



Martek S.r.l.



Le valvole motore per autoveicoli, veicoli industriali, agricoli e motori marini contrassegnate dal marchio **GIEFFE** sono prodotte e commercializzate da oltre mezzo secolo.

La nostra società offre sia valvole equivalenti all'originale, nei materiali e nelle caratteristiche costruttive, sia valvole ottimizzate per il mercato del ricambio.

La gamma produttiva è articolata su oltre 3000 modelli relativi a motori autoveicolistici, agricoli, industriali e marini, ancora in produzione o motori la cui produzione è cessata da anni.

Grazie anche alla rete commerciale, la nostra società assicura una capillare e veloce consegna del prodotto, in modo da rispondere alle esigenze, anche le più complesse, del mondo della riparazione dei motori.



INTRODUZIONE

INTRODUCTION



Les soupapes de moteur pour véhicules automobiles, véhicules industriels, véhicules agricoles et moteurs marins portant la marque **GIEFFE** sont produites et commercialisées depuis plus d'un demi-siècle.

Notre société propose à la fois des vannes équivalentes à celles d'origine, des matériaux et des caractéristiques de construction, ainsi que des vannes optimisées pour le marché du remplacement.

La gamme de production est basée sur plus de 3000 modèles liés à des moteurs automobiles, agricoles, industriels et marins, toujours en production ou des moteurs dont la production a cessé depuis des années.

Merci également au réseau commercial, notre société assure une livraison rapide et rapide du produit, afin de répondre aux besoins, même les plus complexes, du monde de la réparation de moteurs.



The engine valves for motor vehicles, industrial vehicles, agricultural vehicles and marine engines bearing the **GIEFFE** brand have been produced and marketed for over half a century.

Our company offers both valves equivalent to the original, in materials and construction features, and valves optimized for the replacement market.

The production range is based on more than 3000 models related to automotive, agricultural, industrial and marine engines, still in production or engines whose production has ceased for years.

Thanks also to the commercial network, our company ensures a rapid and fast delivery of the product, in order to respond to the needs, even the most complex, of the world of engine repair.



INTRODUCTION

INTRODUCCIÓN



Las válvulas de motor para vehículos de motor, vehículos industriales, vehículos agrícolas y motores marinos que llevan la marca **GIEFFE** se han producido y comercializado durante más de medio siglo.

Nuestra compañía ofrece válvulas equivalentes al original, en materiales y características de construcción, y válvulas optimizadas para el mercado de reemplazo.

La gama de producción se basa en más de 3000 modelos relacionados con motores automotrices, agrícolas, industriales y marinos, aún en producción o motores cuya producción ha cesado por años.

Gracias también a la red comercial, nuestra empresa garantiza una entrega rápida y rápida del producto, para responder a las necesidades, incluso las más complejas, del mundo de la reparación de motores.



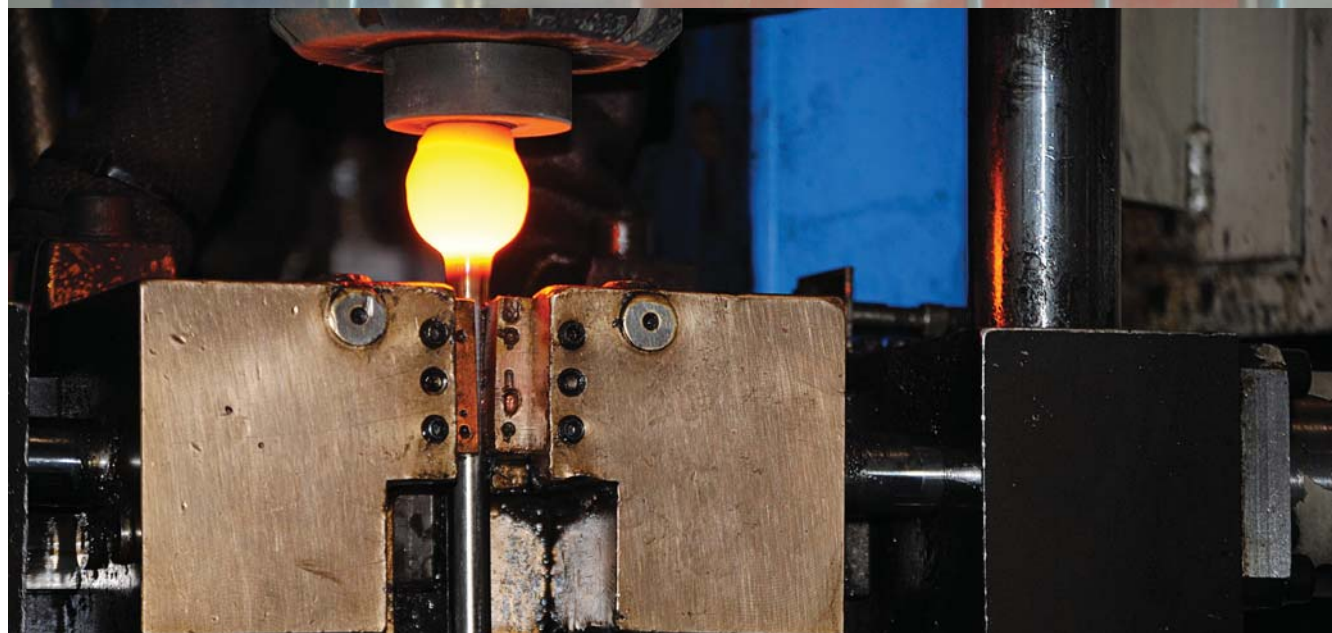
GAMMA

Oltre 3000 articoli relativi a motori per autovetture , industriali, agricoli e marini.

Over 3000 items related to engines for cars, industrial, agricultural and marine.

Plus de 3000 articles liés aux moteurs pour voitures, industriels, agricoles et marins.

Más de 3000 artículos relacionados con motores para automóviles, industriales, agrícolas y marinos.





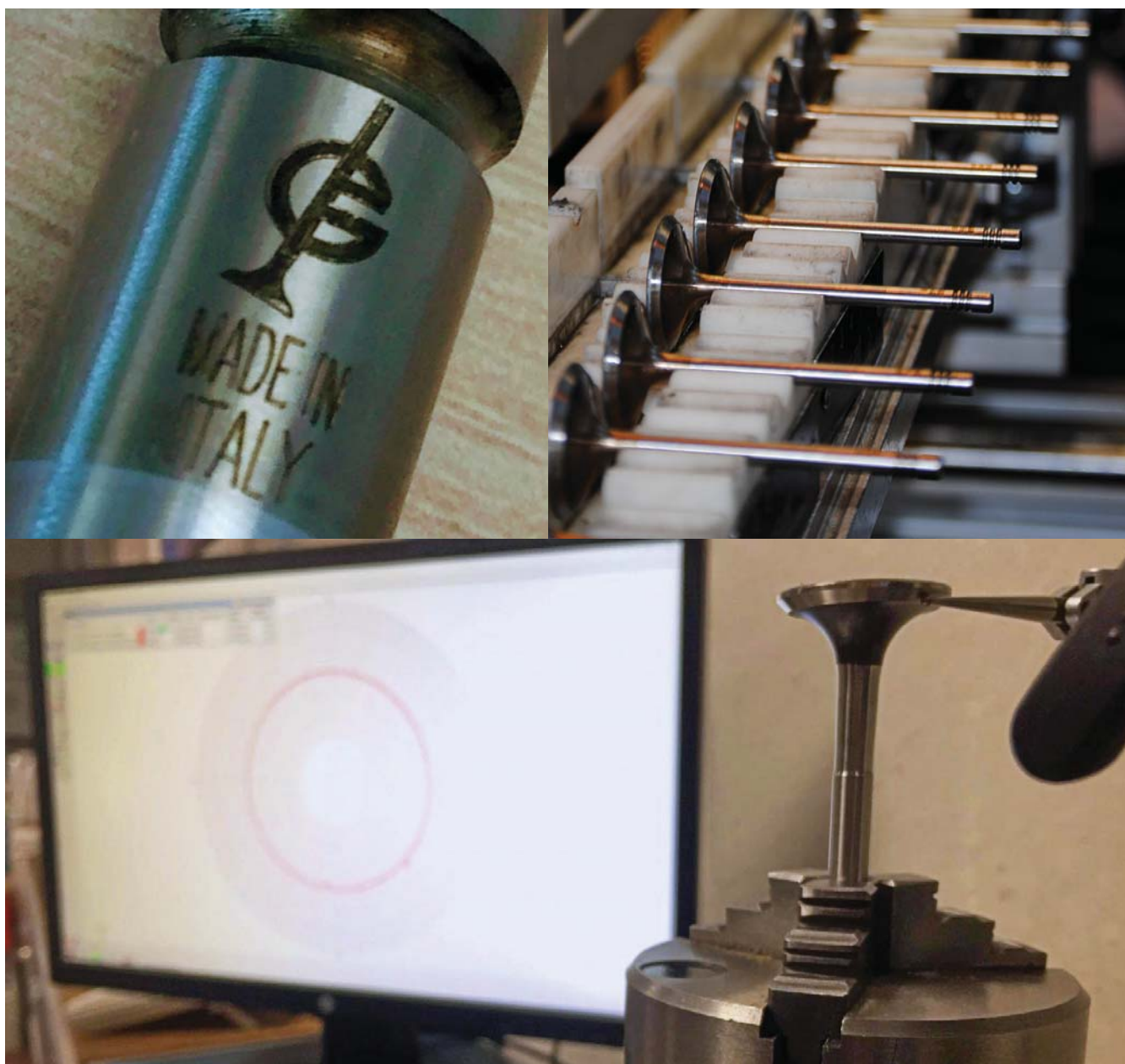
ESPERIENZA E QUALITÀ

Con quasi mezzo secolo di esperienza, rispondiamo a pieno alle esigenze qualitative del mercato.

With almost half a century of experience, we fully meet the quality requirements of the market.

Avec près d'un demi-siècle d'expérience, nous répondons pleinement aux exigences de qualité du marché.

Con casi medio siglo de experiencia, cumplimos totalmente con los requisitos de calidad del mercado.





TERMINI E CONDIZIONI DI VENDITA

DEFINIZIONI

Le seguenti espressioni avranno il seguente significato:

- Cliente: persona, azienda, o agente che acquista il prodotto marcato **GIEFFE**;
- Contratto: il contratto di vendita fra **Martek S.r.l.** ed il cliente;
- Prodotto: componenti automobilistici, accessori ed altre merci oggetto della transazione commerciale.

ACCETTAZIONE DELL'ORDINE

Tutti gli ordini sono accettati e le merci sono fornite nei termini indicati dalla presenti condizioni di vendita.

Per quanto non previsto, si fa riferimento alle consuetudini del settore, alla normativa europea ed alla legge italiana.

Nessuna modifica alle presenti condizioni è accettata, a meno di esplicita accettazione scritta e firmata da un rappresentante autorizzato della **Martek S.r.l.**

Il cliente è ritenuto ad accettare senza riserve i termini e le condizioni della **Martek S.r.l.**

VARIANTI ALL'ORDINE

Qualunque variazione di tipo, di quota, di materiale o di altre caratteristiche, resa necessaria da obiettive ragioni, dovrà essere segnalata alla **Martek S.r.l.** e successivamente concordata con l'Ufficio Tecnico. Le varianti adottate saranno confermate con trasmissione di regolari varianti all'ordine, disegni aggiornati o di documenti equivalenti da parte dell'Ufficio Vendite della **Martek S.r.l.**

ANTICIPO DI CONSEGNA

Le parti convengono che anche nell'ipotesi in cui la **Martek S.r.l.** anticipi le consegne rispetto ai termini prescritti, i pagamenti dovranno essere effettuati nei termini previsti dal contratto, intendendosi per tali i termini previsti nell'ordine o nel "programma di spedizione".

PREZZI

Tutti i prezzi sono FRANCO FABBRICA in €uro, salvo accordi differenti.

La **Martek S.r.l.** si riserva il diritto di variare in qualunque momento il listino prezzi senza preavviso, fatta eccezione per le conferme d'ordine in essere

DIFFERENZE DI FATTURAZIONE

Eventuali differenze fra le merci ordinate e quelle fornite e fatturate devono essere segnalate



alla *Martek S.r.l.* entro 10 giorni dal ricevimento presso il cliente.

DATE DI CONSEGNA

Le date della spedizione e/o di consegna sono indicate in buona fede, ma nessuna responsabilità viene assunta nel caso di ritardi.

PAGAMENTI

Il metodo di pagamento sarà definito al momento della conferma dell'ordine.

- La *Martek S.r.l.* non accetterà la restituzione di merci per qualsiasi motivo, se non previa accettazione scritta.
- I prodotti marcati *GIEFFE* e forniti correttamente potranno essere restituiti alla *Martek S.r.l.*, dopo autorizzazione scritta della stessa, con trasporto pagato, ma saranno soggetti ad una penale, per costi amministrativi e logistici pari al 50% del valore fatturato.
- La *Martek S.r.l.* si riserva il diritto di applicare un interesse pari al tasso di riferimento interbancario europeo, più uno spread del 5%, per i ritardati pagamenti.

TITOLO E PROPRIETÀ

La *Martek S.r.l.* rimane proprietaria delle merci fino al completo pagamento.

Fino al completo pagamento, il cliente è tenuto a conservare le merci nei loro imballi originari. In caso di mancato pagamento, la *Martek S.r.l.* potrà avviare, direttamente o tramite gli agenti locali, ogni azione per rientrare in possesso dei beni.

Fino al permanere dello stato di insolvenza, la *Martek S.r.l.* è autorizzata ad annullare ogni altro ordine del cliente insolvente.

DESCRIZIONI E SPECIFICHE

La *Martek S.r.l.* compie ogni sforzo per accertare l'esattezza delle descrizioni, delle illustrazioni e delle informazioni contenute in questo catalogo ed in ogni altro materiale tecnico e pubblicitario aziendale. Eventuali errori non giustificano però modifiche alle condizioni qui presentate.

La *Martek S.r.l.* si riserva il diritto di modificare le specifiche ed i prezzi pubblicati senza preavviso. I riferimenti originali e descrizioni, quando necessariamente conformi all'originale, sono menzionati a semplice titolo indicativo poiché i suddetti materiali non sono originali ma con questi intercambiabili.

La *Martek S.r.l.* libera il cliente da qualsiasi responsabilità derivante da infrazioni di qualsiasi brevetto, modello depositato o altri diritti depositati.

COSTRUZIONE SU DISEGNI O CAMPIONI

La *Martek S.r.l.* è disponibile a produrre valvole ed altri pezzi di ricambio dietro specifiche esigenze del cliente che dovrà fornire disegni che saranno valutati ed approvati dall'Ufficio tecnico.

Nel caso che il Cliente fornisca campioni, la *Martek S.r.l.* elaborerà specifici disegni con le



indicazioni delle tolleranze che saranno rispettate in fase di produzione. I disegni debbono essere approvati dal cliente prima della produzione.

I disegni rimangono sempre di esclusiva proprietà della *Martek S.r.l.*, così come le attrezzature, stampi ed altra documentazione tecnica specificatamente sviluppata per rispondere alle esigenze del cliente.

È fatto assoluto divieto al cliente di copiare, fotografare o comunque di riprodurre sotto qualsiasi forma sia totalmente sia parzialmente i disegni elaborati dalla *Martek S.r.l.* e trasmessi al cliente per conoscenza/approvazione.

Ogni violazione della clausola di cui sopra sarà passibile di ogni azione di Legge.

PERDITA E DANNI CONSEGUENTI

Salvo quando espressamente concordato, la *Martek S.r.l.* non è responsabile per perdite o danneggiamenti diretti o conseguenti in qualsiasi modo occorsi e derivati dall'utilizzo del prodotto.

L'accettazione delle merci dal cliente sarà considerata come riconoscimento della corretta vendita ed accettazione delle condizioni concordate con il Cliente.

LEGGE

Salvo accordo contrario per iscritto il contratto è governato dalle leggi italiane.

Il Foro competente per eventuali contestazioni è quello di Torino.

ASSISTENZA TECNICA

Tutte le raccomandazioni, suggerimenti ed informazioni tecniche sono fornite dalla *Martek S.r.l.* in buona fede, in quanto ricavate dalla letteratura tecnica o dalle informazioni disponibili nel settore.

La *Martek S.r.l.* non sarà responsabile per perdite o danni che deriveranno dall'utilizzo non controllato di queste informazioni, fornite per completare quanto noto al cliente circa l'idoneità all'uso e le condizioni di utilizzo dei prodotti a marchio *GIEFFE*.

DIRITTI LEGALI

Nessuna delle presenti condizioni di vendita intende danneggiare i diritti dei consumatori, definiti dalla normativa Europea.



CONDIZIONI DI GARANZIA

I prodotti a marchio **GIEFFE** sono controllati, ispezionati ed approvati in ciascuna fase del processo produttivo. Possono essere quindi utilizzati in piena sicurezza.

I prodotti a marchio **GIEFFE** sono garantiti privi di difetti di lavorazione e di materiali per i seguenti periodi di tempo:

- 1 anno per prodotti nuovi; la garanzia copre la sostituzione dei particolari reclamati solo se sono stati correttamente conservati in ambienti protetti da urti ed umidità.
- 3 mesi dalla data di installazione sul motore, senza limitazioni di chilometraggio o di ore di lavoro, ma solo se il prodotto è stato correttamente installato e le analisi tecniche hanno mostrato che i problemi sono riconducibili alla responsabilità del prodotto marchiato **GIEFFE**. Dopo attenta analisi sulle cause di rottura ed approvazione scritta della responsabilità del prodotto marchiato **GIEFFE**, la **Martek S.r.l.** rimborserà le spese relative ai pezzi danneggiati ed alle ore di lavoro necessarie per riparare il danno direttamente riconducibile al prodotto difettoso. I costi sono limitati ai particolari ed al lavoro necessario a ripristinare il motore nelle condizioni operative immediatamente precedenti al guasto. Il costo del lavoro è determinato in base ai valori correnti in vigore nella zona nel quale è avvenuto il guasto. Non sono riconosciute indennità per il lavoro notturno o festivo. Il rimborso include i prodotti di consumo quali olio, antighiaccio, cinghie, filtri ecc. direttamente danneggiati dal guasto. Sono esplicitamente esclusi i danni risultati al motore da un utilizzo inappropriato o dovuto a scarsa attenzione da parte degli operatori, da errate procedure di riparazione, alterazione o cattiva applicazione di parti collegate ai prodotti a marchio **GIEFFE**, o utilizzo in motori modificati per essere utilizzati in competizioni sportive. La garanzia non include: il costo di rimozione e spostamento del veicolo. La garanzia non copre i veicoli di polizia o governativi; i prodotti non utilizzati correttamente, riutilizzati dopo incidente o installazione e manutenzione impropria, i prodotti che sono stati trasferiti dal veicolo nel quale sono stati inizialmente installati. Nessuna altra garanzia viene data, sia implicita che esplicita, inclusa la commerciabilità o l'adattabilità a specifici utilizzi.

LIMITAZIONI

I prodotti danneggiati nel trasporto, a causa di cattivi imballaggi o per parti mancanti non sono soggette alle regole sopra indicate.

Nessun rimborso sarà effettuato per scatole che risulteranno aperte, per imballi danneggiati o sporchi a causa del cliente o per prodotti marcati **GIEFFE** non di provenienza **Martek S.r.l.**



PROCEDURA PER LA RICHIESTA DI GARANZIA – RESTITUZIONE DEI PARTICOLARI DANNEGGIATI

La procedura *Martek S.r.l.* è la seguente, senza eccezioni:

- Il rimborso deve essere sempre autorizzato dalla *Martek S.r.l.*;
- I particolari danneggiati e comunque tutte le valvole di aspirazione e scarico che erano montate sul motore unitamente alle foto di ogni singolo pistone, debbono essere accompagnati dalle seguenti informazioni:
 - ▷ Tipo di veicolo, modello, anno;
 - ▷ Vita del veicolo (km, ore di lavoro);
 - ▷ nome dell'installatore;
 - ▷ descrizione del difetto;
 - ▷ documentazione fotografica del motore e dei pezzi danneggiati;
 - ▷ durata presunta di servizio prima del problema;
 - ▷ informazioni sulla presunta data di produzione del particolare.

Nessun rimborso sarà concesso in mancanza di tale documentazione/informazioni.

Informazioni non corrette, particolari marcati **GIEFFE** non di origine *Martek S.r.l.*, particolari usati dichiarati nuovi ecc., forniti per ottenere rimborsi non dovuti saranno considerati frode e perseguiti a termini di legge in modo conseguente.



ISTRUZIONI DI IMMAGAZZINAMENTO

I prodotti a marchio **GIEFFE** sono di facile conservazione.

Nessun problema può accadere nelle normali condizioni di magazzino:

- temperatura: $-10 \div + 40$ °C
- umidità: < 60 %

Proteggere dalla pioggia dagli urti e dalla polvere.

L'imballo fornisce una buona indicazione del corretto immagazzinamento. Se l'imballo è asciutto e non deteriorato in alcun modo, si può essere certi che i prodotti sono nelle condizioni ottimali.

Il cliente deve ruotare il magazzino nella condizione FIRST IN - FIRST OUT (le merce entrate per prima escono per prime).

NOTIZIE TECNICHE

MATERIALI

Ns. Sigla	Sigla normata	Descrizione
S	X45CrSi9-3 - 1.4718	Acciaio martensitico al cromo-silicio per valvole di scarico per motori di normale impiego e per valvole aspirazione per motori particolarmente sollecitati.
K	X53CrMnNiN21-9 - 1.4871	Acciaio al cromo nichel-manganese per valvole di scarico su motori particolarmente sollecitati sia a benzina che diesel.
W	X33CrNiMn23-8	Acciaio al cromo nichel-manganese ad alto contenuto di Nichel per valvole di scarico su motori turbo particolarmente sollecitati sia a benzina che diesel



TERMS AND SALE CONDITIONS

INTERPRETATION

The following expressions will have the following meanings:

- Customer: person, firm or agent that purchase the **GIEFFE** product;
- Contract: the sale contract between **Martek S.r.l.** and the customer;
- Product: cars components, accessories and other goods of the commercial transaction.

ACCEPTANCE OF ORDER

Accepted orders and goods are subject to the terms and conditions below. For any additional things, make reference to the customs of the sector, to the European normative and to the Italian law.

No change to the present conditions is approved, less an explicit written acceptance and signed by an authorized **Martek S.r.l.** representative.

The client is held to accept without reservations the terms and the conditions of **Martek S.r.l.**

VARIATIONS TO THE ORDER

Any variation of type, quote, material or other characteristics, made necessary by objective reasons, must be communicated to **Martek S.r.l.** and subsequently approved by the Technical Office. The accepted alternatives will be confirmed with transmission of regular variations to the order, updated drawings or equivalent documents from the **Martek S.r.l.** Purchase Office.

ADVANCE DELIVERY

In case of deliveries anticipation by **Martek S.r.l.**, the parts accept to make the payments as provided in the contract terms, considering this ones specified in the order or in the "shipment program."

PRICES

All prices are quoted EX WORKS in Euros, unless otherwise agreed in writing. **Martek S.r.l.** reserves the right to change at any moment its current price list without prior notice, goods will be invoiced to the Customer at the current shipment date prices, unless otherwise agreed by the Company in writing.

INVOICE DISCREPANCIES

Any discrepancies between the goods ordered and those supplied and invoiced must be advised to **Martek S.r.l.** within 10 days of the receipt by the Customer.



DELIVERY DATES

Delivery and/or dispatch dates are quoted in good faith, but no liability is accepted for any delay.

TERMS OF PAYMENT

- The method of payment will be determined at the order confirmation.
- *Martek S.r.l.* will not accept the return of goods for whatever reason, if not prior written acceptance.
- Goods correctly supplied may be returned to Martek, carriage paid, by prior *Martek S.r.l.* acceptance, and they will be subject to a 50% handling charge.
- *Martek S.r.l.* reserves to apply an interest equal to the rate of interbank European reference, more a 5% spread, for delayed payments.

HOLDER AND PROPERTY

The *Martek S.r.l.* remains owner of the goods until complete payment.

Until complete payment, the Customer has to maintain the goods in its original packing.

In case of non-payment, *Martek S.r.l.* can institute any proceedings to take possession of goods, directly or through the local agents.

Up to remain the state of insolvency, *Martek S.r.l.* is authorized to cancel every other order of the insolvent client.

DESCRIPTIONS AND SPECIFICATIONS

The Market S.r.l. performs every effort to verify the accuracy of descriptions, illustrations and information contained in this catalogue and in every other business technical and advertising material.

Any mistake does not justify changes to the conditions here introduced.

The Market S.r.l. reserves the right to modify specifications and prices published without prior notice.

Original references and descriptions, when necessarily conformed to the original, are for reference only as above materials are not originals but with them interchangeable.

The Market S.r.l. exonerate the client from any responsibilities resulting from infraction of any patent, deposited model or other deposited rights.

CONSTRUCTION WITH DRAWINGS OR SAMPLES

The Market S.r.l. can produce valves and other spare parts on specific customer needs.

The customer have to provide drawings which will be valued and approved from the Technical Office.

If customer provides samples, The Market S.r.l. will elaborate specific drawings with the tolerance indications which will be respected during production stage. Drawings have to be approved by the Customer before the production.

Drawings always remain of the Market S.r.l. property, as well as tools, dies and other technical



documentation specifically developed to satisfy customer needs.

It is forbidden to copy, photograph or reproduce under any form both totally and partially the drawings elaborated by the Market S.r.l. and transmitted to the customer for knowledge/approval.

Every violation of the clause will be liable to every action of Law.

LOSS AND CONSEQUENTIAL DAMAGES

Except as expressly provided in this agreement, *GIEFFE* is not responsible for losses or direct or consequent damages in any way happened and derived from the use of the product.

The acceptance of the goods by the customer will be considered as recognition of the correct sale and acceptance of the conditions arranged with the Customer.

LAW

Except contrary agreement in writing the contract is governed by Italian laws.

The competent Court for possible disputes is that of Turin.

TECHNICAL ASSISTANCE

All the recommendations, suggestions and technical information are provided by *Martek S.r.l.* in good faith, because they are obtained from technical literature or from available information in the sector.

Martek S.r.l. is not responsible for any losses or damages that may result from an inappropriate use of these information, provided to complete which is known to the client about suitability of the use and terms of use of products mark *GIEFFE*.

LEGAL RIGHTS

None of these terms of sale intends to damage the consumers rights, defined by the European normative.



WARRANTY CONDITIONS

All products of Gieffe brand are checked, inspected and approved in every step of production process, and they can be used with safety.

All products of Gieffe brand are warranty to not have working and material defects for the following time periods:

- 1 year for new products; warranty covers the substitution of claimed parts just in case of correct stored;
- 3 months from the date of installation on the engine, without mileage or working hours limitations, just in case of correct installation and if technical analysis show that failure can be caused by *Martek S.r.l.* responsibility. After approval, *Martek S.r.l.* will pay the freights for damaged pieces and working hours required to repair the damage directly referable to the defecive product. Therefore the warranty covers costs of work and necessary components to repair the damage, included the indirect damages on the engine. The costs are limited to parts and necessary work to restore the engine to its prior condition before the failure. Work costs are determined by current rates applicable in the geographic area of the failure. Overtime or holiday rate charges are not allowed. *Martek S.r.l.* will pay for consumer goods such as oil, anti-icing, belts, filters etc... directly damaged from the failure. Liability for engine failure resulting from owner or operator negligence or abuse, from wrong procedures of reparation, alteration or improper application of parts connected to the All products of Gieffe brand, or use in modified engines for competition purposes is specifically disclaimed. The warranty does not include: the cost of removal and move of the vehicle. The warranty does not cover the police or government vehicles, the products not correctly used and re-used after accident or installation and improper maintenance, the products that have been transferred by the vehicle in which they have initially been installed. No other warranty, either expressed or implied, including merchantability or suitability for any particular purposes, is given.

LIMITATIONS

The damaged products during transport, because of bad packings or lacking parts, are not subject to the rules above mentioned.

No refund will be made for boxes which will result opened, damaged packings or dirty because of the client or for no *GIEFFE* origin products.



PROCEDURE FOR APPLICATION OF WARRANTY. RETURN OF THE DAMAGED PARTS

The *Martek S.r.l.* procedure is the following without exceptions:

- The refund must be authorized always from *Martek S.r.l.*;
- The damaged parts must be followed from the following information:
 - ▷ vehicle type, model, year
 - ▷ vehicle life (Km, work-hours)
 - ▷ the technician's name;
 - ▷ defect description;
 - ▷ photographic documentation of the engine and damaged pieces;
 - ▷ presumed duration of service before the problem;
 - ▷ information for the presumed date of production of the particular one.

No refund will be made without supporting documentation as noted.

Incorrect information, parts not of product brand *GIEFFE* origin, parts used declared new etc, furnished for getting not due refunds, will be considered fraud and pursue in the way of terms of law.



STORAGE INSTRUCTIONS

The products brand **GIEFFE** can be easily stored.

No problems can occur when stored at standard warehouse conditions:

- temperature $-10 \div + 40$ °C
- humidity < 60 %

Protect from rain and dust.

The packing give a good indication of a correct storage. The products are in its optimal conditions, if the packing is dry and not deteriorated in anyway.

The client have to rotate the store in the condition FIRST IN - FIRST OUT (the goods entered for first they go out also for first).

TECHNICAL INFORMATION

MATERIALS

Our Symbol	Simbol of the norme	Description
S	X45CrSi9-3 - 1.4718	Martensitic steel to chrome-silicon for exhaust valves for engines of normal use and for inlet valves for engines particularly stressed.
K	X53CrMnNiN21-9 - 1.4871	Steel at chrome nickel-manganese for exhaust valves on engines particularly stressed both to gasoline and diesel.
W	X33CrNiMn23-8	Steel at chrome nickel-manganese, high nichel content, for exhaust valves on highly-stressed turbocharged petrol and diesel engines.



TERMES ET CONDITIONS DE VENTE

DEFINITIONS

Les expressions suivantes auront le sens suivantes:

- Client: personne, entreprise ou agent qui achète le produit *GIEFFE*;
- Contrat: le contrat de vente parmi *Martek S.r.l.* et le client;
- Produit: les parties de voitures, accessoires et autres biens objet de l'opération commerciale.

ACCEPTATION DE LA COMMANDE

Toutes les commandes sont approuvées et la marchandise est fournie entre les termes signalés dans les présentes conditions de vente.

Pour ce qui n'est pas prévu, on fait référence aux coutumes du secteur, à la loi Européenne et à la loi italienne.

On n'accepte pas aucune modification aux conditions mentionnées, sauf explicite acceptation écrite et signée par un représentant autorisé par *Martek S.r.l.*

Le client doit accepter sans réserve les termes et les conditions de *Martek S.r.l.*

MODIFICATIONS À LA COMMANDE

N'importe quel variation de type, de quote, de matériel ou d'autres caractéristiques, qui se rend nécessaire pour objectives raisons, devra être signalée à *Martek S.r.l.* et après accordée avec le Bureau Technicien. Les modifications adoptées seront confirmées avec transmission de réguliers modifications aux commandes, projets ajournés ou de documents equivalents de la part du Bureau d'Achat de Martek.

Quand cette procédure n'a pas été effectuée on devra se retenir exclue n'importe quel possibilité de modification des commandes de la part du Fournisseur.

AVANCE DE LIVRAISON

Les parties conviennent que même dans l'hypothèse dans laquelle *Martek S.r.l.* avances les livraisons par rapport aux termes prescrits, les paiements devront être effectuées dans les termes prévus du contrat, en s'entendant pour tels les termes prévus dans les commandes ou dans le « programme d'expédition ».

PRIX

Tous les prix sont FRANC ETABLISSEMENT en Euro, sauf accords différents.

La *Martek S.r.l.* on réserve le droit de varier à tout moment la liste des prix sans préavis, la marchandise sera facturée au client aux prix en vigueur à la date de livraison, sauf accord écrit



contraire.

DIFFÉRENCES DE FACTURATION

Eventuelles différences parmi la marchandise commandée et cela fournie et facturée doivent être signalées à *Martek S.r.l.* avant 10 jours de la réception près du client.

DATE DE LIVRAISON

Les dates de livraison sont indiquées de bonne foi, mais aucune responsabilité est assumée en cas de retards.

PAIEMENTS

- La méthode du paiement sera définie à l'instant de la confirmation de la commande.
- Martek n'acceptera pas la restitution de la marchandise pour n'importe quelle raison passés 30 jours de la date de livraison au client ;
- Les produits fournis correctement peuvent être rendus à Martek, avec transport payé, seulement après acceptation de la part de *Martek S.r.l.*, et ils seront soumis à une pénalité, pour les frais administratifs, égale à 50%.
- *Martek S.r.l.* se réserve le droit d'appliquer un intérêt égal au taux de référence interbancaire européen, plus une "spread" du 5%, pour les paiements en retard.

TITRE ET PROPRIÉTÉ

Le *Martek S.r.l.* reste propriétaire de la marchandise jusqu'au paiement complet.

Jusqu'au complet paiement, le client doit conserver la marchandise dans son emballage original.

En cas de paiement manqué, *Martek S.r.l.* pourra entreprendre, directement ou à travers les agents locaux, chaque actions pour réentrer en possession de la marchandise.

Jusqu'à l'état d'insolvabilité, *Martek S.r.l.* est autorisée à annuler chaque autre commande du client.

DESCRIPTIONS ET SPÉCIFIQUES

Martek S.r.l. fait chaque effort pour vérifier la précision des descriptions, des illustrations et des informations contenues dans ce catalogue et dans chaque autre matériel technique et publicitaire.

Les erreurs possibles ne justifient pas de quelque manière les modifications aux conditions ici introduites.

Martek S.r.l. se réserve le droit de modifier les spécifics et les prix publiés sans préavis.

Les références et descriptions, quand nécessairement conforme à l'original, sont donnés à titre indicatif, car ces matériaux ne sont pas d'origine, mais ils sont interchangeables.

Martek S.r.l. délivre le client de toutes responsabilités pour infractions de tout brevet, modèle déposé ou d'autres droits déposés.



COSTRUCTION AVEC ÉCHANTILLONS OU DESSINS

Martek S.r.l. peut produire soupapes et autres pièces de rechange derrière demandes spécifiques du client.

Le client doit fournir dessins qui seront valués et approuvés par le Bureau Technique.

Si le client fournit des échantillons, *Martek S.r.l.* élaborera des dessins spécifiques avec les indications des tolérances qui seront respectées en stade de production.

Les dessins restent toujours de propriété exclusive de *Martek S.r.l.*, aussi que les équipements, mouleaux et autre documentation technique développée spécifiquement pour répondre aux demandes du client.

Le client ne doit pas copier, photographier ou cependant reproduire totalement ou partiellement sous tout forme les dessins élaborés par *Martek S.r.l.* et transmet au client pour connaissance/approbation.

Chaque violation de la clause ci-dessus sera passible de chaque action de Loi.

PERTE ET DOMMAGES CONSÉQUENTS

Except quand formellement accordé, *Martek S.r.l.* n'est pas en aucune façon responsable pour pertes ou dommages directs ou conséquents dérivés par l'usage du produit.

L'acceptation de la marchandise de la part du client sera considérée comme reconnaissance de la vente correcte et acceptation des conditions arrangée avec le Client.

LOI

Sauf accord contraire écrit le contrat est gouverné par les lois italiennes.

Le tribunal compétent pour les possibles confrontations est celui de Turin

SUPPORT TECHNIQUE

Toutes les recommandations, suggestions et informations techniques sont fournies par *Martek S.r.l.* de bonne foi, ils sont trouvées dans la littérature technique ou dans les information disponibles dans le secteur.

Martek S.r.l. ne sera pas responsable pour pertes ou dommages dèrivants par l'usage incorrect de cettès informations, fournites pour compléter ce qui est connu de la part du client sur l'aptitude à l'usage et les conditions d'usage des produits **GIEFFE** produit de marche.

DROITS LÉGAUX

Aucun des présentes conditions de vente a l'intention d'endommager les droits des consommateurs, définis par la loi Européenne.



CONDITIONS DE GARANTIE

Les produit de marche **GIEFFE** sont contrôlés, inspectionnés et approuvés dans chaque stade du processus de production. Par conséquent ils peuvent être utilisés avec pleine sécurité.

Les produit de marche **GIEFFE** sont garantis sans défauts de production et de matériels pour les suivantes périodes de temps:

- 1 année pour les produits nouveaux; la garantie couvre la substitution des détails réclamés seulement si ils ont été conservés correctement;
- 3 mois de la date d'installation du moteur, sans limitations de kilometres ou de heures de travail, seulement si le produit a été correctement installé et les analysis techniques montrent que les problèmes dérivent de la part de les produit de marche **GIEFFE**. Après l'approbation, *Martek S.r.l.* remboursera les frais pour les pièces endommagés et les heures de travail nécessaires pour réparer l'avarie attribué aux produits défectueux. Par conséquent, la garantie couvre les coûts du travail et les composantes nécessaires pour réparer l'avarie, inclus les dommages indirects sur le moteur. Les coûts sont limités aux pièces et au travail nécessaire pour restaurer le moteur dans les conditions opérationnelles qui il y avait immédiatement avant l'avarie. Le coût du travail est déterminé sur les valeurs actuelles en vigueur dans la zone dans laquelle la panne est arrivée. L'indemnité pour le travail de nuit ou de fête n'est pas reconnue. Le remboursement inclut les biens de consommation comme l'huile, anti-givrage, courroies, filtres etc.. directement endommagés par la panne. Ne sont pas inclut tous les dommages au moteur pour un usage inapproprié ou négligence de la part des opérateurs, de mal procédures de réparation, altération ou mauvaise application de parties liées aux produit de marche **GIEFFE**, ou utilisés dans le moteur modifié pour être utilisé dans les concurrences de sport. La garantie n'inclut pas: le coût de dégagement et déplacement du véhicule. La garantie ne couvre pas les véhicules de police ou gouvernementaux; les produits ne pas utilisés correctement, re-utilisés après un accident ou une inexacte installation et entretien, les produits qui ont été transférés par le véhicule dans lequel ils étaient installés initialement. Aucun autre garantie est donnée, soit implicite soit explicite, inclus la commerciabilité ou l'adaptabilité aux usages spécifiques.

LIMITATIONS

Les produits endommagés dans le transport, à cause de mauvais emballages ou manque de parties, ne sont pas soumis aux règles citées au-dessus .

Aucun remboursement sera effectué pour les cartons ouverts, pour emballages endommagés ou salés à cause du client ou des produits qui ne sont pas d'origine **GIEFFE**.



PROCÉDURE POUR L'APPLICATION DE GARANTIE. RESTITUTION DES PIÈCES ENDOMMAGÉS

La procédure *Martek S.r.l.* est la suivante, sans exceptions:

- Le remboursement doit être toujours autorisé par *Martek S.r.l.*;
- Les pièces endommagées doivent avoir les informations suivantes:
 - ▷ Type de véhicule, modèle, année;
 - ▷ Vie du véhicule (Km, heures de travail);
 - ▷ nom du technicien;
 - ▷ description du défaut;
 - ▷ documentation photographique du moteur et des pièces endommagées;
 - ▷ durée présumée de service avant le problème;
 - ▷ information sur la date présumée de production du particulier.

Aucun remboursement sera donné en absence de telle documentation/information.

Informations pas correctes, pièces pas d'origine *GIEFFE*, pièces usagées et déclarées nouveaux, etc.. fournis pour obtenir remboursements indus seront considérés fraude et seront poursuivis aux termes de loi.



INSTRUCTIONS D'EMMAGASINAGE

Les produit de marche **GIEFFE** sont faciles à emmagasiner.

Aucun problème peut occurrir dans les normales conditions de magasin

- température $-10 \div + 40$ °C
- humidité < 60 %

Protéger de la pluie et de la poussière.

L'emballage fournit une bonne indication pour un correct emmagasinage. Si l'emballage est sec et pas détérioré dans quelque mode, on peut être sûr que les produits sont dans les conditions optimales.

Le client doit tourner le magasin dans la condition "FIRST IN - FIRST OUT" (la marchandise entrée avant doit sortir avant).

NOUVELLES TECHNIQUES

MATÉRIEL

Notre Symbole	Symbole normée	Description
S	X45CrSi9-3 - 1.4718	Acier martensitique au chrome-silicium pour soupapes d'échappement pour moteurs de normal usage et pour soupapes d'admission pour moteurs sollicités particulièrement.
K	X53CrMnNiN21-9 – 1.4871	Acier au chrome nickel-manganèse pour soupapes d'échappement pour moteurs sollicités particulièrement à essence ou diesel.
W	X33CrNiMn23-8	Acier au chrome-nickel-manganèse à teneur élevée en nickel pour les soupapes d'échappement des moteurs essence et diesel particulièrement sollicit.



TÉRMINOS Y CONDICIONES DE VENTA

DEFINICIONES

Las siguientes expresiones tendrán el siguiente significado:

- Cliente: persona, empresa o agente que adquiere el producto marcado **GIEFFE**;
- Contrato: el contrato de venta entre **Martek S.r.l.** y el cliente;
- Producto: miembros automovilísticas, accesorios y otras mercancías objeto de la transacción comercial.

ACEPTACIÓN DEL PEDIDO

Todo los pedidos están aceptados y las mercancías están provistas en los términos indicados por las presentes condiciones de venta.

Por todo lo que no está indicado, se hace referencia a las costumbres del sector, a la normativa europea y a la ley italiana.

Ninguna modificación a las presentes condiciones está aceptada, a menos de explícita aceptación escrita y firmada por un representante de **Martek S.r.l.**

El cliente tiene que aceptar sin reservas los términos y las condiciones de **Martek S.r.l.**

VARIACIONES AL PEDIDO

Cualquiera variación de tipo, de cuota, de material o de otras características, necesaria con objetivas razones, tendrá que ser señalada a **Martek S.r.l.** y sucesivamente concordada con la Oficina Técnica. Las variantes adoptadas serán confirmadas con transmisión de regulares variantes al pedido, diseños actualizados o documentos equivalentes de parte de la oficina Adquiere de **Martek S.r.l.**

Donde tal procedimiento no haya sido heco tendrá que creerse excluido cualquiera posibilidades de modificación del pedido de parte del Proveedor.

ANTICIPO DE ENTREGA

Las partes convienen que también si **Martek S.r.l.** adelanta las entregas con respecto de los términos prescritos, los pagos tendrán que ser efectuados en los términos previstos por el contrato, entendiéndose para tales los términos previstos en el pedido o en el "programa de envío."

PRECIOS

Todos los precios soy FRANCO FÁBRICA en Euro, fuera de acuerdos diferentes.

Martek S.r.l. puede variar en cualquier momento el listín de precios sin preaviso, las mercancías



serán facturadas al cliente a los precios en vigor a la fecha de envío, fuera de acuerdo escrito contrario.

DIFERENCIAS DE FACTURACIÓN

Eventuales diferencias entre las mercancías ordenadas y aquellas enviadas y facturadas tienen que ser señaladas a *Martek S.r.l.* entre de 10 días del recibo al cliente.

FECHAS DE ENTREGA

Las fechas del envío e/o de entrega son indicadas en buena fe, pero ninguna responsabilidad es asumida en el caso de retrasos.

PAGOS

- El método del pago será definido al momento de la confirmación del pedido.
- *Martek S.r.l.* no aceptará la restitución de mercancías por cualquier motivo sin aceptación escrita previa
- Los productos proveídos correctamente podrán ser devuélvis a *Martek S.r.l.*, con transporte pagado, sólo después de aceptación de la parte de *Martek S.r.l.*, y estarán sometidas a una cláusula penal, por costes administrativos, igual al 50%.
- *Martek S.r.l.* se reserva el derecho a aplicar un interés igual a la tasa de referencia interbancaria europea, más un spread del 5%, por los pagos en retraso.

TÍTULO Y PROPIEDAD

Martek S.r.l. queda propietaria de las mercancías hasta el pago completo.

Hasta el pago completo, el cliente tiene que conservar las mercancías en su embalaje originario. En caso de pago no recibido, *Martek S.r.l.* podrá empezar, directamente o por los agentes locales, cada acciones para regresar en posesión de las mercancías.

Hasta el quedar del estado de insolvencia, *Martek S.r.l.* está autorizada a anular cada otro pedido del cliente insolvente.

DESCRIPCIONES Y ESPECIFICACIONES

Martek S.r.l. cumple cada esfuerzo para verificar la exactitud de las descripciones, de las ilustraciones y de las informaciones contenidas en este catálogo y en cada otro material técnico y publicitario empresarial. Eventuales errores no justifican pero modificaciones a las condiciones aquí presentadas.

Martek S.r.l. puede modificar las especificaciones y los precios publicados sin preaviso.

Las referencias y descripciones, cuando se ajustan necesariamente a la originales, se dan como una guía, ya que estos materiales no son originales, sino intercambiables. *Martek S.r.l.* libera al cliente de cualquiera responsabilidad consiguiente de infracciones de cualquier patente, modelo depositado o otros derechos depositados.



CONSTRUCCIÓN SOBRE DISEGNOS O MUESTRAS

Martek S.r.l. está disponible a producir válvulas y otras piezas de repuesto para específicas exigencias del cliente.

El cliente tiene que proveer diseños que serán evaluados y aprobados por la oficina técnica. Si el Cliente aprovisiona muestras, *Martek S.r.l.* elaborará específicos diseños con las indicaciones de las tolerancias que serán respetadas en fase de producción. Los diseños tendrán que ser aprobados por el cliente antes de la producción.

Los diseños siempre quedan de exclusiva propiedad de *Martek S.r.l.*, como así los aparejos, moldes y otra documentación técnica precisamente desarrollada para satisfacer las exigencias del cliente.

Es absoluta prohibición al cliente de copiar, fotografiar o en todo caso de reproducir en cualquiera forma sea totalmente sea parcialmente los diseños elaborados por *Martek S.r.l.* y transmitidos al cliente para conocimiento/aprobación.

Cada violación de la cláusula de que sobre será pasible de cada acción de Ley.

PÉRDIDA Y DAÑOS CONSIGUIENTES

Fuera de cuando expresamente concordato, *Martek S.r.l.* no es responsable para pérdidas o daños directos o consiguientes hechos falta y derivados de cualquier modo por la utilización del producto.

La aceptación de las mercancías del cliente será considerada como reconocimiento de la correcta venta y aceptación de las condiciones concordadas con el Cliente.

LEY

Fuera de acuerdo contrario por escrito el contrato es gobernado por las leyes italianas.

El tribunal competente por eventuales contestaciones es aquel de Torino.

ASISTENCIA TÉCNICA

Martek S.r.l. provee en buena fe todas las recomendaciones, sugerencias y informaciones técnicas, en cuánto sacadas de la literatura técnica o de las informaciones disponibles en el sector.

Martek S.r.l. no será responsable para pérdidas o daños que derivarán de l'utilización no controlada de estas informaciones, datos para completar cuánto conocido al cliente sobre la idoneidad a la utilización y a las condiciones de utilización de los productos *Martek S.r.l.*

DERECHOS LEGALES

Nadie de las presentes condiciones de venta quiere perjudicar los derechos de los consumidores, definidos por la normativa europea.



CONDICIONES DE GARANTÍA

Los productos marcado **GIEFFE** están controlados, inspeccionados y aprobados en cada fase del proceso productivo. Pueden ser por lo tanto utilizados en plena seguridad.

Los productos marcado **GIEFFE** están garantizados sin defectos de elaboración y materiales para los siguientes períodos de tiempo:

- 1 año por productos nuevos; la garantía cubre la sustitución de las piezas exigidas sólo si han sido conservadas correctamente;
- 3 meses de la fecha de instalación sobre el motor, sin limitaciones de millaje o horas de trabajo, sólo si el producto ha sido instalado correctamente y los análisis técnicos han demostrado que los problemas son atribuibles a la responsabilidad del producto marcado **GIEFFE**. Después de la aprobación, **Martek S.r.l.** reembolsará los gastos relativos a las piezas dañadas y a las horas de trabajo necesarias para arreglar el daño directamente atribuible al producto defectuoso. La garantía cubre por lo tanto los costes del trabajo y las piezas necesarias a arreglar el daño, incluidos los daños indirectos sobre el motor. Los costes son limitados a los detalles y al trabajo necesario a restablecer el motor en las condiciones operativas precedentes a la avería. El coste del trabajo es determinado en los valores corrientes en vigor en la zona en la que ha ocurrido la avería. No son reconocidas indemnización por el trabajo nocturno o festivo. El reembolso incluye los productos de consumo cuál aceite, anti-hielo, correas, filtros etcétera directamente perjudicados por la avería. Son excluidos los daños resultados al motor para un empleo inconveniente o debido a negligencia de parte de los operadores, de errados procedimientos de reparación, alteración o mala aplicación de piezas unidas a los productos marcado **GIEFFE** o empleo en motor modificados para ser utilizados en competiciones deportivas. La garantía no incluye el coste de desplazamiento del vehículo. La garantía no cubre los vehículos de policía o gubernativos; los productos no utilizados correctamente, reutilizados después de accidente o instalación y manutención impropia, los productos que han sido trasladados por el vehículo al que han sido instalados inicialmente. Ninguna otra garantía es dada, sea implícita que explícita, incluida la comerciabilidad o la adaptabilidad a específicos empleos.

LIMITACIONES

Los productos dañados en el transporte, a causa de malos embalajes o por piezas faltantes no están sometidas a las reglas sobre indicadas.

Ningún reembolso será efectuado por cajas que resultarán abiertas, por embalajes dañados o sucios a causa del cliente o por productos de origen no marcado **GIEFFE**.



PROCEDIMIENTO POR LA SOLICITUD DE GARANTÍA-RESTITUCIÓN DE LAS PIEZAS DAÑADAS

El procedimiento *Martek S.r.l.* es el siguiente, sin excepciones:

- El reembolso tiene que ser siempre autorizado por Martek S.r.l.;
- Las piezas dañadas tienen que ser acompañadas por las siguientes informaciones:
 - ▷ Tipo de vehículo, modelo, año;
 - ▷ Vida del vehículo (km, horas de trabajo);
 - ▷ nombre del instalador;
 - ▷ descripción del defecto;
 - ▷ documentación fotográfica del motor y las piezas dañadas;
 - ▷ durada presunta de servicio antes del problema;
 - ▷ informaciones sobre la presunta fecha de producción de la pieza.

Ningún reembolso será dado sin tal documentación/informaciones.

Informaciones no correctas, particulares no de origen *GIEFFE*, particulares usados y declarados nuevos etcétera, dotados para conseguir reembolsos no debidos serán considerados fraude y serán perseguibles a términos de ley.



INSTRUCCIONES DE ALMACENAMIENTO

Los productos marcado **GIEFFE** son de fácil conservación.

Ningún problema puede ocurrir en las normales condiciones de almacén:

- temperatura $-10 \div + 40$ °C
- humedad < 60 %

Proteger de la lluvia y del polvo.

El embalaje da una buena indicación del correcto almacenamiento. Si el embalaje está seco y no deteriorado en ningún modo, se puede estar seguros que los productos están en las condiciones optimales.

El cliente tiene que girar el almacén en la condición FIRST IN - FIRST OUT (las mercancías entradas por primera salen por primeras tambien).

NOTICIAS TÉCNICAS

MATERIALES

Nuestro Símbolo	Sigla normada	Descripción
S	X45CrSi9-3 - 1.4718	Acero martensítico al cromo-silicio por válvulas de descargue por motor de normal empleo y por válvulas de aspiración por motor particularmente solicitados.
K	X53CrMnNiN21-9 – 1.4871	Acero al cromo níquel-manganeso por válvulas de descargue sobre motor particularmente solicitados sea a gasolina que diesel.
W	X33CrNiMn23-8	Acero al cromo-manganeso-cromo con un alto contenido de níquel para válvulas de escape para motores turbo a gasolina y diesel.

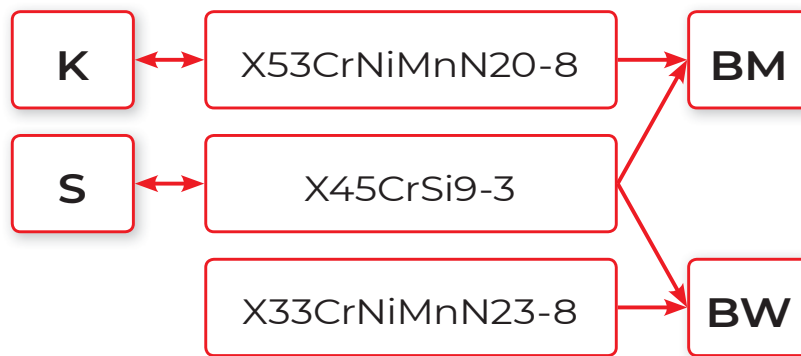


ACCIAI PER VALVOLE
VALVE STEEL
ACIERS POUR SOUPAPES
ACEROS PARA VALVULAS

%	S	K	W
	X45CrSi9-3	X53CrMnNiN21-9	X33CrNiMn23-8
Ni		2	7,5
Si	2,9	0,3	
Cr	9	21	23
Mn	0,5	8	3,3
N		0,3	0,4
C	0,5		0,4
P	0,04	0,05	



ACCIAI PER VALVOLE ED ESECUZIONI VALVE STEEL AND EXECUTIONS ACIERS POUR SOUPAPES ET EXECUTIONS ACEROS PARA VÁLVULAS Y EJECUCIONES



CR	NT	ST
<p>Valvola cromata Chromium-plated valve stem Tige de soupape chromée Valvula de cromo</p>	<p>Valvola nitrurata Nitridated valve Soupape nitrurée Válvula nitrurada</p>	<p>Valvola stellitata Stellited valve Soupape stellitée Válvula estrellada</p>
<p>Il riporto di cromo sullo stelo della valvola riduce l'attrito nascente dallo scorrimento con la guida valvola, aumenta l'indurimento superficiale e quindi la resistenza all'abrasione.</p> <p>Valve stems are chrome plated to reduce the functional forces with valve guide, increase the surface hardness and the wear resistance.</p> <p>Le chromage de la tige de la soupape réduit le frottement avec la guide superficiel et la resistance à l'abrasion.</p> <p>El remanente de cromo en el vástago de la válvula reduce la fricción creciente del deslizamiento con la guía de la válvula, aumenta endurecimiento de la superficie y luego el resistencia a la abrasión</p>	<p>Il procedimento di nitrurazione ha il duplice scopo di migliorare la resistenza all'usura ed alla fatica negli acciai inossidabili. Con la nitrurazione si migliora pure la resistenza alla corrosione e lo strato nitrurato conferisce una protezione alle superfici di scorrimento della valvola che può definirsi anti grippante anche in assenza totale di lubrificazione</p> <p>The benefits obtained from this surface treatment are increate in the fatigue streght and wear resistance of valves steels. This process improves also the corrosion resistance and nitring reduces valve sticking even in the absence of a lubricant.</p> <p>La nitruration est une operation qui a pour but d'améliorer la résistance à l'usure et la limite de fatigue des aciers inoxydables. La résistance à la corrosion résulte aussi nettement améliorée et la couche nitrurée donne une protection superficielle que l'on peut appeler anti-grippage, même en absence totale de lubrifiant.</p> <p>El proceso de nitruración tiene el doble propósito de mejorar el desgaste y la resistencia a la fatiga en los aceros inoxidables. La nitruración también mejora la resistencia a la corrosión y la capa nitrurada brinda protección a las superficies deslizantes de la válvula que se puede definir como antiagarrotamiento incluso en ausencia total de lubricación.</p>	<p>Il riporto di cromo sullo stelo della valvola riduce l'attrito nascente dallo scorrimento con la guida valvola, aumenta l'indurimento superficiale e quindi la resistenza all'abrasione.</p> <p>Stellite is usually made on the seat, one point of the value mostly subjected to wear and corrosion.</p> <p>Cette operation de satellite est pratiqué sourtout sur la siege, un de points de la soupape soumis le plus à l'usure et à la corrosion.</p> <p>Esta operacion de arrastre de stellite se practica principalmente en el asiento, uno des los puntos de la válvula màas a desgaste y corriòn</p>



VALVOLE MAGGIORATE

OVERSIZE VALVES

SOUPAPES MAJOREE

VALVULAS SOBREMEDIDA

Le valvole maggiorate devono essere richieste indicando il numero di riferimento della valvola standard seguito dalla maggiorazione voluta tra quelle di seguito specificate.

The oversize valve can be requested giving the reference number of the std. valve together with the requested o/s as per the following list.

Les soupapes avec la tige majorée doivent être commandées en mentionnant le numéro de référence de la soupapes suivi par la majoration demandée selon la liste suivante.

Las válvulas sobre medida deben ser pedidas indicando el código de la válvula estándar seguido de la sobre medida indicando el código de la válvula estándar seguido de la sobre medida deseada entre aquellas especificadas.

Dim. Dim. Dim. Dim.	Metrico Dim. Metric Dim. Métrique Dim. Métrico Dim.	Aumento sul prezzo std. Increase on std. price Augmentation de prix std Incremento del precio std
.003"	0.075	4%
.006"	0.150	8%
.010"	0.200	10%
.012"	0.300	12%
.015"	0.400	15%
.024"		18%
.030"		20%

Possiamo fornire qualunque tipo di valvola, anche se non indicata in questo catalogo, a campione o a disegno, per quantitativi minimi di 2000 pezzi.

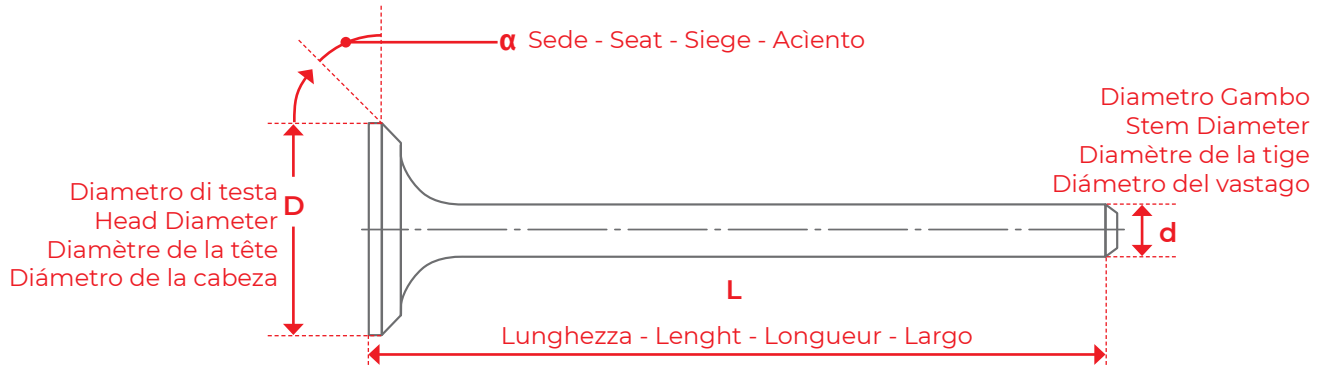
We can supply any type of engine valve, even if not indicated on this catalogue, as per sample or drawing, for a minimum quantity of 2000 pieces.

Nous pouvons fournir quelconque type de soupape, même si pas indiquée dans ce catalogue, conforme à échantillon ou dessin pour une quantité de 2000 pièces au moins.

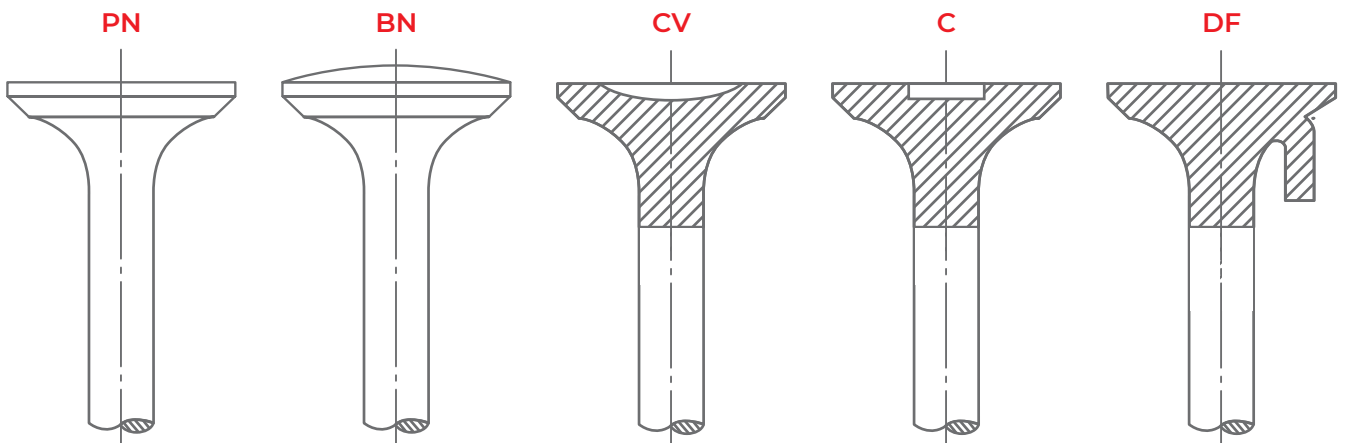
Podemos proveer cualquier tipo de válvula también si no ha sido indicada en este catálogo, con la muestra o el diseño, por una cantidad mini de 2000 piezas.



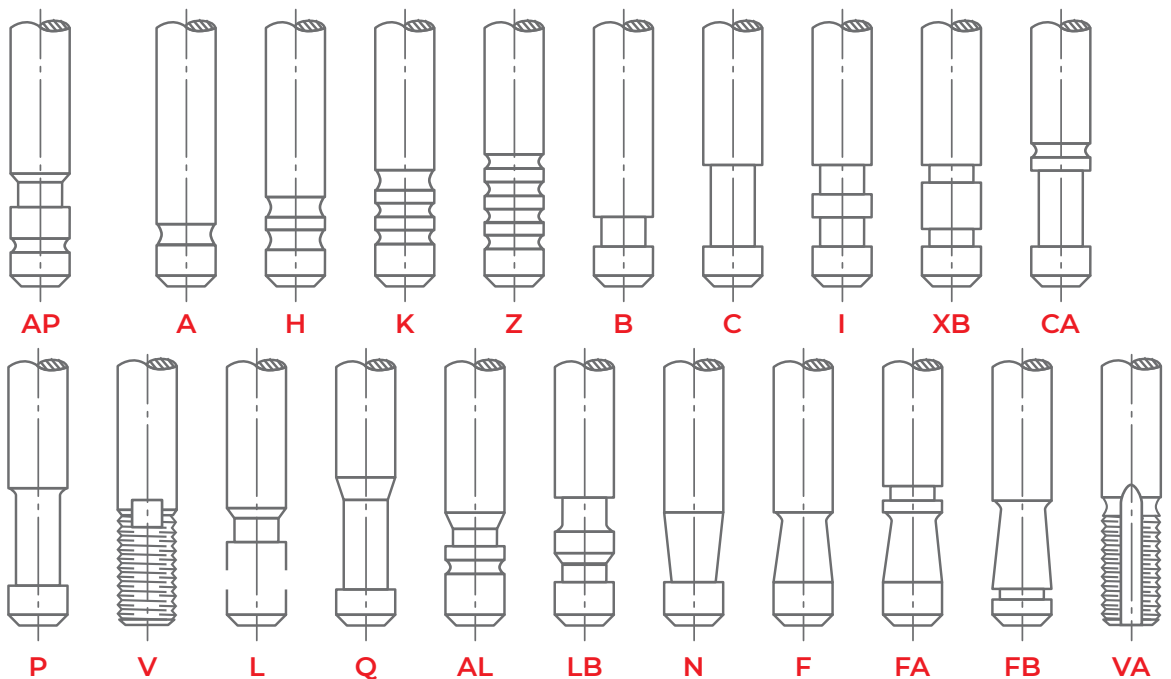
DIMENSIONI - DIMENSIONS - DIMENSION - MEDIDAS



FORMA TESTA - HEAD STYLE - STYLE DE TÊTE - TIPO DE CABEZA



FORMA DI FISSAGGIO - STEM GROOVE - STYLE DE GORGE - FROMA DE LA RANURA



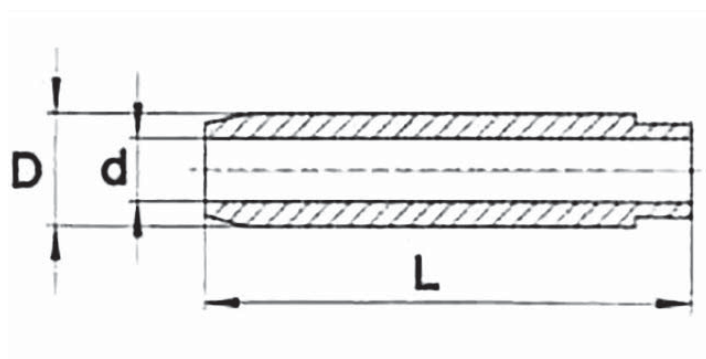


MATERIALI GUIDE

GUIDE MATERIALS

MATÉRIAUX DE GUIDAGE

MATERIALES DE GUÍA

















d = diametro int. - Bore dia. - Dia. int. - Diam. int.













D = diametro est. - Outside dia. - Dia ext. - Diàm. Ext.

L = lunghezza - lenght - longueur - long.


Le dimensioni sono in mm. / Les dimensions sont en mm. / Dimensions are in mm. / Las dimensiones están en mm


GH	BR	MS
<p>Ghisa grigia a matrice perlitica caratterizzata da una buona resistenza all'usura , adatta per impieghi di normali sollecitazioni</p> <p>Perlitic grey iron with good resistance to wear suitable for applications with normal stress levels.</p> <p>Fonte grise à matrice perlitique avec une bonne résistance à l'usure, indiquée pour des emplois à degré de contrainte normal.</p> <p>Fundición gris de matriz perlítica caracterizada por una buena resistencia al desgaste, apta para usos con un grado de sollecitación normal.</p>	<p>Lega caratterizzata da un'elevata resistenza all'usura , buona resistenza alla fatica e corrosione , adatta per impieghi di media sollecitazione.</p> <p>Alloy with high resistance to fatigue and corrosion , suitable for applications with medium stress levels.</p> <p>Alliage présentant une résistance élevée à l'usure, une bonne résistance à la fatigue et à la corrosion, indiquée pour des emplois à un degré de contrainte moyen</p> <p>Aleación caracterizada por una resistencia elevada al desgaste , una buena resistencia a la fatiga y a la corrosión, apta para usos con un grado intermedio de sollecitación .</p>	<p>Lega speciale che si distingue per la sua elevata resistenza meccanica che viene mantenuta anche a temperature estremamente elevate.</p> <p>This special alloy is characterized by its elevated mechanical resistance that is also maintained at extremely high temperatures.</p> <p>Alliage se caractérise par une résistance mécanique élevée qui se maintient même à des températures extrêmement élevées.</p> <p>Aleación especial se caracteriza por su elevada resistencia mecánica que se mantiene incluso a temperaturas extremadamente elevadas.</p>


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
ALFA ROMEO																
Alfa 75	AR06224	1987	1962	4		IN	60513310	1092	44.0	8	116.0	PN	45	K		
Alfa 164 2.0 i Twin Spark	AR06166	1992	1749			EX	60564098									
155 1.7		1993	1773				195360330000									
155 1.8		1994	1995													
155 2.0																
164 2.0																
(85/95/105/107/109 KW)																
						IN	60701202	G52116	15.07	8	48				Br	
						EX	60579200	G52119	15.07	8	45				Gh	
ALFA ROMEO																
Spider 3.0 12V		1998	2959	V6		IN	60512982	1094	43.9	9	104.8	CV	45	K		
							EX	60601089	1095	38.6	9	92.2	PN	45	K	
						IN	119000150302	G51245	14.04	9	49				Br	
						EX	60737369	G52082	14.06	9	42.5				Gh	
ALFA ROMEO																
Alfa 33 1.7 i.e. 16V	AR30746	1989	1712	4		IN	60525336	1096	32.0	7	99.1	PN	45	K		
Eng 307.46	AR30747	1995														
145/146 1.7 16V (95/97 KW)																
							EX	60525337	1097	26.0	7	101.2	PN	45	K	
						IN	60562594	G52260	12.06	7	40.5				Br	
						EX	60562595	G52263	12.07	7	40.5				Gh	
ALFA ROMEO																
Alfa 33 1.2 / Nuova 1.2	AR30732	1988	1186	4		IN	A134957	1098	39.8	8	92.0	PN	45	K		
Alfa 33 1.3 / Nuova 1.3	AR30734	1990	1351													
Alfa 33 1.5 / Nuova 1.5	AR30743		1490													
Alfa 33 1.7 / Nuova 1.7 i.e.	AR30753		1717													
145/146 1.3	AR30755		1351			EX	116080330101	0006	37.0	9	106.5	PN	30	A		
145/146 1.6			1596			EX	60540325	1099	33.1	8	92.1	PN	45	K		
KW (32/34/43/53/55)																
						IN	60750222	G52375	13.08	8.02	40.5				Gh	
						EX	60750222	G52375	13.08	8.02	40.5				Gh	
ALFA ROMEO																
164 2.0 Turbo i	AR16202	1991	1996	V6		IN	60513702	1100	36.5	9	107.2	CV	45	K		
164 2.0 Turbo V6 S		1995					60625603									
GTV 2.0 Turbo		1999					195610330000									
Spider 2.0 TB																
						EX	60513703	1101	32.5	9	94.9	PN	45	K		
						IN	60810438	G52403	14.05	9	48.5				Br	
						EX	60810435	G52601	14.06	9	42				Gh	
ALFA ROMEO																
156 2.5 TB 24V		1999	2492	V6		IN	60667700	1102	33.6	7	102.0	CV	45	K		
166 2.5 TB 24V							60582738									
							55186769									
							EX	60582739	1103	29.1	7	102.1	PN	45	K	
						IN	60612839	G52527	12.06	7	38				Gh	
						EX	60612835	G52342	12.07	7	43				Gh	


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
ALFA ROMEO																	
Spider 3.2 ie V6 24V 164 3.0 V6 24V 164 3.0 Quadrifoglio 4WD GTV 3.0 TB 24V (154/171 KW)	AR64307 936A000	1992 1999	2959	V6		IN	60560643	1400	35.6	7	102.0	CV	45	K			
							EX	60560644	1401	31.1	7	102.2	PN	45	K		
								IN	60612839	G52527	12.06	7	38				Gh
								EX	60612835	G52342	12.07	7	43				Gh
ALFA ROMEO																	
159 1.9 GDi 16V 159 2.2 GDi 16V Brera 2.2 Gdi 159 2.2 JTS 16V	939A6000 939A5000	2005	1900 2200	4		IN	55192156	2192	35.1	6	102.2	CV	45	K			
							EX	71739686	2193	30.1	6	100.9	CV	45	K		
								IN	9006082	G5S2892	10.03	6	36				MS
								EX	9006082	G5S2892	10.03	6	36				MS
ALFA ROMEO																	
159 3.2 JTS Brera 3.2 JTS Spieder 3.2 JTS	939A000	2006	3200	V6		IN	71741112	2648	35.1	6	101.2	CV	45	A			
							EX	71741113	2649	30.6	6	97.0	CV	45	A		
																	
ALFA ROMEO																	
Mito 1.4 GPL Giulietta 1.4 GPL	198A4000	2010	1368	4		IN	55225886	2652	26.8	6	95.2	CV	30	K			
							EX	55225887	2653	23.0	6	94.6	CV	30	K		
								IN	46518800	G5S2525	10.06	6.02	39.7				MS
								EX	46518800	G5S2525	10.06	6.02	39.7				MS
ALFA ROMEO																	
159 1.8 16V 159 1.8 Sportwagon Brera 1.8 TBI Spider 1.8 TBI	939A4000 939B1000	2006	1796	4		IN	55557741	2660	31.2	5	113.9	CV	45	K			
							EX	71744388	2661	27.5	5	113.2	CV	45	K		
																	
ALFA ROMEO																	
MiTo 1.4 16V Giulietta 1.4 TB	199A8000 959A9000 955A1000 940B1000 940B8000	2008	1368	4		IN	55185028	2662	27.0	6	95.2	CV	45	K			
							EX	55185080 55206233 55239748	2663	22.4	6	94.6	PN	45	K		
								IN	46441525	G5S2524	10.03	6.02	39.7				MS
								EX	46441525	G5S2524	10.03	6.02	39.7				MS


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.					
ALFA ROMEO																			
155 2.0 i Turbo	AR67203	1992	1995	4	I	IN	60805834	2686	34.5	7	128.0	PN	45	A					
							7574739												
							7722907												
							EX	7574742	2687	28.5	7	125.6	PN	45	A				
60805836																			
7598073																			
7611673																			
7650916																			
I	IN	7616998	G52244	14.03	7.02	51.3								Gh					
		EX													7616998	G52244	14.03	7.02	51.3
ALFA ROMEO																			
Nuova 75 1.8 Alfa 164 Turbo 2.0 i.e.	M619DT200	1987 1991	1456 1995	4	I	IN	7547400	2719	43.5	8	105.8	CV	45	A					
							7031135												
							46406169												
							EX	7597080	0254	36.2	8	105.7	PN	45	A				
5953041																			
I	IN	4250801	G52603	14.06	8.02	42													Gh
		EX																	
ALFA ROMEO																			
145 1.6 / 2.0 16V T.S. 146 1.6 / 1.8 16V T.S. 156 1.8 / 2.0 16V T.S. GTV 1.8 / 2.0 16V T.S. Spider 1.8 / 2.0 16V T.S. 166 2.0 16V T.S. 147 1.6 16V T.S. 147 2.0 16V T.S. 156 1.6 16V T.S. 156 1.8 16V T.S. 156 2.0 16V T.S. (83/88/103/110 KW)	AR32101 AR67601 AR32201 AR67106	1999 2001 2005	1598 1747 1970	4	I	IN	560017	2914	33.6	7	113.0	PN	45	K					
							60811153												
							7766564												
							EX	60674496	2915	28.1	7	108.5	PN	45	K				
560018																			
60811154																			
I	IN	60811090	G52477	13.03	7.02	46													Gh
		EX							60811087	G52475	13.06	7.02	42.5	Gh					
ALFA ROMEO																			
145 1.4 16V Twin Spark 146 1.4 16V Twin Spark 147 1.6 16V Twin Spark (77 KW) NEW 147 1.6 16V TS 77 Kw	AR37203 AR33503	1999 2001 2005	1370 1598	4	I	IN	60812982	2916	30.0	7	113.1	PN	45	K					
							7735898												
							EX								60812981	2917	26.1	7	108.5
							7735899												
I	IN																		
		EX																	
ALFA ROMEO																			
Mito 0.9 Turbo	312A2000 312A4000 199B6000	2011 2013	872	2	I	IN	55229666	2940	30.1	5	95.5	CV	45	K					
							EX								55231897	2941	25.3	5	95.3
I	IN																		
		EX																	








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
ALFA ROMEO DIESEL																
Alfa 33TD / Giardinetta TD		1981	1779	4		IN	2036026	0001	40.1	8	121.0	PN	55	A		
Giulietta 2.0 TD		1983	1995	5			116760330001									
Alfetta 2.0 TD		1984	2392				60507189									
Alfa 75 2.0		1985/88	2393													
Alfa 90 2.0 TD		1986/87	2492													
Alfetta / Giulietta TD		1992	2500			EX	116760330101	0002	34.0	8	121.0	PN	45	A		
Alfa 90 / Alfetta							60732850									
Giardinetta							60540864									
Alfetta 2.4 TD							60507190									
Alfa 90 TD / 75 2.4 TD							2037025A									
Alfa 6 2.5 TD						2037018										
Alfa 164 2.5 TD						60507190										
155 2.5 TD						195580330100										
164 2.5 TD																
(55/70/77/81)																
						IN	60507152	G51973	14.05	8.01	55				Gh	
						EX	60507152	G51973	14.05	8.01	55				Gh	





ALFA ROMEO DIESEL																
145 1.9 JTD	AR32302	1998	1910	4		IN	55193126	1404	35.5	8	115.0	PN	45	K		
146 1.9 JTD	182B9000	2001	2387	5			46478834									
156 1.9 / 2.4 JTD	937A2000						60814605									
166 2.4 JTD							46750859									
147 1.9 JTD																
156 1.9 JTD																
156 2.4 JTD						EX	55202630	1405	34.5	8	115.0	PN	45	K		
166 2.4 JTD							60814604									
159 1.9 JTD							46416321									
							46783962									
						IN	7565472	G52406	14.03	8.02	43				Gh	
						EX	7565472	G52406	14.03	8.02	43				Gh	








ALFA ROMEO DIESEL																
147 1.9 JTD 16V	192A5000	2003	1910	4		IN	55190248	2647	27.8	5	114.2	PN	45	K		
156 1.9 JTD 16V	841G000	2006	2387	5												
156 2.4 JTD 20V	937A5000	2007														
NEW 147 1.9 JTD 16V	939A3000															
GT 1.9 MJ 16V							IN	195535	1398	27.8	6	114.4	PN	45	K	
159 1.9 JTD 16V							46802049									
159 2.4 JTD 20V							EX	55206431	2658	27.9	5	114.4	PN	45	K	
(Up to engine 5192516)							55205183									
								55207955	2659	24.4	5	114.4	PN	45	K	
							EX	55202557								
						EX	55190249	1399	25.8	6	114.4	PN	45	K		
						EX	55190249	2677	24.9	5	114.2	PN	45	K		
						IN	55210016	G5S2830	10.03	5.02	46.7				MS	
						EX	55210016								G5S2830	10.03







ALFA ROMEO DIESEL																
Mito 1.6 JTDM 16V	198A2000	2008	1598	4		IN	55205125	2654	26.5	5	114.4	PN	45	K		
Giulietta 1.6 JTDM 16V																
							EX	55207955	2659	24.4	5	114.4	PN	45	K	
							55220016									
						IN	55210016	G5S2830	10.03	5.02	46.7				MS	
						EX	55210016								G5S2830	10.03








ALFA ROMEO DIESEL																
Giulietta 2.0 JTDM	192A5000	2005	1956	4		IN	55207517	2658	27.9	5	114.4	PN	45	K		
							EX	55222934	2659	24.4	5	114.4	PN	45	K	
						IN	55210016	G5S2830	10.03	5.02	46.7				MS	
						EX	55210016								G5S2830	10.03







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
ALFA ROMEO DIESEL																					
145 / 146 2.0 TD 155 1.9 TD 155 2.0 TD	AR33601	1993	1929	4		IN	7547158 60808694	2694	37.4	8	116.6	PN	45	A							
						EX	7588577	2695+0.6T	33.5	8	116.6	PN	45	A							
						EX	60808695	2695	33.5	8	116.6	PN	45	A							
						IN	4250803	G52606	14.06	8.02	46.5				Gh						
						EX	4250803	G52606	14.06	8.02	46.5				Gh						
ALFA ROMEO DIESEL																					
Mito 1.3 JTDM	188A9000	2008	1248	4		IN	55219793	2924	21.8	6	109.2	PN	45	K							
						EX	55208213	2925	21.8	6	109.2	PN	45	K							
						IN	46816601	G5S2805	10.03	6.02	43				MS						
						EX	46816601	G5S2805	10.03	6.02	43				MS						
						ASTRA															
HD 7 44.34 HD 7 64.34	8460.41K	1996	9500	6		IN	61316814	0296	49.5	9	147.3	PN	30	A							
						EX	61315973	0297	43.0	9	146.0	PN	45	A							
						IN		G51923	16.05	9.02	67				Gh						
						EX		G51923	16.05	9.02	67				Gh						
						ASTRA															
HD 7 42.42 HD 7 42.42 T HD 7 44.38 HD 7 44.38 T HD 7 44.42 HD 7 44.42 HD 7 64.38 HD 7 64.38 T HD 7 64.42 HD 7 64.42 T HD 7 66.38 HD 7 66.42 HD 7 66.42 T HD 7 86.42 HD 8 42.38 HD 8 42.42 HD 8 64.42 HD 8 66.42 HD 8 84.42	8210.42L 8210.42K	1996 2005	13798	6		IN	98480846	0304	59.0	11	170.0	PN	45	A							
						EX	99452179	0305	49.0	11	170.0	PN	45	A							
						IN		G50278	18.02	11.02	86				Gh						
						EX		G50273	18.02	11.02	76				Gh						
						AUDI															
						80 C / CL / CC / GL 80 CL / GL / Formel E 100 C / CL / GL / Formel E 80 Coupé GL (44/55/63 KW)	WY WV	1981 1981 1983 1984	1296 1588 1781	4		IN	046109601K 049109601F	1118	34.0	8	98.7	CV	45	K	
												IN	5109601C 035109601F	3048	38.0	8	98.7	PN	45	K	
												EX	049109611F 049109611K	1119	31.2	8	98.5	CV	45	K	
												IN	056 103 419A	G51227	12.06	7.98	36.5				Br
												EX	049 103 419	G51498	12.06	7.98	42.3				Br








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.						
AUDI																					
A3 1.8	ADR	1998	1781	4 V6		IN	058109601C	1132	27.0	6	105.1	CV	45	K							
S3 1.8 Turbo 20V	APU	2001	2771																		
A3 1.8 Turbo 20V	AQD	2004	2393																		
A4 1.8 Turbo 20V	AQA																				
A4 1.8	AGA		2671					EX	058109611E	1135	29.9	6	103.9	PN	45	K					
A4 2.8 V6	AJC																				
S4 2.7 I V6 Turbo 30V	APX																				
A6 1.8	AJQ							IN	058 103 415	G52488	11.06	6	35.9					Br			
A6 1.8 Turbo 20V	ALG							EX	058 103 415	G52488	11.06	6	35.9					Br			
A6 2.4	AJK																				
A6 2.7 Turbo	AEB																				
A8 2.8	ARE																				
TT 1.8	AUM																				
TT 1.8 Turbo	AUQ																				
A6 ALLROAD 2.7T	AWT																				
A6 2.7t	BFB																				
AUDI																					
A3 1.8	AGN	1994	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K							
A4 1.8 / 20V	ALT	2001																			
A4 2.0	BBJ																				
A4 3.0 V6 30V	ADP																				
A4 2.4 V6	APS							EX	058109611M	1133	29.9	6	104.0	PN	45	K					
30V	APR								06B109611D												
A4 2.8 V6	BDV																				
A6 2.4 V6	ASN																				
A6 3.0 V6								IN	058 103 415	G52488	11.06	6	35.9					Br			
A6 1.8								EX	058 103 415	G52488	11.06	6	35.9					Br			
(92 KW)																					
AUDI																					
A1 1.4 TFSI 16V	CPTA	2012	999			4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K					
A1 Sportback 1.4 TFSI	CMBA	2013	1395																		
A1 1.0 TFSI	CXSB	2014																			
A1 Sportback 1.0 TFSI	CHPB	2015																			
A3 1.4 TFSI 16V	CHZB							EX	04E109611J	2979	25.0	5	110.1	PN	30	K					
A3 Sportback 1.4 TFSI	CHZD																				
A3 1.0 TFSI	CHZE																				
A3 Sportback 1.0 TFSI	CUKB																				
A3 Limousine 1.4 TFSI	CVNA																				
A3 Cabriolet 1.4 TFSI	CXSA																				
A4 Avant 1.4 TFSI	CXUA																				
A5 Sportback 1.4 TFSI	CZCA																				
Q2 1.4 TFSI	CZDA																				
Q3 1.4 TFSI	CZDB																				
	CZEA																				
AUDI																					
80 GTE	DZ	1983 1984	1781	4		IN	026109601	3006	40.0	8	98.7	PN	45	K							
80 GTE Quattro																					
(82 KW)																					
											EX	035109611F	3007	33.2	8	98.5	PN	45	K		
												035109611H									
											IN	056 103 419A	G51227	12.06	7.98	36.5					Br
											EX	049 103 419	G51498	12.06	7.98	42.3					Br













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
AUDI															
80 Eng. 100 2.0 Avant / Coupé 100 2.3 100 2.8 Avant / Quattro 80 / Quattro / Coupé / Avant (74/82/85/128 KW)	ABB ABC ABK ABT	1981 1984 1990 1994	1595 1984 2309 2771	4 5 6		IN	048109601A	3014	39.5	8	91.9	PN	45	K	
						EX	048109611A 053109611	2980	33.2	8	91.2	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI															
80 S / CC / CD / Quattro 80 / 80 Quattro 90 / 90 Quattro 100 / 100 Avant / quattro Coupé / GT / Quattro 80 CC / CD Quattro 100 CC / CD Avant / Quattro Avant 80 CLE / 4000 / 5000 USA / Japan Models Coupé 90-100 CC / CD / Avant Coupé GT / 5000 USA		1983 1984 1985 1986 1988	1595 1781 1994 2144 2200 2226	4 5		IN	035109601G 035109601H 035109601J 035109601K	3016	38.0	8	91.9	PN	45	K	
						EX	048109611A 053109611	2980	33.2	8	91.2	PN	45	K	
						EX	035109611K 034109611B	3005	33.2	8	90.8	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI															
A3 1.6 A6 2.0 Cabriolet 2.0 A4 2.6 V6 Coupé / Cabrio A4 Cabriolet 2.8 V6 Cabrio A6 2.8 V6 A8 2.8 V6 A4 1.6 (74/110/128 KW)	AEH AKL APF AUR AFT	1994 1998	2598 2571	6		IN	078109601A	3038	39.5	7	91.9	CV	45	K	
						EX	048109611B 078109611C	3039	32.9	7	91.2	PN	45	K	
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br
AUDI															
80 Quattro Coupé 80 / 90 Quattro 90 / 90 Quattro 20V 90 / 90 2.0 20V Quattro Coupé S2 / S4 Avant Turbo / S6 2.2 90 2.3 / 2.3 E Quattro 20V V8 Quattro (101/118/125/162/169/184/206 KW)	ADU ABH ABY	1988 1989 1991	1984 1994 2226 2308 3562 4172	4 5 8		IN	027109601C	3040	32.0	7	95.5	PN	45	A	
						EX	027109611B 027109611C 027109611D	3041	28.0	7	98.2	PN	45	A	
						IN	027 103 419	G52304	12.06	7	38				Br
						EX	027 103 419	G52304	12.06	7	38				Br
AUDI															
80 / 80 Quattro 90 / 90 Quattro Coupé 80 GTE / Quattro 100 / 100 Avant / Quattro Coupé - GT / Quattro 5000 USA Models 80 / 80 Quattro 80 1.9E / 1.9E Quattro 100 2.0E / Avant / Coupé 100 2.3E / Avant / Coupé 80 Quattro / Coupé 80-90 / 90 Quattro 100 2.8 (7		1984 1985 1986 1987 1987 1988 1990 1991	1781 1847 1984 1991 1994 2226 2309 2771	4 5 6		IN	026109601A 026109601C	3042	40.0	8	91.0	PN	45	K	
						EX	048109611A 053109611	2980	33.2	8	91.2	PN	45	K	
						EX	034109611B 035109611K	3005	33.2	8	90.8	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
AUDI																
100 2.3E / Avant / Coupé (98 KW)		1990	2308	5		IN	069109601F 069109601G 069109601H	3043	36.0	8	95.6	PN	45	K		
						EX	053109611	2980	33.2	8	91.2	PN	45	K		
						IN	056 103 419A	G51227	12.06	7.98	36.5					Br
						EX	056 103 419A	G51227	12.06	7.98	36.5					Br
AUDI																
80 CC / CD 80 Quattro 100 / 100 Avant 5000 USA Models 80 CL / GL / Formel E Quattro 80 CC / CD Coupé 80 Coupé GT5S / CD5E / 5S 100 C5 / CL5 / GL5 / L5 / Avant / Coupé GT5S 90 E / Coupé GT / 100 Avant 100 Avant / 5CS-CL5S GL5S / CD5S 100 Avant C		1979 1981 1981 1982 1983 1984 1985 1986	1595 1781 1921 1994 2144	4 5		IN	035109601C 035109601F	3048	38.0	8	98.7	PN	45	K		
						EX	035109611F 035109611H	3007	33.2	8	98.5	PN	45	K		
						IN										
						EX										
AUDI																
A6 Avant / Quattro A6 Coupé / Cabrio S6 4.2 A8 4.2 (101/213/221 KW)	ACE	1994	1998 4172	4 8		IN	051109601B	3062	32.0	7	95.5	PN	45	K		
						EX	051109611B	3063	27.0	7	98.0	PN	45	K		
						IN	051 103 419	G52472	12.06	6.98	35					Br
						EX	051 103 419	G52472	12.06	6.98	35					Br
AUDI																
A8 3.7 A84.2 (dal telaio 4DT001) S6 4.2			3697 4172	8		IN	077109601K	3084	32.7	6	94.6	CV	45	K		
						EX	077109611D	3085	27.0	6	97.0	PN	45	K		
						IN										
						EX										
AUDI																
A6 4.2 A8 3.7 A8 4.2	AQF AQG ARS		3697 4172	V8		IN	077109601Q	3088	26.9	6	96.5	CV	45	K		
						EX	077109611K	3089	29.9	6	94.9	CV	45	K		
						IN	058 103 415	G52488	11.06	6	35.9					Br
						EX	058 103 415	G52488	11.06	6	35.9					Br
AUDI																
A8 Eng.BHT-BTE	BHT BTE	2006	2300	V5		IN	022109601F	3090	30.9	6	136.1	CV	45	K		
						IN	2109601E	3092	27.0	6	102.5	PN	45	K		
						EX	022109611C	3093	27.0	6	136.4	PN	45	K		
						EX	022109611B	3091	31.0	6	102.2	CV	45	K		


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
AUDI																
A6 2.4 V6	BDW	2004	2393	V6		IN	06E109601H	3096	32.3	6	104.0	CV	45	K		
						EX	06D109611L	3127	28.0	6	101.9	PN	45	K		
						IN	058 103 415	G52488	11.06	6	35.9					Br
						EX	058 103 415	G52488	11.06	6	35.9					Br
AUDI																
A2 1.4 16V (55 KW) Eng. AUA A2 1.6 16V Eng. BAD NEW A3 1.6 FSi (85kw) Eng. BAG A1 1.4 TFSI Eng. CAXA	AUA BAD BAG	2001 2009	1390	4		IN	036109601S 036109601AD	3102	29.5	6	100.9	CV	45	K		
						EX	036109611K	3103	26.0	6	100.6	PN	45	K		
						IN	058 103 415	G52488	11.06	6	35.9					Br
						EX	058 103 415	G52488	11.06	6	35.9					Br
AUDI																
A4 1.6 A3 1.6 Eng. ALE-AVU NEW A3 1.6 (75Kw) Eng. BGV	ALE AVU BGV	2001 2003	1595	4		IN	06B109601D 06B109601B	3114	39.4	6	93.8	CV	45	K		
						EX	06B109611B 06B109611C	3115	32.9	6	93.8	PN	45	K		
						IN										
						EX										
AUDI																
New A3 2.0 16V Fsi A4 2.0 20V Fsi A3 2.0 TSFI 16V A4 1.8 TFSI 16V A4 2.0 TSFI 16V A5 2.0 TSFI 16V A5 1.8 TFSI 16V Q5 2.0 TFSI 16V Eng. AXW-AWA-BYK-CAWB-CAEA- CDNB-CDNC	AXW AWA BYK CAWB CAEA CDNB CDNC	2003 2010	1984	4		IN	06D109601K 06D109601M 06E109601E	3126	33.8	6	104.0	CV	45	K		
						EX	06D109611K 06D109611L 06D109611H 06D109611T 06J109611A TAPERED 06J109611D TAPERED	3127	28.0	6	101.9	PN	45	K		
						IN	058 103 415	G52488	11.06	6	35.9					Br
						EX	058 103 415	G52488	11.06	6	35.9					Br
AUDI																
Q7 3.6 V6 FSI Eng. BHK	BHK BUB	2007	3597	V6		IN	022109601H	3128	33.2	6	136.3	CV	45	K		
						IN	2109601G	3094	33.2	6	102.4	CV	45	K		
						EX	022109611P	3129	30.2	6	136.1	CV	45	K		
						EX	022109611N	3095	30.2	6	102.2	CV	45	K		


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.	
AUDI																
A1 1.2 TFSI A3 1.2 TFSI Eng.CBZA-CBZB	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K		
							EX	03F109611B 03F109611C	3131	30.0	6	98.3	PN	45	K	
							IN	058 103 415	G52488	11.06	6	35.9				Br
							EX	058 103 415	G52488	11.06	6	35.9				Br
AUDI DIESEL																
80 Diesel GLD / LD (40 KW)	CN	1980 1981	1588	4		IN	068109601	1123	34.0	8	104.8	CV	45	A		
							EX	068109611	1124	31.0	8	104.5	CV	45	A	
							IN	056 103 419A	G51227	12.06	7.98	36.5				Br
							EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL																
100 LSD GLSD / CD / 5D 100 Avant D (52 KW)		1978	1986	5		IN	069109601	1129	36.0	8	104.8	CV	45	A		
							EX	068109611	1124	31.0	8	104.5	CV	45	A	
							IN	056 103 419A	G51227	12.06	7.98	36.5				Br
							EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL																
100 Avant / Turbo Diesel C / CL / GL / CD / CC / CS (52/64 KW)	CY	1981 1985	1986	5		IN	069109601C 069109601D	1130	36.0	8	104.9	CV	45	K		
							EX	068109611C 068109611D 072109611	1131	31.2	8	104.5	CV	45	K	
							IN	056 103 419A	G51227	12.06	7.98	36.5				Br
							EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL																
80 Turbo Diesel A4 1.9 TDi 100 / Avant 100 / Avant-Turbo D A6 2.5 TDi (60/66/81/85/88/103 KW)	1Z AAT	1990 1991 1995	1896 2370 2460	4 5		IN	028109601A 028109601H 046109601G 046109601G 046109601J 046109601J	1948	36.0	8	96.9	PN	45	K		
							EX	068109611M 068109611L	3045	31.2	8	95.6	PN	45	K	
							EX	046109611C 046109611F 046109611E	1949	31.5	8	96.9	PN	45	K	
							IN	056 103 419A	G51227	12.06	7.98	36.5				Br
							EX	049 103 419	G51498	12.06	7.98	42.3				Br
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
AUDI DIESEL																
A3 1.9 TDi A4 1.9 Tdi	AEY AHF AFN AHH AGR AFF ASV AHU	1996	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K		
							EX	028109611G	2971	31.5	7	96.9	PN	45	K	
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
							EX	037 103 419B	G52470	12.06	6.98	36.5				Br


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
AUDI DIESEL															
80 Diesel C / CL / GL 80 Turbo D / CL / CD (40/52 KW)	CR	1981 1982	1588	4		IN	068109601C 068109601D	3015	34.0	8	104.8	CV	45	K	
						EX	068109611C 068109611D 072109611	1131	31.2	8	104.5	CV	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br
AUDI DIESEL															
80 / 80 Turbo Diesel 100 Avant CC / CD Diesel 100 Avant CC / CD Turbo Diesel Hydraulic Lifter 100 / 100 Avant Turbo 100 (Eng. 3D) (50/52/55/60/64/75 KW)		1985 1986 1988 1989	1896 1986 2360	4 5		IN	069109601F 069109601G 069109601H	3043	36.0	8	95.6	PN	45	K	
						EX	068109611L 068109611M 069109611 074109611	3045	31.2	8	95.6	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	049 103 419	G51498	12.06	7.98	42.3				Br
AUDI DIESEL															
80 Diesel 1.6 80 Turbo Diesel 90 1.6 TD Hydraulic Lifter 90 Turbo (Italy) 80 CC / CD 80 Quattro 80 CC / CD Turbo 80 / 80 Quattro Turbo 90 Turbo Diesel Audi 80 1.91 Audi 100 2.41 (40/52/59 KW)	RA SB	1985 1985 1986 1987 1988 1989	1588	4 5		IN	068109601L 068109601M 068109601N	3044	34.0	8	95.6	PN	45	K	
						EX	068109611L 074109611 069109611 068109611M	3045	31.2	8	95.6	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	049 103 419	G51498	12.06	7.98	42.3				Br
AUDI DIESEL															
A4 2.5 TDi A6 2.5 TDi A8 2.5 TDi ALLROAD 2.5 Tdi	AFB AKE AYM AKN AFB	1998	2496	V6		IN	059109601B 059109601C	3108	27.2	6	100.6	PN	45	K	
						EX	059109611C 059109611B	3109	24.1	6	100.6	PN	45	K	
						IN		G52632	10.06	5.98	42				Br
						EX		G52632	10.06	5.98	42				Br
AUDI DIESEL															
A4 1.9 Tdi A6 1.9 Tdi A2 1.4 Tdi (BEFORE 2003) New A3 1.9 Tdi	AVB ASZ AMF AJM BKC	2000 2003	1896 1422	4 3		IN	038109601B	3110	36.0	7	89.9	PN	45	K	
						EX	038109611B	3111	31.5	7	89.9	PN	45	K	


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
AUDI DIESEL																
New A3 2.0 Tdi	BKD	2003	1968	4		IN	03G109601A	3118	29.4	6	88.5	PN	45	K		
							EX	03G109611B	3119	25.5	6	88.2	PN	45	K	
																
AUDI DIESEL																
A4 2.0 16V Tdi A6 2.0 16V Tdi	BLB AZV BKD BRE	2004 2006	1968	4		IN	03G109601B	3120	29.1	6	87.8	PN	45	K		
							EX	03G109611D	3121	25.4	6	87.5	PN	45	K	
								IN	058 103 415	G52488	11.06	6	35.9			
						EX	058 103 415	G52488	11.06	6	35.9				Br	
AUDI DIESEL																
A6 2.5 V6 Tdi	BCZ	2003	2496	V6		IN	059109601F	3122	27.2	6	100.6	PN	45	K		
							EX	059109611G	3123	24.1	6	100.7	PN	45	K	
																
AUDI DIESEL																
A2 1.4 Tdi New A3 1.9 Tdi	AMF BKC AXR	2003	1422	4		IN	038109601E	3132	36.0	7	89.5	PN	45	K		
							EX	038109611E	3133	31.5	7	89.1	PN	45	K	
								IN	037 103 419B	G52470	12.06	6.98	36.5			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
AUDI DIESEL																
A2 1.2 Tdi	ANY	2003	1191	3		IN	045109601	3134	35.9	7	89.7	PN	45	K		
							EX	045109611	3135	31.5	7	89.7	PN	45	K	
								IN	037 103 419B	G52470	12.06	6.98	36.5			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
AUDI DIESEL																
A8 3.3 Tdi	AKF	2001	3328	V8		IN	057109601	3136	27.1	6	99.0	PN	45	K		
							EX	057109611B	3137	24.1	6	99.1	PN	45	K	
																







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
AUDI DIESEL																			
Q5 3.0 V6 Tdi	BPP	2007	2698	V6		IN	059109601G	3138	28.6	6	99.3	PN	45	K					
Q7 3.0 V6 Tdi	CAPA	2010	2967																
Q7 4.2 V8 Tdi	BUG	2011																	
A5 3.0 V6 Tdi	CASB																		
A6 3.0 V6 Tdi	CCWA					EX	059109611K 059109611H	3139	26.8	6	99.2	PN	45	K					
A4 3.0 V6 Tdi	CCWB																		
A8 3.0 V6 Tdi	CCFC																		
A4 2.7 V6 Tdi	CCKA																		
A5 2.7 V6 Tdi	CCLA																		
A6 2.7 V6 Tdi	CGKA																		
	CGKB																		
	CAND																		
	CDYA																		
	CDYC																		
AUDI DIESEL																			
A4 2.0 Tdi 16V	BPW	2008	1996	4		IN	038109601F	3140	35.5	7	88.8	PN	45	K					
A6 2.0 Tdi 16V																			
Q5 2.0 TDI 16V																			
A7 2.0 Tdi 16V										EX	038109611G	3141	31.4	7	88.4	PN	45	K	
Eng.CAGA-CAGB-CAGC-CAGR-CAHA-CMEA-CJCA-CGLB										IN	037 103 419B	G52470	12.06	6.98	36.5				Br
					EX	037 103 419B	G52470	12.06		6.98	36.5				Br				
AUDI DIESEL																			
A4 2.0 Tdi 16V	CAGA CAGB CAGC CAGR CAHA CMEA CJCA CGLB	2008 2009 2011	1968	4		IN	03L109601	3142	28.1	6	99.3	PN	45	K					
A6 2.0 Tdi 16V																			
Q5 2.0 TDI 16V																			
A7 2.0 Tdi 16V										EX	03L109611	3143	26.0	6	99.1	PN	45	K	
										IN		G52632	10.06	5.98	42				Br
					EX		G52632	10.06		5.98	42				Br				
AUDI DIESEL																			
A1 1.6 Tdi	CAYC	2010	1598	4		IN	03L109601A	3144	26.5	6	99.3	PN	45	K					
						EX	03L109611A	3145	24.4	6	99.1	PN	45	K					
																			
B.L.M.C.																			
Leyland TL 11	TL11	1981				IN	612817	2264	55.1	11	151.8	PN	30	A					
						EX	VEJ1005	2265	46.5	11	150.3	PN	30	A					
																			
B.L.M.C. DIESEL																			
Leyland Diesel		1981	3770 5655	4 6		IN	NKJ0032	0047	43.0	8.7	148.0	PN	30	A					
Eng. 4/98 NV																			
Eng 6/98 DV / NV																			
Eng. 6/98 TV Turbo (46/55/72/85 KW)									EX	86K944	0045	38.0	8.7	148.0	PN	45	A		
						IN	UAJ1007	G51908	15.12	8.81	73.2				Gh				
						EX	UAJ1009	G51909	15.12	8.81	82.6				Gh				


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
BMW 535i. 735i. / iL Eng. M30B35ME7 Eng. M30B35ME (155/162 KW)	M30	1986 1987	3430	6		IN	11341705560	0048	46.9	8	106.5	PN	45	K		
							EX	11341250129 11341269419 11341710788	0071	37.9	8	107.2	CV	45	K	
							IN	11121263642	G51913	14.04	8	50				Br
							EX	11121263642	G51913	14.04	8	50				Br


BMW 2500 / 2500 CS 525 525 / 728 525i. / iA / 728i. 2800 / 2800 CS / 2800 L 528 528i. / 628 Csi. / 728i. 3.0 S-CS-L-Si.-Csi. 630 CD / 730 730i. / i.L 530i. 633 CSI 732i. 733i. 735i. 535i. 635 CSI 735i. 745i. Turbo 735i.	M635	1968 1976 1981 1971 1972 1977 1980 1981 1982 1983 1986 1988 1993	2494 2788 2985 3210 3430 3453	6		IN	11341257592	0070	45.9	8	106.5	PN	45	K		
								11341273592								
							EX	11341250129 11341269419 11341710788	0071	37.9	8	107.2	CV	45	K	
							IN	11121263642	G51913	14.04	8	50				Br
							EX	11121263642	G51913	14.04	8	50				Br


BMW 320 520 320i. 520i. 323i. 325 / 325E 525 / 525E 528E / 528E USA 328 / M20 528 / B20 (90/92/95/105/110 KW)	M20 B20	1977 1977 1981 1982 1983 1984	1990 2316 2693	6		IN	1267687	0072	39.9	7	102.5	PN	45	K		
								11341265453 1265453 11341267721								
							EX	1271273 1280643 11341280643 1267688 11341267722	0073	33.9	7	102.5	PN	45	K	
							IN	11121280523	G51871	13.05	7	45				Br
							EX	11121280523	G51871	13.05	7	45				Br


BMW 316i. 318i. 518i. (73/77/83 KW) Eng.M40B	M40	1988 1990	1596 1796	4		IN	1709955	0080	42.0	7	102.0	PN	45	K		
								11341727358								
							EX	11341727352 1717978	0081	36.0	7	101.0	PN	45	K	
							IN	11121715373	G52377	12.55	7	43.5				Br
							EX	11121715373	G52377	12.55	7	43.5				Br


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.											
BMW																										
316i Eng. M40B16 318i Eng. M40B18ME 318i Eng. M40 318i / 518i Eng. M40B18 750i / 750iL V12 850 Eng. M70 (73/77/83/220 KW) 850 Csi	M40 M70	1986	1596	4 12		IN	11341727358 11341706941	0080	42.0	7	102.0	PN	45	K												
		1987	1766																							
		1988	1796																							
		1989	4988																							
		1990	5576																							
																EX	11341713731	0082	35.0	7	101.0	PN	45	K		
																EX	11341117579 11341727352 11341717878	0081	36.0	7	101.0	PN	45	K		
						IN	11121715373	G52377	12.55	7	43.5				Br											
						EX	11121715373	G52377	12.55	7	43.5				Br											
BMW																										
164325i. 325 i. C/i. X 525i. (M20 B25) Z1 Eng. M20 (125 KW)	M20	1985	2494	6		IN	11341720827 11341708895	0083	42.0	7	102.5	PN	45	K												
		1988																								
		1988																								
		1991																								
																EX	11341720828 11341708896	0084	36.0	7	102.5	PN	45	K		
						IN	11121280523	G51871	13.05	7	45				Br											
						EX	11121280523	G51871	13.05	7	45				Br											
BMW																										
316i. M43 / Compact / Coupé / Z3 1.8 318i. M43 / Cabriolet 518i. Touring 750i. E39 / 24V 850 Ci. 24V 850 Csi. 24V 316 k 1.9 316 E46 1.9 316 E46 1.6 318i. E46 1.9 Z3 1.8 750i. E38 850 Ci. M73 318 Ci. (75/85/230/279 KW) Eng.M43B16	M43 M73	1993	1596	4 12		IN	11341739658 11341739658 11341436949	0086	41.9	7	104.0	PN	45	K												
		1994	1796																							
		1999	1895																							
		2000	5379																							
			5576																							
																EX	11341436950 11341433893 11341739665	0087	35.9	7	102.9	PN	45	K		
																	IN	11121715373	G52377	12.55	7	43.5				Br
																	EX	11121715373	G52377	12.55	7	43.5				Br
BMW																										
318i. M44 318i. M42 318 ti Compact 325 ti Compact Z3 1.9 323i. M52 325i. M50 24V 523i. E39 525i. M50 24V 328i. M52 528i. E39 323 K 323 E46 523 E39 328 E46 Z3 2.8 528 E39 728 E38 325 Ti. 325 Ci. 330 Xi. 530i E60 730i E65 Z3 3.0 Z4 2.5i Eng.M52B28-M52B52	M52B28 M52B52	1992	1895	4 6		IN	11341738218 11341739820 11341739822 11341438451	0100	33.0	6	106.1	PN	45	K												
		1995	1995																							
		1996	2494																							
		1999	2793																							
		2001																								
		2003																								
																EX	11347505731 11341738219 11341739821 11341739823	0101	30.4	6	105.7	PN	45	K		
																	IN	11121735534	G52444	12.55	6	43.5				Br
																	EX	11121735534	G52444	12.55	6	43.5				Br













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.	
BMW 535i. E39 540i. E39 840 Ci. M5 E39 X5 4.4 Eng. M62 TU Eng. M60B40	M60 M62	2001	3498 4398 4941	V8		IN	11341731640	0106	35.0	6	104.1	PN	45	K		
							11341435480									
							11341408015									
							11341736549									
							EX	11341736558	0107	30.4	6	103.6	PN	45		K
							11341433699									
11341408016																
11341741231																
11341435482																
11341433481																
11341433481																
IN	11121735534	G52444	12.55	6	43.5							Br				
EX	11121735534												G52444	12.55	6	43.5











BMW 530i. 32V 730i. 32V 535i. E39 735 E39 Eng. M60B30	M60B30	1999	2997 3498	V8		IN	11341736567	0108	32.0	6	104.0	PN	45	K	
							11341731642								
							11341433482								
							11341433700								
							11341435476								
							EX								
11341435478															
11341433483															
11341741230															
11341731643															
11341736576															
IN															
EX													Br		















BMW 320 E46 Z3 2.0 520 E39 520 M54 Eng. M50B20-M52B20	M50B20 M52B20 M54	1999	1991	6		IN	11341738220	0114	29.9	6	107.0	PN	45	K																
							11341438449																							
							EX									11347502351	0115	26.9	6	106.1	PN	45	K							
							11341738221																							
							IN									11121735534								G52444	12.55	6	43.5			Br
							EX									11121735534														



BMW Mini Eng. Peugeot EP6DT-EP6DTS	EP6DT EP6DTS N14B16A N14B16C N18B16A	2010	1587	4		IN	11347587470	2250	28.8	5	105.7	CV	45	K																
							11347534508																							
							EX									11347547187	2251	26.0	5	110.3	CV	45	K							
							IN																							
							EX																							


BMW 114 i 116 i 118 i Eng. N13B16F20	N13B16 F20	2011	1598	4		IN	11347585901	2255	29.7	5	95.1	CV	45	K															
							EX									11347547187	2251	26.0	5	110.3	CV	45	K						
							IN																						
							EX																						


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
BMW																		
523 i 525i Eng. M52-Eng. M52N 523 Eng. N52B25A Eng. F10-F11	M52 F10 F11	2006 2010	2497 2996	6		IN	11347539919	3402	32.1	5	104.5	CV	45	K				
						EX	11347553774	3403	27.0	6	110.4	CV	45	K				
																		
BMW																		
Mini One 1.4 i 16V Mini Cooper 1.4 i 16V	N12B14A N12B16A N16B16A	2007	1397 1596	4		IN	11347533884	3404	30.0	5	97.0	CV	45	K				
						EX	11347533885	3405	25.1	5	110.8	CV	45	K				
																		
BMW																		
545 E60 745 E65 760 E65 116i Eng. N62B44A Eng. N45B16A	N62B44A N45B16A	2003 2004	1596 4398 5972	4 V8 V12		IN	11347503737 11341435461	3406	34.9	6	100.0	CV	45	K				
						EX	11347592839 11341707519 11347503738	5167	28.9	6	100.1	CV	45	K				
																		
BMW																		
Mini One 90cv Mini Cooper 115cv Eng. W10B14A-W10B16	R50 W10B14A W10B16 W11B16	2001	1600	4		IN	11341485585 11347829955 11347513019 11347513023	3407	30.3	6	109.0	CV	45	K				
						EX	11347829943 11347829944 11347513020 11347513024	3408	23.3	6	117.8	PN	45	A				
																		
BMW																		
130 i 330 i 530 i 630 i 730 i Z4 3.0 Si X3 3.0 Si X5 3.0 Si 528 i Eng. F10-F11 N52B30A-M54B25- M54B30	F10 F11 N52B30 M54B25 M54B30	2006 2010	1997 2996	4 6		IN	11347553771 11347539915	3409	34.2	5	104.5	CV	45	K				
						EX	11347553772	3410	29.0	6	110.6	CV	45	K				
																		




Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.			
BMW																		
135 i 335 i 535 i Eng. N54B30A	N54B30A	2007	2979	6		IN	11347553775	3411	31.4	5	106.6	CV	45	K				
							EX	11347553776 11347573840	3412	28.0	6	114.6	CV	45	K			
																		
BMW																		
523 528 Eng. F10-F11 N53B30A	F10 F11 N53B30A	2010	1997	4		IN	11347552952	3413	32.0	5	106.7	CV	45	K				
							EX	11347552953	3414	29.0	6	114.6	CV	45	K			
																		
BMW																		
X1 16i X1 18i X1 28i X3 20i X3 28i X4 20i X4 28i X5 28i X5 35i X5 40i X6 28i X6 35i Z4 18i Z4 20i Z4 28i 125 i 2.0 16V 320 i 2.0 16V 358 ix 2.0 16V 520 i 2.0 16V 528 ix 2.0 16V	N20 B20 N55	2010 2011 2012 2015	1997 2979	4 6		IN	11347583777 11347583779	3420	32.0	5	104.9	CV	45	K				
							EX	11347598273	3422	27.9	6	112.8	CV	45	K			
																		
BMW																		
316i. Eng. M42B16 318i. / 318i.S 16V Eng. M42B18 325i. 24V / Coupé 525i. 24V / 525i.X Touring 24V Eng. M50B25 (73/83/103/125/141 KW)	M50 M42	1989 1990 1991 1992	1196 1796 2494	4		IN	11341722908	5157	32.9	7	106.7	PN	45	K				
							EX	11341722909	5158	30.4	7	106.3	PN	45	K			
																		
					IN		G52491	12.05	6	43.4				Br				
					EX		G52491	12.05	6	43.4				Br				
BMW																		
320i. 320i. 24V / Coupé 520i. 24V Touring 24V (110 KW) Eng. M50B20	M50B20	1987 1990 1991 1992	1991	6		IN	11341722910	5159	29.9	7	107.7	PN	45	K				
							EX	11341722911	5160	26.9	7	106.8	PN	45	K			
																		
					IN		G52491	12.05	6	43.4				Br				
					EX		G52491	12.05	6	43.4				Br				


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
BMW																		
120 320 520 Eng. N43	N43	2010	1996	4		IN	11347548280	5165	31.4	6	106.7	CV	45	K				
							EX	11347573840	3412	28.0	6	114.6	CV	45	K			
																		
BMW																		
316 Ti. 318Ti Eng. N 42 118 i Eng. N 46 120 i Eng. N 46 320 i E90 X1 1.8 Eng. E84	N42 N46 E84	2001 2004 2010	1796 1995	4		IN	11341440304	5166	32.0	6	100.0	CV	45	K				
							EX	11341707519 11347529839	5167	28.9	6	100.1	CV	45	K			
																		
BMW																		
M3 E36 3.2 Z3 M 3.2		1996	3201	6		IN	11341404588	5206	35.0	6	119.8	CV	45	K				
							EX	11341404589	5207	30.5	6	121.3	CV	45	K			
																		
BMW DIESEL																		
Eng. M21 D24 Turbo 324 / 524 D/TD Eng. M21 D24WA Turbo 524 TD (63/85 KW)	M21	1983 1986	2446	6		IN	11342242621 11341279141 11342242624	0062	35.0	7	114.3	PN	45	K				
							EX	11341275965 11342242622 11342242623	0063	31.0	7	114.0	PN	45	K			
						IN	11121280523	G51871	13.05	7	45				Br			
						EX		G52271	13.05	7	52				Br			
BMW DIESEL																		
318 TDS Eng. M51D25 325 TD Eng. M51D25 525 TDS (85/105 KW)	M51	1990 1991	1665 2498	4 6		IN	11342243328	0064	35.9	7	103.7	PN	45	K				
							EX	11342244282	0065	30.9	7	103.5	PN	45	K			
						IN	11121280523	G51871	13.05	7	45				Br			
						EX		G52271	13.05	7	52				Br			
BMW DIESEL																		
325 TDS M34 525 TDS M51 725 TDS M51 525 TDS E39 318 TDS K 318 TDS E36 Eng. M41D-M51D	M34 M51	1996 1999	2497	6		IN	11342244858 11342244814 11342246524	0098	35.9	6	103.7	PN	45	K				
							EX	11342246525 11342244815 11342244851	0099	30.9	6	103.6	PN	45	K			
						IN		G52534	12.55	6	39.5				Br			
						EX		G52534	12.55	6	39.5				Br			


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
BMW DIESEL															
320 D E46 320 CD E46	M47 M57 M67	1999 2002	1951 2926 3901	4 6 V8		IN	11342247077	0677	25.9	6	99.9	PN	45	K	
						EX	11342247077	0677	25.9	6	99.9	PN	45	K	
ENG. M47TU 330 D E46 330 CD ENG. M57TU 530 D E39 530 D E60 540 D E39 730 D E38 740 D E40 730 D E65 ENG. M57TU 740 D E65 ENG. M67 318TD COMPACT 320TD COMPACT ENG. M47 TU X5 3.0D ENG. M57 118 D 120 D 535 D 320 D E90 X3 2.0 D 325 D															


BMW DIESEL															
Mini one Diesel Eng. Fiat - Peugeot R55-R56	R55 R56	2006	1560	4		IN	11347805968	0898	25.6	5.5	96.4	CV	45	K	
						EX	11347805969	0899	23.4	5.5	96.6	PN	45	K	
						IN		G52836	9.55	5.51	34				Gh
						EX		G52836	9.55	5.51	34				Gh


BMW DIESEL															
Mini one Diesel Eng. Toyota	W17B16	2003	1364	4		IN	11347791054	3415	30.6	6	100.0	CV	45	A	
						EX	11347791055	3416	28.0	6	100.0	CV	45	A	
						IN		G552701	11.09	6.01	40.6				MS
						EX		G552701	11.09	6.01	40.6				MS







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
BMW DIESEL																		
116 D	F11	2004	1496	3 4 6		IN	11127797711	3417	27.2	5	94.0	PN	45	K				
118 D	F84	2007	1995															
120 D	F25	2011	2993															
120 D xDrive	N57D30A	2013																
123 D	N47D20C	2014				EX	11347797712 11348511622	3418	24.6	5	94.0	PN	45	K				
X1 2.0 D	B37C15A	2015																
X1 2.3 D	B37C20A																	
X3 2.0 D	B47C20A																	
Active Tourer 214 D	B47D20A																	
Active Tourer 216 D	N47D20A																	
Active Tourer 218 D	N47D20D																	
Active Tourer 218 D xDrive	N57D30A																	
Active Toure 220 D																		
Gran Tourer 214 D																		
Gran Tourer 216 D																		
Gran Tourer 218 D																		
Gran Tourer 220 D																		
316 D																		
318 D																		
320 D																		
Gran Turismo 320 D																		
Gran Turismo 330 D																		
520 D																		
525 D																		
530 D																		
535 D																		
Eng.F11-F84-F25																		















BMW DIESEL																			
X3 3.0 SD	N57N306	2006 2007	2993	6		IN	11347799612	3419	27.5	6	99.8	PN	45	K					
X5 3.0 D																			
335 D																			
535 D																			
Eng.N57N306						EX	11342247077	0677	25.9	6	99.9	PN	45	K					











BMW DIESEL																			
316 D 1.6 16V	N47 N47C16A	2011	1598	4		IN	11347812618	9400	24.8	5	94.0	PN	45	K					
318 D 1.6 16V																			
Eng.N47																			
MINI ONE D 1.6 16V																			
Eng.N47C16A						EX	11347812616	9401	21.2	5	94.0	PN	45	K					













BREDAMENARINIBUS																			
Serie M321	D 2865 LOH 07		9973	4		IN	51041010375	1625	58.0	12	142.5	PN	30	A					
												EX	51041010479 51041010447	1626	51.0	12	142.5	PN	45
						IN	51032010088	G52049	18.03	12.03	64				Gh				
						EX	51032010088	G52049	18.03	12.03	64				Gh				













BREDAMENARINIBUS																			
Serie M230	D 0824 LOH 05	1994	4580	4		IN	51041010425	1630	49.0	10	136.6	PN	30	A					
												EX	51041010410	1631	42.0	10	136.3	PN	45
						IN	51032011052	G52162	16.03	10	65				Gh				
						EX	51032011053	G52163	16.03	10	55				Gh				




Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
BREDAMENARINIBUS																	
Avancity + S Lander 12.2	D 2066 LUH 43 D 2066 LUH 47	2008	10518	4		IN	51041010574	1798	40.0	9	160.4	PN	30	K			
							EX 51041010546	1799	38.0	9	160.4	PN	45	K			
BREDAMENARINIBUS																	
Avancity + S CNG	E 2876 LUH 02	2013	12816	4		IN	51041010438	2347	58.0	12	142.5	PN	30	A			
							EX 51041010439	2348	51.0	12	142.5	PN	30	A			
BREDAMENARINIBUS																	
Avancity + L CNG Avancity + N CNG Vivacity + C CNG Zeus M240EL Zeus M240LI Zeus M340	M906.900 M906.903 M906.901 M906.911 M906.910 M904.928	2008	4249 6374 6884	4		IN	9060500326	2736	34.0	8	128.7	PN	20	A			
							EX 9060500327	2777	37.9	8	152.5	PN	45	A			
BREDAMENARINIBUS																	
Avancity + L Avancity + N Vivacity + C Vivacity + M	TCD 2013 L06 4V TCD 2013 L4 4V	2008 2010	4764 7146	4		IN	20833932 20980413	5226	38.2	8	145.7	PN	30	K			
							EX 20833936 20997871	5227	35.8	8	145.8	PN	45	K			
BUICK																	
Enclave 3.6 Enclave 3.6 AWD	LY7	2008	3564	6		IN	12575351	2465	37.0	6	101.3	CV	45	A			
							EX 12575354	2464	30.6	6	97.0	CV	45	A			
CADILLAC																	
BLS 2.0 T Eng.B207LR	B207LR	2006	1998	4		IN	55192156 12786696	2192	35.1	6	102.2	CV	45	K			
							EX 12791961	2193	30.1	6	100.9	CV	45	K			





Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
CADILLAC																	
CTS 2.8V6 STS 2.8V6	LP1	2006	2792	V6		IN	12575352	2463	35.2	6	101.4	CV	45	A			
							641079										
							EX	12575354	2464	30.6	6	97.0	CV	45	A		
																	
CADILLAC																	
SRX 3.6 V6	LY7	2006	3564	V6		IN	12575351	2465	37.0	6	101.3	CV	45	A			
							EX	12575354	2464	30.6	6	97.0	CV	45	A		
																	
CADILLAC																	
CTS STS ESCALADE		2009	2935	V6		IN	12590771	3710	55.0	8	123.9	CV	45	A			
							12617533										
							EX	12582719	3711	40.4	8	124.7	CV	45	A		
								12612427									
																	
CADILLAC DIESEL																	
BLS 1.9 D 16V	Z19DTH	2006	1910	4		IN	93185523	1398	27.8	6	114.4	PN	45	K			
								93178588	1399	25.8	6	114.4	PN	45	K		
						IN	55186786	G5S2809	11.06	6.02	47				MS		
					EX		G5S2808	11.03	6.02	47					MS		
CATERPILLAR																	
Eng. 3116-3126 TB-FW						IN	7W8064	1004	46.9	8	177.1	PN	30	A			
							611589										
							1614280										
							EX	1051779	1005	40.0	8	176.8	PN	45	A		
	7W2699																
	6115590																
	1360819																
						IN	9Y8848	G52885	13.03	8.07	75				Gh		
					EX	9Y8848	G52885	13.03	8.07	75					Gh		
CATERPILLAR																	
Eng. 3306 3406 Serial No. 92U1 3408 Serial No. 28V1 3412 Serial No. 60M1-38S1 (206/265 KW) GAS			14600 18000	6 8		IN	4N5654	1066	45.0	9.5	181.4	PN	30	H			
							1152368										
							1W3859										
							2W2622										
							IN	5374 GAS	4038	45.0	9.5	181.4	PN	30	H		
							EX	2W2443 GAS	4039	41.8	9.5	181.4	PN	30	H		
EX	1061111	1067	41.8	9.5	181.4	PN	45	H									
	4N5653																
	1W3860																
	1152367																
						IN	4N2803	G51756	17.51	9.51	82.5				Gh		
					EX	4N2803	G51756	17.51	9.51	82.5					Gh		









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
CATERPILLAR															
D7 / 17 A1 D8 / 13 A - 14A D8 / 35 A1 D 364 D 375 D 386 D 397 D 342		1958 1976		4 6 8 12		IN	8H1993	1070	59.5	12.5	236.0	PN	45	F	
						EX	8H1994	1071	58.0	12.5	236.0	PN	45	F	
							IN EX	7N2051 7N2051	G51757 G51757	23.85 23.85	12.73 12.73	132.4 132.4			Gh Gh
CATERPILLAR															
D 4 D 315 D 6 D 318		1949 1976		4 6		IN	6H3026 4F213	1072	51.5	11	198.0	PN	45	F	
						EX	4F212	1073	47.0	11	198.0	PN	45	F	
															
CATERPILLAR															
D 4 D 330 D 333		1959 1976		4 6		IN	7M7358	1074	48.0	9.5	166.5	PN	30	H	
						EX	7M7359 9M4163	1075	45.0	9.5	166.5	PN	30	H	
							IN EX	5M8023 5M8023	G50545 G50545	16.7 16.7	9.57 9.57	82 82			Gh Gh
CATERPILLAR															
D 9 / 18 A1 19 A 1 34 A 1 D 353 G 353 D379 D 398				6 8 12		IN	7M7817	1076	63.5	12.5	238.5	PN	30	F	
						EX	8H7097 8N3723	1077	60.0	12.5	238.5	PN	30	F	
							IN EX	7N2051 7N2051	G51757 G51757	23.85 23.85	12.73 12.73	132.4 132.4			Gh Gh
CATERPILLAR															
988 922 Eng. D 343 Eng. D 346 Eng. D 348 Eng. D 349						IN	2M6402 1P0407 1N4885	1078	45.0	9.5	152.0	PN	45	H	
						EX	1P1081 7S9345 1P2629 7N9541 2M6403 7E7830 8N3725	1079	41.7	9.5	152.0	PN	45	H	
							IN EX	6N2236 6N2236	G51264 G51264	17.5 17.5	9.53 9.53	71.5 71.5			Gh Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CATERPILLAR																
Eng. 1160 Truck Serial No. 95B1 Eng. 1150 Serial No. 96B1 Eng. 1145 Serial No. 97B1 Eng. 1140 Serial No. 36R1 Eng. 3.208-3204 Serial No. 32Y1 - 32Y99999 3 51Z1 - 40S1 (115/135 KW)			10400	8		IN	9L7682	1080	53.0	9.5	144.5	PN	30	H		
							EX	612979	4130	43.0	8.7	146.0	PN	45	A	
							EX	10618851	1517	43.0	8.7	146.0	PN	30	A	
							EX	9N5125 1196772 9L7683	1081	46.0	9.5	144.5	PN	45	H	
								IN	2P1262	G51239	16.71	9.51	71			Gh
								EX	2P1262	G51239	16.71	9.51	71			Gh
CATERPILLAR																
Eng. 1673 C Serial No. 69D1 - 76R1 - 76R370 Eng. 3306 Serial No. 76R273 977 - 11K - 76j Turbo Engines Eng.D330-D333 Eng.D330C-D333C (206/265 KW)			10500 14600	6		IN	5S6452	1082	51.5	9.5	140.0	PN	30	H		
								7S8809								
								2W2621								
								9N6117								
							EX	5S6449	1083	48.2	9.5	139.0	PN	30	H	
								5S7232 7S6767 8N0875								
	IN	2P1262	G51239	16.71	9.51	71			Gh							
	EX	2P1262	G51239	16.71	9.51	71			Gh							
CATERPILLAR																
D3 Eng. 3240						IN	9N0180	1084	48.0	9.5	150.0	CV	30	H		
							EX	9N0185	1085	45.8	9.4	149.7	CV	45	H	
																
CATERPILLAR																
120 G - 130 G - 518 - 950 - 955 L - D4D - SA - 920 - 930 - 941 B - 951 C - D6C - SA - D7 G - 14 G - 235 - 528 - 571 G - 572 G - 627 B - 637 - 814 - 815 - 816 - 996 C - 9771 - D5 - SA - 12 G - 531 C - 980 B - 16 G - 245 - 621 B - 623 B Eng.3304T-3306T-3406						IN	6N9915	1086	51.5	9.5	136.5	PN	30	H		
								7N0572								
								2W2620								
							EX	7N0573	1087	48.0	9.5	135.0	PN	30	H	
								6N9916 1007861 1487455								
								IN	2P1262	G51239	16.71	9.51	71			Gh
EX	2P1262	G51239	16.71	9.51	71				Gh							
CATERPILLAR																
ENG. C6	C6					IN	2941684	4030	34.5	6.6	144.1	PN	30	A		
							EX	2941685	4031	27.5	6.6	144.0	PN	45	A	
																













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
CATERPILLAR																		
ENG. C4	C4		4400			IN	3096688	4032	35.0	6	108.2	PN	30	K				
							EX	3399637	4033	33.0	6	107.9	PN	45	K			
																		
CATERPILLAR																		
D 8 K			14600	6		IN	1220322	4041	45.0	9.5	184.2	PN	30	H				
							1642543											
							EX	1220321	4040	41.8	9.5	184.2	PN	45	H			
							EX	1642542	4036	41.8	9.5	184.5	PN	45	HP			
																		
CATERPILLAR																		
Eng.3500 Gas						IN	1047184	4043	56.0	9.5	219.0	PN	20	H				
							2102542											
							3074641											
							3089177											
							5008528											
							5008527											
EX	2102529	4042	56.0	9.5	219.0	CV	45	H										
EX	1944897	4044	56.0	12.6	219.0	PN	45	B										
	4432712																	
																		
CATERPILLAR																		
Eng.3408 Gas				8		IN	2120932	4047	45.0	9.5	193.7	PN	20	H				
							EX	2120933	4048	41.8	9.5	193.7	PN	20	HP			
																		
CATERPILLAR																		
Eng. C11 C13	C11 C13		12500	6		IN	2527802	4050	44.5	9.5	188.3	PN	30	H				
							2243028											
							EX	2481467	4051	41.6	9.5	187.3	PN	45	HP			
								2243030										
																		
CATERPILLAR																		
Eng.C2.2	C22		2200	4		IN	3081860	4053	37.0	7	99.5	PN	45	A				
							EX	3081861	4052	33.0	7	99.6	PN	45	A			
								3441624										
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CATERPILLAR																
ENG. C9	C9	2008	8800	6		IN	2418382 2527803	4054	39.0	8	184.5	PN	30	A		
						EX	18383	4125	36.0	9.5	184.6	PN	45	HP		
CATERPILLAR																
D 8 K				6 8		IN	1W1818	4100	59.6	9.3	236.0	PN	45	H		
						EX	1W1819	4101	58.0	9.3	236.0	PN	45	H		
CATERPILLAR																
D 379 B D 398 B D 399 K						IN	1W8606	4102	63.5	9.3	238.5	PN	30	H		
						IN										
						IN										
						EX	1W1822 2W3211	4103	60.0	9.3	238.6	PN	30	H		
CATERPILLAR																
Eng. 3126			7200	6		IN	1457390 2527801	4104	39.9	8	183.1	PN	30	A		
						EX	1478211 1557130	4105	43.0	9.4	199.1	PN	45	H		
CATERPILLAR																
Eng. 3406 C15 C27	C15 C16 C27		15200	6		IN	1537023 2365605	4106	47.1	9.5	201.9	PN	30	H		
						EX	1537024	4107	41.8	9.5	201.9	PN	45	H		
CATERPILLAR																
Eng.3046E						IN	1528380	4108	47.0	9.5	202.0	PN	30	A		
						EX	1527585	4109	41.8	9.5	202.0	PN	45	A		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
CATERPILLAR																			
Eng.3400						IN	1227353	4110	45.0	9.5	181.5	PN	20	H					
						EX	1018314	4111	41.8	9.5	181.5	PN	20	H					
CATERPILLAR																			
3304 G 3306 G						IN	7W7490	4112	51.3	9.5	163.6	PN	30	H					
						EX	7W7491	4113	48.1	9.5	162.5	PN	30	H					
CATERPILLAR																			
Eng.C9	C9		8800	6		IN	1632442 1874123	4114	36.0	9.4	184.4	PN	25	H					
						EX	1883122	4115	36.0	9.4	183.0	PN	45	H					
CATERPILLAR																			
Eng.3044 Eng S4S						IN	2335469	4116	44.0	8	120.1	PN	30	B					
						EX	35470	4117	35.0	8	120.0	PN	30	B					
CATERPILLAR																			
Eng. 3508 Eng. 3512 Eng. 3516						IN	7E4609 1219839	4118	56.0	9.5	219.0	CV	30	H					
						EX	7E4609 1219839	4118	56.0	9.5	219.0	CV	30	H					
						IN	2P1262	G51239	16.71	9.51	71				Gh				
						EX	2P1262	G51239	16.71	9.51	71				Gh				
CATERPILLAR																			
Eng D320						IN	9H4811 9H1087	4119	43.1	9.4	150.1	PN	30	H					
						EX	2M7727	4120	39.9	9.4	150.1	PN	30	H					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
CATERPILLAR																		
Eng.3116						IN	1632431	4121	46.9	8	177.1	PN	30	A				
						EX	1632432 1577126	4122	40.0	8	176.8	PN	45	A				
CATERPILLAR																		
Eng.3066						IN	517738	4123	44.0	8	134.0	PN	30	B				
						IN	28477	4049	46.0	8	134.1	PN	30	B				
						EX	517739	4124	37.0	8	133.9	PN	30	B				
CATERPILLAR																		
Series 3000 Eng.3034			2602 2956	4		IN	1888640	5441	44.0	7	106.4	PN	45	K				
						EX	1529857	5442	37.2	7	106.5	PN	45	K				
CATERPILLAR																		
ENG. PERKINS 1104 1106	1104 1106	2007		4 6		IN	2255495	6515	46.4	9	129.1	PN	30	A				
						EX	55499	6516	41.6	9	129.2	PN	30	A				
CATERPILLAR																		
C10-C12-C15 Eng. 3176	C10 C12 C15		15200	6		IN	7E9578 7C5215 1242692 1929213 1570672	15158	44.9	9.4	174.0	PN	30	H				
						EX	1337029 7C1586 1570671	15159	41.9	9.4	174.0	PN	45	H				
CHRYSLER																		
PT Cruiser 1.6 i 16V Neon 1.6 i 16V Eng.R50 (Tritec)	R50	2003	1598	4		IN	04777770AB 11341485585	3407	30.3	6	109.0	CV	45	K				
						EX	04777772AC 04777772AB 11347829943	3408	23.3	6	117.8	PN	45	A				








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
CHRYSLER															
300 C 3.5 V6		2006	3518	V6		IN	4663836AA	4195	36.5	7	114.7	PN	45	K	
							EX 4892094AA	4196	29.0	7	126.5	PN	45	K	
															
CHRYSLER															
Vision 3.5 V6			3518	V6		IN	04663345	4197	35.0	7	114.7	CV	45	K	
							EX 04663347	4203	29.0	7	126.0	PN	45	K	
							EX 4663902	4209	27.8	6	106.2	PN	45	K	
															
CHRYSLER															
Voyager 3.3 V6 Voyager 3.8 V6			3301 3778	6		IN	04448052	4198	45.5	8	125.3	CV	45	H	
							EX 04621116	4199	37.5	8	126.3	CV	45	Z	
															
CHRYSLER															
Stratus 2.5 24V			2497	6		IN	MD301193	4200	33.0	6	112.5	CV	45	A	
							EX MD306183	4201	29.0	6	114.0	CV	45	A	
															
							G52789	11.11	6	45.5				Gh	
							G52850	11.11	6	50.5				Gh	
CHRYSLER															
300 3.5 V6 (187 KW)			3518	V6		IN	04663836	4202	36.5	7	114.7	PN	45	K	
							EX 04663347	4203	29.0	7	126.0	PN	45	K	
															
CHRYSLER															
Neon 2.0 16V Stratus 2.0 16V			1996	4		IN	04648615	4204	33.2	6	114.9	CV	45	A	
							EX 04648613	4205	28.7	6	117.2	CV	45	A	
															











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	K	M.		
CHRYSLER																	
PT Cruiser 2.0 16V PT Cruiser 2.4 16V Neon 2.0 16V Voyager 2.4 16V Sebring 2.0 16V Sebring 2.4 16V Stratus 2.4 16V ENG.ECC-EDZ-EDV	ECC	2000	1996	4		IN	04667969AB	4206	34.8	6	111.6	CV	45	K			
	ECZ	2003	2429	04884691AA													
	EDV	2006															
							EX	04884690AA 050737737AA 04777898AA 4884690AA	4207	28.5	6	109.8	CV	45	K		
						IN	4667411	G5S2904	11.08	6	44				MS		
						EX	4667411	G5S2904	11.08	6	44				MS		
CHRYSLER																	
300 M 2.7			2736	V6		IN	04663899	4208	33.9	6	108.2	CV	45	K			
								EX	04663347	4203	29.0	7	126.0	PN	45	K	
																	
CHRYSLER																	
Sebring 2.7 V6 24V		2003	2736	V6		IN	04663899	4208	33.9	6	108.2	CV	45	K			
								EX	04663902	4209	27.8	6	106.2	PN	45	K	
																	
CHRYSLER																	
Gran Voyager 3.3 AWD		2003	3301	V6		IN	04781025AA	4210	48.0	7	126.3	CV	45	Z			
								EX	04781029AB	4211	35.5	7	127.6	CV	45	Z	
																	
CHRYSLER																	
Dodge Dakota Ram Changer Eng. 238 CE (from 1989 to 1997)	238CE	1989 1997	3900	V6		IN	53006723	4250	48.8	7.9	124.5	CV	45	A			
								EX	53006724	2643	41.3	7.9	124.4	CV	45	A	
																	
CHRYSLER DIESEL																	
PT Cruiser 2.2 CRD 16V Eng.OM664 (Mercedes)	OM664	2003	2148	4		IN	05073735AA	2792	30.1	7	104.0	PN	45	A			
								EX	05073738AA 05073737AA	2793	28.4	7	104.4	PN	45	A	
							IN	05080044AB	G5S2681	12.56	7	37.5				MS	
						EX	05080044AB	G5S2681	12.56	7	37.5				MS		









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
CHRYSLER DIESEL																
Sebring 2.0 CRD 16V	ECD	2008	1968	4		IN	68001582AA	3120	29.1	6	87.8	PN	45	K		
							EX	68001583AA	3121	25.4	6	87.5	PN	45	K	
																
CHRYSLER DIESEL																
Voyager 2.5 CRD Gran Voyager 2.5 CRD Voyager 2.8 CRD Gran Voyager 2.8 CRD Eng.HR425-HR428 Eng.RA425-RA428	HR425 HR428 RA425 RA428	2003 2006	2499 2776	4		IN	05066770AA	4216	32.4	6	109.0	PN	45	K		
							EX	05066769AA	4217	30.9	6	108.3	PN	45	K	
								IN	5066773AA	G5S2902	11.03	6.01	44.5			
						EX	5066773AA	G5S2902	11.03	6.01	44.5				MS	
CHRYSLER DIESEL																
300 C CRD 24V V6 Eng. Mercedes		2006	2987	V6		IN	05175396AA	4218	28.5	6	102.3	PN	45	K		
							EX	05175397AA	4219	25.4	6	102.3	PN	45	K	
										G5S2816	11.56	6	34.4			
								G5S2816	11.56	6	34.4				MS	
CHRYSLER DIESEL																
Chrysler 2.8 CRD Eng.ENS	ENS	2007	2777	4		IN	68027469AA	4220	31.8	6	107.6	PN	45	K		
							EX	68027470AA	4221	29.2	6	107.8	PN	45	K	
								IN	5066773AA	G5S2902	11.03	6.01	44.5			
						EX	5066773AA	G5S2902	11.03	6.01	44.5				MS	
CHRYSLER U.S.A.																
Delta 2.0 Mjt	198A5000	2011	1956	4		IN	55195535 46802049	1398	27.8	6	114.4	PN	45	K		
							EX	55202557	1399	25.8	6	114.4	PN	45	K	
								IN	55186786	G5S2809	11.06	6.02	47			
						EX	55186786	G5S2808	11.03	6.02	47				MS	
CHRYSLER U.S.A.																
Chrysler 200 Chrysler 300 Dodge Challenger Dodge Charger Dodge Durando Dodge Journey RAM 1500		2014 2015	3600	V6		IN	05184127AC	2644	39	6	116.4	PN	45	K		
							EX	05184128AE	2645	30	6	115.7	PN	45	K	
																













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CHRYSLER U.S.A.																
Grand Voyager Dodge RAM Dodge Durango Eng.HG-HB-LE-LX	HG HB LE LX	2008	5700	8		IN	53021550AA	4212	50.8	8	125.2	CV	45	K		
							EX	53021551AA 53021551AB	4213	39.4	8	123.1	CV	45	K	
																
CHRYSLER U.S.A.																
Sebring 2.0 16V Sebring 2.4 16V Caliber 1.8 16V	ED3 ECN EBA	2007 2011	1800 2000 2360	4		IN	KK05047068AA KK05047068AB	4224	35.0	5.5	113.2	CV	45	A		
							EX	KK05047069AA KK05047069AB	4225	29.0	5.5	105.8	CV	45	A	
																
CHRYSLER U.S.A.																
Chrysler 2.2			2200	4		IN	4105579	4226	40.5	8	112.2	CV	45	L		
							EX	5214866	4227	35.3	8	112.9	CV	45	Z	
																
CHRYSLER U.S.A.																
Chrysler 2.2 New Model			2200	4		IN	4298131	4228	40.5	8	114.4	CV	45	L		
							EX	4298142	4229	35.3	8	114.9	CV	45	Z	
																
CHRYSLER U.S.A.																
Chrysler 3.3 Chrysler 3.8			3300 3800	6		IN	4448052	4230	45.5	8	125.8	CV	45	H		
							EX	4621115	4231	37.4	8	126.3	CV	45	Z	
																
CHRYSLER U.S.A.																
Chrysler Eagle Premier			3000	6		IN	T1464556	5229	45.3	8	112.3	CV	45	A		
							EX	464557	1273	39.0	8	111.7	PN	45	A	
																








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
CHRYSLER U.S.A.																		
Chrysler Mitsubishi Eng.				4		IN	MD075925	6118	38.0	8	103.5	CV	45	A				
							EX	MD075927	6119	31.0	8	100.0	PN	45	A			
CHRYSLER U.S.A.																		
Chrysler 2.6			2600	4		IN	MD024518	6127	46.0	8	110.3	CV	45	B				
							IN	083848	6125	46.0	8	108.3	CV	45	A			
							EX	MD024519	6128	38.0	8	108.0	CV	45	B			
							EX	MD083851	6126	38.0	8	105.5	CV	45	A			
CITROEN																		
Diane 6 Mehari 4x2 / 4x4 / Azur Eng. AYB Ami 6-8 Eng. 28 2 CV 6 Special / Club Acadiane Eng. 602 LN Eng. R06 / 627 (19/24 KW)	602 627 AYB	1968 1968 1979 1976	602	2		IN	AM1247E	0122	40.0	8	88.5	CV	30	K				
							EX	95536027	0123	34.0	8.5	87.1	CV	45	K			
								AM1248D 5457476										
CITROEN																		
C 25 1.8 Eng. XM7T C 25 2.0 Eng. XN1T (57 KW)	XM7T XN1T	1981	1796 1971	4		IN	91510548	0618	42.6	8	118.6	CV	30	A				
							EX	91520847	0611	35.5	8	112.0	PN	45	A			
						IN		G52328	14.29	8	55			Gh				
						EX		G52328	14.29	8	55			Gh				
CITROEN																		
LNA 4CV Visa Super E / L LNA 1.0-1.1 RE / RS 4-6-CV Visa 11 RE Samba LS / GL Eng. 109 - 129 - 5 BX 11 - C 15E Eng. A-XY 6C BX 14 E / TRE Visa Super X Visa GT / Chrono XT Visa 14 TRS - C 15 E Eng. 150 D / XY BX 1.4 E / RE BX - Samba S BX 14 Eng. XY (37-59)	109 129 150	1978 1982 1983 1984 1986 1987	954 1124 1361	4		IN	95563504	0624	36.8	8	113.4	CV	30	A				
							EX	7910030808	0625	29.3	8	113.6	CV	45	A			
								95551308 094942 7910025378 7910025377										
													IN	220510	G51956	13.07	8.01	47.5
						EX	220510	G51956	13.07	8.01	47.5			Gh				






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
CITROEN															
CX Athena / Break / Familiare / Pollas / Reflex CX 20 RE / TRE / GT Eng. 829 - A5 CX 22 RS / TRS Eng. J6TA500 (78/85 KW)	J6TA500	1979 1985	1995 2165	4		IN	95536524	0635	43.9	8	112.0	PN	30	A	
						EX	95536523	0659	38.6	8	111.4	PN	45	A	
						IN		G51961	13.05	8.01	51				Gh
						EX		G51961	13.05	8.01	51				Gh
CITROEN															
AX 10 E / RE / TRE Eng. TU9 Saxo 1.0 (33 KW)		1986 1999	954	4		IN	97531079 97531079	0818	34.7	7	112.8	PN	30	A	
						EX	97531046 094958	0819	27.7	7	112.6	PN	45	A	
						IN	0220-59	G52314	13.06	7	47.5				Gh
						EX	0220-59	G52314	13.06	7	47.5				Gh
CITROEN															
BX 1.6 / RS / TRS / S / RE / TRI Eng XU51C Visa GTI Eng. 180A (XU5J) (44/77 KW)	XU51C	1984	1580	4		IN	91537492 91512944 094847 91512096	0828	40.0	8	109.0	PN	45	A	
						EX	91513446 91537493 91508631 094952	0817	32.0	8	108.7	PN	45	A	
						IN	0220-64	G52298	13.07	8.01	38.7				Br
						EX	0220-72	G52301	13.07	8.01	45				Br
CITROEN															
BX 19 GT / TRI Eng. 159A (XU9S) (77 KW)	XU9S	1984	1905	4		IN	91518971	0830	39.5	8	105.2	PN	45	A	
						EX	91518972	0831	33.0	8	105.2	PN	45	A	
						IN	0220-64	G52298	13.07	8.01	38.7				Br
						EX	0220-72	G52301	13.07	8.01	45				Br
CITROEN															
XM 2.0 1 XM Ambiance / Harmonie Eng. XU102C / J2 / J2Z Xantia SX / VSX XM 2.0 Automatica XM 2.0 Turbo Xantia 2.0 Turbo Evasion 2.0 Evasion 2.0 CT	XU10J2TE XU10J2Z XU102C RFU	1989 1990	1989 1998	4		IN	9606070180 96059361 094866	0840	42.6	8	108.8	PN	45	K	
						EX	9614703280 094972 96059362 9606070480 094976	0841	34.5	8	108.4	PN	45	K	
						IN	0220-85	G52419	13.07	8.01	43.6				Br
						EX	0221-21	G52422	13.07	8.01	50.6				Br















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.							
CITROEN																						
AX 1.1 TRE / RE Eng. TU1 Berlingo 1.1 C15 1.1-1.4 Eng. TU1M Saxo 1.0-1.1-1.4 AX Sport AX 1.4 TJS / TRS TZX Allure AX GT Eng. TU 3 / S AX XT ZX Reflex ZX Advantage / Aura Eng. TU 3 MZ / 2K AX 1.4 TGS / 4x4 / Turbo ZX Tilt 1.1-1.4i. ZX Break - Ti Nemo 1.4	TU1M TU3 TUJFZ KFV	1986 1987 1991 1993 1999 2004 2011	1124 1294 1360	4		IN	094891	0849	36.7	7	112.8	CV	45	A								
							97531080 094858	0838	36.7	7	112.8	PN	30	A								
							97531044 094959	0839	29.2	7	112.6	PN	45	K								
							 IN	0220-59	G52314	13.06	7	47.5									Gh	
							EX	0220-59	G52314	13.06	7	47.5									Gh	
CITROEN																						
Eng. KFW Berlingo 1.4 AX 1.4 XSI-GTI / Allure Eng. TU3F - J2K Saxo 1.6 Xsara 1.6 Xsara 1.6 Picasso (69 KW)	TU3FJ2K TU5JPKFW	1991 1999	1361 1587	4		IN	96096851 094873 96101886	0850	39.4	7	111.7	CV	30	K								
							094893	0872	39.4	7	111.7	CV	45	K								
							96096852 96101887 094970	0851	31.3	7	111.5	PN	45	K								
							 IN	0220-84	G52441	13.07	7	48.5									Br	
							EX	0220-84	G52441	13.07	7	48.5									Br	
CITROEN																						
Evasion 2.0 16V Xantia 1.8 16V FROM 07360 XM 2.0 16V Xsara 1.8 i 16V		1999 2001	1998 1761	4		IN	094892	0854	34.6	6	106.4	PN	45	A								
							EX	0949A6 094992	0855	29.6	6	105.7	PN	45	A							
 IN	0221-25	G52644	12065	6	40.8									Br								
EX	0221-24	G52646	12065	6	40.8									MS								
CITROEN																						
Saxo 1.6 16V VTS (72/87 KW) Eng. NFX (TU5J4)	NFX TU5J4	1999	1587	4		IN	094883	0858	28.7	6	104.4	CV	45	A								
							EX	094989	0859	24.6	6	104.2	CV	45	A							
 IN	0220-95	G52654	11.06	6	40									Br								
EX	0220-95	G52654	11.06	6	40									Br								
CITROEN																						
Xsara Picasso 1.8 16V C5 1.8 16V Eng. 7J4-6FZ	7J4 6FZ	2001	1749	4		IN	0948A4	0873	29.8	6	106.0	PN	45	A								
							EX	0949A4	0874	27.3	6	104.0	PN	45	A							
 IN	0221-25	G52644	12065	6	40.8									Br								
EX	0221-24	G52646	12065	6	40.8									MS								













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CITROEN																
C4 2.0 16V Xsara Coupè 20 16V Eng.RF8 C5 2.0 16V Eng. RFN Evasion 2.0 16V Eng. RFN-RFV Xsara Picasso 2.0 16V Eng.DW10TD JUMPY 2.0 16V Eng.EW10J4	RF8 RFN RFV DW10TD EW10J4	2001 2004	1997	4		IN	094899	0875	33.3	6	106.1	CV	45	A		
						EX	094999	0876	28.9	6	103.6	PN	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
CITROEN																
C5 2.0 16V HPI Eng. RLZ-EW10J4 (103 KW)	RLZ EW10J4	2001 2006	1998	4		IN	0948A7 0948C6	0877	32.4	6	105.1	CV	45	A		
						EX	0949A7 0949C2	0878	29.2	6	102.7	CV	45	A		
						IN	0221-25	G52644	12065	6	40.8					Br
						EX	0221-24	G5S2646	12065	6	40.8					MS
CITROEN																
C8 2.2 16V Eng. EW12J4	EW12J4	2003	2179	4		IN	0948A1 0948C5	0883	35.1	6	106.0	CV	45	A		
						EX	0949A2	0884	30.9	6	102.9	CV	45	A		
						IN	0221-24	G5S2646	12065	6	40.8					MS
						EX	0221-24	G5S2646	12065	6	40.8					MS
CITROEN																
Xsara VTS 16V	XU10J4RS	1997	1998	4		IN	094882	0887	34.1	6	106.4	CV	45	A		
						EX	094987	0888	30.7	6	105.3	CV	45	A		
						IN	0220-96	G52833	12.06	6	40.8					Br
						EX	0220-96	G52833	12.06	6	40.8					Br
CITROEN																
Berlingo 1.6 16V (81 KW) Xsara Coupé 1.6 16V C2 1.6 16V C3 1.6 16V C4 1.6 16V	TU5JP4	2001 2004 2006	1587	4		IN	0948E0 0948A9	0889	31.2	6	103.7	CV	45	A		
						EX	0949A8 0949C5	0859	24.6	6	104.2	CV	45	A		
						IN	0220-95	G52654	11.06	6	40					Br
						EX	0220-95	G52654	11.06	6	40					Br
CITROEN																
Xsara 1.8 i 16V ZX 1.8 i 16V Xantia 1.8 i 16V Eng.LFY (XU7JP4) UP TO 07359 Xantia 2.0 i 16V XM 2.0 i 16V	LFY XU7JP4 RFV XU10J4R	1997	1761	4		IN	094875	0892	34.6	7	106.4	PN	45	K		
						EX	094981	0893	29.6	7	105.8	PN	45	K		
						IN	0220-73	G52332	12.07	7	40					Br
						EX	0221-19	G52334	12.07	7	40					Br









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.		
CITROEN																	
C4 1.4 16V C2 1.4 16V	ET3J4	2004	1360	4		IN	0948C8	0896	28.3	5.5	100.8	CV	45	K			
							EX	0949C4	0897	24.3	5.5	101.1	CV	45	K		
																	
CITROEN																	
Xantia 1.8 i. 16V BX 1.9 16V GTI ZX 16V 2.0 XM 2.0 16V Xantia SX 2.0i. 16V (81/97/116 kW)	D6A XU9J4	1987 1988 1995	1761 1905 1998	4		IN	91540748	2012	34.6	7	106.4	PN	45	K			
							EX	96172795 91540782 094962	2013	29.6	7	105.8	PN	45	K		
						IN	0220-73	G52332	12.07	7	40			Br			
					EX	0221-19	G52334	12.07	7	40				Br			
CITROEN																	
Visa GTI - GTI 8 CV BX 16 RS / TRS ZX Aura Xantia 1.6 ZX 1.6 ZX Break Avantage Xantia XS ZX 1.8 / Break Avantage Xantia 1.8 Autom. / XS BX 19 TRS / TRI BX 4x4 Break R Volcano Xsara 1	XU5JA XU5M D29 XU92C XU9CXU9M XU9JA/Z XU7JB	1985 1987 1988 1991 1993 1997 1999	1580 1761 1905	4		IN	91535017	2014	41.6	8	108.8	PN	45	A			
							EX	91535019 91537468 094856 094887	2015	34.5	8	108.4	PN	45	A		
						IN	0220-64	G52298	13.07	8.01	38.7			Br			
					EX	0220-72	G52301	13.07	8.01	45				Br			
CITROEN																	
DS3 DS5 C4 Picasso	EP6DT EP6DTF EP6CDT EP6CDTM	2006	1587	4		IN	0948E8	2250	28.8	5	105.7	CV	45	K			
							EX	0949E2	2251	26.0	5	110.3	CV	45	K		
																	
CITROEN																	
Jumper 33 2.0		2004	1998	4		IN	0948A6	2252	41.6	8	109.3	PN	45	A			
							EX	094957	2015	34.5	8	108.4	PN	45	A		
																	
CITROEN																	
C1 1.0	384F 1KFRE	2006 2010	998	3		IN	0948E2	2253	27.4	5	88.4	CV	45	A			
							EX	0949C8	2254	23.6	5	89.2	CV	45	A		
																	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CITROEN																
DS4 DS5 C4 Picasso	EP3C EP6CDTX	2006	1300 1587	4		IN	0948G4	2255	29.7	5	95.1	CV	45	K		
							EX	0949E2	2251	26.0	5	110.3	CV	45	K	
																
CITROEN																
C3 DS3	EB2 EB2M	2013	1200	3		IN	9676359080	2268	29.1	5	92.6	PN	45	A		
							EX	9676359180	2269	26.0	5	91.8	PN	45	A	
																
CITROEN																
C5 3.0 V6 24V Eng. XFX-XFW C8 3.0 V6 24V (152 KW)	XFX XFW	2001 2002	2946	V6		IN	0948A5	2946	35.0	6	108.4	PN	45	A		
							EX	0949A5	2947	30.5	6	106.9	PN	45	A	
																
CITROEN																
C3 DS3 Berlingo C4Picasso C5 DS4 C3 Picasso	EP3C EP6C	2007	1397 1596	4		IN	0948F9 753388480 0949F6 753388580	3404	30.0	5	97.0	CV	45	K		
							EX	0949F6	3405	25.1	5	110.8	CV	45	K	
																
CITROEN																
C4 ALLCROSS	SFZ 4B11 4B12	2008	1998 2400	4		IN	0948F2	4224	35.0	5.5	113.2	CV	45	A		
							EX	0949E7	4225	29.0	5.5	105.8	CV	45	A	
																
CITROEN DIESEL																
AX 14 D / RD / TRD Eng. TUD 3 (39 KW)	TUD3	1988	1361	4		IN	95638449 96012815	0128	35.5	7	108.5	PN	45	A		
							EX	95638450 96012816	0129	30.5	7	108.0	PN	45	A	
																
						IN	0220-91	G52438	13.07	7	40.2				Br	
						EX		G52435	13.07	7	42.8				Br	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.							
CITROEN DIESEL																						
AX 1.5 DX Saxo 1.5 D ZX 1.5 D (43 KW)	TUD5	1994 1999	1527	4		IN	0948A8	0814	37.0	7	108.4	PN	45	A								
							96150145 094874															
							EX	96150144 094980	0815	31.5	7	108.2	PN	45	A							
							IN	0220-91	G52438	13.07	7	40.2						Br				
							EX	0220-91	G52438	13.07	7	40.2						Br				
CITROEN DIESEL																						
Visa 17 D / RD BX 17 D / RD - C 15 D Eng. XDU 7 BX 17 DTR Eng. XDU 7 - TE - Turbo ZX Break Eng. XUD 7 ZX Volcano Eng. XDU 9A BX 19 D / RD / TRD BX 19 Break Eng. XDU 9 Xantia 1.9 D / DX / SX / TD / VSX ZX 1.9 D / TD / Break Evasion 1.9 TD (44-81)kW Xsara 1	XUD7 XDU7TE XUD9TF DW8	1983 1983 1984 1986 1988 1991 1993 1994	1769 1905 2088	4		IN	93501070	0820	38.0	8	112.5	PN	30	A								
							93501279 094846															
							094859															
							IN	094863 094894	0816	38.5	8	112.5	PN	45	A							
							EX	93510774 094973 96272853 96005392 93510773 93501280 93501280 96137360	0821	33.0	8	112.0	PN	45	A							
							IN	0220-55	G52053	14.06	8.01	50					Br					
							EX	0220-55	G52053	14.06	8.01	50					Br					
							CITROEN DIESEL															
							Xantia 2.1 TD 12V XM 2.1 TD / XM D 12 3V Ambiance / Harmonie D 12 3V (61/81 KW) Evasion 2.1 TD	XUD11A XUD11BTE	1989 1995	2088 2138	4		IN	96007817	0844	33.9	8	122.3	PN	45	K	
														96008334 094868								
094968																						
EX	96042957 96079213	0845	33.9	8	121.9	PN								45	K							
IN	0220-55	G52457	13.07	8.01	54.5												Br					
EX	0220-55	G52457	13.07	8.01	54.5					Br												
CITROEN DIESEL																						
Jumper 27 2.5 TDI	DJ5TED	2001	2446	4		IN	094884	0846	41.0	7	115.6	PN	45	K								
							EX									094990	0847	37.7	7	115.4	PN	45
							IN	0220-93	G52529	13.05	7.01	54					Br					
							EX	0220-93	G52529	13.05	7.01	54					Br					
CITROEN DIESEL																						
DS4 DS5 2.0 Hdi 16V	RHH DW10C- TED4	2011	1997	4		IN	0948F6	0848	27.3	6	104.5	PN	45	K								
							EX	0949A3	0880	24.9	6	105.0	PN	45	K							
IN	0220-A2	G5S2750	10065	6.01	41.5					MS												
EX	0220-A2	G5S2750	10065	6.01	41.5					MS												



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
CITROEN DIESEL																	
XM 2.5 TD Jumper 31 2.5 D 12V			2446	4		IN	094872	0852	36.9	7	127.8	PN	45	K			
							96095457										
							EX	094979	0853	36.9	7	127.5	PN	45	K		
							96096146										
						IN	0220-93	G52529	13.05	7.01	54				Br		
				EX		0220-93	G52529	13.05	7.01	54					Br		
CITROEN DIESEL																	
Evasion 1.9 TD Hdi Evasion 2.0 HDi Xantia 2.0 HDi Xsara 1.9 TD DW10 Berlingo 2.0 HDi C5 2.0 HDi Jumpy 2.0 HDi (80 KW) XSARA 2.0 HDi XSARA PICASSO 2.0 HDi C5 2.0 Hdi 16V Jumper 29-33 2.0 Hdi Jumper 33-35 2.2 Hdi	DV10 DW10ATED	1999 2001 2003 2006	1905	4		IN	094895	0856	35.6	6	107.1	PN	45	K			
							EX	094996	0857	33.8	6	107.1	PN	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS		
				EX		0220-A2	G5S2750	10065	6.01	41.5					MS		
CITROEN DIESEL																	
C4 2.0 HDi 16V C5 2.0 HDi 16V Eng.DW10BTED4 FAP C5 2.2 16V Hdi BiTurbo Eng. 4HX C8 2.2 16V HDI	DW10BTE- D4FAP DW12TE- D4FAP 4HX	2002 2004 2006 2008	2179	4		IN	0948A3	0879	29.8	6	105.0	PN	45	K			
							EX	0949A3	0880	24.9	6	105.0	PN	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS		
				EX		0220-A2	G5S2750	10065	6.01	41.5					MS		
CITROEN DIESEL																	
Evasion 2.0 Hdi 16V Jumpy 2.0 Hdi C8 2.0 Hdi 16V	RHW DW10ATE- D4FAP	2001 2004	1997	4		IN	0948C0	0881	29.9	6	106.2	PN	45	K			
							0948C0										
							EX	0949A9	0882	25.0	6	106.2	PN	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS		
				EX		0220-A2	G5S2750	10065	6.01	41.5					MS		
CITROEN DIESEL																	
Xsara 1.4 HDi C3 1.4 HDi C2 1.4 HDi C1 1.4 HDi Nemo 1.3 Hdi	DV4TD 8HR 8HS	2003 2010	1248 1398	4		IN	0948C2	0894	32.8	5.5	97.3	CV	45	K			
							EX	0949B1	0895	30.3	5.5	97.3	PN	45	K		
																	
CITROEN DIESEL																	
C3 1.6 HDi 16V C4 1.6 HDi 16V C5 1.6 HDi 16V Xsara 1.6 HDi 16V Picasso 1.6 HDi 16V Berlingo 1.6 HDi 16V (66-80Kw) Eng.DV6TED4-9HX	DV6TED4 9HX	2004 2005 2010	1560	4		IN	0948C7	0898	25.6	5.5	96.4	CV	45	K			
							EX	0949C3	0899	23.4	5.5	96.6	PN	45	K		
						IN		G52836	9.55	5.51	34				Gh		
				EX			G52836	9.55	5.51	34					Gh		



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.		
CITROEN DIESEL																	
Jumper 2.2 HDI 16V	4HU22DT	2006	1797 2198	4		IN	0948E6	1271	29.7	7	122.2	PN	30	K			
							EX	0949E3	1272	25.7	7	122.2	PN	45	K		
								IN EX	XS7Q6510AC XS7Q6510AC	G52944 G52944	12.06 12.06	6.98 6.98	51.5 51.5				Gh Gh
CITROEN DIESEL																	
C3 1.4 Hdi 16V	DV4TED4	2004	1398	4		IN	0948C4	2256	24.3	5.5	96.4	PN	45	K			
							EX	0949C1	2257	22.4	5.5	96.5	PN	45	K		
																	
CITROEN DIESEL																	
C5 Biturbo 16V Hdi C8 Biturbo 16V Hdi		2006 2008	2179	4		IN	0948E5	2258	27.2	6	95.8	PN	45	K			
							EX	0949E1	2259	25.0	6	95.0	CV	45	K		
								IN EX	0220-A2 0220-A2	G5S2750 G5S2750	10065 10065	6.01 6.01	41.5 41.5			MS MS	
CITROEN DIESEL																	
DS5 1.6 Hdi DS4 1.6 Hdi DS3 1.6 Hdi C3 1.6 Hdi C4 1.6 Hdi C5 1.6 Hdi	9HR 9HL DV6C	2010 2011	1560	4		IN	0948F7	2274	30.2	5.5	95.5	PN	45	K			
							EX	0949F5	2275	27.5	5.5	95.5	PN	45	K		
																	
CITROEN DIESEL																	
Jumper 31 2.8 D Sofim		2001	2800	4		IN	094896	2668	43.4	8	121.8	PN	30	A			
							EX	0949A0	2671	36.0	8	122.0	PN	45	A		
																	
CITROEN DIESEL																	
CX 2200 Diesel C 35 / CX 2500 D / Break S Eng. M22 / 621 CX 2500 D / Confort / Familiare / Pallas / Prestige / Break / Super CX 25 RD / TRD C 25 / C 35 D Eng. M25 / 629 Eng. M25 / 660 CX 2500 TD / Break / Familiare / Pallas C 25 TD Eng. M25 / 64	M22 M25	1975 1978 1980	2175 2482	4		IN	5478734	2700	42.2	8	121.4	PN	45	K			
							95493872										
							95569116										
							EX	5457479	2701	35.0	9	121.4	PN	45	K		
							95569117										
								IN EX	5414143 5414141	G51237 G51238	13.06 13.06	7.99 8.99	55 57			Gh Gh	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
CITROEN DIESEL																	
Jumper 31 2.8 TD Sofim Jumper 33-35 2.8 Hdi	814043N	2001 2004	2798	4		IN	0948A2	2705	41.0	8	121.0	PN	30	A			
						EX	0949A0	2671	36.0	8	122.0	PN	45	A			
CITROEN DIESEL																	
Jumper 40 3.0	F1CE0481	2014	2998	4		IN	0948F1 0948G7	5640	32.4	6	119.9	PN	30	K			
						EX	0949E6 0949G1	5641	32.3	6	119.9	PN	30	K			
						IN		G5S2811	10.03	6.02	49			MS			
					EX		G5S2811	10.03	6.02	49				MS			
CUMMINS																	
H & N All Models ON		1958		4 6 12		IN	150288 68276	1964	44.5	10.3	179.0	PN	30	H			
						EX	144911	1964	44.5	10.3	179.0	PN	30	H			
CUMMINS																	
Eng. NH 230 . 230B. 250. 250B / C / P Eng. NHC 250 Eng. NHD 230 Eng. NHE 220. 225. 225B Eng. NHF 240. 265 Eng. NHH 250 Eng. NHCT Eng. NTCC 250S. 290. 350 Big Cam Engines Eng. NHCT - CT / 270 Eng. NTC 270 CT / E. 290 Power Torque 270 Eng. Formu	NH	1960	9640 14011 23171	6 12		IN	3040830 3000926 135957 145701	1966	47.5	11.5	179.5	PN	30	H			
						EX	145701 3040830	1966	47.5	11.5	179.5	PN	30	H			
						IN	147967	G51420	19.1	11.5	87.3			Gh			
					EX	147967	G51420	19.1	11.5	87.3				Gh			









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
CUMMINS														
4B - 6B- 6BT Ford Cargo Hyster Hyunday 4B Turbo 6B Turbo Eng.F4GE	F4GE	2006 2010		4 6		IN	3920867	1968	45.0	8	129.2	PN	30	A
							3901117							
							3802355							
							EX	4899632	4312	42.0	8	130.5	PN	45
EX	3920868	1969	42.0	8	129.0	PN	45	A						
														

CUMMINS														
6C 6CT VolksWagen Ford Cargo Hyunday				6		IN	3924472	1970	52.0	9.5	151.0	PN	30	A
							3924492							
							3802275							
							EX	3921444	1971	46.0	9.5	150.9	PN	45
							3902254							
							3802085							

CUMMINS															
Eng. K Series Model KTA (88 KW)			5760	6 12 16		IN	207241	4300	56.4	12.6	191.8	PN	30	A	
							3088393								
							EX								3088391
														3035110	
															

CUMMINS																						
Eng. V 352. V6 - 140 Eng. V 378. V6 - 155 Eng. V 470. V8 - 185 Eng. V 504. V8 - 210 Eng. V 555. VT 555. V8 - 255		1963	5768 6194 7702 8259 9095	6 8		IN	166774	4301	40.5	9.7	141.5	CV	30	B								
							EX								3275356	1967	40.8	9.6	141.4	PN	30	A
															3275355							
																						

CUMMINS															
Eng. N14						IN	3803854	4302	47.6	9.6	196.8	PN	20	A	
							3084045								
							EX								3166410
														3800891	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
CUMMINS																
Eng. ISX						IN	4965868 4059326 3685996	4304	47.6	9.6	216.0	PN	20	A		
						EX	4101454	4305	45.5	9.6	223.8	PN	45	A		
CUMMINS																
C SERIES GAS-EPG				6		IN	3802813 3927254	4306	52.0	9.5	151.0	PN	20	AP		
						EX	3927255 3802812	4307	46.0	9.5	150.9	PN	20	A		
CUMMINS																
Eng. V / 8 250 - V / 6 186 - 200 - 210 ON		1965		6 8		IN	216707 138886	4308	48.0	11.5	168.0	PN	30	H		
						EX	138887	4308	48.0	11.5	168.0	PN	30	H		
CUMMINS																
Eng G14 - GTA 855 GAS	GTA855	2012	14000	6		IN	3394112	4311	47.6	11.5	200.2	PN	20	H		
						EX	3394112	4311	47.6	11.5	200.2	PN	20	H		
CUMMINS																
Eng. 5.9 ISB TD 24V				6		IN	3940735	5626	33.0	7	124.6	PN	30	A		
						EX	3940734 3968183	5627	33.0	7	124.3	PN	45	A		
CUMMINS																
Eng. N14						IN	3068519	15406	47.5	9.6	196.2	PN	30	A		
						EX	3070473 3803726 3803425 3069672 3406657	15406	47.5	9.6	196.2	PN	30	A		









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
CUMMINS																
Eng. L 10 - 240						IN	3033234	15409	42.5	9.45	176.4	CV	32	A		
							3801357									
							EX	3606856	15409	42.5	9.45	176.4	CV	32		A
								3803995 3417713 3818520								

CUMMINS																
Eng. L10 - 300						IN	3418020	15411	42.5	9.6	195.3	PN	30	A		
							4955239 4926069 3800638									
							EX	3803311	15411	42.5	9.6	195.3	PN	30		A
								3070159 3418021 3800639								

CUMMINS																
Eng ISC 24V	ISC	2006	8300	6		IN	3942588	15415	38.0	8	137.8	PN	30	A		
							3800340									
							EX	3800341	15416	38.0	8	137.9	PN	45		A
								3942589								

CUMMINS																
G Series G3.9 - G5.9 B	G	2006	3900 5900	6		IN	3802659	15419	45.1	8	129.2	PN	20	A		
							3922714									
							EX	3922713	15420	42.0	8	129.1	PN	20		A
								3802658								















DACIA																
1300 1.3 1300 Station Wagon 1.3 1304 Pick Up 1.3 1310 (U. X) 1.3 1310 Station Wagon 1.3	810-02/99		1289	4		IN	7701458180	0405	33.5	7	89.6	CV	45	A		
							EX	7700638247	0407	29.0	7	89.0	CV	45		H
						IN	07 10 939 000	G50394	11.15	7	41.5				Gh	
					EX	07 10 939 000	G50394					11.15	7	41.5		











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
DACIA																
Duster 1.6 16V	K4M	2010	1598	4		IN	7701471378	0448	32.7	5.5	109.3	CV	45	A		
						EX	7701471379 7701473354	0449	28.0	5.5	107.7	PN	45	A		
						IN	77 00 109 151	G52637	11.07	5.5	40.6					Br
						EX	77 00 109 151	G52637	11.07	5.5	40.6					Br
DACIA																
Logan	E7J E5F	2004 2008 2012	1389 1598	4		IN	7701465088	0640	37.5	7	107.8	PN	30	A		
						EX	7701465090 7701468149	0641	33.6	7	107.8	PN	45	A		
						IN										
						EX										
DACIA																
Sandero 1.2 16V	D4F	2008	1149	4		IN	7701472986	1704	26.0	5.5	110.7	PN	45	K		
						EX	7701473004	1705	22.0	5.5	112.5	PN	45	K		
						IN	77 00 109 151	G52637	11.07	5.5	40.6					Br
						EX	77 00 109 151	G52637	11.07	5.5	40.6					Br
DACIA																
Dokker 1.2 Logan II TCe90 Sandero II TCe90 Duster 1.2 Tce Duster 1.2 Tce 4x4 Duster 1.2 Tce Furgonato	H4B400 H5F	2013	898 1200	3 4		IN	132017322R	5288	26.6	5.5	100.8	CV	45	K		
						EX	132027223R	5289	23.5	5.5	101.6	PN	30	K		
						IN										
						EX										
DACIA DIESEL																
Duster 1.5 Dci Sondero 1.5 Dci Logan 1.5 Dci Lodgy 1.5 Dci	K9K	2002 2005 2009 2012	1461	4		IN	7701473184	1702	33.4	6	101.0	PN	45	K		
						EX	7701473183	1703	28.9	6	100.8	PN	45	K		
						IN										
						EX										
DAEWOO-CHEVROLET																
Aveo 1.4 16V Cruze 1.4 (j300 j305 j308) Sail 1.2 Beat 1.2 Beat 1.2 LPG Spark 1.2 Orlando 1.4 Tracker 1.4	A14XER Z12XE LUJ	2009 2011 2013	1199 1398	4		IN	90529527	2068	28.0	5	93.8	CV	45	K		
						EX	90529529 55565339	2069	25.0	5	93.8	CV	45	K		
						IN										
						EX										









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.				
DAEWOO-CHEVROLET																			
Nexia 1.5 8V Nexia 1.5 16V Racer	G15MF	1996	1498	4		IN	90215492	2146	38.0	7	101.3	CV	45	A					
							EX	96098751	2147	31.0	7	101.4	CV	45	A				
								IN		G51951	11.03	7.02	45.8						Gh
						EX		G51951	11.03	7.02	45.8				Gh				
DAEWOO-CHEVROLET																			
Espero 1.8 Espero 2.0 Nubiria 2.0 16V Soch Evanda 2.0 Magnus 2.0	C18LE Z24SED	1996 1999 2001	1796 1998	4		IN	90220119	2164	41.8	7	103.8	CV	45	A					
							EX	90323756 90323757	2165	36.5	7	103.6	CV	45	A				
DAEWOO-CHEVROLET																			
Chevy 1.4 Chevy 1.4 Station Wagon Chevy 1.6 Station Wagon Corsa 1.6 GS Tre volumi Corsa 1.6 GS Due volumi Corsa 1.6 Station Wagon	Z14XE Z16XE X16XE	1995 1997 2002	1389 1598	4		IN	641034	2168	31.0	6	103.1	CV	45	K					
							EX	641340	2169	27.5	6	102.2	CV	45	K				
								IN		G52482	10.03	6	45						Gh
						EX		G52482	10.03	6	45				Gh				
DAEWOO-CHEVROLET																			
Leganza 16V Nubira 1.8 16V Nubiria 2.0 16V Doch Leganza 2.2 Tacuma 2.0 16V Evanda 2.0 16V Captiva 2.4 Lacetti 1.8 Lacetti 1.8 Station Wagon Winstorm 2.4 Vivant 2.0 Cx	C18XE C20SED Z24SED	1999 2001 2004	1799 1998 2405	4		IN	90412277	2170	32.0	6	102.1	PN	45	K					
							EX	90410813	2171	29.0	6	92.2	PN	45	K				
DAEWOO-CHEVROLET																			
Equinox	LAF	2009	2198	4		IN	55563529	2192	35.1	6	102.2	CV	45	K					
							EX	454518	2193	30.1	6	100.9	CV	45	K				
DAEWOO-CHEVROLET																			
Lanos 1.4 8V	A13SMS A14SMS	1998	1349	4		IN	96182934	2300	37.9	7	103.5	CV	45	A					
							EX	96182933	2301	31.0	7	103.6	CV	45	A				
								IN	96350913	G5S2685	11.03	7.02	47.5					MS	
		EX	96350913	G5S2685	11.03	7.02	47.5					MS							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.		
DAEWOO-CHEVROLET																
Nubiria 1.6 16V / 1.5 LT Lanos 1.6 16V / 1.5 LT Tacuma 1.6 16V Cielo 1.5i 16V Espero 1.5i 16V Nexia 1.5i 16V Racer 1.5i 16V	A16DMS- A15MF	1998 2004	1598	4		IN	96103129	2302	30.3	6	102.4	PN	45	A		
							96103129									
							96182806									
							EX	96103130	2303	26.0	6	102.1	CV	45		A
							96182805									
IN	96103034	G5S2671	11.05	6	40.1					MS						
EX	96103034	G5S2671	11.05	6	40.1					MS						
DAEWOO-CHEVROLET																
Matiz Matiz 1.0 Kalos 1.2 Labo 0.8 Tico 0.8 Aveo 1.2 Due volumi Spark 1.0 Gentra 1.2 SE	F8CV B10S B12S1 F12S3	1999 2003 2004	796 995 1150	3 4		IN	1291178B00	2304	35.6	5.5	110.6	CV	45	A		
							94580146									
							EX									96352793
							1291578B00									
							IN	11115A-70B000	G5S2686	11.05	5.5	43				
EX	11115A-70B000	G5S2686	11.05	5.5	43					MS						
DAEWOO-CHEVROLET																
Tacuma 1.8 SX Eng.F18N	F18N	2001	1761	4		IN	96230591	2306	38.0	6	101.3	CV	45	K		
							EX									96230595
							IN									
EX																
DAEWOO-CHEVROLET																
Kalos 1.4 SOCH	F14S3	2003	1399	4		IN	96335947	2308	38.0	6	104.0	CV	45	K		
							EX									96335948
							IN		G5S2845	11.03	6.02	47.5				
EX		G5S2845	11.03	6.02	47.5					MS						
DAEWOO-CHEVROLET																
Lacetti 1.8 16V Nubira 1.8 16V	F18D3	2006	1800	4		IN	93333561	2310	31.2	6	101.4	CV	45	K		
							EX									93333562
							IN									
EX																
DAEWOO-CHEVROLET																
Montana 1.4	14SE	2015	1400	4		IN	93399245	2321	38	6	105	PN	46	K		
							EX									24578793
							IN									
EX																















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
DAEWOO-CHEVROLET																	
Montana 1.8	18SE	2015	1800	4		IN	93399246	2323	37.9	6	101.5	PN	46	K			
							EX	579671	2324	31	6	101.6	PN	46	K		
DAEWOO-CHEVROLET																	
Spark 1.0 EngB10D1 N 300 MAX 16V	LAQ B10D1	2010	1200	4		IN	96463002	2325	25.9	5	99.3	PN	45	A			
							EX	96463003	2326	23.5	5	99.8	PN	45	A		
DAEWOO-CHEVROLET																	
Cruze 1.8 Cruze 1.8 LPG Cruze Due volumi 1.8 Cruze Due volumi 1.8 LPG Orlando 1.8 Tracker 1.8 Tracker 1.8 AWD	F18D4	2009 2011 2013	1796	4		IN	641076	2660	31.2	5	113.9	CV	45	K			
							EX	641391	2661	27.5	5	113.2	CV	45	K		
							IN	24405805	G5S2814	10.03	5	37				MS	
EX	24405805	G5S2814	10.03	5	37				MS								
DAEWOO-CHEVROLET																	
Korando 3.2 4x4 Korando Cabrio 2.0 16V Musso 2.3 Musso 3.2 4x4 Rexton 3.2 V6	M104.995 M161.950 M111.970 M104.992 M162.992	1999 2002	1998 2295 3199	4 6		IN	1110531101	2772	35.0	7	101.5	PN	45	A			
							EX	1110501227	2773	31.0	7	103.5	PN	45	A		
					IN		G52453	12.56	7.02	37.5				Gh			
					EX		G52453	12.56	7.02	37.5				Gh			
DAEWOO-CHEVROLET																	
Kalos 1.4 DOCH Lacetti 1.4 16V Cruz 1.6 16V Nubira 1.6 16V	F14D3 F16D3	2003 2004	1399	4		IN	96376881	15454	28.6	6	101.6	CV	45	A			
							EX	96896008 96440079 96376980	15455	27.3	6	101.2	CV	45	A		
DAEWOO-CHEVROLET DIESEL																	
Truck Plus	XUD9	2000	1900	4		IN	FS054982	0816	38.5	8	112.5	PN	45	A			
							EX	50060609 FS060609	0821	33.0	8	112.0	PN	45	A		
					IN		G52290	14.06	8.01	52				Br			
					EX	0220-55	G52053	14.06	8.01	50				Br			












Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
DAEWOO-CHEVROLET DIESEL																
Cruz 1.7 D Trax 1.7 TD	DTS DTR LUD	2011	1686	4		IN	642027	2314	27.5	6	102.5	PN	45	A		
							641085									
							98113743									
							EX	641400	2315	25.4	6	102.3	PN	45	A	
641086																
97385842																
																
DAEWOO-CHEVROLET DIESEL																
Nubira 2.0 TCDI Captiva 2.0 TCDI Epica 2.0 TCDI	Z20DMZ- 20DMH	2007	1991	4		IN	96951454	2316	28.6	6	95.7	PN	45	K		
							4817354									
							4805321									
							EX	96951455	2317	24.4	6	95.7	PN	45	K	
4817338																
																
DAEWOO-CHEVROLET DIESEL																
Cruze 2.0 TD Orlando 2.0 TD Captiva 2.2 TD	Z20 Z22	2011	1998 2231	4		IN	25183821	2327	28.5	5.0	101.9	PN	45	A		
							EX	183822	2328	26.5	5.0	101.9	PN	45	A	
																
DAEWOO-CHEVROLET DIESEL																
Rexton 2.9 TD	OM 662.983	2002	2874	5		IN	6010530401	2747	38.0	8	106.4	PN	45	A		
							6010531701									
							6010531201									
							EX	6010501227	2748	35.0	9	106.4	PN	45	A	
							6010500227									
							6010502127									
	IN		G52099	14.03	8	39.5							Gh			
	EX		G52101	14.03	9	37.5								Gh		
DAEWOO-CHEVROLET DIESEL																
Aveo 1.3 D 16V Eng. LDV - LSF Euro 5	LDV LSF	2011	1248	4		IN	55223835	2944	22.4	6	109.2	PN	45	K		
							EX	55223836	2945	22.4	6	109.3	PN	45	K	
																
DAF TRUCKS																
CF 85.330 XF Euro2	XFEuro2	2002	12600	6		IN	1342220	1178	45.5	9	163.3	PN	20	A		
							EX	1362696	1179	42.4	9	158.4	PN	45	A	
	IN	1313683	G52835	15.06	9	77								Gh		
	EX	1313683	G52835	15.06	9	77								Gh		



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.														
DAF TRUCKS																													
Eng. DD 575 Series 900. 1100 Eng. DS / DSD 575 Turbo Series 1600. 1800 Eng. DF 615 Series 1600. 1800 Eng. DTD / DT 615 Turbo Series 1300. 1500. 1600 (88/101/110/113 KW)	DD DF DS DTD	1960 1969	5760 6170	6		IN	211260	1187	42.0	8.7	141.0	PN	30	A															
							257263																						
							EX	210504								1188	39.3	8.6	140.8	PN	30	A							
								517472 257265																					
								IN								210279	G50887	14.33	8.72	71									Gh
																EX													210279
DAF TRUCKS																													
Eng. DH 825 Series FA / FM 2000 Eng. DHS 825 - Turbo FA / FT 2505. FAR 2500. FAT 2525 Eng. DHT 825 - Turbo FA 2305 Eng. DHTD 825 - Turbo FA / FT 2105 Eng. DU / DHU / DHB - 825 - Turbo Series FA / FT 2000. 2005. 2200. 2205. 2300 (120/148/151/162/	DH DHB DHS DHT DHTD	1969 1971 1976 1978 1979	8250	6		IN	613965	1189	51.4	10	148.7	PN	30	A															
							674830																						
							EX	613966								1190	42.8	9.9	148.5	PN	30	A							
								674829																					
								IN								240472-5	G50389	16.03	10	70									Gh
																EX													240472-5
DAF TRUCKS																													
Eng. DKA / DKL 1160 Series ATI 2400. MB 200. SB 201 Eng. DKB 1160 Series ATI 2400. FA / FT 2600 Eng. DKTD 1160 Series FA / FT 2600. 2605. 2805 Eng. DKS 1160 - Turbo Series FA / FAT 2800. 2805 (97/113/139/156/169/188/260 KW)	DKA DKB DKS DKT	1969 1973 1976	11630	6		IN	242253	1191	56.7	11	151.9	PN	30	A															
							IN									655395	1193	54.9	11	152.2	PN	30	A						
								267356																					
							EX	655398								1194	47.7	11	150.1	PN	30	A							
																								267357					
							EX	242199								1192	49.3	11	150.1	PN	30	A							
	IN	236534-3	G50788	17.5	11.11	70.3									Gh														
		EX													236534-3	G50788	17.5	11.11	70.3							Gh			
DAF TRUCKS																													
Eng. DNT / DNS 620 Turbo Series 1300. 1700. 1900 (132/156 KW)	DNT DNS	1987	6329	6		IN	286292	1196	44.0	9.9	142.4	PN	30	A															
							EX	286291								1197	40.0	9.9	142.4	PN	30	A							
																													
DAF TRUCKS																													
Eng. DKV 1160 - Turbo Eng. DKXE 1160 - Turbo FA 2805 Eng. DKX 1160 ATI - Turbo FA / FAG / FT / FTG 3305 FAR / FTR 3300 FAD / FAT / FTT 3325 Eng. DC 1160 - Turbo FAS 3603 - FA / FT 3605 FAD / FAT 3625 DK 11.60 NTG Turbo Diesel Engine (212/260/2	DC DK DKX DKV	1973 1984 1987	11630	6		IN	1259989	1198	54.9	11	175.0	PN	30	A															
							266305																						
							EX	266306								1199	49.9	11	175.0	PN	30	A							
								1254382																					
								IN								266425	G52501	17.55	11.07	75									Gh
																EX													266425


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
DAF TRUCKS																
Eng.RS180 Eng.RS200 Eng.RS222 Eng.HS825 Series FA	HS RS	1992	8650 11630	6		IN	394838	1840	50.0	10	157.9	PN	30	A		
						EX	394839	1841	45.5	10	157.9	PN	30	A		
						IN	557284	G52913	16.04	10	79					Gh
						EX	557284	G52913	16.04	10	79					Gh
DAF TRUCKS																
CF 75.310 75.360	PX92	2004	9200	6		IN	1345509	1844	40.5	9	157.7	PN	20	A		
						EX	1352127	1845	37.0	9	155.1	PN	45	A		
						IN	1313683	G52835	15.06	9	77					Gh
						EX	1313683	G52835	15.06	9	77					Gh
DAF TRUCKS																
XF 85-95 Euro 2 Eng.MV4	Euro2	2003	12600	6		IN	1307654	1846	45.5	9	163.6	PN	30	A		
						EX	1327029	1847	42.5	9	158.6	PN	30	A		
						IN										
						EX										
DAF TRUCKS																
CF 85.430 XF 95.430 Euro 3	Euro3	2004 2006	12600	6		IN	1603846 1684773	1848	45.5	9	163.3	PN	20	A		
						EX	1362696 1654942	1179	42.4	9	158.4	PN	45	A		
						IN	1313683	G52835	15.06	9	77					Gh
						EX	1313683	G52835	15.06	9	77					Gh
DAF TRUCKS																
XF95 XF105 CF85 ENG. MX300	MX300	2011	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A		
						IN										
						IN										
						EX	1678541	2291	42.5	10	168.6	PN	30	A		
						EX										
						EX										
DAF TRUCKS																
ENGMX 13 EURO 6	MX13E- URO6	2014	12900	6		IN	1912976	2292	44.0	10	169.8	PN	20	A		
						EX	1741505	2293	41.0	10	169.6	PN	30	A		
						IN										
						EX										


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
DAF TRUCKS																	
LF 45 FA 45.140/160/180/201/220 LF 55 FA 55.160/180/220/250/280 LF FA 150/180/210/220/250/310 LF CF 220/250/280/310	PX-5 112/135/157 FR 103/118/136/152 S1 PX-7 164/186/208/231 GR165/184/210 S1	1999	4460	4 6		IN	1404919	5626	33.0	7	124.6	PN	30	A			
		2002	4461														
		2006	6690														
		2013	6691														
		2014				EX	1404918	5627	33.0	7	124.3	PN	45	A			
DAIHATSU																	
Delta 1.5 Microbus Taft Gran Eng. 12R (59 KW)	12R	1977 1981	1587	4		IN	1371131050	0724	40.0	8	109.0	PN	45	A			
						IN	1371131030	0718	40.0	8	109.0	PN	45	AL			
						EX	1371531030 1371531050	0719	34.0	8	109.0	PN	45	AL			
						EX	1371531070	0725	34.0	8	109.0	PN	45	A			
						IN	11122-23010	G51400	14.04	8	50					Gh	
EX	11122-23010	G51400	14.04	8	50					Gh							
DAIHATSU																	
Charmant 1.4 Eng. T Charmant 1.6 Delta 1.6 Wide Cab 1.6 Eng. 12T (2T) (59/64 KW)		1975/79 1976/81	1407 1588	4		IN	1371125011	1779	41.0	8	109.0	CV	45	L			
						EX	1371525011	1780	36.0	8	109.0	CV	45	L			
DAIHATSU																	
Sirion 1.3 16V YRV 1.0 12V YVR 1.3 16V (75 KW) Eng.K3-VE	K3VE	2000	1298	4		IN	1371197401 1371123030	1810	26.0	5	88.2	CV	45	A			
						EX	1371597401 1371523030	1811	22.6	5	89.2	CV	45	A			
						IN	11124-87101	G52691	12.08	6.6	55					Gh	
EX	11128-87101	G52692	12.08	6.6	55					Gh							
DAIHATSU																	
CUORE SIRION Eng.1KRFE	1KRFE	2005	998	3		IN	1371140040	2253	27.4	5	88.4	CV	45	A			
						EX	1371540040	2254	23.6	5	89.2	CV	45	A			
DAIHATSU																	
Cuore Hujet Atrai Wide Cab Eng. AB Charade 1.0 Eng. CB (23/40 KW)		1977 1979	547 993	2 3		IN	1371187701 1371187705	2534	36.0	7	101.6	PN	45	A			
						EX	1371587702 1371587701	2535	33.0	7	101.6	PN	45	A			


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
DAIHATSU																
Rocky 4x4 2.0 Eng. 3Y (65 KW)	3Y	1984	1998	4		IN	1371171010	2558	40.1	8	108.3	PN	45	A		
							EX	1371571010	2559	36.0	8	108.6	PN	45	A	
																
DAIHATSU																
Delta 2.0		1978	1994	4		IN	1371144013	2566	43.0	8.5	109.5	CV	45	A		
							EX	1371544022	2567	37.0	8.5	110.0	CV	45	A	
																
DAIHATSU																
Move Cuore Eng. ED SOHC		1999	847	3		IN	1371187202	3860	34.0	7	111.1	CV	45	A		
							EX	1371587202	3861	28.0	7	110.6	CV	45	A	
																
DAIHATSU																
Cuore		1999	1000	3		IN	1371197205	3862	24.5	5	79.2	PN	45	A		
							EX	1371597203	3863	21.0	5	79.8	PN	45	A	
																
DAIHATSU																
Sirion		1999	1000	3		IN	1371187208	3864	24.1	5	79.5	CV	45	A		
							EX	1371587208	3863	21.0	5	79.8	PN	45	A	
																
DAIHATSU																
Terios Charade Feroza (69 KW) Eng.HCE	HCE	1988 1999	1295 1589	4		IN	1371187103 1371187104	5528	30.0	6.6	112.6	PN	45	A		
							EX	1371587105 1371587106	5529	26.1	6.6	114.5	PN	45	A	
																


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
DAIHATSU DIESEL																		
Eng. DL - Turbo Rocky. F70. 75. 77 4WD (54/67 KW)		1985/90	2765	4		IN	1371187312	2528	42.0	9	127.6	PN	45	A				
							EX	1371587319	2529	35.0	9	127.6	PN	45	A			
																		
DAIHATSU DIESEL																		
Delta 3.0 Light Bus Eng. B (59 KW)		1979	2972	4		IN	1371156030	2554	45.0	9	128.0	PN	45	A				
							EX	1371556030	2555	37.5	9	127.7	PN	45	A			
								IN	11122-56021	G52363	14.05	9	60				Gh	
	EX	11122-56021	G52363	14.05	9	60				Gh								
DETROIT DIESEL																		
Eng. DD13	OM471	2011	12800	6		IN	4710500426	3282	45.2	9.5	240.0	PN	20	A				
							EX	4710500527	3283	43.5	9.5	246.6	PN	30	A			
																		
DETROIT DIESEL																		
Eng. 60 Series Natural Gas Eng. 677-775						IN	23518745	3722	44.0	8.7	216.9	PN	20	A				
							EX	506350	5228	39.9	8.7	215.6	PN	30	A			
							EX	23519093	3723	39.0	8.7	216.4	PN	20	AP			
																		
DETROIT DIESEL																		
Eng. DD15 Eng. DD16	OM472 OM473					IN	4720500126	3726	47.2	9.5	240.0	PN	20	A				
								4730500126										
							EX	4730500127	3727	45.1	9.5	246.6	PN	30	A			
																		
DETROIT DIESEL																		
HERCULES						IN	11140400	3728	46.0	7.8	114.3	PN	30	B				
							EX	12140400	3729	40.6	7.8	114.3	PN	45	B			
																		


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
DETROIT DIESEL																					
Eng. Serie 60						IN	23501576	15407	44.0	8.7	215.6	PN	30	A							
							8929589														
							23529629														
							Nimonic														
						EX	23507504	5228	39.9	8.7	215.6	PN	30	A							
							23524521														
							23529596	4037	39.5	8.7	215.6	PN	30	A							
							8929590	15408	39.9	8.7	215.6	PN	30	A							
							23501577														
DONG FENG																					
Shuaike 1.6	TU5JP4		1587	4		IN	0949A9	0889	31.2	6	103.7	CV	45	A							
							EX	0949A8	0859	24.6	6	104.2	CV	45	A						
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS						
						EX	0220-95	G52654	11.06	6	40				Br						
DONG FENG																					
Truck			5900	6		IN	3940735	5626	33.0	7	124.6	PN	30	A							
							EX	3940734	5627	33.0	7	124.3	PN	45	A						
EL DETALLE																					
Gondola OA 101	BF 6L 913 BF 6L 913C	1987	6128	6		IN	4153629	0177	43.0	8	133.0	PN	45	A							
							EX	4153696	0178	37.0	8	133.0	PN	45	A						
EL DETALLE																					
Gondola OA 104	BF 6M 1015C	1991	11905	6		IN	4267453	1526	46.0	8	133.0	PN	30	K							
							EX	4226412	1527	42.0	8	132.9	PN	45	K						
EL DETALLE																					
Gondola OA 106	4 BTAA	1991	3922	4		IN	3802355	1968	45.0	8	129.2	PN	30	A							
							EX	3802356	1969	42.0	8	129.0	PN	45	A						




Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
FIAT ALLIS																
200 - 255 - 300J - 300 - 350 - 355C - 355 - 400 - 420 - 450 - 450F - 450R - 455 - 460 - 470 - 470S - 480 / 8F - 450 - 455C - 455CS - 480 - 480S - 480 / 8 - 500 - 500 S - 505C - 540 - 540 S (8025.01 - 8025.02 - 8035.01 - 8035.02				2/ 3/ 4		IN	60105343 4659379 1901963 1902205	0286	44.0	8	125.5	DF	45	A		
							4621484 4673608 4658055	0287	37.0	8	125.5	PN	45	A		
							IN	4802126	G50287	14.02	8.02	56				Gh
							EX	4676070	G51039	14.02	8.02	56				Gh


FIAT ALLIS																
200 - 255 - 300J - 300 - 350 - 355C - 355 - 400 - 450 - 450F - 450R - 455 - 450C - 460 - 470 - 470S - 480 / 8F - 450 - 455C - 455CS - 480 - 480S - 480 / 8F - 500 - 500S - 505C - 540 - 540S - 505CS - 570 - 580 - 550 - 555 - 600 - 605C - 605CS - 640 - 670 -	1984 1991			3/ 4 6		IN	4824416 99432652 98435622 4803805 1904656 4784888	0288	45.5	8	125.7	PN	30	A		
						IN	4802204	0328	44.5	8	125.8	DF	30	A		
						EX	4658055	0287	37.0	8	125.5	PN	45	A		
						EX	1904655 4784889 4789890 4806717 4806718	0289	37.5	8	125.5	PN	45	A		
						IN	4802126	G50287	14.02	8.02	56					Gh
EX	4676070	G51039	14.02	8.02	56					Gh						


FIAT ALLIS																
650 S - 655 - 655 C 705 - 805 C - 850 850 S - 880 1300 - 120 C 1300 S - 100 C 54 - Tigrotto - Daino Lupetto - Leoncino OM 130 OM 130 R OM 130 T (CN3 - C03 - CP3)	1969 1970			3 4 4/6 6		IN	8823545 8823548	0290	43.0	8	138.0	DF	45	A		
						EX	8823549 8823544	0291	36.5	8	138.0	PN	45	A		
						IN	4578795	G50284	14.08	7.99	55					Gh
						EX	4578795	G50284	14.08	7.99	55					Gh


FIAT ALLIS																
FL 12 - AD 12 BD 12 - FR 12 / 1						IN	4535494	0294	50.0	10	161.0	PN	45	A		
						EX	4535495	0295	44.0	10	161.0	PN	45	A		


FIAT ALLIS																
AD 18 - BD 18 FL Eng.8215.01.221		1965	12883	6		IN	4580688	0302	58.0	11	166.5	PN	45	A		
						EX	4632840	0299	49.0	11	166.5	PN	45	A		
						IN		G50232	19.01	11.03	86					Gh
EX		G50232	19.01	11.03	86					Gh						



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
FIAT ALLIS																				
200C 20 - FL 20 FD 20 - FR 20 MX 240 M 8215.02		1970	8214	6		IN	4695850 4683025	0304	59.0	11	170.0	PN	45	A						
						EX	4683026 2991999	0305	49.0	11	170.0	PN	45	A						
						IN														
						EX														
						IN		G50278	18.02	11.02	86								Gh	
						EX		G50273	18.02	11.02	76								Gh	



FIAT ALLIS																			
FD 30 - FR 35 M 8280.22						IN	4704214	0310	51.0	10	156.5	PN	30	A					
						EX	4704215 4808415	0311	45.0	10	156.5	PN	45	A					
						IN													
						EX													
						IN	4672515	G50900	17.04	10.02	67							Gh	
						EX	4672515	G50900	17.04	10.02	67							Gh	



FIAT ALLIS																			
AD - BD 14 FL FL 14B / FL 14AB OM 160 NC / V OM 160 NC OM 160 / NT (8200.02 - 8205.02)		1973	8205	6		IN	4684088	0313	51.0	10	161.0	PN	45	A					
						IN	4638617	0312	53.0	10	161.0	PN	45	A					
						EX	4684089	0314	45.0	10	161.0	PN	45	A					
						IN													
						EX													
						IN		G50650	17.01	10.02	80								Gh
EX		G50655	17.01	10.02	70								Gh						



FIAT ALLIS																			
Eng. 8365.45		1990	7685	6		IN	98448462 98497241 4860106 98443427	0330	46.8	9	142.1	PN	30	A					
						EX	4860107 1908427	0331	42.5	9	142.4	PN	45	A					
						IN													
						EX													
						IN	4861816	G52542	16.05	9.02	62							Gh	
						EX	4861811	G52544	16.05	9.02	57							Gh	



FIAT ALLIS																			
80C - 90C 1380 - 1580 1880 OM 50 / 10 OM 55710 OM 65 / 10 OM 70710 OM 75 / 10 (C03 / 130T - 8365.05 - 8365.25 - 8340.04 - 8340.05 - 8360.05 - 8365 SI) Eng. 8365.05 Eng. 8365.25	OM50 OM56 OM70	1971 1980	4570 8102	4 4/6		IN	8824754 4821709	0516	48.5	8	137.5	DF	45	A					
						IN	4821710	0516+0.6T	48.5	8	137.5	DF	45	A					
						EX	8830045 8825776 4821711	0517	41.0	8	137.8	PN	45	A					
						IN													
						EX													
						IN													











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
FIAT ALLIS																	
615 - 615 DT C02D / 60 Tigrotto 4.8 Ton. Cerbiatto Lupetto Daino FR 8 OM 513 615 - 315 DT FL Diamante (C02D - D108 - C0213 - C02D60)		1962		4		IN	8806875	0524	41.0	7.9	171.0	DF	45	A			
							8821781										
							EX 8806876	0525	36.0	7.9	171.0	PN	45	A			
							8821782										
																	













FIAT ALLIS																	
70 CL						IN	580605	2456	50.8	11	160.0	PN	45	A			
							EX 580606	2457	45.0	11	160.0	PN	45	A			
																	















FIAT ALLIS																	
Eng. 8215.22 Turbo FL 20 - FR 20 B - MX 300		1992	13797			IN	4849522	3050	57.5	11	171.0	PN	30	A			
							IN 4673862	2448	57.5	11	170.0	PN	30	A			
							EX 4673861	3051	47.8	11	169.7	PN	45	A			
																	


FIAT IVECO																	
Marengo Ducato Daily Grinta Eng. 8140.61 / 8142.61 / 8144.61 30.8 Campagnola 35.8 40.8 Daily Brasile (53 kW)	814061 814261 814461	1978 1980 1983	2000 2445	4		IN	4733348	0281	40.9	8	121.9	PN	30	A			
							IN 7301820	2705	41.0	8	121.0	PN	30	A			
							4757358 504069200										
							IN 4741915	0280	41.0	8	122.0	PN	45	A			
							EX 4733349	2706	32.9	8	122.0	PN	45	A			
						IN 4749395	G51811	13.03	8.02	56				Gh			
						EX 4733258	G51355	13.06	8.02	60				Gh			


FIAT IVECO																					
612 N2 Eng. 803A / 8030.01 616 N3 Eng. 8030.02 Tractor 446 / 450 / 455 / 465 / 466 / 470 / 474 / 480 / 488 / 500 / 505 / 540 Eng. 8035.02 Tractor 505 / 566 / 570 / 580 / 588 Eng. 8035.04 616 N2 / N4 625 N2 Orsetto 15 Eng. 804A / 8040.01 Tractor 600-605 Eng	803A 803001 803002 803504 803502 804001	1966 1970 1971 1972 1972 1978 1980	2340 2592 2748 3120 3456 3666 4678 5184 5187 5496 5499	3 4 6		IN	60105343	0286	44.0	8	125.5	DF	45	A							
							1901963 4659379 1902205														
							IN 4802204	0328	44.5	8	125.8	DF	30	A							
							IN 1901964	0269	44.0	8	125.5	DF	45	A							
							4621511														
							EX 4621484	0287	37.0	8	125.5	PN	45	A							
							4673608 4658055														
													IN 4802126	G50287	14.02	8.02	56				Gh
													EX 4676070	G51039	14.02	8.02	56				Gh


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
FIAT IVECO															
EuroCargo 60 E 14-E 15 65 E 12-E 14-E 15 75 E 14-E 15 80 E 15-E18-E21 90 E 18-E21 95 E 21 100 E 15-E 18-E 21 120 E 18-E 21 130 E 18-E 21 150 E 18-E 21 Eng.8040.05-8060.05	804005 806005	2001	1990	4 6		IN	98435622 1904656 1908408	0288	45.5	8	125.7	PN	30	A	
						EX	1908409 1904654 4784890	2441	37.6	8	125.7	PN	45	A	
							IN EX	4802126 4802126	G50287 G51039	14.02 14.02	8.02 8.02	56 56			Gh Gh
FIAT IVECO															
80 / 110 E15 - E18 Euro-Cargo Eng. 8060.25 Turbo 616 N2 - N3 - N4 625 N2 79.14 - 115.14 Eng. 8060.05 650 N1 - N2 - N3 79.17 - 115.17 Eng. 8060.25 655 N1 - 662 N1 672 N 50 / 10 80 / 13 90 / 13 100 / 13 110 110 P 110 T 40 - 50 / 10 Furgone	806005 806025	1982 1987 1990 1991	3908 5816 5861 5862	4 6		IN	4824416 4803805 1904656 98435622 4784888 99432652	0288	45.5	8	125.7	PN	30	A	
						IN	4802204	0328	44.5	8	125.8	DF	30	A	
						EX	4658055	0287	37.0	8	125.5	PN	45	A	
						EX	99432718 99432717 4806717 4784889 1908410 4806718 1904655 1904666	0289	37.5	8	125.5	PN	45	A	
							IN EX	4802126 4676070	G50287 G51039	14.02 14.02	8.02 8.02	56 56			Gh Gh
FIAT IVECO															
175.24 / 25 - 190.24 TRU - 190.26 TRU - 240.26 TRU - 370 S 24 - Turbocity U Eng. 8460.21 - Turbo 190 / 44 DE - 190.32 190 / 44 DE 38 Eng. 8460.41 - Turbo (177/221 KW) Euro Tek 190 E 38 440 E 38	846021 846041	1986 1987 1991	9500	6		IN	61316814 61320722 61370865 61318428	0296	49.5	9	147.3	PN	30	A	
						EX	61321255 61315973	0297	43.0	9	146.0	PN	45	A	
							IN EX	61585072 61585072	G51923 G51923	16.05 16.05	9.02 9.02	67 67			Gh Gh
FIAT IVECO															
682 N2 682 RN 682 N3 690 N - N1 306 - 682 N - 690 - 682 N4 405 / 410 / 411 / 412 Bus 682 T4 Eng. 203.00 - 203A61			1961	6		IN	4535358	0298	56.0	11	166.5	PN	45	A	
						EX	4632840 4535359	0299	49.0	11	166.5	PN	45	A	
							IN EX		G50232 G50232	19.01 19.01	11.03 11.03	86 86			Gh Gh


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.					
FIAT IVECO																				
619 - 683 - 693 Eng. 203.65		1965		6		IN	4580688	0302	58.0	11	166.5	PN	45	A						
							EX	4535359 4632840	0299	49.0	11	166.5	PN	45	A					
																				
							EX													Gh Gh
FIAT IVECO																				
Series 160 / 170 / 180 / 190 / 240 / 260 / 300 / 330 / 370 / 607 / 619 / 670 AP 160.24 (Eng. 8210.02) 421 A / AL Orlandi Bus 370 F12 (Eng. 8210.12) 190 / 440 E 42 Euro Star (Eng. 8210.42) (192 KW)	821002 821012 821042	1972 1980 1981 1992	13797 13798	6		IN	98480846 4683025 4638615	0304	59.0	11	170.0	PN	45	A						
							EX	99452179 2991999 4683026	0305	49.0	11	170.0	PN	45	A					
																				
							EX													Gh Gh
FIAT IVECO																				
684 N / NP / T - 690 N4 - 331 A Eng. 8200.02 308 - 308 L - 309 A - 343 - 343 E - 409 A - 418 A / AC / AL - 420 A Eng. 8200.12 160 NC / NT - 684 T Eng. 8200.03 343 L Eng. 8200.13 (147/154/165 KW)		1970 1974	9819 10308	6		IN	4684088	0313	51.0	10	161.0	PN	45	A						
							IN	4638617	0312	53.0	10	161.0	PN	45	A					
							EX	4684089	0314	45.0	10	161.0	PN	45	A					
																				Gh Gh
FIAT IVECO																				
Ducato 10 Furgone Eng. XM7T Ducato 13 Furgone Eng. XN1T (51/53/57 KW)	XN1T XM7T	1981 1982	1795 1971	4		IN	7910029730 094833	0618	42.6	8	118.6	CV	30	A						
							EX	7910028074 094927	0611	35.5	8	112.0	PN	45	A					
																				
							EX													Gh Gh
FIAT IVECO																				
Ducato Benzina		1982	1995	4		IN	094836	0635	43.9	8	112.0	PN	30	A						
							EX	094938	0659	38.6	8	111.4	PN	45	A					
																				
							EX													Gh Gh
FIAT IVECO																				
E145-E195-E215-E245 NEF 45 AM1 NEF 67 SM1 ENG.F4GE	F4GE	2006		4 6		IN	4895187	1968	45.0	8	129.2	PN	30	A						
							EX	4899632	4312	42.0	8	130.5	PN	45	A					
							EX	4895188	1969	42.0	8	129.0	PN	45	A					
																				








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
FIAT IVECO																					
Euro Star 440 E 52 Eng.8080.42	808042	1996	17173	v8		IN	98444133	2444	51.8	10	157.2	PN	25	A							
							98446334														
							99444132	5621	45.0	10	156.0	PN	45	A							
							4828299														
						IN	4672515	G50900	17.04	10.02	67				Gh						
				EX		4672515	G50900	17.04	10.02	67					Gh						
FIAT IVECO																					
Euro Tech Cursor 190 E 27K 190 E 31K Cursor 78TE2 190 E 380 E STRALIS 190S27-S31-S35 260S27-S31-S35 440S35 Eng.F2BE0681	F2BE06-81GAS	2001 2004	7790	6		IN	504042365	2450	40.0	8	174.0	PN	30	A							
							500354685														
							500354682														
							99456803														
												EX	500354687	2451	39.0	8	173.0	PN	45	A	
											99457210										
											504042363										
						IN	500391440	G5S2797	13.03	8.02	75.5				MS						
				EX		500391436	G5S2799	13.03	8.02	75.5					MS						
FIAT IVECO																					
EuroCargo 120 E 23 130 E 23 150 E 23 280 E 23 T 135 E 23 W 170 E 27		1990 2001	5816	6		IN	98429886	2666	46.0	9	141.0	PN	30	A							
							1908394														
												EX	98412705	2667	38.3	9	141.0	PN	45	A	
											1908395										
																					
FIAT IVECO																					
Ducato Maxi Eng.8140.67 Sofim	814067	1994	2500	4		IN	98468338	2668	43.4	8	121.8	PN	30	A							
										EX	98418161	2669	36.6	8	121.9	PN	45	A			
						IN	4749395	G51811	13.03	8.02	56				Gh						
				EX		4749395	G51811	13.03	8.02	56					Gh						
FIAT IVECO																					
242 / 15 - 18 D Eng. B 22.615 242 E FL Eng. B 25.637 (46/52 KW)	B25637	1974 1981	2175 2499	4		IN	5471746	2700	42.2	8	121.4	PN	45	K							
							5478734														
										EX	5414239	2701	35.0	9	121.4	PN	45	K			
											5457479										
													IN	5414143	G51237	13.06	7.99	55			
				EX	5414141	G51238	13.06	8.99	57						Gh						
FIAT IVECO																					
238 E Furgone 242.15 B 131 Engine Furgone 242.188 Campagnola 2.0		1977 1978 1983	1438 1585 1995	4		IN	4376861	2702	34.5	8	100.5	PN	45	A							
										EX	4376862	2703	31.0	8	101.0	PN	45	A			
																					






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.									
FIAT IVECO																								
Daily Grinta	814021	1983	2445	4		IN	7301820	2705	41.0	8	121.0	PN	30	A										
Campagnola	814027	1986	2499			EX	4757358																	
Marengo Ducato		1990	2779																					
Grinta T.																								
Daily Series 35 / 40 / 45 / 49 / 35.10 / 35.8 / 35.12						EX	500327442									2646	36.7	8	122.0	PN	30	A		
Eng. 8140.21 - Turbo / 8140.61.200 / 8140.47						EX	99432837									2671	36.0	8	122.0	PN	45	A		
Daily						EX	7302157									2692	34.5	8	122.0	PN	45	A		
Eng. 8140.27 (68/76 KW)						IN	7303309																	
Daily 81.40.43						EX	7301821																	
Daily 29 2.3 TD						IN	4749395									G51811	13.03	8.02	56					Gh
Daily 35 2.3 TD				EX	4749395	G51811	13.03	8.02	56					Gh										
Daily 50																								
Daily 60																								
Daily 65																								
Duc																								













FIAT IVECO																							
Series 190 / 240 / 330 / 370	821022	1981	13797	6		IN	4837679	3050	57.5	11	171.0	PN	30	A									
Eng. 8210.22 - Turbo	821022	1984	13798			IN	4849522																
190.33 Turbostar	821522	1992					98497025																
(Eng. 8210.22 - S - Turbo)							4837598																
(Eng. 8210 Spr - Turbo)						IN	4673862									2448	57.5	11	170.0	PN	30	A	
(Eng. 8215.22 Turbo)						EX	4673861									3051	47.8	11	169.7	PN	45	A	
(224/243/309 KW)							98407026																
						IN	4630923									G50675	18.01	11.02	86				Gh
						EX	4648237									G50680	18.01	11.02	76				Gh













FIAT IVECO																							
Euro Tech / Euro Star	821022	1996	13797	6		IN	98474603	5622	57.4	11	170.0	PN	30	A									
190 E 42		2001					98478407																
240 E 42																							
440 E 42																							
440 E 47						EX	98474604									5623	47.8	11	169.7	PN	45	A	
Euro Trukker																							
380 E 37						IN	4630923									G50675	18.01	11.02	86				Gh
410 E 37						EX	4648237									G50680	18.01	11.02	76				Gh
410 E 42																							
Eng.8210.22																							









FIAT IVECO																						
STRALIS	F3AE0681	2000	10380	6		IN	500355776	5624	43.0	9	202.5	PN	30	A								
190 S 40-S 43		2004					504042366															
260 S 40-S 43		2006					5801551448															
440 S 40-S 43																						
Eng.F3AE0681						EX	504042367									5625	42.0	9	201.3	PN	45	A
Eurostar							500355779															
Euroteck 190-260-440						EX	504314695															
E40-43						EX	5801487019									2449	29.0	5.5	105.8	PN	45	A
CURSOR 10TE1																						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
FIAT IVECO																				
Euro Cargo Tector 60 E 13 65 E 13 75 E 13 75 E 15 75 E 17 80 E 17 90 E 17 100 E 17 120 E 24-E28 130 E 24-E28 150 E 24-E28 180 E 24-E28 Eng.F4AE0481-F4AE0681 NEF 67TE2F-F4AE341	F4AE0-4881 F4AE0-4681 F4AE341	2001 2010	3920 4500 5880	4 6		IN	4895052	5626	33.0	7	124.6	PN	30	A						
						EX	4895051	5627	33.0	7	124.3	PN	45	A						
FIAT IVECO																				
Daily 2300 16v Eng.F1AE0481 Eng.F1CE0481	F1AE0481 F1CE0481	2005	2287	4		IN	504069199 500362855 504378070	5628	30.0	6	120.4	PN	45	K						
						EX	500362856	5629	30.0	6	120.4	PN	45	K						
FIAT IVECO																				
STRALIS 190 S 48 260 S 48-S 54 440 S 48-S 54 Eng F3BE0681 CURSOR 10TE2 CURSOR 13TE2 CURSOR C13B5	F3BE0681	2004 2008	12882	6		IN	500355778	5634	47.0	10	199.1	PN	30	A						
						EX	504080352 500355780 504293892	5635	45.9	10	197.8	PN	45	A						
FIAT IVECO																				
Daily 3000 16v Eng.F1C3 SOFIM S30	F1C3	2005	2998	4		IN	504072531 504238926	5640	32.4	6	119.9	PN	30	K						
						EX	504081062 504238928 504184682	5641	32.3	6	119.9	PN	30	K						
						IN	504053804	G5S2811	10.03	6.02	49				MS					
						EX	504053804	G5S2811	10.03	6.02	49				MS					
FIAT AUTO																				
500 D / F / G / L 500 Giardiniera 500 R / 126 (11/13/14/17 KW)		1961 1967 1973 1977	499 594 652	2		IN	4058859 4062108 4294098	0204	32.0	8	115.5	CV	45	C						
						EX	4294099	0219	28.0	8	115.5	PN	45	K						
						EX	4374855 5977214 4340268 4146638 4094941	0205	28.0	8	116.0	PN	45	C						
						IN	987064	G50029	13.06	8.02	59				Br					
						EX	987064	G50480	14.06	8.02	59				Gh					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
FIAT AUTO															
600 D		1960	760	4		IN	4132958	0210	25.5	7	92.0	PN	45	B	
						EX	4064702	0211	23.5	7	92.0	PN	45	B	
						IN		G50146	13.03	7.02	42				Gh
						EX		G50146	13.03	7.02	42				Gh
FIAT AUTO															
850 850 Special 850 Coupé Spider 900E (35 KW)		1965/68	843	4		IN	4121897	0212	27.0	7	92.0	PN	45	B	
						IN	4265690	0214	29.0	7	95.0	CV	45	B	
						EX	4121898	0213	25.0	7	92.0	PN	45	B	
						EX	5977614 4265692	0215	26.0	7	95.0	PN	45	B	
						IN		G50045	13.03	7.02	46				Gh
						EX		G50045	13.03	7.02	46				Gh
FIAT AUTO															
Panda 750 Young Panda 34 Uno 45 S / SL Sting Fiorino 900 Nuova 500 / 900 127 CL / Special / Super 900 E - Fiorino Panda 45 / 45S 850 Sport Coupé 850 Sport Spider Micro Panda 4x4 600 Eng. 29 W (25/33/35/38 KW)	29W	1968	769	4		IN	46407749	0220	29.0	7	95.0	CV	45	A	
							4265695								
							46427459								
							5959564								
						EX	4266321	0222	26.0	7	95.0	PN	45	K	
						EX	7783841	0221	26.0	7	95.5	PN	45	A	
							7736408								
							5973130								
							5959563								
							4377979								
	4183555														
IN	4265699	G50507	13.03	7.02	42.5					Gh					
EX	4265699	G50507	13.03	7.02	42.5					Gh					
FIAT AUTO															
Panda 30 Panda 30 Super (22 KW)		1980	652	2		IN	5976236	0223	34.5	8	115.5	PN	45	C	
							4400640								
						EX	4374855	0205	28.0	8	116.0	PN	45	C	
							4094941								
							4340268								
	5977214														
	4146638														
IN	5924098	G51801	14.06	8.02	57.5					Gh					
EX	987064	G50029	13.06	8.02	59					Br					
FIAT AUTO															
1100D - R		1966	1089	4		IN	4137337	0231	32.0	8	105.0	PN	45	LB	
						EX	4137338	0232	30.0	8	105.5	PN	45	LB	
IN	4137339														
EX	4137339														

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
FIAT AUTO																			
124 Berlina 124 Special Furgone 238 - 241 A (48 KW)		1966	1197 1438	4		IN	4250799	0233	34.5	8	99.5	PN	45	B					
						EX	4147475 4250800 4252787	0234	31.0	8	100.0	PN	45	B					
																			
						IN		G50173	14.06	8.02	42							Gh	
EX		G50177	14.06	8.02	45.5								Gh						
FIAT AUTO																			
1300 1500 1800 B 2300		1961 1969	1295 1481 1795 2279	4 6		IN	4080364	0239	34.0	8	110.5	PN	45	LB					
						EX	4111154	0240	31.0	8	106.0	PN	45	LB					
																			
						IN													
EX																			
FIAT AUTO																			
1500 C / Polski Zastava (55 KW)		1966	1300 1481	4		IN	4127674	0243	35.0	8	110.0	PN	45	LB					
						EX	4127675 4146641	0244	31.5	8	105.0	PN	45	LB					
																			
						IN		G50164	15.03	8.02	40.5							Gh	
EX		G50168	15.03	8.02	47							Gh							
FIAT AUTO																			
Ritmo 75 V CL Ritmo Super 85 X1 / 9 - Five Speed Nuova Ritmo 85 / 85 S Regata / Ritmo 85 Ritmo / Uno OA50 Uno 75 Regata 85 S Aut. Uno Turbo (55/61 KW)	128A000 138C2048 146A4000	1979 1981 1981 1983 1985 1986 1989	1498 1301	4		IN	4460697 5999660 4239917	0247	36.0	8	108.5	PN	45	A					
						EX	4319339 5973129 7565813 4403047	2710	33.5	8	109.0	PN	45	A					
																			
						IN	4250803	G51467	14.06	8.02	46.5							Gh	
						EX	4250803	G51467	14.06	8.02	46.5							Gh	
						EX	4250803	G51467	14.06	8.02	46.5								Gh
FIAT AUTO																			
131 Supermirafiori 125 / 132 GL / GLS 124 Special T 1.6i. 131 Super 132 1.6i. / Argenta 131 Racing Panorama 125 Special 124 Spider Coupé OHC 132 GLS - 1.8i. 124 Abarth Rally 1.8i. 131 Super 2000 Spidereuropa Argenta (59/66/70/72/74/78 83/85/90) kW		1967 1968 1972 1974 1975 1976 1978 1980 1981 1983 1985	1367 1592 1595 1608 1756 1995	4		IN	4173746 4255694 4255779	0253	41.8	8	106.5	CV	45	A					
						IN	4300760	0255	42.5	8	106.5	CV	45	A					
						EX	5953041 4293992 4469661 5975341 7597080 7631719 4359309	0254	36.2	8	105.7	PN	45	A					
																			
						IN		G50173	14.06	8.02	42							Gh	
						EX	4250801	G52603	14.06	8.02	42							Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.		
FIAT AUTO																	
127 Special / Super / C / CL / L / Fiorino / Sport / Berlina / Panorama Ritmo 60 L Uno 60 Duna 60 / Weekend Nuovo Fiorino Duna 70 / Weekend 127 Sport / Nuovo Fiorino (37/40/43/44/49 KW)		1977	1049	4		IN	4340118	0264	34.0	8	110.0	PN	45	A			
		1978	1116			IN	4412816	2707	36.5	8	110.0	PN	45	A			
		1979	1301			EX	4340119	2920	29.0	8	110.5	PN	45	A			
		1986					4412822										
		1987															
		1988															
FIAT AUTO																	
126 / 650 Personal 126 Bis (18 KW)		1978	650	2		IN	4379986	0266	33.0	8	115.5	PN	45	C			
		1987	704			EX	4294099	0219	28.0	8	115.5	PN	45	K			
						EX	4094941	0205	28.0	8	116.0	PN	45	C			
							4146638										
							4374855										
						IN	4294108	G50480	14.06	8.02	59				Gh		
						EX	987064	G50480	14.06	8.02	59				Gh		
FIAT AUTO																	
131 1.3 Supermirafiori TC (58 KW)		1981/83	1301 1365	4		IN	82316779	0462	37.5	8	107.0	PN	45	A			
						EX	82336458	0463	34.0	8	107.0	PN	45	A			
							82399550										
						IN		G50173	14.06	8.02	42				Gh		
						EX	4250803	G51467	14.06	8.02	46.5				Gh		
FIAT AUTO																	
131 Mirafiori L / CL 131 1.6 Furgone 242 B Campagnola (41/55 KW)		1974	1297 1585 1995	4		IN	4351237	728	34.5	8	100.5	PN	45	B			
						EX	4365782	0729	31.0	8	101.0	PN	45	B			
						EX	4351243	0263	34.0	8	101.0	PN	45	B			
							4365783										
																	
FIAT AUTO																	
Ulysse 2.0	RFU	1997	1998	4		IN	9153501780	0840	42.6	8	108.8	PN	45	K			
							9605936180										
						EX	9153501980	0841	34.5	8	108.4	PN	45	K			
							9614703280										
						IN		G52419	13.07	8.01	43.6				Br		
						EX	0221-21	G52422	13.07	8.01	50.6				Br		
FIAT AUTO																	
Ulysse 2.0 16V	RFV	1997	1998	4		IN	9628943380	0854	34.6	6	106.4	PN	45	A			
						EX	9629861180	0855	29.6	6	105.7	PN	45	A			
						IN	7616998	G52644	12065	6	40.8				Br		
						EX	7616998	G52244	14.03	7.02	51.3				Gh		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
FIAT AUTO															
Scudo 2.0 i.e. 16V	RFN	2000	1998	4		IN	9623950380	0875	33.3	6	106.1	CV	45	A	
						EX	9636001780	0876	28.9	6	103.6	PN	45	A	
						IN		G5S2646	12065	6	40.8				MS
						EX		G5S2646	12065	6	40.8				MS
FIAT AUTO															
Panda Metano	132A2000	2012	875	2		IN	55229667	1827	31.1	5	95.5	CV	30	K	
						EX	55231995	1828	26.1	5	95.6	PN	30	K	
						IN									
						EX									
FIAT AUTO															
Croma 2.2 16V	939A600	2006	2198	4		IN	71739277	2192	35.1	6	102.2	CV	45	K	
						EX	71739320	2193	30.1	6	100.9	CV	45	K	
						IN									
						EX									
FIAT AUTO															
Doblò 1.4GPL	198A4000	2010	1368	4		IN	55225886	2652	26.8	6	95.2	CV	30	K	
						EX	55225887	2653	23.0	6	94.6	CV	30	K	
						IN	46518800	G5S2525	10.06	6.02	39.7				MS
						EX	46518800	G5S2525	10.06	6.02	39.7				MS
FIAT AUTO															
Croma 1.8 16V Ecotec Twinpor	Z18XEP Z18XER	2006	1800	4		IN	55557741	2660	31.2	5	113.9	CV	45	K	
						EX	71744388	2661	27.5	5	113.2	CV	45	K	
						IN									
						EX									
FIAT AUTO															
Grande Punto 1.4 16V Nuova Bravo 1.4 16V 500 1.4 i.e. 16V 500 Abarth Grande Punto Abarth Linea 1.4 16V Grande Punto 1.4 Turbo 16V Bravo 1.4 Turbo 16V		2007	1368	4		IN	55185028	2662	27.0	6	95.2	CV	45	K	
						EX	55206233 55239748 55185080	2663	22.4	6	94.6	PN	45	K	
						IN	46441525	G5S2524	10.03	6.02	39.7				MS
						EX	46441525	G5S2524	10.03	6.02	39.7				MS

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
FIAT AUTO 500 Sporting Punto 1.2 / 75 600 Panda 4x4 Punto 55 Punto 60 Palio 75 Doblò 1.2 (47 KW) NUOVA Panda 1.1	187A1000	1999	1100 1242	4		IN	7770334 46436048	2670	31.5	7	97.1	CV	45	A	
						EX	5942728 7666227 46514754	2683	27.5	7	97.2	PN	45	A	










FIAT AUTO Uno 45 Fire Panda 1000 S 4x4 Fire Eng. 156 A2 / A3.000 Tipo 1.1 Fire Uno 60 1.1 R / 89 Eng. 160 A3.000 Punto 1.1 SP / 55 Punto 1.2 SP / 60 Punto 60 SPI	156A2000	1985	999	4		IN	5942727 46406854 7666228	2682	30.4	7	97.0	CV	45	A	
	156A3000	1986	1108												
	160A3000	1988	1200												
		1989				EX	5942728 46514754 7666227	2683	27.5	7	97.2	PN	45	A	
		1998													


FIAT AUTO Tipo i.e. 16V Coupé 2.0 16 V / Turbo Croma 2.0 16V	160A5000	1990	1756	4		IN	7574739 7722907	2686	34.5	7	128.0	PN	45	A	
	160A8046	1990	1995												
		1992				EX	7598073 7574742 7650916 7611673	2687	28.5	7	125.6	PN	45	A	
		1993													
						IN	7616998	G52244	14.03	7.02	51.3				Gh
					EX	7616998	G52244	14.03	7.02	51.3				Gh	


FIAT AUTO Uno Turbo i.e. Uno Turbo i.e. R / 89 Punto GT (74/77/85/100 KW)	146A2000	1986	1301	4		IN	7565812	2696	36.0	8	108.5	PN	45	K	
	146A8000	1989	1372												
		1993				EX	7574881	2697	33.0	8	109.0	PN	45	K	
						IN	4250803	G52606	14.06	8.02	46.5				Gh
					EX	7552897	G52090	14.02	8.02	46.6				Br	


FIAT AUTO Polonez		1966	1481	4		IN		2698	35.0	8	110.0	PN	45	A	
						EX		2699	31.5	8	105.0	PN	45	A	
						IN		G50164	15.03	8.02	40.5				Gh
					EX		G50164	15.03	8.02	40.5				Gh	


FIAT AUTO 131 Mirafiori / OHV 131 L / CL / Panorama 131 CL Super 131 Mirafiori / OHV Campagnola 1107A (12V) Campagnola 1107A (24V) 242 / 18 Furgone / E / EFL / Pick-up 124 D / 238 B (41/48/55/61 KW)		1966	1197	4		IN	4376861	2702	34.5	8	100.5	PN	45	A	
		1974	1297												
		1976	1301												
		1978	1585			EX	5976805 4376864	2704	34.0	8	101.0	PN	45	A	
		1983	1595			EX	4376862	2703	31.0	8	101.0	PN	45	A	
	1986	1995													


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
FIAT AUTO																				
127 Special / Super / C / CL / L / Fiorino / Sport / Berlina / Panorama Ritmo 60 L Uno 60 Duna 60 / Weekend Nuovo Fiorino Duna 70 / Weekend 127 Sport / Nuovo Fiorino Palio Brasile (37/40/43/44/49 KW)		1977	1049	4		IN	46470637	2707	36.5	8	110.0	PN	45	A						
		1978	1116																	
		1979	1300																	
		1986	1301																	
		1987								EX	46470638	2920	29.0	8	110.5	PN	45	A		
		1988																		
FIAT AUTO																				
131 CL 1.3		1981	1365	4		IN	4415238	2715	33.5	8	112.2	PN	45	A						
							EX	4415239 5957451	2716	30.5	8	112.2	PN	45	A					
FIAT AUTO																				
131 CL 1.6 Croma 1.6 CHT Regata 84 CV (61 KW)		1981	1585	4		IN	4426397	2717	39.5	8	112.2	PN	45	A						
		1985	1600																	
		EX	4394134 5975849				2718	36.5	8	112.7	PN	45	A							
FIAT AUTO																				
Tipo 1.6 2 AGT Ritmo 100 S Ritmo 105 TC Nuova Ritmo 105 TC Tipo i.e. Regata 105 CV 131 CL / Super Regata 100 S Regata Weekend 100 S Tipo 1.8 i.e. GT Tempra 1.8 i.e. SX Croma i.e. Cromo CHT Cromo i.e. Turbo Nuova Ritmo 125 TC Ritmo 130 TC /		1980	1580	4		IN	7547400	2719	43.5	8	105.8	CV	45	A						
		1981	1585																	
		1985	1756																	
		1985	1995																	
		1986																		
		1988																		
		1989								EX	4293992 7631719 7597080 5975341 5953041 4359309 4469661	0254	36.2	8	105.7	PN	45	A		
		1990																		
		1992																		
											IN	4250801	G52603	14.06	8.02	42				Gh
											EX	4250801	G52603	14.06	8.02	42				Gh
FIAT AUTO																				
Bravo 1.4 12V Brava 1.4 12V	182A3.000 182A5.000		1370	4		IN	7712114	2910	30.5	7	110.4	PN	45	A						
							EX	46413334	2911	35.5	7	110.4	PN	45	A					
						IN	7757052	G52475	13.06	7.02	42.5				Gh					
						EX	7779402	G52477	13.03	7.02	46				Gh					









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.						
FIAT AUTO																					
Bravo 1.6 16V Marea 1.6 16V Multipla 1.6 16V Multipla Bipower / Blupower Marea Bipower / Blupower Bravo 115 Marea 115 Palio 100 Stilo 1.6 16V 103 CV Doblo' 1.6 16V New Multipla 1.6 16V	182B6000	1999 2001 2004	1596 1581 1747	4		IN	55192067	2912	30.3	7	102.5	CV	45	A							
							46413806														
							46462158														
							46517325														
							46761369														
							55183592														
												EX	46413807	2913	29.8	7	102.4	CV	45	A	
												46462159									
												55196738									
					46461209																
					46761370																
						IN	4265699	G50507	13.03	7.02	42.5				Gh						
						EX	7756897	G52474	13.03	7.02	42.5				Gh						

FIAT AUTO																					
Bravo 1.8 16V Brava 1.8 16V Barchetta 1.8 16V Nuova Barchetta 1.8 16V Marea 1.8 16V Coupé 1.8 16V Stilo 1.8 130 CV Stilo 2.4 20V	192A2000 192A4000	1998 2001 2003	1747	4		IN	7766564	2914	33.6	7	113.0	PN	45	K							
												EX	60674496	2915	28.1	7	108.5	PN	45	K	
												7766565									
						IN	60811090	G52477	13.03	7.02	46				Gh						
						EX	60811087	G52475	13.06	7.02	42.5				Gh						

FIAT AUTO																					
Bravo 2.0 HGT 20V Marea 2.0 20V Coupé 2.0 20V Coupé T 20V	182A1.000	1998	1108	5		IN	7735898	2916	30.0	7	113.1	PN	45	K							
							60812982														
												EX	7735899	2917	26.1	7	108.5	PN	45	K	
												46417653									
												60812981									

FIAT AUTO																					
New Panda 1.2 Doblò 1.2 Seicento 1.1 Panda 1.1 i.e. Strada 1.2 i.e.	223A5.000 187A1000 188A4000 188A5.000	2004	1108 1242	4		IN	55194993	2926	31.9	5	98.4	CV	45	K							
												EX	55194994	2927	27.3	5	98.7	CV	45	K	
						IN		G5S2821	10.03	5.02	44				MS						
						EX		G5S2821	10.03	5.02	44				MS						

FIAT AUTO																					
Idea 1.4 GPL-METANO Doblò 1.4 GPL-METANO Cubo 1.4 GPL - METANO	350A1000 199A7000	2009	1360	4		IN	55198341	2934	33.2	5	100.1	CV	30	K							
												EX	55198342	2935	28.0	5	100.8	CV	30	K	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
FIAT AUTO																
Sedici 1.6 16V Eng.Suzuki M16A	M16A	2006	1586	4		IN	71742050	2936	30.0	5.5	101.0	PN	45	A		
						EX	71747245	2937	25.0	5.5	99.0	PN	45	A		
						IN		G5S2771	10.6	5.5	40					MS
						EX		G5S2771	10.6	5.5	40					MS
FIAT AUTO DIESEL																
131 Mirafiori D Eng. 8144.65 131 /132 D Eng. 8144.65.300 131 D / Campagnola Eng. 8142.61 131 Mirafiori D 132 D / Argenta D Eng. 8144.61 Ducato (Eng. 8144.65) 131 Sofim Diesel 131 Panorama (44/53 KW)	814461 814465	1978 1978 1981 1983	1995 2445	4		IN	4733348	0281	40.9	8	121.9	PN	30	A		
						IN	4757358 7301820	2705	41.0	8	121.0	PN	30	A		
						IN	4741915	0280	41.0	8	122.0	PN	45	A		
						EX	4733349	2706	32.9	8	122.0	PN	45	A		
						IN	4749395	G51811	13.03	8.02	56					Gh
						EX	4733258	G51355	13.06	8.02	60					Gh
FIAT AUTO DIESEL																
Ulysse 2.1 TD Eng.XUD11BTE	XUD11BTE	1999	2088	4		IN	9600781780	0844	33.9	8	122.3	PN	45	K		
						EX	9604295780	0845	33.9	8	121.9	PN	45	K		
						IN		G52457	13.07	8.01	54.5					Br
						EX		G52457	13.07	8.01	54.5					Br
FIAT AUTO DIESEL																
Ulysse 2.0 JTD Scudo 2.0 JTD Ducato 11 2.0 JTD Ducato 15 2.0 JTD DW 10 TE (Peugeot) Scudo 1.9 JTD Eng.XUD9TF/L Eng. RHV Peugeot	DW10TE XUD9TF RHV	1999 2004	1997	4		IN	9624774280	0856	35.6	6	107.1	PN	45	K		
						EX	9624774580	0857	33.8	6	107.1	PN	45	K		
						IN		G52434	14.05	8.01	48					Br
						EX		G52434	14.05	8.01	48					Br
FIAT AUTO DIESEL																
Scudo 2.0 JTD 16V Eng.RHM-RHW Ulysse Van Ulysse 2.0 MJT 120 CV	RHM RHW	2001 2006	1997	4		IN	9635317980	0881	29.9	6	106.2	PN	45	K		
						EX	9635318480	0882	25.0	6	106.2	PN	45	K		
						IN		G5S2750	10065	6.01	41.5					MS
						EX		G5S2750	10065	6.01	41.5					MS
FIAT AUTO DIESEL																
Scudo 1.6 D Eng.9HV Peugeot	9HV	2006	1560	4		IN	9645024780	0898	25.6	5.5	96.4	CV	45	K		
						EX	9640840080	0899	23.4	5.5	96.6	PN	45	K		
						IN		G52836	9.55	5.51	34					Gh
						EX		G52836	9.55	5.51	34					Gh









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
FIAT AUTO DIESEL																	
Ducato 2.2 JTD Eng.4HV	4HV	2006	2198	4		IN	9660035980	1271	29.7	7	122.2	PN	30	K			
							EX	9660640080	1272	25.7	7	122.2	PN	45	K		
						IN		G52944	12.06	6.98	51.5			Gh			
						EX		G52944	12.06	6.98	51.5			Gh			

FIAT AUTO DIESEL																		
Multipla JTD 105 Bravo JTD 105 Brava JTD 105 Marea JTD 105 Marea JTD 130 Punto 1.9 JTD Stilo JTD 80 CV Stilo JTD 115 CV Eng. A3.000 Eng. A1.000 Nuova Punto 1.9 MJ Eng.188B2.000 Doblo' 1.9 JTD Eng.182B9.000 Idea 1.9 MJ Palio 1.9 JTD Nuova Bravo 1	188B2000 182B9000	1998 2001 2004 2006	1910 2387	4 5		IN	60814605	1404	35.5	8	115.0	PN	45	K				
							EX	46764378	1405	34.5	8	115.0	PN	45	K			
								55202630										
								60814604										
								46783962										
						IN	7565472	G52406	14.03	8.02	43			Gh				
						EX	7565472	G52406	14.03	8.02	43			Gh				













FIAT AUTO DIESEL																				
Croma 1.9 JTD Eng.939A2000 Stilo 1.9 JTD Eng.192A5000 Eng.937A5000 Croma 2.4 JTD 20V (Up to Engine 5553218)	939A2000 192A5000 937A5000	2004 2005 2006 2007	1910 2387	4 5		IN	55190248	2647	27.8	5	114.2	PN	45	K						
						IN	55210016	G5S2830	10.03	5.02	46.7			MS						
						EX	55210016	G5S2830	10.03	5.02	46.7			MS						

FIAT AUTO DIESEL																		
New Bravo 1.6 JTD 16V Grande Punto 1.6 MJT 16V Idea 1.6 MJT 16V Eng.198A1000-198A2000 Eng.955A3000 Eng.3502A2000	198A1000	2008	1598	4		IN	55205125	2654	26.5	5	114.4	PN	45	K				
							EX	55207955	2659	24.4	5	114.4	PN	45	K			
						IN	55210016	G5S2830	10.03	5.02	46.7			MS				
						EX	55210016	G5S2830	10.03	5.02	46.7			MS				

FIAT AUTO DIESEL																		
Bravo 1.9 TD 100 Brava 1.9 TD 100 Marea 1.9 TD 100 Marea 2.4 TD 125 Punto 1.9 DS Doblo' 1.9 D Eng.223A6.000 Eng.182A7.000	223A6000 182A7000	1998	1910 2387	4		IN	46527855	2672	37.5	8	114.3	PN	45	K				
							EX	46527856	2673	31.0	8	114.1	PN	45	K			
								7783225										
								7783225										
						IN	7565472	G52406	14.03	8.02	43			Gh				
						EX	7565472	G52406	14.03	8.02	43			Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
FIAT AUTO DIESEL																				
Uno 70 Turbo Diesel Eng. 127 A5.000 - Turbo (52 KW)	127A5000	1986	1367	4		IN	7553000	2678	33.0	8	117.0	CV	45	A						
							EX	7553004	2679	30.0	8	117.0	CV	45	A					
FIAT AUTO DIESEL																				
Croma 1.9 TD i.d. Eng. 154B.000 - Turbo Croma 2.0 TD (69 KW)	154B000	1988	1929	4		IN	7597566	2690	36.5	8	114.0	PN	45	A						
							EX	7597565	2691	33.5	8	114.0	PN	45	A					
FIAT AUTO DIESEL																				
Ducato / Nuova Argenta D 131 Supermirafiori D Eng. 8144.61 Daily / Ducato TD Eng. 8144.81 i.d. - Turbo Argenta TD Eng. 8144.81.200 - Turbo Croma TD Eng. 8144.91 - Turbo Argenta / Croma D Ducato D Eng. 8144.67 Daily (Eng. 8140.27) Croma TD En	8144 8140	1983 1983 1984 1986 1990 1991	2445 2499	4		IN	4757358	2705	41.0	8	121.0	PN	30	A						
								7301820												
							EX	4826033	2692+0.6T	34.5	8	122.0	PN	45	A					
							EX	7301821	2692	34.5	8	122.0	PN	45	A					
								7302157												
FIAT AUTO DIESEL																				
Ritmo Diesel L / CL Regata Diesel Duna Diesel Regata Weekend D Nuova Ritmo D 43 KW		1980/82 1983 1983/86 1987	1714			IN	4368843	2711	38.5	8	126.0	PN	45	A						
							EX	4368845	2712	33.5	8	126.0	PN	45	A					
								5996615												
FIAT AUTO DIESEL																				
127 D / Berlina / Fiorino Panda D / Uno D 127 / Panda Panorama D Eng. 127 A5.000 Uno Diesel S Panda Diesel (33 KW)	127A5000	1981 1983 1986	1301	4		IN	4424173	2713	34.0	8	112.0	PN	45	A						
							EX	4424174	2714	29.0	8	112.0	PN	45	A					
							IN	4373602	G50195	15.06	8.02	46.5				Gh				
							EX	4373602	G50195	15.06	8.02	46.5				Gh				
FIAT AUTO DIESEL																				
Grande Punto 1.3 MJ New Panda 1.3 MJ Idea 1.3 MJ Doblò 1.3 MJ 16V New 500 1.3 MJ 16V Cubo 1.3 MJ Punto Evo 1.3 MJ Eng. 188A9.000 Eng. 169A1.000	188A9000 169A1000	2003	1248	4		IN	55195680	2924	21.8	6	109.2	PN	45	K						
								46518930												
								55219793												
							EX	55208213	2925	21.8	6	109.2	PN	45	K					
								46518931												
							IN	46816601	G5S2805	10.03	6.02	43					MS			
EX	46816601	G5S2805	10.03	6.02	43					MS										

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
FIAT AUTO DIESEL															
Qubo 1.3 Mjet	312B1000	2010	1248	4		IN	55223835	2944	22.4	6	109.2	PN	45	K	
500 1.3 Mjet	312B2000						55270167								
Panda 1.3 Mjet	312B5000														
Doblò 1.3 Mjet															
Punto Evo 1.3 Mjet															
Grande Punto 1.3 Mjet						EX	55223836	2945							
Idea 1.3 Mjet							55270169								
Eng.312B1000															
312B2000															
312B5000															
FIAT INNOCENTI															
Koral 45	146A000	1990	903	4		IN	4265695	0220	29.0	7	95.0	CV	45	A	
Eng.146A.000															
						EX	4266321	0222	26.0	7	95.0	PN	45	K	
						EX	4377979	0221	26.0	7	95.5	PN	45	A	
						IN	4265699	G50507	13.03	7.02	42.5				Gh
						EX	4265699	G50507	13.03	7.02	42.5				Gh
FIAT INNOCENTI															
Koral 55	128A000	1990	1116	4		IN	4239917	0247	36.0	8	108.5	PN	45	A	
146A4.00	138C2048														
	146A4000														
						EX	4315062	0248	31.0	8	109.0	PN	45	A	
						IN	4250803	G51467	14.06	8.02	46.5				Gh
						EX	4250803	G51467	14.06	8.02	46.5				Gh
FIAT INNOCENTI															
Mille 1.0		1994	994	4		IN	4340118	0264	34.0	8	110.0	PN	45	A	
Mille Clip 1.0															
Eng.146C7.000															
						EX	4340119	2920	29.0	8	110.5	PN	45	A	
FIAT INNOCENTI															
Elba 1.4	160A1046	1993	1372 1580	4		IN	7609772	0319	37.5	8	108.5	PN	45	A	
Elba 1.6															
Mille 1.4 i.e.															
Eng.160A1.046															
						EX	5973128	0248	31.0	8	109.0	PN	45	A	
						EX	5973129	2710	33.5	8	109.0	PN	45	A	
						IN	4250803	G51467	14.06	8.02	46.5				Gh
						EX	4250803	G51467	14.06	8.02	46.5				Gh
FIAT INNOCENTI															
Elba 1.3 Carb.	146A5000	1991	1301	4		IN	4412816	2707	36.5	8	110.0	PN	45	A	
Eng.146A5.000															
						EX	4340119	2920	29.0	8	110.5	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
FIAT INNOCENTI DIESEL																	
Elba 1.7 DS Mille Clip 1.7 DS Eng.146B2.000			1697	4		IN	5990532	2694	37.4	8	116.6	PN	45	A			
							5990532										
							EX	7588577	2695+0.6T	33.5	8	116.6	PN	45	A		
						IN	4250803	G52606	14.06	8.02	46.5				Gh		
						EX	4250803	G52606	14.06	8.02	46.5				Gh		
FORD EUROPA																	
Fiesta 1.0 L / GL / Ghia Fiesta 45 / 45 HIFI (30/33 KW)		1976	957	4		IN	80BM6507AC	0342	33.0	7.9	106.0	PN	45	K			
							80BM6507BC										
							80BM6507AB										
							77BM6507AB										
						EX	84BM6505GA	0343	29.1	7.9	105.6	PN	45	K			
							77BM6505AC										
						IN		G51940	12.75	7.89	54				Gh		
						EX		G51940	12.75	7.89	54				Gh		
FORD EUROPA																	
Escort 1.1 Fiesta 1.1 (34/39/40/43 KW)		1976/83	1117	4		IN	77BM6507DB	0344	38.0	7.9	105.9	CV	45	K			
							80BM6507DC										
							EX	77BM6505DB	1333	29.1	7.9	106.6	PN	45	K		
							77BM6505EB										
						IN		G51940	12.75	7.89	54				Gh		
FORD EUROPA																	
Capri 2.8i. Granada 2.8i. / GL / GLS / L / LS / Ghia / Turnier Sierra XR4i. / XR 4x4 Capri 2.8i. Turbo Scorpio 2.8i. / GL / Ghia / 4x4 (90/99/111/118/138 KW)		1985	2792	6		IN	78TM6507AA	0354	42.0	8	105.6	CV	45	L			
							78TM6507BA										
							78TM6507CA										
							EX	78TM6505FA	1281	36.0	8	106.4	PN	45	K		
							78TM6505GA										
							78TM6505HA										
						IN		G51943	12.75	8.02	56				Gh		
						EX		G51943	12.75	8.02	56				Gh		
FORD EUROPA																	
Orion 1.3 L / GL Escort 1.3 L / GL / Ghia (51 KW)		1980	1295	4		IN	81SM6507KF	0360	42.0	8	135.0	CV	45	K			
							89SM6507AA										
							EX	81SM6505AF	0361	34.0	8	131.5	PN	45	K		
						IN	81SM6510LC	G51937	13.56	8.06	65				Gh		
						EX	81SM6510LC	G51937	13.56	8.06	65				Gh		




Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
FORD EUROPA															
Escort L / GL Ghia / XR3 / XR3i Orion / L / GL / Ghia Escort - Fiesta - Orion Escort RS - Turbo Escort - Orion - Sierra Fiesta XR2i (58/59/66/71/77/81/97 KW) Courier 1.3		1980 1986 1989 1990	1295	4		IN	89SM6507AA	0360	42.0	8	135.0	CV	45	K	
							6086114								
							81SM6507KF								
							6172656								
EX	81SM6505AG	0362	37.0	8	132.0	CV	45	K							
	81SM6505BG														
	V86SF6505AA														
	89SM6505AG														
		6103818													
						IN	81SM6510LC	G51937	13.56	8.06	65				Gh
						EX	81SM6510LC	G51937	13.56	8.06	65				Gh


FORD EUROPA																								
Focus 1.4 16V Fiesta 1.4 16V Eng.FHA-FHD-FHE-FXDD Zetec	FHA FHD FHE FXDD	1997	1388	4		IN	1051773	0380	28.1	6	97.4	CV	45	K										
							EX									1069529	0381	24.1	6	99.4	PN	45	K	
																1101934								
						IN		G52504	12.03	6.08	36				Gh									
						EX		G52504	12.03	6.08	36				Gh									


FORD EUROPA																								
Mondeo 1.6 16V Escort Eng. Zetec 16V Fiesta 1.6 16V Eng.L1T-L1V	L1T L1V	1996 1997 1998	1596	4		IN	6742922	0382	26.0	6	97.1	CV	45	K										
																1041830								
							EX									1033898	0383	24.5	6	96.7	CV	45	K	
																1023591								
						IN		G52504	12.03	6.08	36				Gh									
						EX		G52504	12.03	6.08	36				Gh									


FORD EUROPA																								
Fiesta 1.2 - 5L - 16V Eng. Zetec SE	Zetec SE	1997	1242	4		IN	97MM6507A2B	0384	26.1	6	97.7	CV	45	K										
																1051772								
							EX									56GC6505A2A	0385	22.1	6	99.7	CV	45	K	
																1139387								
						IN		G52504	12.03	6.08	36				Gh									
						EX		G52504	12.03	6.08	36				Gh									


FORD EUROPA																														
Fiesta 1.8i 16V Mondeo 1.8i 16V Fiesta / Orion / Mondeo Escort XR3i / CXR 16V Eng. Zeta - 16V Mondeo 2.0 / 2.0i 16V Escort 2.0 16V RS (77/96/110 KW) Congar 2.0 16V Eng. Zetec NGA Mondeo Duratec 2.0	RDA RQB RKA RKB	1991 1992	1796 1998	4		IN	1041838	0386	32.0	6	97.1	CV	45	K																
																928M6507F2A														
																IN	6640543	1340	32.0	6	97.1	CV	45	A						
																	6640544													
																	6640548													
																	928M6507D1A													
																					EX	1023593	1341	28.0	6	96.7	CV	45	A	
																						928M6505D2A								
							6640542																							
							948M6505B2A																							
							6911483																							
						EX	F8CZ6505AA	3501	28.0	6	96.5	CV	45	A																
						EX	1033899	0387	28.0	6	96.7	CV	45	K																
						IN		G52504	12.03	6.08	36				Gh															
						EX		G52504	12.03	6.08	36				Gh															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
FORD EUROPA																			
Focus 1.6 16V 90CV Eng. Zetec S Up to 10 - 2000 Kugar 1.6 16V 90 CV Mondeo 1.6 16V 90 CV	Zetec S	1999 2005	1596	4		IN	1053844	0390	27.0	6	98.2	CV	45	K					
						EX	1124512 1053842 1066044	0391	24.5	6	97.7	CV	45	K					

FORD EUROPA																			
Escort 940 Escort 1100 - 1100 Van Cortina MK II - MK III - MK IV Capri 1300 MK I - MK II Escort 1300. 1300 Van Escort 940 Fiesta 1.6 (27/30/34/36/40/47/49 KW)		1967/81 1981	940 1098 1298 1600	4		IN	771M6507DA 771M6507EA 771M6507GA 801M6507GA 801M6507JA	0398	36.0	7.9	111.0	CV	45	K					
						EX	711M6505GA 711M6505MA 711M6505NA 791M6505GA 791M6505JA	1343	31.5	7.9	110.5	PN	45	K					

FORD EUROPA																			
Focus 1.6 16V Zetec S 1.6 (from 01-2001) 110CV Fusion 1.6 16V Zetec EFI DOHC New Focus 1.6 Ti-VCT New Focus C Max VCT Eng.HWDA-HWDB Fiesta 1.6 16V New Mondeo 1.6 16V	EFIDOHC	2004 2007	1388 1596	4		IN	1320927 1122364 1S4G6507CA	1262	30.0	6	99.0	CV	45	K					
						EX	1S6C6505BA 1113189	1263	24.1	6	101.5	CV	45	K					

FORD EUROPA																			
Fiesta 1.4 16V ENG.Zetec EFI Dohc Fusion 1.4 16V Focus II 1.4 16V ENG.ASDA	ASDA	2003	1388	4		IN	1151997 1320926	1277	28.0	6	99.4	CV	45	K					
						EX	1113189	1263	24.1	6	101.5	CV	45	K					

FORD EUROPA																			
Sierra 2.0 Scorpio 2.0 Scorpio 2.0i 16V Galaxy 2.0 Eng. DOHC / DLI 2.0 - i (77/85/92 KW)	DOHC	1988 1989 1994	1993 1998	4		IN	7078139 88WM6507BA 95WM6507AA	1302	42.6	7	108.5	CV	45	K					
						EX	95WM6505AA 88WM6505EA 88WM6505DA 7078136 XC1G6505AA 1124347	1303	38.0	7	109.0	PN	45	K					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.		
FORD EUROPA																	
Fiesta 1.4 16V Puma 1.4 16V Eng. Zetec S FHA-FHE	Zetec S FHA FHE	1996	1328	4		IN	1012749	1306	28.1	6	97.4	CV	45	A			
							EX	1012747	1307	24.1	6	99.4	PN	45	A		
								IN		G52504	12.03	6.08	36				Gh
								EX		G52504	12.03	6.08	36				Gh

FORD EUROPA																	
Escort 1.6i / 16V Mondeo 1.6i / 16V Fiesta 1.6i / 16V (66 kW) Eng.L1V-L1E-L1J	L1E L1V L1J	1992 1993	1597	4		IN	928M6507C2A 6742921 928M6507C1A	1308	26.0	6	97.1	PN	45	A			
							EX	948M6505A2A 7314594 7314599	1309	24.5	6	96.7	CV	45	A		
								IN		G52504	12.03	6.08	36				Gh
								EX		G52504	12.03	6.08	36				Gh











FORD EUROPA																	
Focus 1.6 16V Zetec S 1.6 (from 05/1998 to 12/2000) 110 CV			1600	4		IN	98MM6507C2B 1072048	1312	30.0	6	96.9	CV	45	K			
							EX	1101934 XS6G6505B2A	0381	24.1	6	99.4	PN	45	K		
								IN		G52504	12.03	6.08	36				Gh
								EX		G52504	12.03	6.08	36				Gh


FORD EUROPA																	
New Focus 2.0 Mondeo 2.0 16V Focus C Max 2.0 16V Fiesta 2.0 16V S MAX 2.0 16V New Galaxy 2.0 New Mondeo 2.0 New Mondeo 2.3 Eng.Duratec HE Eng.CJBA-CJBB-AODA-AOWA	HE CJBA CJBB AODA AOWA	2004 2007	1999 2261	4		IN	1324132 1213175 1124377 1374186 1584022	1315	35.0	5.5	103.4	CV	45	A			
							EX	1324131 1124378 1584019	1316	30.0	5.5	104.6	PN	45	A		
								IN		G5S2775	11.05	5.53	39				MS
								EX		G5S2775	11.05	5.53	39				MS


FORD EUROPA																	
Focus C Max 1.8 16V Eng.CSDA-QQDA-QQDB Mondeo III 1.8 16V Eng.CFBA-CHBA-CGBA	CFBA CHBA CGBA	2004	1798	4		IN	1324691	1317	32.5	5.5	103.4	CV	45	A			
							EX	1324690	1318	28.0	5.5	104.6	CV	45	A		
								IN		G5S2775	11.05	5.53	39				MS
								EX		G5S2775	11.05	5.53	39				MS


FORD EUROPA																	
Escort XR3i 16V Escort RS 2000 16V Eng. DOHC (110 KW) Galaxy 2.3 Transit 330-350 2.3		1990 1991 1992	1993 2295	4		IN	91XM6507AC 7076363	1324	33.5	7	111.9	CV	45	K			
							EX	91XM6505AB 6576229	1325	30.0	7	111.6	PN	45	K		
								IN	6172956	G52500	13.55	7.06	43				Gh
								EX	6172956	G52500	13.55	7.06	43				Gh


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
FORD EUROPA																
Bronco II (USA) Scorpio Mercur (USA) Scorpio 2.4i (Eng. NAAO) (96/107 KW)		1987 1987/88	2933 2934	6V		IN	86TM6507FA	1326	42.1	8	105.0	CV	45	A		
							EX	86TM6505AD	1327	36.0	8	105.0	PN	45	K	
FORD EUROPA																
Scorpio 2.4i. Eng. V.24.EAO (96 KW)		1987/89	2694	6V		IN	88TM6507AA	1328	40.0	8	105.0	CV	45	L		
							EX	88TM6505AA	1329	34.0	8	105.0	PN	45	K	
FORD EUROPA																
Fiesta / Escort / Orion Eng. OHV Fiesta VAN / Escort / Orion (40 KW) KA KA 2 1.3 Courier 1.3 Eng. HCS 1.3 Eng. J4D-JJB-A9A-A9JA	OHV HCS J4B JJB A9A A9JA	1989 2001	1119 1300	4		IN	6165228 89BM6507BA	1332	34.5	7	104.0	CV	45	K		
							EX	74TM6507AB 89BM6505CA 1038606 1653978	1331	29.0	7	104.4	PN	45	K	
FORD EUROPA																
Scorpio 2.9 24V (143 KW)		1991	2935	V6		IN	919M6507AA	1336	34.0	7	105.5	PN	45	K		
							EX	919M6505AA	1337	30.0	7	104.0	PN	45	K	
						IN	6172956	G52500	13.55	7.06	43				Gh	
						EX	6172956	G52500	13.55	7.06	43				Gh	
FORD EUROPA																
Scorpio 1.8 GL / CL Sierra 1.8 GL / L / Ghia (66 KW)		1985	1796	4		IN	85HM6507FA	1338	42.0	8	112.3	PN	45	K		
							EX	85HM6505AA	1339	34.2	8	111.7	PN	45	K	
FORD EUROPA																
Capri 1.3 GT Escort / Fiesta 1.3 Cortina MK III / IV 1.3 Capri MK I / II / III 1.3 Capri MK I 1600 Cortina MK III 1600 Cortina MK II 1.6 E / GT		1967/70 1970/73 1970/81	1298 1599	4		IN	711M6507LA 801M6507CA	1342	38.2	7.9	111.0	CV	45	K		
							EX	711M6505GA 791M6505JA 791M6505GA	1343	31.5	7.9	110.5	PN	45	K	
						IN		G51921	11.16	7.91	60.3				Gh	
						EX		G51921	11.16	7.91	60.3				Gh	


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.							
FORD EUROPA																						
Capri MK II 1.6 G / GT / L / S / XL / Ghia Cortina GL / GLS / L / LS / S / Ghia Escort 1.6 RS / Mexico Granada GL / L / Ghia / Turnier Taurus 1.6 GL / GLS / GT / GXL / L / LS / S / XL / Ghia Transit GL / L / LE / Ghia / Turnier Transit 1.6 E (44/46)		1970 1979 1980 1982	1576 1593	4		IN	70HM6507AE	1354	42.0	8	113.2	CV	45	K								
							EX	70HM6505AF 78HM6505BA	1355	34.2	8	112.6	PN	45	K							
								IN		G51941	12.75	8.04	53.3								Gh	
FORD EUROPA																						
Transit FT 100 Eng. OHC (64 KW)	OHC	1978	1993	4		IN	70HM6507DD	1356	42.0	8	111.2	CV	45	K								
							EX	78HM6505CA	1364	36.0	8	111.2	PN	45	K							
																						
FORD EUROPA																						
Focus C-MAX Fiesta ENG.JQDA-JQDB	JQDA JQDB	2011 2013	1595	4		IN	1755220 1800892 BM5G6507AE	1856	30.0	5	98.8	CV	45	K								
							EX	1800711 BM5G6505BA	1857	24.9	5	99.7	PN	30	K							
																						
FORD EUROPA																						
Focus 2.0 T 16V Galaxy 2.0 T 16V Mondeo 2.0 T 16V S-Max 2.0 T 16V Eng. 2.0 Ecobust		2010	1948	4		IN	1675266	2266	32.5	5.5	103.4	CV	45	A								
							EX	1682170 5144989	2267	28.0	5.5	104.7	PN	45	A							
																						
FORD EUROPA DIESEL																						
Eng. 1.6i. Fiesta 1.6 D / LD Orino - Escort 1.6 LD / GLD / C / CL / CLX / Ghia (40 KW)		1984 1985	1608	4		IN	84FM6507CB 84FM6507AB 1631007 84FM6507AC 84FM6507BB	0340	34.9	8	107.3	PN	45	K								
							EX	84FM6505AC 1631002	0341	31.0	8	108.6	PN	45	K							
								IN EX	7402396 7402396	G52384 G52384	12.06 12.06	6.96 6.96	38 38							Br Br		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.	
FORD EUROPA DIESEL														
Escort / Fiesta / Orion 1.8 D Eng. 1.8 L Sierra 1.8 Eng. 1.8 Turbo Escort 1.8 TD Mondeo 1.8 TD (37/44/55/65 KW) Focus 1.8 TD / TDCi Eng. Lynx S MAX 1.8 TDCi NEW Galaxy 1.8 TDCi		1989 1990 1992 1998 2001 2006	1753	4		IN	6172851 1113197 89FF6507FA 1012773 6781619 6781621 93FF6507AF 89FF6507AA 89FF6507FB 1078433 93FF6507AA	0364	36.5	8	107.1	PN	45	K
						EX	6172854 6172845 6172848 93FF6505AA 89FF6505AA 89FF6505AA 89FF6505FA	0365	32.0	8	109.2	PN	45	K
						EX	1198044 1352129 1078429	1319	32.0	8	108.7	PN	45	K
						IN	7402396	G52564	12.76	8.01	38			Gh
						EX	7402396	G52564	12.76	8.01	38			Gh

FORD EUROPA DIESEL														
Transit D Eng. 2.5i. (34/52 KW)		1984	2496	4		IN	894F6507A1B 1050570	0368	42.0	9	124.5	PN	30	K
						EX	6200033 894F6505A1B	0369	36.3	9	123.9	PN	45	K
						IN		G51993	14.74	8.98	56.5			Gh
						EX		G51993	14.74	8.98	56.5			Gh

FORD EUROPA DIESEL														
York 144 cu. In. Transit Diesel Custom / York 216 cu. In. Eng. 2401. York - E Eng. 2402. York - E (43/46/64/68 KW)		1971 1978	2360 3540	4 6		IN	785F6507AAA	0400	44.3	9	123.8	CV	45	A
						IN	715F6507AAD	1348	44.3	9	126.3	CV	45	A
						EX	785F6505AAA	0401	36.3	9	124.1	CV	30	A
						EX	715F6505AAC	1349	36.3	9	126.6	CV	30	A
						IN		G51971	14.74	8.98	58			Gh
						EX		G51971	14.74	8.98	58			Gh

FORD EUROPA DIESEL														
Granada Diesel 1.9 Eng. XD 4.88 Granada 2.1 D Eng. XD 4.90 Granada - Scorpio - Sierra D / LD / GLD / Turnier 2.3 Eng. LXD 2 (40/47/49 KW)	XD LXD2	1977 1982	1984 2112 2304	4		IN	83EM6507AA	0626	40.4	8.5	116.2	PN	30	A
						IN	78EM6507AA	0616	40.4	8.5	116.2	PN	45	A
						EX	78EM6505AA	0617	33.4	8.5	116.2	PN	45	A
						IN	0220-16	G50943	14.05	8.51	55			Gh
						EX	0220-16	G50943	14.05	8.51	55			Gh

FORD EUROPA DIESEL														
Sierra 2.3 D Granada 2.3 D Eng. Peugeot Granada 2.5 LD / GLD Scorpio D Eng. XD3 (51 KW)	XD3	1981 1982 1984	2304 2498	4		IN	93500418 83EM6507BB	0824	42.5	8.5	116.0	PN	45	A
						EX	93500889 83EM6505AB	0825	35.5	8.5	116.2	PN	45	A
						IN	0220-16	G50943	14.05	8.51	55			Gh
						EX	0220-16	G50943	14.05	8.51	55			Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
FORD EUROPA DIESEL															
Focus C-Max Kuga Mondeo IV 2.0 TDCI Eng.RHE-RHH-DW10-TXBA-TXWA	RHE	2009	2000	4		IN	1683701	0848	27.3	6	104.5	PN	45	K	
	RHH	2010					9M5Q6507AA								
	DW10C-	2013													
	TXBA														
	TXWA				EX	1231930	0880	24.9	6	105.0	PN	45	K		

FORD EUROPA DIESEL																							
New Mondeo 2.0 TDCi (96-103 Kw) New Focus 2.0 16V TDCI Focus C MAX 2.0 TDCI S Max 2.0 TDCi (96-103 Kw) Kuga 2.0 TDCi 16V Eng.AZWA-QXWA-QXWB New Galaxy 2.0 TDCi (96-103 Kw) Eng.G6DA-G6DB Peugeot	G6DA G6DB	2004	1997	4		IN	1231931	0879	29.8	6	105.0	PN	45	K									
		2007																					
								EX								1231930	0880	24.9	6	105.0	PN	45	K
																		IN		G5S2750	10065	6.01	41.5
					EX		G5S2750	10065	6.01	41.5					MS								















FORD EUROPA DIESEL																								
Fiesta 1.4 TDCi Fusion 1.4 TDCi Eng. Duratorq TDCi Eng.F6JA-F6JB Peugeot	F6JA F6JB	2003	1399	4		IN	1145933	0894	32.8	5.5	97.3	CV	45	K										
							1152191																	
																EX	1145932	0895	30.3	5.5	97.3	PN	45	K
																	1152190							













FORD EUROPA DIESEL																							
New Focus 1.6 TDCi Focus C MAX 1.6 TDCi (66-80)Kw Fiesta 1.6 TDCi 16V Focus 1.8 TDCi Eng.HHJA-HHJB Peugeot	HHJA HHJB	2004	1560	4		IN	1229882	0898	25.6	5.5	96.4	CV	45	K									
		2006																					
								EX								1229883	0899	23.4	5.5	96.6	PN	45	K
																		IN		G52836	9.55	5.51	34
					EX		G52836	9.55	5.51	34					Gh								















FORD EUROPA DIESEL																								
Transit 2.0 TD 75 CV Nuovo Transit 280-300 2.0 TD 85 CV Nuovo Transit 280-300-330-350 2.0 TD 101 CV Mondeo 2.0 Duratorque Eng.PHFA-PHFC	PHFA PHFC	2001	2000	4		IN	1121333	1271	29.7	7	122.2	PN	30	K										
							1121331																	
																EX	1121332	1272	25.7	7	122.2	PN	45	K
																	1134466							
						IN		G52944	12.06	6.98	51.5				Gh									
						EX		G52944	12.06	6.98	51.5				Gh									











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
FORD EUROPA DIESEL																		
Nuovo Transit 300 2.4 TD Nuovo Transit 330 2.4 TD Nuovo Transit 350 2.4 TD Nuovo Transit 430 2.4 TD Eng.Duratorq (DT24N/P) Eng.F4FA-D2FA	DT24N DT24P F4FA D2FA	2001 2004	2402	4		IN	1096250	1275	31.3	7	122.2	PN	30	K				
							EX	1096248	1276	27.7	7	122.2	PN	45	K			
FORD EUROPA DIESEL																		
Everest TD 16V Ranger TD 16VMazda WL Eng.WLAA	WLAA	2009	2499 3000	4		IN	1449108 6M346507AA	1283	31.0	6	111.9	PN	45	A				
							EX	1449109 6M346505AA	1284	28.0	6	111.9	PN	45	A			
FORD EUROPA DIESEL																		
Eng. RF Mazda Econovan (53 KW)		1985	1998	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A				
							EX	RF0112121	1711	36.0	8	106.8	PN	45	A			
						IN		G5S2731	11.05	6.01	39			MS				
						EX		G5S2731	11.05	6.01	39			MS				
FORD EUROPA DIESEL																		
Ranger 2.5 TDi			2500	4		IN	3595890	1714	32.7	7	111.8	PN	45	A				
							EX	3595885	1715	35.6	7	111.8	PN	45	A			
						IN		G52930	12.05	7.02	46			Gh				
						EX		G52930	12.05	7.02	46			Gh				
FORD EUROPA DIESEL																		
Galaxy 1.9 TD (66 KW) Eng. AFN	AFN	1995	1896	4		IN	1669766	1948	36.0	8	96.9	PN	45	K				
							EX	1669772	1949	31.5	8	96.9	PN	45	K			
						IN		G51227	12.06	7.98	36.5			Br				
FORD EUROPA DIESEL																		
S-Max 2.2 TDCI 16V Mondeo 2.2 TDCI 16V Focus 2.0 Duratorq C-Max 2.0 Duratorq Kuga 2.0 Duratorq Mondeo 2.0 Duratorq Eng. DW10F Eng.Peugeot Q4AB	Q4AB DW10F	2008 2013	2000 2179	4		IN	0948E5 1451597 1871590	2258	27.2	6	95.8	PN	45	K				
							EX	0949E1 1427813 6G9Q6505AA	2259	25.0	6	95.0	CV	45	K			
						IN	0220-A2	G5S2750	10065	6.01	41.5			MS				
						EX	0220-A2	G5S2750	10065	6.01	41.5			MS				















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
FORD EUROPA DIESEL																		
Fiesta 1.4 TDCI Eng. KVJA	KVJA	2010	1399	4		IN	1685847 AV6Q6507AA	2274	30.2	5.5	95.5	PN	45	K				
							EX	1685845 AV6Q6505AA	2275	27.5	5.5	95.5	PN	45	K			
FORD EUROPA DIESEL																		
Ka 1.3 TDCI Eng. Fiat		2007	1242	4		IN	46518930	2924	21.8	6	109.2	PN	45	K				
							EX	46518931	2925	21.8	6	109.2	PN	45	K			
								IN	46816601	G552805	10.03	6.02	43				MS	
	EX	46816601	G552805	10.03	6.02	43					MS							
FORD EUROPA DIESEL																		
Galaxy 1.9 TD Eng. 66 KW / 81 KW		1998	1896	4		IN	1079769	2970	36.0	7	96.9	PN	45	K				
							EX	1049788	2971	31.5	7	96.9	PN	45	K			
								IN	1037143	G52470	12.06	6.98	36.5				Br	
	EX	1037143	G52470	12.06	6.98	36.5					Br							
FORD EUROPA DIESEL																		
Galaxy 1.9 TDI Eng. ANU-AUY-ASZ (WW19)	ANU AUY ASZ	1995 2000	1896	4		IN	1100679	3110	36.0	7	89.9	PN	45	K				
							EX	1100678	3111	31.5	7	89.9	PN	45	K			
FORD FORDSON																		
Eng. 4D Thames Trader - County - Major Eng. 4d / 592E - 220 cu. in. Super Major - Thames Trader Eng. 4d / 2706E / 2712E - 240 cu. in. D / M / N Series Eng. 2711E / 2712E - 255 cu. in. DN Series Eng. 6D / 2703E / 2708E - 330 cu. in. Thames Trader - Super Ma	4D 6D	1952 1957 1965 1968 1969 1969 1980 1982	3260 3610 3960 4162 5416 5945 5948 6227	4 6		IN	81710772	0193	43.8	9.5	158.9	PN	30	L				
							EIADDN6507											
							IN	510E507B	1369	44.0	9.5	155.5	PN	30	L			
							IN	813F6507DAA	1358	45.1	9.5	155.7	PN	30	L			
								693F6507BAA										
								703F6507AAA										
								723F6507AAA										
								723F6507GAA										
							EX	723F6505ABA	0195	39.1	9.5	156.5	PN	30	B			
								81854802										
								EIADDN6505C										
							EX	703F6505AAA	1359	39.1	9.5	156.5	PN	30	L			
	81596819																	
	723F6505GAA																	
	693F6505AAB																	
	2701E6505A																	
	813F6505DAA																	
	IN	EIADDN6510A	G50303	15.91	9.53	76.5					Gh							
	EX	EIADDN6510A	G50303	15.91	9.53	76.5					Gh							













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.																						
FORD FORDSON																																					
Eng. LD 250 2E / Dexta 2.0 Eng. ND2504E / Dexta 3.0 / 3600 Super Eng. 183 cu. in. Major 4000 / 4100 Eng. PD 2506E - 2512E / 201 cu. in. Major 4600 / 4000 Eng. RD 256 cu. in. Super Major 5000 Eng. 6Y 7A / 268 cu. in. Major 8600-8700	PD RD	1964 1976	2588 2868 3010 3294 4195 4395 6572	3 4 6		IN	C5NE6507A D3NN6507A 81823823 87800344	0198	45.8	9.4	145.9	PN	45	L																							
							EX									C5NE6505A 81843651 D3NN6505A	0199	38.4	9.4	145.9	PN	45	LB														
																IN									G51947	12.75	9.42	78.7			Gh						
																EX																G51947	12.75	9.42	78.7	Gh	
							FORD NAVISTAR																														
							7.3 L DIESEL TURBO																	1994. 2001				IN	F4T76507B 1823453C1	15238	42.6	8	147.4	PN	30	L	
EX	F4T76505C 1823452C1	15239	42.6	8	147.2	PN		37	L																												
																																					
FORD TRUCK LINCOLN																																					
Eng.281			4600			IN	XL3Z6507AA	1868	44.5	7	120.8	CV	45	K																							
							EX									3Z6505AA	1869	36.0	7	118.7	CV	45	K														
																																					
FORD TRUCK LINCOLN																																					
Eng. 300 CI LPG		1994 1996				IN	F5UZ6507A	5093	45.2	8.7	120.5	CV	45	B																							
							EX									F4T76505B	5094	39.6	8.7	120.5	PN	45	B														
																																					
FORD U.S.A. BRASILE																																					
Festiva		1988 1993	1300	4		IN	E8BZ6507A	2500	32.0	7	105.3	CV	45	A																							
							EX									E8BZ6505A	2501	28.0	7	104.1	PN	45	A														
																																					
FORD U.S.A. BRASILE																																					
Eng. AP 1.8 Berlina / Del Rey / Escort / Verona Eng. 20 WW			1800 2000	4		IN	035109601C	3048	38.0	8	98.7	PN	45	K																							
							EX									035109611F 035109611F	3007	33.2	8	98.5	PN	45	K														
																																					















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.	
FORD USA															
Explorer 4.0 LTS	4CAD		4015	V8		IN	F87Z6507BA	1858	46.0	7	115.0	CV	45	K	
							EX	F87Z6505BA 4438257 595093	1859	38.9	7	114.8	CV	45	K
															
FORD USA															
Mustang GT F-150 FX2 F-150 FX4 F-150 Lariat F-150 Premium	5.0L V8 Gas 5.0L V8 Flex	2011 2012 2013 2014 2015	5000	8		IN	BR3Z6507A	4240	37.25	6	119.5	CV	45	K	
							FR3Z6507A								
							EX	FR3Z6505A	4241	31.8	6	108.5	CV	45	K
							EX	BR3Z6505A	4235	31	6	108.6	CV	45	K
															
FORD USA															
Expedition Explorer F-150 Flex Police Interceptor sedan Police Interceptor utility Taurus Transit 150 Transit 250 Transit 350	3.5L V6 Gas	2016 2017	3500	6		IN	AA5Z6507A	4242	37	5.5	97.7	CV	45	A	
							EX	AA5Z6505A	4243	31	5.5	95.35	CV	45	A
															
FORD USA															
F-250 Super Duty F-350 Super Duty	6.7L V8 Diesel	2011 2012 2013 2014	6700	8		IN	BC3Z6507A	4244	33.8	7	133.2	PN	60	K	
							EX	CC3Z6505B	4245	30.45	7	133.15	PN	45	K
															
G.M.C.															
GMI Metro		1989/93	1000	3		IN	1291160B20 96060053	1380	35.0	5.5	84.1	CV	45	A	
							EX	96060054 1291560B70	1381	28.0	5.5	84.0	PN	45	A
															
G.M.C.															
Saturn 1.9 Dohc			1900			IN	21007038	1393	32.4	7	101.4	CV	45	A	
							EX	21007037 21000637 21007154	1394	27.4	7	100.8	CV	45	A
															



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
G.M.C.															
Saturn 1.9 Sohc			1900			IN	21007039	1395	39.9	7	138.8	CV	45	A	
						EX	21007040	1396	34.0	7	138.9	CV	45	A	
															
G.M.C.															
Pontiac SunFire Pontiac Grand AM Chevrolet Cavalier LS Chevrolet Malibu Saturn ION 1 Saturn Vue Eng.2.2L4		2004	2200	4		IN	12575793	2192	35.1	6	102.2	CV	45	K	
						EX	454518	2193	30.1	6	100.9	CV	45	K	
															
G.M.C.															
Tracker 2WD / 4WD Sidekick 2WD / 4WD		1989/93	1600			IN	96057952	2542	36.6	7	115.6	CV	45	A	
						EX	96067994	2543	32.5	7	114.5	CV	45	A	
															
G.M.C.															
2.2 Litre Engine 134 C.I.		1997	2200			IN	10198816	3700	43.9	7	138.8	CV	45	A	
						EX	10198817	3701	37.0	7	130.7	CV	45	A	
															
G.M.C.															
Pass 265 cu VIN W		1996 1997	4300 5700	V6 V8		IN	2114084 10241743	3702	49.2	8.7	123.9	CV	45	L	
						EX	2113234 12550909	3703	38.2	8.7	124.7	CV	45	L	
															
G.M.C.															
Eng. 395 CI Diesel	395	1994 1998	6500	V8		IN	14033927	3704	46.0	8.7	129.5	PN	45	LB	
						EX	10149663	3705	39.0	9.5	129.7	PN	45	LB	
															



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
G.M.C.																
Chevy Lumina Malibu Pontiac Buick		2004	3500	V6		IN	12568411	3708	44.7	8	118.9	CV	45	A		
							12577696									
							EX	12568412	3709	36.1	8	120.8	CV	45		A
								12577697								
																
G.M.C.																
C TRUCK K TRUCK HUMMER H2						IN	12617533	3710	55.0	8	123.9	CV	45	A		
							12590771									
							EX	12582719	3711	40.4	8	124.7	CV	45		A
								12612427								
																
G.M.C.																
BUICKHUMMER H3 Eng.Vortec 256C.I.	256CI	2921 3651 4200	2009	4 6		IN	12601763	4008	38.6	6	105.8	CV	45	K		
							EX	12601762	3706	33.5	6	107.9	CV	45		K
																
GAZ																
3308 3309	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7	4400	47.8	11	157.8	PN	30	B		
							2401007014B4									
							2401007014B9									
							EX	2401007015B6	4401	41.8	11	157.8	PN	45		B
2401007015B7																
																
GINAF																
X-Series 2219L X-Series 2220L X-Series 2221L X-Series 2222L X-Series 3232S X-Series 3238 X-Series 3329 X-Series 3331 X-Series 3335S X-Series 4241S X-Series 4243 X-Series 4449B X-Series 5250 X-Series 5460B	XE315C	1999	12580	6		IN	1603846	1848	45.5	9	163.3	PN	20	A		
							EX	1362696	1179	42.4	9	158.4	PN	45		A
								IN EX	1313683	G52835	15.06	9	77			
1313683	G52835	15.06	9	77	Gh											



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
GINAF															
X-Series 5364T X-Series 5376T	MX340	2008	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A	
						EX	1678541	2291	42.5	10	168.6	PN	30	A	
															
GINAF															
C-Series 2120N C-Series 2121N C-Series 2122N C-Series 2222N C-Series 3127N C-Series 3128N C-Series 3129N C-Series 3031N	F4AE0681A F4AE0681B F4AE0681D	2003	5880	6		IN	1404919	5626	33.0	7	124.6	PN	30	A	
						EX	1404918	5627	33.0	7	124.3	PN	45	A	
															
GULERYUZ															
Cobra GD 272	BF 6M 1013 FC		7146	6		IN	4255254	1524	48.0	9	139.0	PN	30	K	
						EX	4255255	1525	42.0	9	139.0	PN	45	K	
															
GULERYUZ															
Cobra GM 220	D 0826 LOH 03 D 0826 LOH 19	2006	6871	6		IN	51041010425	1630	49.0	10	136.6	PN	30	A	
						EX	51041010410	1631	42.0	10	136.3	PN	45	A	
							IN	51032011052	G52162	16.03	10	65			
	EX	51032011053	G52163	16.03	10	55				Gh					
GULERYUZ															
Cobra GD 160 CityBus Cobra GD 272 Cobra GL9 Cobra GL 9L	D 0834 LOH 61 D 0834 LOH 51 D 0836 LOH 55 D 0836 LOH 64 D 0836 LOH 56 D 0836 LOH 65	2010	4580 6871	6		IN	51041010537	2345	37.0	7	141.5	PN	30	K	
						EX	51041010538	2346	34.0	7	141.2	PN	45	K	
															
HILLMAN															
Cammer 1500 Hilman Minx Humber Sunbeam Hunter Commer Eng.4P105 Dodge Spacevan cast ironcylinder head	4P105	1961 1965 1966 1968 1972 1980	1496 1592 1725	4		IN	1218394	0422	36.5	7.9	118.5	CV	45	A	
						EX	1218383	0423	30.0	7.9	118.5	PN	45	A	
							IN		G50868	14.33	7.94	50.8			
	EX		G50869	14.33	7.94	54.8				Gh					



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
HILLMAN																
Hillman Hunter		1966	1725	4		IN	1235104	0428	38.5	7.9	118.5	CV	45	A		
Humber Spectre		1969														
Singer Gazelle / Vogue		1972														
Sunbeam Alpine / Rapier		1976														
Paykan		1980				EX	1240265 1235105	0429	30.5	7.9	118.5	PN	45	A		
Aluminium Cylinder Head																
Hillman Hunter GLS																
Sunbeam Rapier H120																
Holbay Cylinder Head						IN		G50868	14.33	7.94	50.8				Gh	
(45/49/50/60 KW)						EX		G50869	14.33	7.94	54.8				Gh	
HILLMAN																
Avenger 1.3		1970	1295	4		IN	25552500 71262713 25552400	3001	38.0	7.9	110.0	CV	45	A		
Avenger 1500 GIS / GT		1970	1498													
Avenger 1600 GLS / GT / TC / L / LS / SC / De Luxe / Super		1973	1598													
Sunbeam 1.6 SC / TC		1981														
(52/60/75 KW)						EX	25552800 71250985 71261358	3002	31.0	7.9	110.0	CV	45	A		
																
HONDA																
Acura (USA) - Legend	B20A	1985	2494	6		IN	14711PH3000	5182	33.0	6.5	104.5	CV	45	A		
Eng. C25A		1987	2765													
Acura (USA) - Legend																
Eng. C27A						EX	14721PH7000	5183	27.6	6.5	106.6	PN	45	A		
(127/132 KW)																
						IN	12204-PH7-305	G52323	12.07	6.6	47.5				Gh	
						EX	12205-PH7-305	G52324	12.07	6.6	53				Gh	
HONDA																
Prelude 16 V	B20A	1989	1958	4		IN	14711PH3000	5182	33.0	6.5	104.5	CV	45	A		
(98 KW)																
Eng. B20A																
						EX	14721PH3000	5611	28.0	6.5	106.0	CV	45	A		
						IN	12204-PH7-305	G52323	12.07	6.6	47.5				Gh	
						EX	12205-PM7-305	G52590	12.1	6.6	50				Gh	
HONDA																
Integra Type R		1998	1797	4		IN	14711P73J01	5197	33.0	5.5	101.9	CV	45	A		
						EX	14721PR3000	5823	27.9	5.5	102.3	CV	45	A		
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh	
						EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh	
HONDA																
Civic 1.4		1992/93	1396	4		IN	14711P07000	5583	27.4	5.5	120.0	CV	45	A		
Civic 1.5 VX V - TEC			1500													
Civic 1.5 LS			1590													
Civic 1.6 SR (dal 01/01/96) / CVT																
Accord LS						EX	14721P07000	5584	23.4	5.5	117.5	CV	45	A		
NR - V 1.6																
																



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
HONDA																		
Civic VII 1.4 16V Jazz III 1.4 16V Eng.L13Z1	L13Z1	2008	1339	4		IN	14711RB0000	5587	28.0	5.5	118.9	CV	45	A				
							EX	14721RB0000	5588	23.0	5.5	117.6	CV	45	A			
																		
HONDA																		
Accord VII 2.0 16V Eng.20A3	20A3	2008	1997	4		IN	14711R60000	5589	33.0	5.5	117.8	CV	45	A				
							EX	14721P2A000	5590	26.0	5.5	116.0	CV	45	A			
																		
HONDA																		
Civic 1.3 / 1.5 Eng. EV - EW (59/66 KW)	EN EW	1987	1342 1488	4		IN	14711PE0660	5604	30.0	6.6	112.8	CV	45	A				
							EX	14721PE0660	5605	29.0	6.6	113.8	CV	45	A			
						IN	12204-PA6-305	G52056	12.08	6.6	50				Gh			
						EX		G52057	12.08	6.6	55				Gh			
HONDA																		
Honda Civic 16V Eng. D 15 B - 16A - SOHC - DOCH	D15B	1988 1992 1994	1493 1596	4		IN	14711PM3000	5606	29.0	5.5	115.0	CV	45	A				
							EX	14721PM3000	5607	25.0	5.5	118.7	CV	45	A			
								14721P1KE01										
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh			
						EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh			
HONDA																		
Honda Acura Civic Hatchback 16V (88 KW) Eng.D16A	D16A	1988	1590	4		IN	14711PG6000	5608	30.0	6.5	105.5	CV	45	A				
							EX	14721PG6000	5609	27.0	6.5	104.5	CV	45	A			
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh			
						EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh			
HONDA																		
Shuttle 2.2 Aut.			2156	4		IN	14711POBA00	5610	31.9	5.5	111.8	CV	45	A				
							EX	14721PT6A00	5615	29.0	5.5	123.5	CV	45	A			
																		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
HONDA Accord 1.8 Accord 2.0 Prelude 2.0 Accord 2.2 16V (110 KW) Eng.F18A3-F20A3-F22	F18A3	1991	1950	4		IN	14711PT3A00	5614	34.0	5.5	112.0	CV	45	A			
	F20A3	1993	1997				14711P45601										
	F22	2155	14711PV1000														
								EX	14721PV1000	5825	29.0	5.5	125.0	CV		45	A
								EX	14721PT6A00 14721P45601 14721PT3A00	5615	29.0	5.5	123.5	CV		45	A
					IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh			
					EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh			













HONDA															
Legend 3.2 / 3.5 Acura		1997	3206 3474	V6		IN	14711PY3000	5616	33.0	5.5	114.7	CV	45	A	
							14711P5A000								
							EX	14721P5A000 14721PY3000	5617	28.0	5.5	117.6	CV	45	
															















HONDA															
JAZZ 1.2 DSI JAZZ 1.4 DSI Eng.L12A1-L13A1	L12A1 L13A1	2003	1246 1339	4		IN	14711PWA000	5800	32.0	5.5	118.3	CV	45	A	
							EX	14721PWA000	5801	28.0	5.5	118.0	CV	45	
					IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh	
					EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh	

HONDA															
Odyssey Accord Pilot Acura CL Acura TL Acura MDX Ridgeline		2006	2300	V6		IN	14711P8EA00	5802	35.0	5.5	116.0	CV	45	A	
							EX	14721P8EA00	5803	30.0	5.5	114.2	CV	45	
															















HONDA																							
CRX 1.6 (up to 31/12/95) Civic Del Sol EX Civic Ex / Exs Accord 1.6 i 16V Civic 1.6 SI (up to 31/12/95) Civic 1.4 (44 KW) Eng. D 14 E 1 Civic 1.6 V - Tec (84 KW) Eng. D 16 Y 5 Civic 1.4 (66 KW) Eng. D 14 Z2 Logo 1.3 (48 KW) Stream 1.7 (93 KW) Eng. D17A	D16W1 D16W5 D14Z6 D16V1 D17A	1998 1999 2000 2001 2003 2004 2005	1396 1590 1668	4		IN	14711P08000	5804	30.0	5.5	118.7	CV	45	A									
							14711P2A000																
							14711P1JE00																
											EX	14721P08000 14721P1JE00 14721P2A000	5805	26.0		5.5	116.0	CV	45	A			
												IN	12204-PJ7-305	G52319		11.06	5.53	47.5				Gh	
												EX	12204-PJ7-305	G52319		11.06	5.53	47.5				Gh	















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
HONDA																			
Stream 2.0 (115 kW) Accord 2.0 16V V-TEC Accord 2.4 16V V-TEC Straem 2.0 16V V-TEC FR-V 2.0 16V V-TEC Eng. K20A6-K20A9-K20A4	K20A4 K20A6 K20A9	2001 2003	1996	4		IN	14711PNA000	5806	35.0	5.5	109.1	CV	45	A					
						EX	14721PNA000 14721PRB000	5807	29.9	5.5	108.5	CV	45	A					
																			
						IN		G5S2680	11.1	5.53	41.5				MS				
						EX		G5S2683	11.1	5.53	45.5				MS				
HONDA																			
Civic 1.8 i Vtec FR-V 1.8 i 16V Vtec CR-V 2.0 i Vtec Eng.R18A2-R20A2	R18A2 R20A2	2006 2011	1799 1997	4		IN	14711RNA000	5808	32.0	5.5	116.7	CV	45	A					
						EX	14721P2A000	5805	26.0	5.5	116.0	CV	45	A					
																			
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh				
						EX	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh				
HONDA																			
S 2000 Eng. F20C - F22C1	F20CF- 22C1	2009		4		IN	14711PCX000	5810	35.9	5.5	109.7	PN	45	A					
						EX	14721PCX000	5811	31.0	5.5	108.7	PN	45	A					
																			
HONDA																			
Accord 2.4 V-Tec Eng.K24Z3	K24Z3	2011	3254	4		IN	14711R40A00	5812	36.0	5.5	108.7	CV	45	A					
						EX	14721R40A00	5811	31.0	5.5	108.7	PN	45	A					
																			
HONDA																			
Honda Civic 16V Prelude 2.3 16V Eng.H23A1	H23A1	1988	1493	4		IN	14711PT2000	5814	34.0	6.6	103.7	CV	45	A					
						EX	14721PT2000	5815	29.0	6.6	102.7	CV	45	A					
																			
HONDA																			
Accord 1.8 i 16V Accord 2.0 i 16V Accord 2.2 V-TEC 16V Shuttle 2.3 i 16V Accord 2.3 i 16V Eng.F18B2-F20B6-F23A7	F18B2 F20B6 F23A7	1998	1850 1997	4 V6		IN	14711POA000 14711PDAE00 14711POHA00	5818	34.0	5.5	116.0	CV	45	A					
						EX	14721POHA00 14721PDAE00 14721POA000	5819	29.0	5.5	114.0	CV	45	A					
																			
						IN	12204-PJ7-305	G52319	11.06	5.53	47.5				Gh				
						EX	12205-PJ7-305	G52320	11.06	5.53	54				Gh				









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
HONDA																		
Accord 2.2 Type R Prelude 2.2 V-TEC Eng. F22A8-H22A5	F22A8 H22A5	1993 1998	2157	4		IN	14711P13000	5820	35.0	5.5	106.7	CV	45	A				
							EX	14721P13000	5821	30.0	5.5	106.9	CV	45	A			
								IN	12204-P13-305	G52598	12.1	5.53	43.5				Gh	
	EX	12205-P13-305	G52599	12.1	5.53	52				Gh								
HONDA																		
Civic 1.6 V Tec. Dach 16V CRX 1.6 V Ti 16V Civic 1.8 Vti Eng. B16A2	B16A2	1992 1998	1590 1797	4		IN	14711PR3000	5822	33.0	5.5	102.3	CV	45	A				
							EX	14721PR3000	5823	27.9	5.5	102.3	CV	45	A			
								IN	12204-P17-305	G52319	11.06	5.53	47.5				Gh	
	EX	12205-P17-305	G52320	11.06	5.53	54				Gh								
HONDA																		
CR-V 2.0 Eng. B20B	B20B	1998	1973	4		IN	14711P75000 14711P75A00	5824	31.1	6.5	105.6	CV	45	A				
							EX	14721P75000 14721P75A00	5611	28.0	6.5	106.0	CV	45	A			
								IN	12204-PM7-305	G52589	12.1	6.6	45				Gh	
	EX	12205-PM7-305	G52590	12.1	6.6	50				Gh								
HONDA																		
NSX 3.2		1997	3179	V6		IN	14711PBY500	5826	36.0	5.5	112.4	CV	45	A				
							EX	14721PR7A00	5827	30.0	5.5	111.6	CV	45	A			
																		
HONDA DIESEL																		
Civic 2.0 TD Accord 2.0 Tdi 16V Eng. 20T2N	20T2N	1999	1994	4		IN	14711P5TG01	0674	37.2	7	86.7	PN	45	A				
							EX	14721P5TG01	0675	32.5	7	86.7	PN	45	A			
								IN		G52627	12.04	6.95	28				Gh	
	EX		G52627	12.04	6.95	28				Gh								
HONDA DIESEL																		
Civic 1.7 CTDi 16V Eng. 4EEZ	4EEZ	2003	1686	4		IN	14711PLZD00	2186	27.4	6	98.5	PN	45	A				
							EX	14721PLZD00	2187	26.5	6	98.1	PN	45	A			
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
HONDA DIESEL																		
Accord 2.2 CDTi CR-V CDTi 16V Civic 2.2 CDTi FR-V 2.2 CDTi Eng.N22A1-N22A2		2004 2006 2011	2204	4		IN	14711RBDE00	5618	28.1	5.5	100.7	PN	45	A				
							EX	14721RBDE00	5586	26.0	5.5	100.4	PN	45	A			
																		
HONDA DIESEL																		
Accord 2.2 i DTEC CR-V 2.2 i DTEC Eng.N22B1-N22B3	N22B1 N22B3	2011	2199	4		IN	14711RLOG00	5850	27.9	5.5	98.9	PN	45	A				
							EX	14721RLOG50	5851	26.0	5.5	98.9	PN	45	A			
																		
HONDA MOTORCYCLE																		
GC 125			125	1		IN	14711383000	5554	28.9	5.5	93.4	CV	45	A				
							EX	14721383000	5555	23.8	5.5	92.9	CV	45	A			
																		
HOWO																		
WD615		2005	9726	6		IN	61560050042	4402	55.0	11	159.1	PN	35	A				
							EX	61560050041	4403	50.0	11	159.2	PN	45	A			
																		
HYUNDAI																		
Pony (Eng. G36) Pony Stellar (Eng. 4G33) Stellar (Eng. G32B) (41/50/55/59/68/74 KW)		1974 1977 1983	1238 1439 1594	4		IN	MD000480	1422	38.0	8	106.0	PN	45	B				
							EX	MD000481	1423	31.0	8	102.5	PN	45	B			
																		
HYUNDAI																		
Execel 1.3 Pony 1.3 (Eng. G 13B) Pony 1.5 GLS (Eng. G15) (50/53 KW)	G4Aj	1985	1299 1468	4		IN	MD016460 2221121010	1428	34.0	6.6	102.1	CV	45	A				
							EX	MD016461 2221221004 2221221304	1429	30.0	6.6	100.9	CV	45	A			
																		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
HYUNDAI															
Lantra 1.6 16V	G4JP	2001	1599	4		IN	2221133000	1442	34.0	6.5	109.5	CV	45	A	
Lantra 1.8 16V	G4CS	2003	1795												
Sonica 2.0 16V	G4DR		1997												
Trajet 2.0 16V															
Santa Fè 2.4 16V						EX	2221233000	1443	30.5	6.5	109.7	CV	45	A	
Sonata 2.0															
Sonata 2.4															
Lantra 2.0 16V															
H 1 2.4 i 16V															
Eng. G4JP-G4CS-G4DR															
HYUNDAI															
i 10 1.1 12V	G4HG	2008	1086	4		IN	2221102200	2514	23.5	5.5	99.6	CV	45	A	
Eng. G4HG															
						EX	2221202200	2515	27.0	5.5	98.9	CV	45	A	
						IN	22114-02500	G5S2723	10.05	5.41	47				MS
						EX	22115-02500	G5S2719	10.05	5.5	48				MS
HYUNDAI															
Picanto 1.0 12V	G3LA	2011	998	3		IN	2221104000	3188	26.8	5.5	92.9	CV	45	A	
Eng. G3LA															
						EX	2221204000	3189	24.1	5.5	93.4	CV	45	A	
HYUNDAI															
i 10 1.2 16V	L2K	2011	1200	4		IN	2221103000	3190	26.8	5.5	101.0	CV	45	A	
i 20 1.2 16V	G4LA							2221103201							
Eng. L2K-G4LA															
						EX	2221203000	3191	24.5	5.5	101.1	CV	45	A	
							2221203201								
HYUNDAI															
Atos 1.0 12Coupè	G4HC	1999	999	4		IN	2221102510	3200	23.0	5.4	100.3	CV	45	A	
Atos Prime 1.1 12V		2004	1086					2221102500							
Getz 1.1 12V															
Eng. G4HC						EX	2221202500	3201	27.1	5.4	100.1	CV	45	A	
						IN		G5S2723	10.05	5.41	47				MS
HYUNDAI															
Elantra 1.6 16V	G4EE	2001	1599	4		IN	2221126600	3209	29.1	6	91.9	CV	45	A	
Coupè 1.6 16V (79 KW)		2003													
Getz 1.6 16V															
Matrix 1.6 16V						EX	2221226000	3210	25.0	6	92.4	CV	45	A	
Eng. G4ED-G4EE															
						IN	22114-26000	G5S2783	11.06	6.01	36.5				MS
						EX	22115-26000	G5S2734	11.06	6.01	41				MS













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
HYUNDAI																		
Lantra 1.6 16V	G4JP	2002	1975	4		IN	2221123600	3211	32.0	6	114.4	CV	45	A				
Lantra 1.8 16V	G4CS	2003	1795															
Sonica 2.0 16V	G4DR	2004																
Trajet 2.0 16V		2006																
Santa Fè 2.4 16V						EX	2221223600	3212	27.5	6	116.6	CV	45	A				
Sonata 2.0																		
Sonata 2.4																		
Lantra 2.0 16V						IN	22114-23901	G5S2725	11105	6.01	39				MS			
Elantra 2.0						EX	22114-23901	G5S2733	11.1	6.01	44.5				MS			
Tucson 2.0																		
HYUNDAI																		
Coupè	G4DG	up to 2000	1600	4		IN	2221123100	3213	30.0	6	102.9	CV	45	A				
Lantra																		
Eng.G4DG																		
						EX	2221223100	3214	25.5	6	105.3	CV	45	A				
																		
HYUNDAI																		
i 20 1.4	G4FA	2007	1396	4		IN	222112B000	3215	31.5	5.5	93.2	PN	45	A				
i 30 1.4 16V	G4FC																	
i 30 1.6 16V	G4FD																	
Accent IV 1.4						EX	222122B000	3216	26.0	5.5	92.6	CV	45	A				
Accent IV 1.6																		
Tucson 1.6 Gdi						IN	22114-2B000	G5S2924	10.05	5.53	40.5				MS			
Solaris IV 1.4						EX	22114-2B000	G5S2924	10.05	5.53	40.5				MS			
HYUNDAI																		
Coupè	G4GC	1999	1975	4		IN	2221123000	3217	32.0	6	102.3	CV	45	A				
Lantra 2.0 16V																		
Eng.G4GC																		
						EX	2221223000	3218	27.5	6	104.7	PN	45	A				
						IN	22114-23901	G5S2725	11105	6.01	39				MS			
						EX	22114-23901	G5S2733	11.1	6.01	44.5				MS			
HYUNDAI																		
Trajet 2.7 i V6 24V	G6B4	1999 2001	2493	V6		IN	2221137201	3219	32.0	6	96.2	PN	45	A				
Sonica 2.5 V6																		
Sonica 2.7 V6 24V																		
Santa Fé 2.7 V6						EX	21237200	3220	27.5	6	97.3	PN	45	A				
Tucson 2.7 V6 24V																		
Coupè 2.7 V6 24V						IN	22114-23000	G5S2731	11.05	6.01	39				MS			
Eng.G6BA						EX	22115-02500	G5S2735	11.1	6.01	43				MS			
HYUNDAI																		
Sonata 2.0 16V	G4KD	2008 2010	1998	4		IN	222112G000	3986	35.0	5.5	113.2	CV	45	A				
ix 2.0 16V																		
Eng.G4KD																		
						EX	2221225002	3987	29.0	5.5	105.8	CV	45	A				
																		









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.			
HYUNDAI																		
Accent 1.3 12V Accent 1.5 12V Lantra 1.5 12V Getz 1.3 12V Eng.G4EA-G4EB-G4EH-G4EK	G4N G4EK	2003	1341 1495	4		IN	2221122003	5520	27.4	6	99.0	PN	45	A				
							EX	2221222011	5521	32.0	6	98.4	CV	45	A			
																		
HYUNDAI																		
Scoupe 1.5 L / GT Eng.G4K-G4EB	G4K G4EB	1994 1999	1495	4		IN	2221122003	5520	27.4	6	99.0	PN	45	A				
							EX	2221222004	3198	32.0	6	99.2	CV	45	A			
																		
HYUNDAI DIESEL																		
Lantra 1.9 D Elantra 1.9 D Eng.XUD9AY/L3 Peugeot	XUD9	1999	1905	4		IN	2221129000	0816	38.5	8	112.5	PN	45	A				
							EX	2221229000	0821	33.0	8	112.0	PN	45	A			
																		
HYUNDAI DIESEL																		
H - 1 2.5 TD Eng. 4 BF Mitsubishi Porter 2.5 D Eng.D4BA-D4BX	D4BA D4BX	1999	2476	4		IN	2221142850	1440	40.0	8	136.5	PN	45	A				
							IN	2221142200	3204	42.0	8	136.0	PN	45	A			
							EX	21242200	3205	36.0	8	136.2	PN	45	A			
							EX	2221242850	1441	34.0	8	136.5	PN	45	A			
								IN	22114-42520	G52170	13.11	8	71				Gh	
EX	22115-42520	G52171	13.11	8	74					Gh								
HYUNDAI DIESEL																		
H 100 2.5 D/TD Galopper 2.5 TD Galopper 2.0 Tdi Terracan 2.9 CRDi Eng.D4BA-D4BB-D4BF-D4BH- D4BX Eng. Mitsubishi	D4BA D4BB D4BF D4BH D4BX	1999 2001 2003	2477 2902	4		IN	2221142520	1599	40.1	8	130.0	PN	45	A				
							EX	21242520	1600	34.0	8	129.7	PN	45	A			
								IN	22114-42000	G52746	13.07	8	71				Gh	
							EX	22115-42000	G52748	13.07	8	74					Gh	
HYUNDAI DIESEL																		
Terracan 2.9 CRDi Eng.J3TCi	J3TCi	2001	2902	4		IN	OK55112111A	2474	34.0	7	126.2	CV	45	A				
							EX	OK55112121A	2475	31.6	7	126.0	PN	45	A			
								IN	22114-42000	G52746	13.07	8	71				Gh	
EX	22115-42000	G52748	13.07	8	74					Gh								
HYUNDAI DIESEL																		
TUCSON 2.2 CRDI IX35 2.2 CRDI ENG.D4HA - D4HB	D4HA D4HB	2009 2010	1995 2199	4		IN	222112F000	3192	29.0	6	108.3	PN	45	K				
							EX	222122F001	3193	26.0	6	108.2	PN	45	K			
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
HYUNDAI DIESEL															
Trajet 2.0 CRDI (82 KW)	D3EA	2000	2168	4		IN	2221127001	3221	28.5	6	95.7	PN	45	A	
Santa Fe 2.0 CRDI	D4EA	2002	1991	3		EX	2221127000								
Matrix 1.5 CRDi		2004	1493												
Acccent 1.5 CRDi		2006													
Elantra 2.0 Crdi		2007				EX	2221227000	3222	24.4	6	95.4	PN	45	A	
Tucson 2.0 Crdi						EX	2221227001								
Santa Fe 2.2 Crdi						IN	22114-27000	G5S2720	11.05	6.01	36.6				MS
I 30 2.0 CRDI 16V						EX	22114-27000								
Eng.D3EA-D4EA															
HYUNDAI DIESEL															
Accent 1.5 CRDi 16V	D3FA	2005	1120	3		IN	222112A100	3223	26.1	5.5	93.1	PN	45	K	
Getz 1.5 CRDI 16V	D4FA	2004	1396	4											
Verna 1.5 CRDI 16V	D4FB	2007	1493												
Matrix 1.5 CRDI 16V	D4FC	2008	1582												
i 10 1.1 CRDI 12V	D4FD	2009	1685			EX	222122A100	3224	21.0	5.5	93.7	PN	45	K	
i 20-ix20 1.4 CRDI		2010													
i 30 1.4 CRDI		2011													
i 20 1.6 CRDI 16V						IN	22114-2A000	G5S2890	11.05	5.5	31.5				MS
i 30 1.6 CRDi 16V						EX	22115-2A000								
i 40 1.7 CRDI 16V															
ix 35 1.7 CRDI 16V															
Eng.D3FA-D4FA-D4FB-D4FC-D4FD															
HYUNDAI DIESEL															
H1 2.5 TDI	D4CB	2006	2497	4		IN	222114A061	3225	31.7	7	110.5	PN	45	K	
H 200 2.5 CRDI 16V		2008													
Eng.D4CB						EX	2124A061	3226	28.0	7	110.5	PN	45	K	
						IN	22114-4A000	G5S2848	12.06	7.02	43.3				MS
						EX	22114-4A000								
HYUNDAI DIESEL															
H100	D4FB	2004		4		IN	2221142861	3229	40.0	8	132.5	PN	45	A	
Eng. D4FB															
						EX	21242861	3230	34.0	8	132.4	PN	45	A	
HYUNDAI DIESEL															
H-100	D4BA			4		IN	2221142220	3707	42.0	8	132.2	PN	45	A	
Porter D4BA - D4BB	D4BB														
						EX	21242220	3228	36.0	8	132.0	PN	45	A	
INTERNATIONAL HARVESTER															
Eng. Perkins 6354		1963	5800	6		IN	795730R1	0587	44.2	9.5	122.8	PN	45	A	
1600. 1700. 1800. 1603. 1703. 1803. 1890 4x4															
173 / 183 FC - CO 1600 / 1800						EX	795729R1	0588	36.6	9.5	123.3	PN	45	A	
F 1700 / 1800 - M 1600 / 1700															
MC 1600 / 1700 (72 KW)						IN	796122R1	G50934	15.92	9.52	58				Gh
						EX									









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.				
INTERNATIONAL HARVESTER																			
Eng. D 179 Eng. D 239 - TD 239 Turbo Eng. D 358 - TD 358 Turbo (28/47/62/63/85/100/102 KW)		1965 1965 1972	2933 3910 5860	3 4 6		IN	3055055R2 3055055R1	1478	42.9	10	146.0	PN	45	A					
						EX	3055056R1 3055056R2	1479	40.9	10	146.0	PN	45	A					
							IN EX	3055022R1 3055022R1	G50873 G50873	16.05 16.05	10.02 10.02	79 79							Gh Gh
INTERNATIONAL HARVESTER																			
Eng. DI 575		1993		4		IN		3353	38.4	8.7	134.5	PN	45	A					
						EX		3357	35.8	8.7	134.5	PN	45	A					
							IN EX		G50164 G50164	15.03 15.03	8.02 8.02	40.5 40.5						Gh Gh	
INTERNATIONAL HARVESTER																			
Eng. D 414 Eng. DT 414 Turbo Eng. D 436 Eng. DT 436 Turbo Eng. D 466 Eng. DT / DTI 466 Turbo		1972		6		IN	675046C4 675046C2	5144	50.1	9.5	147.0	PN	30	L					
						EX	676865C4 676865C2	5145	40.6	9.5	147.0	PN	45	L					
																			
INTERNATIONAL HARVESTER																			
Eng. DT466-DT530	DT466 DT530					IN	1818580C1	15402	50.0	8	147.1	PN	30	B					
						EX	1824838C1	15403	45.4	8	152.3	PN	45	A					
																			
INTERNATIONAL HARVESTER																			
Navistar DT 408 DT 466 - 466E DT 530 - 530E		1993		6		IN	1823875C2	15502	45.4	9.44	152.2	PN	30	A					
						EX	1824840C1	15503	45.4	9.42	152.3	PN	45	A					
																			
INTERNATIONAL HARVESTER																			
Navistar Eng. 466	466					IN	1839968C1	15504	39.8	7.9	147.9	PN	30	A					
						EX	1842145C2	15505	36.5	7.9	147.6	PN	45	A					
																			


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
INTERNATIONAL HARVESTER																	
Navistar 6.4l			6400	8		IN	8C3Z6507A	15506	34.0	7	130.4	PN	37	A			
						EX	8C3Z6505A	15507	29.5	7	130.5	CV	40	A			
																	
ISUZU																	
Aska 2.0 Floria 2.0 Eng. 4ZC1 (81 KW)	4ZC1	1983	1994	4		IN	8941539690 8942512750	1104	42.4	8	110.6	CV	45	B			
						EX	8944410740 8971197510 8942514400 8942512760	1105	36.0	8	110.2	CV	45	B			
																	
						IN EX	8-942067620 8-942067630	G51697 G51698	12.05 12.05	7.99 7.99	45.9 55					Gh Gh	
ISUZU																	
Bellet / Faster Floria / Gemini / Uni Cab / Journey S / Elf 150 / Light Elf 1600 - Eng. G 161 Florian / 117 Coupé / Gemini / Luv Truck / I. Mark 1800 - Eng 180 Z Piazza / 117 Coupé / Trooper 4x4 / Impulse Eng. 200 Z (65/74/81 KW) LUV Eng: 4ZA1	161G 180Z 200Z 4ZA1	1980 1981	1584 1817 1949	4		IN	8942171780	1116	40.3	8	110.5	CV	45	B			
						EX	8942171790	1117	34.0	8	109.3	CV	45	B			
																	
ISUZU																	
KB 2.2 KB 2.2 4WD Rodeo 2.2	X22SE	1997	2198	4		IN	641022	2170	32.0	6	102.1	PN	45	K			
						EX	641325	2171	29.0	6	92.2	PN	45	K			
																	
ISUZU																	
Eng. 2S	2S			4		IN	8942519770	2619	36.0	7	105.1	CV	45	A			
						EX	8942519780	2627	31.0	7	105.1	PN	45	A			
																	
ISUZU																	
D1 Eng:2HC	2HC	1995		6		IN	8970274992	3902	34.0	6	114.0	CV	45	A			
						EX	8970141741	3903	30.0	6	99.4	CV	45	A			
																	


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
ISUZU																
NPR Eng.4HE1 TC	4HE1		4751	4		IN	8970338642	3904	49.9	9	140.9	PN	45	A		
							8970338641									
							EX	8972195092	3905	42.0	9	140.2	PN	45		A
								8971891140								
ISUZU																
NNR F- EVOLUTION NNR N- EVOLUTION Eng. 4HK1	4HK1			4		IN	8943958822	3906	37.0	8	130.6	PN	30	A		
							EX	8972098763	3907	37.0	8	130.2	PN	45		A
ISUZU																
NNR F-EVOLUTION Eng.4JJ1 NMR F-EVOLUTION NLS F-EVOLUTION NLR F-EVOLUTION N-EVOLUTION D-MAX Colorado Rodeo	4JJ1 4JK1			4		IN	8980169730	3908	33.0	7	107.5	PN	45	A		
							8973096751									
							EX	8980169741	3909	30.0	7	107.5	PN	45		A
								8973096771								
ISUZU DIESEL																
Eng. 4EC1 Chevrolet spectrum USA Gemini D Eng. T4 EC1 Turbo Gemini TD (38/49 KW)	4EC1 T4EC1	1984 1988	1488	4		IN	8943268430	2172	34.6	7	104.1	PN	45	A		
							EX	8941100173	2173	30.6	7	104.0	PN	45		A
								8941150592								
IN	642005	G52058	11.54	7.02	43				Gh							
EX	642005								G52058	11.54	7.02	43	Gh			
ISUZU DIESEL																
Journey S - Fester Rodeo Florian SII - Elf 150 Eng. C 190 (40 KW)	C190	1971/79	1951	4		IN	9125518020	2582	38.0	8	116.0	CV	45	A		
							EX	5125520260	2583	32.0	8	116.0	PN	45		A
IN	94029-347	G52149	14.03	8	50.3				Gh							
EX	94029-347								G52149	14.03	8	50.3	Gh			
ISUZU DIESEL																
Trooper 3.0 TD 16V Eng KJX1 (117 KW)	KJX1	2001	3000	4		IN	8971371540	2588	33.0	7	98.2	PN	45	A		
							EX	8971371551	2589	33.0	7	98.1	PN	45		A


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
ISUZU DIESEL																
Trooper 3.2 V6 24V Eng6VD1	6VD1	1998	3165	V6		IN	641049 8971319610	2621	34.0	6	103.8	CV	45	A		
						EX	641360 8971319620	2622	28.9	6	103.4	CV	45	A		
ISUZU DIESEL																
Rodeo S		1995				IN	8970155462	2623	33.9	6	99.1	CV	45	A		
						EX	8970155471	2624	30.0	6	105.5	CV	45	A		
ISUZU DIESEL																
Eng. 4JB1 - T Turbo Trooper (74 KW)	4JB1	1988/90	2772	4		IN	9944649210 8944649212	3910	40.1	8	118.1	PN	45	A		
						EX	8944332450 8982773830	5101	35.7	8	118.0	PN	45	A		
						IN	94029-347	G52149	14.03	8	50.3				Gh	
						EX	94029-347	G52149	14.03	8	50.3				Gh	
ISUZU DIESEL																
Pick-Up 3.1 TD Eng. 4JGZ D-MAX Eng.4JA1-4JH1	4JGZ 4JA1 4JH1	2001 2008	3100	4		IN	8971317290	5100	42.1	8	117.6	PN	45	A		
						EX	89704386H 8970438612	5101	35.7	8	118.0	PN	45	A		
JAGUAR																
XK8 4.0 XJ8 4.0 S-TYPE 4.2 XF 4.2 X 150		2002 2009	3500 4000 4200	V8		IN	AJ810945	9544	34.9	5	101.5	CV	45	A		
						EX	NCA2532AA	9545	30.9	5	101.3	PN	45	A		
JAGUAR																
2.4 MK II Eng.BG1001 XK150 3.4 MKII/S XJ6 4.2 MKX 420 G	BG1001	1961 1969	2482 3442 4235	6 8		IN	EAC1547	9547	44.5	7.8	105.4	CV	45	A		
						EX	EAC1548	9548	41.3	7.8	103.6	CV	45	A		


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
JAGUAR																
Jaguar X Type 3.0 Jaguar S Type Jaguar XF. XJ Eng AJ30	AJ30	2002 2010	2967	V6		IN	XR822776	9549	35.0	5.5	92.5	CV	45	A		
							EX	AJ810106	9550	30.0	5.5	91.7	CV	45	A	
																
JAGUAR DIESEL																
XF 2.2 TD Eng.224DT	224DT	2012	2179	4		IN	0948E5	2258	27.2	6	95.8	PN	45	K		
							EX	0949E1	2259	25.0	6	95.0	CV	45	K	
								IN	0220-A2	G5S2750	10065	6.01	41.5			
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS	
JEEP																
441 - 442 4/60 DJ3A DJ6a FC150	134 F	1971	2200	4		IN	637182	0430	39	9.4	147.7	PN	45	B		
							EX	637183	0431	37.3	9.4	147.7	PN	45	B	
								IN		G50451	16.7	9.51	70			
						EX		G50452	16.7	9.51	78.5				Gh	
JEEP																
Grand Cherokee Eng.HG-HB-LE-LX	HG HB LE LX	2008	5700	8		IN	53021550AA	4212	50.8	8	125.2	CV	45	K		
							EX	53021551AB 53021551AA	4213	39.4	8	123.1	CV	45	K	
																
JEEP																
Compass 2.0 Compass 2.4 Patriot 2.4 Eng ECN-ERZ-ED3	ECN ERZ ED3	2009 2009	1998 2360	4		IN	0948F2	4224	35.0	5.5	113.2	CV	45	A		
							EX	0949E7	4225	29.0	5.5	105.8	CV	45	A	
																
JEEP																
Cherokee 4.0			4000	6		IN	33003515R	4250	48.8	7.9	124.5	CV	45	A		
							EX	33003860R	4251	38.1	8	125.0	CV	45	A	
																


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
JEEP																		
Grand Cherokee 4.7 V8		2000	4700	6		IN	53020747AB	4252	48.7	7	113.8	CV	45	K				
						EX	53020748	4253	37.0	7	115.4	CV	45	K				
JEEP																		
Wrangler 2.5 Wrangler 4.0 (87/130 KW)			2464 2960	4 6		IN	53010512AA	4256	48.5	8	124.7	CV	45	K				
						EX	53010513AA	4257	38.0	8	125.5	CV	45	K				
JEEP DIESEL																		
Cheerokee 2.1 TD Eng.Renault J85708	J85708	1986	2068	4		IN	7701462232	0630	40.3	8	111.6	PN	45	A				
						EX	7701461339	0631	33.3	8	111.6	PN	45	A				
JEEP DIESEL																		
Grand Cherokee 2.7 CRD Eng.Mercedes OM612	OM612	2003	2685	5		IN	05073735AA	2792	30.1	7	104.0	PN	45	A				
						EX	05073737AA 05073738AA	2793	28.4	7	104.4	PN	45	A				
						IN	05080044AB	G5S2681	12.56	7	37.5				MS			
						EX	05080044AB	G5S2681	12.56	7	37.5				MS			
JEEP DIESEL																		
Compass 2.0 CRD Patriot 2.0 CRDI 16V Eng.VW Eng. ECD	ECD	2006	1968	4		IN	68001582AA	3120	29.1	6	87.8	PN	45	K				
						EX	68001583AA	3121	25.4	6	87.5	PN	45	K				
JEEP DIESEL																		
Cherokee 2.8 CRD		2003	2776	4		IN	05066770AA	4216	32.4	6	109.0	PN	45	K				
						EX	05066769AA	4217	30.9	6	108.3	PN	45	K				
						IN	5066773AA	G5S2902	11.03	6.01	44.5				MS			
						EX	5066773AA	G5S2902	11.03	6.01	44.5				MS			


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	U	M.
JEEP DIESEL															
Grand Cherokee 3.0 CRD Eng.Mercedes OM642.982	OM642 OM982	2005	3000	V6		IN	05175396AA	4218	28.5	6	102.3	PN	45	K	
						EX	05175397AA	4219	25.4	6	102.3	PN	45	K	
						IN		G5S2816	11.56	6	34.4				MS
						EX		G5S2816	11.56	6	34.4				MS


JEEP DIESEL															
WRANGLER 2.8 CRD Eng.ENS	ENS	2006 2008	2777	4		IN	68027469AA	4220	31.8	6	107.6	PN	45	K	
						EX	68027470AA	4221	29.2	6	107.8	PN	45	K	
						IN	5066773AA	G5S2902	11.03	6.01	44.5				MS
						EX	5066773AA	G5S2902	11.03	6.01	44.5				MS













JENBACHER																
Serie 2 Eng.J208 GS 16V Serie 3 Eng.J312 GS 24V Eng.J316 GS 32V Eng.J320 GS 40V	J208 GS J312 GS J316 GS J320 GS	1974 1988	16600 29200 38900 48700	8 12 16 20		IN	375631	5900	54.9	12	181.4	PN	30	A		
						EX	5630T00	5901	50.95	12	181.3	PN	20	A		
						IN										
						EX										

JENBACHER																
Serie 4 Eng.J412 GS 48V Eng.J416 GS 64V Eng.J420 GS 80V	J412 GS J416 GS J420 GS	2002	36720 48960 61200	12 16 20		IN	414487170	5902	49.0	12	217.6	PN	30	A		
						EX	369443T110	5903	48.0	12	217.5	PN	20	A		
						IN										
						EX										

JENBACHER																
Serie 6 Eng.J612 GS 48V Eng.J616 GS 64V Eng.J620 GS 80V Eng.J624 GS 96V	J612 GS J616 GS J620 GS J624 GS		74900 99800 124800 149700	12 16 20 24		IN	334781	5904	62.9	12.9	217.3	PN	30	A		
						EX	334782	5905	63	12.9	238.1	PN	30	A		
						IN										
						EX										

JOHN DEERE																
Marine Engine Eng. 6.068	6068	2007	6800	6		IN	R518806	3300	37.0	7	135.7	PN	30	AP		
						EX	R524875	3301	35.9	7	135.5	PN	30	AP		
						IN										
						EX										

JOHN DEERE																
Power tech 9000 660 UTS 8000 225 R			9000	6		IN	R520223	3304	40.0	8	162.4	PN	30	A		
						EX	R520224	3305	40.0	8	162.4	PN	30	A		
						IN										
						EX										

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
JOHN DEERE																
Series 9000-7700-7800 Eng.6.125	6125	2007	12500	6		IN	R122035	3306	46.5	9	196.0	PN	30	A		
							R516892									
							EX	R122035	3306	46.5	9	196.0	PN	30		A
							R516892									
JOHN DEERE																
Industrial Generator Eng. 4.024 Eng. 5.030	4024 5030	2007	2400 3000	4 5		IN	R502454	3308	37.0	7	123.6	PN	30	A		
							EX	R502455	3309	34.0	7	122.0	PN	30		A
JOHN DEERE																
6 - 531 A / T (not for use in 6.531 D)						IN	R90602	3310	51.6	11	168.7	PN	30	B		
							EX	R90601	3311	47.6	11	168.0	PN	45		B
JOHN DEERE																
All 300 Series Engines Cubic inch designated						IN	R79630	5069	45.0	9.44	131.0	PN	45	I		
							R79629									
							R79628									
							R79623									
						IN	R89224	5045	46.3	9.44	131.2	PN	30	I		
							R89222									
							R89223									
							R83071									
EX	R89227	5046	40.0	9.44	131.0	PN	30	I								
	R79625															
EX	R79626	5070	40.0	9.44	131.0	PN	45	I								
	R79627															
R79624																
JOHN DEERE																
4 - 270 (280.001 >) 6 - 404 D (215.000 >) 6 - 404 T / AC (> 245.546) 6 - 466 D						IN	R45004	5071	48.3	9.44	156.1	CV	45	I		
							R45005									
							R45003									
							R43883									
EX	R43787	5075	43.5	9.44	155.9	CV	45	B								
	R43788															
R43789																
R43679																





Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	I	M.			
JOHN DEERE																		
6 - 404 T / A (245.547 - 335.845)						IN	R43914	5072	44.5	9.44	155.7	PN	30	I				
							EX	R43789 R43679 R43787 R43788	5075	43.5	9.44	155.9	CV	45	B			



JOHN DEERE																	
6 - 404 T / A (335.846) 6 - 466 T / A						IN	R50358 R55055 R55057 R55059	5073	43.5	9.44	157.2	CV	30	I			
							EX	R55056 R55058 R50357 R55060	5074	43.6	9.44	157.8	CV	30	B		



JOHN DEERE																
6 - 619						IN	R75690	5077	51.6	11	169.1	PN	30	B		
							EX	R63982	5078	47.6	11	168.0	PN	45	B	



JOHN DEERE																
4 - 270 (157.002 - 280.000) 6 - 404 D (82.802 - 214.999)						IN	R44174	7011	48.3	9.44	148.6	PN	45	H		
							EX	R44175	7019	43.6	9.44	158.0	PN	45	H	



JOHN DEERE																
4039 D / T / A 4045 D / T / A 6059 D / T / A 6068 D / T / A						IN	R98062 R97490	7012	46.5	8	134.1	PN	30	A		
							EX	R97492 R90692	7014	42.5	8	133.5	PN	30	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
JOHN DEERE																
6076 T / A / H						IN	R84618 R93308 R93312	7015	51.0	9.44	153.9	CV	30	B		
						EX	R84619 R93313 R93311	7016	47.0	9.44	157.0	CV	30	L		
																









JOHN DEERE																
4 - 270 (> 157.001) 6 - 404 D (> 82.801)						IN	R26124	7017	45.2	9.44	159.0	PN	45	H		
						EX	R26123	7018	40.4	9.44	159.7	PN	45	H		
																













K.H.D.																	
Eng. F1L 514 / 62 F / A 2L 514 F / A 3L 514 F / A 4L 514 F / 6L 613 F / A 6L 514 / 614 F / A 8L 614 A 12L 612		1957	1330 2660 3990 5322 7412 7980 10640 15960	1 2 3 4 6 8 12		IN	3369307	0173	44.6	12	170.0	PN	45	F			
						EX	3369308	0174	41.6	12	170.0	PN	45	F			
												IN EX	3365788 3365788	G50126 G50126	18.03 18.03	12 12	75 75















K.H.D.																
Eng. F1L 514 Eng. F / A 2L 514 Eng. F / A 3L 514 Eng. F / A 4L 514 Eng. F / 6L 513 Eng. F / A 6L 514 / 614 Eng. F / A 6L 714 Eng. F / A 8L 614 Eng. F / A 8L 714 Eng. A 12L 612 Eng. 714 Turbo Eng. F / A 12L 714 Eng. BF 12L 714 Turbo (13/26/27/)		1959 1960 1962 1969	1330 2660 3990 5322 7412 7980 9500 10640 12667 15960 19000	1 2 3 4 8 12		IN	3358980 3358982	0175	44.6	10	170.0	PN	45	A		
						EX	3358984 3358981	0176	41.6	10	170.0	PN	45	A		
																













K.H.D.																				
Eng. F1L 511W Eng. F2L 511W Eng. F2L 912W Eng. F2L 912D Eng. F3L 912D Eng. F3L 912W Eng. F4L 912D Eng. F4L 912W Eng. F5L 912D Eng. F5L 912W Eng. BF 6L 912 - Turbo Eng. F6L 912D Eng. F6L 912W Eng. F6L 913 Eng. BF 6L 913 - Turbo Eng. BF 6L 91	F1L812- 912D F2L812- 912D F3L812- 912D F4L812- 912D F6L812- 912D	1967 1971 1972 1974 1979 1980 1992	825 1650 1884 2826 2768 4712 5640 5652 6128	1 2 3 4 5 6		IN	4153631 4153773 4150036 2137457 4153629 2137301	0177	43.0	8	133.0	PN	45	A						
						EX	4153697 2137300 2232717 2237221 3371776 4153696 4153696	0178	37.0	8	133.0	PN	45	A						
												IN EX	2232528 2232528	G51518 G51518	15.05 15.05	8 8	57.2 57.2			Gh Gh















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
K.H.D.																
Eng. F6L 312 Eng. F8L 312 Eng. F6L 814 Eng. F8L 814 (99/111/133/155 KW)		1966	From 7481 to 11633	6 8		IN	3361636	1494	50.6	10	165.0	PN	45	A		
							EX	3361616	1495	44.6	10	165.5	PN	45	A	
							IN	2414268	G50811	16.05	10	95				Gh
							EX	2414269	G50813	16.05	10	83				Gh
K.H.D.																
Eng. BF 4M 1012 Eng. BF 6m 1012 (65/98 KW)	BF4M1012 BF6M1012	1993	3200 4800	4 6		IN	4208095 4255216	1498	41.7	8	124.7	PN	30	K		
							EX	4208096 4255217	1499	35.9	8	124.7	PN	45	K	
							IN									
							EX									
K.H.D.																
Eng. F 1 - 2 - 3 - 4 L 310 Diesel		1960	570 1140 1710 2270	1 2 3 4		IN	3357290	1500	36.0	9	131.0	PN	45	C		
							EX	3357291	1501	32.0	9	131.0	PN	45	C	
							IN									
							EX									
K.H.D.																
Eng. F1L 812 Eng. F2L 812 Eng. F3L 812 Eng. F4L 812 Eng. F6L 712 Eng. F6L 812 Eng. F2L 912D Eng. F3L 912D Eng. F4L 912D Eng. F5L 912D Eng. F6L 912D Eng. F2L 912W Eng. F3L 912W Eng. F4L 912W Eng. F5L 912W Eng. F6L 912W (9/18/22/26/28/29/33/)		1957 1963 1967 1972 1992	850 1700 1884 1885 2550 2826 3400 3768 4710 4712 5100 5652	1 2 3 4 5 6		IN	2133730	1506	40.0	8	133.0	PN	45	A		
							IN	4153773 4153629 2137457 2137301	0177	43.0	8	133.0	PN	45	A	
							IN	4153455	5221	43.0	8	133.0	PN	30	A	
							EX	2934523 3371746	1507	35.0	8	133.0	PN	45	A	
							EX	4153696	0178	37.0	8	133.0	PN	45	A	
							IN	2232528	G51518	15.05	8	57.2				Gh
							EX	2232528	G51518	15.05	8	57.2				Gh
							IN									
							EX									
							K.H.D.									
Eng. F2 L 1011 Eng. F3 L 1011 Eng. F4 L 1011	F2L1011 F3L1011 F4L1011	1989	1366 2049 2732	2 3 4		IN	4170898 4272209	1508	40.1	8	124.7	PN	45	K		
							EX	4170899	1509	34.9	8	124.7	PN	45	K	
							IN									
							EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
K.H.D.															
Eng. F3L 912 W Eng. F3L 912 Eng. F3L 913 Eng. F4L 912 Eng. F4L 913 Eng. F5L 912 Eng. F5L 912 W Eng. F6L 912 Eng. F6L 912 W Eng. F6L 913		1993	2826 2830 3060 3770 4090 4710 5600 5652 6130	3 4 5 6		IN	4230567 4159138 4159136	1520	43.0	8	133.0	PN	45	K	
						EX	4159137	1521	37.0	8	133.0	PN	45	K	
						IN	2232528	G51518	15.05	8	57.2				Gh
						EX	2232528	G51518	15.05	8	57.2				Gh
K.H.D.															
Eng. BF 4l 913 C Eng. BF 6l 913 C		1993	4090 6130	4 6		IN	4159140	1522	43.0	8	133.0	PN	30	K	
						EX	4159139 4231804	5219	37.0	8	133.0	PN	30	K	
K.H.D.															
Eng. BF 4M 1013 Eng. BF 6M 1013	BF4M1013 BF6M1013	1993	4760 7150	4 6		IN	4204014 4255254 4283380	1524	48.0	9	139.0	PN	30	K	
						EX	4204015 4255255 4283381	1525	42.0	9	139.0	PN	45	K	
K.H.D.															
6M-8M 1015	BF6M BF8M	Eng. 1015	11905 15847	4		IN	04226413	1526	46.0	8	133.0	PN	30	K	
						EX	04226412	1527	42.0	8	132.9	PN	45	K	
K.H.D.															
BFG 1015C				6 8		IN	4267453 4225353 4226562	1526	46.0	8	133.0	PN	30	K	
						EX	4228353	2642	41.9	8	133.0	PN	30	K	
K.H.D.															
F4 912	F3L912 F4L912 F5L912 F6L912 F3L913 F4L913 F6L913	1993	2830 3060 3770 4090 4710 5600 6130	3 4 5 6		IN	4234951 4234952 4231479 4159136 4159136	2630	45.0	8	133.0	PN	45	K	
						EX	4159137 4231804	2631	37.0	8	133.0	PN	45	K	
						IN	2232528	G51518	15.05	8	57.2				Gh
						EX	2232528	G51518	15.05	8	57.2				Gh















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.			
K.H.D.																		
TCD 2.9 L4 Tier 4			2900	4		IN	4131597	2632	41.5	8	112.4	PN	30	K				
							EX	4131598	2633	35.4	8	112.1	PN	45	K			
																		
K.H.D.																		
TCD 3.6 L4 Tier 4			3600	4		IN	4124018	2634	42.0	8	116.3	PN	30	K				
							EX	4124019	2635	35.0	8	116.4	PN	45	K			
																		
K.H.D.																		
BFM 2012		2012	4000 6000	4 6		IN	4254934 4254284	2636	41.7	8	119.3	PN	30	K				
							EX	4254935 4254285	2637	35.9	8	119.4	PN	43	K			
																		
K.H.D.																		
TCD 2012				4		IN	4285985	2638	44.4	8	121.2	PN	30	K				
							EX	4285986	2639	38.7	8	121.2	PN	45	K			
																		
K.H.D.																		
TCD 2012				6		IN	4284042	2640	41.7	8	121.2	PN	30	K				
							EX	4284043	2641	35.9	8	121.2	PN	45	K			
																		
K.H.D.																		
Eng.TCDE4 2013				4		IN	04903005	5226	38.2	8	145.7	PN	30	K				
							EX	04903006	5227	35.8	8	145.8	PN	45	K			
																		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
KIA																
Magentis 2.0 16V Eng.G4JP	G4JP	2004	1997	4		IN	2221133000	1442	34.0	6.5	109.5	CV	45	A		
							EX	2221233000	1443	30.5	6.5	109.7	CV	45	A	
																
KIA																
Rondo 2.7 V6 Optima 2.7 V6 Sportage 2.7 V6		2010	2700	V6		IN	222113E000	2469	33.1	6	110.4	PN	45	A		
							EX	222123E000	2470	27.5	6	111.5	PN	45	A	
																
KIA																
Amanti 3.8 V6 Borrego 3.8 V6 Cadenza 3.3 V6 Sedona 3.5 V6 Sorento 3.3 V6		2010 2014	3300 3500 3800	V6		IN	222113C100 222113C800 222113C810	2471	36.1	5.5	105.3	CV	45	A		
							EX	222123C100 222123C800	2472	31.0	5.5	105.5	CV	45	A	
																
KIA																
Mentor 1.5 8V Sephia 1.6 16V SOHC Eng.B5	B5	2000	1568	4		IN	K95412111	2494	33.7	6	103.4	CV	45	A		
							EX	K01312121	2495	28.9	6	104.0	PN	45	A	
													G52571	11.05	6.01	48.6
							G52546	11.05	6.01	48.6				Gh		
KIA																
Pride GLXi			1124 1324	4		IN	MB30112111	2500	32.0	7	105.3	CV	45	A		
							EX	K15112121 K15012121	2501	28.0	7	104.1	PN	45	A	
																
KIA																
Rio 1.5 16V Eng.A5D	A5D	2002	1493	4		IN	OK30E12111	2502	27.8	5.5	96.4	CV	45	A		
							EX	OK30E12121	2503	24.9	5.5	95.5	CV	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.	
KIA																
Sportage 2.0 16V Clarus 2.0 16V Credos 2.0 16V Eng.FE (16V)	FE	2000	1988	4		IN	OK93012111	2504	38.1	7	103.7	CV	45	A		
							EX	OK93012121	2505	32.0	7	102.8	PN	45	A	
																
KIA																
Rio 1.3		2003	1343	4		IN	OK30C12111	2506	37.1	6.5	105.1	CV	45	A		
							EX	OK30C12121	2507	31.6	6.5	103.4	PN	45	A	
								IN	OK30C-10-291B	G5S2910	12.05	6.51	42.7			
					EX	OK30C-10-291B	G5S2910	12.05	6.51	42.7					MS	
KIA																
Mentor 1.8 i Carens 1.8 i Spectra 1.8 i Eng.TB-TE	TB TE	2003	1793	4		IN	OK24712111	2508	31.5	6	102.9	CV	45	A		
							EX	OK24712121	2509	27.0	6	101.5	PN	45	A	
																
KIA																
Carnival 2.5 V6 Eng.KR	KR	2003	2497	V6		IN	OK9BV12111	2510	31.5	6	89.8	CV	45	A		
							EX	OK56612121	2511	27.6	6	90.0	PN	45	A	
																
KIA																
Picanto 1.0 12V Picanto 1.1 12V Eng.G4HE-G4HG	G4HE G4HG	2004	999 1088	4		IN	2221102200	2514	23.5	5.5	99.6	CV	45	A		
							EX	2221202200	2515	27.0	5.5	98.9	CV	45	A	
								IN	22114-02500	G5S2723	10.05	5.41	47			
					EX	22115-02500	G5S2719	10.05	5.5	48				MS		
KIA																
Carens 1.6 16V Shuma 1.6 16V		2004	1594	4		IN	OK2NC12111	2516	29.1	5.5	96.0	CV	45	A		
							EX	OK2NC12121	2517	25.8	5.5	94.8	CV	45	A	
								IN	OK30E-10-281	G5S2856	9.55	5.53	42			
					EX	OK30E-10-281	G5S2856	9.55	5.53	42				MS		
KIA																
Opirus 3.5 24V Sorento 3.5 24V Eng.6G74	6G74	2004	3497	V6		IN	2221135520	2518	34.9	6.5	106.3	CV	45	A		
							EX	2221235500	2519	30.5	6.5	105.5	CV	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
KIA Sephia 1.5 Mentor 1.5	P47E	2006	1500	4		IN	OB6S712111	2526	31.0	6	105.4	CV	45	A				
						EX	OK93812121	2527	26.2	6	105.5	PN	45	A				
																		
KIA Picanto 1.0 12V Eng.G3LA	G3LA	2011	998	4		IN	2221104000	3188	26.8	5.5	92.9	CV	45	A				
						EX	2221204000	3189	24.1	5.5	93.4	CV	45	A				
																		
KIA Picanto 1.2 16V RIO 1.2 16V Eng.L2K	L2K G4LA	2011	1200	4		IN	2221103000 2221103201	3190	26.8	5.5	101.0	CV	45	A				
						EX	2221203000 2221203201	3191	24.5	5.5	101.1	CV	45	A				
																		
KIA						IN	OBP1B12111	3194	33.0	6	101.9	CV	45	A				
						EX	MBP0512121A	3195	27.9	6	101.9	PN	45	A				
																		
KIA Rio 1.4 16V Cerato 1.6 16V Carens 1.6 16V Eng.G4ED	G4ED	2004 2006	1399 1599	4		IN	2221126600	3209	29.1	6	91.9	CV	45	A				
						EX	2221226000	3210	25.0	6	92.4	CV	45	A				
						IN	22114-26000	G5S2783	11.06	6.01	36.5				MS			
					EX	22115-26000	G5S2734	11.06	6.01	41				MS				
KIA Sportage 2.0 16V Eng.G4GC	G4GC	2004	1975	4		IN	2221123600	3211	32.0	6	114.4	CV	45	A				
						EX	2221223600	3212	27.5	6	116.6	CV	45	A				
						IN	22114-23901	G5S2725	11.105	6.01	39				MS			
					EX	22114-23901	G5S2733	11.1	6.01	44.5				MS				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.													
KIA																												
Karens IV 1.6 16V Cee'd 1.4 Cee'd 1.6 Venga 1.4 16V Venga 1.6 16V Sportage 1.6 16V Soul 1.6 16V Eng.G4FA-G4FC-G4FD	G4FA G4FC G4FD	2006 2008 2010 2013	1396 1591	4		IN	222112B000	3215	31.5	5.5	93.2	PN	45	A														
							222112B400																					
							EX	222122B000								3216	26.0	5.5	92.6	CV	45	A						
	IN	22114-2B000	G5S2924	10.05	5.53	40.5									MS													
	EX	22114-2B000													G5S2924	10.05								5.53	40.5	MS		
KIA																												
Sportage 2.7 i V6 24V Optima 2.5 i V6 24V Eng DOHC-G6BA	G6BA	2004	2656	V6		IN	2221137201	3219	32.0	6	96.2	PN	45	A														
							EX	2221237200								3220	27.5	6	97.3	PN	45	A						
	IN	22114-23000	G5S2731	11.05	6.01	39									MS													
	EX	22115-02500													G5S2735	11.1								6.01	43	MS		
KIA																												
Rondo 2.4 Optima 2.0 16V-2.4 Sportage 2.0 16V Magnetis 2.0 16V Forte 2.0 16V - 2.4	G4KD	2009 2010 2012	1998 2400	4		IN	2221125000	3986	35.0	5.5	113.2	CV	45	A														
							2221125002																					
							222112G000																					
							EX	2221225000								3987	29.0	5.5	105.8	CV	45	A						
								2221225002																				
KIA DIESEL																												
Pregio 2.5 TDi-Tci K2500 2.5 Tci	D4BH	2004	2476	4		IN	2221142520	1599	40.1	8	130.0	PN	45	A														
							EX	2221242520								1600	34.0	8	129.7	PN	45	A						
	IN	22114-42000	G52746	13.07	8	71									Gh													
	EX	22115-42000													G52748	13.07								8	74	Gh		
KIA DIESEL																												
Besta 2.2 D Sportage 2.0 TD	RF R2	1994 1996	1998 2184	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A														
							EX	RF0112121B								1711	36.0	8	106.8	PN	45	A						
	IN		G5S2731	11.05	6.01	39									MS													
	EX	011-10-290													G52346	14.03								8.03	37.7	Gh		
KIA DIESEL																												
Carnival 2.9 CRDI 16V Carnival 2.9 Tdi 16V	J3 J3C1	1998	2902	4		IN	OK55112111A	2474	34.0	7	126.2	CV	45	A														
							EX	OK55112121A								2475	31.6	7	126.0	PN	45	A						
	IN	22114-42000	G52746	13.07	8	71									Gh													
	EX	22115-42000													G52748	13.07								8	74	Gh		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
KIA DIESEL																
Sorento 2.5 CRDi		2003	2497	4		IN	222114A000	2478	31.7	7	110.5	PN	45	A		
						EX	222124A000	2479	28.0	7	110.5	PN	45	A		
							IN	22114-4A000	G5S2848	12.06	7.02	43.3				MS
						EX	22114-4A000	G5S2848	12.06	7.02	43.3				MS	
KIA DIESEL																
E-County	JM15D4AF JY01D4CI	2009	3000	4		IN	2221141001	2482	44.0	8.9	136.8	PN	45	B		
						EX	2221245000 2221245001	2483	37.1	8.9	136.9	PN	45	B		
																
KIA DIESEL																
Sportage 2.0 TD		1997	1998	4		IN	OK05412111	2490	39.4	8	107.0	PN	30	A		
						EX	OK05412121	2491	35.1	8	105.9	PN	45	A		
							IN	MRF01-10-104	G52859	14.03	8.03	41				Gh
						EX	MRFJ5-10-290	G52708	14035	8.03	40.5				Gh	
KIA DIESEL																
FRONTIER PREGIO BONGO	27J2	2005	2500 2700 3000	4		IN	OK65D12111	2492	44.0	8.5	112.9	PN	45	A		
						EX	OK65B12121	2493	37.4	8.5	112.9	PN	45	A		
																
KIA DIESEL																
SPORTAGE 2.0 CRDI Sorento II 2.0 CRDI Sorento 2.2 CRDI Carnival 2.2 CRDI	D4HA D4HB	2009 2010	1995 2199	4		IN	222112F000	3192	29.0	6	108.3	PN	45	K		
						EX	222122F201	3193	26.0	6	108.2	PN	45	K		
																
KIA DIESEL																
Cerato 2.0 CRDI 16V Carens 2.0 CRDi 16V Sportage 2.0 CRDI 16V Magentis 2.0 CRDi 16V	D4EA	2002 2004 2006	1991	4		IN	2221127001 2221127000	3221	28.5	6	95.7	PN	45	A		
						EX	2221227000 2221227001	3222	24.4	6	95.4	PN	45	A		
							IN	22114-27000	G5S2720	11.05	6.01	36.6				MS
						EX	22114-27000	G5S2720	11.05	6.01	36.6				MS	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
KIA DIESEL															
Picanto 1.1 12V CRDi	D3FA	2005	1120	3 4		IN	222112A100	3223	26.1	5.5	93.1	PN	45	K	
Rio 1.5 16V CRDi	D4FA	2006	1396												
CEE'D1.6 16V CRDi	D4FB	2007	1493												
Cerato 1.6 16V CRDi	D4FC	2010	1582												
Venga 1.6 16V CRDi	D4FD	2012	1685			EX	222122A100	3224	21.0	5.5	93.7	PN	45	K	
Soul 1.6 16V CRDi															
Sportage 1.7 16V CDRI															
						IN	22114-2A000	G5S2890	11.05	5.5	31.5				MS
						EX	22115-2A000	G5S2891	11.05	5.5	31.5				MS















KIA DIESEL															
Sorento 2.5 CRDi	D4CB	2006	2497	4		IN	222114A061	3225	31.7	7	110.5	PN	45	K	
						EX	2124A061	3226	28.0	7	110.5	PN	45	K	
						IN	22114-4A000	G5S2848	12.06	7.02	43.3				MS
						EX	22114-4A000	G5S2848	12.06	7.02	43.3				MS



KOMATSU															
Eng. Cummins H & N						IN	6610414110	1964	44.5	10.3	179.0	PN	30	H	
						EX	6610414210	1964	44.5	10.3	179.0	PN	30	H	









KOMATSU															
6D170	6D170					IN	6240414110 4089089 4007179	5032	61.0	11.9	247.0	PN	30	A	
						EX	6240414210	5033	59.0	11.9	247.0	PN	45	A	



KOMATSU															
6D108	6D108					IN	6221414110	5034	50.1	9	148.7	PN	30	A	
						EX	6221414211	5035	44.1	9	148.9	PN	45	A	



KOMATSU															
EGS102-6 PC200-6	S6D170					IN	6162434110 6162434111	5036	57.0	12	196.6	PN	30	A	
						EX	6162434110 6164414211 6164414211	5037	56.0	12	196.5	PN	45	A	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
KOMATSU															
EGS650 EGS760 EGS850	S6D102					IN	6736414110	5038	45.0	8	129.1	PN	30	AP	
						EX	6736414210	5039	45.0	8	129.1	PN	45	A	
															
KOMATSU															
EGS1000 EGS1200 EGS1050	S6D140					IN	6215414110	5040	52.0	10	169.2	PN	30	A	
						EX	6215414212	5041	49.7	10	169.3	PN	45	A	
															
KOMATSU															
Eng. D 155 Eng. D 159						IN	50213800 6127414113	5042	56.0	11	212.5	PN	30	A	
						EX	50213900 6127414214	5043	53.0	11	212.5	PN	45	A	
															
KOMATSU															
Eng. 6D 105				6		IN	6136424110	5452	47.2	9	148.5	PN	30	A	
						EX	6136424210	5453	41.1	9	148.5	PN	45	A	
															
KOMATSU															
Eng.6D95				6		IN	6207414110 50222985	5454	44.0	8	128.0	CV	45	B	
						IN	6209414110 58234197	5460	44.0	8	128.0	CV	30	B	
						EX	6209414210 6209414210 6204414210 50222984 52409645	5455	37.9	8	128.0	CV	45	B	
															
KOMATSU															
Eng.6D 110				6		IN	6136414110	5456	46.2	10	145.5	PN	30	A	
						EX	6136414211	5457	40.1	10	145.5	PN	45	A	
															



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
KOMATSU																
6D 125				6		IN	50222606 6150414111	5458	45.0	9	169.3	PN	30	A		
						EX	6150414210 50222607	5459	44.1	9	169.3	PN	45	A		
KUBOTA																
M7500 M8030						IN	15451-13112	5161	47.8	10	126		45	A		
						EX	15451-13122	5162	41.8	10	125.8		45	A		
KUBOTA																
V2403				4		IN	1G89613110	5310	33.5	8	102.2	PN	30	A		
						EX	1G89613120	5311	28.5	8	102.2	PN	45	A		
KUBOTA																
TRACTOR 4500						IN	15221-13110	15047	33	8	101		45	A		
						EX	15221-13212	15048	27	8	101		45	A		
KUBOTA																
TRACTOR D750						IN	15261-13110	15050	27	7	89.7		45	B		
						EX	15261-13210	15051	23.5	7	89.7		45	B		
KUBOTA																
V-2159 V-2158X						IN	671304C2	15256	50.8	11	168.7		30	B		
						EX	341057R2	15257	43.2	11	168.3		45	B		



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
KUBOTA																	
ZB 600						IN	15393-13110	15259	31.7	7	89.8		45	B			
						EX	15393-13120	15260	27.5	7	89.8		45	B			
KUBOTA																	
D662						IN	14601-13110	15261	26	6	76.5		45	A			
						EX	14601-13120	15262	22	6	77		45	A			
KUBOTA																	
V3003				4		IN	1C01013113	15273	30.9	7	101.2	CV	30	B			
						EX	1C01013122	15274	34.0	8	112.5	PN	45	A			
KUBOTA																	
D1105 V1505				3 4		IN	1G67313110	15275	31.0	7	89.7	PN	30	B			
						EX	1G67313120	15276	27.5	7	89.8	PN	45	B			
LADA ZIGULI																	
1200-1500 Station Wagon 1200 1200-1500 Station Wagon 1300 1200-1500 Station Wagon 1500 1200-1600 1200 L/S Vaz 1011 / 2101 / 2102 1300 Vaz 21011 / 21033 6D 125az 2103 1600 6D 125az 2106 / 2107 / 2121 Niva 4x4 Vaz 2106 / 2107 / 2121 (44/46/48/52/55/57/58 KW	BA3 2101 BA3 2105 BA3 2103 BA3 21011 BA3 2106 / VAZ 2106 BA3 2121	1972 2003	1198 1294 1452 1500 1570 1690	4		IN	21011007010 4183269	0258	37.0	8	112.5	PN	45	A			
						EX	21011007012 4183270	0259	31.5	8	113.0	PN	45	A			
							IN	2101- 1007032/10	G51369	14.06	8.02	42					Gh
							EX	2101- 1007033/20	G51370	14.06	8.02	48					Gh
LADA ZIGULI																	
Vega 2.0	C20XE	1996	1998	4		IN	642758	2148	33.0	7	104.9	PN	45	K			
						EX	642858	2149	29.0	7	105.0	PN	45	K			
						IN	2108- 1007032/20	G52326	14.06	8.02	38			Gh			
						EX	2108- 1007033/20	G52327	14.06	8.02	38			Gh			













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
LADA ZIGULI																
Samara 1.1 Samara 1.3 Eng. 2108 Samara 1.5 Eng. 2108.3 (41/48/55 KW)		1989 1990	1099 1288 1499	4		IN	210811007010	2816	35.0	8	103.7	PN	45	K		
							21081007010	2815	37.0	8	103.7	PN	45	K		
							21081007012	2817	31.5	8	104.0	PN	45	K		
								IN	2108-1007032/20	G52326	14.06	8.02	38			Gh
							EX	2108-1007033/20	G52327	14.06	8.02	38			Gh	













LADA ZIGULI															
110 1.5 16V 111 1.5 16V 112 1.5 16V Niva 1.7 Mpi		2003	1499 1690	4		IN	21121007010	2818	29.2	7	96.0	PN	45	K	
							EX	21121007012	2819	25.5	7	97.2	PN	45	K
															








LADA ZIGULI DIESEL															
Niva 4X4 1.9 D Eng. D9A-XUD9 Peugeot	D9A XUD9	1993	1905	4		IN	094894	0816	38.5	8	112.5	PN	45	A	
							EX	094947	0821	33.0	8	112.0	PN	45	A
															

LANCIA																
A 112 All Models Eng. A112A5000 Eng. 100GL6000 Eng. A112B100 (31/35 KW)	A112A-5000 100GL-6000 A112B100	1971 1986	903 965 1050	4		IN	4259853 4265695 5959564	0220	29.0	7	95.0	CV	45	A		
							EX	4274135 4377979 5959563 5963326 5973130	0221	26.0	7	95.5	PN	45	A	
								IN	4265699	G50507	13.03	7.02	42.5			Gh
							EX	4265699	G50507	13.03	7.02	42.5			Gh	

LANCIA																
Delta 1.3 LX Prisma 1.3 Delta 1.5 Autom. / FL83 Prisma 1.5 Delta L83 0A50 Prisma 0A50 Eng. 138C2 048 (57/59/62 KW) Eng. 831B8.000	138C2048	1979 1979 1983	1301 1498	4		IN	5999660 4239917 4460697	0247	36.0	8	108.5	PN	45	A		
							EX	4314869 4315062 5973128 96700315	0248	31.0	8	109.0	PN	45	A	
							EX	4319339 4403047 5973129 7565813	2710	33.5	8	109.0	PN	45	A	
								IN	4250803	G51467	14.06	8.02	46.5			Gh
							EX	4250803	G51467	14.06	8.02	46.5			Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.								
LANCIA																							
Beta 1.4 Beta Bn R.79 1.6 Beta Coupé 1600 HP Executive 1.6 Trevi 1.6 / Montecarlo / Berlina Beta Bn R.79 2.0 Trevi 2.0 / i.e. / VX Beta Coupé 2.0 HP Executive 2.0 / VX (66/77/80/86 KW) Eng.828A2.000	828A2000	1972 1975 1984	1438 1585 1995	4		IN	4173746	0253	41.8	8	106.5	CV	45	A									
							4255694																
							4255779																
							EX	7597080								0254	36.2	8	105.7	PN	45	A	
								7631719															
								5975341															
								5953041															
								4469661															
								4359309															
							4293992																
	IN		G50173	14.06	8.02	42								Gh									
	EX	4250801	G52603	14.06	8.02	42								Gh									
LANCIA																							
Beta 1.6 Berlina Beta 1.8 Beta Coupé 1.6 / 1.8i. Beta Spider 1.6 / 1.8i (74/81 KW) Eng.828A1.000	828A1000	1972 1977	1592 1756	4		IN	4300760	0255	42.5	8	106.5	CV	45	A									
							EX	4293992								0254	36.2	8	105.7	PN	45	A	
								4359309															
								5975341															
								7597080															
								IN									G50173	14.06	8.02	42			
EX	4250801	G52603	14.06	8.02	42									Gh									
LANCIA																							
Dedra 1.6 SPi (Bosch) Eng. 835 A1.000 (66 KW)	835A1000	1989	1581	4		IN	7609772	0319	37.5	8	108.5	PN	45	A									
							EX	5973129								2710	33.5	8	109.0	PN	45	A	
								IN								4250803							
LANCIA																							
Dedra 1.6 SPi (Weber) Eng. 835 A1.000 Delta 1.6 (66 KW)	835A1000	1989	1581	4		IN	7617500	0320	39.6	8	108.5	PN	45	A									
							EX	5973128								0248	31.0	8	109.0	PN	45	A	
								4315062															
								IN								4250803	G51467	14.06	8.02	46.5			
EX	4250803	G51467	14.06	8.02	46.5									Gh									
LANCIA																							
Beta 1.3 Berlina Beta Coupé 1.3 i. Beta OHC (58 KW) Eng.828B3.000	828B3000	1974 1975 1984	1298 1300	4		IN	82316779	0462	37.5	8	107.0	PN	45	A									
							EX	82399550								0463	34.0	8	107.0	PN	45	A	
								82336458															
								IN									G50173	14.06	8.02	42			
EX	4250803	G51467	14.06	8.02	46.5									Gh									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
LANCIA																
Thema 2600 / 6V Peugeot Eng.		1985	2848	6		IN	7910245390	0635	43.9	8	112.0	PN	30	A		
							EX	7910246494	0637	37.0	8	111.3	PN	45	A	
																
LANCIA																
Z 2.0i E Turbo Eng. XU10J2 CTE Eng. RGX Peugeot (108 KW)	XU10J- 2CTE RGX	1994	1998	4		IN	9605936180	0840	42.6	8	108.8	PN	45	K		
							EX	9611782880	0841	34.5	8	108.4	PN	45	K	
																
LANCIA																
Z 2.0 16V Eng. RFV Peugeot	RFV	1998	1998	4		IN	9628943380	854	34.6	6	106.4	PN	45	A		
							EX	9629861180	0855	29.6	6	105.7	PN	45	A	
								IN	7616998	G52644	12065	6	40.8			Br
						EX	7616998	G52244	14.03	7.02	51.3				Gh	
LANCIA																
Zeta 2.0 i.e. 16V PHEDRA 2.0 16V Eng. RFN (Peugeot)	RFN	2003	1997	4		IN	9623950380	875	33.3	6	106.1	CV	45	A		
							EX	9636001780	0876	28.9	6	103.6	PN	45	A	
								IN		G552646	12065	6	40.8			MS
						EX		G552646	12065	6	40.8				MS	
LANCIA																
K 3.0 K 3.0 Coupé Thesis 3.0 V6-3.2 V6 24V Eng. 838B.000-841A1.000	838B000 841A1000	1997 2001	2959	6		IN	60810666 60663241 55186770	1400	35.6	7	102.0	CV	45	K		
							EX	60560644 60810667	1401	31.1	7	102.2	PN	45	K	
								IN	60572415	G52339	12.06	7	38			Br
						EX	60612835	G52342	12.07	7	43				Gh	
LANCIA																
Voyager Thema		2014	3600	V6		IN	05184127AC	2644	39	6	116.4	PN	45	K		
							EX	05184128AE	2645	30	6	115.7	PN	45	K	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
LANCIA															
Delta 1.4 GPL Musa 1.4 GPL Eng.198A4.000	198A4000	2010	1368	4		IN	55225886	2652	26.8	6	95.2	CV	30	K	
						EX	55225887	2653	23.0	6	94.6	CV	30	K	
						IN	46518800	G5S2525	10.06	6.02	39.7				MS
						EX	46518800	G5S2525	10.06	6.02	39.7				MS
LANCIA															
New Y 1.2 16V New Y 1.4 16V Musa 1.4 16V Nuova Delta 1.4 16V Eng.836A4.000 Eng.198A4.000	198A4000 836A4000	2004 2007 2010	1248 1368	4		IN	55185028	2662	27.0	6	95.2	CV	45	K	
						EX	55185080 55206233 55239748	2663	22.4	6	94.6	PN	45	K	
						IN	46441525	G5S2524	10.03	6.02	39.7				MS
						EX	46441525	G5S2524	10.03	6.02	39.7				MS
LANCIA															
Y 1.2 Y 1.1 NUOVA Y 1.2 i.e. Eng.188A4.000 To Nr.2533527	188A4000	1998 2003	1242	4		IN	46436048 7770334	2670	31.5	7	97.1	CV	45	A	
						EX	46514754 7666227	2683	27.5	7	97.2	PN	45	A	
						IN									
						EX									
LANCIA															
Y 10 Fire LX - 4WD Y 10 1.1 Selectronic Y 10 1.1 4WD Eng.156A2.000 (33/37/42 KW)	156A2000	1981 1989	999 1108	4		IN	5942727 7666228	2682	30.4	7	97.0	CV	45	A	
						EX	7666227 5942728	2683	27.5	7	97.2	PN	45	A	
						IN	4265699								
						EX									
LANCIA															
Thema 2.0 16V i.e. Thema 2.0 Turbo 16V Nuova Delta 4x4 Delta 2.0 Turbo 16V Integrale 2.0 HF K 2.0 HF K 2.0 Turbo dedra 2.0 16V (102/110/114/137 KW) Delta 2.0 HF Delta Integrale Evoluzione Eng.838A3.000-831E5.000	838A3000 831E5000	1989 1991 1994 1998	1995	4		IN	7574739 7722907	2686	34.5	7	128.0	PN	45	A	
						EX	7574742 7598073 7650916 7611673	2687	28.5	7	125.6	PN	45	A	
						IN	7616998	G52244	14.03	7.02	51.3				Gh
						EX	7616998	G52244	14.03	7.02	51.3				Gh















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.							
LANCIA																						
Y 10 Touring Y 10 Turbo Y 10 Elite Y 10 GT Eng.156A.000 (41/54/63 KW)	156A000	1985 1989 1994	1049 1297 1301	4		IN	4412816	2707	36.5	8	110.0	PN	45	A								
							5997328															
							7633751															
												EX	4340119 4340119 4412822 5985066 7633752	2920	29.0	8	110.5	PN	45	A		
						IN	4265699	G50507	13.03	7.02	42.5				Gh							
						EX	4265699	G50507	13.03	7.02	42.5				Gh							













LANCIA																						
Delta 1.6 GT - i.e. Prisma 1.6 - 1.6 i.e. Delta FL 83 / Delta GT Delta H.F. Turbo - 4WD Dedra 1.8 / i.e. / 4WD Thema 1.e. Turbo Delta HF 4WD Turbo Prisma 4WD Dedra 2.0 / i.e. / 4WD Automatica Nuova Trevi Volumex Beta Coupé Volumex H.P. Executiv	836A5000	1982 1984 1986 1989 1990	1585 1756 1995	4		IN	46406169	2719	43.5	8	105.8	CV	45	A								
							7031135															
							4440061															
							7547400															
												EX	4293992 4359309 4469661 5953041 5975341 7597080 7631719	0254	36.2	8	105.7	PN	45	A		
													IN	4250801	G52603	14.06	8.02	42				Gh
													EX	4250801	G52603	14.06	8.02	42				Gh













LANCIA																						
Y 1.4 12V Eng 840A4.000	840A4000	1998	1370	4		IN	7712114	2910	30.5	7	110.4	PN	45	A								
												EX	46413334	2911	35.5	7	110.4	PN	45	A		
													IN	7757052	G52475	13.06	7.02	42.5				Gh
						EX	7779402	G52477	13.03	7.02	46				Gh							













LANCIA																						
Delta 1.8 GT Y 1.2 16V Delta 1.6 HPE Delta 1.8 HPE Lybra 1.6 i.e. 16V Eng.182A4.000-A6.000	182A4000 182A6000	1997	1242 1747	4		IN	46462158	2912	30.3	7	102.5	CV	45	A								
												EX	46761370 46462159 46461209	2913	29.8	7	102.4	CV	45	A		
													EX	46517325 46761369	2912	30.3	7	102.5	CV	45	A	
						IN	4265699	G50507	13.03	7.02	42.5				Gh							
						EX	7756897	G52474	13.03	7.02	42.5				Gh							















LANCIA																						
K LS / LX 20V Eng. 838 A2.000 (129 KW) Lybra 1.8 Lybra 2.0 Thesis 2.4 V6 Kappa i.e. 20V Eng.182A2.000-183A1.000	182A2000 183A1000	1994 1999 2001	1970 2446	4 5 V6		IN	7766564	2914	33.6	7	113.0	PN	45	K								
												EX	7766565 60674496	2915	28.1	7	108.5	PN	45	K		
													IN	60811090	G52477	13.03	7.02	46				Gh
						EX	7779402	G52477	13.03	7.02	46				Gh							











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
LANCIA															
Thesis 2.0 T		2001	2000	4		IN	7766564	2914	33.6	7	113.0	PN	45	K	
						EX	46533298	2948	28.0	7	108.8	CV	45	K	
															
LANCIA															
K Li 20V Eng. 838 A1.000 (107 kW) K 2.0 20V T Eng.838A1.000	838A1000	1994 1998	1998	5		IN	7735898	2916	30.0	7	113.1	PN	45	K	
						EX	46417653 7735899	2917	26.1	7	108.5	PN	45	K	
															
LANCIA															
Y 1.2 16V NUOVA Y 1.2 16V NUOVA Y 1.4 16V Musa 1.4 i.e. 16V Eng.188A5.000-192B2.000	188A5000 192B2000	1998 2003	1242	4		IN	46403681	2921	26.9	6	95.2	CV	45	K	
						EX	46471639	2922	22.4	6	96.0	PN	45	K	
															
LANCIA															
NUOVA Y 1.2 i.e. Eng.188A4.000 From Nr.2533528	188A4000	2004	1242	4		IN	55194993	2926	31.9	5	98.4	CV	45	K	
						EX	55194994	2927	27.3	5	98.7	CV	45	K	
							IN		G5S2821	10.03	5.02	44			
	EX		G5S2821	10.03	5.02	44					MS				
LANCIA															
Ypsilon 1.4 8V Musa 1.4 8V Eng.350 A1.000	350A1000	2005	1400	4		IN	55194219	2928	33.2	5	99.9	CV	45	K	
						EX	55200422	2929	27.9	5	100.5	CV	45	K	
							IN		G5S2821	10.03	5.02	44			
	EX		G5S2821	10.03	5.02	44					MS				
LANCIA															
Ypsilon 0.9 Twin Air Eng.312A2000	312A2000	2012	875	2		IN	55229666	2940	30.1	5	95.5	CV	45	K	
						EX	55231897	2941	25.3	5	95.3	CV	45	K	
															

















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
LANCIA															
PHEDRA 3.0 V6 24V ENG.XFW Peugeot	XFW	2003	2946	V6		IN	9630441380	2946	35.0	6	108.4	PN	45	A	
						EX	9640181380	2947	30.5	6	106.9	PN	45	A	
															
LANCIA DIESEL															
Z 2.1 TDS Eng.P8C Peugeot	P8C	1999	2088	4		IN	9600781780	0844	33.9	8	122.3	PN	45	K	
						EX	9604295780	0845	33.9	8	121.9	PN	45	K	
									G52457	13.07	8.01	54.5			
						EX		G52457	13.07	8.01	54.5				Br
LANCIA DIESEL															
Zeta 2.0 JTD Eng RHZ	RHZ	1999	1998	4		IN	9624774280	0856	35.6	6	107.1	PN	45	K	
						EX	9624774580	0857	33.8	6	107.1	PN	45	K	
									G52434	14.05	8.01	48			
						EX		G52434	14.05	8.01	48				Br
LANCIA DIESEL															
PHEDRA 2.2 JTD ENG.4HW PHEDRA 2.2 MJT 136 CV	4HW	2003 2006	2179	4		IN	9627184380	0879	29.8	6	105.0	PN	45	K	
						EX	9634437580	0880	24.9	6	105.0	PN	45	K	
									G5S2750	10065	6.01	41.5			
						EX		G5S2750	10065	6.01	41.5				MS
LANCIA DIESEL															
Zeta 2.0 JTD PHEDRA 2.0 JTD Eng.RHM-RHW-RHT (Peugeot) PHEDRA 2.0 MJT 120 CV	RHM RHW RHT	2004	1997	4		IN	9635317980	0881	29.9	6	106.2	PN	45	K	
						EX	9635318480	0882	25.0	6	106.2	PN	45	K	
									G5S2750	10065	6.01	41.5			
						EX		G5S2750	10065	6.01	41.5				MS
LANCIA DIESEL															
K 2.4 JTD Lybra 1.9 / 2.4 JTD Thesis 2.4 JTD Musa 1.9 MJ Eng.838A8.000-841C.000	838A8000 841C000	1998 2001	1910 2387	4 5		IN	60814605 46750859 55193126	1404	35.5	8	115.0	PN	45	K	
						EX	46783962 60814604	1405	34.5	8	115.0	PN	45	K	
									IN	7565472	G52406	14.03	8.02	43	
						EX	7565472	G52406	14.03	8.02	43				Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
LANCIA DIESEL																		
Thesis 2.4 JTD 20V Delta 2.0 MJET	841G000	2004	1910	4 5		IN	55190248	2647	27.8	5	114.2	PN	45	K				
	198A5000	2005	2387			IN	55195535 46802049	1398	27.8	6	114.4	PN	45	K				
	844A1000	2006				IN	55206431	2658	27.9	5	114.4	PN	45	K				
	841P000	2007				EX	46787902	2659	24.4	5	114.4	PN	45	K				
		2010				EX	55207955 55205183											
						EX	55202557	1399	25.8	6	114.4	PN	45	K				
						EX	55190249	2677	24.9	5	114.2	PN	45	K				
			EX	55210016	G5S2830	10.03	5.02	46.7						MS				
			EX	55210016	G5S2830	10.03	5.02	46.7							MS			
LANCIA DIESEL																		
Ypsilon 1.6 MJT 16V Nuova Delta 1.6 MJT 16V Musa 1.6 MJET 16V	350A2000	2008	1598	4		IN	55205125	2654	26.5	5	114.4	PN	45	K				
	350A3000																	
								EX	46787902	2659	24.4	5	114.4	PN	45	K		
								EX	55207955									
			EX	55210016	G5S2830	10.03	5.02	46.7						MS				
			EX	55210016	G5S2830	10.03	5.02	46.7						MS				
LANCIA DIESEL																		
Nuova Delta 1.9 MJT Thesis 2.4 JTD 20V	198A5000	2008	1956	4		IN	55206431	2658	27.9	5	114.4	PN	45	K				
	844A1000																	
	841P000																	
							EX	55207955	2659	24.4	5	114.4	PN	45	K			
																		
LANCIA DIESEL																		
KTD 10V Eng. 838 A3.000 (91 KW)	838A3000	1994	2387	5		IN	7798620	2672	37.5	8	114.3	PN	45	K				
							EX	7783225	2673	31.0	8	114.1	PN	45	K			
						IN	7565472	G52406	14.03	8.02	43				Gh			
					EX	7565472	G52406	14.03	8.02	43					Gh			
LANCIA DIESEL																		
Eng. 831 D.000 Prisma D Eng. 149 A1.000 Turbo Delta TD Eng. 831 A1.000 Turbo Prisma TD Eng. 835 A4.000 Turbo Dedra TD (48/59/68 KW) Dedra TDS	149A1000	1984	1929	4		IN	7547158	2694	37.4	8	116.6	PN	45	A				
	831D000																	
	831A1000																	
	835A4000					1997												
							EX	7588577	2695+0.6T	33.5	8	116.6	PN	45	A			
							EX	5990533	2695	33.5	8	116.6	PN	45	A			
						IN	4250803	G52606	14.06	8.02	46.5				Gh			
					EX	4250803	G52606	14.06	8.02	46.5					Gh			
LANCIA DIESEL																		
Eng. 8144.91 Turbo Thema TD Eng. 8144.97 Turbo Thema TD (74/85 KW)	814491	1984	2445	4		IN	4757358	2705	41.0	8	121.0	PN	30	A				
	814497					1989	2499											
								EX	4826033	2692+0.6T	34.5	8	122.0	PN	45	A		
								EX	7301821 7302157	2692	34.5	8	122.0	PN	45	A		
						IN	4749395	G51811	13.03	8.02	56				Gh			
					EX	4726483	G51265	13.03	8.02	60					Gh			















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
LANCIA DIESEL																
New Y 1.3 Mj 16V Musa 1.3 Mj 16V	188A4000	2003	1248 1368	4		IN	46518930	2924	21.8	6	109.2	PN	45	K		
							55219793									
							EX 46518931	2925	21.8	6	109.2	PN	45	K		
							55208213									
						IN	46816601	G552805	10.03	6.02	43				MS	
						EX	46816601	G552805	10.03	6.02	43				MS	
LANCIA DIESEL																
Y 1.3 16V M Jet Musa 1.3 16V M Jet Eng.188A4000-188A9000	188A4000 188A9000	2009	1242	4		IN	55195680	2944	22.4	6	109.2	PN	45	K		
							46518930									
							EX 46518931	2945	22.4	6	109.3	PN	45	K		
							55208213									
						IN	46816601	G552805	10.03	6.02	43				MS	
						EX	46816601	G552805	10.03	6.02	43				MS	
LANCIA DIESEL																
Voyager 2.8 JTD	ENS	2011	2777	4		IN	K68027469AA	4220	31.8	6	107.6	PN	45	K		
							EX K68027470AA	4221	29.2	6	107.8	PN	45	K		
																
LAND ROVER																
Freelander 1.8 Softback		2001	1796	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A		
							EX LGH10028	0861	24.2	6	90.0	PN	45	A		
						IN		G52318	9.84	6.01	30			Gh		
						EX		G52318	9.84	6.01	30			Gh		
LAND ROVER																
Freelander 2.5 Softback Eng.25K4F	25K4F	2001	2497	V6		IN	LGH10064	2194	31.5	6	89.6	CV	45	A		
							EX LGH10065	2195	27.5	6	90.0	CV	45	A		
							LGH101360									
																
LAND ROVER																
Range Rover Sport Discovery III		2002	4400	V8		IN	4646005	5840	34.8	5	105.3	CV	45	A		
							LR002447									
							EX 4646004	5841	30.9	5	105.1	PN	45	A		
																











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
LAND ROVER															
Discovery Defender Range Rover			3500 4000	v8		IN	LGH000030	6008	39.9	8.7	117.0	CV	45	P	
						EX	LGH000040	6009	34.3	8.7	117.0	CV	45	P	
															
LAND ROVER DIESEL															
Range Rover 2.5 Tdi Eng.25GTBYM-D256TM	25GTBW D256TM	1994	2497	6		IN	STC2156	0098	35.9	6	103.7	PN	45	K	
						EX	STC2149	0099	30.9	6	103.6	PN	45	K	
									G52534	12.55	6	39.5			
						EX		G52534	12.55	6	39.5				Br
LAND ROVER DIESEL															
Range Rover 2.5 TDi Discovery Defender 90 Tdi Eng. 12L MAXION 200TDI	12LMAX- ION200	1989 1994	2494	4		IN	ERR1157	0670	39.5	8	116.5	PN	30	K	
						EX	ERR1156	0671	36.5	8	116.5	PN	45	K	
							IN	ETC8003	G52554	14.06	8	49			
						EX	ETC8003	G52554	14.06	8	49				Gh
LAND ROVER DIESEL															
Range Rover 3.0 Tdi Freelander 2.0 Td4 Eng.204D3-306D1	204D3 306D1	2002	1950	4		IN	LGH101450	0677	25.9	6	99.9	PN	45	K	
						EX	LGH101450	0677	25.9	6	99.9	PN	45	K	
															
LAND ROVER DIESEL															
Discovery 2.5 TD5 Eng.10P-15P	10P 15P	1997	2496	5		IN	ERR6611	0678	34.7	7	105.3	PN	30	K	
						EX	ERR6612	0679	31.7	7	105.3	PN	45	K	
															
LAND ROVER DIESEL															
Evoque 2.2 TD Freelander 2.2 TD4 Eng.224DT	4HT 224DT	2006 2011	2179	4		IN	0948E5	2258	27.2	6	95.8	PN	45	K	
						EX	0949E1	2259	25.0	6	95.0	CV	45	K	
							IN	0220-A2	G5S2750	10065	6.01	41.5			
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
LAND ROVER DIESEL															
Range Rover Sport Discovery III		2002	3600	V8		IN	1311281	2270	27.7	6	97.1	PN	45	K	
							EX 1316137 1520918	2271	25.2	6	96.4	PN	45	K	
															
LANDINI															
Serie 5 5.115H Serie 5 5.110H Serie 5 5.100H Serie 60 8860 Serie 60 7865 Serie 60 8865 Vision 100 Vision 105 Rex 100 F Rex 110 F Rex 100 GE Rex 100 GT Rex 120 F Rex 120 GE Rex 120 GT Serie 1 75 Serie 1 90 Globalfarm 80 Globalfarm 90 Globalfarm 100 Globalf	1104 D - 44T 1104 D - 44 TA	2007 2010	4399	4		IN	3142H071	6515	46.4	9	129.1	PN	30	A	
							EX 3142A151	6516	41.6	9	129.2	PN	30	A	
															
LAZ															
Lemberg 400	D 2066 LOH 28	2012	10518	6		IN	51041010574 51041010575	1798	40.0	9	160.4	PN	30	K	
							EX 51041010546	1799	38.0	9	160.4	PN	45	K	
															
LAZ															
Lemberg 320 Bus	TCD 2013 L06 4V	2012	7146	6		IN	20833932	5226	38.2	8	145.7	PN	30	K	
							EX 20980413	5227	35.8	8	145.8	PN	45	K	
															
LEXUS															
RX 300-330-350		2006	3456	V6		IN	1371131100	5494	38.0	5.5	105.9	CV	45	A	
							EX 1371531120	5495	32.0	5.5	110.4	CV	45	A	
															















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
LEXUS																		
SC 430 GS 430 WT LS 430 WT Eng. 3UZFE (208 KW)	3UZFE	1999 2000	4293	8		IN	1371150060	5496	34.5	5.5	95.1	CV	45	A				
							EX	1371550060	5497	29.0	5.5	95.1	PN	45	A			
																		
LEXUS																		
IS 200 Eng. 1GFE (114 KW)	1GFE	1999	1998	6		IN	1371170060	5498	29.5	5	91.7	CV	45	A				
							EX	1371570080	5499	25.0	5	91.8	CV	45	A			
																		
LEXUS																		
RX 300 WT Eng. 1MZFE	1MZFE	2000	2995	6		IN	1371120020	5522	34.0	5.5	95.2	CV	45	A				
							EX	1371520020	5523	27.3	5.5	95.3	CV	45	A			
																		
LEXUS																		
GS 300 WT Eng. 2JZGE (161 KW)		2997		6		IN	1371146022 1371146021	5524	33.5	6	98.6	CV	45	A				
							EX	1371546020	5525	29.0	6	99.1	PN	45	A			
																		
LEXUS																		
CT 200 H	2ZRFXE	2015	1798	4		IN	137110T010	5532	32.0	5.5	109.4	CV	45	A				
							EX	137150T010	5533	27.5	5.5	108.3	CV	45	A			
																		
LEXUS DIESEL ENGINES																		
IS 220 D 16V Eng. 2ADFHV-2ADFTV	2ADFHV 2ADFTV	2007	2230	4		IN	137110R010	5492	30.1	6	104.5	PN	45	A				
							EX	137150R010	5493	27.0	6	104.1	PN	45	A			
																		
LISTER																		
Eng. ST1 Eng. ST2 Eng. ST3		1975		1 2 3		IN	20180250	1512	42.6	8.7	120.2	PN	45	A				
							EX	20180240	1513	35.6	8.7	120.3	PN	45	A			
																		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
LOTUS																		
Elise 1.8 i 16V Eng.18K4F	18K4F	2000	1796	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A				
							EX	LGH101190	0861	24.2	6	90.0	PN	45	A			
								IN EX		G52318 G52499	9.84 9.88	6.01 6.01	30 30				Gh Gh	
LOTUS																		
Elise 111 S 1.8 i 16V WC Eng.18K4K	18K4F	2000	1796	4		IN	LGH10064	2194	31.5	6	89.6	CV	45	A				
							EX	LGH10065	2195	27.5	6	90.0	CV	45	A			
																		
LOTUS																		
Elise 1.6 16V Eng.1ZR-FAE	1ZRFAE	2007	1598	4		IN	1371137020	5532	32.0	5.5	109.4	CV	45	A				
							EX	1371537030	5533	27.5	5.5	108.3	CV	45	A			
																		
M.A.N.																		
Pullman TGA Eng.D2876LUH01	D2876- LUH01 LUH02 LUH03	2005	12816	6		IN	51041010509	1608	58.0	12	142.5	PN	30	Z				
							EX	51041010501	1609	51.0	12	142.6	PN	45	Z			
																		
M.A.N.																		
Eng. D 2858 MT - Turbo		1970/75	15442	8		IN	51041010314	1614	44.0	9	137.3	PN	30	A				
							EX	51041010286 51041010399	1616	39.0	9	137.3	PN	45	A			
								IN EX	51032010079 51032010066	G52164 G52165	16.03 16.03	9.02 9.02	66 95			Gh Gh		
M.A.N.																		
Eng. D 2565 MT / MK Turbo Eng. D 2865 LOH / LUH LF - Turbo Eng. D 2566 ML / MK MT - Turbo Eng. D 2866 LF2 Turbo KFZ Turbo Eng. D 2866 OH / LOH / UH F / LUH - Turbo / LF Turbo Eng. D 2538 MT Turbo Eng. D 2876 LF / LOH Turbo Euro 2 Eng. D 2	TGA18410	1976 1981 1983 1987 1989 1990 1994 2001	9510 9973 11407 11967 12760 12810 15900 18270 18720 20190 21930	5 6 8 10 12		IN	51041010375	1625	58.0	12	142.5	PN	30	A				
							EX	51041010479 51041010367 51041010447	1626	51.0	12	142.5	PN	45	A			
								IN EX	51032010088 51032010088	G52049 G52049	18.03 18.03	12.03 12.03	64 64			Gh Gh		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
M.A.N.																	
Eng. D 2538 MT - Turbo Eng. D 2530 MT - Turbo Eng. D 2540 MT - Turbo Eng. D 2542 MTE Turbo (178/223/235/287/294/338/383 KW)	D2555	1973	12760	8 10 12		IN	51041010334	1628	59.0	12	142.5	PN	30	A			
	D2556	1976	15900														
	D2566		17426														
	D2530		20190					EX	51041010447 51041010367	1626	51.0	12	142.5	PN	45	A	
	D2538						IN	51032010088	G52049	18.03	12.03	64				Gh	
							EX	51032010088	G52049	18.03	12.03	64				Gh	
M.A.N.																	
Eng. D 0826 LOH / LFL / LF - Turbo Eng. D 0824 GF / LFL / LOH Eng. D 0226 MC / MK / ML / MT Turbo Eng. D 0826 TOH Eng. D 0826 GF / GFA / LOH / LU / LF / Turbo / LFL (75/81/108/110/132/140/154/1 69/198 KW) L 2000 8.163 L 2000 155-185-225 Eng.D0824 F 2000 8.	D0226	1983	4580	4 6		IN	51041010422 51041010425	1630	49.0	10	136.6	PN	30	A			
	D0824	1986	5687														
		1986	6596														
		1991	6871														
		2001				EX	51041010410 51041010411	1631	42.0	10	136.3	PN	45	A			
		2004					IN	51032011052	G52162	16.03	10	65				Gh	
							EX	51032011053	G52163	16.03	10	55				Gh	
M.A.N.																	
Eng. D 0224M / ME / MF Eng. D 0226M / ME / MF / MFM / MFO / MH / MFA (58/66/100 KW)		1979	3791 5687	4 6		IN	51041010417	1632	47.0	10	136.6	PN	45	A			
								EX	51041010410 51041010411	1631	42.0	10	136.3	PN	45	A	
									IN	51032011052	G52162	16.03	10	65			
							EX	51032011053	G52163	16.03	10	55				Gh	
M.A.N.																	
F 2000 19.364 F 2000 19.414 F 2000 19.464 F 2000 26.414 F 2000 26.460 TG - A 18.460		2001	11967	6		IN	51041010482	1633	46.0	9	153.6	PN	30	A			
								EX	51041010483	1634	46.0	9	153.6	PN	45	A	
																	
M.A.N.																	
D 2866 LF-LOH-LUH D 2876 LF-LOH 24V 2 VALVES		1999	11967	6		IN	51041010547	1635	46.0	9	153.6	PN	30	K			
								EX	51041010548	1636	46.0	9	153.7	PN	45	K	
																	
M.A.N.																	
D 2876 LF12 D 2876 LF 13 4 VALVES	D2876- LF12	2000 2002	10520 12816	6		IN	51041010523	1796	44.1	9	153.5	PN	30	K			
								EX	51041010524	1797	41.0	9	153.6	PN	45	K	
																	















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
M.A.N.																		
TGA SERIES D2066 LF01 D2676LOH01	D2066	2004	10250 12000 13000	6		IN	51041010574 51041010575	1798	40.0	9	160.4	PN	30	K				
						EX	51041010546 51041010606	1799	38.0	9	160.4	PN	45	K				
M.A.N.																		
Industrial Engine D0334 LOH 50	D033 D083 LFL40	2006	4580 6871	4 6		IN	51041010515 51041010516 51041010537	2345	37.0	7	141.5	PN	30	K				
						EX	51041010498 51041101506 51041010538	2346	34.0	7	141.2	PN	45	K				
M.G.																		
ZR 105 ZR 160 ZS 120 ZT 160	18K4F	2004	1396 1796	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A				
						EX	LGH101190	0861	24.2	6	90.0	PN	45	A				
						IN EX	 LGJ10034	G52318 G52499	9.84 9.88	6.01 6.01	30 30			Gh Gh				
M.G.																		
TF160 ZR160 ZS180 ZT190 Eng.18K4K-25K4F	18K4K 25K4F	2001 2002 2004	1796 2497	4 V6		IN	LGH10064 LGH20065	2194	31.5	6	89.6	CV	45	A				
						EX	LGH101360	2195	27.5	6	90.0	CV	45	A				
																		
M.G. DIESEL																		
ZR 115 TD 2.0 Tdi ZS 115 TD 2.0 Tdi Eng.20T2N	20T2N	2004	1994	4		IN	LGH100990	0674	37.2	7	86.7	PN	45	A				
						EX	LGH100980	0675	32.5	7	86.7	PN	45	A				
																		
M.G. DIESEL																		
ZT CDTi 2.0 Cdti Eng.204D2	204D2	2004	1951	4		IN	LGH101450	0677	25.9	6	99.9	PN	45	K				
						EX	LGH101450	0677	25.9	6	99.9	PN	45	K				
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
M.W.M.															
Eng. D 327		1969	1880	2		IN	622604600054	5194	41.0	9	117.0	PN	45	K	
Eng. D 226 Z		1970	2080	3											
Eng. D 327		1977	2820	4											
Eng. D 226 D			3120	6											
Eng. D 227			3770			EX	630804600024	5195	38.0	9	117.0	PN	45	K	
Eng. D 327			4160												
Eng. D 226 V			5650												
Eng. D 327			5654												
Eng. D 227			6240												
Eng. D 226 S															
(25/30/37/44/50/55															
59/75/83/89)KW															
M.W.M.															
Eng. KD 110 5Z		1960	1340	2		IN	620704603024	5198	38.0	9	117.0	PN	45	K	
Eng. KD 110 5D		1963	1488	3				630804600014							
Eng. KD 110 5V		1963	1490	4			630504600044								
Eng. KD 110 5S		1965	1700	6											
Eng. KD 210 5Z		1967	2000			EX	630504600034	5199	35.0	9	117.0	PN	45	K	
Eng. KD 210 V			2232				620704603014								
Eng. KD 210 5S			2235												
Eng. D 225 / 325			2550												
Eng. KD 210 5.D			2670												
Eng. D 208 / 308 Z			2976												
Eng. D 208 / 308 D			3080												
Eng. D 208 / 308 V			3400												
Eng. D 208 / 308 S			4010												
Eng. KD 1105 Z			4465												
Eng. KD 1105			4470												
			5100												
M.W.M.															
TD 226 / 4 Turbo	TD226B	1977	4160	4		IN	622804603014	5200	42.0	9	117.0	PN	45	K	
TD 226 / 6 Turbo			6240	6											
(74/120 KW)						EX	622604603024	5195	38.0	9	117.0	PN	45	K	
															
M.W.M.															
Eng. D 226 B	TD226B	1988	3120	3		IN	622604605014	5230	47.0	9	117.0	PN	45	K	
Eng. TD 226 B			4160	4			IN	622604607014	5231	47.0	9	117.0	PN	30	K
(75/88/110/130 KW)			6240	6		EX	622604605034	5232	43.0	9	117.0	PN	45	K	
							622604607034								
															
M.W.M.															
Eng. D 6.10 TCA				4		IN	961004600014	5320	45.0	9	126.0	PN	30	K	
Eng. D 6.10				6											
Eng. D 4.10 TCA															
Eng. D 4.10															
Eng. D 6.10 T						EX	961004600024	5321	41.0	9	126.0	PN	45	K	
Eng. D 4.10 T															









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.	
M.W.M.																
Eng. TC 2016	TC2016			4		IN	12275153	5322	47.0	9	152.7	PN	30	K		
							EX	12275154	5323	43.0	9	152.7	CV	30	K	
																
M.W.M.																
Eng. D 234 Eng. TD 234 (166/221/300/332/400/600 KW)	TD234	1982	10800 14400 21600	6 8 12		IN	623404600064	5325	58.0	10	162.9	PN	30	A		
							IN	623404600014	5324	58.0	10	161.9	PN	45	A	
							EX	623404600054	5326	53.0	10	161.9	PN	45	A	
																
MACK																
END 673 ENDT 673 ENDT 675 END 711				6		IN	690GC2187B 690GC2187A	0790	57.0	12.6	174.5	PN	30	C		
							EX	688GC2352A	0791	48.0	12.6	174.5	PN	30	C	
																
MACK																
676				6		IN	690GC2193	0792	57.0	12.7	174.7	PN	30	B		
							EX	688GC337A	0793	48.0	12.6	175.0	PN	30	B	
																
MACK																
E6-4V E7-4V E650-4V Diesel						IN	690GC2210	0794	43.0	9.5	176.5	PN	30	B		
							EX	688GC2378	0795	40.0	9.5	174.5	PN	30	B	
																
MACK																
E6 -4V Diesel				6		IN	690GC2200	0796	43.0	11	176.5	PN	30	B		
							EX	688GC2373	0797	40.0	11	174.5	PN	30	B	
																
MACK																
E7 -ETECH 4V Diesel						IN	690GC425A	1153	43.0	9.5	179.1	PN	20	AP		
							IN	690GC342	1151	43.0	9.5	176.7	PN	20	AP	
							EX	688GC344	1152	40.0	9.5	177.6	PN	30	AP	
							EX	688GC416	1154	40.0	9.5	177.6	PN	30	AP	
																













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
MARBUS																	
VIVE TLL	D 0836 LOH 64	2010	6871	6		IN	51041010537	2345	37.0	7	141.5	PN	30	K			
						EX	51041010538	2346	34.0	7	141.2	PN	45	K			
																	
MASSEY FERGUSON																	
FE / MF 35 / MF 35X 35 - TVO - LO 135 Petrol		1956/73	2260	4		IN	826244M1	0185	33.8	7.9	108.2	PN	45	A			
						EX	826245M1	0186	31.4	9.5	106.6	PN	45	Q			
																	
MASSEY FERGUSON DIESEL																	
Eng. Perkins 3.152 Eng. Perkins D3.152 Eng. Perkins 4.192 Eng. Perkins D4.203 (31/37/41 KW)		1953 1957 1959 1966 1970	2491 2147 3330	3 4		IN	731151M1 732811M1	0580	39.0	7.9	114.3	CV	45	A			
						EX	731152M1 737640M1	0581	33.4	7.9	114.3	CV	45	A			
																	
						IN	420002	G50378	12.72	7.94	66					Gh	
						EX	420002	G50378	12.72	7.94	66					Gh	
MASSEY FERGUSON DIESEL																	
Eng. Perkins 4.99 MF 825 Eng. Perkins 4.107 MF 25 / 130 (21/30 KW)		1960/73 1965/73	1622 1759	4		IN	0910060	0585	35.9	8	116.8	PN	45	A			
						IN	732101M1	6521	35.9	8	116.8	PN	45	H			
						EX	734106M1	0586	30.3	7.9	117.0	PN	45	A			
																	
MASSEY FERGUSON DIESEL																	
Eng. Perkins 4.212 MF 165 Eng. Perkins 4.236 MF 165 / 168 / 175 / 1080 Eng. Perkins 6.354 MF 510 / 515 / 1100 (47/59/85 KW)		1965 1969 1974	3475 3867 5800	4 6		IN	733819M1	0587	44.2	9.5	122.8	PN	45	A			
						EX	733818M1	0588	36.6	9.5	123.3	PN	45	A			
																	
						IN	33261732	G50934	15.92	9.52	58					Gh	
EX	33261752	G50935	15.92	9.52	61.2					Gh							
MAZ																	
4370 555142	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B			
						EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B			
																	

















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
MAZDA																	
Mazda 2 1.6 16V Mazda 2 1.4 16V Eng.FXJA-FYJA-HWDA-HWDB Ford	FYJA HWDA HWDB	2004 2006	1596	4		IN	C60112111	1262	30.0	6	99.0	CV	45	K			
							EX C40112121	1263	24.1	6	101.5	CV	45	K			
																	
MAZDA																	
2 1.4 16V		2006	1388	4		IN	C40112111A	1277	28.0	6	99.4	CV	45	K			
							EX C40112121	1263	24.1	6	101.5	CV	45	K			
																	
MAZDA																	
Mazda 2 1.2 16V Eng.C2	C2	2003	1242	4		IN	C20112111 1E0612111	1313	26.0	6	99.7	CV	45	K			
							EX C20112121	1314	22.1	6	101.7	CV	45	K			
																	
MAZDA																	
Mazda 3 2.0 16V Mazda 5 2.0 16V Mazda 6 2.0 16V Mazda 6 2.3 16V MPV 2.3 16V Eng.LF Ford	LF	2003 2004 2005	1999 2261	4		IN	LF0112111	1315	35.0	5.5	103.4	CV	45	A			
							EX LF0112121 LF0212121	1316	30.0	5.5	104.6	PN	45	A			
						IN FSY1-10-280 EX FSY1-10-280	G5S2775 G5S2775	11.05 11.05	5.53 5.53	39 39				MS MS			
MAZDA																	
5 1.8 i.e. 16V 6 1.8 i.e. 16V Eng L8 Ford Duratec	L8Ford	2005 2006	1798	4		IN	1324691 L80112111 1211483	1317	32.5	5.5	103.4	CV	45	A			
							EX 1324690 L80112121C	1318	28.0	5.5	104.6	CV	45	A			
						IN LFY1-10-281 EX LFY1-10-281	G5S2775 G5S2775	11.05 11.05	5.53 5.53	39 39				MS MS			
MAZDA																	
121 1.3i			1299	4		IN	1E0312111	1332	34.5	7	104.0	CV	45	K			
							EX 1E0312121	1331	29.0	7	104.4	PN	45	K			
																	







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
MAZDA																				
Capella 1600 / Telstar 1600 Eng. F6 (60 KW)	F6	1982	1587	4		IN	F60112111	1658	41.0	8.1	111.8	PN	45	A						
							EX	F60112121	1659	33.5	8.1	111.8	PN	45	A					
																				
MAZDA																				
616 / 626 / 808 / Bongo / Capella / Proceed / B / E 1.6 (Eng. NA) 626 / 929 / B / Bongo Cosmo / Capella / Courier Luce / Proceed 1.8 (Eng. VC) 121 / 626 / 929 / B - T / Capella / Cosmo / Courier / Luce 2.0 (Eng. MA) (66/68/74/81 KW)	NA VC	1969 1969 1973 1977 1978 1982	1586 1769 1796 1970	4		IN	029012111C	1662	42.0	8.1	108.6	CV	45	A						
							EX	D27Z6505A 030512121	1663	33.0	8.1	107.1	PN	45	A					
							IN EX	0370-10-280 0305-23-090	G51334 G51335	14.03 14.03	8.09 8.09	50.5 50.5							Gh Gh	
																				
MAZDA																				
323 1600 Eng. B6 OHC (63 KW)	B6OHC	1989	1598	4		IN	B630012111	1664	38.0	7	103.6	CV	45	A						
							EX	B630012121	1665	32.0	7	102.7	PN	45	A					
						IN EX	B6Y0-10-290 B6Y0-10-290	G52563 G52563	12.06 12.06	7.02 7.02	50 50			Gh Gh						
MAZDA																				
Bongo / Capella / Spectron / Telstar 1800 Eng. F8 Bongo / Capella / Cosmo / Luce / Telstar / 929 2000 Eng. FE (74 KW)	FE F8	1982	1789 1998	4		IN	F80112111A	1668	44.0	8.1	111.7	CV	45	A						
							EX	F80412121 F80112121A	1669	36.0	8.1	111.5	CV	45	A					
																				
MAZDA																				
Familia / Bongo 1000 / 79 Eng. PB	PB	1969	987	4		IN	024912111A	1670	32.0	7.1	108.0	PN	45	A						
							EX	024912121A	1671	27.5	7.1	98.5	PN	45	A					
																				
MAZDA																				
808 / 818 / 823 / E 1.3 Bongo / Familia 1.3 FamiliaPresto 1.3 Gran Familia / Proceed 1.3 (Eng. TC) 323 / Familia 1.3 (Eng. E3) Bongo / 323 / E / Familia 1.4 (Eng. UC) 323 / Familia / Laser 1.5 (Eng. ES) (48/53/61/63/64 KW)	ES UC TC	1976 1978 1980	1272 1296 1415 1490	4		IN	032412111A	1674	36.0	8.1	105.5	CV	45	A						
							EX	048812121 032412121A	1675	31.0	8.1	103.5	PN	45	A					
																				









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∅	M.	
MAZDA																
Titan T 2000 / 79 Eng. VA	VA	1971	1985	4		IN	055212111	1676	39.5	8.1	112.5	PN	45	A		
							EX	055212121A	1677	30.0	8.1	112.5	PN	45	A	
																
MAZDA																
Eng. XA / XB / YB / ZB			2500 2700	4		IN	063612111	1678	40.0	8	114.7	PN	45	A		
							EX	063612121 052712121	1680	36.0	8	114.9	PN	45	A	
																
MAZDA																
626 2200 626 Turbo 2200 MX6 2200 MX6 Turbo 2200 Probe / Turbo 2200 Eng. F2 12V (85 KW)	F2	1988 1992	2184	4		IN	F20212111 F20112111	1690	32.5	7	115.8	CV	45	A		
							EX	F20112121 F20112121B F20112121A	1691	34.0	7	116.2	CV	45	A	
																
MAZDA																
Familia 323 Eng. B6 MX-3 (63 KW)	B6	1989 1992 1993	1597	4		IN	B54112111	1696	29.5	6	104.0	CV	45	A		
							EX	B54112121	1697	23.5	6	105.0	PN	45	A	
								IN	B6Y0-10-290	G52563	12.06	7.02	50			Gh
						EX	B6Y0-10-290	G52563	12.06	7.02	50				Gh	
MAZDA																
Familia 323 Eng. BP / B5 MX5 1.8i 16V (78 KW)	BP B5	1994 1998	1840	4		IN	BP4W12111 BP0512111 BP0612111	1698	32.9	6	101.7	CV	45	A		
							EX	BP4W12121 BP0512121A	1699	28.0	6	102.0	PN	45	A	
								IN	B6Z0-10-280	G52571	11.05	6.01	48.6			Gh
						EX	B6Z0-10-290	G52546	11.05	6.01	48.6				Gh	
MAZDA																
MX6 626 1.8 16V 626 2.0 16V Premacy 1.8 16V MPV 2.0 16V		1993 1995 1998	1840 1991	4 6		IN	FS0112111B FS0112111C	2510	31.5	6	89.8	CV	45	A		
							EX	FS0112121B FS0112121A	2511	27.6	6	90.0	PN	45	A	
								IN	F2Y1-23-091	G52572	12.08	7.02	53			Gh
						EX	F2Y1-23-091	G52572	12.08	7.02	53				Gh	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MAZDA															
MX3 1.6i 16V MX5 1.6i 16V		1996 1998	1597	4		IN	B65712111 B6MC12111	2526	31.0	6	105.4	CV	45	A	
						EX	B69512121B BJ0112121 B66012121	2527	26.2	6	105.5	PN	45	A	
						IN	B6Y0-10-290	G52563	12.06	7.02	50				Gh
						EX	B6Y0-10-290	G52563	12.06	7.02	50				Gh
MAZDA															
CX 2.0 16V 6 2.0 16V 3 2.0 16V Atenza	PEY6 PEY7	1998 2011 2013 2014	2011 2013 2014	4		IN	PE0112111	3480	33.2	5.5	106.9	CV	45	A	
						EX	PE0112121	3481	27.9	5.5	116.9	PN	45	A	
						IN									
						EX									
MAZDA															
Protege A/T Protege M/T		1990 1992				IN	BP0112111	3487	30.0	6	101.8	CV	45	A	
						EX	BP0112121	3488	25.0	6	103.0	PN	45	A	
						IN									
						EX									
MAZDA															
929 929 S 929 M/T MPV 3.0L V6 4WD MPV 4WD ES MPV RWD ES		1988 1990 1992 1995 1997	3000			IN	JE0112111	3489	33.0	7	121.4	CV	45	A	
						EX	JE0612121A	3486	38.0	8.1	122.6	CV	45	A	
						IN									
						EX									
MAZDA															
Demio 60 / 75 Demio 1.3 / 1.5 323 1.6 16V		1999	1324	4		IN	B36612111	3490	25.5	6	104.0	CV	45	A	
						EX	B36612121	3491	21.5	6	105.0	PN	45	A	
						IN	B6Z0-10-280	G52571	11.05	6.01	48.6				Gh
						EX	B6Z0-10-290	G52546	11.05	6.01	48.6				Gh
MAZDA															
323 1.5 323 F 1.6 16V		1998	1498	4		IN	ZL0212111	3492	29.2	6	91.2	CV	45	A	
						EX	0212121	3493	25.9	6	90.6	PN	45	A	
						IN									
						EX									













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.		
MAZDA																
MX3 1.8i 24V V6 Xedos 6 2.0 24V Xedos 9 2.0 24V		1992 1994	1845 1995	6		IN	KF0112111A	3494	28.5	6	94.2	CV	45	A		
							EX	K80112121 KF0112121	3495	23.0	6	95.2	CV	45	A	
																
MAZDA																
B 2600 A/T 4WD B 2600 A/T RWD B 2600 M/T 4WD B 2600 M/T RWD MPV 2.6 L		1989 1990 1991 1992	2600			IN	G60112111	3496	33.3	7	112.6	CV	45	A		
							EX	G60112121 G60212121 G61212121	3497	36.0	7	113.9	CV	45	A	
																
MAZDA																
Tribute 2.0 16V		2003	1998	4		IN	YF0912111	3500	32.0	6	97.1	CV	45	A		
							EX	0912121	3501	28.0	6	96.5	CV	45	A	
																
MAZDA																
Tribute 3.0 V6 24V		2003	2967	V6		IN	AJ0312111	3502	34.9	6	114.4	CV	45	K		
							EX	AJ0312121	3503	29.9	6	115.4	CV	45	K	
																
MAZDA																
Mazda 3 1.4 16V		2004	1349	4		IN	ZJ0112111A	3504	27.7	5.5	98.3	CV	45	A		
							EX	ZJ0112121 ZJ0112121A ZJ0112121B	3505	24.0	5.5	98.8	PN	45	A	
																
MAZDA																
Mazda 3 1.6 16V Eng. B6ZE	B6ZE	2004	1598	4		IN	ZY0112111A	3506	29.2	5.5	97.1	CV	45	A		
							EX	ZY0112121 ZY0112121A ZY0112121B	3507	25.9	5.5	96.6	PN	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MAZDA															
CX 7 2.3 16V T DISI Eng.MZR Turbo		2007	2261	4		IN	L3K912111	3510	35.2	6	103.4	CV	45	A	
						EX	L3K912121C	3511	30.0	6	104.7	PN	45	A	
															
MAZDA															
121 1.2 16V Eng.DHA Ford	DHA	1996	1242	4		IN	1E0512111	3514	26.1	6	97.7	CV	45	A	
						EX	1E0512121	3515	22.1	6	99.7	PN	45	A	
															
MAZDA															
323 Lantis 1.5			1489	4		IN	Z50112111C Z50112111A	3516	27.7	5.5	92.3	CV	45	A	
						EX	0112121	3517	24.0	5.5	92.8	PN	45	A	
															
MAZDA															
MX6		1993	2500	4		IN	KL0112111A	3518	32.0	6	94.0	CV	45	A	
						EX	KL0112121	3519	27.6	6	95.0	CV	45	A	
															
						IN	FZY1-23-091	G52572	12.08	7.02	53				Gh
						EX	FZY1-23-091	G52572	12.08	7.02	53				Gh
MAZDA															
929 DOHC 3000		1992		6		IN	JE2612111	3520	34.8	6	115.3	CV	45	A	
						EX	JE2612121	3521	31.0	6	120.6	PN	45	A	
															
MAZDA															
Craft 1500 UA Engine		1971		4		IN	057112111	3522	37.5	8.1	114.5	PN	30	A	
						EX	057112121	3523	30.0	8.1	114.5	PN	45	A	
															
MAZDA															
Xedos 9 2.3 Eng.KF	KF	1992		V6		IN	KJ0112111	3524	28.4	6	108.0	CV	45	A	
						EX	KJ0112121A	3525	24.2	6	108.1	CV	45	A	
															










Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
MAZDA																
121 323 Eng.B3-TC	B3 TC		1272 1323	6		IN	B3C712111A	3526	25.5	6	108.2	CV	45	A		
							EX	B3C712121A B3D212121A	3527	21.5	6	109.4	CV	45	A	
							IN	0370-10-280	G51334	14.03	8.09	50.5				Gh
							EX	0305-23-090	G51335	14.03	8.09	50.5				Gh
MAZDA																
B 4000		1994 1997		4		IN	ZL012111	3528	43.5	8	103.8	CV	45	A		
							EX	ZL012121	3529	34.5	8	104.0	PN	45	K	
							IN									
							EX									
MAZDA																
Familia 323 Eng. E3 / E5 (50/55 KW)	E3 E5	1985	1296 1490	4		IN	E5D312111	5112	36.0	8.1	108.5	CV	45	A		
							EX	E35812121	5113	31.0	8.1	106.5	PN	45	A	
							IN	0370-10-280	G51334	14.03	8.09	50.5				Gh
							EX	0305-23-090	G51335	14.03	8.09	50.5				Gh
MAZDA DIESEL																
Mazda 2 1.4 TD Eng F6JA-F6JB	F6JA F6JB	2003	1399	4		IN	Y40112111	0894	32.8	5.5	97.3	CV	45	K		
							EX	Y40112121	0895	30.3	5.5	97.3	PN	45	K	
							IN									
							EX									
MAZDA DIESEL																
Mazda 2 1.6 Tdi Mazda 3 1.6 Tdi Eng Y6 Peugeot	Y6	2004	1560	4		IN	Y60112111	0898	25.6	5.5	96.4	CV	45	K		
							EX	Y60112121	0899	23.4	5.5	96.6	PN	45	K	
							IN									
							EX									
MAZDA DIESEL																
BT 50 16VTD Bongo 2500	WE	2009	2499 3000	4		IN	WE0112111 6M346507AA 1449108	1283	31.0	6	111.9	PN	45	A		
							EX	WE0112121 6M346505AA 1449109	1284	28.0	6	111.9	PN	45	A	
							IN									
							EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
MAZDA DIESEL																	
Bongo / Capella / spectron 2000 D Eng. RF Bongo 2200 Diesel Eng. R2 Eng E2000/2200 (53 KW)	RF R2	1983	1998 2184	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A			
						EX	RF0112121B	1711	36.0	8	106.8	PN	45	A			
						IN		G552731	11.05	6.01	39						MS
						EX	011-10-290	G52346	14.03	8.03	37.7						Gh
MAZDA DIESEL																	
323 2.0 TD 626 2.0 TD Premacy 2.0 DiTD Eng.RF2	RF2	1999	1998	4		IN	RF2A12111	1712	29.7	6	115.3	PN	45	A			
						EX	RF2A12121	1713	25.5	6	114.6	PN	45	A			
						IN											
						EX											
MAZDA DIESEL																	
MPV 2.0 TD B 2500 TDS (80 KW) Eng.WLT-W6	WLT W6	1998 1999	2499	4		IN	WL0112111 WL5112111	1714	32.7	7	111.8	PN	45	A			
						EX	WL5112121A WL0112121	1715	35.6	7	111.8	PN	45	A			
						IN											
						EX											
MAZDA DIESEL																	
Mazda 3 2.0 TD 16V Mazda 5 2.0 CD 16V Mazda 6 2.0 CD 16V MPV 2.0 TD Eng.RF5	RF5	2003 2006	1998	4		IN	RF5C12111	1716	27.2	6	115.2	PN	45	A			
						EX	RF5C12121	1713	25.5	6	114.6	PN	45	A			
						IN											
						EX											
MAZDA DIESEL																	
6 2.2 CD CX7 2.2 CD Eng.MZR		2009	2184	4		IN	R2AA12111	3530	27.2	6	91.8	PN	45	A			
						EX	R2AA12121	3531	25.5	6	91.3	PN	45	A			
						IN											
						EX											
MAZDA DIESEL																	
CX 2.2 D 6 2.2 D 3 2.2 D Eng.SHY1	SHY1	2012 2013 2014	2191	4		IN	SH0112111	3534	31.2	5.5	99.9	PN	45	K			
						EX	SH0112121A SH0112121D	3535	27.0	5.5	99.1	PN	45	K			
						IN											
						EX											















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
MERCEDES BENZ																
280. 280 S / E / SE / SL / SEL Eng. M 110 (118/136 KW)	M110	1976 1980	2746	6		IN	1100500726	2723	45.2	9	115.0	CV	45	A		
							EX	1100500027	2725	37.1	11	118.0	PN	45	A	
								IN	110 050 53 24	G52275	14.04	9	51.5			Ra
								EX	110 050 65 24	G51311	15.04	11	54			Ra
MERCEDES BENZ																
280 S / C / E / CE / TE / SE / SEL / SL / GE 4x4 Eng. M 110 (115/135 KW)	M110	1980	2746	6		IN	1100500726	2723	45.2	9	115.0	CV	45	A		
							EX	1170500127 1170500027	2729	39.1	9	118.2	PN	45	A	
								IN	110 050 53 24	G52275	14.04	9	51.5			Ra
								EX	110 050 65 24	G51311	15.04	11	54			Ra
MERCEDES BENZ																
280 SE 300 SEL 350 SE / SEL / SL Eng. M 116 450 Se / SEL / SL Eng. M 117 (132/147/160 KW)	M116 M117	1969 1972 1971 1975	2399 4520	8		IN	1160500226 1160500126	2728	44.2	9	117.0	PN	45	A		
	EX	1100500027	2725	37.1			11	118.0	PN	45	A					
		IN	116 050 47 24	G52284			14.04	9	47.5			Ra				
		EX	110 050 65 24	G51311			15.04	11	54			Ra				
MERCEDES BENZ																
420 SL / SE / SEL / SEC Eng. M 116 450 SLC 500 Se / SEL / SL / SLC Eng. M 117 (160/170/177 KW)	M116 M117	1977 1981 1985	4196 4973	8		IN	1160500126 1160500226	2728	44.2	9	117.0	PN	45	A		
	EX	1170500127 1170500027	2729	39.1			9	118.2	PN	45	A					
		IN	116 050 47 24	G52284			14.04	9	47.5			Ra				
		EX	110 050 65 24	G51311			15.04	11	54			Ra				
MERCEDES BENZ																
380 SE / SEL / SL / SLC Eng. M 116 K-Jetronic 380 SE / SEL / SEC / SL Eng. M 116 (160 KW)	M116	1979 1981	3818 3839	8		IN	1160500226 1160500126	2728	44.2	9	117.0	PN	45	A		
	EX	1160500027 1160500127	2735	37.1			9	118.2	PN	45	A					
		IN	116 050 47 24	G52284			14.04	9	47.5			Ra				
		EX	117 050 06 24	G52064			15.04	9	50.5			Ra				
MERCEDES BENZ																
C 180 16V Eng. 111.920 E18 (KW 90) UP TO Engine 12-008-003	M111920	1993	1799	4		IN	1110530401 1110530301	2732	33.0	7	101.5	PN	45	K		
	EX	1110500627	2733	29.0			7	103.5	PN	45	K					
		IN	606 053 02 30	G52453			12.56	7.02	37.5			Gh				
		EX	606 053 02 30	G52453			12.56	7.02	37.5			Gh				

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.								
MERCEDES BENZ																							
380 SE / SEL / SEC / SL%(150 kW)	M116	1981	3839	8		IN	1160500326	2734	39.1	9	117.0	PN	45	A									
							1160500426																
							EX	1160500127	2735	37.1	9	118.2	PN	45		A							
								1160500027															
	IN	116 050 36 24	G51684	14.04	9	47.5								Ra									
		EX												117 050 06 24	G52064	15.04	9	50.5					Ra
MERCEDES BENZ																							
190 E 1.8 Eng. M 102 190. 190 E 200 . 200 T / E / GE 4x4 200 GE 4x4 Cabriolet Eng. M 102 /74/77/80/90 kW) 230GE	M102	1982 1984 1989 1990	1797 1997 2298	4		IN	1020500426	2737	43.0	8	114.9	PN	45	A									
							1020500526																
							1020501601																
							1020501801																
							1020530901																
							1020531801																
EX	1020500027	2738	39.0	9	115.8	PN	45	A															
	1020500327																						
	IN	102 050 17 24	G52067	14.04	8	46								Ra									
		EX												102 050 18 24	G52069	14.04	9	51				Ra	
MERCEDES BENZ																							
208 / 210 / 308 / 310 / 410 L 408 / 409 / 410 LK 408 / 409 / 410 O 309B / 410 / 510 230 E / CE / TE 230 GE 4x4 190 E 2.3 230 GE 4x4 Cabriolet Eng. M 102 (70/77/79/92/97/100 kW)	M102	1980 1982 1986 1989	2299	4		IN	1020500326	2739	46.0	8	115.0	PN	45	A									
							1020531701																
							1020530801																
							1020531501																
							EX									1020500027	2738	39.0	9	115.8	PN	45	A
																1020500327							
	IN	102 050 17 24	G52067	14.04	8	46								Ra									
		EX												102 050 18 24	G52069	14.04	9	51				Ra	
MERCEDES BENZ																							
450 SEL (210 kW)	M100	1975	6834	V8		IN	1000500901	2740	50.8	9	142.7	PN	45	A									
							EX									1000500127	2741	42.9	11	144.0	PN	45	A
																							
MERCEDES BENZ																							
260 E / SE / 4 Matic Eng. M 103 190 E 2.6 Eng. M 103 E 26 (118/122 kW)	M103	1985	2599	6		IN	1030532301	2743	40.0	8	110.3	PN	45	A									
							1030531601																
							1030532101																
							EX									1030501327	2744	35.0	9	110.9	PN	45	A
	IN	103 050 03 24	G52125	14.04	8	42								Ra									
		EX												103 050 07 24	G52127	14.04	9	48				Ra	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.															
MERCEDES BENZ																														
300 GE / 4x4 Cabriolet 300 E. 300 SE / SEL / SL 300 E / CE / TE 300 E / TE / 4Matic Eng. M 103 (125/132/138/140 KW)	M103	1985 1989	2960 2962	6		IN	1030532001	2745	43.0	8	110.3	PN	45	A																
							1030531301																							
							EX	1030500527 1030501727								2746	39.0	9	110.9	PN	45	A								
								IN								103 050 03 24								G52125	14.04	8	42			
EX	103 050 07 24%	G52127	14.04	9	48						Ra																			
MERCEDES BENZ																														
190 - 090 E - 200 Eng. M 102 (63/66 KW)	M102	1982	1997	4		IN	1020530601	2755	40.0	8	114.9	PN	45	A																
							EX	1020500127 1020500427								2756	36.0	9	115.8	PN	45	A								
MERCEDES BENZ																														
190 E 2.3 - 16 Eng. M 102 190 E 2.5 - 16 Eng. M 102 (136/143/150 KW)	M102	1984 1988 1989 1990	2299 2498	4		IN	1020531001	2758	38.0	7	111.7	PN	45	A																
							1020531401																							
							EX	1020500827 1020501127 1020500627								2759	33.0	8	111.5	PN	45	A								
								IN								102 050 17 24								G52067	14.04	8	46			
EX	102 050 18 24	G52069	14.04	9	51					Ra																				
MERCEDES BENZ																														
500 SL / SE / SEL / SEC Eng. M 117 560 SE / SEC Eng. M 117 (180/200 KW)	M117	1985	4973 5547	8		IN	1170500126	2760	46.2	9	117.0	PN	45	A																
							EX	1170500027 1170500127								2729	39.1	9	118.2	PN	45	A								
MERCEDES BENZ																														
300 E - 24 / CE - 24 / 7E - 24 300 SL - 24 / Cabriolet Eng. M 104 (162/170 KW)	M104	1989	2960	6		IN	1040530801	2764	35.0	8	101.5	PN	45	A																
							1040531001																							
							EX	1040501427								2765	31.0	9	103.5	PN	45	A								
MERCEDES BENZ																														
500 SL / E 500 SE / SEL Eng. M 119 (240 KW)	M119	1989/90 1991	4973	8		IN	1190530801	2768	38.0	7	95.8	PN	45	K																
							1190531801																							
							IN	1190530401 1190530501								2766	38.0	8	95.8	PN	45	A								
							EX	1190501027 1190500927								2775								33.0	7	102.6	PN	45	K	
EX	1190500527	2767	33.0	9	102.6	PN	45	A																						
	IN	104 050 52 24								G52425	13.53	7	35.5						Br											
	EX	104 050 27 24																	G52429	13.53	9	38								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
MERCEDES BENZ																
C200 16V	M111940	1992	1998	4 6		IN	1110530201	2770	35.0	7	101.5	PN	45	K		
200 E / CE / TE	M104996	1993	2199													1110530101
E200 16V		1998	2799													
C220 16V			2199			EX	1110500527	2771	31.0	7	103.5	PN	45	K		
220E / CE / TE																
E220 16V																
C280 24V																
SL 280							IN	606 053 02 30	G52453	12.56	7.02	37.5			Gh	
S 280 24V					EX		606 053 02 30	G52453							12.56	7.02
280E / TE - E 280 24V																
SL 320																
S 320 24V																
320 E / CE / TE																
G 320 4x4																
100/110/142/150/155/170 KW)																
SL 600																
Eng.M111.940-M104.996																
MERCEDES BENZ																
E 200 16V	M111940	1995	1998	4 6		IN	1110531101	2772	35.0	7	101.5	PN	45	A		
E 230 16V	M104996	1999	2295													1110532101
E 280 24V		2001	2799													
E 320 24V		2002	3199													
(100 KW)						EX	1110501427	2773	31.0	7	103.5	PN	45	A		
C 200 / 200 K							1110501227									
C 230 K																
CLK 200 / 200 K																
CLK 230 K							IN	606 053 02 30	G52453	12.56	7.02	37.5			Gh	
SLK 200 / 200 K					EX		606 053 02 30	G52453							12.56	7.02
SLK 230 K																
V 200																
V 230																
E 200 K																
C Sportcoupé 180																
C Sportcoupé 200 Kompressor																
C Sportcoupé 230 Kompressor																
Vito 113 B																
Sprinter 214-314																
ML 230																
E200																
MERCEDES BENZ																
300 SE 3.2 - 24	M104	1991	3199	6 12		IN	1040531201	2772	35.0	7	101.5	PN	45	A		
300 SEL 3.0 - 24	M120	1992	5987													1040531401
Eng. M 104																
600 SE / SEL / SEC V12																
Eng. M 120						EX	1040501027	2763	31.0	8	103.5	PN	45	A		
(170/300 KW)							1040501727									
Eng.104.990																
MERCEDES BENZ																
400 SE / SEL	M119	1991	4196	8		IN	1190531201	2774	35.0	7	95.8	PN	45	K		
Eng. M 119																
(210 KW)																
						EX	1190500927	2775	33.0	7	102.6	PN	45	K		
							1190501027									
							IN	104 050 52 24	G52425	13.53	7	35.5			Br	
					EX		104 050 27 24	G52429							13.53	9

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
MERCEDES BENZ															
A 140 A 160 A 140 Long A 160 Long Vaneo 1.6-1.9 A 150-B 150 A 170-B 170 A 200-B 200	M266920 M266940 M266970	1998	1397 1598	4		IN	1660530101	2782	40.0	6	103.0	CV	45	A	
						EX	1660500327	2783	34.0	7	102.7	PN	45	A	
MERCEDES BENZ															
C 240 2.4 i V6 18V E 240 2.4 i V6 18V	M112910	1999 2002	2398	V6		IN	1130530001	2784	30.0	7	120.7	PN	45	A	
						EX	1130500127	2785	34.0	7	121.7	PN	45	A	
MERCEDES BENZ															
A 190 A 190 Long A 210 2.1 i Vaneo 1.6 Vaneo 1.9	M166960	1998 2002	1898	4		IN	1660530201	2786	43.0	6	102.9	CV	45	A	
						EX	1660500427	2787	36.0	7	102.7	PN	45	A	
						IN	606 053 12 29	G52522	12.56	6	37.5				Gh
						EX	606 053 02 30	G52453	12.56	7.02	37.5				Gh
MERCEDES BENZ															
CLASSE A 150 CLASSE A 170 CLASSE A 200	M111940 M104996 M266940	2004	1497 1698 2034	4		IN	1660530201	2786	43.0	6	102.9	CV	45	A	
						EX	2660530105 2660500027	3252	35.0	7	102.7	CV	45	A	
						IN	606 053 12 29	G52522	12.56	6	37.5				Gh
						EX	606 053 02 30	G52453	12.56	7.02	37.5				Gh
MERCEDES BENZ															
C 240 C 320 C 280 C 43 AMG E 240 / 280 E 320 / 430 SL 280 / 320 S 280 / 320 / 430 V 280 CLK 430 SLK 320 Classe M 320 V6 Classe M 430 V8 Classe G C 320 Sportcoupè CLK 240 CLK 320 Vito 119 V6 Vito 122 V6 Eng.M112.924	M112924	1999 2004	2597 2799 3199 4266	V6 V8		IN	1130530101 1130530501	2788	36.0	7	119.5	PN	45	A	
						EX	1130500227	2789	41.1	7	122.3	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
MERCEDES BENZ																
Smart M 16 600-700	M160910	2001	599 698	3		IN	1600530001	3250	30.1	6	89.2	PN	45	A		
							1600530101									
							EX	1600500027	3251	24.9	6	89.4	PN	45		A
								1600500327								
MERCEDES BENZ																
C 160 Kompressor 1.8 16V C 180 Kompressor C 200 Kompressor C 230 Kompressor E 200 Kompressor CLK 200 Kompressor SLK 200 Kompressor C 200 Kompressor 1.8 16V CLK 200 Kompressor 1.8 16V	M271	2004 2006	1796	4		IN	2710530001	3253	30.5	7	105.4	CV	45	A		
							EX	2710500027	3254	27.0	7	109.2	PN	45		A
								2710500427								
MERCEDES BENZ																
C 180 Kompressor C 200 Kompressor Eng.M271.950 Eng.M271.952	M271	2007	1796	4		IN	2710530501	3255	30.5	6	105.4	CV	45	K		
																2710530601
							EX	2710500627	3256	27.0	6	109.3	PN	45		K
MERCEDES BENZ																
C 230 Eng.M272.921 C 280-R280-E280 Eng.M272.943-945-947	M272 M276 M278	2007	2496 3996	V6		IN	2720530801	3257	37.0	6	109.4	PN	45	K		
																2720530201
							EX	2720500927	3258	28.0	6	107.5	PN	45		K
								2720500227 2780500427								
MERCEDES BENZ																
R 350 CLS 350 CLK 350 SLK 350 SL 350 M 350	M273 M350	2007	3498	V6		IN	2720530501	3259	39.4	6	108.7	CV	45	K		
																2720530601
							EX	2720500827	3260	30.0	6	107.2	PN	45		K
								2720500627 2720501627								
MERCEDES BENZ																
Smart Fourfour 1.1 12V Smart Fourfour 1.3 16V Smart Fourfour 1.5 16V Eng.M134E11-M135E13- M135E15	M134E11	2004	1124 1332 1499	3 4		IN	1350530001	3261	30.4	5	89.5	CV	45	A		
							EX	1350530005	3262	25.4	5	90.9	CV	45		A

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
MERCEDES BENZ																		
C 180 1.8 i 16V From Eng.12-008-004 Eng.111920	M111920	1998	1799	4		IN	1110531201	3263	32.9	7	101.5	CV	45	A				
							EX	1110501327	3264	29.0	7	103.5	PN	45	A			
								IN	606 053 02 30	G52453	12.56	7.02	37.5				Gh	
								EX	606 053 02 30	G52453	12.56	7.02	37.5				Gh	
MERCEDES BENZ																		
S 500 E 55 AMG Classe G 500 CL 500 SL 500 ML 550 AMG Eng.M113.980	M113980	1999	4966 5439	V8		IN	1130530201	3265	37.9	7	119.2	PN	45	A				
							EX	1130500327	3266	43.0	7	121.9	PN	45	A			
								IN		G5S2678	12.56	7.02	50				MS	
								EX		G5S2678	12.56	7.02	50				MS	
MERCEDES BENZ																		
A 180 A 200 A 250 B 200 B 250 CLA 180 CLA 250 ENG.M270 BLUE EFFICIENCY	M270	2012	1595	4		IN	2700530001	3284	31.5	6	115.8	PN	45	K				
	M274	2013	1911															
	EX						2700500100	3285	25.0	6	107.1	PN	45	K				
MERCEDES BENZ																		
E 300 E 350 E 400 C 300 C 350 CLS 300 CLS 350 CLS 400 GLK 350 SL 350 R 350 ML 350 ENG. M276 - M278	M276	2010	3498	V6		IN	2780500126	3286	37.0	6	104.1	CV	45	K				
	M278	2014																
	EX						2760500027	3287	30.0	6	107.3	PN	45	K				
MERCEDES BENZ DIESEL																		
240 D / TD - O 309 D 406 DG 407 D / 507 D / 510 D 207 D / 307 D / Ind. Eng. / Eng. OM 616 240 D 3.0 - 300 D / TD 240 GD 4x4 209 D / Ind. Eng. 300 GD 4x4 MB 100 D Eng. OM 617 300 TD Eng. OM 617 A - Turbo (35/39/48/53/56/59/65/92 KW)	OM617A	1973 1974 1978 1979 1990	2399 2998	4 5		IN	6160530201	0163	39.8	10	131.5	CV	30	VA				
							6160530301											
							6170530001											
							EX			6160500027	0164	34.2	10	131.0	PN	30	VA	
										6160500127								
										6170500027								
										6160500527								
								IN			616 053 03 29	G50108	14.03	10	60			
EX			621 053 36 30	G50110	14.03	10		48.5					Gh					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.							
MERCEDES BENZ DIESEL																						
Classe A	OM60715 OM607951	2012	1461	4		IN	6070531200	1702	33.4	6	101.0	PN	45	K								
						EX	6070531300	1703	28.9	6	100.8	PN	45	K								
																						
MERCEDES BENZ DIESEL																						
C 250 D C 250 D 20V E 250 E 300 TD E 220 D Eng.OM605910-605911-605962	OM605910 OM605911 OM605962	1993 1998	2497 2996	5 6		IN	6060531101	2046	29.0	6	105.4	PN	45	A								
						EX	6060501527 6060501127	2053	26.0	7	105.7	PN	45	A								
						EX	6060530705	2047	26.0	6	105.7	PN	45	A								
						IN	606 053 12 29	G52522	12.56	6	37.5				Gh							
						EX	606 053 12 29	G52522	12.56	6	37.5				Gh							
MERCEDES BENZ DIESEL																						
C 220 D 16V E 300 D 24V (70/100 KW) Eng.OM604.910-OM606.910	OM604910 OM606910	1993	2155 2996	4 6		IN	6060530701	2048	29.0	6	105.4	PN	45	K								
						EX	6060530305	2049	26.0	6	105.7	PN	45	K								
						IN	606 053 12 29	G52522	12.56	6	37.5				Gh							
						EX	606 053 12 29	G52522	12.56	6	37.5				Gh							
MERCEDES BENZ DIESEL																						
190 D - 200 D / TD Eng. OM 601 OM 603 C 200 D / E 200 D 16V Eng. OM 601.913 190 D Eng. OM 601 208 / 908 / 408 / 508 D Eng. OM 601 190 D 2.5 250 D / TD / GD 4x4 250 GD 4x4 Cabriolet / Station Wagon Eng. OM 602 190 D 2.5 Eng. OM 602 A - Turbo 210 / 310 / 41	OM601 OM602 OM603	1979 1983 1984 1985 1988 1989 1990 1993 1995	1997 2197 2299 2497 2874 2996 3449	4 5 6		IN	6010530401 6010530201 6010531701 6010531201	2747	38.0	8	106.4	PN	45	A								
						EX	6010502327 6010500227 6010502127 6010501927 6010501227 6010500527								2748	35.0	9	106.4	PN	45	A	
												IN	601 050 06 24	G52099	14.03	8	39.5				Gh	
												EX	601 050 09 24	G52101	14.03	9	37.5				Gh	
						MERCEDES BENZ DIESEL																
						A 160 Cdi A 170 Cdi A 170 Cdi LONG Vaneo 1.7 Cdi	OM668914	1998 2002	1689	4		IN	6680530101 6680530301	2790	29.6	6	105.2	PN	45	K		
												EX	6680500127	2791	24.6	7	105.0	PN	45	K		
																						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.
MERCEDES BENZ DIESEL														
C 200 Cdi / 200 Cdi	OM611	1999	1991	4		IN	6110530101	2792	30.1	7	104.0	PN	45	A
E 200 Cdi / 200 Cdi	OM612	2000	2148					6110530401						
V 220 Cdi		2002	2151											
C Sportcoupé 200 Cdi		2006												
B 200 Cdi						EX	6110500127	2793	28.4	7	104.4	PN	45	A
C 220 Cdi							6110530105							
C 270 Cdi														
S 320 Cdi						IN	611 053 03 29	G5S2681	12.56	7	37.5			MS
V 220 Cdi						EX	611 053 03 29	G5S2681	12.56	7	37.5			MS
Classe M 270 Cdi														
Vito 108 Cdi														
Vito 110 Cdi														
Sprinter 208 Cdi														
Sprinter 211 Cdi														
Sprinter 213 Cdi														
Sprinter 313 Cdi														
Sprinter 415 C														
Sprinter														

MERCEDES BENZ DIESEL														
ML 400 Dci	OM646	2004	2148	4		IN	6280530001	2794	28.7	7	104.1	PN	45	A
Sprinter U.S.A. OM647	OM647		2685	5				6460530001						
C 200 Cdi SportCoupè			3222	6										
C 220 Cdi			4000	8										
E 220 Cdi						EX	6280530005	2795	26.2	7	104.5	PN	45	A
E 270 Cdi														
E 280 Cdi														
E 320 Cdi						IN	611 053 03 29	G5S2681	12.56	7	37.5			MS
Vito 109						EX	611 053 03 29	G5S2681	12.56	7	37.5			MS
Vito 111														
Vito 115														
Sprinter 208-308														
Sprinter 213-313-413														
Sprinter 316-416-616														
Eng. OM 646- OM 647														

MERCEDES BENZ DIESEL														
SMART 800 Cdi	OM660	2007	799	3		IN	6600530101	2796	27.6	6	91.2	PN	45	K
Eng.OM660								Q0004570V003						
						EX	6600530005	2797	25.2	6	91.2	PN	45	K
							Q0004569V003							

MERCEDES BENZ DIESEL														
C 180 Cdi	OM651	2010	1796	4		IN	6510530101	2798	28.5	6	108.9	PN	45	K
C 200 Cdi			2143											
C 250 Cdi														
E 220 Cdi														
B 180 Cdi						EX	6510500127	2799	24.6	6	109.0	PN	45	K
B 200 Cdi														
B 220 Cdi														
GLK 200 Cdi														
GLK 220 Cdi														
Eng.OM651														

MERCEDES BENZ DIESEL														
C 180 Blue Tec	OM626	2014	1598	4		IN	6260500500	2362	23.5	6	104.1	PN	45	K
C 200 Blue Tec														
						EX	6260500800	2363	23.4	6	104.0	PN	45	K

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
MERCEDES BENZ DIESEL																
Classe A 160 Cdi Classe A 180 Cdi Classe A 200 Cdi Classe B 180 Cdi Classe B 200 Cdi Classe B 220 Cdi Smart four four 1.5 Dci C-CLK-CLS 320 3.0 Cdi V6 24V M 280-320 3.0 Cdi V6 24V R 320 3.0 Cdi V6 24V Vito 642 GLK 350 Cdi E 350 Cdi	OM640	2004	1500	4 V6		IN	6420530401	4218	28.5	6	102.3	PN	45	K		
	OM642	2006	1991 3000				5175396AA									
							EX	6420500527 5175397AA	4219	25.4	6	102.3	PN	45	K	

MERCEDES INDUSTRIAL															
Eng. OM 346 Eng. OM 355 / 355 H 355 A - Turbo (136/155/177/191/205 KW)	OM346	1964	10809	6		IN	3460530001	154	42.0	9	129.8	PN	45	B	
	OM355	1967	11581				3460530101								
		1978													
						EX	3460530005 3550500127 3460530105	0155	37.0	9	165.3	PN	45	B	
							IN 346 053 09 29	G50803	15.03	9	67.5				Gh
							EX 355 053 03 30	G50804	15.03	9	86.5				Gh

MERCEDES INDUSTRIAL															
Eng. OM 355 A - Turbo Eng. OM 346 - 951 (191/207 KW)	OM355	1978	11581	6		IN	3550530001	2051	42.0	9	130.6	PN	30	B	
	OM346														
						EX	3550530005 3550500027	2052	37.0	9	165.9	PN	30	B	
							IN 346 053 09 29	G50803	15.03	9	67.5				Gh
							EX 355 053 03 30	G50804	15.03	9	86.5				Gh

MERCEDES INDUSTRIAL															
Eng. OM 401 / A - Turbo Eng. OM 421 / A / LA - Turbo Eng. OM 407 / H / A / LA / HA / AH - Turbo Eng. OM 427 / H Eng. OM 402 Eng. OM 422 / A / LA - Turbo Eng. OM 403 Eng. 423 / A / LA - Turbo Eng. OM 404 / A - Turbo Eng. OM 424 / A / LA - Turbo (129-441) k	OM401	1971	9570	6 8 10 12		IN	4230500026	2730	59.0	12	142.5	PN	30	B	
	OM421	1972	10965				4030530901								
	OM424	1976	11413												
		1977	11961												
		1979	12670												
		1980	14618												
		1981	15960												
		1985	18270												
			20260												
			20910												
		21930													
						EX	4230500427 4230500327 4030500427 4030501027	2731	51.0	12	142.6	PN	45	B	
							IN 422 053 04 30	G51449	18.04	12	67				Gh
							EX 422 053 04 30	G51449	18.04	12	67				Gh

MERCEDES INDUSTRIAL															
Atego 716 Atego 1017 Atego 1223 Eng. 904936 / 904911 / 906910	904936	1996	4249	4		IN	9060500326	2736	34.0	8	128.7	PN	20	A	
	904911														
	906910														
						EX	9060500327 9060500327	2777	37.9	8	152.5	PN	45	A	










Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
MERCEDES INDUSTRIAL																	
Vario 512 C 112 CV		1996	2298 2874	4 5		IN	6010531501	2747	38.0	8	106.4	PN	45	A			
						EX	6010501927	2748	35.0	9	106.4	PN	45	A			

MERCEDES INDUSTRIAL																				
541.920 / 922 / 923 / 925 1831 / 1835 / 1839 / 1843 2531 / 2535 / 2539 / 2543 (230/260/290/315 KW) Actros 1831 Actros 1835 Actros 1840 Actros 1843 Actros 2543 Actros 1848 Actros 2548 Actros 1853 Actros 1857 Eng. (541920-542944) Axor Capacity	OM501 OM 457.950 OM 457.973	1996 2007	11949 11967	V6		IN	5410500226	2749	45.5	9	145.0	PN	30	B						
						EX	5410500227	2761	41.0	9	145.0	PN	45	B						
											IN	541 053 12 30	G52617	15.03	9	61				Gh
											EX	541 053 12 30	G52617	15.03	9	61				Gh

MERCEDES INDUSTRIAL																					
Eng. OM 401 A / LA - Turbo Eng. OM 401 A / LA - Turbo Eng. OM 441 A / LA - Turbo Eng. OM 421 / A / LA - Turbo Eng. OM 407 / H / A / LA / HA / AH - Turbo Eng. OM 447 / H / A / LA / HA - Turbo Eng. OM 427 / H / A / LA / HA - Turbo Eng. OM 402 A/LA Tu Eng.OM	OM401 OM402 OM427 OM404 OM424 OM444	1971 1972 1976 1979 1981 1985 1987 1991	9570 10958 10965 11309 11413 11961 11967 11970 12670 12756 14600 14610 14618 15100 15960 18270 20910 21930	6 8 10 12		IN	4220500226	2750	58.9	12	142.5	PN	30	B							
												EX	4420500427	2751	51.0	12	142.5	PN	45	B	
													4420500227								
													4220500127								
													4220500027								
												IN	422 053 04 30	G51449	18.04	12	67				Gh
												EX	422 053 04 30	G51449	18.04	12	67				Gh



MERCEDES INDUSTRIAL																				
Vario 815 D Atego 815 Atego 817 Atego 1217 Atego 1228 Eng. 904914 / 904923 / 904910 / 904917 / 906915 Eng.OM904-907 LA12V Eng.OM924-926	OM904 OM924 OM926	1996 2000	4249 6374 7201	4 6		IN	9060500226	2776	33.9	8	125.9	PN	20	A						
												IN	9060500326	2736	34.0	8	128.7	PN	20	A
												EX	9060500327	2777	37.9	8	152.5	PN	45	A

MERCEDES INDUSTRIAL																				
Aroc Citaro	OM470	2014	10700	6		IN	4700500626	3271	42.5	9.5	239.9	PN	20	A						
												EX	4700500427	3272	40.0	9.5	246.5	PN	30	A



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.													
MERCEDES INDUSTRIAL																												
Citaro Actros Mp4 Antos Arocs Atego 3 Econic 2	OM933	2014	7700	4 6		IN	9360500026	3273	37.5	8	193.6	PN	20	A														
	9360500126																											
	OM935																											
	OM936																											
	OM934.911					EX	9360500027	3274	33.7	8	199.3	PN	35	A														
	OM934.913																											
	OM934.971																											
MERCEDES INDUSTRIAL																												
Eng.OM-BM 458991 OM457- OM 541	OM457		11946	V6		IN	5410530101	3280	45.5	9	144.8	PN	30	A														
							EX	4570500327								3281	42.2	9	144.9	PN	35	A						
MERCEDES INDUSTRIAL																												
Actros Euro 6	OM471	2011	12800	6		IN	4710500426	3282	45.2	9.5	240.0	PN	20	A														
							EX	4710500527 4710500427								3283	43.5	9.5	246.6	PN	30	A						
MERCEDES INDUSTRIAL																												
OM 472902 OM 473902	OM472902 OM473902	2010		6		IN	4720500126 4730500126	3726	47.2	9.5	240.0	PN	20	A														
							EX	4730500127								3727	45.1	9.5	246.6	PN	30	A						
MERCEDES MODULATING VALVE																												
OM 442 OM 443 OM 444	OM442 OM443 OM444			V8 V10 V12		IN	4420160191	8001	17.0	8	84.0	PN	45	A														
							EX	4420160391								8002	17.0	8	90.3	BT	45	A						
MERCEDES MODULATING VALVE																												
OM 501 OM 502	OM501 OM502			V6 V8		IN	5410160791	8003	16.9	8	86.8	PN	45	A														
							EX	5410160791								8003	16.9	8	86.8	PN	45	A						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
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MERCEDES MODULATING VALVE

OM 926 OM 906 OM 924	OM926 OM906 OM924			6		IN	9060160791	8004	15.2	6	81.6	PN	20	A				
							EX 9060160791	8004	15.2	6	81.6	PN	20	A				
																		



MINI

Cooper S 1.6 16V Roadster Cooper S	N14B16A	2007	1598	4		IN	11347587470 11347534508	2250	28.8	5	105.7	CV	45	K			
							EX 11347547187	2251	26.0	5	110.3	CV	45	K			
																	



MINI

One 1.4 i 16V Clubman 1.6 i 16V Cooper 1.4 i 16V Cooper 1.6 i 16V Countryman	N12B14A N12B16A N16B16A N18B16A	2007 2009	1397 1598	4		IN	11347585901	2255	29.7	5	95.1	CV	45	K			
							IN 11347533884	3404	30.0	5	97.0	CV	45	K			
																	



MINI








ONE 1.4 - 1.6 i 16V COOPER 1.4 i - 1.6 i 16V Eng.W10B14A-W10B16	W10B14A W10B16	2000 2002	1398 1598	4		IN	11341485585 11347513023	3407	30.3	6	109.0	CV	45	K		
							EX 11347829943 11347513024	3408	23.3	6	117.8	PN	45	A		
																


MINI DIESEL


Mini One Diesel	R55 R56	2006	1560	4		IN	11347805968	0898	25.6	5.5	96.4	CV	45	K		
							EX 11347805969	0899	23.4	5.5	96.6	PN	45	K		
								G52836	9.55	5.51	34				Gh	
								G52836	9.55	5.51	34				Gh	


MINI DIESEL


One 1.6 D 16V Cooper 1.6 D 16V Eng.9HZ Peugeot	9HZ	2009	1560	4		IN	0948G1	2272	25.6	5.5	96.0	CV	45	K		
							EX 0949F7	2273	23.5	5.5	96.2	PN	45	K		
																


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MINI DIESEL															
Mini One Diesel	1NDTV	2003	1364	4		IN	11347791054	3415	30.6	6	100.0	CV	45	A	
						EX	11347791055	3416	28.0	6	100.0	CV	45	A	
						IN		G5S2701	11.09	6.01	40.6				MS
						EX		G5S2701	11.09	6.01	40.6				MS
MINI DIESEL															
Mini One Diesel 1.6 16V	N47C16A	2011	1598	4		IN	11347812618	9400	24.8	5	94.0	PN	45	K	
						EX	11347812616	9401	21.2	5	94.0	PN	45	K	
MINI DIESEL															
Lancer / Jupiter 1.2 Eng. G36 Galant / Lancer / Celeste / Delica / Fork 1.4 Eng. 4G33 Arrow / Celeste / Challenger / Champ / Chariot / Cordia / Delica / Fork / Galant / Lancer / Mirage / Sapporo / Tredia 1.6 Eng. G32 / 4 Galant 1.7 Eng. G35 (54-74)kW	G32 G33 G35 G36	1975 1977 1978	1238 1439 1597 1686	4		IN	MD000480	1422	38.0	8	106.0	PN	45	B	
						EX	MD000481 MD000481	1423	31.0	8	102.5	PN	45	B	
MINI DIESEL															
Lancer / Fiore / Colt Mirage 1.2 Eng. G11 Celeste / Lancer / Colt Fiore / Mirage / Tredia / Champ Challenger 1.4 Eng. G12 Lancer / Fiore / Colt Mirage 1.3 - 1.5 Eng. G13 Eng. G15 (53/56/60/64 KW)		1977 1978 1983	1244 1299 1410 1468	4		IN	MD016460	1428	34.0	6.6	102.1	CV	45	A	
						EX	MD003788 MD016461	1429	30.0	6.6	100.9	CV	45	A	
MINI DIESEL															
Lancer 2000 - Turbo Eng. G62 Eterna / Galant / Starion 2000 - T L 200 L 300 Eng. G63 / 4G63 (66/100/104 KW)	G62 G63	1981 1982 1990	1795 1997	4		IN	MD070691	1432	43.0	8	109.8	PN	45	A	
						EX	MD070694 MD070693	1433	35.0	8	108.7	PN	45	A	


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	∩	M.	
MITSUBISHI																
Mirage / Colt Eng. 4G61	4G61	1988	1595	4		IN	2221133000	1442	34.0	6.5	109.5	CV	45	A		
Mirage Turbo	4G63	1989	1800	MD127840												
Edipse 1.8		1990	1997	MD127847												
Laser / Talon 2.0 A		1991														
Laser Turbo / 2WD / 4WD		1992														
Tolon Turbo / 2WD / 4WD		1993			EX	MD127841	MD127848 2221233000 MD184078	1443	30.5	6.5	109.7	CV	45	A		
Vista 4WD																
Edipse 2.0 16V																
Galant 4WD																
Edipse Turbo 2WD / 4WD																
Galant Eng. 4G63																
(80/118 KW)						IN	MD020551	G52168	13.11	8.01	47				Gh	
Outlander 2.0 16V						EX	MD020561	G52169	13.11	8.01	52				Gh	















MITSUBISHI																
3000 GT			2972	6		IN	MD135479	2518	34.9	6.5	106.3	CV	45	A		
Pajero 3.5 V6			3497	MD172315												
				MD135481												
						EX	MD135480	MD168241 MD183730 MD135482	2519	30.5	6.5	105.5	CV	45	A	












MITSUBISHI																
Colt 1.1 12V	3A91	2004	1124	3		IN	MR984260	3261	30.4	5	89.5	CV	45	A		
Colt 1.3 16V	4A90		1332	4												
Colt 1.5 16V	4A91		1499													
Eng.3A91-4A90-4A91																
						EX	MR984261	3262	25.4	5	90.9	CV	45	A		









MITSUBISHI																
Space Star 1.8	4G94	1999	1834	4		IN	MD162780	3552	33.0	6	104.3	CV	45	A		
Carisma 1.8																
Pajero Pinin 2.0 16V																
Eng.4G94																
						EX	MD162800	3553	28.2	6	103.8	CV	45	A		







MITSUBISHI																
Zolite Dohc			2000	4		IN	MD4667807	3554	34.8	6	111.8	CV	45	A		
Misubishi Eclipse				MD4667969												
						EX	MD4667810	3555	30.5	6	109.9	CV	45	A		
					MD4557972											









MITSUBISHI																
Space Runner 2.4 16V				4		IN	MD348769	3556	34.0	6.5	105.6	CV	45	A		
						EX	MD348770	3563	30.5	6.5	105.8	CV	45	A		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
mitsubishi																			
Outlander 2.4 16V Lancer 2.4 Galant 2.4 Eclipse 2.4	4G69	2004	2378	4		IN	MR994497	3559	34.0	6	111.5	CV	45	A					
							EX	MR994498	3560	30.5	6	113.6	CV	45	A				
																			
mitsubishi																			
Space Wagon 2.0 Space Gear 2.0 Galant 2.0 2WD Expo 2.4 2WD / 4WD Vista 2.4 4WD Sonata 2.4 Space Gear 2.4 Space Runner 1.8 / 2.0 16V N 33W N 34W N 43W Space Wagon 2.0 16V Eng.4G63-6G4K-4G64	4G63 G64K 4G64	1989 1991 1992 1993 1999	2000 2400	4		IN	MD301193	4200	33.0	6	112.5	CV	45	A					
								MD159502											
							EX	MD197097	4201	29.0	6	114.0	CV	45	A				
								MD199193 MD306183 MD303177											
						IN		G52789	11.11	6	45.5				Gh				
						EX		G52850	11.11	6	50.5				Gh				
mitsubishi																			
Lancer 1.8 16V Lancer 2.0 16V Outlander 2.0 Outlander 2.4	4B10 4B11	2011	1800 2000 2400	4		IN	MN187696	4224	35.0	5.5	113.2	CV	45	A					
								1010A243											
							EX	MN183950	4225	29.0	5.5	105.8	CV	45	A				
																			
mitsubishi																			
Space Star 1.3 16V	4G13	1998	1299	4		IN	MD342090	5211	27.0	5.5	111.6	CV	45	A					
							EX	MD342091	5212	23.4	5.5	114.8	CV	45	A				
																			
mitsubishi																			
Colt / Lancer GLS Mirage Eng. 4G13 / 15 (55/68 KW)	4G13 4G15	1989 1991	1299 1468	4		IN	MD128435	5216	30.9	6.6	100.9	CV	45	A					
							EX	MD139755	5214	33.0	6.5	101.0	CV	45	A				
								MD149314											
								G52166	12.04	6.6	44			Gh					
								G52167	12.04	6.6	49.5			Gh					
mitsubishi																			
Space Star 1.6 16V Lancer 1.6 16V	4G18	2004	1594	4		IN	MD339752	5217	29.0	5.5	115.5	CV	45	A					
							EX	MD339754	5218	25.4	5.5	114.7	CV	45	A				
																			













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.					
MITSUBISHI																				
Colt / Mirage / Lancer Eng. G32B Chrysler 2.6 Mitsubishi Eng. (60 KW)	G32B	1985 1988	1598	4		IN	MD075925	6118	38.0	8	103.5	CV	45	A						
							EX	MD075927	6119	31.0	8	100.0	PN	45	A					
MITSUBISHI																				
Mitsubishi Eng.6G72 3000 V6	6G72			6		IN	MD088811 2221135004	6120	43.0	8	103.2	CV	45	A						
							EX	MD088812 MD096219	6121	35.0	8	102.8	CV	45	A					
						IN	MD000461	G52143	13.12	8	44				Gh					
					EX	MD000471	G52144	13.12	8	48					Gh					
MITSUBISHI																				
Mitsubishi Eng.4G64	4G64					IN	MD085253	6123	46.0	8	106.9	CV	45	A						
							EX	MD085254	6124	38.0	8	105.2	CV	45	A					
						IN	MD020551	G52168	13.11	8.01	47				Gh					
					EX	MD020561	G52169	13.11	8.01	52					Gh					
MITSUBISHI																				
Chrysler 2.6 Mitsubishi Eng.				4		IN	MD024518	6127	46.0	8	110.3	CV	45	B						
							IN	MD083849 MD083848	6125	46.0	8	108.3	CV	45	A					
							EX	MD024519	6128	38.0	8	108.0	CV	45	B					
							EX	MD083851	6126	38.0	8	105.5	CV	45	A					
																				
MITSUBISHI																				
Colt 1.8 Colt 1.6 Vista 4WD Expo 2WD / 4WD Summit Station Wagon 2 WD / 4WD Carisma 1.6 Pinin 1.8 16V Eng.4G93	4G93	1992 1993 1998	1800	4		IN	MD162799 MD162422	6129	30.0	6	110.0	CV	45	A						
							EX	MD162423	6130	27.0	6	113.5	CV	45	A					
						IN	MD300702	G52789	11.11	6	45.5				Gh					
					EX	MD300702	G52789	11.11	6	45.5					Gh					
MITSUBISHI																				
Pajero 3.8 V6	G7HP	2007	3828	V6		IN	MN163799	6131	36.5	6	109.4	CV	45	A						
							EX	MN163286	6132	32.0	6	113.5	CV	45	A					
																				













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
MITSUBISHI DIESEL															
Carisma 1.9 TD	F8QT	1996	1870	4		IN	7701466716	0650	36.2	8	111.7	PN	30	A	
						EX	7701466717	0651	31.6	8	111.3	PN	45	A	
						IN		G52105	13.07	8	39				Br
						EX		G52105	13.07	8	39				Br
MITSUBISHI DIESEL															
Carisma Sedan 1.9 TD Hatchback		1999	1870	4		IN	M889130 M852144	0714	35.0	8	110.3	PN	45	A	
						EX	M889131 M852146	0715	31.5	8	110.5	PN	45	A	
						IN		G52105	13.07	8	39				Br
						EX		G52105	13.07	8	39				Br
MITSUBISHI DIESEL															
Carisma 1.9 Di Space Star 1.9 DI-D Space Star 1.9 DI-D HP	F9Q	2004	1870	4		IN	MW30620685	0726	35.3	7	110.9	PN	45	A	
						EX	MW30620686	0727	32.6	7	110.7	PN	45	A	
						IN		G52585	12.06	7	38.3				Br
						EX		G52585	12.06	7	38.3				Br
MITSUBISHI DIESEL															
Pajero 4x4 / Galant Delica / Ram 50 2.3 Eng. 4D55 (62 KW)	4D55	1980	2346	4		IN	MD050552	1434	40.0	8	136.5	PN	45	L	
						EX	MD050543	1435	34.0	8	136.5	PN	45	L	
						IN	MD050523	G52170	13.11	8	71				Gh
						EX	MD050527	G52171	13.11	8	74				Gh
MITSUBISHI DIESEL															
Pajero / L 3000 / Galant Eng. 4D55 / 4D55T / 4D56 / 4D56T L 200-L300 / Pajero 2.3D - 2.3TD - 2.5D - 2.5 TD Space Gear 2.5 TD Eng. 4D56 Turbo Turbo Diesel Double Cab (62 KW)	4D55 4D56	1984 1988	2345 2347 2476	4		IN	MD083661 MD083657	1440	40.0	8	136.5	PN	45	A	
						EX	MD083662 MD083659	1441	34.0	8	136.5	PN	45	A	
						IN	MD050523	G52170	13.11	8	71				Gh
						EX	MD050527	G52171	13.11	8	74				Gh
MITSUBISHI DIESEL															
Space Gear 2.5 TD Pajero Metal Top 2.5 (73 KW) Eng.4D56T	4D56T	1991	2477	4		IN	MD198404	1599	40.1	8	130.0	PN	45	A	
						EX	MD198406	1600	34.0	8	129.7	PN	45	A	
						IN	MD050523	G52170	13.11	8	71				Gh
						EX	MD050527	G52171	13.11	8	74				Gh
















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
MITSUBISHI DIESEL																
Pajero 2.8 TDi			2835	4		IN	ME200050	1601	41.0	8	108.6	PN	45	A		
							EX	ME200051 ME200051	1602	35.0	8	108.4	PN	45	A	
							IN		G52452	13.08	8	58				Gh
							EX		G52452	13.08	8	58				Gh
MITSUBISHI DIESEL																
Canter						IN	ME013810	2482	44.0	8.9	136.8	PN	45	B		
							EX	ME220217	2483	37.1	8.9	136.9	PN	45	B	
							IN									
							EX									
MITSUBISHI DIESEL																
Grandis 2.0 Di-D Outlander 2.0 DI-D Eng.BSY	BSY	2007	1968	4		IN	MN980080	3120	29.1	6	87.8	PN	45	K		
							EX	MN980081	3121	25.4	6	87.5	PN	45	K	
							IN									
							EX									
MITSUBISHI DIESEL																
Pajero 2.5 Tdi	4D56T	2001	2477	4		IN	2221142860	3229	40.0	8	132.5	PN	45	A		
							EX	21242860	3230	34.0	8	132.4	PN	45	A	
							IN	MD050523	G52170	13.11	8	71				Gh
							EX	MD050527	G52171	13.11	8	74				Gh
MITSUBISHI DIESEL																
Pajero Metal Top 3.2 TDi		2000	3497	6		IN	ME203101	3580	33.0	6.5	115.5	PN	45	A		
							EX	ME203102	3581	30.9	6.5	115.4	PN	45	A	
							IN									
							EX									
MITSUBISHI DIESEL																
L200 2.5 Di-D 16V	4D56U	2005	2477	4		IN	MN176597	3586	31.5	6	107.6	PN	45	A		
							EX	MN176598	3587	27.5	6	108.0	PN	45	A	
							IN									
							EX									













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
mitsubishi diesel																
Colt 1.5 DI-D		2004	1493	3		IN	MN960088	4218	28.5	6	102.3	PN	45	K		
							EX	MN960089	4219	25.4	6	102.3	PN	45	K	
mitsubishi diesel																
Fuso Canter 3C13 Fuso Canter 3C15 Fuso Canter 3S13 Fuso Canter 5S13 Fuso Canter 6C15 Fuso Canter 6C18 Fuso Canter 6S15 Fuso Canter 7C15 Fuso Canter 7C18 Fuso Canter 7C18 Eco Hybrid	4P10T2 4P10T3 4P10T4 4P10T6	2013	2998	4		IN	QQC000162	5640	32.4	6	119.9	PN	30	K		
							EX	QQC000143	5641	32.3	6	119.9	PN	30	K	
mitsubishi diesel																
Space Wagon 2.0 TD Space Wagon 2.4	4D68 4D68T	1999	1998 2351	4		IN	MD173602	6133	36.0	8	114.1	PN	45	A		
							EX	MD180356	6134	31.9	8	113.6	PN	45	A	
MTZ																
80.1221 82.1221	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B		
							EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B	
NISSAN																
Kubistar 1.6 i 16V Eng.K4M Renault	K4M	2003	1598	4		IN	1320100QAA	0448	32.7	5.5	109.3	CV	45	A		
							EX	1320200QAA	0449	28.0	5.5	107.7	PN	45	A	
NISSAN																
Kubistar 1.2 Eng.D7F	D7F	2005	1149	4		IN	1320100QAH	0806	33.0	6	106.8	PN	30	A		
							EX	1320200QAG	0807	29.8	6	106.8	PN	45	A	















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.		
NISSAN																	
Primastar V27-V29 Primastar 2.0 16V Eng.F4R.L7	F4R	2004 2006	1870 1995	4		IN	1320100QAE	1006	33.4	5.5	110.1	CV	45	A			
							EX	1320200QAE	1007	28.9	5.5	108.9	PN	45	A		
NISSAN																	
Cherry / Homy Gazelle / Laurel / Leopard / Silvia / Skyline / Sunny 2.0 Eng. Z20 720 Eng. Z22 Terrano 4x4 720 Eng. Z24 / Z24i (64/76/78/79 KW) Pathfinder 4x4 (USA) Urvan	Z20 Z22 Z24	1979 1981 1986 1989	1952 2200 2400	4		IN	13201N8501	1206	42.0	8	124.4	CV	45	B			
							EX	13202N8500	1208	38.0	8	125.4	CV	45	B		
								IN	13212-W0510	G52352	12.23	8.01	67.5				Gh
							EX	13213-W0510	G52357	12.23	8.01	67.5				Gh	
NISSAN																	
Bluebird 1800T Gazelle / Silvia Eng. CA 18T	CA18T	1983	1809	4		IN	1320117F00	1209	41.0	7	105.7	CV	45	L			
							EX	1320222F00	1210	35.0	7	107.0	CV	45	L		
NISSAN																	
Pulsar / Sentra Eng. E16 (62 KW)		1983	1600	4		IN	1320169A00 1320131M00	1211	37.0	7	116.7	CV	45	B			
							EX	1320231M00 1320269A00	1212	30.0	7	116.1	CV	45	B		
NISSAN																	
Bluebird / Laurel / Silvia / Skyline 1.8 Eng. L18 Datsun / Pick-up 2.0 Eng. L20B Cedric / Fairlady 260Z / Gloria / Laurel 2.6 Eng. L26 (78/81/103 KW)	L18 L20 L26	1970 1972 1974	1770 1952 2565	4 6		IN	1320178500 13201A1100	1213	42.0	8	116.5	CV	45	B			
							EX	1320278501 13202N0401 13202S0500	1207	35.0	8	117.5	CV	45	B		
								IN	13212-21010	G51323	12.03	8.01	59				Gh
							EX	13213-21010	G51324	12.03	8.01	59				Gh	
NISSAN																	
Almera 1.8 Almera Tino 1.8 Primera 1.8 16V Eng.QG18DE	QG18DE	2001	1769	4		IN	132012F000	1224	30.0	5.5	92.3	CV	45	A			
							EX	132029F610 132029F600 132020M200 1320295F0B	1221	25.0	5.5	92.6	CV	45	A		
								IN	13212-53Y60	G52514	9.51	5.5	40				Gh
EX	13213-53Y60	G52512	9.51	5.5	40				Gh								













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.							
NISSAN																						
Almera 1.4 Almera 1.6 16V Primera 1.6 16V (96 KW) Serena 1.6 16V Sunny 1.4 Sunny 1.6 i 16V Primera 1.6 SD 16V (55/66 KW) Vanette 1.6 i 16V Eng.GA16DE	GA16DE	1998 2001	1392 1597	4		IN	1320153Y00	1224	30.0	5.5	92.3	CV	45	A								
							132014M500															
							132014M700															
							132012F000															
							1320171J00															
							1320157Y00															
													EX	132022F000	1225	24.0	5.5	92.6	CV	45	A	
													1320271J00									
													1320253Y00									
						1320253Y60																
						1320257Y00																
							IN 13212-53Y60	G52514	9.51	5.5	40				Gh							
							EX 13213-53Y60	G52512	9.51	5.5	40				Gh							
NISSAN																						
Almera 2.0 i 16V Serena 2.0 i 16V Sunny / Primera 1.8-2.0 16V Eng. SR 20Di / SR 20 DE (85/156 KW)	SR20DE SR20DI	1990	1998	4		IN	132011E710	1226	34.0	6	101.5	PN	45	A								
							132011E700															
							1320153J00															
							1320153J00															
							1320170J00															
													EX	1320264Y00	1227	30.0	6	102.5	PN	45	A	
													1320264Y02									
													1320289J00									
													1320270J10									
							IN	G52577	10.03	6.01	43				Gh							
							EX	G52517	10.03	6.01	43				Gh							
NISSAN																						
Sunny / Primera 2.0 16V Eng. SR 20 DE (110/204 KW) 200 Sx	SR20DI	1990	1998	4		IN	132011E700	1226	34.0	6	101.5	PN	45	A								
							132011E710															
							1320153J00															
							1320189J00															
							1320189J00															
													EX	1320270J00	1229	30.1	7	102.5	PN	45	A	
													1320253J02									
														IN	G52577	10.03	6.01	43				Gh
							EX	G52580	11.03	6.01	43				Gh							
NISSAN																						
Maxima Eng. G 30 DE		1992	4			IN	1320197E00	1230	35.0	6	110.5	PN	45	A								
													EX	1320297E00	1231	30.6	6	102.6	PN	45	A	
																						
NISSAN																						
Kubistar 1.2 16V Eng.D4F712 Renault	D4F	2003	1149	4		IN	1320100QAJ	1704	26.0	5.5	110.7	PN	45	K								
													EX	1320200QAK	1705	22.0	5.5	112.5	PN	45	K	
																						








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.
NISSAN															
Gazelle / Silvia / Skyline 2000 Eng. FJ 20		1981	1990	4		IN	13201R2001	2823	34.5	7	125.3	CV	45	B	
							EX 13202R2000	2824	30.0	7	125.2	CV	45	B	
															
NISSAN															
Bluebird / Stanza Eng. CA 16 auster / Bluebird / Laurel / Skyline / Stanza / Violet 1800 Eng. CA 18 / CA 16 Bluebird / Cedric / Gloria 2.0 Eng. CA 20 - NA 80 - NB 8 - L 14 - 20 Praire / Bluebird SD Eng. CA 20 (60/71/74/81 KW)		1981 1983 1986 1989/92	1598 1809 1973 1974	4		IN	13201D0200	2829	40.0	7	106.7	CV	45	L	
							EX 13202D1200 13202D0100	2828	35.0	7	108.0	CV	45	L	
							IN	G52177	11.03	7	45				Gh
							EX	G52178	11.03	7	45				Gh
															
NISSAN															
Bluebird / Austar Skyline / Libertà Laurel / Stanza Violet / Atlas / Fire / Bluebird Eng. Z16 - 18 - 20	Z16 Z18 Z20	1977	1595 1600 1800 2000	4		IN	13201W0401 13201Y8780	2841	42.0	8	126.5	CV	45	B	
							EX 13202W0401 13202W8780	2843	38.0	8	127.5	CV	45	B	
															
NISSAN															
Cherry / Datsun / Pulsar / Sunny 1500 Eng. A1	A15	1983	1487	4		IN	13201H9500	2844	35.0	8	99.8	CV	45	B	
							EX 13202H9500	2845	30.0	8	99.8	CV	45	B	
															
NISSAN															
March Micra Eng. M10 March Micra Eng. M12 (37/42/44 KW)	M10 M12	1986 1991	988 1235	4		IN	1320150K00 1320101B00 1320110B00	2864	35.1	7	109.7	CV	45	B	
							EX 1320201B00 1320210B00	2865	30.1	7	109.7	CV	45	B	
							EX 1320250K02	2899	30.1	7	109.2	CV	45	B	
															
NISSAN															
Almera Tino 2.0 Primera 2.0 X-Trail 2.0 16 V Teana 2.0 16V EngQR20DE-SR20DE	QR20DE SR20- DEP11	2001	1998	4		IN	132012J201 132012J202 132012F200	2866	34.1	6	98.4	CV	45	A	
							EX 132022J201 132022F210	2867	30.0	6	99.3	CV	45	A	
															

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
NISSAN															
Micra 1.1 16V Micra 1.3 16V Eng. CG 10 / CG 13 /CG10DE Micra 1.5 Micra 1.4 (46/58/60 KW)	GC10 GC13	1992 2000	998 1275	4		IN	1320199B10	2868	27.5	5.5	95.8	CV	45	A	
							1320199B00								
		EX	1320299B10	2869	22.5	5.5	95.8	CV	45	A					
			1320299B00												
NISSAN															
Cedric V30 / Fairlady 300 Z / Gloria V30 / Pathfinder 4x4 (USA) Terrano 4x4 Eng. VG 30 Eng. VG 30T (113 KW)	VG30 VG30T	1983 1986 1993	2960	6		IN	13201V5202	2870	42.0	7	125.5	CV	45	L	
							132010B000								
		EX	132020B000	2871	35.0	8	124.5	CV	45	L					
			13202V6510 1320207P00												
	IN EX	13212-V5010	G52353	11.23	7	58.6								Gh	
		13213-V5010													G52354
NISSAN															
Almera 1.5 (66 KW) Eng.QG15DE	QG15DE	2000	1497	4		IN	13201BM500	2898	29.1	5.5	92.3	CV	45	A	
							1320253Y60								
		IN EX	13212-53Y60	G52514	9.51	5.5	40					Gh			
			13213-53Y60										G52512	9.51	5.5
NISSAN															
X-Trail 2.0 16V X-Trail 2.5 16V Eng.QR20DE Eng.QR25DE	QR20DE QR25DE	2003	1998 2488	4		IN	132018H300	3600	35.6	6	97.2	PN	45	A	
							132026N200								
		IN EX	13212-8P360	G5S2710	10.03	6.01	41.8				MS				
			13213-6N260									G5S2712	10.03	6.01	44
NISSAN															
Micra 1.0 16V Micra 1.2 16V Micra 1.4 16V MICRA C+C 1.4 16V NOTE 1.4 16V Eng.CR10DE Eng.CR14DE Eng.GC12DE	CR10DE CR14DE	2003 2010	998 1240 1386	4		IN	132011F700	3602	27.4	5.5	97.8	CV	45	A	
							13201BC000								
		EX	132021F700	3603	22.5	5.5	97.9	CV	45	A					
			13202BC000												
NISSAN															
Altina Frontier Xterra KA 24 DE			2389			IN	132019E000	3604	36.6	7	101.1	PN	45	A	
							13201VJ260								
		EX	132029E000	3605	31.3	7	98.8	PN	45	A					
			13202VJ26A												

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
NISSAN																	
Almera 1.5 16V	QG15DE	2004	1497	4		IN	13201BM505	3606	29.0	5.5	94.4	CV	45	A			
							EX	13202BM500	3607	24.0	5.5	94.7	CV	45	A		
						IN	13212-53Y60	G52514	9.51	5.5	40				Gh		
						EX	13213-53Y60	G52512	9.51	5.5	40				Gh		
NISSAN																	
Almera 1.8 16V Primera 1.8 16V	QG18DE	2004	1769	4		IN	13201AU300	3608	30.0	5.5	94.3	CV	45	A			
							EX	13202AU300	3609	25.0	5.5	94.7	CV	45	A		
						IN	13212-53Y60	G52514	9.51	5.5	40				Gh		
						EX	13213-53Y60	G52512	9.51	5.5	40				Gh		
NISSAN																	
Patrol 4X4 Eng.TB48E		2002		6		IN	13201VC200	3610	38.5	7	100.2	PN	45	A			
							EX	13202VC200	3611	33.3	7	98.3	PN	45	A		
																	
NISSAN																	
Micra C+C 1.6 16V Note 1.6 16V Qashqai 1.6 16V Tilda 1.6 16V Juke 1.6 16V Eng.HR16DE	HR16DE	2006 2010	1596	4		IN	13201ED000 13201ED00A 13201ED00C	3616	31.1	5	101.7	CV	45	A			
							EX	13202ED000 13202ED00A 13202ED00C	3617	25.4	5	102.5	CV	45	A		
																	
NISSAN																	
QASHQAI 2.0 16V X-Trail 2.0 i 16V Sentra 2.0 i 16V Eng.MR20DE	MR20DE	2006	1997	4		IN	13201EN20A	3618	33.9	5.5	106.3	CV	45	A			
							EX	13202EN200	3619	27.7	5.5	105.2	CV	45	A		
																	
NISSAN																	
Altima Eng. KA24DE		1993		4		IN	1320153F02	3620	36.6	7	101.3	PN	45	A			
							EX	1320253F00	3621	31.3	7	98.8	PN	45	A		
																	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
NISSAN																		
Maxima QX 2.0		1999	1995	V6		IN	1320131V60	3622	29.1	6	103.9	CV	45	A				
							EX	1320231V60	3623	24.1	6	101.5	CV	45	A			
																		
NISSAN																		
Maxima QX 3.0		1999	2988	V6		IN	1320138V60	3624	36.1	6	97.6	PN	45	A				
							EX	1320238V60	3625	34.1	6	95.1	PN	45	A			
																		
NISSAN																		
Infinity VG 30 DE J 30 Nissan 300 ZX			3000	6		IN	13201F6511	3626	34.1	6	103.2	CV	45	A				
							EX	1320240P00 13202F6511 1320230P00	3627	29.6	6	103.7	PN	45	A			
																		
NISSAN																		
Pixo 1.0 GPL Eng.LP4-K10B	LP4 K10B	2011	996 1242	3 4		IN	132014A00A	3628	27.5	5.5	87.5	PN	45	A				
							EX	132024A00D	3629	22.9	5.5	87.0	CV	45	A			
																		
NISSAN																		
Pulsar XN Sentra		1992	1600 2000	4		IN	1320184A00	3634	29.0	6	113.6	CV	45	A				
							EX	1320284A00	3635	32.8	7	116.2	CV	45	A			
																		
NISSAN																		
Stanza XE L4 2.4		1984	2400	4		IN	1320140F00	3636	34.1	7	121.3	PN	45	A				
							EX	1320240F01	3637	40.0	8	122.3	CV	45	A			
																		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	∩	M.	
NISSAN																
Altima GXE L4	KA24DE	1997	2400	4		IN	132010Z800	3640	36.7	7	99.4	CV	45	A		
							EX	132020Z800	3641	31.4	7	96.8	CV	45	A	
									G5S2763	11.03	7.01	52.6			MS	
									G5S2765	12.03	8.01	56			MS	
NISSAN DIESEL																
Primera 1.9 Dci Primastar V27-V29 Dci 100 Interstar V28 Dci Primastar 2.0 Dci Eng.F9Q Renault	F9Q	2003 2005 2007	1870 1995	4		IN	13201AW300 1320100QAM	0726	35.3	7	110.9	PN	45	A		
							EX	1320200QAN 13202AW300	0727	32.6	7	110.7	PN	45	A	
							EX	1320100QAC	0726	35.3	7	110.9	PN	45	A	
									G5S2585	12.06	7	38.3			Br	
	G5S2585	12.06	7	38.3				Br								
NISSAN DIESEL																
Kunbistar 1.5 Dci Micra 1.5 d Almera 1.5 Dci NOTE 1.5 Dci QASHQAI 1.5 Dci Juke 1.5 Dci Cube 1.5 Dci Eng.K9K-Renault	K9K	2003 2006 2010	1461	4		IN	13201BN700 1320100QAN 1320100QOG 1320100QAK 132011980R	1702	33.4	6	101.0	PN	45	K		
							EX	13202BN700 1320200QAP	1703	28.9	6	100.8	PN	45	K	
																
NISSAN DIESEL																
Primastar V27- V29 Dci 135 Interstar V28- V33- V35 2.5 DCi Primastar 2.5 DCi Eng.G9U.A7 Eng.G9T.F7	G9U G9T	2004 2007	2463	4		IN	1320100QAD	1708	30.6	6	123.2	PN	45	K		
							EX	1320200QAD	1709	29.5	6	123.0	CV	45	K	
																
NISSAN DIESEL																
Patrol GR 3.0 Di Interstar V35 3.0 Dci	ZD30TI	2001 2004	2953	4		IN	132012W200 1320100QAL 132012W20A	1718	32.0	7	113.5	CV	45	A		
							EX	1320200QAM 132022W200 132022W20A 1320200QAH	1719	30.0	7	113.4	CV	45	A	
																
NISSAN DIESEL																
Atlas / 720 / Homy 2.3 Truck E 23 / F 22 Eng. SD 23 Atlas / F 22 / H 40 Eng. SD 25 (54/57 KW)	SD23 SD25	1983	2289 2488	4		IN	13201L2000	2874	40.0	8	117.0	PN	45	A		
							EX	13202L2000	2875	34.0	8	117.0	PN	45	A	
									G52179	12.03	8	52			Gh	
									G52179	12.03	8	52			Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
NISSAN DIESEL																
Patrol Eng. RD 28 T - Turbo 85 Kw	RD28	1988 1989	2826	6		IN	1320122J01	2882	39.0	7	102.8	PN	45	B		
							1320122J00									
							1320122301									
							EX	13202V7203	2883	32.0	7	102.6	PN	45		B
	13202V7202															
NISSAN DIESEL																
Patrol Eng. RD 28 T - Turbo (85 Kw)	RD28	1989	2826	6		IN	132010Y000	2884	39.0	7	101.8	PN	45	B		
							1320122J11									
							1320122J10									
							EX	1320240L01	2885	32.0	7	101.6	PN	45		B
	132024P400															
NISSAN DIESEL																
Pick up 2.7 D 4WD Terrano / Terrano II Eng. TD 27 T - Turbo (73 KW) Trade 100 106 CV 3.0 D Eng.BD30 Cabstar 90-32 92 CV Cabstar 110-35 110 CV Atleon 110-35 110 CV Eng.TD 42T Pathfinder 2.7 TD	TD24 TD27 BD30	1989	2663	4		IN	13201G2403	2890	43.5	8	117.0	PN	45	A		
							1320143G01									
							EX									1320251N00
								13202G2403								
						IN	13212-54T00	G52561	12.03	8	47					Gh
						EX	13212-54T00	G52561	12.03	8	47					Gh
NISSAN DIESEL																
Almera 2.0 TD Primera 2.0 TD	CD20T	1998	1974	4		IN	1320160J04	2892	39.1	7	99.7	PN	45	A		
							1320160J03									
							EX									1320260J02
						IN		G52177	11.03	7	45				Gh	
						EX		G52583	11.03	7	48				Gh	
NISSAN DIESEL																
Serena 2.3 D Vanette 2.3 D 75CV Trade 75 D Cabstar 75 - 28 Eng.LD23	LD23	1998 2001	2283	4		IN	132019C600	2894	41.5	8	118.0	PN	45	A		
							EX									132029C601
						IN	13212-9C641	G52780	12.24	8.01	59.1				Gh	
						EX	13212-9C641	G52780	12.24	8.01	59.1				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
NISSAN DIESEL																
Almera 2.2 Di Almera Tino 2.2 Dci 80 Kw Almera Tino 2.2 Dci 100 Kw Primera 2.2 Dci X-Trail 2.2 TD di Eng.YD22ETI Pathfinder 2.5 Dci Eng.YD25DDTi	YD22ETI	2001	2184	4		IN	13201BN300 13201AD210 13201EB300 13201AD21A 13201EB70A	2896	28.2	6	106.7	PN	45	A		
	YD25DDTi	2003 2006	2488													
							EX	13202BN300 13202AD200 13202EB300 13202AD20A 13202EB70B	2897	26.2	6	106.4	PN	45	A	
						IN	13212-AD260	G52714	10.03	6.01	59.7				Gh	
						EX	13213-AD260	G552716	10.03	6.01	44.2				MS	















NISSAN DIESEL																
Qashqai 1.6 Dci Eng. R9M	RLM	2011	1598	4		IN	1320100QJ 132010370R	2362	23.5	6	104.1	PN	45	K		
	R9M															
							EX	1320200QOL 1320200QOP 132024894R	2363	23.4	6	104.0	PN	45	K	











NISSAN DIESEL																
Micra 1.5 D Eng.VJZ Peugeot Eng.TUD5	VJZ	1998	1527	4		IN	132016F900	3644	37.0	7	108.4	PN	45	A		
	TUD5															
							EX	132026F900	3645	31.6	7	108.3	PN	45	A	








NISSAN DIESEL																
Infinity VH 45 DE	VH45DE	1990 1994	4500	8		IN	1320167U00	3648	38.0	7	102.0	CV	45	A		
							EX	1320267U00	3649	33.0	8	102.4	PN	45	A	













NISSAN DIESEL																
Primastar 2.2 Dci Eng.M9R QASHQAI Eng.M1D Xtrail 2.0 Dci	M1D	2007	2200	4		IN	1320100QOA 132012274R	3652	27.7	6	103.9	PN	45	K		
	M9R															
							EX	1320200QOA	3653	26.1	6	103.8	CV	45	K	









NISSAN DIESEL																
Atleon 70.14 - 75.14 - 75.16 95.16 - 120.16 - 120.21 - 150.21 Eng.B4.40Ti Eng.B6.60Ti L35-L50-L60-L70-L75-L80-L90- L110-M90-M110-M125-M130- M140-M160-T135	B4	2004	3989	6		IN	132019X700	3660	44.9	9.5	123.1	PN	30	K		
	B6		5985													
							EX	132029X700	3661	38.9	9.5	123.4	PN	45	K	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.										
NISSAN DIESEL																									
Forklift Eng.K21 Eng.K25			2100 2500	4		IN	13201FY500	3662	38.2	7	99.3	CV	45	B											
							EX	13202FU400	3663	32.2	7	99.5	CV	45	B										
																									
NISSAN DIESEL																									
Murano 2.5 Dci Eng.YD25	YD25	2011	2488	4		IN	132011ATOA	3664	28.5	6	106.0	PN	45	A											
							EX	132021ATOA	3665	25.9	6	105.5	PN	45	A										
																									
NISSAN DIESEL																									
Nissan T375 Cummins Engine		2006	8300	6		IN	3800340	15415	38.0	8	137.8	PN	30	A											
							EX	3800341	15416	38.0	8	137.9	PN	45	A										
																									
OPEL																									
Astra 1.4 Corsa 1.4 (60 KW) Combo 1.4 i Eng.C14SE	C14SE	1991	1389	4		IN	641015	0556	38.0	7	104.6	CV	45	A											
							EX	641317 90409996	0557	31.0	7	104.6	CV	45	A										
																									
						IN		G51951	11.03	7.02	45.8				Gh										
						EX		G51951	11.03	7.02	45.8				Gh										
OPEL																									
Corsa 1.2 GL / GLS / S / ST Kadett 1.2 D / E Kadett D / L / Berlina Kadett 1.2 / GL / GLS / LS Corsa 1.3 GL / GLS / L / SR Corsa 1.3 S / GT Kadett E / D / L / Berlina Kadett 1.3 GL / GLS / LS Ascona 1.3 L / Berlina Manta CC / L / Berlinetta Corsa B / Swin	C12NZ C14NZ	1985 1988 1989 1996	1195 1389	4		IN	642763	0572	33.0	7	104.6	PN	45	A											
							EX								642890 641302	0573	29.0	7	104.5	PN	45	A			
																									
						IN		G51951	11.03	7.02	45.8				Gh										
						EX		G51951	11.03	7.02	45.8				Gh										
OPEL																									
Vivaro 2.0 16V Eng. F4R720	F4R720	2001	1998	4		IN	4411048	1006	33.4	5.5	110.1	CV	45	A											
							EX								4411049 93160646	1007	28.9	5.5	108.9	PN	45	A			
																									



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
OPEL																	
Omega 3.0i 24V Senator 3.0 24V Lotus Omega 3.6 Turbo (150/277 KW)		1990	2969 3638	6		IN	641008	2060	37.4	7	89.3	PN	45	K			
							EX	641310	2061	30.4	7	96.1	PN	45	K		
																	
OPEL																	
Corsa 1.0 12V Corsa 1.2 12V Corsa 1.2 16V Agila 1.0 12V Agila 1.2 16V Astra 1.6 16V Zafira 1.6 16V Adam 1.4 16V Astra 1.4 16V	Z10XE Z10XEP Z12XEZ A12XEL A14XER	1999 2001 2004 2007 2011 2012	973 1195 1598	3 4		IN	641045	2068	28.0	5	93.8	CV	45	K			
								641051									
								641094									
								9158477									
							EX	641354	2069	25.0	5	93.8	CV	45	K		
								641364									
								641090									
								641095									
	641096																
																	
OPEL																	
Astra 1.6 Corsa 1.6 Kadett S 1.6 Vectra 1.6 C / E (55/75 KW) Eng.16SZR-C16LZ	16SZR C16LZ	1985 1987 1988 1991	1598	4		IN	642679	2146	38.0	7	101.3	CV	45	A			
								90295011									
							EX	642911	2147	31.0	7	101.4	CV	45	A		
								642911									
								90295015									
	642854																
						IN		G51951	11.03	7.02	45.8				Gh		
					EX		G51951	11.03	7.02	45.8					Gh		
OPEL																	
Kadett GSI 16V Vectra 16V / Turbo Astra 2.0 16V Calibra 2.0 4x4 / 16V Turbo (110/115 KW) Corsa 1.4 16V Eng.20XE-C20ET-Z14XEP-A14XEL	20XE C20ET Z14XEP A14XEL	1988 1990 1991	1998	4		IN	642758	2148	33.0	7	104.9	PN	45	K			
								90281714									
							EX	90281715	2149	29.0	7	105.0	PN	45	K		
								642858									
						IN	2108- 1007032/20	G52326	14.06	8.02	38				Gh		
					EX	2108- 1007033/20	G52593	13.03	7	41					Gh		
OPEL																	
Kadett 1.6 S Ascona L / Berlina SR Kadett L / Berlina SR (66 KW) Eng.16S	16S	1981 1985	1598	4		IN	642635	2156	35.0	8	106.1	PN	45	A			
							EX	642789	2157	32.0	8	106.1	PN	45	A		
																	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
OPEL																
Astra 1.8i	E18NVR	1986	1746	4		IN	642667	2164	41.8	7	103.8	CV	45	A		
Manta S	C18NZ	1987	1988													
Omega 1.8 N / S		1988														
Omega 1.8i		1989														
Vectra 1.8		1990					EX	642829 641306	2165	36.5	7	103.6	CV	45	A	
Ascona 2.0i		1991						2246	36.5	7	104.6	PN	45	A		
Astra / Frontera 2.0i																
Calibra 2.0i																
Omega 2.0i						IN		G51951	11.03	7.02	45.8				Gh	
Kadett GSI / Cabriolet						EX		G51951	11.03	7.02	45.8				Gh	
Vectra 2.0																
Chevy Monza 1.8-2.0 (65/66/85/95 KW)																
OPEL																
Corsa B CDX 1.4i 16V	Z14XE	1991	1389	4		IN	55557781	2168	31.0	6	103.1	CV	45	K		
Tigra 1.4 16V	Z16XE	1993	1598					641080								
Tigra 1.6 16V	X14XE	1994						24463777								
Corsa B GS1 1.6i 16V	X16XE	1996						641034								
Vectra B 1.6 16V		1999						641061								
Astra 1.4 i 16V-1.6i 16V (66/74/78 KW)		2006														
Zafira 1.6 16V						EX	641375	2169	27.5	6	102.2	CV	45	K		
Combo 1.4 B 60 CV							55354874									
Meriva 1.6 16V							24463778									
Eng. Z14XE-Z16XE-X14XE							641394									
Corsa 1.4 16V							641340									
Zafira A 1.6 16V																
Astra G 1.6 16V																
UP To 20FD1						IN		G52482	10.03	6	45				Gh	
						EX		G52482	10.03	6	45				Gh	
OPEL																
Astra 1.8 16V	X20XEV	1993	1796	4 6 V6		IN	641022	2170	32.0	6	102.1	PN	45	K		
Astra 2.0 T 16V	Z24XE	1994	1799													
Eng.Z20	X30XE	1995	1998													
Vectra B 1.8 16V	X20SED	1996	2198													
Vectra 2.0i 16V / B 2.0 16V		1999	2405				EX	641325	2171	29.0	6	92.2	PN	45	K	
Omega 2.0i 16V		2001	2498				641331									
Calibra 2.0i 16V		2007	2961				641321									
Frontera 2.2																
Frontera 2.2 16V Eng.Y22/X22																
Vectra 25i 24V / B 2.5 24V																
Calibra 2.5 24V																
Omega 2.5i 24V																
Omega 3.0 24V MV6																
Zafira 1.8 16																
Corsa 1																
OPEL																
Corsa 1.8 16V	E18XE	2001	1364	4		IN	641048	2184	31.2	5	101.3	CV	45	K		
Astra 1.4 16V	X18XE1	2003	1796													
Astra 1.8 16V	Z18XEL	2004														
Vectra 1.8 16V	Y20DTH	2013														
Signum 1.8 16V							EX	641357	2185	27.4	5	100.8	CV	45	K	
Meriva 1.4 16V																
Meriva 1.8 16V																
Mokka 1.4																
Mokka X 1.4																
OPEL																
Signum 2.0T 16V	Z20NET	2003	1998	4		IN	641063	2192	35.1	6	102.2	CV	45	K		
Eng.Z20	Z22SE		2200					641066								
Zafira 2.2 16V																
Eng.Z22SE							EX	641380	2193	30.1	6	100.9	CV	45	K	
								641376								



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	∪	M.									
OPEL																								
Astra 1.6 16V Insigna 1.6 i 16V Zafira 1.6 16V Eng.A16XER-A16LET Eng.Z16XEP Ecotec Twinport	Z16XEP	2004 2006 2008 2010	1598 1796	4		IN	55557862	2350	31.2	5	117.2	CV	45	K										
							642078																	
							642029																	
							55572518																	
	EX	55558728	2351	27.4	5	116.2	CV	45	K															
641401																								
641379																								
641100																								
																								
OPEL																								
Frontera 3.2 V6 Eng.6VD1	6VD1	2001	3465	V6		IN	641049	2621	34.0	6	103.8	CV	45	A										
							EX									641360	2622	28.9	6	103.4	CV	45	A	
																								
OPEL																								
Zafira B 16V Astra 1.6 i Turbo 16V Insigna 1.8i 16V Corsa 1.6 16V Eng.Z16LET-A16XEL Eng.Z18XEP/XER	Z16LER A16XER	2005 2007 2008	1598 1800	4		IN	641076	2660	31.2	5	113.9	CV	45	K										
							EX									641391	2661	27.5	5	113.2	CV	45	K	
																641392								
						IN	24405805	G5S2814	10.03	5	37			MS										
						EX	24405805	G5S2814	10.03	5	37			MS										
OPEL																								
Zafira 1.6 16V Eng.Z16XNT-A16XNT	Z16XNT A16XNT	2009	1598	4		IN	55567302	3077	31.2	5	99.9	PN	45	K										
							641460																	
							EX									55567301	3078	27.0	5	99.1	PN	30	K	
																641459								
						IN		G52482	10.03	6	45			Gh										
						EX		G52482	10.03	6	45			Gh										
OPEL																								
Agila B 1.0 Agila B 1.2 Eng.K10B-K12B	K10B K12B	2011	996 1242	3 4		IN	93193754	3628	27.5	5.5	87.5	PN	45	A										
							4708925																	
							EX									93193762	3629	22.9	5.5	87.0	CV	45	A	
																4708933								
																								
OPEL																								
Agila 1.2 16V Eng.K12BWT	K12BWT	2010	1242	4		IN	1291169L00	3852	27.5	5	87.5	CV	45	A										
							EX									1291569L00	3853	22.9	5	87.1	PN	45	A	
																1291569LGO								
																								



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
OPEL DIESEL																		
Eng. ME 1 D25 BMW Omega 2.5 TD (96 KW)		1993	2497	6		IN	641058 641041	0098	35.9	6	103.7	PN	45	K				
						EX	641346 641374	0099	30.9	6	103.6	PN	45	K				
OPEL DIESEL																		
Vivaro 2500-2700-2900 1.9 DTi Movano 2800 1.9 CDTi Eng.F9Q.M7 Renault	F9QM7	2004	1870	4		IN	4402633 4415921	0726	35.3	7	110.9	PN	45	A				
						EX	4402634 4415922	0727	32.6	7	110.7	PN	45	A				
						IN		G52585	12.06	7	38.3				Br			
						EX		G52585	12.06	7	38.3				Br			
OPEL DIESEL																		
Astra 1.9 16V CDTi Vectra 1.9 16V CDTi Signum 1.9 CDTi Zafira 1.9 16V CDTi Eng.Z19DT Fiat	Z19DT	2004	1910	4		IN	641075 641073 641074	1398	27.8	6	114.4	PN	45	K				
						EX	641403 641386 641385	1399	25.8	6	114.4	PN	45	K				
OPEL DIESEL																		
Vivaro 2500-2700-2900 1.9 D 2500-2700-2900 2.5 Dti Movano 2800-3300-3500 2.5 CDTi Eng.G9T.C7 Renault	G9TC7 G9U	2004	1870 2463	4		IN	4506083	1708	30.6	6	123.2	PN	45	K				
						EX	4506084	1709	29.5	6	123.0	CV	45	K				
OPEL DIESEL																		
Movano 3300-3500 3.0 CDTi Eng.ZD3.A2	ZD3A2	2004	2953	4		IN	4415247	1718	32.0	7	113.5	CV	45	A				
						EX	4415246	1719	30.0	7	113.4	CV	45	A				









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
OPEL DIESEL																
Eng. 1.6 D / 1.6 DA	16D	1982	1598	4		IN	642651	2154	36.0	8	123.2	CV	45	A		
Kadett 1.6 D / LS / GL / GLS	16DA	1988	1700													
Ascona 1.6 D / LS / GL / CD	X17DT	1991														
Kadett 1.6 D Caravan / LS / GL / LS	X17DTL 17DR	1993				EX	641353 641345 642818	2155	32.0	8	123.2	CV	45	A		
Eng. 1.7 D / 1.7 DR / 1.7 DTL - Turbo						IN		G52093	12	8	50				Gh	
Vectra 1.7 D						EX		G52093	12	8	50				Gh	
Astra 1.7 D (40/42/50 KW)																
Astra 1.7 TD																
Eng.X17DTL-17DR																











OPEL DIESEL																
Eng. 4 ECI	17DT	1987	1488	4		IN	641007	2172	34.6	7	104.1	PN	45	A		
Corsa Swing D	X15DT	1988	1686					641044 641000								
Chevrolet Spectrum	X17DT															
Eng. 4 ECI Turbo	15D															
Corsa Swing - Kadett TD	4ECI					EX	641300 641322	2173	30.6	7	104.0	PN	45	A		
Eng. 1.7 TD	4EEI															
Astra / Vectra																
Vectra B																
Eng. 4EEI																
Corsa B (37/44/49/60 KW)																
Combo 1.7 D 60CV																
Eng.17DT-X17DT-15D																









OPEL DIESEL																
Corsa 1.7 Di	Y17DT	2001	1686	4		IN	641025	2186	27.4	6	98.5	PN	45	A		
Corsa 1.7 Dti		2003	1910													
Meriva 1.7 16V Dti		2004														
Astra 1.7 16V CDTi						EX	641369	2187	26.5	6	98.1	PN	45	A		
Astra 1.9 16V CDTi (59-74 Kw)																
Eng.Y17DT (48/55 Kw)						IN		G52696	11.05	6	42				Gh	
						EX		G52696	11.05	6	42				Gh	

OPEL DIESEL																
Astra 2.0 Di	Y20DTH	1998	1994	4		IN	642168	2188	29.0	6	97.1	PN	45	K		
Vectra 2.0 DTi	Y22DTR	2001	1995					641068 55353375 642165								
Omega 2.0	X22DTH															
Eng. X 20 DTH / DTL 60 / 74 KW																
Omega 2.2 DTi						EX	642208 642211 641381 12992480	2189	26.0	6	97.1	PN	45	K		
Frontera 2.2 Dti																
Zafira 2.0 16V																
Zafira 2.2 16V DTi																
Astra 2.0 16V DTi																
Astra 2.2 16V DTi																
Signum 2.2 16V DTi																
Signum 2.0 16V DTi						IN		G5S2482	10.03	6.01	45				MS	
Sintra 2.2 Tdi 16V						EX		G5S2482	10.03	6.01	45				MS	
Eng.Y20DTH - Y22DTR																

OPEL DIESEL																
Astra 1.7 CdTi	A17DTC	2010	1686	4		IN	641085	2314	27.5	6	102.5	PN	45	A		
Meriva 1.7 CdTi	Z17DTR							642027								
Zafira 1.7 CdTi																
Eng.A17DTC-Z17DTR						EX	641400 641086	2315	25.4	6	102.3	PN	45	A		
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
OPEL DIESEL																
Antara 2.0 16V CDTi Antara 2.2 16V CDTi Insigna 2.0 CDTi Eng.A20DTC-DTJ-DTH-DTR Eng.Z20DMH	Z20DMH	2007	1991	4		IN	96440147	2316	28.6	6	95.7	PN	45	K		
	A20DTC	2009	1956	EX		4805321										
	A20DTJ	2011	2231			96951454										
	A20DTH					4817354										
OPEL DIESEL																
Antara 2.2 CDTi Eng.A22DM-A22DMH	A22DM	2010	2231	4		IN	4802219	2327	28.5	5.0	101.9	PN	45	A		
	A22DMH			EX		4802220										
OPEL DIESEL																
Signum 3.0 V6 CDTi Vectra 3.0 V6 CDTi Eng.Y30DT	Y30DFT	2003	2958	V6		IN	641067	2352	27.4	6	98.5	PN	45	A		
				EX		641384										
OPEL DIESEL																
Signum 3.0 V6 CDTi Vectra 3.0 V6 CDTi Eng.Z30DT	Z30DT	2005	2958	V6		IN	641084	2360	30.0	6	98.4	PN	45	A		
				EX		641397										
OPEL DIESEL																
Vivaro 1.6 MD	R9M	2014	1600	4		IN	4423068	2362	23.5	6	104.1	PN	45	K		
						95517881										
				EX		4423303										
						95518256										
OPEL DIESEL																
Insigna 2.0 CdTi Astra 2.0 CdTi Zafira 2.0 CdTi Signum 2.0 CdTi Eng.A20NHT	A20NHT	2010	1956	4		IN	641464	2658	27.9	5	114.4	PN	45	K		
						55565261										
				EX		641465										
						641106										

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
OPEL DIESEL																	
Movano 2.8 Tdi Eng.S9W.A7 Sofim	S9WA7	1998	2798	4		IN	7301820	2705	41.0	8	121.0	PN	30	A			
							EX 99432873	2671	36.0	8	122.0	PN	45	A			
																	
OPEL DIESEL																	
Agila 1.3 16V CDTi Corsa 1.3 16V CDTi Astra 1.3 16V CDTi Eng.Z13DT-Z13DTH-D13A	Z13DT Z13DTH D13A	2004 2008	1248	4		IN	641072	2924	21.8	6	109.2	PN	45	K			
							641077										
							4708612										
							93193443										
							642028										
EX 641071	2925	21.8	6	109.2	PN	45	K										
641402																	
4708613																	
93193444																	
	IN		G5S2805	10.03	6.02	43								MS			
	EX		G5S2805	10.03	6.02	43								MS			
OPEL DIESEL																	
Corsa 1.3 CdTi Eng.A13DTC-DTE Eng. Z13DTE-DTR	A13DTC A13DTE Z13DTE Z13DTR	2010	1248	4		IN	641475	2944	22.4	6	109.2	PN	45	K			
							642052										
							EX 641101	2945	22.4	6	109.3	PN	45	K			
																	
OPEL DIESEL																	
Vivaro 2.0 DCI Eng.M9R Movano 2.3 CDTi Eng.M9T	M9R M9T	2006 2011	1995 2299	4		IN	4431242	3652	27.7	6	103.9	PN	45	K			
							4420439										
							93168105										
							EX 4431241	3653	26.1	6	103.8	CV	45	K			
93161681																	
7701476595																	
																	
OPEL DIESEL																	
Frontera 2.8 TD		1993	2771	4		IN	641042	3910	40.1	8	118.1	PN	45	A			
							EX 641352	5101	35.7	8	118.0	PN	45	A			
																	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
PAZ																		
3205	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B				
						EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8	PN	45	B				
PERKINS																		
Eng. D3.152 Eng. D4.203 (31/41 KW)	D3152 D4203	1959 1970	2491 3330	3 4		IN	31431741 31431281	0589	39.0	7.9	114.3	PN	45	A				
						IN	31431681	0578	39.0	7.9	114.3	PN	55	A				
						EX	31431941 31431271 31431591	0590	33.4	7.9	114.0	PN	45	A				
						EX	31431731	5443	33.5	7.9	118.4	CV	45	A				
						EX	31431761	0579	33.4	7.9	114.3	PN	55	A				
PERKINS																		
Eng. Prima 65 Eng. Prima T - Turbo (40/60 KW)	Prima65 Prima80	1987 1993	1994	4		IN	BDU1399 LGH10036	0591	37.2	7.4	93.8	PN	45	A				
						EX	BDU1400 LGH10037	0592	33.6	7.4	93.8	PN	45	A				
						IN	L343FF01	G51975	12.06	7.46	39				Gh			
						EX	L343FF01	G51975	12.06	7.46	39				Gh			
PERKINS																		
Series 700 Forklift Cat 3034		2004				IN	1457503	2906	42.0	7	106.4	PN	45	K				
						EX	4803849 1457499 3142A101	2907	34.0	7	106.3	PN	45	K				
PERKINS																		
Series 1106C Marine Turbo	NY75380	2012	6600	6		IN	3142H091	4032	35.0	6	108.2	PN	30	K				
						EX	3142A181	4033	33.0	6	107.9	PN	45	K				
PERKINS																		
Series 9010 Tractor	DX NK38856	2012		4		IN	3142H101	4034	46.4	9	129.1	PN	45	K				
						EX	3142A171	4035	41.6	9	128.5	PN	30	K				















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
PERKINS																
Eng. Phaser T6.60 - Turbo Eng. Phaser T4.40 - Turbo Eng. 160 T - Turbo Eng. 180 TI - Turbo (116/130 KW)		1986	5985	4/6		IN	3142L072	5082	45.0	9.5	122.9	PN	30	A		
						IN	3142L051 3142L071	5080	45.0	9.5	122.9	PN	45	A		
						EX	3142A051	0577	37.4	9.5	123.3	PN	45	A		
						IN	33261732	G50934	15.92	9.52	58					Gh
	EX	3343J002	G50935	15.92	9.52	61.2					Gh					






PERKINS																
Eng. 4.212 N / 1 Eng. 4.236 Ebro L 80 Eng. G4.236 Eng. 4.248 Eng. 6.354 Eng. T6.354 - Turbo Eng. T6.354.1 - Turbo Eng. T6.354.2 - Turbo Eng. T6.354.3 - Turbo Eng. 6.354.4 Eng. T6.354.4 - Turbo Eng. 6.672.4 - 6.372 (47/61/87/96/119 KW)	4212	1960	3475	4 6		IN	3142H002	5438	44.2	9.5	122.8	PN	30	A		
	4236	1969	3867			IN	31431315 31431103 31431641 31431311 31431351 31431871	0587	44.2	9.5	122.8	PN	45	A		
	4248	1969	4065			EX	31431701	2905	36.6	9.5	127.1	CV	45	A		
	6354	1970	5800			EX	31431881	0588	36.6	9.5	123.3	PN	45	A		
	6372	1974	6097				31431931 31431851 31431891 31431791 31431109 31431104									
						EX	3142A051	0577	37.4	9.5	123.3	PN	45	A		
						IN	33261732	G50934	15.92	9.52	58					Gh
						EX	3343J002	G50935	15.92	9.52	61.2					Gh















PERKINS															
Series 700 Forklift Cat 3034		2014	2956	4		IN	1888640	5441	44.0	7	106.4	PN	45	K	
						EX	1529857	5442	37.2	7	106.5	PN	45	K	











PERKINS																
Series 1000 Eng. YH Eng. YG Eng. AQ	YH YG AQ	2005	4000 6000	4 6		IN	3142L081 3142L088	6502	43.0	9	123.0	PN	30	A		
							EX	3142D051	6503	41.0	9	123.0	PN	30	A	

PERKINS																
Series 1004 Turbo CC A4 401 CC T4 401	660	2004				IN	3142D041	6506	43.0	9	122.9	PN	45	A		
							EX	3142D031	6507	41.1	9	123.0	PN	45	A	







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
PERKINS															
Series 1004 CC 4 421		2004				IN	3142H041	6513	45.0	9	124.1	PN	45	A	
						EX	3142D061	6514	42.0	9	124.1	PN	45	A	
															
PERKINS															
Series 1104 Series 1106		2007		4 6		IN	3142H071	6515	46.4	9	129.1	PN	30	A	
						EX	3142A151	6516	41.6	9	129.2	PN	30	A	
															
PEUGEOT															
205 Rallye Eng. TU24 (74 KW)	TU24	1991	1294	4		IN	094864	0102	39.3	8	111.8	PN	45	K	
						EX	094965	0103	31.2	8	111.5	PN	45	K	
															
PEUGEOT															
204 304 GL / LE Eng. XK5 304 S / SL3 / GL / GLE / GLS 305 GL / GR Eng. XL5 / S 304 Break Fourgonette 305 S / SR / Break Eng. XR5 (44/48/54/55 KW)	XK5 XL5 XR5	1975 1977	1127 1290 1472	4		IN	094839	0600	39.4	8	116.0	CV	30	A	
						EX	094934 094936 094944	0601	32.5	8	113.2	CV	45	A	
							IN EX	0220-40 0220-40	G51411 G51411	14.05 14.05	8.01 8.01	51 51			
PEUGEOT															
404		1964 1968 1995	1468 1618	4		IN	094834	0610	41.5	8	119.0	CV	30	A	
						EX	094921	0611	35.5	8	112.0	PN	45	A	
							IN EX	0220-25 0220-25	G50942 G50942	14.05 14.05	8.01 8.01	55 55			
PEUGEOT															
405 A / GTI Eng. KF1 / KF2 504 TI / L / GL Eng. KF5 / 6 - XM7 504 TI / GL Eng. XN 1 / 2 J5 1.8 Carb J7 1.6 Carb J7 1.8 Carb J9 2.0 Carb (56/60/65/71/81 KW)	KF1 KF2 KF5 XM7	1962 1968 1969 1972	1618 1976 1971	4		IN	094829 094833	0618	42.6	8	118.6	CV	30	A	
						EX	094921 094927	0611	35.5	8	112.0	PN	45	A	
							IN EX	0220-25 0220-25	G50942 G50942	14.05 14.05	8.01 8.01	55 55			











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.					
PEUGEOT																				
505 J7 / C / CP / CS / CT Eng. XC5P J7 / J9 Eng. XC7P J5 / J7 F / FP / FS / FT 505 L Eng. XM7 / T / P 505 GR / SR - 604 Eng. XN1 / 6 J5 / J9 Eng. XN1T J5 Fourgon / J9 Express 250 / 290 / 310 / 350 Eng. XN1 / XN6 / XN1P / XN1T / XN1TA (40-75)kW	XN1 XN6 XN1P XN1T XN1TA	1965 1970 1971 1979 1981 1989 1990	1618 1796 1971	4		IN	094855	0618	42.6	8	118.6	CV	30	A						
							EX	094955 094956 094969	0619	35.5	8	112.0	CV	45	A					
							IN	0220-25	G50942	14.05	8.01	55							Gh	
							EX	0220-25	G50942	14.05	8.01	55							Gh	
PEUGEOT																				
204 / C / GL / L Eng. XK4 304 Berlina Cabriolet / Coupé Break Eng. XL (44/48 KW)	XL XK4	1969 1975	1130 1288	4		IN	094830	0620	36.9	8	126.4	CV	30	A						
							EX	094928 094923	0621	29.5	8	125.5	CV	45	A					
							IN	0220-28												
EX	0220-28																			
PEUGEOT																				
104 - 104 GL / ZA 205 GL Eng. XV 3 / 5 / 8 (33/34 KW)	XV	1972 1980 1983	954	4		IN	094831 7910030957	0622	34.8	8	113.4	CV	30	A						
							EX	094929 094931 91502890	0623	27.8	8	113.4	CV	45	A					
							IN	0220-51	G51956	13.07	8.01	47.5						Gh		
EX	0220-51	G51956	13.07	8.01	47.5						Gh									
PEUGEOT																				
104 GL6 / GR / SL / ZA / ZR / ZS / ZS2 / GLS 205 GR / XR / GL Eng. XW 3 / 5 - 35 - 7 104 ZS / ZR / SR Eng. XZ5 104 ZS / S / ZS2 Eng. XY6B / XYR 205 GT / GR / SR Eng. XY 7 / 8 (37/41/42/44/49/52/53/69 KW)	XY XZ XW	1972 1979 1980 1980 1983	1124 1219 1361	4		IN	7910010826 7910025377 094838	0624	36.8	8	113.4	CV	30	A						
							EX	094942 7910006855 094933	0625	29.3	8	113.6	CV	45	A					
							IN	0220-51	G51956	13.07	8.01	47.5						Gh		
							EX	220510	G51956	13.07	8.01	47.5						Gh		
PEUGEOT																				
304 Berlina Coupé / Cabriolet		1972 1975	1288	4		IN	094832	0629	38.9	8	126.3	CV	30	A						
							EX	094928	0621	29.5	8	125.5	CV	45	A					











Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
PEUGEOT																		
505 TI / STI Eng. ZEJ 500 GTI / STI / TI 505 STI / GTI Eng. ZDJL (79/85 kw)	ZDJL	1979 1981 1982	1995 2165	4		IN	094836	0635	43.9	8	112.0	PN	30	A				
						EX	094938	0659	38.6	8	111.4	PN	45	A				
							IN		G51961	13.05	8.01	51						Gh
						EX		G51961	13.05	8.01	51							Gh
PEUGEOT																		
504 V6 / TI 604 SL / TI Eng. ZM / ZMJ 504 - 604 GTI Eng. ZNJ (100/106/112 KW)	ZNJ	1974 1977 1984	2664 2849	6		IN	094836	0635	43.9	8	112.0	PN	30	A				
						EX	094930 094932	0637	37.0	8	111.3	PN	45	A				
							IN		G51961	13.05	8.01	51						Gh
						EX	0220-58	G51961	13.05	8.01	51							Gh
PEUGEOT																		
505 V6 Eng. ZN3J / K 605 SV 3.0 / SR 3.0 Eng. ZNJ (125 KW)	ZNJ ZN3J	1987 1989	2849 2975	6		IN	094860	0658	46.0	8	112.6	CV	45	A				
						EX	094961	1273	39.0	8	111.7	PN	45	A				
							IN	0220-58										
PEUGEOT																		
309 GL 309 GR 205 Eng. E1A / E1B (41 KW)	E1A E1B	1986	1118	4		IN	094851	0696	34.0	8	106.5	CV	45	A				
						EX	138851 094953	0833	29.0	8	107.5	PN	45	A				
																		
PEUGEOT																		
Simca 1.0 Simca 1.1 Simca 1.1 S Simca 1.0 S Rallye Simca 1.1 Special Matra / Simca 1.1 TI Eng. 349 / 350 / 353S / 352 / 366 / 371 (29/35/36/44/55/61 KW)		1970 1972 1973 1975	944 1118 1204 1284 1296	4		IN	3780600 131336 553421	0696	34.0	8	106.5	CV	45	A				
						EX	3781100 131337 554682	0697	28.0	8	107.5	PN	45	A				
																		
PEUGEOT																		
205 GL / XE / Junior Eng. C1A TU9A 106 XR / XN Eng. C1A TU9K 205 GL / GR 106 1.0 (32/33 KW)	C1A TU9A TU9K	1986 1991	954 1124	4		IN	094857	0818	34.7	7	112.8	PN	30	A				
						EX	094958	0819	27.7	7	112.6	PN	45	A				
																		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.						
PEUGEOT																					
205 GTI Eng. XU5J 305 GT / GR / SR Eng. XY5S 309 GT Eng. XU5J 205 Automatica / 305 Automatica 309 GR / SR 405 1.6 GL / GR / SR / GS Eng. XU5 - 1C 305 Export 305 GT / GT Break Eng. XU5 (58/68/77 KW)	XU5 XU5J	1982 1984 1985 1986 1987	1580	4		IN	094847	0828	40.0	8	109.0	PN	45	A							
							EX	094952	0829	33.0	8	108.0	PN	45	A						
							EX	094948	0817	32.0	8	108.7	PN	45	A						
						IN	0220-64	G52298	13.07	8.01	38.7				Br						
						EX	0220-72	G52301	13.07	8.01	45				Br						
PEUGEOT																					
305 GTX Eng. XU9 - S 309 GTI 205 - 305 405 GLI / GR / SR Eng. XU9 - JI 405 GE / DL / GR / SR Eng. XU9 - 2C (75/77/79 KW)	XU9	1984 1985 1987	1905	4		IN	094854	0830	39.5	8	105.2	PN	45	A							
							EX	094954	0831	33.0	8	105.2	PN	45	A						
						IN		G52298	13.07	8.01	38.7				Br						
						EX	0220-72	G52301	13.07	8.01	45				Br						
PEUGEOT																					
309 GL / Profil 1.3 309 GR / SR 1.3 205 Eng. G1A / G1B / G25 309 GT 1.6 Eng. G1 / G2 (47 KW)	G1 G1A	1986	1294 1592	4		IN	094852	0834	36.0	8	107.0	CV	45	A							
								9751651580													
							EX	138851	0833	29.0	8	107.5	PN	45	A						
								094953													
								9751668880													
																					
PEUGEOT																					
505i Turbo Eng. N9TE (123 KW)	N9TE	1984	2156	4		IN	094848	0836	42.9	9	119.0	PN	45	A							
							EX	094949	0837	37.9	9	118.2	PN	45	A						
																					
PEUGEOT																					
306 XT / Cabriolet 405 GRI / GTX / SRI / STI 605 SLi / SVi / SR / SRI 806 SR / ST Eng. XU10 - 2C / XU10 - J2 605 RTi / SVTi Turbo 806 ST / SV Turbo Eng. XUJ2CTE Ulisse Fiat Eng. Peugeot (85/96 KW)	XUJ2CTE	1989 1992 1993 1994	1998	4		IN	094866	0840	42.6	8	108.8	PN	45	K							
							EX	094976	0841	34.5	8	108.4	PN	45	K						
								094966													
								094972													
						IN	0220-85	G52419	13.07	8.01	43.6				Br						
						EX	0221-21	G52422	13.07	8.01	50.6				Br						









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
PEUGEOT																					
605 SV 24V Eng. ZPJ4 (147 KW)	ZPJ4	1989	2975	v6		IN	094867	0842	37.0	7	127.4	PN	45	K							
						EX	094967	0843	32.0	7	125.0	PN	45	A							
						IN		G52565	12.07	7.01	53					Br					
						EX		G52565	12.07	7.01	53					Br					
PEUGEOT																					
106 XR / RT Eng. TU1K - MZ 205 GL / GR Eng. H1ATU1 306 309 GE Eng. TU1 205 CJ / GR / SR / XR Eng. K1ATU3 205 CT / GT / XS / XT Eng. K2ATU3S 104 GLS / ZA / ZR / ZS / ZS2 306 XR / Cabriolet Eng. TU1M / TU3MC 309 GE / GL / GR / SX / XL / XS 307 1.4 306 1.4 2	TU32 HFX	1986 1987 1990 1991 1993 2001 2010	1124 1360	4		IN	094891	0849	36.7	7	112.8	CV	45	A							
						IN	094858	0838	36.7	7	112.8	PN	30	A							
						EX	094959	0839	29.2	7	112.6	PN	45	K							
						IN	0220-59	G52314	13.06	7	47.5					Gh					
						EX	0220-59	G52314	13.06	7	47.5					Gh					
						PEUGEOT															
						106 Rallye Eng. TU 3F - J2K / TU2J2 106 XiS Eng. TU3F - J2K 106 Rallye 106 1.6 XS Aut. 106 XiS 306 XT / Cabriolet (65/70/72 KW) 206 1.6 306 1.6	TU3F	1991 1993 1999 2001	1294 1361 1578	4		IN	094865 094873	0850	39.4	7	111.7	CV	30	K	
												IN	094893	0872	39.4	7	111.7	CV	45	K	
EX	094970	0851	31.3	7	111.5							PN	45	K							
IN	0220-84	G52441	13.07	7	48.5											Br					
EX	0220-84	G52441	13.07	7	48.5											Br					
PEUGEOT																					
306 Rallye 306 2.0 16V 106 1.8 16V Coupé 2.0 16V 406 1.8 16V Eng. XU7JP4 806 2.0i 16V Eng. XU10J4R	XU10J4R	1998 2000	1998	4		IN	094886 (to 7664) 094892 (from 7665)	0854	34.6	6	106.4	PN	45	A							
						EX	094992 0949A6	0855	29.6	6	105.7	PN	45	A							
						IN	0221-19	G52334	12.07	7	40					Br					
						EX	0221-24	G5S2646	12.065	6	40.8					MS					
PEUGEOT																					
607 1.8 16V 407 1.8 16V Eng. EW7J4	EW7J4	2000 2004	1794	4		IN	0948A4	0873	29.8	6	106.0	PN	45	A							
						EX	0949A4	0874	27.3	6	104.0	PN	45	A							
						IN	0221-25	G52644	12.065	6	40.8					Br					
						EX	0221-24	G5S2646	12.065	6	40.8					MS					













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
PEUGEOT															
206 GTI 406 2.0 16V 806 2.0 16V Expert Combi 2.0 16V 307 2.0 16V 206CC 807 2.0 16V Eng. EW10J4	EW10J4	1999 2000	1997	4		IN	094899	0875	33.3	6	106.1	CV	45	A	
						EX	094999	0876	28.9	6	103.6	PN	45	A	
						IN	0221-24	G5S2646	12065	6	40.8				MS
						EX	0221-24	G5S2646	12065	6	40.8				MS
PEUGEOT															
406 2.0 hpl 16v Eng. RLZ EW10D	EW10DRLZ	2001	1998	4		IN	0948A7 0948C6	0877	32.4	6	105.1	CV	45	A	
						EX	0949C2 0949A7	0878	29.2	6	102.7	CV	45	A	
						IN	0221-25	G52644	12065	6	40.8				Br
						EX	0221-24	G5S2646	12065	6	40.8				MS
PEUGEOT															
607 2.2 16V Eng. EW12J4	EW12J4	2000	2230	4		IN	0948A1	0883	35.1	6	106.0	CV	45	A	
						EX	094999	0876	28.9	6	103.6	PN	45	A	
						IN	0221-24	G5S2646	12065	6	40.8				MS
						EX	0221-24	G5S2646	12065	6	40.8				MS
PEUGEOT															
406 2.2 16V 407 2.2 16V 807 2.2 16V Eng. EW12J4	EW12J4	2000 2004	2230	4		IN	0948A1 0948C5	0883	35.1	6	106.0	CV	45	A	
						EX	0949A2	0884	30.9	6	102.9	CV	45	A	
						IN	0221-24	G5S2646	12065	6	40.8				MS
						EX	0221-24	G5S2646	12065	6	40.8				MS
PEUGEOT															
307 2.0 16V Eng. XU10J4RS	XU10J4RS	1997	1998	4		IN	094882	0887	34.1	6	106.4	CV	45	A	
						EX	094987	0888	30.7	6	105.3	CV	45	A	
						IN	0220-96	G52833	12.06	6	40.8				Br
						EX	0220-96	G52833	12.06	6	40.8				Br
PEUGEOT															
306 1.6 16V Ranch 1.6 16V 206 1.6 16V 1007 1.6 16V Eng. TU5J P4	TU5JP4	2000 2001	1587	4		IN	0948A9	0889	31.2	6	103.7	CV	45	A	
						IN									
						EX	0949A8 094989	0859	24.6	6	104.2	CV	45	A	
						IN	0220-95	G52654	11.06	6	40				Br
EX	0220-95	G52654	11.06	6	40				Br						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
PEUGEOT															
106 SL / ST 1.8 16V	XU7	1987	1761	4		IN	094875	0892	34.6	7	106.4	PN	45	K	
Eng. XU7JP4	XU9	1988	1905												
405 MI 16 / 4x4	XU10	1990	1998			IN	094861	2012	34.6	7	106.4	PN	45	K	
309 GTI 16		1992													
Eng. XU9J4		1993				EX	094981	0893	29.6	7	105.8	PN	45	K	
306 ST / SV / 2.0 16V		1995				EX	094977	2013	29.6	7	105.8	PN	45	K	
Eng. XU10J4R							094962								
306 S 1.6 16V / Cabriolet															
405 TI 16V Turbo						IN	0220-73	G52332	12.07	7	40				Br
Eng. XU10J4TE						EX	0221-19	G52334	12.07	7	40				Br
Eng. XU104.4															
406															
Eng. XU10J4TE															
605 SRi / SLi 16V															
Eng. XU10J4R															
(81-144)kW															
PEUGEOT															
307 1.4 16V	ET3J4	2004	1360	4		IN	0948C8	0896	28.3	5.5	100.8	CV	45	K	
Eng. ET3J4															
						EX	0949C4	0897	24.3	5.5	101.1	CV	45	K	
															
PEUGEOT															
406 2.9		1998	2946	V6		IN	094885	1706	33.8	6	108.4	PN	45	A	
406 Coupé 3.0 16V															
						EX	094991	1707	31.5	6	107.8	PN	45	A	
															
PEUGEOT															
404 A / 404 GTI	XU9J2	1962	1618	4		IN	094871	2010	41.6	8	105.2	PN	45	A	
J7 / J9 / 505 C / CP / CS / CT		1980	1796				094862								
504 TI / L / GL		1987	1905												
405 GRI / SRI															
Eng. XU9J2															
(92 kW)															
						IN	0220-64	G52298	13.07	8.01	38.7				Br
						EX	0220-72	G52301	13.07	8.01	45				Br









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
PEUGEOT															
205 Eng. XU5M	XU5M	1985	1580	4		IN	094856	2014	41.6	8	108.8	PN	45	A	
405 GE / GL / GR / SR	XU7	1986	1761												
Eng. XU5 - 2C	XU9	1986	1905												
309 GTi / 205 GTi / CTI	XU10J2U	1987													
Eng. X15 - JA		1992				EX	094957	2015	34.5	8	108.4	PN	45	A	
306 XT / Cabriolet		1993													
Eng. XU7 - JP		1998													
405 GE / GL / GR / SR		2001													
Eng. XU7 - JP															
406 1.8															
205 GTi															
Eng. XU9 - JA															
305 GT															
Eng. XU9 - 2C															
309 GTi															
Eng. XU9 - JA															
405 GE/GL/GR/SR															
Eng. XU9															
306 1.8															
406 1.8															
Expert 1.6 B XU7															
Ranch 1.8															
Boxer 2.0i															
PEUGEOT															
207 1.6 16V	EP6DT-	2006	1587	4		IN	0948E8	2250	28.8	5	105.7	CV	45	K	
308 1.6 16V	150CV														
3008 1.6 16V	EP6DT-														
5008 1.6 16V	180CV														
RCZ 1.6 16V	EP6CDTI					EX	0949E2	2251	26.0	5	110.3	CV	45	K	
Eng. EP6DT 150 CV	EP6CDTM														
Eng. EP6DT 180 CV	EP6CDTMD														
Eng. EP6CDTI-EP6CDTM-EP6C- DTMD															
PEUGEOT															
Boxer 330 2.0	XU10J2	2004	1998	4		IN	0948A6	2252	41.6	8	109.3	PN	45	A	
Eng. XU10J2															
						EX	094957	2015	34.5	8	108.4	PN	45	A	
															
PEUGEOT															
107 1.0	1KR	2006	998	3		IN	0948E2	2253	27.4	5	88.4	CV	45	A	
Eng. Toyota 1KR		2010													
						EX	0949C8	2254	23.6	5	89.2	CV	45	A	
															
PEUGEOT															
208	E93C	2006	1300	4		IN	0948G4	2255	29.7	5	95.1	CV	45	K	
308	EP6CDTX		1587												
RCZ															
Eng. EP6CDTX															
						EX	0949E2	2251	26.0	5	110.3	CV	45	K	
															






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
PEUGEOT																
301 2008 208 308 Eng.EB2-EB2M	EB2 EB2M HMZ	2013	1199	3		IN	9676359080	2268	29.1	5	92.6	PN	45	A		
						EX	9676359180	2269	26.0	5	91.8	PN	45	A		
																
PEUGEOT																
406 3.0 24V 407 3.0 24V 607 3.0 V6 24V 807 3.0 24V Eng.ZN3J / K	ZN3J ZN3K	2000 2001 2004	2946	6		IN	0948A5	2946	35.0	6	108.4	PN	45	A		
						EX	0949A5	2947	30.5	6	106.9	PN	45	A		
																
PEUGEOT																
207 1.4 16V-1.6 16V 208 1.4 16V-1.6 16V 308 1.4 16V-1.6 16V 508 1.6 16V 3008 1.6 16V 5008 1.6 16V Partner 1.6 16V Eng.EP3C-EP6C	EP3C EP6C	2007	1397 1596	4		IN	0948F9	3404	30.0	5	97.0	CV	45	K		
						EX	0949F6	3405	25.1	5	110.8	CV	45	K		
																
PEUGEOT																
4007 2.4 I 4008 2.4 I Eng. DW10 Eng.SFZ-4B12	DW10 4B12 SFZ	2008	1998 2360	4		IN	0948F2	4224	35.0	5.5	113.2	CV	45	A		
						EX	0949E7	4225	29.0	5.5	105.8	CV	45	A		
																
PEUGEOT DIESEL																
404 - 504 D Eng. XD4.88 J7 BD / BDS / BDT / BD8 Eng. XDP4.88 404 8 CV / D / LD / U6D / U7D / U8D / U10D / UXD 504 D 8CV 504 D Berlina - Familiare Eng. XD4.90 J7 - J9 Eng. XDP4.90 505 SRD 604 D / GRD / SRD Tagora DT Eng. XD2S - Turbo (21-59)kW	XD2S	1968 1970 1980	1948 2112 2304	4		IN	094827 094841	0616	40.4	8.5	116.2	PN	45	A		
						EX	094925 094939	0617	33.4	8.5	116.2	PN	45	A		
							IN	0220-16	G50943	14.05	8.51	55				Gh
						EX	0220-16	G50943	14.05	8.51	55					Gh
PEUGEOT DIESEL																
504 GL 505 GRD / SRD Eng. XD2 J7 - J9 Eng.XD2P94 504 D 9CV 505 D Eng. XD2 (49/51 KW)	XD2S	1975 1976 1979 1983	2304	4		IN	094837	0626	40.4	8.5	116.2	PN	30	A		
						EX	094925	0617	33.4	8.5	116.2	PN	45	A		
							IN	0220-16	G50943	14.05	8.51	55				Gh
EX	0220-16	G50943	14.05	8.51	55					Gh						













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.							
PEUGEOT DIESEL																						
106 SRD / GRD Eng. TUD 5 (42 KW)	TUD5	1994	1527	4		IN	9603345480	0814	37.0	7	108.4	PN	45	A								
							094874															
							EX	094980	0815	31.5	7	108.2	PN	45	A							
						IN	0220-91	G52438	13.07	7	40.2				Br							
						EX	0220-91	G52438	13.07	7	40.2				Br							
PEUGEOT DIESEL																						
205 205 XLD / XRD / GLD / GRD / SRD / GTD 305 GLD / SRD Station Wagon GLD 309 XLD / GLD / GRD / SRD 309i Turbodiesel 205i Turbodiesel Eng. XUD7 / T - Turbo 405 D / GLD / GRD / SRD 205 DT J5 305 GLD / SRD 309 GLD / GRD / SRD / XAD / XLD / XRD Eng. XUD9 Ulisse Fiat Engine 206 1.9 D 306 1.9 D Ranch 1.9 D Expert 1.9 D Boxer 270 1.9 D Expert 220 1.9 D	XUD7 XUD9	1986 1988 1990 1991 1992 1993 1994 1995 1999 2001	1769 1905	4		IN	094859	0816	38.5	8	112.5	PN	45	A								
							094863															
							094894															
													EX	094973	0821	33.0	8	112.0	PN	45	A	
														094974								
														094960								
														094947								
														094964								
													IN		G52290	14.06	8.01	52				Br
						EX	0220-55	G52053	14.06	8.01	50				Br							
PEUGEOT DIESEL																						
205 XLD / GLD / XRD / GRD / SRD 305 GLD / SRD 309 GRD 205 Eng. XDU7 305 GLD / SRD 309 GLD / GRD / SRD / XAD / XLD / XRD Horizon EXD / LD Solara D Eng. XDU9 (44/48 KW)	XUD7 XUD9	1980 1982 1983 1985 1986	1769 1905	4		IN	094846	0820	38.0	8	112.5	PN	30	A								
							9751668980															
													EX	094947	0821	33.0	8	112.0	PN	45	A	
														094960								
														094964								
							094973															
							9751669380															
						IN	0220-55	G52053	14.06	8.01	50				Br							
						EX	0220-55	G52053	14.06	8.01	50				Br							
PEUGEOT DIESEL																						
304 LD 305 D / GRD / GLD 305 GLD Break 305 SRD / SRD Break Eng. XID / XIDL (32 KW)	XID	1979 1982	1548	4		IN	094840	0822	36.4	8	110.3	PN	30	A								
													EX	094937	0823	31.0	8	110.0	PN	45	A	
																						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
PEUGEOT DIESEL																				
406 ST 2.1 TD 12V Eng. XUD 11 A - TE - TD 406 2.1 TD / SV 12V Eng. XUD 11 BTE OHC 605 SRDT / SVDT / SLDT Expert 2.1 TD 12V Eng. XUD 11 A - TE - TD 605 SLD / SRD Eng. XUD 11A 806 2.2 Hdi 16V Eng. DW12TED4 (60-80) KW Eng. XUD11BTE	DW12TED4 XUD11BTE	1989 1995	2088 2138	4		IN	094868	0844	33.9	8	122.3	PN	45	K						
							EX	094968	0845	33.9	8	121.9	PN	45	K					
						IN		G52457	13.07	8.01	54.5				Br					
				EX			G52457	13.07	8.01	54.5				Br						
PEUGEOT DIESEL																				
Boxer 310 2.5 TD Eng. DJ5TED	DJ5TED	2001	2500	6		IN	094884	0846	41.0	7	115.6	PN	45	K						
							EX	094990	0847	37.7	7	115.4	PN	45	K					
						IN	0220-93	G52529	13.05	7.01	54				Br					
				EX		0220-93	G52529	13.05	7.01	54				Br						
PEUGEOT DIESEL																				
308 3008 5008 RCZ Eng. DV10CTED4-RHE-RHF-RHH	DV10- CTED4 RHE RHF RHH	2009	2000	4		IN	0948F6	0848	27.3	6	104.5	PN	45	K						
							EX	0949F1 0949A3	0880	24.9	6	105.0	PN	45	K					
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS					
				EX		0220-A2	G5S2750	10065	6.01	41.5				MS						
PEUGEOT DIESEL																				
605 2.5 DT Boxer 310 2.5 D Eng. DJ5	DJ5	1999 2001	2446	4		IN	094872	0852	36.9	7	127.8	PN	45	K						
							EX	9610612480 094979 094993	0853	36.9	7	127.5	PN	45	K					
						IN	0220-93	G52529	13.05	7.01	54				Br					
				EX		0220-93	G52529	13.05	7.01	54				Br						
PEUGEOT DIESEL																				
206 2.0 HDi 90 CV 306 2.0 HDi 90 CV 406 2.0 HDi 90 CV 406 2.0 HDi 110 CV 307 2.0 HDi 90 CV 307 2.0 HDi 110 CV Ranch 2.0 HDi 806 2.0 HDi Expert 220-330 2.0 Hdi Boxer 290 2.0 Hdi Boxer 330-350 2.2 Hdi Eng. DW10TD	DW10TD	1999 2002	1997 2179	4		IN	094895	0856	35.6	6	107.1	PN	45	K						
							EX	094996	0857	33.8	6	107.1	PN	45	K					
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS					
				EX		0220-A2	G5S2750	10065	6.01	41.5				MS						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.				
PEUGEOT DIESEL																			
307 2.0 Hdi 16V 406 2.2 Hdi 16V 407 2.0 Hdi 16V 607 2.0 Hdi 16V 607 2.2 Hdi 16V 807 2.2 Hdi 16V Eng. DV12TED4-DW10BTED4	DV12TED4	2000 2004	2179	4		IN	0948A3	0879	29.8	6	105.0	PN	45	K					
							EX	0949A3 0949F1	0880	24.9	6	105.0	PN	45	K				
								IN EX	0220-A2 0220-A2	G5S2750 G5S2750	10065 10065	6.01 6.01	41.5 41.5						MS MS
PEUGEOT DIESEL																			
307 2.0 Hdi 16V 406 2.0 Hdi 16V 806 2.0 HDi Expert 2.0 HDi DAL '00 807 2.0 Hdi Expert 2.0 Hdi 16V Ranch 2.0 Hdi 16V Eng. DW10ATED4	DW10-ATED4	2000	1997	4		IN	0948C0 0948C0	0881	29.9	6	106.2	PN	45	K					
							EX	0949A9 0949A9	0882	25.0	6	106.2	PN	45	K				
								IN EX	0220-A2 0220-A2	G5S2750 G5S2750	10065 10065	6.01 6.01	41.5 41.5						MS MS
PEUGEOT DIESEL																			
505 GRD / SRD Eng. XD3 505 GTD Turbo 604 GRD 604 GTD Turbo 505 SRD Turbo D Eng. XD3T - Turbo J9 D Eng. XD3P (53/55/67 KW)	XD2S	1982 1983 1984	2498	4		IN	094881 094898	0885	42.5	8.5	116.0	PN	45	K					
							IN	094849 094853	0824	42.5	8.5	116.0	PN	45	A				
							EX	094950 094945	0825	35.5	8.5	116.2	PN	45	A				
							EX	094986	0886	35.5	8.5	116.2	PN	45	K				
	IN EX	0220-16 0220-16	G50943 G50943	14.05 14.05	8.51 8.51	55 55						Gh Gh							
PEUGEOT DIESEL																			
206 1.4 Hdi 207 1.4 HDi 307 1.4 HDi 1007 1.4 HDi Eng. RHY-8HR Eng. DV4TD	DV4TD RHY 8HR	2001 2005 2009	1398	4		IN	0948C2	0894	32.8	5.5	97.3	CV	45	K					
							EX	0949B1	0895	30.3	5.5	97.3	PN	45	K				
PEUGEOT DIESEL																			
206 1.6 16V Hdi 307 1.6 16V Hdi 308 1.6 16V Hdi 3008 1.6 16V Hdi 5008 1.6 16V Hdi 407 1.6 16V Hdi Ranch 1.6 Hdi 16 V Eng. DW6TED4-9HZ	DW6TED4 9HZ	2004	1560	4		IN	0948C7	0898	25.6	5.5	96.4	CV	45	K					
							EX	0949C3	0899	23.4	5.5	96.6	PN	45	K				
								IN EX		G52836 G52836	9.55 9.55	5.51 5.51	34 34					Gh Gh	
PEUGEOT DIESEL																			
Boxer 2.2 Hdi 16V	4HU22-DT4HV	2006	2198	4		IN	0948E6 9675708880	1271	29.7	7	122.2	PN	30	K					
							EX	0949E3 9675709680	1272	25.7	7	122.2	PN	45	K				
								IN EX	XS7Q6510AC XS7Q6510AC	G52944 G52944	12.06 12.06	6.98 6.98	51.5 51.5					Gh Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
PEUGEOT DIESEL																
407 2.2 16V Hdi 4007 2.2 16V Hdi 607 2.2 16V Hdi 807 2.2 16V Hdi Eng. DW12MTED4-4HT Eng. DW12CFAP	DW12- MTED4 DW12CFAP	2006	2179	4		IN	0948E5 9676718180	2258	27.2	6	95.8	PN	45	K		
						EX	0949E1 9676718280 0949G2	2259	25.0	6	95.0	CV	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5					MS
						EX	0220-A2	G5S2750	10065	6.01	41.5					MS
PEUGEOT DIESEL																
407 2.7 V6 24V 607 2.7 V6 24V Eng. DT17TED4		2006	2720	V6		IN	0948E1	2270	27.7	6	97.1	PN	45	K		
						EX	0949C6	2271	25.2	6	96.4	PN	45	K		
PEUGEOT DIESEL																
207 308 3008 5008 Eng. DV6ATED4 Eng. 9HZ	9HZ DV6ATED4	2009	1600	4		IN	0948G1	2272	25.6	5.5	96.0	CV	45	K		
						IN										
						EX	0949F7	2273	23.5	5.5	96.2	PN	45	K		
PEUGEOT DIESEL																
207 1.6 8V Hdi Eng. 9HP-DV4C-DV6C-DV- 6DTED-9HR	9HP 9HR DV4C DV6C DV6DTED	2009	1560	4		IN	0948F7	2274	30.2	5.5	95.5	PN	45	K		
						EX	0949F5	2275	27.5	5.5	95.5	PN	45	K		
PEUGEOT DIESEL																
Boxer 310 2.8 D Sofim		2001	2800	6		IN	094896	2668	43.4	8	121.8	PN	30	A		
						EX	0949A0	2671	36.0	8	122.0	PN	45	A		
PEUGEOT DIESEL																
J5 Eng. U 25 / 651 Eng. 25 / 661 Eng. CR D 93 LS Turbo (55/70 KW)		1982 1983	2482	4		IN	094845	2700	42.2	8	121.4	PN	45	K		
						EX	094946	2701	35.0	9	121.4	PN	45	K		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
PEUGEOT DIESEL																
Boxer 310-330-350 2.8 TD HDi Sofim (94-107 Kw)		2001	2800	6		IN	0948A2	2705	41.0	8	121.0	PN	30	A		
						EX	0949A0	2671	36.0	8	122.0	PN	45	A		
PEUGEOT DIESEL																
Boxer 335 3.0 Eng.F1CE	F1C3	2014	2999	4		IN	0948F1 0948G7	5640	32.4	6	119.9	PN	30	K		
						EX	0949E6 0949G1	5641	32.3	6	119.9	PN	30	K		
						IN		G552811	10.03	6.02	49				MS	
EX		G552811	10.03	6.02	49				MS							
R.V.I.																
Truck T	DT113	2015	13000	6		IN	20712128 21428655	2410	42.0	8	192.0	PN	25	K		
						EX	21428679 21428675	5189	40	8	191.6	PN	40	K		
R.V.I.																
Mascott 110.50 Mascott 110.60 Mascott 130.55 Mascott 130.65 Eng. 8140.43 B / C						IN	7701030863 7701463603	2705	41.0	8	121.0	PN	30	A		
						EX	5001836573	2671	36.0	8	122.0	PN	45	A		
						IN		G51811	13.03	8.02	56			Gh		
						EX		G51811	13.03	8.02	56			Gh		
R.V.I.																
Eng. 8140.21 TurboB 90 (68 kW)	814021	1986	2445	4		IN	7701463603	2705	41.0	8	121.0	PN	30	A		
						EX	7301821	2692	34.5	8	122.0	PN	45	A		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.							
R.V.I.																						
Eng. MIDS 620-30 Turbo Eng. MIDR 620.45 Turbo (158/169/192/206 KW) Premium D 260.18 Premium D 300.18 Premium D 300.26 Premium D 340.18 Premium D 340.26 Premium D 385.18 Premium D 385.26 Premium D 400.18 Premium D 400.26 Kerax 260.18 Kerax 300.18 Kerax 340.18 Kerax 385.18 Kerax 400.33 Kerax 400.40	063540	1978 1983 2002	8820 9839	6		IN	5000681141	5048	54.0	9	163.3	PN	30	A								
							5010295349															
							5000663529															
							5000658408															
							5000663520															
							5000663530															
													EX	5000670730	5054	48.0	9	163.1	PN	45	A	
													5000663527									
													5000663464									
						5000670121																
						5000670206																
						5000663528																
						IN	50 10 359 098	G52659	17.03	9.05	78					Gh						
						EX	157983									G52266	17.03	9.05	78			
R.V.I.																						
Eng. MID 0620.30		1975	8820	6		IN	153694	5053	54.0	9	163.0	PN	45	A								
							153695															
													EX	153693	5054	48.0	9	163.1	PN	45	A	
													5000670206									
													5000670730									
						153692																
																						
R.V.I.																						
Eng. MIDR 635.40 H/2 Turbo (275 KW)		1991	12024	6		IN	5000678873	5186	60.0	12	204.4	PN	30	A								
													EX	5000678652	5187	52.0	12	205.1	PN	30	A	
																						
R.V.I.																						
Midlum 150.08 Midlum 150.09 Midlum 150.12 Midlum 180.08 Midlum 180.09 Midlum 220.08 Premium 210 Premium 220 Premium 250 Premium 270 Eng. MIDR 04.02.26	MIDR04- 0226	2000 2004	4116 6174	4 6		IN	5010450589	5291	46.6	10	140.2	PN	30	A								
							5000676035															
							5010553049															
							5000667762															
													EX	5010553312	5292	40.6	10	140.2	PN	45	A	
													5010450590									
													5000676258									
													5000667939									
																						
R.V.I.																						
Premium 320 Premium 370 Premium 420 Eng.DC111	DC111	2000 2004	4116 6174	4 6		IN	5010359501	5293	42.0	8	185.3	PN	30	A								
													EX	5010412164	5294	38.0	8	185.3	PN	45	A	
																						













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.
R.V.I.													
Magnum E-Tech 400		2000				IN	5010284847	5295	43.0	9.5	179.0	PN 20	B
Magnum E-Tech 440													
Magnum E-Tech 480													
Magnum E-Tech 400T													
Magnum E-Tech 440T						EX	5010284848	5296	39.9	9.5	177.4	PN 30	B
Magnum E-Tech 480T													
						IN	50 10 284 732	G52778	17.48	9.53	80		Gh
						EX	50 10 284 732	G52778	17.48	9.53	80		Gh


R.V.I.													
Premium Kerax	DX11 DTI11	2006 2013	10800 10837	8		IN	7420540013 7420540017	5297	40.0	8	192.0	PN 30	K
C-Serie 380 P						IN							
C-Serie 430 P						IN							
C-Serie 460 P						EX	7420564020 7421430918	5298	38.0	8	192.7	PN 30	K
T-Serie 380 T													
T-Serie 430 T													
T-Serie 460 T													
K-Serie 380 P Medium e Heavy													
K-Serie 430 P Medium e Heavy													


RENAULT													
Dauphine	B1A	1972	782	4		IN	7700565824	0402	28.0	7	73.0	CV 45	A
R4 / L / F4 / TL		1972	845				7701458152						
Eng. B1A		1980				IN	607598100	0638	28.0	7	73.0	PN 45	L
R4 - R6 L							5555751						
R4 / TL / L / F4 (Export)													
R5 L / R6 L						EX	5555263	0639	25.0	7	73.6	PN 45	H
Eng. 839 / 800 B1B							7701458195						
(20/26 KW)							7700555263						
						IN	07 10 938 900	G50393	11.14	7	34		Gh
						EX	07 10 938 900	G50393	11.14	7	34		Gh


RENAULT													
R4 / Fourgonette	C1E	1970	852	4		IN	7701458180	0405	33.5	7	89.6	CV 45	A
FS / FSA / F / TL		1972	950	6			7701458186						
Eng. 813		1974	1108			IN	7700648969	0648	33.5	7	89.5	CV 45	L
R5 TL / C / TC / GTL / GTS		1975	1289				7700509771						
Eng. C1C													
R6 TL / GTL / Rodeo						EX	7700560792	0649	30.3	7	89.0	CV 45	H
R8 S - R10							7701458190						
Eng. C1E							7701460256						
R4 GTL / GTP / T / TL / F4													
Pick-up						IN	07 10 939 000	G50394	11.15	7	41.5		Gh
R5 GTL / GPL / TL / Rodeo						EX	07 10 939 000	G50394	11.15	7	41.5		Gh
R7 GTL													
R9 C / GTC / TC / TCE													
R11 GTC / TC / TCE													
R5 LS / TS													

RENAULT													
R5 TC Superclinq	C1C	1969	956	4		IN	7700561318	0405	33.5	7	89.6	CV 45	A
Eng. C1C	C1E	1970	1108				7701458180						
R5 TL / GTL / GL / L / GPL	810	1975	1237				7701458186						
Rodeo / Express (F40)		1975	1289										
R5 TL / SL / Five		1976											
R4 GTL / GTP / TL / F4		1981				EX	7700638247	0407	29.0	7	89.0	CV 45	H
Pick-up / Rodeo		1983					7700666112						
R6 GTL / TL / Rodeo		1984					7700677772						
R7 GTL		1989					7701460690						
R9 C / GTC / TC / TCE		1990					7701461214						
R11 GTC / TC / TCE		1993					7701461802						
Eng. C1E / C1E							7701463181						
Clio 1.1 RN							6001004967						
R9 / R11 TLE													
R12						IN	07 10 939 000	G50394	11.15	7	41.5		Gh
Twingo						EX	07 10 939 000	G50394	11.15	7	41.5		Gh













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
RENAULT																
R5 / TL / Five / Tiga	C1J	1978	1389	4		IN	7700690577	0412	34.0	7	90.5	CV	45	H		
R19 Chamade / TR	C2J	1980	1397					7701462385								
Eng. C3J	C3J	1981	1721			IN	7700639627	0406	34.0	7	91.2	CV	30	A		
RS Canada		1982						7701460699								
R9 Alliance		1984														
R9 TL / TS		1985				EX	6001004967	0407	29.0	7	89.0	CV	45	H		
R9 GT		1986						7701463181								
R18 TL / GTL / Break/Fuego		1988						7701461802								
R5 GTL / GTS / TL / TS / SL		1989						7701461214								
R9 GTL / TSE								7701460690								
R11 TL / Traffic T							7700677772									
R19 GTR / TR							7700638247									
Express (F40) GTL							7700666112									
R5 Supercinq - Turbo																
R9 -R11 Turbo																
R19						IN	07 10 939 000	G50394	11.15	7	41.5				Gh	
						EX	07 10 939 000	G50394	11.15	7	41.5				Gh	
RENAULT																
R19 16V	F7	1988	1763	4		IN	7701465172	0414	30.7	7	107.5	PN	45	A		
R19 16V Cabriolet	F7P	1990	1764													
Clio 16V																
						EX	7701465173	0415	28.6	7	109.1	PN	45	A		
						IN	77 00 743 529	G52508	12.06	7.01	39.2				Br	
						EX	77 00 743 529	G52508	12.06	7.01	39.2				Br	
RENAULT																
Clio 1.4 16V	K4J	1999	1390	4		IN	7701472124	0448	32.7	5.5	109.3	CV	45	A		
Clio 1.6 16V	K4M	2001	1598					7701471378								
Megane 1.4 16V		2004														
Eng. K4J 730																
Scenic						EX	7701473355	0449	28.0	5.5	107.7	PN	45	A		
Laguna								7701471379								
Eng. 4KJ 710 / 712 / 713							7701473354									
Megane 1.6 16V						IN	77 00 109 151	G52637	11.07	5.5	40.6				Br	
Kangoo 1.6 16V						EX	77 00 109 151	G52637	11.07	5.5	40.6				Br	
Modus 1.4 16V																
Modus 1.6 16V																
Scenic 1.4 16V																
Scenic 1.6 16V																
Eng. K4M 700 / 701 / 708 / 709 / 712																
RENAULT																
Laguna 2.0 RTi 16V	N7QD N7QH	1998	1948	4		IN	7438610007	0530	31.0	7	104.1	CV	45	K		
						EX	7438610008	0531	27.0	7	103.5	CV	45	K		
																
RENAULT																
R14 L / TL / GL / GTL	X5G	1977	1124	4		IN	7701459824	0624	36.8	8	113.4	CV	30	A		
R14 L / TL / GL / GTL / TS	X5J	1979	1218					7910025377								
Eng. X5G / 145		1980	1360													
R14 LS / TS / TL / GTL / GTS						EX	7701459825	0625	29.3	8	113.6	CV	45	A		
							7910025379									
						IN	0220-51	G51956	13.07	8.01	47.5				Gh	
						EX	0220-51	G51956	13.07	8.01	47.5				Gh	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
RENAULT															
R20 TL / LS / TS	J5R	1975	1647	4		IN	7700635409	0635	43.9	8	112.0	PN	30	A	
R18 GTX / TX / Break	J6R	1977	1995	6		IN	7700644710								
R20 LS / TS / GTL	J7R	1978	1991	IN		7700709794									
R21 GTX / Ti / TXE / Turbo GTS / RX Nevada	Z7V	1980	1995	IN		7701460147									
R25 GTS / TS / GTX	Z7W	1981	2165	IN		7701463786									
Espace 2.0 GTS / TSE		1983	2664	IN		7701465325									
Fuego GTL / GTX / TX		1984	2458	IN											
Master R / Q		1987	2849	EX		7701464794	0659	38.6	8	111.4	PN	45	A		
Trafic		1989		EX		7701460148									
Safrane RN		1991		EX		7701460143									
Espace GTX / TXE / GTS / XE		1992		EX		7700733512									
							EX	7700644709	0637	37.0	8	111.3	PN	45	A
						EX	7700740221								
						EX	7700701645								
						IN		G51961	13.05	8.01	51				Gh
						EX		G51961	13.05	8.01	51				Gh

RENAULT																
Clio RVRN 1.2	E5F	1990	1171	4		IN	7701465088	0640	37.5	7	107.8	PN	30	A		
Express / RL / Fourgon	C3J	1999	1389	IN		7700273371										
Clio S / RT 1.4	E6J		1390	IN		7700853390										
R19 / Chamade / TS / GTS / TSE	E7J		1598	IN		6001548030										
Megane 1.4				IN												
Megane 1.6 (44/59 KW)				EX		7701465090	0641	33.6	7	107.8	PN	45	A			
Clio 1.4 / 1.6				EX		7701468419										
Kangoo				EX		7700865934										
Dacia Logan				EX		7700865832										
							IN		G52502	12.06	7.01	42				Br
							EX		G52510	12.06	7.01	49				Br

RENAULT																
Clio RT / BAC	F1N	1984	1721	4		IN	7700713788	0652	38.2	8	111.5	PN	30	A		
R5 GTE / GTX / TXE		1985	1794	IN		7701463081										
R9 GTE / GTX / TX / TXE		1986		IN												
R11 GTE / GTX / TX / TXE		1987		IN												
R19 GTS / GTX / TSE / TXE		1988		EX		7700713790	0653	32.5	8	111.3	PN	45	A			
R19 / Chamade GTX / TXE / TS / GTS		1989		EX		7701463082										
R21 GTL / GTS / RS / TS / TSE / GTX		1990		EX		7701463944										
R21 / Nevada TL / TS / GTS / TSE				IN		77 01 452 333										
Eng. F2N / F3N / F2R				EX		07 10 942 500	G51342	13.14	8.02	39.5					Gh	
Trafic							G50396	13.14	8	49					Gh	
R19 Api																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
RENAULT																
Trafic	C1G	1982	1237	4		IN	7701462137	0655	34.2	7	91.3	CV	45	A		
Express (F40) GTL / Fuego	C1J	1984	1390					7700682064								
R5 GTR/TL/TR/GTL/TSE Aut.	C2J	1987	1397													
R9 C/GTC/GTL/TC/Brodway		1988	1721													
R11 GTC / TC / Brodway		1990					EX	7701461802	0407	29.0	7	89.0	CV	45	H	
R19 GTR / TR / TRE								7701463181								
Eng. C1G								6001004967								
Clio RN / RTN								7700638247								
R5 GTL 1.4 / GTS / TS/ TX / GTL / TSE / GTS Automatic								7700666112								
R9 TL / GTL / TLE / TS								7700677772								
R11							7701460690									
R18							7701461214									
R19																
Fuego						IN	07 10 939 000	G50394	11.15	7	41.5				Gh	
Trafic						EX	07 10 939 000	G50394	11.15	7	41.5				Gh	
Express																
R5 Supercinque																
RENAULT																
R25 Turbo	Z7X	1987	2458	6		IN	7701464556	0658	46.0	8	112.6	CV	45	A		
R25	Z7XB	1991	2849													
Espace GTX / TXE		1992	2963													
Laguna 3.0 V6		1993	2975													
Safrane RN / RT / RXE							EX	7701464557	0659	38.6	8	111.4	PN	45	A	
3.0 Quadra																
Eng. Z7W / Z7XB / Z7X (113/118/125 KW)						IN		G51961	13.05	8.01	51				Gh	
						EX		G51961	13.05	8.01	51				Gh	
RENAULT																
Safrane RN / RT 12V	J7R	1991	1995	4		IN	7701465496	0710	30.4	7	111.9	PN	45	A		
R21 Txi 12V	J7T	1992	2165					7701465495	0708	36.4	7	111.8	PN	45	A	
Eng. J7R / J7T (99/103 KW)								7701465497	0711	40.1	7	112.0	PN	45	A	
							IN		G51961	13.05	8.01	51				Gh
					EX			G51961	13.05	8.01	51				Gh	
RENAULT																
Clio 1.8 Baccara	F3R	1993	1794	4		IN	7701466606	0712	40.1	8	107.1	PN	45	A		
R19 Spider 1.8			1948													
Laguna			1995													
Eng. F3P - 678 / 720 / 724																
Laguna Baccara							EX	7701466607	0713	32.7	8	106.9	PN	45	A	
Eng. F3R - 722 / 723 (70/85 KW)																
Megane 2.0						IN		G52582	13.07	8	37.7				Br	
Eng. F3R						EX		G52582	13.07	8	37.7				Br	
RENAULT																
Megane 2.0 16V	F5R	1999	2000	4		IN	7701471780	0798	31.5	5.5	113.6	CV	45	A		
Laguna 2.0 16V		2000														
Eng. F5R700																
Eng. F5R740																
							EX	7701471781	0799	27.5	5.5	114.0	PN	45	A	
						IN	77 00 114 862	G52741	11065	5.5	45				Br	
						EX	77 00 114 862	G52741	11065	5.5	45				Br	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
RENAULT																
Laguna 1.8 (F3P - 670) Laguna 2.0 (F3R - 728 / 729)			1794 1948	4		IN	7701468960	0800	40.0	8	115.6	PN	45	A		
							7700112413									
							EX	7701468961	0801	32.5	8	115.3	PN	45	A	
							7700112412									
						IN		G52582	13.07	8	37.7			Br		
					EX		G52582	13.07	8	37.7				Br		
RENAULT																
Spider 2.0 i 16V Megane COACH 2.0 RT 16V Eng.F7R.700			1998	4		IN	7701468861	0802	33.0	7	107.3	CV	45	A		
							7700865550									
							EX	7701468862	0803	28.3	7	108.8	PN	45	A	
							7700865551									
						IN	77 00 743 529	G52508	12.06	7.01	39.2			Br		
					EX	77 00 743 529	G52508	12.06	7.01	39.2				Br		
RENAULT																
Clio 1.2 Kangoo Twingo Eng.D7F-726	D7F	1999 2004	1149	4		IN	7701469266	0806	33.0	6	106.8	PN	30	A		
							EX	7701469269	0807	29.8	6	106.8	PN	45	A	
													IN		G52640	11.07
					EX		G52641	11.12	6	45				Br		
RENAULT																
Megan 2.0 16V Scenic 2.0 16V Eng. F4R 744 / 746 / 747 Espace 2.0 16V Grand Espace 2.0 16V Eng.F4R 770 796 720 Clio 2.0 16V Avantime 2.0 i Turbo 16V Vel Satis 2.0 i Turbo 16V Eng. F4R 730	F4R	2001 2004	1998	4		IN	7701471279	1006	33.4	5.5	110.1	CV	45	A		
							7701474287									
							EX	7701473101	1007	28.9	5.5	108.9	PN	45	A	
							7701471280									
							7701474286									
						IN	77 00 109 151	G52637	11.07	5.5	40.6			Br		
					EX	77 00 109 151	G52637	11.07	5.5	40.6				Br		
RENAULT																
Modus 1.2 16V Clio 1.2 16V Twingo 1.2 16V Kangoo 1.2 16V Eng. D4F 712-740	D4F712 D4F740	2001 2004 2011	1149	4		IN	7701472986	1704	26.0	5.5	110.7	PN	45	K		
							EX	7701473004	1705	22.0	5.5	112.5	PN	45	K	
							7701477875									
													IN	77 00 109 151	G52637	11.07
					EX	77 00 109 151	G52637	11.07	5.5	40.6				Br		
RENAULT																
Laguna V6 24V Eng. B56			2946	V6		IN	094885	1706	33.8	6	108.4	PN	45	A		
							EX	094991	1707	31.5	6	107.8	PN	45	A	
																

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
RENAULT															
Laguna 2.0 16V Megane 2.0 16V Eng.M4R	M4R	2008	1997	4		IN	13201EN20A	3618	33.9	5.5	106.3	CV	45	A	
						EX	13201EN20A	3619	27.7	5.5	105.2	CV	45	A	
															
RENAULT															
Megane 3 1.2 Captur 1.2 Clio IV 0.9 TCE Capture 0.9 TCE Eng H5F-H4B	H5F H4B	2012 2013	898 1200	3 4		IN	132017322R 132013562R	5288	26.6	5.5	100.8	CV	45	K	
						EX	132027223R 132025379R	5289	23.5	5.5	101.6	PN	30	K	
															
RENAULT															
Espace 3.5 V6 24V Grand Espace 3.5 V6 24V Eng.V4Y711	V4Y	2001 2004	3500	V6		IN	7701474099	6411	37.1	6	96.4	CV	45	A	
						EX	7701474100	6412	31.4	6	94.0	CV	45	A	
															
RENAULT DIESEL															
R18 GTD / TD / Break R20 GTD / TD R21 GTD / TBD / TD / TDX R25 GTD / TBD / TD / TDX R30 TD Master R / Q Trafic T1 / T3 / T4 / T5 Espace TD / TDX Fuego TD Jeep Cherokee TD R21 / Nevada / Espace Safrane Eng. J8S / J8S - Turbo (44/49/54/63/66 KW)	J8S	1979 1980 1981 1983 1984 1986 1989 1991 1992	2068	4		IN	7701461338 7701462232 7700692312 7700663545	0630	40.3	8	111.6	PN	45	A	
						EX	7700663546 7701461339	0631	33.3	8	111.6	PN	45	A	
							IN EX	G52054 G52054	13.07 13.07	8 8	49 49				
RENAULT DIESEL															
R5 Supercinq GTD / SD / TD R9 GTD / TD / TDE R11 GTD / TD / TDE Express (F40) D Eng. F8M Clio RL / RN R19 Chamade TD / GTD / TDE R21 Nevada Eng. F8Q Clio 1.9 D (40/48/66 KW)	F8M F8Q	1982 1983 1985 1989 1990 1993	1595 1870	4		IN	7701468035	0654	35.0	8	111.6	PN	45	A	
						IN	7701465107 7701466716 7701462813 7700738494 7700702871	0650	36.2	8	111.7	PN	30	A	
						EX	7701462814 7700696117	0651	31.6	8	111.3	PN	45	A	
	IN EX	G52105 G52105	13.07 13.07	8 8	39 39					Br Br					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
RENAULT DIESEL																	
Megane 1.9 D Eng.F8Q.672 Clio 1.9 D Kangoo 1.9 D Express 1.9 D	F8Q	1995	1870	4		IN	7701471704	0714	35.0	8	110.3	PN	45	A			
							7701469369										
							EX	7701471705	0717	31.3	8	109.8	PN	45	A		
							7701469373										
							IN		G52105	13.07	8	39					Br
EX		G52105	13.07	8	39					Br							













RENAULT DIESEL																	
Megan 1.9 D Clio D Kangoo 1.9 D Eng. F8Q 632 Scenic 1.9 DCi (75/85 KW)	F8Q	1999 2001	1870	4		IN	7701468190	0714	35.0	8	110.3	PN	45	A			
							7701471704										
							EX	7701468193	0715	31.5	8	110.5	PN	45	A		
							7701469371										
							7701468623										
IN		G52105	13.07	8	39					Br							
EX		G52105	13.07	8	39					Br							

RENAULT DIESEL																	
Grand Espace TD Espace TD Laguna Eng. G8T - 706 Eng. G8T - 708 Turbo (62.5 KW) Safrane 2.2 TD	G8T	1993 1995 1999	2188	4		IN	7701468169	0720	32.2	7	117.6	PN	45	K			
							7701469684										
							EX	7701468170	0721	31.1	7	117.6	PN	45	K		
							7700859517										
							IN										
EX																	

RENAULT DIESEL																	
Megane 1.9 DTi Eng. F9Q 730 / 734 (74 KW) Megane 1.9 DCi Kangoo 1.9 DTi Eng. F9Q 782 / 790 / 732 / 733 Laguna 1.9 Dci Espace 1.9 Dci Master 1.9 Dti Trafic 1.9 DCi Eng. F9Q 750	F9Q	1996 2001	1870	4		IN	7701476024	0726	35.3	7	110.9	PN	45	A			
							7700110387										
							7701471702										
							EX	7701476025	0727	32.6	7	110.7	PN	45	A		
							7701471703										
7700110389																	
IN	77 00 859 086	G52585	12.06	7	38.3					Br							
EX	77 00 859 086	G52585	12.06	7	38.3					Br							

RENAULT DIESEL																	
Modus 1.5 Dci Clio 1.5 Dci Megane 1.5 Dci Kangoo 1.5 Dci Scenic 1.5 Dci (60Kw) Eng. K9K 700 / 704 Logan 1.5 Dci Duster 1.5 Dci Lodge 1.5 Dci Eng.K9K792	K9K	2001 2002 2004 2012	1461	4		IN	7701473184	1702	33.4	6	101.0	PN	45	K			
							7701476573										
							132011980R										
							EX	7701473183	1703	28.9	6	100.8	PN	45	K		
							7701476572										
132024905R																	
IN																	
EX																	

RENAULT DIESEL																	
Vel Satis 3.0 24V Dci Laguna 2.2 16V Dci Vel Satis 2.2 16V Dci Espace 2.2 16V Dci Grand Espace 2.2 16V Dci Trafic T27-T29 2.5 Dci	GRT G9U G9T	2004	2188 2463 2958	4 V6		IN	7701472669	1708	30.6	6	123.2	PN	45	K			
							EX	7701472670	1709	29.5	6	123.0	CV	45	K		
IN																	
EX																	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
RENAULT DIESEL																
Nuovo Mascott 3.0 Dci 16V Nuovo Master 3.0 Dci 16V Eng.ZD3.A600-A604 120.50 160.55		2004	2953	4		IN	7701475382	1718	32.0	7	113.5	CV	45	A		
							EX	7701475381	1719	30.0	7	113.4	CV	45	A	
																
RENAULT DIESEL																
Master T28 2.8 TD Eng. S9W 702 Safrane Eng. 2144.97 Turbo Diesel (85 KW)	S9W	1996 2001	2499	4		IN	7701463603	2705	41.0	8	121.0	PN	30	A		
							EX	7701467249	2669	36.6	8	121.9	PN	45	A	
																
RENAULT DIESEL																
Safrane Eng. 2144.97 Turbo Diesel (85 KW)	214497	1992	2499	4		IN	7701463603	2705	41.0	8	121.0	PN	30	A		
							EX	7701203675	2692	34.5	8	122.0	PN	45	A	
																
RENAULT DIESEL																
Scenic 1.6 Dci Megane 1.6 Dci Fluence 1.6 Dci Kajar 1.6 Dci Eng. RLM-R9M	RLM R9M	2011	1598	4		IN	132017444R 132010370R	2362	23.5	6	104.1	PN	45	K		
							EX	132024894R 132027372R	2363	23.4	6	104.0	PN	45	K	
																
RENAULT DIESEL																
Laguna 2.0 Dci Megane 2.0 Dci Espace 2.0 Dci VelSatis 2.0 Dci Koleos 2.0 Dci Espace 2.0 Dci Master 2.3 CDTi 16V Eng. M9R-M9T	M9R M9T	2008 2010	1995 2299	4		IN	7701476596 132012274R	3652	27.7	6	103.9	PN	45	K		
							EX	7701476595	3653	26.1	6	103.8	CV	45	K	
																















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
ROVER															
Rover 100 Metro 16V	18K4F	1989	1119	4		IN	LGH10029	0860	27.7	6	89.6	PN	45	A	
Rover 11 4i Aut.	K16	1991	1396	IN		LGH10029L									
Rover 214 SLi / GSi 16V	K64	2001	1588												
Rover 414 Si / SLi 16V	K65	2004	1796												
Rover 416 16V SLI	L82					EX	LGH100820	0861	24.2	6	90.0	PN	45	A	
Rover 416 16V ESI	184KF			EX	LGH101190 LGH10028										
200 1.4 S / Si															
400 1.4 S / Si															
200 1.6															
400 1.6						IN	LGJ10034	G52318	9.84	6.01	30				Gh
Tourer 1.6				EX		LGJ10034	G52499	9.88	6.01	30					Gh
MGF 1.8															
75 1.8															
25 1.1 16V															
25 1.4 16V															
25 1.6															
25 1.8															
75 1.8															
45 1.4															
45 1.6															
45 1.8															
Freelander 1.8 Softback															







ROVER															
Rover 100 Metro	11K2F	1990	1113	4		IN	WAM4002	0862	33.5	7	90.5	PN	45	A	
Rover 100 Metro 1.4 GS	L06	2001	1396	IN											
Rover 111	K63														
Rover 214 S / 414 16V (44/56 KW)						EX	LGH101180	0863	31.2	7	91.0	PN	45	A	
200 1.1 8V				EX	WAM4003										
25 1.1 / 1.4															
						IN	WAM4227	G52317	12.03	7.01	32				Gh
				EX		WAM4227	G52317	12.03	7.01	32					Gh









ROVER															
220 Turbo 16V	T16	1991	1996	4		IN	LGH101060	0890	31.9	7.1	110.8	PN	45	A	
620 16V Ti				IN		LGH10020									
820 Si / Sli 16V															
Eng. T 16.4 (100 KW)						EX	LGH10049	0891	29.4	7.1	110.8	PN	45	A	
820 Turbo				EX	LGH101000 LGH101140										
						IN	LGJ100540	G52551	12.04	7.14	46.8				Gh
				EX		LGJ100550	G52552	12.04	7.14	51.3					Gh













ROVER															
Mini Cooper		1984	1275	4		IN	TAM1058	1957	33.2	7.1	90.7	PN	45	K	
British Open		1999		IN											
						EX	TAM1061	1958	29.3	7.1	90.7	PN	45	K	
				EX											













ROVER															
Landrover 88 / 90 / 109 / 110		1984	2286	4		IN	ETC4067	2070	44.5	7.9	111.4	PN	30	K	
Landrover 90 / 110		1985	2494	IN											
Defender 90 / 110 (58/62 KW)		1987													
						EX	ETC5866	2071	34.3	8.7	111.4	PN	45	K	
				EX											















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
ROVER																		
Freelander 2.5 Softback 200 1.8 Vi MGF 1.8 WC 75 2.0 V6 75 2.5 V6 Eng. 20K4F / 25K4F 45 2.0 V6 825 2.5 i V6 24 V	20K4F 25K4F	1999 2001 2004	1796 1985 2497	4 V6		IN	LGH10064	2194	31.5	6	89.6	CV	45	A				
							EX	LGH10065 LGH101360	2195	27.5	6	90.0	CV	45	A			
																		
ROVER																		
Mini One 90CV Mini Cooper 115CV Eng. BMW R50 Tritec	18K4K	2001	1600	4		IN	11341485585 11347829955 11347513019	3407	30.3	6	109.0	CV	45	K				
							EX	11347829943 11347829944 11347513020	3408	23.3	6	117.8	PN	45	A			
																		
ROVER																		
216 16V 400 1.6 Sli Eng. D16A7	D16A7	1996 1998	1594	4		IN	FDU1485 LGH101100	5606	29.0	5.5	115.0	CV	45	A				
							EX	FDU1487 LGH101110	5607	25.0	5.5	118.7	CV	45	A			
																		
ROVER																		
216-416 1.6i 16V SOHC-DOHC 25-45 1.6i 16V	16K4K16	1995 2000	1588	4		IN	LGH101310	5804	30.0	5.5	118.7	CV	45	A				
							EX	LGH101330	5805	26.0	5.5	116.0	CV	45	A			
																		
ROVER																		
Range Rover Sport Discovery III	448S2	2002	4400	V8		IN	4646005 LR002447	5840	34.8	5	105.3	CV	45	A				
							EX	4646004	5841	30.9	5	105.1	PN	45	A			
																		
ROVER																		
Discovery 1 Discovery 2 Defender Range Rover			3500 3900 4000 4600	V8		IN	LGH000030	6008	39.9	8.7	117.0	CV	45	P				
							EX	LGH000040	6009	34.3	8.7	117.0	CV	45	P			
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
ROVER DIESEL															
Range Rover 2.5 TD	256T	1994	2497	6		IN	STC2156	0098	35.9	6	103.7	PN	45	K	
						EX	STC2149	0099	30.9	6	103.6	PN	45	K	
						IN		G52534	12.55	6	39.5				Br
						EX		G52534	12.55	6	39.5				Br
ROVER DIESEL															
Land Rover Discovery 200 Tdi 80Kw 12L Eng. 2.5 L Turbo Defender 90 TDi (83 KW) MAXION 200 TDi		1989 1994	2494	4		IN	ERR1157	0670	39.5	8	116.5	PN	30	K	
						EX	ERR1156	0671	36.5	8	116.5	PN	45	K	
						IN	ETC8003	G52554	14.06	8	49				Gh
						EX	ETC8003	G52554	14.06	8	49				Gh
ROVER DIESEL															
Maxion HSD 21L Serie 300 83Kw		1994	2494	4		IN	ERR3777	0672	38.9	8	116.3	PN	30	K	
						EX	ERR1156	0671	36.5	8	116.5	PN	45	K	
						IN									
						EX									
ROVER DIESEL															
420 TD 620 TD 200 2.0 SD / SDi 400 2.0 SD / Sdi 25 2.0 D 25 2.0 TD (74 / 83) Kw 45 2.0 TD	20T2N	2004	1994	4		IN	LGH100990	0674	37.2	7	86.7	PN	45	A	
						EX	LGH100980	0675	32.5	7	86.7	PN	45	A	
						IN									
						EX									
ROVER DIESEL															
75 2.0 CDT 75 2.0 CDTi Eng. 204D2-306D1 RangeRover 3.0 TD6 24V	204D2 204D3 306D1	1999	1950	4		IN	LGH101450	0677	25.9	6	99.9	PN	45	K	
						EX	LGH101450	0677	25.9	6	99.9	PN	45	K	
						IN									
						EX									
ROVER DIESEL															
Discovery 2.5 TD Eng.TD5 10P-15P	TD5	1997	2496	5		IN	ERR6611	0678	34.7	7	105.3	PN	30	K	
						EX	ERR6612	0679	31.7	7	105.3	PN	45	K	
						IN									
						EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
ROVER DIESEL																
Eng. XDU7 TE Turbo Rover 218 / 418 SLD / TD Eng. XUD 9 A Rover 218 SD (49/65 KW)	XUD7 XUD9	1991	1769 1905	4		IN	LGH10053 LGH10051	0816	38.5	8	112.5	PN	45	A		
						EX	LGH10052 LGH10054 LGH10075	0821	33.0	8	112.0	PN	45	A		
						IN	0220-65	G52290	14.06	8.01	52					Br
						EX	0220-65	G52290	14.06	8.01	52					Br
ROVER DIESEL																
Range Rover Sport Discovery III		2002	3600	v8		IN	1311281	2270	27.7	6	97.1	PN	45	K		
						EX	1316137 1520918	2271	25.2	6	96.4	PN	45	K		
						IN										
						EX										
ROVER DIESEL																
Mini One Diesel Eng. TOYOTA 1NDTV		2003	1364	4		IN	11347791054	3415	30.6	6	100.0	CV	45	A		
						EX	11347791055	3416	28.0	6	100.0	CV	45	A		
						IN		G5S2701	11.09	6.01	40.6				MS	
						EX		G5S2701	11.09	6.01	40.6				MS	
SAAB																
900 SE Coupé 24V 900 SE / 900 SE Cabriolet 24V (125 KW)	B258	1993	2498	6		IN	4500849	2170	32.0	6	102.1	PN	45	K		
						EX	4500864	2171	29.0	6	92.2	PN	45	K		
						IN		G52482	10.03	6	45				Gh	
						EX		G52482	10.03	6	45				Gh	
SAAB																
9000 CSE / CDE 24V 9000 Griffin 24V (155 KW)		1994	2962	6		IN	4500849	2170	32.0	6	102.1	PN	45	K		
						EX	90410816	4005	29.0	6	102.1	PN	45	K		
						IN										
						EX										
SAAB																
9-3 1.8i 16V	Z18XE	2004	1796	4		IN	641048	2184	31.2	5	101.3	CV	45	K		
						EX	641357	2185	27.4	5	100.8	CV	45	K		
						IN										
						EX										













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
SAAB																
9.3 Sport Sedan	B207R	2000				IN	12786696	2192	35.1	6	102.2	CV	45	K		
							EX	12791961	2193	30.1	6	100.9	CV	45	K	
																
SAAB																
900 2.3 / 2.3 16V 900 S / 900 S Coupé 900 SE / 900 SE Coupé 900 S Cabriolet 9000 CS 2.0 / 2.3 16V 9000 CSE / Aero / CD / CDE (96/108/110/125/147/165 KW) Eng.B204-B234	B204 B234	1992 1993	1985 2290	4		IN	9165580	4004	33.0	7	107.8	PN	45	K		
							EX	7500085 9165598	4003	29.0	7	108.3	PN	45	K	
																
SAAB																
9-3 B205-E-R-L B235-R 9-5 B205-E-R-L B235-R Eng.B205E-B235R	B205E B235R	1998	2000 2300			IN	9185851	4006	33.1	5	107.5	CV	45	K		
							EX	9399965 9179219	4007	29.0	5	107.9	PN	45	K	
								IN	9399957	G5S2636	12045	5	48.5			
						EX	9399957	G5S2636	12045	5	48.5				MS	
SAAB																
Eng.Vortec 256C.I.	256CI	2921 3651 4200	2009	4 6		IN	12601763	4008	38.6	6	105.8	CV	45	K		
							EX	12601762	3706	33.5	6	107.9	CV	45	K	
																
SAAB DIESEL																
9-3 1.9 TiD 120-120 CV ENG.Z19DTH-Z19DTV	Z19DTH	2004	1910	4		IN	93178587	1398	27.8	6	114.4	PN	45	K		
							EX	93178588	1399	25.8	6	114.4	PN	45	K	
																
SAAB DIESEL																
9-3 2.2 TiD 16V Eng.D229L Opel	D229L	2000	2172	4		IN	642168	2188	29.0	6	97.1	PN	45	K		
							EX	642211	2189	26.0	6	97.1	PN	45	K	
								IN		G5S2482	10.03	6.01	45			
						EX		G5S2482	10.03	6.01	45			MS		















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	U	M.	
SCANIA																
Eng. DC9	DC9	2006	9000	6		IN	1386647	1015	46.0	11	162.5	PN	20	A		
							EX	1903846	1016	41.0	11	162.5	PN	45	A	
																
SCANIA																
Eng. DN 14 Eng. DS 14 - Turbo (191/275 KW)		1968 1969 1981	14181	8		IN	272804 1361190 1361192	1020	54.0	11	162.5	PN	30	A		
							EX	243477 1361197	1021	44.0	11	162.5	PN	30	A	
																
SCANIA																
Eng. DS 10 - Turbo Eng. DS 11 - Turbo Eng. DS 14 - Turbo (162/202/258 KW)	DS10 DS11 DS14	1958 1968 1981	10260 11015 14181	8		IN	1361192 272804 1361190	1020	54.0	11	162.5	PN	30	A		
							IN	270247	1022	54.0	11	162.5	PN	30	A	
							EX	232018 1360834	1023	44.6	11	162.5	PN	45	A	
																
SCANIA																
Eng. DS 9 Turbo Eng. DSC 9 Turbo (150/185/207 KW) 94 220 DSC9 94 260 DSC9 94 310 DSC9	DS9 DSC9	1985	8471	6		IN	391608 1319081	1028	51.0	10.9	162.5	PN	20	A		
							EX	1360833 366256 278102	1029	44.0	10.9	162.5	PN	45	A	
								IN	300957	G52077	18.01	11	80			
EX	300958	G52078	18.01	11	73					Gh						
SEAT																
Alhambra 1.8 i T 20V Ibiza 1.8T Ibiza 1.8T Cupra Leon 1.8 T 20V Cordoba 1.8 i T 20V Toledo 1.8 i T 20V	AQX AYP	2000 2004	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K		
							EX	058109611E	1135	29.9	6	103.9	PN	45	K	
								IN	058 103 415	G52488	11.06	6	35.9			
EX	058 103 415	G52488	11.06	6	35.9					Br						
SEAT																
Toledo 1.8 i 20V Leon 1.8 i 20V	AEN AGP	2000	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K		
							EX	058109611M 06B109611D	1133	29.9	6	104.0	PN	45	K	
								IN	058 103 415	G52488	11.06	6	35.9			
EX	058 103 415	G52488	11.06	6	35.9					Br						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
SEAT																					
Leon 1.2 TSI 16V	CJZA CJZB	2012	1197	4		IN	04E109601A	2976	26.4	5	110.2	PN	45	K							
							EX	04E109611K	2977	23.5	5	110.1	PN	30	K						
																					
SEAT																					
Leon 1.4 TSI 16V	CMBA CXSA	2012	1395	4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K							
							EX	04E109611J	2979	25.0	5	110.1	PN	30	K						
																					
SEAT																					
Cordoba 1.6 Toledo GL / GLX 1.8 Cordoba 1.8	ABS	1991	1598 1781	4		IN	035109601K	3016	38.0	8	91.9	PN	45	K							
							EX	053109611	2980	33.2	8	91.2	PN	45	K						
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br							
					EX	056 103 419A	G51227	12.06	7.98	36.5			Br								
SEAT																					
Toledo 2.0 Ibiza / Cordoba Alhambra 2.0 (66/85 KW) Ibiza 1.6 Leon 1.6	AGG AEH AFT APF AUR	1993 1999 2000	1781 1984	4		IN	078109601B	3038	39.5	7	91.9	CV	45	K							
							078109601E														
							037109601														
							078109601A														
EX	048109611B	3039	32.9	7	91.2	PN	45	K													
	037109611B																				
						IN	037 103 419B	G52470	12.06	6.98	36.5			Br							
					EX	037 103 419B	G52470	12.06	6.98	36.5			Br								
SEAT																					
Toledo GT 1.8 16V Ibiza 1.8 16V Cordoba 1.8 16V	ABF	1991 1993	1781	4		IN	027109601C	3040	32.0	7	95.5	PN	45	A							
							EX	027109611D	3041	28.0	7	98.2	PN	45	A						
						IN	027 103 419	G52304	12.06	7	38			Br							
					EX	027 103 419	G52304	12.06	7	38			Br								
SEAT																					
Toledo GL / GLX / GT 2.0 Eng. ZE - AAM (85 KW)	ZE AAM	1991	1984	4		IN	026109601A	3042	40.0	8	91.0	PN	45	K							
							026109601C														
							EX								053109611	2980	33.2	8	91.2	PN	45
						IN	056 103 419A	G51227	12.06	7.98	36.5			Br							
					EX	056 103 419A	G51227	12.06	7.98	36.5			Br								















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
SEAT																		
Toledo 2.0 16V Ibiza 1.8i 16V-2.0i 16V Cordoba 16V 1.8-2.0 16V Eng. ADL-ABF (95 KW)	ADL ABF	1994	1780	4		IN	051109601B	3062	32.0	7	95.5	PN	45	K				
							EX	051109611B	3063	27.0	7	98.0	PN	45	K			
						IN	051 103 419	G52472	12.06	6.98	35				Br			
						EX	051 103 419	G52472	12.06	6.98	35				Br			
SEAT																		
Arosa 1.0 Cordoba 1.0 Ibiza 1.0	ALD AUC ANV	1998	999	4		IN	030109601AK	3080	31.0	6	99.0	PN	45	K				
							EX	030109611S	3081	26.0	6	99.0	PN	45	K			
						IN	032 103 419A	G52464	11.07	6.98	33				Br			
						EX	032 103 419A	G52464	11.07	6.98	33				Br			
SEAT																		
Arosa 1.4 Cordoba 1.4 Ibiza 1.4 Inca 1.4	ALD AUC ANV	1998	1391	4		IN	030109601AL	3098	33.5	6	99.2	PN	45	K				
							EX	030109601T	3099	28.0	6	99.1	PN	45	K			
																		
SEAT																		
Ibiza 1.4 16V Cordoba 1.4 16V 101Cv Cordoba 1.6 16V Arosa 1.4 16V Leon 1.6 16V Ibiza 1.2 12V Toledo 1.4i 16V	AQQ AFK AUA BBY AUS AZD AHW BZG AZQ	1998 2001 2004	1390 1597 1198	4 3		IN	036109601S 036109601AD	3102	29.5	6	100.9	CV	45	K				
							EX	036109611K	3103	26.0	6	100.6	PN	45	K			
						IN	058 103 415	G52488	11.06	6	35.9				Br			
						EX	058 103 415	G52488	11.06	6	35.9				Br			
SEAT																		
Cordoba 1.0 Arosa 1.0 Ibiza 1.0	AER ALL	1999	999	4		IN	030109601AG	3104	31.0	7	94.7	PN	45	K				
							EX	030109611N	3105	26.0	7	94.4	PN	45	K			
						IN	032 103 419A	G52464	11.07	6.98	33				Br			
						EX	032 103 419A	G52464	11.07	6.98	33				Br			
SEAT																		
Altea 1.6 Toledo 1.6 Ibiza 1.6 BiFuel Altea 1.6 BiFuel	BGU BSE BSF CHGA	2004 2011	1595	4		IN	06B109601D 06B109601H	3114	39.4	6	93.8	CV	45	K				
							EX	06B109611C	3115	32.9	6	93.8	PN	45	K			
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	α	M.					
SEAT																		
Toledo 2.0 16V FSI Toledo 1.8 16V TFSI Leon 2.0 16V FSI Altea 2.0 16V FSI Exeo 1.8 TFSI 16 V Alhambra 1.8 TFSI	BLX BLR CDHA CDA	2004 2009	1800 1984	4		IN	06D109601K	3126	33.8	6	104.0	CV	45	K				
							06E109601E											
							06D109601M											
							EX 06D109611L	3127	28.0	6	101.9	PN	45	K				
							06D109611T											
	IN 058 103 415	G52488	11.06	6	35.9				Br									
	EX 058 103 415	G52488	11.06	6	35.9				Br									
SEAT																		
Ibiza 1.2 TSI Leon 1.2 TSI Altea 1.2 TSI	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K				
							EX 03F109611B	3131	30.0	6	98.3	PN	45	K				
							03F109611C											
	IN 058 103 415	G52488	11.06	6	35.9				Br									
	EX 058 103 415	G52488	11.06	6	35.9				Br									
SEAT																		
Mii Tsi 16V Leon Tsi 16V	CWWA CHYA CHYB	2014	1595	4		IN	04E109601	3147	29.6	5	110.2	PN	45	K				
							EX 04E109611L	3148	27.0	5	110.1	PN	30	K				
SEAT																		
Ibiza Cordoba	ABD		1300 1400	4		IN	030109601L	5240	35.9	7	99.2	PN	45	K				
							030109601J											
							EX 030109611D	5245	29.0	7	99.0	PN	45	K				
							EX 030109611A	3009	28.8	8	99.0	PN	45	K				
	IN 056 103 419A	G51227	12.06	7.98	36.5				Br									
	EX 056 103 419A	G51227	12.06	7.98	36.5				Br									
SEAT																		
Ibiza Cordoba	ABU	1993	1598	4		IN	032109601G	5242	34.6	7	94.8	PN	45	K				
							EX 032109611G	5243	29.0	7	95.0	PN	45	K				
SEAT																		
Ibiza 1.4 Arosa 1.4 Cordoba 1.4 Ibiza 1.6 Cordoba 1.6	AEX AEE	1999	1390 1598	4		IN	030109601AH	5246	35.5	7	94.7	PN	45	K				
							030109601AD											
							EX 030109611G	5243	29.0	7	95.0	PN	45	K				
	IN 032 103 419A	G52464	11.07	6.98	33				Br									
	EX 032 103 419A	G52464	11.07	6.98	33				Br									














Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
SEAT																
Ibiza Cordoba Eng.AAU-ABD- (34-44)kW	AEV ABD	1994	1043 1391	4		IN	030109601G	5248	34.0	7	99.0	PN	45	K		
							EX	030109611D	5245	29.0	7	99.0	PN	45	K	
																
SEAT DIESEL																
Toledo 1.9 TDi Alhambra 1.9 TD (66 kW)	1Z	1995	1896	4		IN	028109601H	1948	36.0	8	96.9	PN	45	K		
							EX	046109611F	1949	31.5	8	96.9	PN	45	K	
								IN	056 103 419A	G51227	12.06	7.98	36.5			
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br	
SEAT DIESEL																
Ronda D / L / GL Malaga D / L / GL GLX Top Ibiza D / L / GL (40.5 kW)	138A5000	1984 1985	1714 Fiat Engine	4		IN	4368843	2711	38.5	8	126.0	PN	45	A		
							EX	4368845 5996615	2712	33.5	8	126.0	PN	45	A	
																
SEAT DIESEL																
Ibiza 1.9 TDi Toledo 1.9 TDi Cordoba 1.9 TDi Leon 1.9 TDi Alhambra 1.9 TDi (66/81 kW)	AHN AHU ALH AGR AFN ASV	1999 2001	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K		
							EX	028109611G	2971	31.5	7	96.9	PN	45	K	
								IN	037 103 419B	G52470	12.06	6.98	36.5			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
SEAT DIESEL																
Toledo GL / Ibiza / Cordoba Toledo GLX / Ibiza / Cordoba (48/50/55 kW)	1Y AAZ	1991 1993	1896	4		IN	069109601F 069109601H	3043	36.0	8	95.6	PN	45	K		
							EX	074109611	3045	31.2	8	95.6	PN	45	K	
								IN	056 103 419A	G51227	12.06	7.98	36.5			
						EX	049 103 419	G51498	12.06	7.98	42.3				Br	
SEAT DIESEL																
Arosa 1.7 SDi Ibiza 1.9 D / SDi Cordoba 1.9 D / Sdi	AEY AHG	1999	1716	4		IN	028109601J	3106	36.0	7	96.6	PN	45	K		
							EX	028109611K	3107	31.5	7	96.4	PN	45	K	
								IN	037 103 419B	G52470	12.06	6.98	36.5			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
SEAT DIESEL																			
Arosa 1.4 TDi	AMF	2001	1422	4		IN	038109601B	3110	36.0	7	89.9	PN	45	K					
Eng. AMF	AUY	2003	1896	3															
Leon 1.9 TDi	ARL	2004																	
Leon 1.9 TDi Cupra	ATD																		
Alhambra 1.9 TDi	ASZ					EX	038109611B	3111	31.5	7	89.9	PN	45	K					
Cordoba 1.9 TDi	BKC						038109611F												
Toledo 1.9 TDi																			
Ibiza 1.9 TDi																			
Altea 1.9 TDi (86/110 KW)																			
SEAT DIESEL																			
Arosa 2.0 16V Tdi	BKD AZV	2004	1968	4		IN	03G109601A	3118	29.4	6	88.5	PN	45	K					
						EX	03G109611B	3119	25.5	6	88.2	PN	45	K					
																			
SEAT DIESEL																			
Altea 2.0 Tdi-PD 16V	AZV	2005	1968	4		IN	03G109601B	3120	29.1	6	87.8	PN	45	K					
Leon 2.0 Tdi-PD 16V	BKD																		
Toledo 2.0 Tdi-PD 16V	BMN																		
										EX	03G109611D	3121	25.4	6	87.5	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br				
						EX	058 103 415	G52488	11.06	6	35.9				Br				
SEAT DIESEL																			
Ibiza 1.4 Tdi	BHC	2003	1422	3		IN	038109601E	3132	36.0	7	89.5	PN	45	K					
Eng. BHC	AXR	2005	1896																
Leon 1.9 Tdi	BLS	2006	1968																
Leon 2.0 Tdi	BXE																		
	BXF					EX	038109611E	3133	31.5	7	89.1	PN	45	K					
	BLB																		
	BMM					IN	037 103 419B	G52470	12.06	6.98	36.5				Br				
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br				
SEAT DIESEL																			
Altea 2.0 Tdi	CBA	2007	1968	4		IN	03L109601	3142	28.1	6	99.3	PN	45	K					
Leon 2.0 Tdi	CBAB					2009													
Exeo 2.0 Tdi	CBBA																		
	CBBB																		
	CAGC					EX	03L109611	3143	26.0	6	99.1	PN	45	K					
	CJCC																		
	CAGA					IN		G52632	10.06	5.98	42				Br				
	CJCA					EX		G52632	10.06	5.98	42				Br				
	CAHA																		
	CGLB																		
SEAT DIESEL																			
Ibiza 1.2 Tdi	CAYB	2011	1197	4		IN	03L109601A	3144	26.5	6	99.3	PN	45	K					
Ibiza 1.6 Tdi	CAYC		1598																
Leon 1.6 Tdi	CFWA																		
Altea 1.6 Tdi	CLNA																		
	CLCA						EX	03L109611A	3145	24.4	6	99.1	PN	45	K				
																			















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
SETRA																
Multiclass S 415 H	OM 470.903	2012	10677	6		IN	03L109601	3142	28.1	6	99.3	PN	45	K		
Multiclass S 416 H	OM 470.906	2013														
Multiclass S 417 UL	OM 470.908	2014				IN	4700500626			42.5	9.5	239.9	PN	20	A	
Multiclass S 419 UL		2016				EX	03L109611	3143		26.0	6	99.1	PN	45	K	
Confortclass S 511 HD						EX	4700500427	3272		40.0	9.5	246.5	PN	30	A	
Confortclass S 515 HD						IN		G52632	10.06	5.98	42				Br	
Confortclass S 516 HD						EX		G52632	10.06	5.98	42				Br	
Confortclass S 517 HD																
SETRA																
Topclass S 431 DT	OM 471.900	2014	12809	6		IN	4710500426	3282	45.2	9.5	240.0	PN	20	A		
Confortclass S 516 HD	OM 471.902	2016														
Confortclass S 517 HD																
Topclass S 515 HDH						EX	4710500427	3283		43.5	9.5	246.6	PN	30	A	
Topclass S 516 HDH																
Topclass S 517 HDH						IN										
						EX										
SHAANXI																
F 2000 SX4254	WD 12.375	2006	11596	6		IN	03L109601	3142	28.1	6	99.3	PN	45	K		
F 3000 SX4255		2009														
F 3000 SX4257						IN	4700500626			42.5	9.5	239.9	PN	20	A	
						EX	03L109611	3143		26.0	6	99.1	PN	45	K	
						EX	4700500427	3272		40.0	9.5	246.5	PN	30	A	
						IN		G52632	10.06	5.98	42				Br	
						EX		G52632	10.06	5.98	42				Br	
SKODA																
Forman 135 L / LK / LE / LS / LSK		1989	1137	4		IN	114020249	0680	34.0	8	101.3	PN	45	A		
Eng. 781.115.116.135.136			1289					441012093466								
Favorit - Forman 135								047109601								
136 L / LK / LE / LS / LSK / LSE						EX	441012093476	0681		30.0	8	101.8	PN	45	A	
Eng. 781.115.116.135.136 (38/46 KW)								114020266								
Felicia 1.3						IN	047 109 608	G52774	12.06	7.98	40.8				Gh	
						EX	047 109 608	G52774	12.06	7.98	40.8				Gh	
SKODA																
Octavia 1.8T RS	AWT	2000	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K		
Superb 1.8 T 20V	AGU	2003														
						EX	058109611E	1135		29.9	6	103.9	PN	45	K	
							IN	058 103 415	G52488	11.06	6	35.9				Br
					EX		058 103 415	G52488	11.06	6	35.9				Br	
SKODA																
Octavia 1.8 T	AGN	1998	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K		
Superb 2.8 V6 30V	AMX	2003														
						EX	058109611M	1133		29.9	6	104.0	PN	45	K	
								06B109611D								
							IN	058 103 415	G52488	11.06	6	35.9				Br
					EX		058 103 415	G52488	11.06	6	35.9				Br	













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
SKODA																		
Felicia 1.3 Fabia 1.4	AZF ATZ AME AQW	1998 2000	1289 1397	4		IN	047109601D	2960	34.0	7	101.3	PN	45	K				
							EX	047109611D	2961	30.1	7	101.3	PN	45	K			
																		
SKODA																		
Fabia 1.0	ATY ARV AQV	2000	997	4		IN	047109601F	2962	34.0	7	103.8	CV	45	K				
							EX	047109611B	2963	27.0	7	103.7	PN	45	K			
																		
SKODA																		
Octavia 1.2 TSI 16V	CJZA CJZB	2012	1197	4		IN	04E109601A	2976	26.4	5	110.2	PN	45	K				
							EX	04E109611K	2977	23.5	5	110.1	PN	30	K			
																		
SKODA																		
Octavia 1.4 TSI 16V	CHPA	2012	1395	4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K				
							EX	04E109611J	2979	25.0	5	110.1	PN	30	K			
																		
SKODA																		
Octavia 1.6 Octavia 2.0 Fabia 2.0 Superb 2.0	AQY AEH AZL AZM	1998 2000 2003	1984	4		IN	078109601B 078109601E	3038	39.5	7	91.9	CV	45	K				
							EX	048109611B	3039	32.9	7	91.2	PN	45	K			
																		
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br			
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br			
SKODA																		
New Fabia 1.2 6V	BMD AWY	2007	1198	3		IN	03D109601B 032109601L	3097	34.5	6	99.2	PN	45	K				
							EX	03D109611A 030109611T	3099	28.0	6	99.1	PN	45	K			
																		
						IN	058 103 415	G52488	11.06	6	35.9				Br			
						EX	058 103 415	G52488	11.06	6	35.9				Br			















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.			
SKODA																		
FABIA 1.4 i 16V	AFH	1999	1390	4		IN	036109601P	3100	29.5	6	97.9	CV	45	K				
							EX	036109611L	3101	26.1	6	97.2	PN	45	K			
						IN	032 103 419A	G52464	11.07	6.98	33				Br			
						EX	032 103 419A	G52464	11.07	6.98	33					Br		
SKODA																		
Fabia 1.4 16V Fabia 1.2 12V New Fabia 1.2 12V New Fabia 1.4-1.6	AUA AUB BBZ AZQ BZG BTS BXW BUD BXW	2000 2003 2007	1198 1390	3 4		IN	036109601AD	3102	29.5	6	100.9	CV	45	K				
								036109601S										
							EX	036109611K	3103	26.0	6	100.6	PN	45	K			
													IN	058 103 415	G52488	11.06	6	35.9
						EX	058 103 415	G52488	11.06	6	35.9				Br			
SKODA																		
FABIA 1.0 Eng.AER	AER	2000	999	4		IN	030109601AG	3104	31.0	7	94.7	PN	45	K				
							EX	030109611N	3105	26.0	7	94.4	PN	45	K			
						IN	032 103 419A	G52464	11.07	6.98	33				Br			
						EX	032 103 419A	G52464	11.07	6.98	33				Br			
SKODA																		
Octavia 1.6 i Octavia 1.6 GPL	AVU BGU CHGA	2000 2011	1595	4		IN	06B109601D	3114	39.4	6	93.8	CV	45	K				
							EX	06B109611C	3115	32.9	6	93.8	PN	45	K			
																		
SKODA																		
Octavia 2.0 FSI 16V Superb 1.8 TFSI Yeti 1.8 TFSI	BLX BLY BLR CDAA	2004	1798 1994	4		IN	06D109601K	3126	33.8	6	104.0	CV	45	K				
								06E109601E										
								06D109601M										
							EX	06D109611K	3127	28.0	6	101.9	PN	45	K			
								06D109611L										
								06D109611T										
						IN	058 103 415	G52488	11.06	6	35.9				Br			
						EX	058 103 415	G52488	11.06	6	35.9				Br			
SKODA																		
Fabia 1.2 TSI Octavia 1.2 TSI Roomster 1.2 TSI Yeti 1.2 TSI	CBZA CBZB	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K				
							EX	03F109601B	3131	30.0	6	98.3	PN	45	K			
								03F109601C										
																		













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.				
SKODA																			
Fabia 1.6 Tsi 16V Octavia 1.6 Tsi 16V Yeti 1.6 Tsi 16V Citigo 1.0	CWWA CHYA CHYB	2014	999 1595	3 4		IN	04E109601	3147	29.6	5	110.2	PN	45	K					
						EX	04E109611L	3148	27.0	5	110.1	PN	30	K					
SKODA																			
Felicia 1.6	AEE	1998	1598	4		IN	030109601AH 030109601AD	5246	35.5	7	94.7	PN	45	K					
						EX	032109611G	5243	29.0	7	95.0	PN	45	K					
						IN	032 103 419A	G52464	11.07	6.98	33				Br				
					EX	032 103 419A	G52464	11.07	6.98	33					Br				
SKODA DIESEL																			
Octavia 1.9 D Octavia 1.9 Tdi	AGR AHF	1998	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K					
						EX	028109611G	2971	31.5	7	96.9	PN	45	K					
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br				
					EX	037 103 419B	G52470	12.06	6.98	36.5					Br				
SKODA DIESEL																			
Felicia D	AEF	1996	1900	4		IN	028109601B 028109601C	2972	36.0	7	95.5	PN	45	K					
						EX	028109611E	2973	31.1	7	95.6	PN	45	K					
						IN		G51227	12.06	7.98	36.5				Br				
					EX	056 103 419A	G51227	12.06	7.98	36.5					Br				
SKODA DIESEL																			
Fabia 1.9 Sdi Octavia 1.9 Sdi	ASY AEY AQM AGP	2000	1896	4		IN	028109601J	3106	36.0	7	96.6	PN	45	K					
						EX	028109611K	3107	31.5	7	96.4	PN	45	K					
						IN	037 103 419B	G52470	12.06	6.98	36.5				Br				
					EX	037 103 419B	G52470	12.06	6.98	36.5					Br				
SKODA DIESEL																			
Superb Tdi V6 24V	AYM	2001	2496	V6		IN	059109601B 059109601C	3108	27.2	6	100.6	PN	45	K					
						EX	059109611B	3109	24.1	6	100.6	PN	45	K					
						IN		G52632	10.06	5.98	42				Br				
					EX		G52632	10.06	5.98	42					Br				















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
SKODA DIESEL															
Fabia 1.9 TDi Superb 1.9 Tdi Fabia 1.4 TDI Eng.AMF(BEFORE 2003)	ATD	2000	1896	4		IN	038109601B	3110	36.0	7	89.9	PN	45	K	
	ASZ	2003	1422	3											
	AVB					EX	038109611B 038109611F	3111	31.5	7	89.9	PN	45	K	
	AWX AMF														
SKODA DIESEL															
Octavia 2.0 16V Tdi	BKD	2004	1968	4		IN	03G109601B	3120	29.1	6	87.8	PN	45	K	
					EX	03G109611D	3121	25.4	6	87.5	PN	45	K		
						IN EX	058 103 415 058 103 415	G52488 G52488	11.06 11.06	6 6	35.9 35.9				Br Br
SKODA DIESEL															
Superb 2.5 V6	BDG	2003	2496	V6		IN	059109601F	3122	27.2	6	100.6	PN	45	K	
					EX	059109611G	3123	24.1	6	100.7	PN	45	K		
															
SKODA DIESEL															
Fabia 1.4 TDI Eng.AMF (AFTER 2003) New Fabia 1.4 Tdi New Fabia 1.9 Tdi Superb 2.0 Tdi	AMF BSW BLS BMS BMP	2003 2007	1422 1896	3 4		IN	038109601E	3132	36.0	7	89.5	PN	45	K	
					EX	038109611E	3133	31.5	7	89.1	PN	45	K		
						IN EX	037 103 419B 037 103 419B	G52470 G52470	12.06 12.06	6.98 6.98	36.5 36.5				Br Br
SKODA DIESEL															
Superb V6 30V	AMK BBG	2001	2771	V6		IN	059109601G	3138	28.6	6	99.3	PN	45	K	
					EX	059109611K	3139	26.8	6	99.2	PN	45	K		
															
SKODA DIESEL															
Octavia 2.0 Tdi RS 16V	CBAA CBAB CBBA CBBB	2007	1968	4		IN	03L109601	3142	28.1	6	99.3	PN	45	K	
					EX	03L109611	3143	26.0	6	99.1	PN	45	K		
															













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
SKODA DIESEL															
Yeti 1.6 Tdi	CAYC	2010	1199	3		IN	03L109601A	3144	26.5	6	99.3	PN	45	K	
Yeti 2.0 Tdi	CFWA		1598	4				04L109601A							
Octavia 1.6 Tdi	CLCA														
Roomster 1.2 TDi	CFHA														
Roomster 1.6 Tdi	CFHF					EX	03L109611A	3145	24.4	6	99.1	PN	45	K	
Superb 1.6 Tdi	CUSA						04L109611A								
Fabia 1.2 Tdi	CUSB														
Fabia 1.6 Tdi	CUTA														
															
SMART															
Fortwo Turbo 1.0	M132930	2008	999	3		IN	1320530001	3248	28.0	5	85.5	CV	45	A	
								1010A124							
						EX	1320530005	3249	25.0	5	86.9	PN	45	A	
							1011A078								
															
SMART															
Smart	M160910	1998	599	3		IN	1600530001	3250	30.1	6	89.2	PN	45	A	
Smart City		2002	698												
Fortwo		2003													
Roadster		2004													
Crossblade 600						EX	1600500027	3251	24.9	6	89.4	PN	45	A	
															
SMART															
Smart Fourfour 1.1 12V	M134E11	2004	1124	3		IN	1350530001	3261	30.4	5	89.5	CV	45	A	
Smart Fourfour 1.3 16V	M135E13		1332	4											
Smart Fourfour 1.5 16V	M135E15		1499												
						EX	1350530005	3262	25.4	5	90.9	CV	45	A	
															
SMART DIESEL															
Smart 800 Dci	OM660	1999	799	3		IN	6600530101	2796	27.6	6	91.2	PN	45	K	
						EX	6600530005	2797	25.2	6	91.2	PN	45	K	
															
SMART DIESEL															
Fourfour 1.5 Dci	OM639	2004	1493	3		IN	05175396AA	4218	28.5	6	102.3	PN	45	K	
						EX	05175397AA	4219	25.4	6	102.3	PN	45	K	
						IN		G5S2816	11.56	6	34.4				MS
						EX		G5S2816	11.56	6	34.4				MS













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
SOLARIS																	
Vacanza 12	XE 250 C XE 280 C	2002 2005	12580	6		IN	1342220	1178	45.5	9	163.3	PN	20	A			
							EX	1362696	1179	42.4	9	158.4	PN	45	A		
						IN	1313683	G52835	15.06	9	77			Gh			
						EX	1313683	G52835	15.06	9	77			Gh			
SOLARIS																	
Urbino 18	D 2866 LOH 25	1999	11967	6		IN	51041010478	1625	58.0	12	142.5	PN	30	A			
							EX	51041010479	1626	51.0	12	142.5	PN	45	A		
						IN	51032010088	G52049	18.03	12.03	64			Gh			
						EX	51032010088	G52049	18.03	12.03	64			Gh			
SOLARIS																	
Urbino 9 Urbino 12 Urbino 15	D 0824 LOH 05 D 0826 LOH 18 D 0826 LOH 17	1999	4580 6871	4 6		IN	51041010425	1630	49.0	10	136.6	PN	30	A			
							EX	51041010410	1631	42.0	10	136.3	PN	45	A		
						IN	51032011052	G52162	16.03	10	65			Gh			
						EX	51032011053	G52163	16.03	10	55			Gh			
SOLARIS																	
Vacanza 12 Vacanza 13	MX 300	2005	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A			
							EX	1678541	2291	42.5	10	168.6	PN	30	A		
																	
SOLARIS																	
Alpino	ISBe4 250B	2007	6728	6		IN	1404919	5626	33.0	7	124.6	PN	30	A			
							EX	1404918	5627	33.0	7	124.3	PN	45	A		
																	
SSANG YOUNG																	
Korando E 2.0 Korando E 2.3 Korando E 3.2 Musso E 2.0 Musso E 3.2 MJ E 2.0 16V MJ E 2.3 16V Rexton 3.2 i V6 24V Eng.Mercedes	E20 E23 E32	1999	1998 2295 3199	4 6		IN	1110531101	2772	35.0	7	101.5	PN	45	A			
							EX	1110501227 1110501257	2773	31.0	7	103.5	PN	45	A		
						IN		G52453	12.56	7.02	37.5			Gh			
						EX		G52453	12.56	7.02	37.5			Gh			



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
SSANG YOUNG																		
Kyron	DDT		1998	4		IN	6650500427	3290	30.4	6	109.1	PN	45	K				
						EX	6650530401	3291	27.6	6	108.8	PN	45	K				
																		
SSANG YOUNG DIESEL																		
Korando 2.3 TD Korando 2.9 TD Musso 2.3 TD Musso 2.9 TD MJ 661 2.3 TD Rexton 2.9 Tdi Istana Furgonato	OM601 OM661 OM602 OM662	1999 2001	2299 2874	4 5		IN	6010531501 6010531901	2747	38.0	8	106.4	PN	45	A				
						EX	6010502527 6010502827	2748	35.0	9	106.4	PN	45	A				
																		
						IN		G52099	14.03	8	39.5							Gh
EX		G52101	14.03	9	37.5								Gh					
SSANG YOUNG DIESEL																		
MJ 2.9 TD		2001	2874	5		IN	6010531801	3292	38.0	8	105.5	CV	45	A				
						EX	6010502627	3293	35.0	9	105.5	PN	45	A				
																		
STEYR DAIMLER PUCH																		
280 GE 4x4 Eng. M 110 110.994 (115 KW)	M110	1983	2746	6		IN	1100500726	2723	45.2	9	115.0	CV	45	A				
						EX	1170500127 1170500027	2729	39.1	9	118.2	PN	45	A				
																		
IN	110 050 53 24	G52275	14.04	9	51.5								Ra					
EX	110 050 65 24	G51311	15.04	11	54								Ra					
STEYR DAIMLER PUCH																		
200 GE 4x4 Eng. M 102 102.964 (80 KW)	M102	1982 1984	1997	4		IN	1020531601 1020531801	2737	43.0	8	114.9	PN	45	A				
						EX	1020500327	2738	39.0	9	115.8	PN	45	A				
																		
IN	102 050 17 24	G52067	14.04	8	46								Ra					
EX	102 050 18 24	G52069	14.04	9	51								Ra					
STEYR DAIMLER PUCH																		
230 GE 4x4 Eng. M 102 102.981 / .998 102.958 / .987 (79/92 KW)	M102	1984	2299	4		IN	1020531501 1020531701	2739	46.0	8	115.0	PN	45	A				
						EX	1020500327	2738	39.0	9	115.8	PN	45	A				
																		
IN	102 050 17 24	G52067	14.04	8	46								Ra					
EX	102 050 18 24	G52069	14.04	9	51								Ra					



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
STEYR DAIMLER PUCH																	
300 GSE 4x4 Eng. M 103E (125 KW)	M103E	1989	2960	6		IN	1030531301	2745	43.0	8	110.3	PN	45	A			
							1030532001										
							EX 1030501727	2746	39.0	9	110.9	PN	45	A			
							1030500527										
						IN	103 050 03 24	G52125	14.04	8	42				Ra		
					EX	103 050 07 24	G52127	14.04	9	48					Ra		
STEYR DAIMLER PUCH																	
G 230 4WD Eng. M 104.996 (115 KW)	M104	1993	3199	6		IN	1110530201	2770	35.0	7	101.5	PN	45	K			
							EX 1110500527	2771	31.0	7	103.5	PN	45	K			
						IN	606 053 02 30	G52453	12.56	7.02	37.5				Gh		
					EX	606 053 02 30	G52453	12.56	7.02	37.5					Gh		
STEYR DAIMLER PUCH DIESEL																	
Eng. OM 616 616.936 / .938 240 GD 4x4 Eng. OM 617 617.931 / .932 300 GD 4x4 (53/65 KW)	OM616 OM617	1979	2399 2998	4 5		IN	6160530301	0163	39.8	10	131.5	CV	30	VA			
							6160530401										
							EX 6160500027	0164	34.2	10	131.0	PN	30	VA			
							6160500527										
						IN	616 053 03 29	G50108	14.03	10	60				Gh		
					EX	621 053 36 30	G50110	14.03	10	48.5					Gh		
STEYR DAIMLER PUCH DIESEL																	
Eng. OM 602 602.930 250 GD 4x4 (66 KW)	OM602	1985	2497	5		IN	6010530401	2747	38.0	8	106.4	PN	45	A			
							6010531201										
							EX 6010501227	2748	35.0	9	106.4	PN	45	A			
							6010502127										
						IN		G52099	14.03	8	39.5				Gh		
					EX		G52101	14.03	9	37.5					Gh		
SUBARU																	
Justy 1.3 i 16V (50 KW) Eng. G13BA Suzuki	G13BA	2002	1298	4		IN	1291182010	2540	36.0	7	115.5	CV	45	A			
							EX 1291582062	2541	30.0	7	114.6	PN	45	A			
						IN		G52611	12.05	7	48				Gh		
					EX		G52611	12.05	7	48					Gh		
SUBARU																	
Justy G3X 1.3 16V Eng. M13A	M13A	2004	1328	4		IN	1291154G00	2936	30.0	5.5	101.0	PN	45	A			
							EX 1291554G50	2937	25.0	5.5	99.0	PN	45	A			
																	



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
SUBARU																
Legacy Impreza 2.0 Sport Look Forester 2.0 115CV	EJ22	1990/92 2001	1994 2212	4		IN	13201AA080	3786	32.5	6	101.0	CV	45	A		
							13201AA082									
							13201AA190									
							EX	13202AA110	3787	28.0	6	101.2	CV	45		A
13202AA112																
13202AA171																
	IN	13212-AA040	G5S2664	11.08	6	52.5								MS		
	EX	13212-AA040	G5S2664	11.08	6	52.5									MS	
SUBARU																
Impreza 1.6 AWD Impreza 1.8 Legacy 1.8 i 16V	EJ18	1989 1999	1820	4		IN	13201AA072	3794	31.0	6	101.0	CV	45	A		
							13201AA180									
							EX									13202AA102
							13202AA161									
																
SUBARU																
Impreza 2.0 GT Legacy Eng. EJ20 (85/110 KW)	EJ20	1990	1994	4		IN	13201AA250	3796	36.0	6	93.2	CV	45	A		
							EX									13202AA281
							13202AA270									
	IN	13212-AA040	G5S2664	11.08	6	52.5					MS					
	EX	13212-AA040	G5S2664	11.08	6	52.5							MS			
SUBARU																
Impreza 1.6 Eng. EJ16 70 Kw	EJ16	1999	1600	4		IN	13201AA420	3798	32.5	6	120.6	CV	45	A		
							EX									13202AA430
	IN	13212-AA040	G5S2664	11.08	6	52.5					MS					
	EX	13212-AA040	G5S2664	11.08	6	52.5							MS			
SUBARU																
Legacy 2.5 16V Outback 2.5 16V		2004	2457	4		IN	13201AA361	3800	36.0	6	120.6	CV	45	A		
							EX									13202AA371
																
SUBARU																
Justy 1.3 i 16V Eng. G13BB Suzuki	G13BB	2001	1298	4		IN	1291171C00	3802	29.1	5.5	92.3	PN	45	A		
							EX									1291571C50
																



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
SUBARU																
Impreza 1.5		2010	1498	4		IN	13201AA530	3804	29.3	6	104.4	CV	45	A		
							EX	13202AA560	3805	24.0	6	105.7	CV	45	A	
																
SUBARU																
Forester 2.0 16V AWD Legacy 2.0 16V Eng. EJ20J	EJ20J	2001 2004	1994	4		IN	13201AA351	3806	34.0	6	120.6	CV	45	A		
							EX	13202AA361	3807	30.0	6	121.6	CV	45	A	
																
SUBARU																
Forester 2.0T Impreza WRX Euro 3 Forester 2.5T 16V		2001 2004	1994 2457	4		IN	13201AA390 13201AA371	3808	35.9	6	104.4	CV	45	A		
							EX	13202AA400 13202AA411 13202AA412	3809	32.0	6	104.6	CV	45	A	
																
SUBARU																
Trezia 1.3 16V Eng. 1NR-FE	1NRFE	2011	1329	4		IN	1371147010	5538	28.9	5.5	103.4	PN	45	A		
							EX	1371547010	5539	24.3	5.5	104.6	PN	45	A	
																
SUBARU DIESEL																
Justy 1.3 Tdi 16V Eng. Z13DT		2003	1248	4		IN	641072	2924	21.8	6	109.2	PN	45	K		
							EX	641071	2925	21.8	6	109.2	PN	45	K	
																
						IN		G5S2805	10.03	6.02	43				MS	
						EX		G5S2805	10.03	6.02	43				MS	
SUBARU DIESEL																
Trezia 1.4 D Eng. 1ND-TV	1NDTV	2011	1364	4		IN	1371133030	3415	30.6	6	100.0	CV	45	A		
							EX	1371533040	3416	28.0	6	100.0	CV	45	A	
																



Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
SUZUKI																
GMI Metro Swift 1.0		1989/93	1000	3		IN	96060053	1380	35.0	5.5	84.1	CV	45	A		
							1291160B20									
							EX	96060054	1381	28.0	5.5	84.0	PN	45		A
								1291560B70								
																
SUZUKI																
Jimny SJ 40 Eng. F10A Cultus AA 41 / Swift 1.0-1.3 Eng. G10 1.3 GSi Samurai 1.0 - 1.3 Jimny SJ 413-SJ410 Eng. G13A (38/44 KW)	G10A G13A F10A	1983	970	3		IN	1291182000	2540	36.0	7	115.5	CV	45	A		
							1291182010									
		EX	1291582000	2541		30.0	7	114.6	PN	45	A					
			1291582062													
		1291582050														
		IN	11115-82000	G52611		12.05	7	48								
EX	11115-82000		G52611		12.05										7	
SUZUKI																
Vibra Santana	G16A	1988	1590	4		IN	1291160A10	2542	36.6	7	115.6	CV	45	A		
							EX	1291560A50	2543	32.5	7	114.5	CV	45		A
IN	11115-82000	G52611	12.05	7	48									Gh		
	EX													11115-82000	G52611	12.05
SUZUKI																
Alto 1.0		1998	993	4		IN	12911M72F10	2576	34.0	7	117.5	CV	45	A		
							EX	12915M72F10	2577	28.1	7	116.3	CV	45		A
																
SUZUKI																
New Alto 1.1 Eng. RF410	RF410	2004	1061	4		IN	12911M84420	2578	26.6	5.5	90.5	CV	45	A		
							12911M84400									
							EX	12915M84400	2579	23.4	5.5	78.1	PN	45		A
								12915M84440								
																
SUZUKI																
Liana 1.6 16V Jimny 1.3 16V Swift 1.3 16V Eng. SN413V-M13A	SN413V M13A	2001	1328	4		IN	1291154G00	2936	30.0	5.5	101.0	PN	45	A		
		EX	1291554G00	2937			25.0	5.5	99.0	PN	45	A				
			1291554G50													
																













Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.								
SUZUKI Splash 1.0 12V Splash 1.2 12V Eng.K10B-K12B	K10B K12B	2008	996 1242	3 4		IN	93193754	3628	27.5	5.5	87.5	PN	45	A									
							1291151K00 4708925																
							EX									93193762 4708933 1291587L50	3629	22.9	5.5	87.0	CV	45	A
																							







SUZUKI																												
Swift Eng. G13B Escudo Eng. G16A Baleno 1.6 12V (54.5/70 KW) Baleno 1.3 Jimny 1.3 i 16V Vitara 1.6 16V Grand Vitara 1.6 16V Carry 1.3 i 16V Wagon R 1.3 WT Eng.RB413	G13B G16B RB413	1987 1991 2000 2004	1299 1328 1590	4		IN	1291171C00	3802	29.1	5.5	92.3	PN	45	A														
							1299171C00																					
							EX									1291571000 1291571C50	3803	24.9	5.5	79.9	PN	45	A					
																IN	11115-60B11	G5S2635	11.1	5.5	32							MS
																EX	11115-60B11	G5S2635	11.1	5.5	32							















SUZUKI																							
Wagon R 1.0 Wagon R 1.2 Eng.K10A-K12A	K10A K12A	1998	996 1171	4		IN	1291173G00	3840	24.6	5.5	80.2	PN	45	A									
							EX									1291573G00	3841	21.5	5.5	81.3	PN	45	A
	IN	11115-73G01-001	G5S2761	10.6	5.5	29.4							MS										
	EX	11115-73G01-001	G5S2761	10.6	5.5	29.4								MS									

SUZUKI																							
Ignis 1.3 16V Jimny 1.3 16V Eng.M16A	M16A	2001 2004	1328	4		IN	1291169G00	3842	30.0	6	100.8	PN	45	A									
							EX									1291569G50	3843	25.0	6	99.0	PN	45	A
	IN	11115-54G00-001	G5S2771	10.6	5.5	40							MS										
	EX	11115-54G00-001	G5S2771	10.6	5.5	40								MS									

SUZUKI																							
Baleno 1.8 16V Eng.G18	G18	1994	1840	4		IN	1291186FA0	3848	33.0	6	86.2	CV	45	A									
							EX									1291586F50	3849	28.0	6	85.9	CV	45	A
																							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.		
SUZUKI																	
Swift IV 1.2 16V Splash 1.2 16V Eng.K12BWT	K12BWT	2010	1242	4		IN	1291169L00	3852	27.5	5	87.5	CV	45	A			
							EX	1291569L00 1291569LGO	3853	22.9	5	87.1	PN	45	A		
SUZUKI DIESEL																	
Vitara 1.9 DDIS	F9Q	2007	1870	4		IN	1291067JG0	0726	35.3	7	110.9	PN	45	A			
							EX	1291567JG0	0727	32.6	7	110.7	PN	45	A		
SUZUKI DIESEL																	
Baleno 1.9 TD Vitara 1.9 TD	XUD9TE	1998	1905	4		IN	1283266G00 1291166G00 1291186CA0	0816	38.5	8	112.5	PN	45	A			
							EX	1291566G00 1291586CA0	0821	33.0	8	112.0	PN	45	A		
						IN		G52434	14.05	8.01	48				Br		
						EX		G52434	14.05	8.01	48				Br		
SUZUKI DIESEL																	
Vitara 2.0 Tdi	RHZ	2001	1998	4		IN	094895	0856	35.6	6	107.1	PN	45	K			
							EX	094996	0857	33.8	6	107.1	PN	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS		
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS		
SUZUKI DIESEL																	
Vitara 2.0 Tdi 16V	RHW	2002	1998	4		IN	0948C0	0881	29.9	6	106.2	PN	45	K			
							EX	0949A9	0882	25.0	6	106.2	PN	45	K		
						IN	0220-A2	G5S2750	10065	6.01	41.5				MS		
						EX	0220-A2	G5S2750	10065	6.01	41.5				MS		
SUZUKI DIESEL																	
Jimny 1.5 DDIS		2004	1461	4		IN	7701473184	1702	33.4	6	101.0	PN	45	K			
							EX	7701473183	1703	28.9	6	100.8	PN	45	K		
																	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
SUZUKI DIESEL																
Vitara 2.0 TD	RF	1994	1998	4		IN	RF0112111	1710	41.0	8	106.9	PN	45	A		
							EX	0112121B	1711	36.0	8	106.8	PN	45	A	
							IN		G552731	11.05	6.01	39				MS
							EX	011-10-290	G52346	14.03	8.03	37.7				Gh
SUZUKI DIESEL																
Liana 1.4 DDiS	RB414D	2004	1398	4		IN	1291173J00	2256	24.3	5.5	96.4	PN	45	K		
							EX	1291573J00	2257	22.4	5.5	96.5	PN	45	K	
							IN									
							EX									
SUZUKI DIESEL																
Wagon R 1.3 DDiS Ignis 1.3 DDiS Splash 1.3 Ddis Swift 1.3 Ddis	RB413D	2004 2008	1248	4		IN	1291185E00 12911M86J00	2924	21.8	6	109.2	PN	45	K		
							EX	1291585E00 12915M86J00	2925	21.8	6	109.2	PN	45	K	
							IN									
							EX									
SUZUKI DIESEL																
Grand Vitara 2.0 TDi			1997	4		IN	1291178E00	3850	39.4	8	106.8	PN	30	A		
							EX	1291578E00	3851	35.1	8	106.7	PN	45	A	
							IN									
							EX									
TATA DIESEL																
Indica 2.0 Tdi 16V	483DL	2007	1998	4		IN	254705125114	0816	38.5	8	112.5	PN	45	A		
							EX	4705125113	0821	33.0	8	112.0	PN	45	A	
							IN									
							EX									
TATA DIESEL																
LPS 3516 LPT 1613 LPT 1615	6 BT5.9	2007 2012	5883	6		IN	3920867	1968	45.0	8	129.2	PN	30	A		
							EX	3920868	1969	42.0	8	129.0	PN	45	A	
							IN									
							EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
TEMSA															
Diamond 14	D 2066 LOH 04	2006	10518	6		IN	51041010574	1798	40.0	9	160.4	PN	30	K	
						EX	51041010546	1799	38.0	9	160.4	PN	45	K	
															
TEMSA															
Tourmalin 12 Tourmalin 13	PR 228 S	2006	9260	6		IN	1345509	1844	40.5	9	157.7	PN	20	A	
						EX	1352127	1845	37.0	9	155.1	PN	45	A	
							IN	1313683	G52835	15.06	9	77			
						EX	1313683	G52835	15.06	9	77				Gh
TEMSA															
Safari 12 HD Safari 13 HD Safir Safir Vip Safir Plus Safir Plus Vip	MX 300	2009 2010	12900	6		IN	1684513	2290	45.5	10	169.3	PN	20	A	
						EX	1678541	2291	42.5	10	168.6	PN	30	A	
															
TEMSA															
Tourmalin 12 Tourmalin 13	ISBe4 300	2006	6728	6		IN	3940735	5626	33.0	7	124.6	PN	30	A	
						EX	3940734	5627	33.0	7	124.3	PN	45	A	
															
TOYOTA															
Mark II / ToyoAce / Corona HiAce / TownAce Hi Lux 1600 Torveno 1.6 TownAce 1.6(48 KW)	12 R	1977	1587	4		IN	1371131050	0724	40.0	8	109.0	PN	45	A	
						EX	1371531070	0725	34.0	8	109.0	PN	45	A	
							IN	11122-23010	G51400	14.04	8	50			
						EX	11122-23010	G51400	14.04	8	50				Gh
TOYOTA															
Camry / Carina / Chaser / Celica / Corona / Cresta / Mark II / Vista 1800 Camry / Vista	1S 2S	1981/86 1982/86	1832 1995	4		IN	1371163010	1767	40.0	8	109.7	PN	45	L	
						EX	1371563011 1371563010	1768	34.0	8	109.3	PN	45	L	
															









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	L	M.
TOYOTA															
Corolla	12T	1970	1407	4		IN	1371125011	1779	41.0	8	109.0	CV	45	L	
Celica	13T	1976	1588												
Carina		1978	1770												
Sprinter 1400		1979													
Corona						EX	1371525011	1780	36.0	8	109.0	CV	45	L	
Sprinter															
Torveno															
TownAce															
Chaser															
Cresta															
LiteAce															
Mark II 1800															













TOYOTA															
Corona	18R	1972	1969	4		IN	1371134010	1789	41.0	8	113.2	CV	45	L	
Chasel															
Cressida															
HiAce															
Mark II						EX	1371538020 1371534010 1371534032	1782	36.0	8	113.2	PN	45	L	
Carina															
HiLux															
Celica 2000															
						IN	11122-33011	G51332	14.04	8.01	53				Gh
						EX	11122-38021	G51936	13.04	8	57				Gh









TOYOTA															
Yaris 1.0	1SZFE	1999	998	4		IN	1371123030	1810	26.0	5	88.2	CV	45	A	
Yaris 1.0 16V	2SZFE	2004	1296					137110J010 1371197401							
Yaris 1.3 16V		2006													
						EX	1371597401 1371523030 137150J010	1811	22.6	5	89.2	CV	45	A	
						IN	11124-87101	G52691	12.08	6.6	55				Gh
						EX	11128-87101	G52692	12.08	6.6	55				Gh













TOYOTA															
Yaris 1.3 16V	1NZFE	2001	1299	4		IN	1371121010	1812	30.5	5	89.2	CV	45	A	
Yaris 1.5 16V	2NZFE		1497												
Prius 1.5 16V															
Allian 1.5															
Auris 1.5						EX	1371521010	1813	25.4	5	88.0	CV	45	A	
Corolla 1.5															
Corolla 1.5 SW															
Rumion 1.5															
Verso 1.5															
Platz 1.3															
Will 1.3															
Ractis 1.5															
Sienta 1.5															
Spade 1.5															

















TOYOTA															
MR2 1.8 i 16V WT	2ZZFE	2001	1398	4		IN	137110D020	1814	31.0	5.5	88.7	CV	45	A	
Celica 1.8 i 16V WT	3ZZFE	2004	1598					1371122040							
Corolla 1.4 16V	4ZZFE		1794												
Auris 1.4															
Corolla 1.6 16V						EX	1371522040 137150D010 137150D020	1815	26.1	5.5	88.7	CV	45	A	
Avensis 1.8 16V															
Avensis 1.6 16V															
Rav4 1.8i WT															
						IN	11122-20020	G52699	10.34	5.51	34.5				Gh
						EX	11122-20020	G52699	10.34	5.51	34.5				Gh







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
TOYOTA																
Rav 4 2.0 16V Avenis 2.0 16V	1AZFE 1AZFSE 2AZFE	2000 2009	1998	4		IN	1371128030 1371128010	1816	33.9	5.5	101.7	CV	45	A		
						EX	1371528030 1371528010	1817	29.5	5.5	101.1	CV	45	A		
						IN	11122-28010	G52698	10.34	5.51	38.4					Gh
						EX	11126-20020	G52743	10.34	5.51	40.5					Gh
TOYOTA																
IQ 1.0 Aygo 1.0 WT Yaris 1.0	1KRFE	2005 2009 2010	998	3		IN	1371140040	2253	27.4	5	88.4	CV	45	A		
						EX	1371540040	2254	23.6	5	89.2	CV	45	A		
						IN										
						EX										
TOYOTA																
Coaster Massy Dyna Tractor FB Bus Fork File		1981 1992	2366			IN	1371135010	2552	45.0	8	113.5	PN	45	L		
						EX	1371535020	2553	37.0	8	112.3	PN	45	L		
						IN	11122-38021	G51936	13.04	8	57					Gh
						EX	11122-38021	G51936	13.04	8	57					Gh
TOYOTA																
Town Ace Lite Ace / Master Ace HiAce / HiLux / Master Ace / Town Ace	1Y 2Y 3Y	1983	1626 1812 1998	4		IN	1371171010	2558	40.1	8	108.3	PN	45	A		
						EX	1371571010	2559	36.0	8	108.6	PN	45	A		
						IN										
						EX										
TOYOTA																
Hiace Coaster	2TRFE	2008	2693	4		IN	1371175110	3830	37.5	5.5	106.4	PN	45	A		
						EX	1371575100	3831	31.6	5.5	106.9	PN	45	A		
						IN										
						EX										
TOYOTA																
Starlet Starlet Corolla 12V EP 71 / 76 / 81 Tercel (40/55/68 KW) Eng.1EL3-2EL2E	EP71 1EL3 2EL2E	1984 1985 1987 1991 1993	999 1296	4		IN	1371210010	5125	21.0	6	98.5	PN	45	A		
						IN	1371110020	5123	30.0	6	92.4	CV	45	A		
						EX	1371510030	5124	31.0	6	92.5	CV	45	A		
						IN										

















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
TOYOTA																
Paseo Tercel / corsa / Cyros 16V (85 KW) Corolla 1.3 16V	4EFE	1992 1992/93	1332 1496 1497	4		IN	1371111012	5126	28.5	6	93.5	CV	45	A		
							1371111011									
							EX 1371511030	5117	24.5	6	94.0	CV	45	A		
						IN	11122-10040	G52206	11.04	6.01	40.5				Gh	
						EX	11122-10040	G52206	11.04	6.01	40.5				Gh	
TOYOTA																
Rav 4 Eng.2GRFE Land Cruiser Prado	1GRFE 2GRFE	2009 2010	3456 4461	v6 v8		IN	1371131100	5494	38.0	5.5	105.9	CV	45	A		
							EX 1371531120	5495	32.0	5.5	110.4	CV	45	A		
																
TOYOTA																
Landcruiser 100 4.7 V8 GS 430 WT LS 430 WT	2UZFE 3UZFE	2000	4664 4293	6 8		IN	1371150060	5496	34.5	5.5	95.1	CV	45	A		
							EX 1371550060 1371550070	5497	29.0	5.5	95.1	PN	45	A		
																
TOYOTA																
Lexus IS 200	1GFE	1999	1988	6		IN	1371170060	5498	29.5	5	91.7	CV	45	A		
							EX 1371570080	5499	25.0	5	91.8	CV	45	A		
																
TOYOTA																
Corolla 1.6 16V Corolla Sedan / Wagon Celica	4AF	1987/90 1989	1587	4		IN	1371115030	5502	30.0	6	91.3	CV	45	A		
							EX 1371515030	5503	24.5	6	91.9	CV	45	A		
																
TOYOTA																
Cressida / Supra 24V Supra Turbo (150 KW)	7MGE	1988 1992	2954	4		IN	1371142020	5504	32.0	6	98.2	CV	45	A		
							EX 1371542010	5505	27.5	6	98.3	CV	45	A		
						IN	11122-42010	G52348	11.04	6.01	37				Gh	
						EX	11122-16020	G52349	11.04	6.01	40.5				Gh	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
TOYOTA																
Camry / celica / MR2 (88 KW)	3SFE	1987 1991 1992	1998	4		IN	1371174040 1371174020	5506	32.0	6	100.7	CV	45	A		
						EX	1371574020	5507	27.0	6	100.5	CV	45	A		
						IN	11122-74030	G52666	11.03	6.01	38.5					Gh
						EX	11122-16010	G52667	11.03	6.01	40.5					Gh
TOYOTA																
Camry ES 250 (118 KW)	2VZFE	1989 1990 1991	2506	6		IN	1371162020	5512	33.0	6	96.1	CV	45	A		
						EX	1371562020	5513	27.2	6	96.2	PN	45	A		
TOYOTA																
P.U. 2WD / 4WD 4 Runner 2WD / 4WD T 100 4 Runner 3.0 V6 Eng. 3VZ - E (105 KW)	3VZFE	1988 1988 1993	2959	4 6		IN	1371165010	5514	42.0	8	104.3	CV	45	A		
						EX	1371565010	5515	34.9	8	104.0	CV	45	A		
TOYOTA																
Camry V6 24V 3.0 ES 300 Eng. 3VZ - FE	3VZFE	1992 1992 1998	2957	6		IN	1371162030	5516	34.0	6	95.2	CV	45	A		
						EX	1371562030 1371562040 1371562050	5517	27.3	6	95.0	CV	45	A		
TOYOTA																
Lexus ES 300 Lexus RX 300 WT Eng. 1MZFE	1MZFE	1996	2995	6		IN	1371120020	5522	34.0	5.5	95.2	CV	45	A		
						EX	1371520020	5523	27.3	5.5	95.3	CV	45	A		
TOYOTA																
Lexus GS 300 Lexus GS 300 WT			3000	6		IN	1371146022 1371146021	5524	33.5	6	98.6	CV	45	A		
						EX	1371546020	5525	29.0	6	99.1	PN	45	A		








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
TOYOTA																
Carina 2.0 Rav 4 2.0 Camry 3.0 6V Picnic 2.0 16V Funcruiser 2.0 16V DOHC Camry Celica MR2 Turbo		1990 1992 1993	1998 2959	4 6		IN	1371103020	5526	32.0	6	97.6	CV	45	A		
							1371174101									
							EX	1371503020 1371574100	5527	26.9	6	98.4	CV	45		A
TOYOTA																
Yaris 1.8 i 16V Eng.2ZRFE Auris 1.6 i 16V Eng.1ZRFE Rav 4 2.0 16V Dohc Avenis 2.0 16V Dohc	1ZRFE 2ZRFE	2006 2009	1797 1987	4		IN	1371137020	5532	32.0	5.5	109.4	CV	45	A		
							137110T010									
							EX	1371537030 137150T010	5533	27.5	5.5	108.3	CV	45		A
TOYOTA																
Celica 1.8 T Sport Corolla 1.8 16V Eng. 2ZZGE	2ZZGE	2001	1796	4		IN	1371188600	5534	34.0	5.5	111.3	CV	45	A		
							EX	1371588601	5535	29.0	5.5	111.7	CV	45		A
							IN	11122-88600	G5S2662	10.55	5.51	43				
EX	11122-88600	G5S2662	10.55	5.51	43										MS	
TOYOTA																
Avenis 1.8 WT 16V Celica 1.8 WT 16V Corolla 1.8 WT 16V Celica 1.8 MR2 1.8 WT 16V Rav 4 1.8 WT 16V Eng. 1ZZ-FE	1ZZFE	1794	2000	4		IN	1371122030	5536	32.0	5.5	88.7	CV	45	A		
							EX	1371522030	5537	27.5	5.5	88.7	CV	45		A
							IN	11122-20020	G52699	10.34	5.51	34.5				
EX	11122-20020	G52699	10.34	5.51	34.5										Gh	
TOYOTA																
Verso 1.3 16V S IQ 1.3 16V Yaris II 1.3 16V Yaris III 1.3 16V Urban Cruiser 1.3 16V Eng.1NRFE	1NRFE	2011	1329	4		IN	1371147010	5538	28.9	5.5	103.4	PN	45	A		
							EX	1371547010	5539	24.3	5.5	104.6	PN	45		A
TOYOTA																
LS 400 SC 400		1990/93 1992/93		4		IN	1371150020	6094	33.5	6	95.0	CV	45	A		
							EX	1371550020	6095	28.0	6	97.0	PN	45		A

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
TOYOTA DIESEL																
Corolla 1.9 D	1WZ	2000	1868	4		IN	SU00100100	0816	38.5	8	112.5	PN	45	A		
							EX	SU00100101	0821	33.0	8	112.0	PN	45	A	
																
TOYOTA DIESEL																
Aygo 1.4 Dt	ZWZTV DV4TD	2006	1398	4		IN	SU00100551	0894	32.8	5.5	97.3	CV	45	K		
							EX	SU00100552	0895	30.3	5.5	97.3	PN	45	K	
																
TOYOTA DIESEL																
KZJ070 3.0 D Landcruiser 3.0 TD	1KZ-T	1998	2446 2982	4 6		IN	1371154020	1790	42.5	8	103.5	PN	45	A		
							EX	1371567020	1795	37.1	8	103.5	PN	45	A	
																
TOYOTA DIESEL																
Corolla 2.0 D Avensis 2.0 D Previa 2.0 D RAV 4 2.0 Tdi	1CDFTV	2000	1995	4		IN	1371127010	1818	28.0	6	102.6	PN	45	A		
							EX	1371527010	1819	24.0	6	102.0	PN	45	A	
																
TOYOTA DIESEL																
Landcruiser 4.2 TDI	1HDFTE	1998	4164	8		IN	1371117020 1371117021	1820	33.0	7	127.2	PN	45	A		
							EX	1371517030	1821	30.5	7	127.3	PN	45	A	
																
TOYOTA DIESEL																
Coaster Dyna Route Fork Shovel ToyoAce	2J	1981	2481	4		IN	1371148010	2546	40.5	9	120.7	PN	45	A		
							EX	1371548010	2547	33.5	9	120.7	PN	45	A	
								IN	11122-46010	G51767	14.04	9.02	56			
	EX	11126-46010	G51768	14.04	9.02	60				Gh						
TOYOTA DIESEL																
Camry / Corona / Corolla / Sprinter / TownAce / Vista 1800 TownAce 2000 HiLux / ToyoAce (48/53 KW)	1C 2C	1981 1983 1985	1839 1974	4		IN	1371164011 1371164010	2548	38.5	8	105.5	PN	45	A		
							EX	1371564010	2549	32.5	8	106.5	PN	45	A	
								IN	11126-24020	G51448	13.04	8.01	50			
	EX	11126-24020	G51448	13.04	8.01	50				Gh						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
TOYOTA DIESEL																
Avensis 2.0 TD Picnic 2.2 TD Corolla 2.0 D	2CTE 3CTE	1998	1975 2184	4		IN	1371164030	2548	38.5	8	105.5	PN	45	A		
							1371164020									
							EX	1371564030 1371564040	1794	32.4	8	105.3	PN	45		A
							IN EX	11122-64010 11126-64030	G52703 G52704	13.04 13.04	8015 8.01	46 50				
TOYOTA DIESEL																
Corolla 1.4 D4-D Yaris 1.4 Tdi Auris 1.4 D IQ 1.3 Tdi Urban Cruiser 1.4 TD	1NDTV	2002 2004 2010	1364	4		IN	1371133030	3415	30.6	6	100.0	CV	45	A		
							1371133031									
							EX	1371533040 1371533041	3416	28.0	6	100.0	CV	45		A
							IN EX	11122-30020 11122-30020	G52701 G52701	11.09 11.09	6.01 6.01	40.6 40.6				
TOYOTA DIESEL																
5L Hiace	1KZTE		3000	4		IN	1371154030	3814	42.5	8	104.2	PN	45	A		
							1371105020									
							EX	1371554050	3815	36	8	103.9	PN	45		A
							IN EX									
TOYOTA DIESEL																
Hi-Lux 2.5 D-4D	2KDFTV		2494	4		IN	1371130040	3832	30.5	6	105.6	PN	45	A		
							137110L010									
							EX	1371530040 137150L010	3833	26.5	6	105.8	PN	45		A
							IN EX									
TOYOTA DIESEL																
Rush 1.5 16V Vios Soluna Vios	3SZVE	2008	1500	4		IN	13711B1020	3834	27.5	5	88.1	PN	45	A		
							EX	13715BZ010	3835	23.4	5	89.0	PN	45		A
							IN EX									
TOYOTA DIESEL																
Auris 2.0 16VD-4D Avensis 2.2 D 16V RAV 4 2.2 D 136 CV RAV 4 2.2 177 CV Corolla Verso 2.2 16V D	1ADFTV 2ADFTV	2006 2009 2011	2230	4		IN	137110R010	5492	30.1	6	104.5	PN	45	A		
							1371151030									
							EX	137110R010 1371551030	5493	27.0	6	104.1	PN	45		A
							IN EX									

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
TOYOTA DIESEL															
Landcruiser 90 3.0 Eng. 1KZTE	1KZTE	2001	2982	4		IN	1371154040	5550	42.4	8	104.2	PN	45	A	
						EX	1371567040	5551	37.0	8	104.2	PN	45	A	
															
TOYOTA DIESEL															
Landcruiser 95 3.0 Land Cruiser Prado	1KDFTV	2001 2010	2982	4		IN	1371130030	5552	32.2	6	105.4	PN	45	A	
						EX	1371530030	5553	27.7	6	105.4	PN	45	A	
															
UTOS UNIVERSAL															
U 650 Tractor		1966		4		IN	10302117	1860	41.0	11	167.5	PN	45	FB	
						EX	10302118	1861	37.0	11	167.5	PN	45	FB	
															
UTOS UNIVERSAL															
U 450		1966		4		IN	D02711	1864	43.5	11	169.0	PN	45	FB	
						EX	D022005	1865	37.0	11	168.5	PN	45	FB	
							IN		G51884	18.17	11	85			
EX		G51884	18.17	11	85					Gh					
UTOS UNIVERSAL															
MTZ - 50						IN	501007014	1920	48.0	11	158.5	PN	45	B	
						EX	501007015	1921	42.0	11	158.5	PN	45	B	
															
UTOS UNIVERSAL															
MTZ - 50				4		IN	4753526630	4400	47.8	11	157.8	PN	30	B	
						EX	4753421198	4401	41.8	11	157.8	PN	45	B	
															
VAN HOOL															
Acron TX 16 450	DC 13.124	2015	12742	6		IN	1886246	1008	44.0	10	171.6	PN	20	A	
						EX	1886247	1009	41.0	10	171.6	PN	45	A	
							IN	1403823	G52634	16.01	10	73			
EX	1403823	G52634	16.01	10	73					Gh					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
VAN HOOL															
A-Serie A 300 A-Serie A 360 A-Serie A 600 A-Serie AG 300 A-Serie AG 500 Eos 90. 90L Eos 100 Eos 200. 200 L Eos 223	D 2866 LOH 25 D 2866 LOH 07	1992 1997 2004	11967	6		IN	51041010478	1625	58.0	12	142.5	PN	30	A	
						EX	51041010479	1626	51.0	12	142.5	PN	45	A	
						IN	51032010088	G52049	18.03	12.03	64				Gh
						EX	51032010088	G52049	18.03	12.03	64				Gh
VAN HOOL															
A-Serie A 300 A-Serie A 308 A-Serie A 320 A-Serie A 330 A-Serie A 360	D 0836 LOH 01 D 0836 LOH 03	2004	6871	6		IN	51041010425	1630	49.0	10	136.6	PN	30	A	
						EX	51041010410	1631	42.0	10	136.3	PN	45	A	
						IN	51032011052	G52162	16.03	10	65				Gh
						EX	51032011053	G52163	16.03	10	55				Gh
VAN HOOL															
Serie 9 913 CL Serie 9 915 CL Serie 9 915 TL	D 2866 LUH 24	2005	11967	6		IN	51041010547	1635	46.0	9	153.6	PN	30	K	
						EX	51041010548	1636	46.0	9	153.7	PN	45	K	
VAN HOOL															
A-Serie A 330 A-Serie AG 300 T-Serie T 911	PR 228 S PR 265 S	2006	9200	6		IN	1345509	1844	40.5	9	157.7	PN	20	A	
						EX	1352127	1845	37.0	9	155.1	PN	45	A	
						IN	1313683	G52835	15.06	9	77				Gh
						EX	1313683	G52835	15.06	9	77				Gh
VAN HOOL															
A-Serie A 300 CNG A-Serie A 320 CNG A-Serie A 330 CNG A-Serie AG 300 CNG	E 2866 DUH 03	2005	11967	6		IN	51041010438	2347	58.0	12	142.5	PN	30	A	
						EX	51041010439	2348	51.0	12	142.5	PN	30	A	
VAUXHALL															
Adam 1.2 Adam 1.4 Adam 1.4 LPG Agila 1.0 12V Agila 1.2 16V Agila 1.2 16V Twinport Astra 1.2 16V Astra 1.4i 16V Astra Van 1.4 Astra 1.4 Turbo Cascada 1.4 Combo Tour 1.4 Corsa 1.0i 12V Corsa 1.2 16V Corsa 1.2 16V Dual fuel Corsa 1.2 Twinport Corsa Van 1.2 1	A10XEP A12XEL A12XER A14NEL A14NET A14XER X10XE X12XE Z10XE Z10XEP Z12XE Z14XEL Z14XEP	2000 2003 2004 2005 2009 2010 2011 2012	973 998 1199 1229 1364 1398	3 4		IN	09158477 90529527	2068	28.0	5	93.8	CV	45	K	
						EX	09158474 90529529	2069	25.0	5	93.8	CV	45	K	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.			
VAUXHALL																		
Astra 1.8i 16V	C18XE	1993	1799	4 6		IN	90412277	2170	32.0	6	102.1	PN	45	K				
Astra 2.0i 16V	C18XEL	1994	1998															
Astra 2.0 Turbo	C25XE	1996	2198															
Calibra 2.0i 16V	X18XE	2001	2498															
Calibra 2.0i 16V 4x4	X20XER	2003	2597			EX	90410813	2171	29.0	6	92.2	PN	45	K				
Calibra 2.5i 16V	X20XEV	2005	2962															
Frontera 2.2i	X22XE	2006	3175															
Omega 2.0 16V	X22SE	2009																
Omega 2.2 16V	X25SE																	
Omega 2.5 V6	X30XE																	
Omega 2.6 V6	Y22SE																	
Omega 3.0 V6	Y22XE																	
Omega 3.2 V6	Y26SE																	
Signum 3.2 V6	Y32SE																	
Sintra 2.2i 16V	Z20LEH																	
Sintra 3.0i 24V	Z20LEL																	
Vectra 1.8i 16	Z20LER																	
	Z20LET																	
	Z22XE																	
	Z32SE																	
VAUXHALL																		
Astra 2.2 16V	A20NFT	1995	1998	4		IN	641063	2192	35.1	6	102.2	CV	45	K				
Astra 2.2 16V SW	A20NHT	1998	2198															
Insignia 2.0 Turbo	Z22SE	2001																
Insignia 2.0 4x4	Z22YH	2004																
Signum 2.2i		2005				EX	641376	2193	30.1	6	100.9	CV	45	K				
Speedster 2.2i 16V		2088																
Vectra 2.2i 16V		2011																
Vectra 2.2i 16V SW		2014																
Zafira 2.2 16V																		
VAUXHALL																		
Rascal 1.0 Autobus	F10A	1986	970	4		IN	1291182010	2540	36.0	7	115.5	CV	45	A				
Rascal 1.0 Pickup																		
						EX	1291582000	2541	30.0	7	114.6	PN	45	A				
						IN		G52611	12.05	7	48				Gh			
						EX	11115-82000	G52611	12.05	7	48				Gh			
VAUXHALL																		
Frontera 3.2i	6VD1	1992	3165	6		IN	641049	2621	34.0	6	103.8	CV	45	A				
Monterey 3.2																		
						EX	641360	2622	28.9	6	103.4	CV	45	A				
VAUXHALL																		
Combo Mk III Cassone/Furgonato 1.4	A14FP	2011	1368	4		IN	46403681	2921	26.9	6	95.2	CV	45	K				
								EX	46471639	2922	22.4	6	96.0	PN	45	K		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
VAUXHALL DIESEL															
Astra 1.9 CDTi Sport Hatch	A20DTC	2005	1956	4		IN	4817354	2316	28.6	6	95.7	PN	45	K	
Astra 1.9 CDTi 16V	A20DTH	2011	1991												
Astra 1.9 CDTi SW	A20DTJ	2013													
Astra 2.0 CDTi	Z19DTH														
Astra 2.0 CDTi SW	Z19DTJ					EX	4817338	2317	24.4	6	95.7	PN	45	K	
Cascade 2.0 CDTi															
Insignia 2.0 CDTi															
Insignia 2.0 CDTi 4x4															
Insignia 2.0 CDTi Sports Tourer															
Signum 1.9 CDTi 16V															
Vectra 1.9 CDTi															
Vectra 1.9 CDTi SW															
Zafira 1.9 CDTi															
Z															

VAUXHALL DIESEL															
Vivaro Combi 1.6 CDTi	R9M413	2014	1598	4		IN	6260500500	2362	23.5	6	104.1	PN	45	K	
Vivaro Furgonato 1.6 CDTi	R9M450	2016													
						EX	6260500800	2363	23.4	6	104.0	PN	45	K	

VAUXHALL DIESEL															
Movano Combi 2.3 CDTi	M9T 676	2010	1995	4		IN	93161682	3652	27.7	6	103.9	PN	45	K	
Movano Van 2.3 CDTi	M9T 670	2013	2298												
Movano Chassis/Cab 2.3 CDTi	M9T 680	2014													
Vivaro Combi 2.0 CDTi	M9T 876	2015													
Vivaro Furgonato 2.0 CDTi	M9T 870					EX	93161681	3653	26.1	6	103.8	CV	45	K	
	M9R 630														
	M9R 780														
	M9R 782														
	M9R 784														

VOLKSWAGEN															
1200 - 1303 - 1200 L		1974	1285	4		IN	311109601	0734	35.5	8	112.0	CV	45	K	
Kombi / Bus / Transporter		1980	1584												
1303 L / LS															
1303 Cabriolet 1.6 (33/37 KW)						EX	043109611 043109611A	2603	30.0	9	112.0	CV	45	K	

VOLKSWAGEN															
Derby / Polo GL / L		1975	895	4		IN	052109601	0741	31.5	8	104.0	CV	45	A	
Derby / Polo Light / L		1977	1093												
Derby / Polo GLS / LS / S		1979	1272												
Golf / Scirocco GL / L		1981													
Golf GL / L / Formel E						EX	052109611	0742	28.0	8	104.0	CV	45	A	
Derby / Polo GLS / LS (29/37/44 KW)															
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	M.	
VOLKSWAGEN															
Jetta C / CL / GL	DL	1981	1297	4		IN	049109601K	1118	34.0	8	98.7	CV	45	K	
Passat C / L / CL		1982	1457	6		IN	049109601F								
Santana CX		1983	1588			IN	030109601F	3008	36.0	8	98.8	PN	45	K	
Golf / Jetta / C / CL / GL		1984	2384			IN	030109601B								
Scirocco GL / GLS / GT		1989	2383			IN	030109601D								
Jetta GL / GLS / GS / CL						IN	073109601D								
Passat GL / CL / C						IN	073109601A								
Variant / Formel E						EX	049109611F	1119	31.2	8	98.5	CV	45	K	
Santana CL / GL						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
Scirocco GL / CL / GT					EX	049 103 419	G51498	12.06	7.98	42.3				Br	
LT 28 / 31 / 35 / 45															
LT 28 / 31 / 35 / 45 / 50															













VOLKSWAGEN														
Golf GTI / GLI		1975/83	1588	4		IN	049109601A	1125	38.0	8	105.7	CV	45	A
Jetta CLI / GLI / GTI		1981				IN								
Scirocco GLI / GTI (81 KW)		1982/86				EX	049109611A	1126	31.2	8	105.5	CV	45	A
						IN								













VOLKSWAGEN														
Golf	AGU	1998	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K
Passat	AEB	1999				IN								
Sharan	AJH	2005				EX	058109611E	1135	29.9	6	103.9	PN	45	K
New Beetle 1.8T	AWU					IN	058 103 415	G52488	11.06	6	35.9			
Bora 1.8T	AWT				EX	058 103 415	G52488	11.06	6	35.9				Br
Passat 1.8T 20V														

VOLKSWAGEN														
Golf 1.8	AGN	1998	1781	4		IN	058109601C	1132	27.0	6	105.1	CV	45	K
Bora 1.8	ADR	1999	2771	V6		IN								
Passat 1.8	APR					EX	058109611M	1133	29.9	6	104.0	PN	45	K
Passat 2.8						IN	058 103 415	G52488	11.06	6	35.9			
					EX	058 103 415	G52488	11.06	6	35.9				Br













VOLKSWAGEN														
Routan 3.6 V6	CJRA	2014	3600	V6		IN	05184127AC	2644	39	6	116.4	PN	45	K
						IN	7B0109601B							
						EX	05184128AE	2645	30	6	115.7	PN	45	K
						IN	7B01096011B							

VOLKSWAGEN														
LT 2.3	AGL	1997	2300	4		IN	00A109601A	2772	35.0	7	101.5	PN	45	A
Eng.AGL Mercedes						IN								
						EX	00A109611	2773	31.0	7	103.5	PN	45	A
						IN								

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.	
VOLKSWAGEN																
Lupo 1.0	AHT	2000	997	4		IN	047109601F	2962	34.0	7	103.8	CV	45	K		
							EX 047109611B	2963	27.0	7	103.7	PN	45	K		
																
VOLKSWAGEN																
LT 28 / 31 / 35 / 45 / 50	IE	1989	2383	6		IN	073109601C	2967	36.0	8	88.9	PN	45	K		
							EX 073109611A	2968	31.2	8	88.9	PN	45	K		
																
VOLKSWAGEN																
Golf VII 1.2 TSI 16V	CJZA CJZB	2012	1197	4		IN	04E109601A	2976	26.4	5	110.2	PN	45	K		
							EX 04E109611K	2977	23.5	5	110.1	PN	30	K		
																
VOLKSWAGEN																
Golf VII 1.4 TSI 16V	CMBA CHPA	2012	1395	4		IN	04E109601B	2978	28.5	5	110.2	PN	45	K		
							EX 04E109611J	2979	25.0	5	110.1	PN	30	K		
																
VOLKSWAGEN																
Golf GTI / GLI Scirocco GTI / GLI / GTS Jetta / Passat GTI (82 kW)	DZ	1983	1781	4		IN	026109601	3006	40.0	8	98.7	PN	45	K		
							026109601D									
							EX 035109613	2969	33.2	8	98.0	PN	45	K		
							EX 035109611H	3007	33.2	8	98.5	PN	45	K		
							035109611F									
	IN 056 103 419A	G51227	12.06	7.98	36.5					Br						
EX 049 103 419	G51498	12.06	7.98	42.3					Br							
VOLKSWAGEN																
Polo / Derby L / CL / GL Polo / Derby S / SL / GLS Golf GL / L / Formel E Passat L / GL Polo Derby LS / GLS Golf / Jetta GLS / S / GL / L / LS Scirocco GL / GTL / L (29/37/40/44 kW)		1979 1981	895 1093 1272	4		IN	036109601	3013	34.0	8	104.0	CV	45	A		
							EX 052109611	0742	28.0	8	104.0	CV	45	A		
								IN 056 103 419A	G51227	12.06	7.98	36.5				
EX 056 103 419A	G51227	12.06	7.98	36.5					Br							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.					
VOLKSWAGEN																				
Transporter 2.5 B 115CV Corrado 2.0 i	AVT ADY	1994	2500	4		IN	048109601A	3014	39.5	8	91.9	PN	45	K						
							EX	053109611	2980	33.2	8	91.2	PN	45	K					
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br					
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br					
VOLKSWAGEN																				
Golf / Jetta Passat / Scirocco Jetta CL / GL Golf / CL / GLI Jetta / Passat / Scirocco Golf / Jetta / Passat CL / GL / GT Golf / Vento / Passat CL / GL / GT Golf / Vento / Passat CL / GL / GT / Syncro Transporter T4 / Syncro T4		1984 1985 1988 1989 1991 1993	1588 1595 1781 1994 2226	4 5		IN	035109601K	3016	38.0	8	91.9	PN	45	K						
													IN	056 103 419A	G51227	12.06	7.98	36.5		
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br					
VOLKSWAGEN																				
Golf/Vento/Passat 1.4 i 16V Passat Synchro Corrado/Golf Cabriolet Sharan Eng. ADY (74/85 KW) Bora 1.6 i New Beetle Passat 2.0 Transporter 2.0 Vento 1.6 i Vento 2.0 i	ADY AEH AQY AZM AXA AFT ADY	1990 1991 1993 1994 1995 1999 2000 2004	1588 1984	4		IN	078109601B	3038	39.5	7	91.9	CV	45	K						
													IN	037 103 419B	G52470	12.06	6.98	36.5		
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br					
VOLKSWAGEN																				
Golf / Jetta CLI / GTI Golf / Jetta GTI Scirocco GT / GTL / GTX Golf / Jetta CL/GL/GT/GTI Passat CL / GL / GT Golf GTI G60 Passat / Corrado GTI G60 Passat Synchro Golf GTI Vento GL / GT / CL Golf Cabrio Transporter / Multivan / Caravelle		1985 1988 1989 1990 1991 1993	895 1781 1984 1968 2459	4 5		IN	026109601C	3042	40.0	8	91.0	PN	45	K						
													IN	056 103 419A	G51227	12.06	7.98	36.5		
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br					
VOLKSWAGEN																				
Golf / Vento / Passat Golf GTI Eng.PB Passat Variant Passat Synchro Transporter / Multivan / Caravelle Transporter Synchro T4 (62/74/81 KW)	PB	1990 1991 1994	1588 1968 1984 2459	4 5		IN	026109601C	3042	40.0	8	91.0	PN	45	K						
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br					
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br					

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.							
VOLKSWAGEN																						
Passat GL5 / CL / Variant Santana CL5 / GL5 Golf C / CL / GL / Cabriolet Jetta / Passat / C / CL / GL Santana CX / GX / LX Scirocco GT / GTL Golf Carat Passat CL Santana LX (55/66/85 KW)		1981 1984	1295 1781 1921	4 5		IN	035109603	3048	38.0	8	98.7	PN	45	K								
							035109601C															
							035109601F															
												EX	035109611H 035109611F	3007	33.2	8	98.5	PN	45	K		
VOLKSWAGEN																						
Polo 1.2 Tsi 16V Tiguan 1.4 Tsi 16V Eng.BWK-CAVA-CAVE-CAXA-CTHA-CTHD Golf VI 1.4 TSi Eos 1.4 TSI Scirocco 1.4 TSI Eng.CAVD	BWK CAVA CAVD CAVE CAXA CTHA CTHD	2012	1200 1400	4		IN	036109601AL	3052	29.5	6	100.5	PN	45	K								
												EX	036109611K 036109611K 036109611AE	3103	26.0	6	100.6	PN	45	K		
VOLKSWAGEN																						
Over Sized Head 1302 1300 - 1300 L 1303 - 1303 L 1500 A/N - 1600/1600 A Variant / Transporter 1500 S / Variant 1300 LS / S - 1302 S 1303 L / S 1600 A / I / TL / Variant (33/37/40 KW)		1963 1963 1965 1967 1970 1972 1975	1285 1493 1584	4		IN	041109601	3053	40.0	8	112.0	CV	45	K								
												IN	311109601	0734	35.5	8	112.0	CV	45	K		
												IN	40109601									
												EX	041109611	3054	35.8	8	112.0	CV	45	K		
												EX	113109612A									
													311109612 311109612A	0735	31.9	8	112.0	CV	45	K		
						IN 113 101 402	G50431	12.06	7.97	64.5					Br							
					EX 113 101 416	G50435									12.06	7.97	65.5					Br
VOLKSWAGEN																						
Golf / Jetta CL / GL Coupé GL Polo 1.0 Fox Oxford / Polo C Polo CL / GT / Coupé Golf 9 / Jetta 1.3 GL / CL Polo G 40 / Coupé Polo C / CL / GT Formel E Glof CL / GL (33/37/40/44/56/83 KW)		1985 1987 1990 1991	1043 1272 1391	4		IN	030109601	3061	34.0	8	99.0	PN	45	K								
												IN	030109601C 030109601D 030109601F 073109601A 073109601D 030109601B	3008	36.0	8	98.8	PN	45	K		
												IN	030109601E									
												EX	030109611B 030109611A 030109611A	5066 3009	32.0 28.8	8 8	99.3 99.0	PN PN	45 45	K K		
													IN 049 103 419	G51498	12.06	7.98	42.3					Br
												EX 049 103 419	G51498									12.06
							VOLKSWAGEN															
Sharan 2.0 i 16V Golf / Vento / Passat GTI 16V (105/110 KW) Eng.ABF	ABF	1992	1984	4		IN	051109601B	3062	32.0	7	95.5	PN	45	K								
												EX	051109611B	3063	27.0	7	98.0	PN	45	K		
						IN 051 103 419	G52472	12.06	6.98	35					Br							
					EX 051 103 419	G52472									12.06	6.98	35				Br	




Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.																																		
VOLKSWAGEN																																																	
Sharan VR6 Golf GTI VR6 Vento GL / GT VR6 Passat GL / GLS / GT VR6 / Variant Corrado / Passat VR6 Golf GTI VR6 / Variant (128/140 KW) Holf 2.3 Bora 2.3 i VR5 Passat 2.3 Eng. AGZ-AAA	AGZ AAA	1991 1992 1994 1995	2792 2861	6		IN	021109601E 021109601H 021109601J 021109601K 021109601L	3064	39.0	7	106.0	PN	45	K																																			
						EX	021109611F 021109611G 021109611D									3065	34.2	7	107.0	PN	45	K																											
							IN																027 103 419	G52304	12.06	7	38				Br																		
						EX	027 103 419																G52304									12.06	7	38			Br												
						VOLKSWAGEN																																											
						Gol Eng.AZP	AZP																	1000	4		IN	036109601AE 036109601AA	3068	22.5	6	101.8	PN	45	K														
																											EX	036109611R 036109611T									3069	20.0	6	101.7	PN	45	K						
																																																	
VOLKSWAGEN																																																	
Golf 1.0 16V Eng.ATMI	ATMI	1996	999	4		IN	036109601R	3070	22.5	6	98.7	PN	45	K																																			
						EX	036109611J									3071	20.0	6	98.5	PN	45	K																											
																																																	
VOLKSWAGEN																																																	
POLO 1.0 ('00-'02) LUPO 1.0 ('99-'04) GOL 1.0 FOX 1.0 SAVEIRO 1.0 VOYAGE 1.0 Eng.ALD-AUC-ANV-AQZ-BNX-CCNA	ALD AUC ANV AQZ BNX CCNA	2003	999	4		IN	030109601AK 030109601AP 030109601AS	3080	31.0	6	99.0	PN	45	K																																			
						EX	030109611S 030109611AE 030109611AF									3081	26.0	6	99.0	PN	45	K																											
							IN																032 103 419A	G52464	11.07	6.98	33			Br																			
						EX	032 103 419A																G52464								11.07	6.98	33			Br													
						VOLKSWAGEN																																											
						Phaeton 4.2 V8 Touareg 4.2 V8 Eng.BGH-BHX	BGH BHX																2003	4172	V8		IN	077109601Q	3088	26.9	6	96.5	CV	45	K														
EX	077109611S	3089	29.9	6	94.9			CV	45	K																																							
	IN										058 103 415	G52488	11.06	6	35.9			Br																															
EX	058 103 415										G52488								11.06	6	35.9							Br																					


Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
VOLKSWAGEN															
New Beetle Eng.AQN-AXJ	AQN AXJ	2004 2005	2300	5		IN	022109601F	3090	30.9	6	136.1	CV	45	K	
Bora Eng.AQN-BDE	AQN BDE	2006				IN	022109601E	3092	27.0	6	102.5	PN	45	K	
Golf V Eng.AQN-AQP-AVE	AQN AQP					EX	022109611C	3093	27.0	6	136.4	PN	45	K	
Passat Eng.AZ	AVE AZX					EX	022109611B	3091	31.0	6	102.2	CV	45	K	
Phaeton Eng.BRN-BTT-BAN	BRN BTT														
Sharan Eng.AYL	BAN AYL														
Touareg Eng.BJN	BJN														
Transporter Eng.AMV	AMV														


VOLKSWAGEN															
Polo 1.2 Eng.BMD-AWY	BMD AWY	2004	1198 1390	3		IN	032109601M 032109601L	3097	34.5	6	99.2	PN	45	K	
Fox 1.2 Eng.BMD	BKR														
Fox 1.4 Eng.BKR						EX	032109611L 030109611T 030109611T	3099	28.0	6	99.1	PN	45	K	
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br


VOLKSWAGEN															
Caddy 1.4 B 44CV Lupo 1.4 i Polo 1.4 i Eng. AUD-AEX-AKV-APQ	AUD AEX AKK AKP AKV APQ	2000	1400	4		IN	030109601AL	3098	33.5	6	99.2	PN	45	K	
						EX	030109611T	3099	28.0	6	99.1	PN	45	K	
						IN	030 103 419A	G52462	11.07	6.98	36.5				Br
						EX	030 103 419A	G52462	11.07	6.98	36.5				Br

VOLKSWAGEN															
Polo 1.4 Eng. AFH	AFH	1999	1390	4		IN	036109601P	3100	29.5	6	97.9	CV	45	K	
						EX	036109611L	3101	26.1	6	97.2	PN	45	K	
						IN	032 103 419A	G52464	11.07	6.98	33				Br
						EX	032 103 419A	G52464	11.07	6.98	33				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
VOLKSWAGEN															
Polo 1.2 12V	BZG	1995	1198	3 4		IN	036109601AD	3102	29.5	6	100.9	CV	45	K	
Lupo 1.4 16V	AHW	1998	1390				036109601AK								
Caddy 1.4 i 16V	AUA	2002	1600				036109601S								
Golf 1.4	AHW	2005					03C109601L								
Polo 1.4 16V	AJV	2006													
Polo 1.6	BAG	2010													
Lupo 1.6 GTI 16V 6m	BLF					EX	036109611K	3103	26.0	6	100.6	PN	45	K	
Touran 1.6 16V FSI	BLP						036109611AE								
Eos 1.6 FSI 16V	BTS						03C1096011Q								
Golf V 1.6 16V FSI	BBZ						03C109611G								
Bora 1.4 i 16V-1.6 i 16V FSI	BKY						03C109611R								
Jetta 1.6 i 16V FSI	BME														
Passat 1.6 16V FSI	BMY					IN	058 103 415	G52488	11.06	6	35.9				Br
Touran 1.4 16V TSI	BLG					EX	058 103 415	G52488	11.06	6	35.9				Br
New Sharan 1.4 TSI	BWK														
Polo 1.4 Ecofuel	CAVA														
Passat 1.4 Ecofuel	CAVC														
Touran 1.4 Ecofuel	CAVD														
	CAXA														
	CMAA														
	CDGA														

VOLKSWAGEN															
Lupo 1.0	ARR	1998	999	4		IN	030109601AG	3104	31.0	7	94.7	PN	45	K	
Eng. AER	ALL						030109601AC								
Polo 1.0															
Eng. ALL															
Golf 1.0 8V						EX	030109611N	3105	26.0	7	94.4	PN	45	K	
						IN	032 103 419A	G52464	11.07	6.98	33				Br
						EX	032 103 419A	G52464	11.07	6.98	33				Br

VOLKSWAGEN															
New Beetle 1.6	AYD	2001	1598	4		IN	06B109601B	3114	39.4	6	93.8	CV	45	K	
Eng. AYD	ALZ	2004					06B109601D								
Golf IV 1.6	AVU	2010					06B109601H								
Golf V 1.6	BGU														
Eng. AVU	AVU														
Bora 1.6	BGU					EX	06B109611C	3115	32.9	6	93.8	PN	45	K	
Touran 1.6	BSE			06B109611B											
Caddy 1.6	BSF														
Eng. BGU	ALZ														
Passat 1.6 102 CV	CHGA														
Eng. AVU-BGU-ALZ															
Golf 1.6 BiFuel															
Polo 1.6 Bifuel															
Caddy 1.6 Bifuel															
Eng. CHGA															

VOLKSWAGEN															
Golf V 2.0 16V FSI	BLR	2003	1984	4		IN	06D109601K	3126	33.8	6	104.0	CV	45	K	
Golf VI 1.8 16V TFSI	BLX	2009	1800				06D109601M								
Touran 2.0 16V FSI	BLY						06E109601E								
Jetta 2.0 FSI 16V	AXW						06L109601								
Passat 2.0 FSI 16V	CAWB														
Passat 1.8 TFSI 16V	CDAA														
Eng. BLR-BLX-BLY-AXW	CFPA					EX	06D109611K	3127	28.0	6	101.9	PN	45	K	
Tiguan 2.0 TSI	CDAA						06D109611L								
Eng. CAWB	CGYA						06D109611H								
CC 1.8 TFSI 16 V							06D109611T								
Amarok 2.0							06J109611A								
Eng. CFPA-CDAA-CGYA							TAPERED								
							06J109611A								
							TAPERED								
						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.
VOLKSWAGEN															
Phaeton 3.2 V6	AYT	2003	3189	V6		IN	022109601H	3128	33.2	6	136.3	CV	45	K	
Eng. AYT-AVT	AVT	2005	3597												
Touareg 3.2 V6-3.6 V6	BKT	2007				IN	022109601G	3094	33.2	6	102.4	CV	45	K	
Eng. BKT	BWS														
Multivan 3.2 V6	AXZ					EX	022109611M	3129	30.2	6	136.1	CV	45	K	
Passat 3.2 V6-3.6 V6	AZZ						022109611P								
Golf 3.2 i V6	BKJ					EX	022109611N	3095	30.2	6	102.2	CV	45	K	
Eos 3.2 i V6	BMV														
Eng. BKT-BWS-AXZ-AZZ-BKJ-BMV-	BRJ														
BRJ-AYT-BKL-BRK-BDL-BKK-BFH-	AYT														
BML-BUD-CBR	BKL														
	BRK														
	BDL														
	BKK														
	BFH														
	BML														
	BUD														
	CBR														





VOLKSWAGEN															
Polo 1.2 TSI	CBZA	2011	1197	4		IN	03F109601A	3130	35.5	6	98.7	CV	45	K	
Golf V 1.2 TSI	CBZB														
Golf VI 1.2 TSI															
Beetle 1.2 TSI															
Jetta 1.2 TSI						EX	03F109611B	3131	30.0	6	98.3	PN	45	K	
Touran 1.2 TSI							03F109611C								
Caddy 1.2 TSI															
Eng. CBZA-CBZB						IN	058 103 415	G52488	11.06	6	35.9				Br
						EX	058 103 415	G52488	11.06	6	35.9				Br











VOLKSWAGEN															
Golf 1.6 Tsi 16V	CWWA	2014	1595	4		IN	04E109601	3147	29.6	5	110.2	PN	45	K	
UP 1.6 Tsi 16V															
Polo 1.6 Tsi 16V															
Eng. CWWA						EX	04E109611L	3148	27.0	5	110.1	PN	30	K	

VOLKSWAGEN															
Golf / Vento / Passat	1F	1994	1781	4		IN	048109601E	5016	37.9	7	91.7	CV	45	K	
Goi Cobrio et / Voriont	AAM														
(55/66 KW)	ADZ														
Eng. 1F-AAM-ADZ						EX	048109611B	3039	32.9	7	91.2	PN	45	K	
							037109611B								
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	037 103 419B	G52470	12.06	6.98	36.5				Br

VOLKSWAGEN															
Golf 1.4	ABD	1998	1390	4		IN	030109601J	5240	35.9	7	99.2	PN	45	K	
Eng. ABD							030109601L								
						EX	030109611D	5245	29.0	7	99.0	PN	45	K	
						EX	030109611A	3009	28.8	8	99.0	PN	45	K	
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.											
VOLKSWAGEN																										
Polo 1.2 Polo 1.4 Golf 1.4 Polo CL 75 Golf CL / Variant TCL Golf / Variant Synchro Vento GL (55 KW)		1994	1390 1598	4		IN	032109601F 032109601G	5242	34.6	7	94.8	PN	45	K												
						EX	032109611G								5243	29.0	7	95.0	PN	45	K					
																										
VOLKSWAGEN																										
Polo 1.0		1992	1050	4		IN	030109601N 030109601M	5244	32.0	7	99.2	PN	45	K												
						EX	030109611D								5245	29.0	7	99.0	PN	45	K					
																										
VOLKSWAGEN																										
Golf / Variant 1.14 i Eng. A.E.A. Polo / Vento Caddy 1.4 Caddy 1.6 Eng. A.E.X. / AEE / AHS / ANX / APQ / AHV / AEA / AHS	AEX AEE AHS ANX APQ AHV AEA AHS	1995	1300 1600	4		IN	030109601AD 032109601E 030109601AH	5246	35.5	7	94.7	PN	45	K												
						EX	032109611G								5243	29.0	7	95.0	PN	45	K					
																		IN EX	032 103 419A 032 103 419A	G52464 G52464	11.07 11.07	6.98 6.98	33 33			Br Br
VOLKSWAGEN																										
Polo 45 Golf Ecomatic Golf Variant CL Vento Eng. AEV / ABD	AEV ABD	1994	1043 1391	4		IN	030109601G	5248	34.0	7	99.0	PN	45	K												
						EX	030109611D								5245	29.0	7	99.0	PN	45	K					
																										
VOLKSWAGEN																										
Polo 55 1.3 Eng. ADX (40 KW)	ADX	1994	1297	4		IN	030109601AB 030109601AA	5250	32.1	7	94.5	PN	45	K												
						EX	032109611G								5243	29.0	7	95.0	PN	45	K					
																		IN EX	032 103 419A 032 103 419A	G52464 G52464	11.07 11.07	6.98 6.98	33 33			Br Br
VOLKSWAGEN DIESEL																										
Transporter LT (28-55) D. Turbo Diesel Caravelle D Transporter D (42/55/75 KW)		1981 1982 1986 1987	1715 2383	4 6		IN	069109601D 072109601 069109601C	1130	36.0	8	104.9	CV	45	K												
						EX	068109611D 068109611C 072109611								1131	31.2	8	104.5	CV	45	K					
																		IN EX	056 103 419A 056 103 419A	G51227 G51227	12.06 12.06	7.98 7.98	36.5 36.5			Br Br

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.						
VOLKSWAGEN DIESEL																					
Eng. Man D 0224 M 6.90 / 8.90 / F- FK Eng. Man D 0226M 8.136 F / 9.136 F (66/100 KW)	MAN	1980	3791 5687	4 6		IN	51041010417	1632	47.0	10	136.6	PN	45	A							
						EX	51041010410	1631	42.0	10	136.3	PN	45	A							
						IN	51032011052	G52162	16.03	10	65				Gh						
						EX	51032011053	G52163	16.03	10	55				Gh						
VOLKSWAGEN DIESEL																					
Taro 2.4 D	2L	1989	2446	4		IN	J1371154020	1790	42.5	8	103.5	PN	45	A							
						EX	J1371517010	1791	36.0	8	103.3	PN	45	A							
						IN		G51770	14.04	8.51	61				Gh						
						EX		G51770	14.04	8.51	61				Gh						
VOLKSWAGEN DIESEL																					
Golf / Variant 1.9 TDi / GT Vento 1.9 TDi Passat 1.9 TDi Sharan 1.9 TDi Golf - Cabrio 1.9 TDi (66 KW) Transporter 2.5 TD Eng. AJT / AVF / AXG LT 35 2.5 Tdi 95CV LT 35 2.5 Tdi 109CV LT 46 2.5 Tdi 109CV Eng. AGX-APA-ANY-BBF-AVR Transporter 2.5	AJT AVF AXG AGX APA ANY BBF AVR ACU AJT AHY BJJ BJK BJL BJM	1993 1995 1999 2000 2002	1896 2461 2500	4 5		IN	046109601J 028109601H	1948	36.0	8	96.9	PN	45	K							
						EX	046109611F	1949	31.5	8	96.9	PN	45	K							
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br						
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br						
						VOLKSWAGEN DIESEL															
						Golf SDi 1.9 Eng. AEY / AHF / AFN Polo Variant Eng. AHU Golf Eng. AGR / AHF Bora 1.9 TDi Eng. AHF Passat Eng. AFN New Beetle Eng. ALH Sharan Eng. 1Z from 12.770.001 Sharan Eng. AFN (66/81 KW) Vento 1.9 Tdi Caddy 1.9 TDi Eng. AHU-ALE-AFN	AEY AHF AFN AHU AGR AHF ALH AFN AHU ALE AFN	1998 1999	1896	4		IN	028109601D	2970	36.0	7	96.9	PN	45	K	
												EX	028109611G	2971	31.5	7	96.9	PN	45	K	
												IN	037 103 419B	G52470	12.06	6.98	36.5				Br
EX	037 103 419B	G52470	12.06	6.98	36.5										Br						

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
VOLKSWAGEN DIESEL																
Golf / Jetta / Passat	JP	1985	1588	4		IN	068109601C	3015	34.0	8	104.8	CV	45	K		
Santana GTD Turbo	ME	1986	1715													
Golf C / GL / CL	1V	1989														
Passat	JR	1991														
Jetta C / GL / CL	MF					EX	068109611C 068109611D 072109611	1131	31.2	8	104.5	CV	45	K		
Transporter 1.6 / Turbo	RA															
Santana C / GL / CL	SB															
Caravelle D																
Transporter D																
(37/40/42/51/52 KW)							IN 056 103 419A EX 056 103 419A	G51227 G51227	12.06 12.06	7.98 7.98	36.5 36.5				Br Br	
VOLKSWAGEN DIESEL																
Golf / Vento / Polo	1Y	1989	1895	4		IN	069109601F	3043	36.0	8	95.6	PN	45	K		
Passat CL / GL / GTD	AAZ	1990	1896	5				069109601G								
Eng. 1Y - AAZ TD	AEF	1991	2370	6				069109601H								
Golf Ecomatic / Variant	AAB	1992	2383				IN	028109601C	2972	36.0	7	95.5	PN	45	K	
Polo Eng. AEF	DV	1993	2459													
Transporter / Multivan / Caravelle	1S	1994				EX	028109611E	2973	31.1	7	95.6	PN	45	K		
/ Transporter Synchro T4		1995				EX	068109611L 068109611M 069109611	3045	31.2	8	95.6	PN	45	K		
Eng. 1X.AAB		1996														
LT 28 / 31 / 35 / 45 / 50 / 55																
LT 40 4x4 / LT 45 4x4 Turbo Diesel																
Eng. DV / 1S							IN 056 103 419A EX 056 103 419A	G51227 G51227	12.06 12.06	7.98 7.98	36.5 36.5				Br Br	
Kombi 1.4																
Multivan T4																
Caddy 1.9 SDI																
VOLKSWAGEN DIESEL																
Golf / Jetta / Passat / Santan	JP	1985	1588	4		IN	068109601L 068109601M 068109601N	3044	34.0	8	95.6	PN	45	K		
GTD - Turbo	ME	1986														
Golf / Jetta / Passat C / CL / GL	1V	1989														
Passat C / CL / GL / GTD	JR	1991														
Eng. JP / ME / 1V / JR / MF / RA	MF					EX	068109611L 068109611M 069109611	3045	31.2	8	95.6	PN	45	K		
/ SB	RA															
(40/44/51/59 KW)	SB						IN 056 103 419A EX 049 103 419	G51227 G51498	12.06 12.06	7.98 7.98	36.5 42.3				Br Br	
VOLKSWAGEN DIESEL																
Polo 1.0 Fox / Oxford		1986	1043	4		IN	030109601	3061	34.0	8	99.0	PN	45	K		
CL movie / Bestselle / Coupé		1990	1272													
Polo D / GT / Coupé / CL			1398				IN	030109601B 030109601C 030109601D 030109601F 073109601A 073109601D	3008	36.0	8	98.8	PN	45	K	
Fox / Oxford / C																
CL Movie / Bestseller																
Golf / Jetta 1.3 GL																
Polo CL / GT / Fox / Coupé																
(33/35 KW)						EX	030109611C 030109611A 030109611B	3009	28.8	8	99.0	PN	45	K		
							IN 049 103 419 EX 056 103 419A	G51498 G51227	12.06 12.06	7.98 7.98	42.3 36.5				Br Br	















Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
VOLKSWAGEN DIESEL																
Lupo 1.7	AKU	1996	1716	4		IN	028109601J	3106	36.0	7	96.6	PN	45	K		
Eng. AKU	AGD	1999	1896													
Polo 1.9 SDi	ASY	2001														
Eng. AGD-ASY	AHB															
Caddy 1.7 Sdi	AQM					EX	028109611K	3107	31.5	7	96.4	PN	45	K		
Eng. AHB	AGP															
Bora 1.9 Sdi	AEY															
Eng. AQM-AGP						IN	037 103 419B	G52470	12.06	6.98	36.5				Br	
Vento 1.9 Sdi						EX	037 103 419B	G52470	12.06	6.98	36.5				Br	
Eng. AEY (42/47 KW)																

VOLKSWAGEN DIESEL																
Passat 2.5	AFB AKN		2496	V6		IN	059109601B	3108	27.2	6	100.6	PN	45	K		
							EX	059109611B	3109	24.1	6	100.6	PN	45	K	
						IN		G52632	10.06	5.98	42				Br	
						EX		G52632	10.06	5.98	42				Br	

VOLKSWAGEN DIESEL																
Bora-Passat-Golf 85 Kw 1.9 Tdi	AJM	1999	1191	3		IN	038109601B	3110	36.0	7	89.9	PN	45	K		
Eng. AJM-ATD	ATD	2000	1422	4												
Lupo 1.4 TDi	AMF	2001	1896	5												
Eng. AMF(BEFORE2003)	ASZ	2003	2460	W10												
Golf 1.9 TDi 130CV	ARL	2004				EX	038109611F	3111	31.5	7	89.9	PN	45	K		
Eng. ASZ	APL	2005					038109611F									
Golf 1.9 TDi 150CV	ATD	2006					038109611B									
Eng. ARL / APL	AVB															
New Beetle 1.9 TDi	AWX															
Eng. ATD	AVF															
Passat 1.9 TDi	BLK															
Eng. AVB-AWX-AVF	AYH															
Phaeton 5.0 W10 Tdi	AJS															
Touareg 5.0 W10 Tdi	AXC															
Lupo 1.4 Tdi (Before 2003)	AXB															
Multivan Transporter 1.9	AXD															
Multivan Transporter 2.5	AXE															
Polo 1.9 TDi	ATD															
	BLT															
	BAY															

VOLKSWAGEN DIESEL																
LT 35-LT 46 2.8 Tdi 12V	AUH	2002	2800	4		IN	062109601	3116	33.0	7	105.1	PN	30	K		
Eng. AUH-BCQ-AGK-ATA	BCQ															
	AGK															
	ATA															
						EX	062109611A	3117	39.7	7	105.1	PN	45	K		

VOLKSWAGEN DIESEL																
Touran 2.0 Tdi	BKD	2003	1968	4		IN	03G109601A	3118	29.4	6	88.5	PN	45	K		
ENG. BKD																
Golf 2.0 Tdi PD 16V																
Up To Chassis nr. 1K-4B005000																
						EX	03G109611B	3119	25.5	6	88.2	PN	45	K		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.	
VOLKSWAGEN DIESEL																
Golf V 2.0 Tdi 16V Touran 2.0 16V 140CV Jetta 2.0 Tdi-PD 16V Passat 2.0 Tdi-PD 16V ENG.BKD-AZV From Chassis nr.1K-4B005001	BKD	2004	1968	4		IN	03G109601B	3120	29.1	6	87.8	PN	45	K		
	AZV	2005														
						EX	03G109611D	3121	25.4	6	87.5	PN	45	K		
							IN	058 103 415	G52488	11.06	6	35.9				Br
					EX		058 103 415	G52488	11.06	6	35.9				Br	
VOLKSWAGEN DIESEL																
Passat 2.5 V6 Tdi Eng. BDG-BAU	BDG	2003	2496	V6		IN	059109601F	3122	27.2	6	100.6	PN	45	K		
	BAU	2005														
						EX	059109611G	3123	24.1	6	100.7	PN	45	K		
																
VOLKSWAGEN DIESEL																
Lupo 1.4 Tdi Eng.AMF(AFTER 2003) Touran 1.9 Tdi Eng.BKC-BRU-AXR Golf V 1.9 Tdi (90-105CV) Eng.BKC-BRU Passat 2.0 Tdi Eng.BGW-BMP Fox 1.4 Tdi Polo 1.4 Tdi Eng.BNM-BNV Jetta 1.9 Tdi Eng.BKC-BLS Touareg 2.5 R Tdi EngAWB	AMF	2004	1422	3 4		IN	038109601E	3132	36.0	7	89.5	PN	45	K		
	BKC		1896													
	BRU															
	AXR															
	BKC					EX	038109611E	3133	31.5	7	89.1	PN	45	K		
	BMP						IN	037 103 419B	G52470	12.06	6.98	36.5				Br
BRU					EX		037 103 419B	G52470	12.06	6.98	36.5				Br	
BGW																
BNM																
BNV																
BKC																
BLS																
AWB																
VOLKSWAGEN DIESEL																
Lupo 1.2 Tdi	AYZ	1999	1191	3		IN	045109601	3134	35.9	7	89.7	PN	45	K		
	ANY															
						EX	045109611	3135	31.5	7	89.7	PN	45	K		
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
					EX		037 103 419B	G52470	12.06	6.98	36.5				Br	
VOLKSWAGEN DIESEL																
Phaeton 3.0 Tdi 24V Tuareg 3.0 Tdi 24V	CARA	2007	2967	V6		IN	059109601G	3138	28.6	6	99.3	PN	45	K		
	CASA															
	CASB															
	CASC					EX	059109611K	3139	26.8	6	99.2	PN	45	K		
CEXA																
VOLKSWAGEN DIESEL																
New Beetle 2.0 Tdi	BEW	2005	1996	4		IN	038109601F	3140	35.5	7	88.8	PN	45	K		
						EX	038109611G	3141	31.4	7	88.4	PN	45	K		
							IN	037 103 419B	G52470	12.06	6.98	36.5				Br
					EX		037 103 419B	G52470	12.06	6.98	36.5				Br	









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.
VOLKSWAGEN DIESEL															
Golf VI 2.0 Tdi Eng. CBAB - CBBB	CBAA CBAB	2007 2010	1968	4		IN	03L109601 04L109601B	3142	28.1	6	99.3	PN	45	K	
Touran 2.0 Tdi Eng. CFHC - CFJA	CBBB CFHC	2014													
Sharan 2.0 Tdi Eng. CFGB	CFJA CFGB					EX	03L109611 04L109611B	3143	26.0	6	99.1	PN	45	K	
Tiguan 2.0 Tdi 140-170Cv	CDBA														
Passat 2.0 TDI 16V	CDCA														
Passat CC 2.0 Tdi 16V	CUUA					IN		G52632	10.06	5.98	42				Br
Golf 2.0 TDI 16V	CUUB					EX		G52632	G52632	10.06	5.98	42			
Scirocco 2.0 TDI 16V	CKUB														
Eng. CBAA-CBAB	CKTB														
Amarok 2.0 Tdi	CKTC														
Eng. CDBA-CDCA															
Maggiolino															
Eng. CUUA															







VOLKSWAGEN DIESEL															
Polo 1.2 Tdi	CAYA	2010	1199	3		IN	03L109601A 04L109601A	3144	26.5	6	99.3	PN	45	K	
Polo 1.6 Tdi	CAYB	2014	1598	4											
Golf VI 1.6 Tdi	CAYC														
Touran 1.6 Tdi	CAYD														
Jetta III - Jetta IV 1.6 Tdi	CAYE					EX	03L109611A 04L109611A	3145	24.4	6	99.1	PN	45	K	
Eng. CAYC-CFWA-CAYD-CAYE-CAYB-	CFWA														
CAYA-CUSA-CUSB-CUTA	CLHA														
Touran 1.6 Tdi	CUSA														
Eng. CAYB	CUSB														
	CUTA														








VOLVO															
66 DL / L	B10E	1975	1108	4		IN	3267437 31044019	0405	33.5	7	89.6	CV	45	A	
Eng. B 10E	B13E	1976	1289												
66 GL / DL / Sedan / Kombi	B14E	1981	1397												
Eng. B 13E						EX	31005192 3267436	0649	30.3	7	89.0	CV	45	H	
345 / 343 DL / GL / L															
Eng. B 140E						IN	3102891-3	G50394	11.15	7	41.5				Gh
(33/42/52 KW)						EX	3102891-3	G50394	G50394	11.15	7	41.5			











VOLVO															
343 / 345 / 360 DL / L	B14	1982	1397	4		IN	32776932	0406	34.0	7	91.2	CV	30	A	
Eng. B 14		1985													
340															
(47 KW)						EX	32674376 32776957	0407	29.0	7	89.0	CV	45	H	
						IN	3102891-3	G50394	11.15	7	41.5				Gh
						EX	3102891-3	G50394	G50394	11.15	7	41.5			













VOLVO															
343 / 345 DL / L	B14	1985	1397	4		IN	32874190	0412	34.0	7	90.5	CV	45	H	
Eng. B 14															
(52 KW)															
						EX	32778136	0407	29.0	7	89.0	CV	45	H	
						IN	3102891-3	G50394	11.15	7	41.5				Gh
						EX	3102891-3	G50394	G50394	11.15	7	41.5			






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.							
VOLVO																						
740 GLT 16V 940 GLE 16V Eng. B 234F (114/117 KW)		1988	2316	4		IN	13177936	0535	34.5	7	122.5	PN	45	K								
						EX	13177928	0536	31.5	7	122.3	PN	45	K								
						IN	1378960	G52496	12	7	55					Gh						
						EX	1378960	G52496	12	7	55					Gh						
VOLVO																						
240 Eng. B 200 E / B 230 E 242 / 244 / 245 Eng. B 19 A 340 / 360 GLE Eng. B 200 E 343 / 345 Eng. B 19 A 740 Eng. B 200 E 740 / 780 - Turbo Eng. B 200 ET 940 GL Eng. B 200 F 242 / 244 / 245 Eng. B 21 A / E 242 / 244 / 245 USA Eng. B 21 E USA 244/245 Turbo 240 GL 740 GL 940 GL 740 T 760 T 780 T 940 T	B19A B21 B21A B21E B23A	1974 1976 1979 1980 1981 1982 1983 1985 1985 1985 1988 1991	1986 1991 2127 2316	4		IN	4633954	0537	44.0	8	110.5	PN	45	K								
						EX	12766879 35472471 4635264	0538	35.0	8	111.0	PN	45	K								
						IN	463771	G51563	13.5	8	52					Gh						
						EX	463771	G51563	13.5	8	52					Gh						
						VOLVO																
						740 GLT 16V Eng. B 204 E 760 GLE / 780 GLE Turbo 16V 940 GLE - Turbo 16V 960 GLE - à Turbo Eng. B 204 FT / GT DOHC (100/140/147 KW)		1988 1989 1991	1986 1991	4		IN	13784731	0539	32.5	7	122.5	PN	45	K		
												EX	13784749 35144914	0540	29.5	7	122.3	PN	45	K		
												IN	1378960	G52496	12	7	55					Gh
												EX	1378960	G52496	12	7	55					Gh
						VOLVO																
850 2.0 GLE 10V S70 10V V70 10V S80 10V Eng. B5202S		1994	5		IN	6842421 1397190	0544	40.0	7	97.9	CV	45	K									
					EX	6842422 1397191	0545	35.0	7	96.9	CV	45	K									
					IN	1270397	G52573	11.99	7	39.5					Gh							
					EX	1270397	G52573	11.99	7	39.5					Gh							
VOLVO																						
264 / 265 DL / GL / GLE / TE / GI Eng. B 27 A / E 262 / 265 / 264 760 / 780 GLE Eng. B 28 A / E / F (92/95/103/106/108/114 KW)	B27A B28A	1975 1980 1985	2664 2849	6		IN	2453900	0635	43.9	8	112.0	PN	30	A								
						EX	2458024	0637	37.0	8	111.3	PN	45	A								
																						








Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.																							
VOLVO																																						
360 GL - 340 Eng. B 172 480 ES 440 GL / GLE / GLT Eng. B 18 E / F 440 / 480 Turbo 440 GL / 460 GLE 460 1.8 (60/70/75 KW)	B17 B18	1985 1986 1988 1990	1720	4		IN	33422783	0652	38.2	8	111.5	PN	30	A																								
																	EX	33243997 33437385	0653	32.5	8	111.3	PN	45	A													
																												IN	415266	G51016	15	8.74	63.5			Gh		
																																					EX	415266
VOLVO																																						
440 / 460 Eng. B 18U 480 Eng. B 20F (80/81 KW)	B18U B20F	1993 1994	1994 1998	4		IN	33448416	0712	40.1	8	107.1	PN	45	A																								
																	EX	33448424	0713	32.7	8	106.9	PN	45	A													
																												IN	3343624	G52582	13.07	8	37.7			Br		
																																					EX	3343624
VOLVO																																						
S60 2.0 T S60 2.4 T S60 2.3 T5 V70 2.4 T AWD S80 2.8 T6 XC90 2.5 T XC90 2.9 T S40 2.4 V50 2.4 XC70 2.5T Eng. B5254T2-B62947-B5244T (200 KW) C70 2.5 iT	B5254T2 B62947 B5244T	2001 2004	1984 2435 2319 2783	5 6		IN	9454608	1177	32.0	6	104.3	CV	45	K																								
																	IN	9454607	1175	31.0	6	104.3	CV	45	K													
																												EX	9454610	1176	27.0	6	103.3	CV	45	K		
																	EX	1270391	G52497	11.99	7	45			Gh													
VOLVO																																						
C30 1.6 S40 1.6 V50 1.6 Eng. B4164S3 Ford	B1464S3 B4164S3S	2004 2006	1596	4		IN	30711639	1262	30.0	6	99.0	CV	45	K																								
																	EX	30711638	1263	24.1	6	101.5	CV	45	K													
																												IN	1270391	G52497	11.99	7	45			Gh		
																																					EX	1270391
VOLVO																																						
C30 2.0 S40 2.0 V50 2.0 Eng. B4204S3	B4204S3	2006	1999	4		IN	30777329	1315	35.0	5.5	103.4	CV	45	A																								
																	EX	30777328	1316	30.0	5.5	104.6	PN	45	A													
																												IN	1270391	G52497	11.99	7	45			Gh		
																																					EX	1270391
VOLVO																																						
C30 1.8 S40 1.8 V50 1.8 Eng. B4184S11 Ford	B1464S3	2004 2006	1798	4		IN	8694781	1317	32.5	5.5	103.4	CV	45	A																								
																	EX	8694780	1318	28.0	5.5	104.6	CV	45	A													
																												IN										
																																					EX	






Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
VOLVO																					
S60 1.6 T4 16V S80 1.6 T4 16V V40 1.6 T4 16V V60 1.6 T4 16V V70 1.6 T4 16V ENG.B4164T-T1-T2-T3-T4	B4164T	2010 2011 2012	1595	4		IN	31370617	1856	30.0	5	98.8	CV	45	K							
						EX	31330401 31375559	1857	24.9	5	99.7	PN	30	K							
						IN	1270391	G52497	11.99	7	45				Gh						
						EX	1270391	G52497	11.99	7	45				Gh						
VOLVO																					
S60 2.0 T 16V S80 2.0 T 16V V60 2.0 T 16V V70 2.0 T 16V XC60 2.0 T 16V Eng.B4204T6-T7	B4504T6 B4204T7	2011 2012	1948	4		IN	31316318	2266	32.5	5.5	103.4	CV	45	A							
						EX	31316317 9487443	2379	28.0	5.5	104.7	PN	45	A							
						EX	31316317 9487443	2267	28.0	5.5	104.7	PN	45	A							
						IN	1270391	G52497	11.99	7	45				Gh						
						EX	1270391	G52497	11.99	7	45				Gh						
VOLVO																					
850 GLT 20V 850 2.0 T5 850 T5 / Break 20V Eng. B 5234 FT Turbo Eng. B 5254 F 960 Berlina / Break 24V Eng. B 6304 F (125/150/166/177 KW) S 40 / V 40 1.6 16V S 40 / V 40 1.8 16V S 40 / V 40 1.8i 16V S 40 / V40 1.9 16V T4 S40 / V 40 2.0 16V S40 / V 40 2.0 16V T V70 T5 S80 T5 C70 T5 V70 2.5 BiFuel V70 2.4 R XC 70 V90 3.0i V6 S60 2.4	B5204 B5234 B5254 B6254 B6304 B4164	1990 1992 1994 2001	1588 1731 1834 1855 1984 2319 2435 2473 2922	5 6		IN	1270455	2378	32.0	7	104.3	CV	45	K							
						IN	9207874 13976410	0530	31.0	7	104.1	CV	45	K							
						EX	9207977 1366490 9207880 9471466 9471463 13668827	0531	27.0	7	103.5	CV	45	K							
						IN	1270391	G52497	11.99	7	45				Gh						
						EX	1270391	G52497	11.99	7	45				Gh						
						VOLVO DIESEL															
						360 D Eng. D16 (40 KW)	D16	1984	1596	4		IN	32879660	0650	36.2	8	111.7	PN	30	A	
												EX	32879678	0651	31.6	8	111.3	PN	45	A	
												IN		G52105	13.07	8	39				Br
						EX		G52105	13.07	8	39				Br						
VOLVO DIESEL																					
460 1.9 TD S40 / V40 1.9 D S70 / V70 / S80 2.5 D			1870 2460	4 5		IN	3345515 30852144	0714	35.0	8	110.3	PN	45	A							
						EX	30852146 3345516	0715	31.5	8	110.5	PN	45	A							
						IN		G52585	12.06	7	38.3				Br						
EX		G52585	12.06	7	38.3				Br												









Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
VOLVO DIESEL																	
C30 2.0 D S40 2.0 D V50 2.0 D C70 2.0 D V70 2.0 D Eng.D4204T	D4204T	2004 2006	1997	4		IN	8653745	0879	29.8	6	105.0	PN	45	K			
							EX	8653744	0880	24.9	6	105.0	PN	45	K		
																	
VOLVO DIESEL																	
C30 1.6 D S40 1.6 D V50 1.6 Di 16V Eng.D4164T	D4164T	2004 2006	1560	4		IN	30711498	0898	25.6	5.5	96.4	CV	45	K			
							EX	30711497	0899	23.4	5.5	96.6	PN	45	K		
																	
VOLVO DIESEL																	
740 /760 GLE TD 940 / 960 GLE TD Eng. D24 T - Turbo 240/244/245/740 940 GLD/760 GLED Eng. D 24 740 / 760 / 940 / 960 GLE TD Intercooler 780 TD Intercooler Eng. D24 TIC - Turbo (61/81/85/90 KW)	D24T	1981 1982 1985 1990	2303 2383	6		IN	13281472	1130	36.0	8	104.9	CV	45	K			
							EX	13280896	1131	31.2	8	104.5	CV	45	K		
								13281480									
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br		
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br		
VOLVO DIESEL																	
850 TDI Eng. AAT D252T (103 KW)	AAT D252T	1996	2461	5		IN	046109601J	1948	36.0	8	96.9	PN	45	K			
							EX	046109611F	1949	31.5	8	96.9	PN	45	K		
						IN	056 103 419A	G51227	12.06	7.98	36.5				Br		
						EX	056 103 419A	G51227	12.06	7.98	36.5				Br		
VOLVO DIESEL																	
C30 D2 S40 D2 S60 D2 V50 D2 V40 D2 V70 D2 S80 D2 Eng.D4162T	D4162T	2010	1560	4		IN	31330181	2274	30.2	5.5	95.5	PN	45	K			
							EX	31330182	2275	27.5	5.5	95.5	PN	45	K		
																	







Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.
VOLVO DIESEL															
C30 2.4 D5	D5244T	2003	2401	5		IN	8631650	2380	28.8	6	98.1	PN	45	K	
C70 2.4 D5	D5204T	2004													
XC90 2.4 D5		2006													
S40 2.4 D5		2010													
S60 2.4 D5						EX	8631651	2381	26.2	6	97.8	PN	45	K	
S80 2.4 D-D5															
V50 2.4 D5															
V70 2.4 D5															
XC70 2.4 D5															
ENG.D5244T															
C30 D3															
C30 D4															
S40 D3															
S40 D4															
V50 D3															
V50 D4															
S80 D5															
VOLVO INDUSTRIAL															
Eng. THD 100 D - Turbo (185/203 KW)		1984	9599	6		IN	4692406	2116	49.0	11	167.3	PN	30	A	
						EX	467503 467857 467682 4678553	2126	46.0	11	167.0	PN	45	A	
															
VOLVO INDUSTRIAL															
Eng. D 100 B (122/147 KW)	D100	1974	9599	6		IN	4692406	2116	49.0	11	167.3	PN	30	A	
						EX	4220174	2118	46.0	11	167.2	PN	45	I	
															
VOLVO INDUSTRIAL															
Eng. TD 100 A Turbo Eng. D 100 A (122/169/192 KW)		1965	9599	6		IN	4220166	2117	50.0	11	167.2	PN	30	H	
						EX	4220174 422285	2118	46.0	11	167.2	PN	45	I	
															
VOLVO INDUSTRIAL															
Eng. D 120 Eng. TD 120A Turbo (117/243 KW)		1970/78	12000	6		IN	4230165	2119	54.0	11	167.2	PN	30	I	
						EX	4230173	2120	50.0	11	167.2	PN	45	I	
						IN	422320	G51316	17.99	11.04	82				Gh
						EX	421297	G51260	17.99	11.04	66				Gh

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.	
VOLVO INDUSTRIAL																
Eng. TD A / C / E / F / G - Turbo Eng. TD 121 F / G / GD - Turbo Eng. TD 122 F / FS - Turbo Eng. TD 123 E / ES - Turbo (227/243/262/283/291/298 KW)		1977 1980 1988 1991	12000	6		IN	4683025	2121	54.0	11	167.2	PN	30	A		
							EX	4683033	2122	50.0	11	167.2	PN	45	A	
							IN		G50278	18.02	11.02	86				Gh
							EX	421790	G51260	17.99	11.04	66				Gh
VOLVO INDUSTRIAL																
Eng. D7A / D7B Turbo Eng. TD 70 E / F / G / H - Turbo Eng. TD 70 FS - Turbo Eng. TD 71 F / FD / FQ / FS - Turbo (155/165/169/175/180/191/210 KW)	D7A D7B	1976 1979 1985 1993	6700 6730	6		IN	4663795	2123	43.0	11	148.5	PN	30	A		
							EX	421680 4653811 4711958	2124	37.0	11	148.6	PN	45	A	
							IN	477877	G52574	15.99	8	64.5				Gh
							EX	477877	G52574	15.99	8	64.5				Gh
VOLVO INDUSTRIAL																
Eng. TD 100 A / B - Turbo Eng. TD 100 F / G - Turbo Eng. THD 100 E - Turbo Eng. TD 101 F / G / GA - Turbo Eng. TD 101 FA / FC / FD Turbo Eng. THD 101 K - Turbo Eng. THD 102 KF - Turbo (160/169/180/200/203-210/220/228/235/262 KW) FL 10-360 FM 10-3	FM10 FL10	1965 1981 1983 1984 1991 1991 1993 2000	9599 9600 12000	6		IN	4675021	2125	50.0	11	167.2	PN	30	A		
								1545290								
								479204								
								8194223								
							EX	467857 8194224 467503 467682 4678553	2126	46.0	11	167.0	PN	45	A	
							EX	21016539 21428679 21428675	2411 5189	40.0 40	8 8	191.7 191.6	PN PN	40 40	K K	
IN	422320	G51316	17.99	11.04	82				Gh							
EX	421790	G51260	17.99	11.04	66				Gh							
VOLVO INDUSTRIAL																
Eng. D 60 Eng. TD 60 Turbo Eng. TD 61 Turbo Eng. TD 61 F / G Turbo Eng. TD 63 E / ES Turbo (85/88/106/111/112/125/132/148/152 KW) FL 180 - 12 FL 220 - 12 FL 250 - 12 FL 250 - 15 Eng. D6A	D6A	1975 1978 1985 1991	5480 6730	6		IN	4655486	2127	41.0	8	145.3	PN	30	XB		
								4205530								
								3825723								
							EX	4655494 8192143	2128	37.0	8	145.3	PN	45	XB	
VOLVO INDUSTRIAL																
Eng. D 16A 4V Turbo Eng. TD 162 F - Turbo Eng. TD 163 ES - Turbo (342/346/370/382 KW)		1987 1991 1994	16100 16120 16121	6		IN	1556472	2130	47.0	9.5	176.6	PN	30	A		
								1543026								
							EX	1543027 1556896 863702 1556473	2131	45.0	9.5	176.6	PN	45	A	

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.									
VOLVO INDUSTRIAL																								
FH 12 - 340 FH 12 - 380 FH 12 - 420 FH 12 - 460 Eng.D12A24V	FH12 D12A	1998 2000	16100	6		IN	1547492 3169490	2141	39.9	8	192.0	PN	30	A										
						EX	20441486 3165234 8148574 20441945									2142	40.0	8	191.7	PN	45	A		
						IN	1546437	G52695	14.99	8.01	83.4				Gh									
						EX	1546437								G52695									14.99
VOLVO INDUSTRIAL																								
Eng. TD 73 E / ES Turbo		1995	6700	6		IN	3978768	2143	43.0	8	149.6	PN	30	A										
						EX	3978766									2384	39.0	8	149.5	PN	45	A		
						IN	477877	G52574	15.99	8	64.5				Gh									
						EX	477877								G52574									15.99
VOLVO INDUSTRIAL																								
Eng. TD 73 E / ES - Turbo (169/191 KW)		1991	6700	6		IN	477447	2376	43.0	8	149.7	PN	30	H										
						EX	477443									2144	39.0	8	149.7	PN	45	H		
						IN		G52574	15.99	8	64.5													Gh
						EX																		G52574
VOLVO INDUSTRIAL																								
FH 16-550 FH 16-610 Eng.D16C	D16C	2002	16123	6		IN	24426433 20739057 20739058	2402	49	10	192.7	PN	25	AP										
						IN	20735572									2404	49.0	10	192.7	PN	20	AP		
						EX	20513284 20513285	2403	46.0	10	191.2	PN	45	A										
						IN																		G52574
						EX		G52574	15.99	8	64.5													
VOLVO INDUSTRIAL																								
FM 12-420 FH 12-420 FH 12-460 FH 12-500 Eng.D12D	D12D	2002	12130	6		IN	20459326	2407	40.0	8	191.7	PN	30	A										
						EX	8148574 3165234 20478551 3165234 20441486									2142	40.0	8	191.7	PN	45	A		
						IN		G52574	15.99	8	64.5													
						EX																		G52574

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	T	α	□	M.		
VOLVO INDUSTRIAL																	
FM 300-340-360-380 Eng.D9B	D9B	2006	9360	6		IN	20528113	2408	38.0	8	192.0	PN	30	K			
							EX	20564039 21430916	2412	36.0	8	192.7	PN	30	K		
VOLVO INDUSTRIAL																	
FM 9-260 FM 9-300 FM 9-340 FM 9-380 FM 12-380 FH 12-380 Eng.D9A	D9A	2002	9360 12130	6		IN	20528113	2408	38.0	8	192.0	PN	30	K			
								20551761									
							IN	20450002	2400	38.0	8	191.7	PN	30	A		
							EX	8148069 20516141	2401	38.0	8	191.5	PN	30	A		
							EX	20570965	2409	38.0	8	191.7	PN	30	K		
VOLVO INDUSTRIAL																	
FH 400/420/440/460/480 FH 500/520/540 FM 360/380/420/480/500 FMX 380/420/460/500/540 9700 / 9900 VHD VNL VAH VNM	D13A360 D13A400 D13A440 D13A480 D13A520 D13B360 D13B400 D13B440 D13B500 D13C380 D13C420 D13C460 D13C500 D13C540	2005 2007 2009 2012 2016	12800	6		IN	20740798	2410	42.0	8	192.0	PN	25	K			
								20561995									
								20712128									
							EX	20768519	2411	40.0	8	191.7	PN	40	K		
VOLVO INDUSTRIAL																	
FH12 FM12 Eng.D12C-D12D-B7R-D7E	D12C D12D B7R D7E320	2007	12000	6		IN	20980413	5226	38.2	8	145.7	PN	30	K			
								20833932									
							EX	20997871 20833936	5227	35.8	8	145.8	PN	45	K		
VOLVO INDUSTRIAL																	
FM 330 FM 370 FM 410 FM 450 FMX 330 FMX 370 FMX 410 FMX 450 B11R	D11A430 D11C330 D11C370 D11C410 D11C450 D11K330 D11K370 D11K380 D11K410 D11K430 D11K450 D11K460	2005 2010 2011 2012 2013	10800	6		IN	20540017	5297	40.0	8	192.0	PN	30	K			
							EX	21430918 20564020	5298	38.0	8	192.7	PN	30	K		

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L		α		M.						
ZASTAVA																					
Yugo 45 Eng. 100 GL 064 (33 KW)	100GL064	1980	903	4		IN	4265695	0220	29.0	7	95.0	CV	45	A							
						EX	4266321	0222	26.0	7	95.0	PN	45	K							
						EX	4377979	0221	26.0	7	95.5	PN	45	A							
						IN	4265699	G50507	13.03	7.02	42.5					Gh					
						EX	4265699	G50507	13.03	7.02	42.5					Gh					
ZASTAVA																					
101 Yugo 55 Eng. 128 A.000 (41 KW)	128A000	1978 1980	1116	4		IN	4239917	0247	36.0	8	108.5	PN	45	A							
						EX	4315062	0248	31.0	8	109.0	PN	45	A							
						IN	4250803	G51467	14.06	8.02	46.5					Gh					
						EX	4250803	G51467	14.06	8.02	46.5					Gh					
						ZETOR															
Tractor 2011 / 2013 / 2017 / 2023 / 2511 Eng. 2001 Tractor 3011 / 3013 / 3016 / 3017 / 3511 Eng. 3001 Tractor 4011 / 4045 / 4511 / 5511 / 5711 Eng. 4001 (16/24/32 KW)	2001 3001 4001	1960/77	1560 2340 3120	2 3 4		IN	950505	0780	39.2	8	129.4	PN	45	N							
						EX	950506	0781	33.2	10	127.5	PN	45	P							
						ZETOR															
						5711						IN	69010554	0786	44.5	10	129.5	PN	45	A	
												EX	69010555	0787	36.6	10	129.5	PN	45	A	
ZETOR																					
Tractor 8011 / 8045 Eng. 8001 Tractor 8611 / 12011 / 12045 Eng. 8601 (55/84 KW)	8001 8601	1969	4562 6842	4 6								IN	480005014	0788	49.3	10	138.9	PN	45	A	
												IN	480005915	0784	49.0	10	139.0	PN	30	A	
						EX	480005015	0789	41.3	10	138.9	PN	45	A							
						ZIL															
						5301	D240 D245 D260	2014	4750 7120	4 6		IN	2401007014B7 2401007014B4 2401007014B9	4400	47.8	11	157.8	PN	30	B	
EX	2401007015B6 2401007015B7 2401007015B9	4401	41.8	11	157.8							PN	45	B							

Mark & Model	Motore	anno	c.c.	No Cyl.	valve/ guide	IN EX	Original Part. No.	GIEFFE Ref.	D	d	L	Y	α	□	M.		
ZOTYE																	
SR9	4G63	2016	1997	4		IN	MD127840	1442	34.0	6.5	109.5	CV	45	A			
							EX	MD127841	1443	30.5	6.5	109.7	CV	45	A		
																	
ZOTYE																	
T600 2008 5008	4G15	2013	1468	4		IN	MD128435	5216	30.9	6.6	100.9	CV	45	A			
							IN	MD188434									
							EX		5214	33.0	6.5	101.0	CV	45	A		
																	
ZOTYE																	
T700 2008 5008	4G18	2015	1598	4		IN	MD339752	5217	29.0	5.5	115.5	CV	45	A			
							EX	MD339754	5218	25.4	5.5	114.7	CV	45	A		
																	

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0001	2036026	4	0100	11341738218	15	0177	2137301	111	0221	5959563	124
0001	116760330001	4	0100	11341739820	15	0177	4153773	112	0221	5963326	124
0001	60507189	4	0100	11341739822	15	0177	4153629	112	0221	5973130	124
0002	116760330101	4	0100	11341438451	15	0177	2137457	112	0221	4377979	273
0002	60732850	4	0101	11347505731	15	0177	2137301	112	0222	4266321	66
0002	60540864	4	0101	11341738219	15	0178	4153696	57	0222	4266321	76
0002	60507190	4	0101	11341739821	15	0178	4153697	111	0222	4266321	76
0002	2037025A	4	0101	11341739823	15	0178	2137300	111	0222	4266321	273
0002	2037018	4	0102	094864	189	0178	2232717	111	0223	5976236	66
0002	60507190	4	0103	094965	189	0178	2237221	111	0223	4400640	66
0002	195580330100	4	0106	11341731640	16	0178	3371776	111	0231	4137337	66
0006	116080330101	1	0106	11341435480	16	0178	4153696	111	0232	4137338	66
0045	86K944	13	0106	11341408015	16	0178	4153696	111	0233	4250799	67
0047	NKJ0032	13	0106	11341736549	16	0178	4153696	112	0234	4147475	67
0048	11341705560	14	0107	11341736558	16	0185	826244M1	141	0234	4250800	67
0062	11342242621	19	0107	11341433699	16	0186	826245M1	141	0234	4252787	67
0062	11341279141	19	0107	11341408016	16	0193	81710772	86	0239	4080364	67
0062	11342242624	19	0107	11341741231	16	0193	EIADDN6507	86	0240	4111154	67
0063	11341275965	19	0107	11341435482	16	0195	723F6505ABA	86	0243	4127674	67
0063	11342242622	19	0107	11341433481	16	0195	81854802	86	0244	4127675	67
0063	11342242623	19	0107	11341433481	16	0195	EIADDN6505C	86	0244	4146641	67
0064	11342243328	19	0108	11341736567	16	0198	C5NE6507A	87	0247	4460697	67
0065	11342244282	19	0108	11341731642	16	0198	D3NN6507A	87	0247	5999660	67
0070	11341257592	14	0108	11341433482	16	0198	81823823	87	0247	4239917	67
0070	11341273592	14	0108	11341433700	16	0198	87800344	87	0247	4239917	76
0071	11341250129	14	0108	11341435476	16	0199	C5NE6505A	87	0247	5999660	124
0071	11341269419	14	0109	11341433701	16	0199	81843651	87	0247	4239917	124
0071	11341710788	14	0109	11341435478	16	0199	D3NN6505A	87	0247	4460697	124
0071	11341250129	14	0109	11341433483	16	0204	4058859	65	0247	4239917	273
0071	11341269419	14	0109	11341741230	16	0204	4062108	65	0248	5973128	76
0071	11341710788	14	0109	11341731643	16	0204	4294098	65	0248	4315062	76
0072	1267687	14	0109	11341736576	16	0205	4374855	65	0248	4314869	124
0072	11341265453	14	0114	11341738220	16	0205	5977214	65	0248	4315062	124
0072	1265453	14	0114	11341438449	16	0205	4340268	65	0248	5973128	124
0072	11341267721	14	0115	11347502351	16	0205	4146638	65	0248	96700315	124
0073	1271273	14	0115	11341738221	16	0205	4094941	65	0248	5973128	125
0073	1280643	14	0122	AM1247E	34	0205	4374855	65	0248	4315062	125
0073	11341280643	14	0122	5457475	34	0205	4094941	65	0248	4315062	273
0073	1267688	14	0122	95536026	34	0205	4340268	65	0253	4173746	67
0073	11341267722	14	0123	95536027	34	0205	5977214	65	0253	4255694	67
0080	1709955	14	0123	AM1248D	34	0205	4146638	65	0253	4255779	67
0080	11341727358	14	0123	5457476	34	0205	4094941	68	0253	4173746	125
0080	11341727358	15	0128	95638449	39	0205	4146638	68	0253	4255694	125
0080	11341706941	15	0128	96012815	39	0205	4374855	68	0253	4255779	125
0081	11341727352	14	0129	95638450	39	0205	5977214	68	0254	7597080	3
0081	1717978	14	0129	96012816	39	0205	4340268	68	0254	5953041	3
0081	11341117579	15	0154	3460530001	159	0210	4132958	66	0254	5953041	67
0081	11341727352	15	0154	3460530101	159	0211	4064702	66	0254	4293992	67
0081	11341717878	15	0155	3460530005	159	0212	4121897	66	0254	4469661	67
0082	11341713731	15	0155	3550500127	159	0213	4121898	66	0254	5975341	67
0083	11341720827	15	0155	3460530105	159	0214	4265690	66	0254	7597080	67
0083	11341708895	15	0163	6160530201	156	0215	5977614	66	0254	7631719	67
0084	11341720828	15	0163	6160530301	156	0215	4265692	66	0254	4359309	67
0084	11341708896	15	0163	6170530001	156	0219	4294099	65	0254	4293992	71
0086	11341739658	15	0163	6160530301	232	0219	4294099	68	0254	7631719	71
0086	11341739658	15	0163	6160530401	232	0220	46407749	66	0254	7597080	71
0086	11341436949	15	0164	6160500027	156	0220	4265695	66	0254	5975341	71
0087	11341436950	15	0164	6160500127	156	0220	46427459	66	0254	5953041	71
0087	11341433893	15	0164	6170500027	156	0220	5959564	66	0254	4359309	71
0087	11341739665	15	0164	6160500527	156	0220	4265695	76	0254	4359309	71
0098	11342244858	19	0164	6160500027	232	0220	4265695	76	0254	4469661	71
0098	11342244814	19	0164	6160500527	232	0220	4259853	124	0254	7597080	125
0098	11342246524	19	0173	3369307	111	0220	4265695	124	0254	7631719	125
0098	STC2156	133	0174	3369308	111	0220	5959564	124	0254	5975341	125
0098	641058	183	0175	3358980	111	0220	4265695	273	0254	5953041	125
0098	641041	183	0175	3358982	111	0221	7783841	66	0254	4469661	125
0098	STC2156	214	0176	3358984	111	0221	7736408	66	0254	4359309	125
0099	11342246525	19	0176	3358981	111	0221	5973130	66	0254	4293992	125
0099	11342244815	19	0177	4153629	57	0221	5959563	66	0254	4293992	125
0099	11342244851	19	0177	4153631	111	0221	4377979	66	0254	4359309	125
0099	STC2149	133	0177	4153773	111	0221	4183555	66	0254	5975341	125
0099	641346	183	0177	4150036	111	0221	4377979	76	0254	7597080	125
0099	641374	183	0177	2137457	111	0221	4274135	124	0254	4293992	128
0099	STC2149	214	0177	4153629	111	0221	4377979	124	0254	4359309	128

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0254	4469661	128	0296	61316814	61	0362	81SM6505AG	78	0407	7700638247	204
0254	5953041	128	0296	61320722	61	0362	81SM6505BG	78	0407	7700666112	204
0254	5975341	128	0296	61370865	61	0362	V86SF6505AA	78	0407	7700638247	205
0254	7597080	128	0296	61318428	61	0362	89SM6505AG	78	0407	7700666112	205
0254	7631719	128	0297	61315973	5	0362	6103818	78	0407	7700677772	205
0255	4300760	67	0297	61321255	61	0364	6172851	83	0407	7701460690	205
0255	4300760	125	0297	61315973	61	0364	1113197	83	0407	7701461214	205
0258	21011007010	123	0298	4535358	61	0364	89FF6507FA	83	0407	7701461802	205
0258	4183269	123	0299	4632840	58	0364	1012773	83	0407	7701463181	205
0259	21011007012	123	0299	4535359	61	0364	6781619	83	0407	6001004967	205
0259	4183270	123	0299	4632840	61	0364	6781621	83	0407	7701461802	207
0263	4351243	68	0299	4632840	61	0364	93FF6507AF	83	0407	7701463181	207
0263	4365783	68	0299	4535359	61	0364	89FF6507FB	83	0407	6001004967	207
0264	4340118	68	0302	4580688	58	0364	1078433	83	0407	7700638247	207
0264	4340118	76	0302	4580688	62	0364	89FF6507AA	83	0407	7700666112	207
0266	4379986	68	0304	98480846	5	0364	93FF6507AA	83	0407	7700677772	207
0269	1901964	60	0304	4695850	59	0365	6172854	83	0407	7701460690	207
0269	4621511	60	0304	4683025	59	0365	6172845	83	0407	7701461214	207
0280	4741915	60	0304	4683025	59	0365	6172848	83	0407	32674376	264
0280	4741915	73	0304	98480846	62	0365	93FF6505AA	83	0407	32776957	264
0281	4733348	60	0304	4683025	62	0365	89FF6505AA	83	0407	32778136	264
0281	4733348	73	0304	4638615	62	0365	89FF6505AA	83	0412	7700690577	205
0286	60105343	58	0305	99452179	5	0365	89FF6505FA	83	0412	7701462385	205
0286	4659379	58	0305	4683026	59	0368	894F6507A1B	83	0412	32874190	264
0286	1901963	58	0305	2991999	59	0368	1050570	83	0414	7701465172	205
0286	1902205	58	0305	99452179	62	0369	6200033	83	0415	7701465173	205
0286	60105343	60	0305	2991999	62	0369	894F6505A1B	83	0422	1218394	91
0286	1901963	60	0305	4683026	62	0380	1051773	78	0423	1218383	91
0286	4659379	60	0310	4704214	59	0381	1069529	78	0428	1235104	92
0286	1902205	60	0311	4704215	59	0381	1101934	78	0429	1240265	92
0287	4621484	58	0311	4808415	59	0381	1101934	80	0429	1235105	92
0287	4673608	58	0312	4638617	59	0381	XS6G6505B2A	80	0448	7701471378	47
0287	4658055	58	0312	4638617	62	0382	6742922	78	0448	1320100QAA	169
0287	4658055	58	0313	4684088	59	0382	1041830	78	0448	7701472124	205
0287	4621484	60	0313	4684088	62	0383	1033898	78	0448	7701471378	205
0287	4673608	60	0314	4684089	59	0384	97MM6507A2B	78	0449	7701471379	47
0287	4658055	60	0314	4684089	62	0384	1051772	78	0449	7701473354	47
0287	4658055	60	0319	7609772	76	0385	56GC6505A2A	78	0449	1320200QAA	169
0288	4824416	58	0319	7609772	125	0385	1139387	78	0449	7701473355	205
0288	99432652	58	0320	7617500	125	0386	1041838	78	0449	7701471379	205
0288	98435622	58	0328	4802204	58	0386	928M6507F2A	78	0449	7701473354	205
0288	4803805	58	0328	4802204	61	0387	1033899	78	0462	82316779	68
0288	1904656	58	0328	4802204	61	0390	1053844	79	0462	82316779	125
0288	4784888	58	0330	98448462	59	0391	1124512	79	0463	82336458	68
0288	4824416	61	0330	98497241	59	0391	1053842	79	0463	823399550	68
0288	4803805	61	0330	4860106	59	0391	1066044	79	0463	823399550	125
0288	1904656	61	0330	98443427	59	0398	771M6507DA	79	0463	82336458	125
0288	98435622	61	0331	4860107	59	0398	771M6507EA	79	0516	8824754	59
0288	4784888	61	0331	1908427	59	0398	771M6507GA	79	0516	4821709	59
0288	99432652	61	0340	84FM6507CB	82	0398	801M6507GA	79	0517	8830045	59
0288	1908408	61	0340	84FM6507AB	82	0398	801M6507JA	79	0517	8825776	59
0288	98435622	61	0340	1631007	82	0400	785F6507AAA	83	0517	4821711	59
0288	1904656	61	0340	84FM6507AC	82	0401	785F6505AAA	83	0524	8806875	60
0289	1904655	58	0340	84FM6507BB	82	0402	7700565824	204	0524	8821781	60
0289	4784889	58	0341	84FM6505AC	82	0402	7701458152	204	0525	8806876	60
0289	4789890	58	0341	1631002	82	0405	7701458180	46	0525	8821782	60
0289	4806717	58	0342	80BM6507AC	77	0405	7701458180	204	0530	7438610007	205
0289	4806718	58	0342	80BM6507BC	77	0405	7701458186	204	0530	9207874	267
0289	99432718	61	0342	80BM6507AB	77	0405	7700561318	204	0530	13976410	267
0289	99432718	61	0342	77BM6507AB	77	0405	7701458180	204	0531	7438610008	205
0289	99432717	61	0343	84BM6505GA	77	0405	7701458186	204	0531	9207977	267
0289	4806717	61	0343	77BM6505AC	77	0405	3267437	264	0531	1366490	267
0289	4784889	61	0344	77BM6507DB	77	0405	31044019	264	0531	9207880	267
0289	1908410	61	0344	80BM6507DC	77	0405	31044019	264	0531	9471466	267
0289	4806718	61	0354	78TM6507AA	77	0406	7700639627	205	0531	9471463	267
0289	1904655	61	0354	78TM6507BA	77	0406	7701460699	205	0531	13668827	267
0289	1904666	61	0354	78TM6507CA	77	0406	32776932	264	0531	13668827	267
0290	8823545	58	0360	81SM6507KF	77	0407	7700638247	46	0535	13177936	265
0290	8823548	58	0360	89SM6507AA	77	0407	6001004967	204	0536	13177928	265
0291	8823549	58	0360	89SM6507AA	78	0407	7701463181	204	0537	4633954	265
0291	8823544	58	0360	6086114	78	0407	7701461802	204	0538	12766879	265
0294	4535494	58	0360	81SM6507KF	78	0407	7701461214	204	0538	35472471	265
0295	4535495	58	0360	6172656	78	0407	7701460690	204	0538	4635264	265
0296	61316814	5	0361	81SM6505AF	77	0407	7700677772	204	0539	13784731	265

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0540	13784749	265	0618	094833	189	0640	7700853390	206	0679	ERR6612	133
0540	35144914	265	0618	094855	190	0640	6001548030	206	0679	ERR6612	214
0544	6842421	265	0619	094955	190	0641	7701465090	47	0680	114020249	224
0544	1397190	265	0619	094956	190	0641	7701468149	47	0680	441012093466	224
0545	6842422	265	0619	094969	190	0641	7701465090	206	0680	047109601	224
0545	1397191	265	0620	094830	190	0641	7701468419	206	0681	441012093476	224
0556	641015	179	0621	094923	190	0641	7700865934	206	0681	114020266	224
0557	641317	179	0621	094928	190	0641	7700865832	206	0681	047109611	224
0557	90409996	179	0621	094923	190	0641	6001548029	206	0696	094851	191
0572	642763	179	0621	094928	190	0648	7700648969	204	0696	3780600	191
0572	90409992	179	0622	094831	190	0648	7700509771	204	0696	131336	191
0572	641002	179	0622	7910030957	190	0649	7700560792	204	0696	553421	191
0572	90323519	179	0623	094929	190	0649	7701458190	204	0697	3781100	191
0573	642890	179	0623	094931	190	0649	7701460256	204	0697	131337	191
0573	641302	179	0623	91502890	190	0649	31005192	264	0697	554682	191
0577	3142A051	188	0624	95563504	34	0649	3267436	264	0708	7701465495	207
0577	3142A051	188	0624	094838	34	0650	7701466716	167	0710	7701465496	207
0578	31431681	187	0624	95551307	34	0650	7701465107	209	0711	7701465497	207
0579	31431761	187	0624	7910025378	34	0650	7701466716	209	0712	7701466606	207
0580	731151M1	141	0624	7910025377	34	0650	7701462813	209	0712	33448416	266
0580	732811M1	141	0624	7910010826	190	0650	7700738494	209	0713	7701466607	207
0581	731152M1	141	0624	7910025377	190	0650	7700702871	209	0713	33448424	266
0581	737640M1	141	0624	094838	190	0650	32879660	267	0714	M889130	167
0585	0910060	141	0624	7701459824	205	0651	7701466717	167	0714	M852144	167
0586	734106M1	141	0624	7910025377	205	0651	7701462814	209	0714	7701468190	210
0587	795730R1	101	0625	7910030808	34	0651	7701462814	209	0714	7701471704	210
0587	733819M1	141	0625	95551308	34	0651	7700696117	209	0714	7701471704	210
0587	31431315	188	0625	094942	34	0651	32879678	267	0714	7701469369	210
0587	31431103	188	0625	7910025382	34	0652	7700713788	206	0714	3345515	267
0587	31431641	188	0625	094942	190	0652	7701463081	206	0714	30852144	267
0587	31431311	188	0625	7910006855	190	0652	33422783	266	0715	M889131	167
0587	31431351	188	0625	094933	190	0653	7700713790	206	0715	M852146	167
0587	31431871	188	0625	7701459825	205	0653	7701463082	206	0715	7701468193	210
0588	795729R1	101	0625	7910025379	205	0653	33243997	266	0715	7701469371	210
0588	733818M1	141	0626	83EM6507AA	83	0653	33437385	266	0715	7701468623	210
0588	31431881	188	0626	094837	197	0654	7701468035	209	0715	30852146	267
0588	31431931	188	0629	094832	190	0655	7701462137	207	0715	3345516	267
0588	31431851	188	0630	7701462232	107	0655	7700682064	207	0717	7701471705	210
0588	31431891	188	0630	7701461338	209	0658	094860	191	0717	7701469373	210
0588	31431791	188	0630	7701462232	209	0658	7701464556	207	0718	1371131030	54
0588	31431109	188	0630	7701462232	209	0659	95536523	35	0719	1371531030	54
0588	31431104	188	0630	7700692312	209	0659	094938	62	0719	1371531050	54
0589	31431741	187	0630	7700663545	209	0659	094938	191	0720	7701468169	210
0589	31431281	187	0631	7701461339	107	0659	7701464794	206	0720	7701469684	210
0590	31431941	187	0631	7700663546	209	0659	7701460148	206	0721	7701468170	210
0590	31431271	187	0631	7701461339	209	0659	7701460143	206	0721	7700859517	210
0590	31431591	187	0635	95536524	34	0659	7700733512	206	0724	1371131050	54
0590	31431591	187	0635	094836	62	0659	7700644709	206	0724	1371131050	239
0591	BDU1399	187	0635	7910245390	126	0659	7700740221	206	0724	1371131050	239
0591	LGH10036	187	0635	094836	191	0659	7700701645	206	0725	1371531070	54
0592	BDU1400	187	0635	094836	191	0659	7701464557	207	0725	1371531070	239
0592	LGH10037	187	0635	7700635409	206	0670	ERR1157	133	0726	MW30620685	167
0600	094839	189	0635	7700644710	206	0670	ERR1157	214	0726	13201AW300	176
0601	094934	189	0635	7700709794	206	0671	ERR1156	133	0726	1320100QAC	176
0601	094936	189	0635	7701460147	206	0671	ERR1156	214	0726	1320100QAM	176
0601	094944	189	0635	7701463786	206	0671	ERR1156	214	0726	4402633	183
0610	094834	189	0635	7701465325	206	0672	ERR3777	214	0726	4415921	183
0611	91520847	34	0635	7910245390	206	0674	14711P5TG01	96	0726	7701476024	210
0611	7910028074	62	0635	2453900	265	0674	LGH100990	138	0726	7700110387	210
0611	094927	62	0637	7910246494	126	0674	LGH100990	214	0726	7701471702	210
0611	094921	189	0637	094930	191	0675	14721P5TG01	96	0726	1291067JG0	237
0611	094921	189	0637	094932	191	0675	LGH100980	138	0727	MW30620686	167
0611	094927	189	0637	7910245802	206	0675	LGH100980	214	0727	1320200QAN	176
0616	78EM6507AA	83	0637	7900000681	206	0677	11342247077	20	0727	13202AW300	176
0616	094827	197	0637	7701463787	206	0677	11342247077	20	0727	4402634	183
0616	094841	197	0637	2458024	265	0677	11342247077	21	0727	4415922	183
0617	78EM6505AA	83	0638	607598100	204	0677	LGH101450	133	0727	7701476025	210
0617	094925	197	0638	5555751	204	0677	LGH101450	133	0727	7701471703	210
0617	094939	197	0639	5555263	204	0677	LGH101450	138	0727	7700110389	210
0617	094925	197	0639	7701458195	204	0677	LGH101450	138	0727	1291567JG0	237
0618	91510548	34	0639	7700555263	204	0677	LGH101450	214	0728	4351237	68
0618	7910029730	62	0640	7701465088	47	0677	LGH101450	214	0729	4365782	68
0618	094833	62	0640	7701465088	206	0678	ERR6611	133	0734	311109601	250
0618	094829	189	0640	7700273371	206	0678	ERR6611	214	0734	311109601	254

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0735	113109612A	254	0820	094846	40	0840	9605936180	68	0857	094996	41
0735	311109612	254	0820	094846	198	0840	9605936180	126	0857	9624774580	73
0735	311109612A	254	0820	9751668980	198	0840	094866	192	0857	9624774580	130
0741	052109601	250	0821	93510774	40	0841	9614703280	35	0857	094996	199
0742	052109611	250	0821	094973	40	0841	094972	35	0857	094996	237
0742	052109611	252	0821	96272853	40	0841	96059362	35	0858	094883	36
0780	950505	273	0821	96005392	40	0841	9606070480	35	0859	094989	36
0781	950506	273	0821	93510773	40	0841	094976	35	0859	0949A8	37
0784	480005915	273	0821	93501280	40	0841	9153501980	68	0859	0949C5	37
0786	69010554	273	0821	93501280	40	0841	9614703280	68	0859	0949A8	57
0787	69010555	273	0821	96137360	40	0841	9611782880	126	0859	0949A8	194
0788	480005014	273	0821	50060609	50	0841	094976	192	0859	094989	194
0789	480005015	273	0821	F5060609	50	0841	094966	192	0860	LGH10029	132
0790	690GC2187B	140	0821	2221229000	100	0841	094972	192	0860	LGH10029	136
0790	690GC2187A	140	0821	094947	124	0842	094867	193	0860	LGH10029	138
0791	688GC2352A	140	0821	094973	198	0843	094967	193	0860	LGH10029	212
0792	690GC2193	140	0821	094974	198	0844	96007817	40	0860	LGH10029L	212
0793	688GC337A	140	0821	094960	198	0844	96008334	40	0861	LGH10028	132
0794	690GC2210	140	0821	094947	198	0844	094868	40	0861	LGH101190	136
0795	688GC2378	140	0821	094964	198	0844	9600781780	73	0861	LGH101190	138
0796	690GC2200	140	0821	094947	198	0844	9600781780	130	0861	LGH100820	212
0797	688GC2373	140	0821	094960	198	0844	094868	199	0861	LGH101190	212
0798	7701471780	207	0821	094964	198	0845	094968	40	0861	LGH10028	212
0799	7701471781	207	0821	094973	198	0845	96042957	40	0862	WAM4002	212
0800	7701468960	208	0821	9751669380	198	0845	96079213	40	0863	LGH101180	212
0800	7700112413	208	0821	LGH10052	215	0845	9604295780	73	0863	WAM4003	212
0801	7701468961	208	0821	LGH10054	215	0845	9604295780	130	0872	094893	36
0801	7700112412	208	0821	LGH10075	215	0845	094968	199	0872	094893	193
0802	7701468861	208	0821	1291566G00	237	0846	094884	40	0873	0948A4	36
0802	7700865550	208	0821	1291586CA0	237	0846	094884	199	0873	0948A4	193
0803	7701468862	208	0821	254705125113	238	0847	094990	40	0874	0949A4	36
0803	7700865551	208	0821	SU00100101	245	0847	094990	199	0874	0949A4	193
0806	1320100QAH	169	0822	094840	198	0848	0948F6	40	0875	094899	37
0806	7701469266	208	0823	094937	198	0848	1683701	84	0875	9623950380	69
0807	1320200QAG	169	0824	93500418	83	0848	9M5Q6507AA	84	0875	9623950380	126
0807	7701469269	208	0824	83EM6507BB	83	0848	0948F6	199	0875	094899	194
0814	0948A8	40	0824	094849	200	0849	094891	36	0876	094999	37
0814	96150145	40	0824	094853	200	0849	094891	193	0876	9636001780	69
0814	094874	40	0825	93500889	83	0850	96096851	36	0876	9636001780	126
0814	9603345480	198	0825	83EM6505AB	83	0850	094873	36	0876	094999	194
0814	094874	198	0825	094945	199	0850	96101886	36	0876	094999	194
0815	96150144	40	0825	094950	200	0850	094865	193	0877	0948A7	37
0815	094980	40	0828	91537492	35	0850	094873	193	0877	0948C6	37
0815	094980	198	0828	91512944	35	0851	96096852	36	0877	0948A7	194
0816	094859	40	0828	094847	35	0851	96101887	36	0877	0948C6	194
0816	094863	40	0828	91512096	35	0851	094970	36	0878	0949A7	37
0816	094894	40	0828	094847	192	0851	094970	193	0878	0949C2	37
0816	F5054982	50	0829	094952	192	0852	094872	41	0878	0949C2	194
0816	50054982	50	0830	91518971	35	0852	96095457	41	0878	0949A7	194
0816	2221129000	100	0830	094854	192	0852	094872	199	0879	0948A3	41
0816	094894	124	0831	91518972	35	0853	094979	41	0879	1231931	84
0816	094859	198	0831	094954	192	0853	96096146	41	0879	9627184380	130
0816	094863	198	0833	138851	192	0853	9610612480	199	0879	0948A3	200
0816	094894	198	0833	094953	192	0853	094979	199	0879	8653745	268
0816	LGH10053	215	0833	138851	192	0853	094993	199	0880	0949A3	41
0816	LGH10051	215	0833	094953	192	0854	94892	36	0880	0949A3	41
0816	1283266G00	237	0833	9751668880	192	0854	9628943380	68	0880	1231930	84
0816	1291166G00	237	0834	094852	192	0854	9628943380	126	0880	1231930	84
0816	1291186CA0	237	0834	9751651580	192	0854	094886	193	0880	9634437580	130
0816	254705125114	238	0836	094848	192		(to 7664)		0880	0949F1	199
0816	SU00100100	245	0837	094949	192	0854	094892	193	0880	0949A3	199
0817	91513446	35	0838	97531080	36		(from 7665)		0880	0949A3	200
0817	91537493	35	0838	094858	36	0855	0949A6	36	0880	0949F1	200
0817	91508631	35	0838	094858	193	0855	094992	36	0880	8653744	268
0817	094952	35	0839	97531044	36	0855	9629861180	68	0881	0948C0	41
0817	094948	192	0839	094959	36	0855	9629861180	126	0881	0948C0	41
0818	97531079	35	0839	094959	193	0855	094992	193	0881	9635317980	73
0818	97531079	35	0839	094959	193	0855	0949A6	193	0881	9635317980	130
0818	094857	191	0839	094959	193	0856	094895	41	0881	0948C0	200
0819	97531046	35	0839	094959	193	0856	9624774280	73	0881	0948C0	200
0819	094958	35	0840	9606070180	35	0856	9624774280	130	0881	0948C0	237
0819	094958	191	0840	96059361	35	0856	094895	199	0882	0949A9	41
0820	93501070	40	0840	094866	35	0856	094895	237	0882	9635318480	73
0820	93501279	40	0840	9153501780	68				0882	9635318480	130

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
0882	0949A9	200	1006	7701474287	208	1078	2M6402	24	1126	049109611A	251
0882	0949A9	200	1007	1320200QAE	170	1078	1P0407	24	1129	069109601	10
0882	0949A9	237	1007	4411049	179	1078	1N4885	24	1130	069109601C	10
0883	0948A1	37	1007	93160646	179	1079	1P1081	24	1130	069109601D	10
0883	0948C5	37	1007	7701473101	208	1079	7S9345	24	1130	069109601D	259
0883	0948A1	194	1007	7701471280	208	1079	1P2629	24	1130	072109601	259
0883	0948C5	194	1007	7701474286	208	1079	7N9541	24	1130	069109601C	259
0883	0948A1	194	1008	1886246	247	1079	2M6403	24	1130	069109601C	268
0884	0949A2	37	1009	1886247	247	1079	7E7830	24	1130	9135926	268
0884	0949A2	194	1010	294674	217	1079	8N3725	24	1130	13281472	268
0885	094881	200	1010	352212	217	1080	9L7682	25	1130	13280888	268
0885	094898	200	1010	352211	217	1081	9N5125	25	1130	13892617	268
0886	094986	200	1010	1360836	217	1081	1196772	25	1131	068109611C	10
0887	094882	37	1010	294674	217	1081	9L7683	25	1131	068109611D	10
0887	094882	194	1010	1360836	217	1082	5S6452	25	1131	072109611	10
0888	094987	37	1011	1887056	217	1082	7S8809	25	1131	068109611C	11
0888	094987	194	1011	1887056	217	1082	2W2621	25	1131	068109611D	11
0889	0948A9	37	1011	1886946	217	1082	9N6117	25	1131	072109611	11
0889	0948E0	37	1013	1854801	217	1083	5S6449	25	1131	068109611D	259
0889	0949A9	57	1013	1781847	217	1083	5S7232	25	1131	068109611C	259
0889	0948A9	194	1014	1854802	217	1083	7S6767	25	1131	072109611	259
0890	LGH101060	212	1015	1386647	218	1083	8N0875	25	1131	068109611C	261
0890	LGH10020	212	1016	1903846	218	1084	9N0180	25	1131	068109611D	261
0891	LGH10049	212	1019	324675	217	1085	9N0185	25	1131	072109611	261
0891	LGH101000	212	1019	1361191	217	1086	6N9915	25	1131	13280896	268
0891	LGH101140	212	1019	289483	217	1086	7N0572	25	1131	13281480	268
0892	094875	37	1020	272804	218	1086	2W2620	25	1131	13892625	268
0892	094875	195	1020	1361190	218	1087	7N0573	25	1131	068109611C	268
0893	094981	37	1020	1361192	218	1087	6N9916	25	1131	9135927	268
0893	094981	195	1020	1361192	218	1087	1007861	25	1132	058109601C	6
0894	0948C2	41	1020	272804	218	1087	1487455	25	1132	058109601C	6
0894	1145933	84	1020	1361190	218	1092	60513310	1	1132	058109601C	218
0894	1152191	84	1021	243477	217	1092	60564098	1	1132	058109601C	218
0894	Y40112111	148	1021	1361197	217	1092	195360330000	1	1132	058109601C	224
0894	0948C2	200	1021	243477	218	1093	60512751	1	1132	058109601C	224
0894	SU00100551	245	1021	1361197	218	1093	195100330105	1	1132	058109601C	251
0895	0949B1	41	1021	243477	218	1094	60512982	1	1132	058109601C	251
0895	1145932	84	1021	1361197	218	1095	60601089	1	1133	058109611M	6
0895	1152190	84	1022	270247	218	1096	60525336	1	1133	068109611D	6
0895	1202362	84	1023	1100997	217	1096	A133798	1	1133	058109611M	218
0895	Y40112121	148	1023	1397521	217	1097	60525337	1	1133	068109611D	218
0895	0949B1	200	1023	1116987	217	1097	A133799	1	1133	058109611M	224
0895	SU00100552	245	1023	232018	217	1098	A134957	1	1133	058109611M	224
0896	0948C8	38	1023	1360834	217	1098	60540326	1	1133	058109611M	224
0896	0948C8	195	1023	352347	217	1099	60540325	1	1133	068109611D	224
0897	0949C4	38	1023	1360834	218	1099	A134958	1	1133	058109611M	251
0897	0949C4	195	1023	232018	218	1100	60513702	1	1133	068109611D	251
0898	11347805968	20	1023	232018	218	1100	60625603	1	1135	058109611E	6
0898	0948C7	41	1023	232018	218	1100	195610330000	1	1135	058109611E	218
0898	9645024780	73	1023	1360834	218	1101	60513703	1	1135	058109611E	224
0898	1229882	84	1028	391608	218	1101	195610330100	1	1135	058109611E	251
0898	Y60112111	148	1028	1319081	218	1102	60667700	1	1151	690GC342	140
0898	11347805968	162	1029	1360833	218	1102	60582738	1	1152	688GC344	140
0898	0948C7	200	1029	366256	218	1102	55186769	1	1153	690GC425A	140
0898	30711498	268	1029	278102	218	1103	60582739	1	1154	688GC416	140
0899	11347805969	20	1066	4N5654	23	1104	8941539690	103	1175	9454607	266
0899	0949C3	41	1066	1152368	23	1104	8942512750	103	1176	9454610	266
0899	9640840080	73	1066	1W3859	23	1105	8944410740	103	1177	9454608	266
0899	1229883	84	1066	2W2622	23	1105	8971197510	103	1178	1342220	51
0899	Y60112121	148	1067	1061111	23	1105	8942514400	103	1178	1342220	230
0899	11347805969	162	1067	4N5653	23	1105	8942512760	103	1179	1362696	51
0899	0949C3	200	1067	1W3860	23	1116	8942171780	103	1179	1362696	53
0899	30711497	268	1067	1152367	23	1117	8942171790	103	1179	1654942	53
1004	7W8064	23	1070	8H1993	24	1118	046109601K	5	1179	1362696	90
1004	611589	23	1071	8H1994	24	1118	049109601F	5	1179	1362696	230
1004	1614280	23	1072	6H3026	24	1118	049109601K	251	1187	211260	52
1005	1051779	23	1072	4F213	24	1118	049109601F	251	1187	257263	52
1005	7W2699	23	1073	4F212	24	1119	049109611F	5	1188	210504	52
1005	6115590	23	1074	7M7358	24	1119	049109611K	5	1188	517472	52
1005	1360819	23	1075	7M7359	24	1119	049109611F	251	1188	257265	52
1006	1320100QAE	170	1075	9M4163	24	1123	068109601	10	1189	613965	52
1006	4411048	179	1076	7M7817	24	1124	068109611	10	1189	674830	52
1006	93160645	179	1077	8H7097	24	1124	068109611	10	1190	613966	52
1006	7701471279	208	1077	8N3723	24	1125	049109601A	251	1190	674829	52

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
1191	242253	52	1262	C60112111	142	1315	1584022	80	1359	81596819	86
1192	242199	52	1262	30711639	266	1315	LF0112111	142	1359	723F6505GAA	86
1193	655395	52	1263	1113189	79	1315	30777329	266	1359	693F6505AAB	86
1193	267356	52	1263	1S6C6505BA	79	1316	1324131	80	1359	2701E6505A	86
1194	655398	52	1263	1113189	79	1316	1124378	80	1359	813F6505DAA	86
1194	267357	52	1263	C40112121	142	1316	1584019	80	1364	78HM6505CA	82
1196	286292	52	1263	C40112121	142	1316	LF0112121	142	1369	510E507B	86
1197	286291	52	1263	30711638	266	1316	LF0212121	142	1380	1291160B20	88
1198	1259989	52	1271	0948E6	42	1316	30777328	266	1380	96060053	88
1198	266305	52	1271	9660035980	74	1317	1324691	80	1380	96060053	235
1199	266306	52	1271	1121333	84	1317	1324691	142	1380	1291160B20	235
1199	1254382	52	1271	1121331	84	1317	L80112111	142	1381	96060054	88
1206	13201N8501	170	1271	1217148	84	1317	1211483	142	1381	1291560B70	88
1207	1320278501	170	1271	1216915	84	1317	8694781	266	1381	96060054	235
1207	13202N0401	170	1271	1738494	84	1318	1324690	80	1381	1291560B70	235
1207	13202S0500	170	1271	BK2Q6507BB	84	1318	1324690	142	1393	21007038	88
1207	13202N0400	170	1271	XS7Q6507A2C	84	1318	L80112121C	142	1394	21007037	88
1207	13202N6800	170	1271	0948E6	200	1318	8694780	266	1394	21000637	88
1207	13202N0401	170	1271	9675708880	200	1319	1198044	83	1394	21007154	88
1208	13202N8500	170	1272	0949E3	42	1319	1352129	83	1395	21007039	89
1209	1320117F00	170	1272	9660640080	74	1319	1078429	83	1396	21007040	89
1210	1320222F00	170	1272	1121332	84	1324	91XM6507AC	80	1398	55195535	4
1211	1320169A00	170	1272	1134466	84	1324	7076363	80	1398	46802049	4
1211	1320131M00	170	1272	1214456	84	1325	91XM6505AB	80	1398	93185523	23
1212	1320231M00	170	1272	1706990	84	1325	6576229	80	1398	55195535	32
1212	1320269A00	170	1272	0949E3	200	1326	86TM6507FA	81	1398	46802049	32
1213	1320178500	170	1272	9675709680	200	1327	86TM6505AD	81	1398	55195535	74
1213	13201A1100	170	1273	T1464557	33	1328	88TM6507AA	81	1398	46802049	74
1221	132029F610	170	1273	094961	191	1329	88TM6505AA	81	1398	55195535	131
1221	132029F600	170	1275	1096250	85	1331	74TM6507AB	81	1398	46802049	131
1221	132029F600	170	1276	1096248	85	1331	89BM6505CA	81	1398	641075	183
1221	132020M200	170	1277	1151997	79	1331	1038606	81	1398	641073	183
1221	1320295FOB	170	1277	1320926	79	1331	1653978	81	1398	641074	183
1224	132012F000	170	1277	C40112111A	142	1331	1E0312121	142	1398	641074	183
1224	1320153Y00	171	1281	78TM6505FA	77	1332	6165228	81	1398	93178587	216
1224	132014M500	171	1281	78TM6505GA	77	1332	89BM6507BA	81	1399	55202557	4
1224	132014M700	171	1281	78TM6505HA	77	1332	1E0312111	142	1399	93178588	23
1224	1320171J00	171	1283	1449108	85	1333	77BM6505DB	77	1399	55202557	32
1224	1320157Y00	171	1283	6M346507AA	85	1333	77BM6505EB	77	1399	55202557	74
1224	132012F000	171	1283	WE0112111	148	1336	919M6507AA	81	1399	55202557	131
1225	132022F000	171	1283	6M346507AA	148	1337	919M6505AA	81	1399	641403	183
1225	1320271J00	171	1283	1449108	148	1338	85HM6507FA	81	1399	641386	183
1225	1320253Y00	171	1284	1449109	85	1339	85HM6505AA	81	1399	641386	183
1225	1320253Y60	171	1284	6M346505AA	85	1340	6640543	78	1399	641385	183
1225	1320257Y00	171	1284	WE0112121	148	1340	6640544	78	1399	93178588	216
1225	1320253Y60	173	1284	6M346505AA	148	1340	6640548	78	1400	60560643	2
1226	132011E710	171	1284	1449109	148	1340	928M6507D1A	78	1400	60810666	126
1226	132011E700	171	1302	7078139	79	1341	6911483	78	1400	60663241	126
1226	1320153J00	171	1302	88WM6507BA	79	1341	1023593	78	1400	55186770	126
1226	132011E700	171	1302	95WM6507AA	79	1341	928M6505D2A	78	1401	60560644	2
1226	1320153J00	171	1303	95WM6505AA	79	1341	6640542	78	1401	60560644	126
1226	1320170J00	171	1303	88WM6505EA	79	1341	948M6505B2A	78	1401	60810667	126
1226	1320170J00	171	1303	88WM6505DA	79	1342	711M6507LA	81	1404	55193126	4
1226	1320189J00	171	1303	7078136	79	1342	801M6507CA	81	1404	46478834	4
1226	132011E710	171	1303	XC1G6505AA	79	1343	711M6505GA	79	1404	60814605	4
1226	1320189J00	171	1303	1124347	79	1343	711M6505MA	79	1404	46750859	4
1226	132011E700	171	1306	1012749	80	1343	711M6505NA	79	1404	60814605	74
1226	132011E710	171	1307	1012747	80	1343	791M6505GA	79	1404	46750859	74
1226	132011E710	171	1308	928M6507C2A	80	1343	791M6505JA	79	1404	55193126	74
1226	1320189J00	171	1308	6742921	80	1343	711M6505GA	81	1404	60814605	130
1226	1320170J00	171	1308	928M6507C1A	80	1343	791M6505JA	81	1404	46750859	130
1226	1320153J00	171	1309	1023591	78	1343	791M6505GA	81	1404	55193126	130
1226	132011E700	171	1309	948M6505A2A	80	1348	715F6507AAD	83	1405	55202630	4
1227	1320264Y00	171	1309	7314594	80	1349	715F6505AAC	83	1405	60814604	4
1227	1320264Y02	171	1309	7314599	80	1354	70HM6507AE	82	1405	46416321	4
1227	1320289J00	171	1312	98MM6507C2B	80	1355	70HM6505AF	82	1405	46783962	4
1227	1320270J10	171	1312	1072048	80	1355	78HM6505BA	82	1405	46764378	74
1229	1320270J00	171	1313	C20112111	142	1356	70HM6507DD	82	1405	55202630	74
1229	1320253J02	171	1313	1E0612111	142	1358	703F6507AAA	86	1405	60814604	74
1230	1320197E00	171	1314	C20112121	142	1358	723F6507AAA	86	1405	46783962	74
1231	1320297E00	171	1315	1324132	80	1358	723F6507GAA	86	1405	46783962	130
1262	1320927	79	1315	1213175	80	1358	813F6507DAA	86	1405	60814604	130
1262	1122364	79	1315	1124377	80	1358	693F6507BAA	86	1422	MD000480	97
1262	154G6507CA	79	1315	1374186	80	1359	703F6505AAA	86	1422	MD000480	163

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
1423	MD000481	97	1527	04226412	113	1680	052712121	144	1719	132022W200	176
1423	MD000481	163	1599	2221142520	100	1690	F20212111	144	1719	132022W20A	176
1423	MD000481	163	1599	2221142520	118	1690	F20112111	144	1719	1320200QAH	176
1428	MD016460	97	1599	MD198404	167	1691	F20112121	144	1719	4415246	183
1428	2221121010	97	1600	2221242520	100	1691	F20112121B	144	1719	7701475381	211
1428	MD016460	163	1600	2221242520	118	1691	F20112121A	144	1767	1371163010	239
1429	MD016461	97	1600	MD198406	167	1696	B54112111	144	1768	1371563011	239
1429	2221221004	97	1601	ME200050	168	1697	B54112121	144	1768	1371563010	239
1429	2221221304	97	1602	ME200051	168	1698	BP4W12111	144	1779	1371125011	54
1429	MD003788	163	1602	ME200051	168	1698	BP0512111	144	1779	1371125011	240
1429	MD016461	163	1608	51041010509	136	1698	BP0612111	144	1780	1371525011	54
1432	MD070691	163	1609	51041010501	136	1699	BP4W12121	144	1780	1371525011	240
1433	MD070694	163	1614	51041010314	136	1699	BP0512121A	144	1782	1371538020	240
1433	MD070693	163	1616	51041010286	136	1702	7701473184	47	1782	1371534010	240
1434	MD050552	167	1616	51041010399	136	1702	6070531200	157	1782	1371534032	240
1435	MD050543	167	1625	51041010375	21	1702	13201BN700	176	1789	1371134010	240
1440	2221142850	100	1625	51041010478	21	1702	1320100QAN	176	1790	1371154020	245
1440	MD083661	167	1625	51041010375	136	1702	1320100Q0G	176	1790	1371154020	245
1440	MD083657	167	1625	51041010478	136	1702	1320100QAK	176	1790	J1371154020	260
1441	2221242850	100	1625	51041010348	136	1702	132011980R	176	1791	J1371517010	260
1441	MD083662	167	1625	51041010478	230	1702	7701473184	210	1794	1371564030	246
1441	MD083659	167	1625	51041010478	248	1702	7701476573	210	1794	1371564040	246
1442	2221133000	98	1626	51041010479	21	1702	132011980R	210	1795	1371567020	245
1442	2221133000	115	1626	51041010447	21	1702	7701473184	237	1796	51041010523	137
1442	2221133000	164	1626	51041010479	136	1703	7701473183	47	1797	51041010524	137
1442	MD127840	164	1626	51041010367	136	1703	6070531300	157	1798	51041010574	22
1442	MD127847	164	1626	51041010447	136	1703	13202BN700	176	1798	51041010574	134
1442	MD127840	274	1626	51041010447	137	1703	1320200QAP	176	1798	51041010575	134
1443	2221233000	98	1626	51041010367	137	1703	7701473183	210	1798	51041010574	138
1443	2221233000	115	1626	51041010479	230	1703	7701476572	210	1798	51041010575	138
1443	MD127841	164	1626	51041010479	248	1703	132024905R	210	1798	51041010574	239
1443	MD127848	164	1628	51041010334	137	1703	7701473183	237	1799	51041010546	22
1443	2221233000	164	1630	51041010425	21	1704	7701472986	47	1799	51041010546	134
1443	MD184078	164	1630	51041010425	91	1704	1320100QAJ	171	1799	51041010546	138
1443	MD127841	274	1630	51041010422	137	1704	7701472986	208	1799	51041010606	138
1478	3055055R2	102	1630	51041010425	137	1705	7701473004	47	1799	51041010546	239
1478	3055055R1	102	1630	51041010425	230	1705	1320200QAK	171	1810	1371197401	54
1479	3055056R1	102	1630	51041010425	248	1705	7701473004	208	1810	1371123030	54
1479	3055056R2	102	1631	51041010410	21	1705	7701477875	208	1810	1371123030	240
1494	3361636	112	1631	51041010410	91	1706	094885	195	1810	1371101010	240
1495	3361616	112	1631	51041010410	137	1706	094885	208	1810	1371197401	240
1498	4208095	112	1631	51041010411	137	1707	094991	195	1811	1371597401	54
1498	4255216	112	1631	51041010410	137	1707	094991	208	1811	1371523030	54
1499	4208096	112	1631	51041010411	137	1708	1320100QAD	176	1811	1371597401	240
1499	4255217	112	1631	51041010410	230	1708	4506083	183	1811	1371523030	240
1500	3357290	112	1631	51041010410	248	1708	7701472669	210	1811	1371501010	240
1501	3357291	112	1631	51041010410	260	1709	1320200QAD	176	1812	1371121010	240
1506	2133730	112	1632	51041010417	137	1709	4506084	183	1813	1371521010	240
1507	2934523	112	1632	51041010417	260	1709	7701472670	210	1814	137110D020	240
1507	3371746	112	1633	51041010482	137	1710	RF0112111	85	1814	1371122040	240
1508	4170898	112	1634	51041010483	137	1710	RF0112111	118	1815	1371522040	240
1508	4272209	112	1635	51041010547	137	1710	RF0112111	149	1815	137150D010	240
1509	4170899	112	1635	51041010547	248	1710	RF0112111	238	1815	137150D020	240
1512	20180250	135	1636	51041010548	137	1711	RF0112121	85	1816	1371128030	241
1513	20180240	135	1636	51041010548	248	1711	RF0112121	85	1816	1371128010	241
1517	10618851	25	1658	F60112111	143	1711	RF0112121B	118	1817	1371528030	241
1520	4159138	113	1659	F60112121	143	1711	RF0112121B	149	1817	1371528010	241
1520	4159136	113	1662	029012111C	143	1711	RF0112121B	238	1818	1371127010	245
1521	4159137	113	1663	D27Z6505A	143	1712	RF2A12111	149	1819	1371527010	245
1522	4159140	113	1663	030512121	143	1713	RF2A12121	149	1820	1371117020	245
1524	4255254	91	1664	B630012111	143	1713	RF5C12121	149	1820	1371117021	245
1524	4204014	113	1665	B630012121	143	1714	3595890	85	1821	1371517030	245
1524	4255254	113	1668	F80112111A	143	1714	WL0112111	149	1827	55229667	69
1524	4283380	113	1669	F80412121	143	1714	WL5112111	149	1828	55231995	69
1525	4255255	91	1669	F80112121A	143	1715	3595885	85	1840	394838	53
1525	4204015	113	1670	024912111A	143	1715	WL5112121A	149	1841	394839	53
1525	4255255	113	1671	024912121A	143	1715	WL0112121	149	1844	1345509	53
1525	4283381	113	1674	032412111A	143	1716	RF5C12111	149	1844	1345509	239
1526	4267453	57	1675	048812121	143	1718	132012W200	176	1844	1345509	248
1526	04226413	113	1675	032412121A	143	1718	1320100QAL	176	1845	1352127	53
1526	4267453	113	1676	055212111	144	1718	132012W20A	176	1845	1352127	239
1526	4225353	113	1677	055212121A	144	1718	4415247	183	1845	1352127	248
1526	4226562	113	1678	063612111	144	1718	7701475382	211	1846	1307654	53
1527	4226412	57	1680	063612121	144	1719	1320200QAM	176	1847	1327029	53

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1847	1327029	53	1970	3915506	44	2125	479204	270	2170	4500849	215
1848	1603846	53	1971	3921444	44	2125	8194223	270	2170	4500849	215
1848	1684773	53	1971	3902254	44	2126	467857	270	2170	90412277	249
1848	1603846	90	1971	3802085	44	2126	8194224	270	2171	90410813	48
1856	1755220	82	2010	094871	195	2126	467503	270	2171	641325	103
1856	1800892	82	2010	094862	195	2126	467682	270	2171	641325	181
1856	BMSG6507AE	82	2011	094963	195	2126	4678553	270	2171	641331	181
1856	31370617	267	2011	094978	195	2127	4655486	270	2171	641331	181
1857	1800711	82	2012	91540748	38	2127	4205530	270	2171	641321	181
1857	BMSG6505BA	82	2012	094861	38	2127	3825723	270	2171	4500864	215
1857	31330401	267	2012	96172597	38	2128	4655494	270	2171	90410813	249
1857	31375559	267	2012	094861	195	2128	8192143	270	2172	8943268430	104
1858	F87Z6507BA	88	2013	96172795	38	2130	1556472	270	2172	641007	184
1859	F87Z6505BA	88	2013	91540782	38	2130	1543026	270	2172	641044	184
1859	4438257	88	2013	094962	38	2131	1543027	270	2172	641000	184
1859	595093	88	2013	094977	195	2131	1556896	270	2173	8941100173	104
1860	10302117	247	2013	094962	195	2131	863702	270	2173	8941150592	104
1861	10302118	247	2014	91535017	38	2131	1556473	270	2173	641300	184
1864	D02711	247	2014	91537468	38	2141	1547492	271	2173	641322	184
1865	D022005	247	2014	094856	38	2141	3169490	271	2184	641048	181
1868	XL3Z6507AA	87	2014	094887	38	2142	20441486	271	2184	641048	215
1869	XL3Z6505AA	87	2014	094856	196	2142	3165234	271	2185	641357	181
1920	501007014	247	2015	094957	38	2142	8148574	271	2185	641357	215
1921	501007015	247	2015	91535019	38	2142	20441945	271	2186	14711PLZD00	96
1948	028109601A	10	2015	91537470	38	2142	8148574	271	2186	641025	184
1948	028109601H	10	2015	094957	38	2142	3165234	271	2187	14721PLZD00	96
1948	046109601G	10	2015	094957	196	2142	20478551	271	2187	641369	184
1948	046109601G	10	2015	094957	196	2142	3165234	271	2188	642168	184
1948	046109601J	10	2046	6060531101	157	2142	3165234	271	2188	641068	184
1948	046109601J	10	2047	6060530705	157	2142	3165234	271	2188	55353375	184
1948	1669766	85	2048	6060530701	157	2142	20441486	271	2188	642165	184
1948	028109601H	222	2049	6060530305	157	2143	3978768	271	2188	642168	216
1948	046109601J	260	2051	3550530001	159	2144	477443	271	2189	642208	184
1948	028109601H	260	2052	3550530005	159	2146	90215492	48	2189	642211	184
1948	046109601J	268	2052	3550500027	159	2146	642679	180	2189	641381	184
1948	046109601J	268	2053	6060501527	157	2146	90295011	180	2189	12992480	184
1949	046109611C	10	2053	6060501127	157	2147	96098751	48	2189	642211	216
1949	046109611F	10	2060	641008	180	2147	642911	180	2192	55192156	2
1949	046109611E	10	2061	641310	180	2147	642911	180	2192	55192156	22
1949	1669772	85	2068	90529527	47	2147	90295015	180	2192	12786696	22
1949	046109611F	222	2068	641045	180	2147	642854	180	2192	71739277	69
1949	046109611F	260	2068	641051	180	2148	642758	123	2192	12575793	89
1949	046109611F	268	2068	641094	180	2148	642758	180	2192	641063	181
1957	TAM1058	212	2068	9158477	180	2148	90281714	180	2192	641066	181
1958	TAM1061	212	2068	09158477	248	2149	642858	123	2192	12786696	216
1964	150288	43	2068	90529527	248	2149	90281715	180	2192	641063	249
1964	68276	43	2069	90529529	47	2149	642858	180	2193	71739686	2
1964	144911	43	2069	55565339	47	2154	642651	184	2193	12791961	22
1964	6610414110	120	2069	641354	180	2155	641353	184	2193	71739320	69
1964	6610414210	120	2069	641364	180	2155	641345	184	2193	24454518	89
1966	3040830	43	2069	641090	180	2155	642818	184	2193	641380	181
1966	3000926	43	2069	641095	180	2156	642635	180	2193	641376	181
1966	135957	43	2069	641096	180	2157	642789	180	2193	12791961	216
1966	145701	43	2069	09158474	248	2164	90220119	48	2193	641376	249
1966	145701	43	2069	90529529	248	2164	642667	181	2194	LGH10064	132
1966	3040830	43	2070	ETC4067	212	2165	90323756	48	2194	LGH10064	136
1967	3275356	44	2071	ETC5866	212	2165	90323757	48	2194	LGH10064	138
1967	3275355	44	2116	4692406	269	2165	642829	181	2194	LGH20065	138
1968	3920867	44	2116	4692406	269	2165	641306	181	2194	LGH10064	213
1968	3901117	44	2117	4220166	269	2168	641034	48	2195	LGH10065	132
1968	3802355	44	2118	4220174	269	2168	55557781	181	2195	LGH101360	132
1968	3802355	57	2118	4220174	269	2168	641080	181	2195	LGH10065	136
1968	4895187	62	2118	422285	269	2168	24463777	181	2195	LGH101360	138
1968	3920867	238	2119	4230165	269	2168	641034	181	2195	LGH10065	213
1969	3802356	44	2120	4230173	269	2168	641061	181	2195	LGH101360	213
1969	3920868	44	2121	4683025	270	2169	641340	48	2250	11347587470	16
1969	3901607	44	2121	4683025	270	2169	641375	181	2250	11347534508	16
1969	3802356	57	2122	4683033	270	2169	55354874	181	2250	0948E8	38
1969	4895188	62	2123	4663795	270	2169	24463778	181	2250	11347587470	162
1969	3920868	238	2124	421680	270	2169	641394	181	2250	11347534508	162
1970	3924472	44	2124	4653811	270	2169	641340	181	2250	0948E8	196
1970	3924492	44	2124	4711958	270	2170	90412277	48	2251	11347547187	16
1970	3802275	44	2125	4675021	270	2170	641022	103	2251	11347547187	16
1970	3802463	44	2125	1545290	270	2170	641022	181	2251	0949E2	38

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
2251	0949E2	38	2290	1684513	53	2348	51041010439	22	2450	504042365	63
2251	11347547187	162	2290	1684513	91	2348	51041010439	248	2450	500354685	63
2251	0949E2	196	2290	1684513	230	2350	55557862	182	2450	500354682	63
2251	0949E2	196	2290	1684513	239	2350	642078	182	2450	99456803	63
2252	0948A6	38	2291	1678541	53	2350	642029	182	2451	500354687	63
2252	0948A6	196	2291	1678541	91	2350	55572518	182	2451	99457210	63
2253	0948E2	38	2291	1678541	230	2351	55558728	182	2451	504042363	63
2253	1371140040	54	2291	1678541	239	2351	641401	182	2456	580605	60
2253	1371140040	54	2292	1912976	53	2351	641379	182	2457	580606	60
2253	0948E2	196	2293	1741505	53	2351	641100	182	2463	12575352	23
2253	1371140040	241	2300	96182934	48	2351	55572519	182	2463	641079	23
2254	0949C8	38	2301	96182933	48	2352	641067	185	2464	12575354	23
2254	1371540040	54	2302	96103129	49	2352	641067	217	2464	12575354	23
2254	1371540040	54	2302	96103129	49	2353	641384	185	2464	12575354	23
2254	0949C8	196	2302	96182806	49	2353	641380	217	2465	12575351	23
2254	1371540040	241	2303	96103130	49	2360	641084	185	2465	12575351	23
2255	11347585901	16	2303	96182805	49	2361	641397	185	2469	222113E000	115
2255	0948G4	39	2304	1291178B00	49	2362	6260500500	158	2470	222123E000	115
2255	11347585901	162	2304	94580146	49	2362	1320100QOJ	178	2471	222113C100	115
2255	0948G4	196	2305	96352793	49	2362	132010370R	178	2471	222113C800	115
2256	0948C4	42	2305	1291578B00	49	2362	4423068	185	2471	222113C810	115
2256	1291173J00	238	2306	96230591	49	2362	95517881	185	2472	222123C100	115
2257	0949C1	42	2307	96230595	49	2362	132017444R	211	2472	222123C800	115
2257	1291573J00	238	2308	96335947	49	2362	132010370R	211	2474	OK55112111A	100
2258	0948E5	42	2309	96335948	49	2362	6260500500	250	2474	OK55112111A	118
2258	0948E5	85	2310	93333561	49	2363	1320200QOL	178	2475	OK55112121A	100
2258	1451597	85	2311	93333562	49	2363	1320200QOP	178	2475	OK55112121A	118
2258	1871590	85	2314	642027	51	2363	132024894R	178	2478	222114A000	119
2258	0948E5	106	2314	641085	51	2363	4423303	185	2479	222124A000	119
2258	0948E5	133	2314	98113743	51	2363	95518256	185	2482	2221141001	119
2258	0948E5	201	2314	641085	184	2363	4423067	185	2482	ME013810	168
2258	9676718180	201	2314	642027	184	2363	95517880	185	2483	2221245000	119
2259	0949E1	42	2315	641400	51	2363	132024894R	211	2483	2221245001	119
2259	0949E1	85	2315	641086	51	2363	132027372R	211	2483	ME220217	168
2259	1427813	85	2315	97385842	51	2363	6260500800	250	2490	OK05412111	119
2259	6G9Q6505AA	85	2315	641400	184	2376	477447	271	2491	OK05412121	119
2259	0949E1	106	2315	641086	184	2378	1270455	267	2492	OK65D12111	119
2259	0949E1	133	2316	96951454	51	2379	31316317	267	2493	OK65B12121	119
2259	0949E1	201	2316	4817354	51	2380	8631650	269	2494	K95412111	115
2259	9676718280	201	2316	4805321	51	2381	8631651	269	2495	K01312121	115
2259	0949G2	201	2316	96440147	185	2384	3978766	271	2500	E8BZ6507A	87
2264	612817	13	2316	4805321	185	2400	20450002	272	2500	MB30112111	115
2265	VEJ1005	13	2316	96951454	185	2401	8148069	272	2501	E8BZ6505A	87
2266	1675266	82	2316	4817354	185	2401	20516141	272	2501	K15112121	115
2266	31316318	267	2316	4817354	250	2402	24426433	271	2501	K15012121	115
2267	1682170	82	2317	96951455	51	2402	20739057	271	2502	OK30E12111	115
2267	5144989	82	2317	4817338	51	2402	20739058	271	2503	OK30E12121	115
2267	9487443	267	2317	96440148	185	2403	20513284	271	2504	K93012111	116
2268	9676359080	39	2317	4805322	185	2403	20513285	271	2505	K93012121	116
2268	9676359080	197	2317	4817338	185	2404	20735572	271	2506	OK30C12111	116
2269	9676359180	39	2317	96951455	185	2407	20459326	271	2507	OK30C12121	116
2269	9676359180	197	2317	4817338	250	2408	20528113	272	2508	OK24712111	116
2270	1311281	134	2321	93399245	49	2408	20528113	272	2509	OK24712121	116
2270	0948E1	201	2322	24578793	49	2408	20551761	272	2510	OK9BV12111	116
2270	1311281	215	2323	93399246	50	2409	20570965	272	2510	FS0112111B	144
2271	1316137	134	2324	24579671	50	2410	20712128	202	2510	FS0112111C	144
2271	1520918	134	2325	96463002	50	2410	21428655	202	2511	OK56612121	116
2271	0949C6	201	2326	96463003	50	2410	20740798	272	2511	FS0112121B	144
2271	1316137	215	2327	25183821	51	2410	20561995	272	2511	FS0112121A	144
2271	1520918	215	2327	4802219	185	2410	20712128	272	2514	2221102200	98
2272	0948G1	162	2328	25183822	51	2411	21016539	270	2514	2221102200	116
2272	0948G1	201	2328	4802220	185	2411	20768519	272	2515	2221202200	98
2273	0949F7	162	2345	51041010537	91	2412	20564039	272	2515	2221202200	116
2273	0949F7	201	2345	51041010515	138	2441	1908409	61	2516	OK2NC12111	116
2274	0948F7	42	2345	51041010516	138	2441	1904654	61	2517	OK2NC12121	116
2274	1685847	86	2345	51041010537	138	2441	4784890	61	2518	2221135520	116
2274	AV6Q6507AA	86	2345	51041010537	141	2444	98444133	63	2518	MD135479	164
2274	0948F7	201	2346	51041010538	91	2444	98446334	63	2518	MD172315	164
2274	31330181	268	2346	51041010498	138	2444	99485232	63	2518	MD135481	164
2275	0949F5	42	2346	51041101506	138	2445	504203471	63	2519	2221235500	116
2275	1685845	86	2346	51041010538	138	2445	5801493134	63	2519	MD135480	164
2275	AV6Q6505AA	86	2346	51041010538	141	2448	4673862	60	2519	MD168241	164
2275	0949F5	201	2347	51041010438	22	2448	4673862	64	2519	MD183730	164
2275	31330182	268	2347	51041010438	248	2449	5801487019	64	2519	MD135482	164

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
2526	OB6S712111	117	2634	4124018	114	2663	55206233	2	2687	7650916	127
2526	B65712111	145	2635	4124019	114	2663	55239748	2	2687	7611673	127
2526	B6MC12111	145	2636	4254934	114	2663	55206233	69	2690	7597566	75
2527	OK93812121	117	2636	4254284	114	2663	55239748	69	2691	7597565	75
2527	B69512121B	145	2637	4254935	114	2663	55185080	69	2692	7302157	64
2527	BJ0112121	145	2637	4254285	114	2663	55185080	127	2692	7303309	64
2527	B66012121	145	2638	4285985	114	2663	55206233	127	2692	7301821	64
2528	1371187312	56	2639	4285986	114	2663	55239748	127	2692	7301821	75
2529	1371587319	56	2640	4284042	114	2663	6260500800	158	2692	7302157	75
2534	1371187701	54	2641	4284043	114	2666	98429886	63	2692	7301821	131
2534	1371187705	54	2642	4228353	113	2666	1908394	63	2692	7302157	131
2535	1371587702	54	2643	53006724	31	2667	98412705	63	2692	7301821	202
2535	1371587701	54	2644	05184127AC	32	2667	1908395	63	2692	7701203675	211
2540	1291182010	232	2644	05184127AC	126	2668	094896	42	2694	7547158	5
2540	1291182000	235	2644	05184127AC	251	2668	98468338	63	2694	60808694	5
2540	1291182010	235	2644	7B0109601B	251	2668	094896	201	2694	5990532	77
2540	1291182010	249	2645	05184128AE	32	2669	98418161	63	2694	5990532	77
2541	1291582062	232	2645	05184128AE	126	2669	7701467249	211	2694	7547158	131
2541	1291582000	235	2645	05184128AE	251	2670	7770334	70	2694	5990532	131
2541	1291582062	235	2645	7B01096011B	251	2670	46436048	70	2695	60808695	5
2541	1291582050	235	2646	500327442	64	2670	46436048	127	2695	5990533	131
2541	1291582000	249	2647	55190248	4	2670	7770334	127	2696	7565812	70
2542	96057952	89	2647	55190248	74	2671	0949A0	42	2697	7574881	70
2542	1291160A10	235	2647	55190248	131	2671	0949A0	42	2698		70
2543	96067994	89	2648	71741112	2	2671	99432837	64	2699		70
2543	1291560A50	235	2649	71741113	2	2671	99432837	64	2700	5478734	42
2546	1371148010	245	2652	55225886	2	2671	99432873	186	2700	95493872	42
2547	1371548010	245	2652	55225886	69	2671	0949A0	201	2700	95569116	42
2548	1371164030	245	2652	55225886	127	2671	5001836573	202	2700	5471746	63
2548	1371164020	245	2653	55225887	2	2672	46527855	74	2700	5478734	63
2548	1371164011	245	2653	55225887	69	2672	7798620	74	2700	094845	201
2548	1371164010	245	2653	55225887	127	2672	7798620	131	2701	5457479	42
2549	1371564010	245	2654	55205125	4	2673	46527856	74	2701	95569117	42
2552	1371135010	241	2654	55205125	74	2673	7783225	74	2701	5414239	63
2553	1371535020	241	2654	55205125	131	2673	7783225	74	2701	5457479	63
2554	1371156030	56	2658	55206431	4	2673	7783225	131	2701	094946	201
2555	1371556030	56	2658	55207517	4	2677	55190249	4	2702	4376861	63
2558	1371171010	55	2658	55206431	74	2677	55190249	74	2702	4376861	70
2558	1371171010	241	2658	55206431	131	2677	55190249	131	2703	4376862	63
2559	1371571010	55	2658	55206431	131	2678	7553000	75	2703	4376862	70
2559	1371571010	241	2658	641464	185	2679	7553004	75	2704	5976805	70
2566	1371144013	55	2658	55565261	185	2682	5942727	70	2704	4376864	70
2567	1371544022	55	2659	55205183	4	2682	46406854	70	2705	0948A2	43
2576	12911M72F10	235	2659	55207955	4	2682	7666228	70	2705	7301820	60
2577	12915M72F10	235	2659	55207955	4	2682	5942727	127	2705	4757358	60
2578	12911M84400	235	2659	55220016	4	2682	7666228	127	2705	504069200	60
2579	12915M84440	235	2659	55222934	4	2683	5942728	70	2705	7301820	64
2582	9125518020	104	2659	46787902	74	2683	7666227	70	2705	7301820	64
2583	5125520260	104	2659	55207955	74	2683	46514754	70	2705	4757358	64
2588	8971371540	104	2659	55205183	74	2683	5942728	70	2705	4757358	73
2589	8971371551	104	2659	55207955	74	2683	46514754	70	2705	7301820	73
2603	043109611	250	2659	55205183	74	2683	7666227	70	2705	4757358	75
2603	043109611A	250	2659	46787902	131	2683	46514754	127	2705	7301820	75
2619	8942519770	103	2659	55207955	131	2683	7666227	127	2705	4757358	131
2621	641049	105	2659	55205183	131	2683	7666227	127	2705	7301820	131
2621	8971319610	105	2659	46787902	131	2683	5942728	127	2705	7301820	186
2621	641049	182	2659	55207955	131	2686	60805834	3	2705	7301820	186
2621	641049	249	2659	55207955	131	2686	7574739	3	2705	0948A2	202
2622	641360	105	2659	641465	185	2686	7722907	3	2705	7701463603	202
2622	8971319620	105	2659	641106	185	2686	7574739	70	2705	7701030863	202
2622	641360	182	2659	55565262	185	2686	7722907	70	2705	7701462678	211
2622	641360	249	2660	55557741	2	2686	7574739	127	2705	7701463603	211
2623	8970155462	105	2660	641076	50	2686	7722907	127	2705	7701463603	211
2624	8970155471	105	2660	55557741	69	2687	7574742	3	2705	7701463603	211
2627	8942519780	103	2660	641076	182	2687	60805836	3	2705	7701463603	211
2630	4234951	113	2661	71744388	2	2687	7598073	3	2705	7701463603	211
2630	4234952	113	2661	641391	50	2687	7611673	3	2705	7701463603	211
2630	4231479	113	2661	71744388	69	2687	7650916	3	2706	4733349	60
2630	4159136	113	2661	641391	182	2687	7598073	70	2706	4733349	73
2630	4159136	113	2661	641392	182	2687	7574742	70	2707	4412816	68
2631	4159137	113	2662	55185028	2	2687	7650916	70	2707	46470637	71
2631	4231804	113	2662	55185028	69	2687	7611673	70	2707	4412816	76
2632	4131597	114	2662	55185028	127	2687	7574742	127	2707	4412816	128
2633	4131598	114	2663	55185080	2	2687	7598073	127	2707	5997328	128

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2707	7633751	128	2737	1020530901	151	2760	1170500126	152	2799	6510500127	158
2710	4319339	67	2737	1020531801	151	2761	5410500227	160	2815	21081007010	124
2710	5973129	67	2737	1020531601	231	2763	1040501027	153	2816	210811007010	124
2710	7565813	67	2737	1020531801	231	2763	1040501727	153	2817	21081007012	124
2710	4403047	67	2738	1020500027	151	2764	1040530801	152	2818	21121007010	124
2710	5973129	76	2738	1020500327	151	2764	1040531001	152	2819	21121007012	124
2710	4403047	125	2738	1020500027	151	2765	1040501427	152	2823	13201R2001	172
2710	5973129	125	2738	1020500327	151	2766	1190530401	152	2824	13202R2000	172
2710	7565813	125	2738	1020500327	231	2766	1190530501	152	2828	13202D1200	172
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2711	4368843	222	2739	1020500326	151	2768	1190530801	152	2828	13202D0100	172
2712	4368845	75	2739	1020531701	151	2768	1190531801	152	2829	13201D0200	172
2712	5996615	75	2739	1020530801	151	2770	1110530201	153	2841	13201W0401	172
2712	4368845	222	2739	1020531501	151	2770	1110530101	153	2841	13201Y8780	172
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2714	4424174	75	2741	1000500127	151	2772	1110531101	50	2845	13202H9500	172
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2719	46406169	71	2747	6010530401	51	2773	00A109611	251	2869	1320299B10	173
2719	46406169	128	2747	6010531701	51	2774	1190531201	153	2869	1320299B00	173
2719	7031135	128	2747	6010531201	51	2775	1190501027	152	2870	13201V5202	173
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2719	7547400	128	2747	6010530201	157	2775	1190500927	153	2871	132020B000	173
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2723	1100500726	180	2747	6010531201	157	2776	9060500226	160	2871	1320207P00	173
2723	1100500726	231	2747	6010531501	160	2777	9060500327	22	2874	13201L2000	176
2725	1100500027	150	2747	6010531501	231	2777	9060500327	159	2875	13202L2000	176
2725	1100500027	180	2747	6010531901	231	2777	9060500327	159	2882	1320122J01	177
2728	1160500226	150	2747	6010530401	232	2777	9060500327	160	2882	1320122J00	177
2728	1160500126	150	2747	6010531201	232	2782	1660530101	154	2882	1320122301	177
2728	1160500226	150	2748	6010501227	51	2783	1660500327	154	2883	13202V7203	177
2728	1160500126	150	2748	6010500227	51	2784	1130530001	154	2883	13202V7202	177
2728	1160500126	150	2748	6010502127	51	2785	1130500127	154	2884	132010Y000	177
2728	1160500226	150	2748	6010502327	157	2786	1660530201	154	2884	1320122J11	177
2729	1170500127	150	2748	6010500227	157	2786	1660530201	154	2884	1320122J10	177
2729	1170500027	150	2748	6010502127	157	2787	1660500427	154	2885	1320240L01	177
2729	1170500027	152	2748	6010501927	157	2788	1130530101	154	2885	132024P400	177
2729	1170500127	152	2748	6010501227	157	2788	1130530501	154	2885	132024P400	177
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2729	1170500027	231	2748	6010501927	160	2790	6680530101	157	2890	13201G2403	177
2730	4230500026	159	2748	6010502527	231	2790	6680530301	157	2890	1320143G01	177
2730	4030530901	159	2748	6010502827	231	2791	6680500127	157	2891	1320251N00	177
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2731	4230500327	159	2748	6010502127	232	2792	05073735AA	107	2891	1320231N01	177
2731	4030500427	159	2749	5410500226	160	2792	6110530101	158	2891	1320231N01	177
2731	4030501027	159	2750	4220500226	160	2792	6110530401	158	2891	132027F400	177
2732	1110530401	150	2750	4420500226	160	2793	05073738AA	31	2892	1320160J04	177
2732	1110530301	150	2750	4420500326	160	2793	05073737AA	31	2892	1320160J03	177
2733	1110500627	150	2750	4420500526	160	2793	05073737AA	107	2893	1320260J02	177
2734	1160500326	151	2751	4420500427	160	2793	05073738AA	107	2894	132019C600	177
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2736	9060500326	22	2756	1020500127	152	2796	6600530101	158	2896	13201EB70A	178
2736	9060500326	159	2756	1020500427	152	2796	Q0004570V003	158	2897	13202BN300	178
2736	9060500326	160	2758	1020531001	152	2796	6600530101	229	2897	13202AD200	178
2737	1020500426	151	2758	1020531401	152	2797	6600530005	158	2897	13202EB300	178
2737	1020500526	151	2759	1020500827	152	2797	Q0004569V003	158	2897	13202AD20A	178
2737	1020501601	151	2759	1020501127	152	2797	6600530005	229	2897	13202EB70B	178
2737	1020501801	151	2759	1020500627	152	2798	6510530101	158	2898	13201BM500	173

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
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2906	1457503	187	2924	4708612	186	2971	028109611G	222	3008	030109601F	261
2907	4803849	187	2924	93193443	186	2971	028109611G	227	3008	073109601A	261
2907	1457499	187	2924	642028	186	2971	028109611G	260	3008	073109601D	261
2907	3142A101	187	2924	641072	234	2972	028109601B	227	3009	030109611A	221
2910	7712114	71	2924	1291185E00	238	2972	028109601C	227	3009	030109611B	254
2910	7712114	128	2924	12911M86J00	238	2972	028109601C	261	3009	030109611A	254
2911	46413334	71	2925	55208213	5	2973	028109611E	227	3009	030109611A	254
2911	46413334	128	2925	55208213	75	2973	028109611E	261	3009	030109611A	258
2912	55192067	72	2925	46518931	75	2976	04E109601A	219	3009	030109611C	261
2912	46413806	72	2925	46518931	86	2976	04E109601A	225	3009	030109611A	261
2912	46462158	72	2925	46518931	132	2976	04E109601A	252	3009	030109611B	261
2912	46517325	72	2925	55208213	132	2977	04E109611K	219	3013	036109601	252
2912	46761369	72	2925	641071	186	2977	04E109611K	225	3014	048109601A	7
2912	55183592	72	2925	641402	186	2977	04E109611K	252	3014	048109601A	253
2912	46462158	128	2925	4708613	186	2978	04E109601B	6	3015	068109601C	11
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2913	46413807	72	2925	1291585E00	238	2978	04E109601B	252	3016	035109601G	7
2913	46462159	72	2925	12915M86J00	238	2978	04E109601B	252	3016	035109601H	7
2913	55196738	72	2926	55194993	72	2979	04E109611J	6	3016	035109601H	7
2913	46461209	72	2926	55194993	129	2979	04E109611J	219	3016	035109601J	7
2913	46761370	72	2927	55194994	72	2979	04E109611J	225	3016	035109601K	7
2913	46761370	128	2927	55194994	129	2979	04E109611J	252	3016	035109601K	219
2913	46462159	128	2928	55194219	129	2980	048109611A	7	3038	078109601A	7
2913	46461209	128	2928	55194219	129	2980	053109611	7	3038	078109601B	219
2914	560017	3	2929	55200422	129	2980	048109611A	7	3038	078109601E	219
2914	60811153	3	2934	55198341	72	2980	053109611	7	3038	037109601	219
2914	7766564	3	2935	55198342	72	2980	053109611	7	3038	078109601A	219
2914	7766564	72	2936	71742050	73	2980	048109611A	7	3038	078109601A	219
2914	7766564	128	2936	1291154G00	232	2980	053109611	7	3038	078109601B	225
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2915	60674496	3	2937	71747245	73	2980	053109611	219	3038	078109601B	253
2915	560018	3	2937	1291554G50	232	2980	053109611	253	3038	078109601E	253
2915	60811154	3	2937	1291554G00	235	2980	048109611A	253	3038	078109601A	253
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2915	7766565	72	2940	55229666	3	3001	25552400	92	3038	037109601	253
2915	7766565	128	2940	55229666	129	3001	25552500	92	3039	048109611B	7
2915	60674496	128	2941	55231897	3	3001	71262713	92	3039	078109611C	7
2916	60812982	3	2941	55231897	129	3002	25552800	92	3039	048109611B	219
2916	7735898	3	2944	55223835	51	3002	71250985	92	3039	037109611B	219
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2916	60812982	72	2944	55270167	76	3005	035109611K	7	3039	048109611B	253
2916	7735898	129	2944	55195680	132	3005	034109611B	7	3039	048109611B	253
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2917	7735899	3	2944	641475	186	3005	035109611K	7	3039	048109611B	258
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2917	60812981	72	2945	55223836	76	3006	026109601	6	3041	027109611B	7
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2920	4340119	68	2945	6411101	186	3007	035109611H	6	3042	026109601A	7
2920	4340119	68	2946	0948A5	39	3007	035109611F	8	3042	026109601C	7
2920	46470638	71	2946	9630441380	130	3007	035109611H	8	3042	026109601A	219
2920	4340119	76	2946	0948A5	197	3007	035109611F	87	3042	026109601C	219
2920	4340119	76	2947	0949A5	39	3007	035109611F	87	3042	026109601C	253
2920	4340119	128	2947	9640181380	130	3007	035109611H	252	3042	026109601A	253
2920	4340119	128	2947	0949A5	197	3007	035109611F	252	3042	026109601C	254
2920	4412822	128	2948	46533298	129	3007	035109611H	254	3042	026109601A	254
2920	5985066	128	2960	047109601D	225	3007	035109611F	254	3043	069109601F	8
2920	7633752	128	2961	047109611D	225	3008	030109601F	251	3043	069109601G	8
2921	46403681	129	2962	047109601F	225	3008	030109601B	251	3043	069109601H	8
2921	46403681	249	2962	047109601F	252	3008	030109601D	251	3043	069109601F	11
2922	46471639	129	2963	047109611B	225	3008	073109601D	251	3043	069109601G	11
2922	46471639	249	2963	047109611B	252	3008	073109601A	251	3043	069109601H	11
2924	55219793	5	2967	073109601C	252	3008	030109601C	251	3043	069109601F	222
2924	55195680	75	2968	073109611A	252	3008	030109601C	254	3043	069109601H	222
2924	46518930	75	2969	035109613	252	3008	030109601D	254	3043	069109601F	261
2924	55219793	75	2970	028109601D	10	3008	030109601F	254	3043	069109601G	261
2924	46518930	86	2970	1079769	86	3008	073109601A	254	3043	069109601H	261
2924	46518930	132	2970	028109601D	222	3008	073109601D	254	3044	068109601L	11
2924	55219793	132	2970	028109601D	227	3008	030109601B	254	3044	068109601M	11
2924	641072	186	2970	028109601D	260	3008	030109601B	261	3044	068109601N	11
			2971	028109611G	10	3008	030109601C	261	3044	068109601L	261

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
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3044	068109601N	261	3084	077109601K	8	3108	059109601C	227	3126	06L109601	257
3045	068109611M	10	3085	077109611D	8	3108	059109601B	262	3127	06D109611L	9
3045	068109611L	10	3088	077109601Q	8	3109	059109611C	11	3127	06D109611K	9
3045	068109611L	11	3088	077109601Q	255	3109	059109611B	11	3127	06D109611L	9
3045	068109611M	11	3089	077109611K	8	3109	059109611B	227	3127	06D109611H	9
3045	069109611	11	3089	077109611S	255	3109	059109611B	262	3127	06D109611T	9
3045	074109611	11	3090	022109601F	8	3110	038109601B	11	3127	06D109611L	221
3045	068109611L	11	3090	022109601F	256	3110	1100679	86	3127	06D109611T	221
3045	074109611	11	3091	022109611B	8	3110	038109601B	223	3127	06D109611K	226
3045	069109611	11	3091	022109611B	256	3110	038109601B	228	3127	06D109611L	226
3045	068109611M	11	3092	022109601E	8	3110	038109601B	262	3127	06D109611T	226
3045	069109611	11	3092	022109601E	256	3111	038109611B	11	3127	06D109611K	257
3045	074109611	11	3093	022109611C	8	3111	1100678	86	3127	06D109611L	257
3045	074109611	222	3093	022109611C	256	3111	038109611B	223	3127	06D109611H	257
3045	068109611L	261	3094	022109601G	9	3111	038109611F	223	3127	06D109611T	257
3045	068109611M	261	3094	022109601G	258	3111	038109611B	228	3127	06J109611A TAPERED	257
3045	069109611	261	3095	022109611N	9	3111	038109611F	228	3127	06J109611A TAPERED	257
3045	068109611L	261	3095	022109611N	258	3111	038109611F	262	3128	022109601H	9
3045	068109611M	261	3096	06E109601H	9	3111	038109611F	262	3128	022109601H	258
3045	069109611	261	3097	03D109601B	225	3111	038109611B	262	3129	022109611P	9
3048	035109601C	5	3097	032109601L	225	3114	06B109601D	9	3129	022109611M	258
3048	035109601F	5	3097	032109601M	256	3114	06B109601B	9	3129	022109611P	258
3048	035109601C	8	3097	032109601L	256	3114	06B109601D	220	3130	03F109601A	10
3048	035109601F	8	3098	030109601AL	220	3114	06B109601H	220	3130	03F109601A	221
3048	035109601C	87	3098	030109601AL	220	3114	06B109601D	226	3130	03F109601A	226
3048	035109603	254	3098	030109601AL	256	3114	06B109601B	257	3130	03F109601A	258
3048	035109601C	254	3099	030109601T	220	3114	06B109601D	257	3131	03F109611B	10
3048	035109601F	254	3099	03D109611A	225	3114	06B109601H	257	3131	03F109611C	10
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3050	4849522	60	3099	030109611T	256	3115	06B109611C	9	3131	03F109611C	221
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3050	4849522	64	3099	030109611T	256	3115	06B109611C	226	3131	03F109601C	226
3050	98497025	64	3099	030109611T	256	3115	06B109611C	257	3131	03F109611B	258
3050	4837598	64	3100	036109601P	226	3115	06B109611B	257	3131	03F109611C	258
3051	4673861	60	3100	036109601P	256	3116	062109601	262	3132	038109601E	12
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3051	98407026	64	3101	036109611L	256	3118	03G109601A	12	3132	038109601E	228
3052	036109601AL	254	3102	036109601S	9	3118	03G109601A	223	3132	038109601E	263
3053	041109601	254	3102	036109601AD	9	3118	03G109601A	262	3133	038109611E	12
3054	041109611	254	3102	036109601S	220	3119	03G109611B	12	3133	038109611E	223
3061	030109601	254	3102	036109601AD	220	3119	03G109611B	223	3133	038109611E	228
3061	030109601	261	3102	036109601AD	226	3119	03G109611B	262	3133	038109611E	263
3062	051109601B	8	3102	036109601S	226	3120	03G109601B	12	3134	045109601	12
3062	051109601B	220	3102	036109601AD	257	3120	68001582AA	32	3134	045109601	263
3062	051109601B	254	3102	036109601AK	257	3120	68001582AA	107	3135	045109611	12
3063	051109611B	8	3102	036109601S	257	3120	MN980080	168	3135	045109611	263
3063	051109611B	220	3102	03C109601L	257	3120	03G109601B	223	3136	057109601	12
3063	051109611B	254	3103	036109611K	9	3120	03G109601B	228	3137	057109611B	12
3064	021109601E	255	3103	036109611K	220	3120	03G109601B	263	3138	059109601G	13
3064	021109601H	255	3103	036109611K	226	3121	03G109611D	12	3138	059109601G	228
3064	021109601J	255	3103	036109611K	254	3121	68001583AA	32	3138	059109601G	263
3064	021109601K	255	3103	036109611K	254	3121	68001583AA	107	3139	059109611K	13
3064	021109601L	255	3103	036109611AE	254	3121	MN980081	168	3139	059109611H	13
3065	021109611F	255	3103	036109611K	257	3121	03G109611D	223	3139	059109611K	228
3065	021109611G	255	3103	036109611AE	257	3121	03G109611D	228	3139	059109611K	263
3065	021109611D	255	3103	03C1096011Q	257	3121	03G109611D	263	3140	038109601F	13
3068	036109601AE	255	3103	03C109611G	257	3122	059109601F	12	3140	038109601F	263
3068	036109601AA	255	3103	03C109611R	257	3122	059109601F	228	3141	038109611G	13
3069	036109611R	255	3104	030109601AG	220	3122	059109601F	263	3141	038109611G	263
3069	036109611T	255	3104	030109601AG	226	3123	059109611G	12	3142	03L109601	13
3070	036109601R	255	3104	030109601AG	257	3123	059109611G	228	3142	03L109601	223
3071	036109611J	255	3104	030109601AC	257	3123	059109611G	263	3142	03L109601	224
3077	55567302	182	3105	030109611N	220	3126	06D109601K	9	3142	03L109601	228
3077	641460	182	3105	030109611N	226	3126	06D109601M	9	3142	03L109601	264
3078	55567301	182	3105	030109611N	257	3126	06E109601E	9	3142	04L109601B	264
3078	641459	182	3106	028109601J	222	3126	06D109601K	221	3143	03L109611	13
3080	030109601AK	220	3106	028109601J	227	3126	06E109601E	221	3143	03L109611	223
3080	030109601AK	255	3106	028109601J	262	3126	06D109601M	221	3143	03L109611	224
3080	030109601AP	255	3107	028109611K	222	3126	06D109601K	226	3143	03L109611	228
3080	030109601AS	255	3107	028109611K	227	3126	06E109601E	226	3143	03L109611	264
3081	030109611S	220	3107	028109611K	262	3126	06D109601M	226	3143	04L109611B	264
3081	030109611S	255	3108	059109601B	11	3126	06D109601K	257	3144	03L109601A	13
3081	030109611AE	255	3108	059109601C	11	3126	06D109601M	257	3144	03L109601A	223

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
3144	03L109601A	229	3225	222114A061	120	3308	R502454	109	3487	BP0112111	145
3144	04L109601A	229	3226	222124A061	101	3309	R502455	109	3488	BP0112121	145
3144	03L109601A	264	3226	222124A061	120	3310	R90602	109	3489	JE0112111	145
3144	04L109601A	264	3228	2221242220	101	3311	R90601	109	3490	B36612111	145
3145	03L109611A	13	3229	2221142861	101	3353		102	3491	B36612121	145
3145	03L109611A	223	3229	2221142860	168	3357		102	3492	ZL0212111	145
3145	03L109611A	229	3230	2221242861	101	3402	11347539919	17	3493	ZL0212121	145
3145	04L109611A	229	3230	2221242860	168	3403	11347553774	17	3494	KF0112111A	146
3145	03L109611A	264	3248	1320530001	229	3404	11347533884	17	3495	K80112121	146
3145	04L109611A	264	3248	1010A124	229	3404	0948F9	39	3495	KF0112121	146
3147	04E109601	221	3249	1320530005	229	3404	753388480	39	3496	G60112111	146
3147	04E109601	227	3249	1011A078	229	3404	0949F6	39	3497	G60112121	146
3147	04E109601	258	3250	1600530001	155	3404	753388580	39	3497	G60212121	146
3148	04E109611L	221	3250	1600530101	155	3404	11347533884	162	3497	G61212121	146
3148	04E109611L	227	3250	1600530001	229	3404	0948F9	197	3500	YF0912111	146
3148	04E109611L	258	3251	1600500027	155	3405	11347533885	17	3501	F8CZ6505AA	78
3188	2221104000	98	3251	1600500327	155	3405	0949F6	39	3501	YF0912121	146
3188	2221104000	117	3251	1600500027	229	3405	11347533885	162	3502	AJ0312111	146
3189	2221204000	98	3252	2660530105	154	3405	0949F6	197	3503	AJ0312121	146
3189	2221204000	117	3252	2660500027	154	3406	11347503737	17	3504	ZJ0112111A	146
3190	2221103000	98	3253	2710530001	155	3406	11341435461	17	3505	ZJ0112121	146
3190	2221103201	98	3254	2710500027	155	3407	11341485585	17	3505	ZJ0112121A	146
3190	2221103000	117	3254	2710500427	155	3407	11347829955	17	3505	ZJ0112121B	146
3190	2221103201	117	3255	2710530501	155	3407	11347513019	17	3506	ZY0112111A	146
3191	2221203000	98	3255	2710530601	155	3407	11347513023	17	3507	ZY0112121	146
3191	2221203201	98	3256	2710500627	155	3407	04777770AB	29	3507	ZY0112121A	146
3191	2221203000	117	3257	2720530801	155	3407	11341485585	29	3507	ZY0112121B	146
3191	2221203201	117	3257	2720530201	155	3407	11341485585	162	3510	L3K912111	147
3192	222112F000	100	3258	2720500927	155	3407	11347513023	162	3511	L3K912121C	147
3192	222112F000	119	3258	2720500227	155	3407	11341485585	213	3514	1E0512111	147
3193	222122F001	100	3258	2780500427	155	3407	11347829955	213	3515	1E0512121	147
3193	222122F201	119	3259	2720530501	155	3407	11347513019	213	3516	Z50112111C	147
3194	OBP1B12111	117	3259	2720530601	155	3408	11347829943	17	3516	Z50112111A	147
3195	MBP0512121A	117	3260	2720500827	155	3408	11347829944	17	3517	Z50112121	147
3198	2221222004	100	3260	2720500627	155	3408	11347513020	17	3518	KL0112111A	147
3200	2221102510	98	3260	2720501627	155	3408	11347513024	17	3519	KL0112121	147
3200	2221102500	98	3261	1350530001	155	3408	04777772AC	29	3520	JE2612111	147
3201	2221202500	98	3261	MR984260	164	3408	04777772AB	29	3521	JE2612121	147
3204	2221142200	100	3261	1350530001	229	3408	11347829943	29	3522	057112111	147
3205	2221242200	100	3262	1350530005	155	3408	11347829943	162	3523	057112121	147
3209	2221126600	98	3262	MR984261	164	3408	11347513024	162	3524	KJ0112111	147
3209	2221126600	117	3262	1350530005	229	3408	11347829943	213	3525	KJ0112121A	147
3210	2221226000	98	3263	1110531201	156	3408	11347829944	213	3526	B3C712111A	148
3210	2221226000	117	3264	1110501327	156	3408	11347513020	213	3527	B3C712121A	148
3211	2221123600	99	3265	1130530201	156	3409	11347553771	17	3527	B3D212121A	148
3211	2221123600	117	3266	1130500327	156	3409	11347539915	17	3528	ZL0121111	148
3212	2221223600	99	3271	4700500626	160	3410	11347553772	17	3529	ZL0121212	148
3212	2221223600	117	3272	4700500427	160	3411	11347553775	18	3530	R2AA12111	149
3213	2221123100	99	3273	9360500026	161	3412	11347553776	18	3531	R2AA12121	149
3214	2221223100	99	3273	9360500126	161	3412	11347573840	18	3534	SH0112111	149
3215	222112B000	99	3274	9360500027	161	3412	11347573840	18	3535	SH0112121A	149
3215	222112B000	118	3280	5410530101	161	3413	11347552952	18	3535	SH0112121D	149
3215	222112B400	118	3281	4570500327	161	3414	11347552953	18	3552	MD162780	164
3216	222122B000	99	3282	4710500426	56	3415	11347791054	20	3553	MD162800	164
3216	222122B000	118	3282	4710500426	161	3415	11347791054	163	3554	MD4667807	164
3217	2221123000	99	3283	4710500527	56	3415	11347791054	215	3554	MD4667969	164
3218	2221223000	99	3283	4710500527	161	3415	1371133030	234	3555	MD4667810	164
3219	2221137201	99	3283	4710500427	161	3415	1371133030	246	3555	MD4557972	164
3219	2221137201	118	3284	2700530001	156	3415	1371133031	246	3556	MD348769	164
3220	2221237200	99	3285	2700500100	156	3416	11347791055	20	3559	MR994497	165
3220	2221237200	118	3286	2780500126	156	3416	11347791055	163	3560	MR994498	165
3221	2221127001	101	3287	2760500027	156	3416	11347791055	215	3563	MD348770	164
3221	2221127000	101	3290	6650500427	231	3416	1371533040	234	3580	ME203101	168
3221	2221127001	119	3291	6650530401	231	3416	1371533040	246	3581	ME203102	168
3221	2221127000	119	3292	6010531801	231	3416	1371533041	246	3586	MN176597	168
3222	2221227000	101	3293	6010502627	231	3417	11127797711	21	3587	MN176598	168
3222	2221227001	101	3300	R518806	108	3418	11347797712	21	3600	132018H300	173
3222	2221227000	119	3301	R524875	108	3418	11348511622	21	3601	132026N200	173
3222	2221227001	119	3304	R520223	108	3419	11347799612	21	3602	132011F700	173
3223	222112A100	101	3305	R520224	108	3420	11347583777	18	3602	13201BC000	173
3223	222112A100	120	3306	R122035	109	3420	11347583779	18	3603	132021F700	173
3224	222122A100	101	3306	R516892	109	3422	11347598273	18	3603	13202BC000	173
3224	222122A100	120	3306	R122035	109	3480	PE0112111	145	3604	132019E000	173
3225	222114A061	101	3306	R516892	109	3481	PE0112121	145	3604	13201VJ260	173

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3605	132029E000	173	3703	12550909	89	3843	1291569G50	236	4049	2128477	29
3605	13202VJ26A	173	3704	14033927	89	3848	1291186FA0	236	4050	2527802	26
3606	13201BM505	174	3705	10149663	89	3849	1291586F50	236	4050	2243028	26
3607	13202BM500	174	3706	12601762	90	3850	1291178E00	238	4051	2481467	26
3608	13201AU300	174	3706	12601762	216	3851	1291578E00	238	4051	2243030	26
3609	13202AU300	174	3707	2221142220	101	3852	1291169L00	182	4052	3081861	26
3610	13201VC200	174	3708	12568411	90	3852	1291169L00	237	4052	3441624	26
3611	13202VC200	174	3708	12577696	90	3853	1291569L00	182	4053	3081860	26
3616	13201ED000	174	3709	12568412	90	3853	1291569LGO	182	4054	2418382	27
3616	13201ED00A	174	3709	12577697	90	3853	1291569L00	237	4054	2527803	27
3616	13201ED00C	174	3710	12590771	23	3853	1291569LGO	237	4100	1W1818	27
3617	13202ED000	174	3710	12617533	23	3860	1371187202	55	4101	1W1819	27
3617	13202ED00A	174	3710	12617533	90	3861	1371587202	55	4102	1W8606	27
3617	13202ED00C	174	3710	12590771	90	3862	1371197205	55	4103	1W1822	27
3618	13201EN20A	174	3711	12582719	23	3863	1371597203	55	4103	2W3211	27
3618	13201EN20A	209	3711	12612427	23	3863	1371587208	55	4104	1457390	27
3619	13202EN200	174	3711	12582719	90	3864	1371187208	55	4104	2527801	27
3619	13201EN20A	209	3711	12612427	90	3902	8970274992	103	4105	1478211	27
3620	1320153F02	174	3722	23518745	56	3903	8970141741	103	4105	1557130	27
3621	1320253F00	174	3723	23519093	56	3904	8970338642	104	4106	1537023	27
3622	1320131V60	175	3726	4720500126	56	3904	8970338641	104	4106	2365605	27
3623	1320231V60	175	3726	4730500126	56	3905	8972195092	104	4107	1537024	27
3624	1320138V60	175	3726	4720500126	161	3905	8971891140	104	4108	1528380	27
3625	1320238V60	175	3726	4730500126	161	3906	8943958822	104	4109	1527585	27
3626	13201F6511	175	3727	4730500127	56	3907	8972098763	104	4110	1227353	28
3627	1320240P00	175	3727	4730500127	161	3908	8980169730	104	4111	1018314	28
3627	13202F6511	175	3728	11140400	56	3908	8973096751	104	4112	7W7490	28
3628	132014A00A	175	3729	12140400	56	3909	8980169741	104	4113	7W7491	28
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3628	4708925	182	3786	13201AA082	233	3910	9944649210	105	4114	1874123	28
3628	93193754	236	3786	13201AA190	233	3910	8944649212	105	4115	1883122	28
3628	1291151K00	236	3787	13202AA110	233	3910	641042	186	4116	2335469	28
3628	4708925	236	3787	13202AA112	233	3986	222112G000	99	4117	2335470	28
3629	132024A00D	175	3787	13202AA171	233	3986	2221125000	118	4118	7E4609	28
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3629	4708933	182	3794	13201AA180	233	3986	222112G000	118	4118	7E4609	28
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3629	4708933	236	3795	13202AA161	233	3987	2221225000	118	4119	9H4811	28
3629	1291587L50	236	3796	13201AA250	233	3987	2221225002	118	4119	9H1087	28
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3635	1320284A00	175	3797	13202AA270	233	4003	9165598	216	4121	1632431	29
3636	1320140F00	175	3798	13201AA420	233	4004	9165580	216	4122	1632432	29
3637	1320240F01	175	3799	13202AA430	233	4005	90410816	215	4122	1577126	29
3640	132010Z800	176	3800	13201AA361	233	4006	9185851	216	4123	5I7738	29
3641	132020Z800	176	3801	13202AA371	233	4007	9399965	216	4124	5I7739	29
3644	132016F900	178	3802	1291171C00	233	4007	9179219	216	4125	2418383	27
3645	132026F900	178	3802	1291171C00	236	4008	12601763	90	4130	612979	25
3648	1320167U00	178	3802	1299171C00	236	4008	12601763	216	4195	4663836AA	30
3649	1320267U00	178	3803	1291571C50	233	4030	2941684	25	4196	4892094AA	30
3652	1320100QQA	178	3803	1291571000	236	4031	2941685	25	4197	04663345	30
3652	132012274R	178	3803	1291571C50	236	4032	3096688	26	4198	04448052	30
3652	4431242	186	3804	13201AA530	234	4032	3142H091	187	4199	04621116	30
3652	4420439	186	3805	13202AA560	234	4033	3399637	26	4200	MD301193	30
3652	93168105	186	3806	13201AA351	234	4033	3142A181	187	4200	MD301193	165
3652	7701476596	211	3807	13202AA361	234	4034	3142H101	187	4200	MD159502	165
3652	132012274R	211	3808	13201AA390	234	4035	3142A171	187	4201	MD306183	30
3652	93161682	250	3808	13201AA371	234	4036	1642542	26	4201	MD197097	165
3653	1320200QQA	178	3809	13202AA400	234	4037	23529596	57	4201	MD199193	165
3653	4431241	186	3809	13202AA411	234	4038	4W5374 GAS	23	4201	MD306183	165
3653	93161681	186	3809	13202AA412	234	4039	2W2443 GAS	23	4201	MD303177	165
3653	7701476595	186	3814	1371154030	246	4040	1220321	26	4202	04663836	30
3653	7701476595	211	3814	1371105020	246	4041	1220322	26	4203	04663347	30
3653	93161681	250	3815	1371554050	246	4041	1642543	26	4203	04663347	30
3660	132019X700	178	3830	1371175110	241	4042	2102529	26	4203	04663347	30
3661	132029X700	178	3831	1371575100	241	4043	1047184	26	4204	04648615	30
3662	13201FY500	179	3832	1371130040	246	4043	2102542	26	4205	04648613	30
3663	13202FU400	179	3832	137110L010	246	4043	3074641	26	4206	04667969AB	31
3664	132011AT0A	179	3833	1371530040	246	4043	3089177	26	4206	04884691AA	31
3665	132021AT0A	179	3833	137150L010	246	4043	5008528	26	4207	04884690AA	31
3700	10198816	89	3834	13711B1020	246	4043	5008527	26	4207	050737737AA	31
3701	10198817	89	3835	13715BZ010	246	4044	1944897	26	4207	04777898AA	31
3702	2114084	89	3840	1291173G00	236	4044	4432712	26	4207	4884690AA	31
3702	10241743	89	3841	1291573G00	236	4047	2120932	26	4208	04663899	31
3703	2113234	89	3842	1291169G00	236	4048	2120933	26	4208	04663899	31

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4209	04663902	30	4303	3166410	44	5045	R83071	109	5145	676865C2	102
4209	04663902	31	4303	3800891	44	5046	R89227	109	5157	11341722908	18
4210	04781025AA	31	4304	4965868	45	5048	5000681141	203	5158	11341722909	18
4211	04781029AB	31	4304	4059326	45	5048	5010295349	203	5159	11341722910	18
4212	53021550AA	33	4304	3685996	45	5048	5000663529	203	5160	11341722911	18
4212	53021550AA	106	4305	4101454	45	5048	5000658408	203	5161	15451-13112	122
4213	53021551AA	33	4306	3802813	45	5048	5000663520	203	5162	15451-13122	122
4213	53021551AB	33	4306	3927254	45	5048	5000663530	203	5163	2032823	217
4213	53021551AB	106	4307	3927255	45	5053	153694	203	5163	2026052	217
4213	53021551AA	106	4307	3802812	45	5053	153695	203	5165	11347548280	19
4216	05066770AA	32	4308	216707	45	5054	153693	203	5166	11341440304	19
4216	05066770AA	107	4308	138886	45	5054	5000670206	203	5167	11347592839	17
4217	05066769AA	32	4308	138887	45	5054	5000670730	203	5167	11341707519	17
4217	05066769AA	107	4311	3394112	45	5054	153692	203	5167	11347503738	17
4218	05175396AA	32	4311	3394112	45	5054	5000670730	203	5167	11341707519	19
4218	05175396AA	108	4312	4899632	44	5054	5000663527	203	5167	11347529839	19
4218	6420530401	159	4312	4899632	62	5054	5000663464	203	5182	14711PH3000	92
4218	5175396AA	159	4400	2401007014B7	90	5054	5000670121	203	5182	14711PH3000	92
4218	MN960088	169	4400	2401007014B4	90	5054	5000670206	203	5183	14721PH7000	92
4218	05175396AA	229	4400	2401007014B9	90	5054	5000663528	203	5186	5000678873	203
4219	05175397AA	32	4400	2401007014B7	141	5066	030109601E	254	5187	5000678652	203
4219	05175397AA	108	4400	2401007014B4	141	5069	R79630	109	5189	21428679	202
4219	6420500527	159	4400	2401007014B9	141	5069	R79629	109	5189	21428675	202
4219	5175397AA	159	4400	2401007014B7	169	5069	R79628	109	5189	21428679	270
4219	MN960089	169	4400	2401007014B4	169	5069	R79623	109	5189	21428675	270
4219	05175397AA	229	4400	2401007014B9	169	5070	R79625	109	5194	622604600054	139
4220	68027469AA	32	4400	2401007014B7	187	5070	R79626	109	5195	630804600024	139
4220	68027469AA	108	4400	2401007014B4	187	5070	R79627	109	5195	622604603024	139
4220	K68027469AA	132	4400	2401007014B9	187	5070	R79624	109	5197	14711P73J01	92
4221	68027470AA	32	4400	4753526630	247	5071	R45004	109	5198	620704603024	139
4221	68027470AA	108	4400	2401007014B7	273	5071	R45005	109	5198	630804600014	139
4221	K68027470AA	132	4400	2401007014B4	273	5071	R45003	109	5198	630504600044	139
4224	KK05047068AA	33	4400	2401007014B9	273	5071	R43883	109	5199	630504600034	139
4224	KK05047068AB	33	4401	2401007015B6	90	5072	R43914	110	5199	620704603014	139
4224	0948F2	39	4401	2401007015B7	90	5073	R50358	110	5200	622804603014	139
4224	0948F2	106	4401	2401007015B9	90	5073	R55055	110	5206	11341404588	19
4224	MN187696	165	4401	2401007015B6	141	5073	R55057	110	5207	11341404589	19
4224	1010A243	165	4401	2401007015B7	141	5073	R55059	110	5211	MD342090	165
4224	0948F2	197	4401	2401007015B9	141	5074	R55056	110	5212	MD342091	165
4225	KK05047069AA	33	4401	2401007015B6	169	5074	R55058	110	5214	MD139755	165
4225	KK05047069AB	33	4401	2401007015B7	169	5074	R50357	110	5214	MD149314	165
4225	0949E7	39	4401	2401007015B9	169	5074	R55060	110	5214	MD139755	274
4225	0949E7	106	4401	2401007015B6	187	5075	R43787	109	5215	MD128434	165
4225	MN183950	165	4401	2401007015B7	187	5075	R43788	109	5216	MD128435	165
4225	1011A178	165	4401	2401007015B9	187	5075	R43789	109	5216	MD128435	274
4225	0949E7	197	4401	4753421198	247	5075	R43679	109	5217	MD339752	165
4226	4105579	33	4401	2401007015B6	273	5075	R43789	110	5217	MD339752	274
4227	5214866	33	4401	2401007015B7	273	5075	R43679	110	5218	MD339754	165
4228	4298131	33	4401	2401007015B9	273	5075	R43787	110	5218	MD339754	274
4229	4298142	33	4402	61560050042	97	5075	R43788	110	5219	4159139	113
4230	4448052	33	4403	61560050041	97	5077	R75690	110	5219	4231804	113
4231	4621115	33	5016	048109601E	258	5078	R63982	110	5221	4153455	112
4235	BR3Z6505A	88	5032	6240414110	120	5080	3142L051	188	5226	20833932	22
4240	BR3Z6507A	88	5032	4089089	120	5080	3142L071	188	5226	20980413	22
4240	FR3Z6507A	88	5032	4007179	120	5082	3142L072	188	5226	04903005	114
4241	FR3Z6505A	88	5033	6240414210	120	5093	F5UZ6507A	87	5226	20833932	134
4242	AA5Z6507A	88	5034	6221414110	120	5094	F4TZ6505B	87	5226	20980413	272
4243	AA5Z6505A	88	5035	6221414211	120	5100	8971317290	105	5226	20833932	272
4244	BC3Z6507A	88	5036	6162434110	120	5101	8944332450	105	5227	20833936	22
4245	CC3Z6505B	88	5036	6162434111	120	5101	8982773830	105	5227	20997871	22
4250	53006723	31	5037	6162434110	120	5101	89704386H	105	5227	04903006	114
4250	33003515R	106	5037	6164414211	120	5101	8970438612	105	5227	20980413	134
4251	33003860R	106	5037	6164414211	120	5101	641352	186	5227	20997871	272
4252	53020747AB	107	5038	6736414110	121	5112	E5D312111	148	5227	20833936	272
4253	53020748	107	5039	6736414210	121	5113	E35812121	148	5228	23507504	57
4256	53010512AA	107	5040	6215414110	121	5117	1371511030	242	5228	23524521	57
4257	53010513AA	107	5041	6215414212	121	5123	1371110020	241	5229	T1464556	33
4300	207241	44	5042	50213800	121	5124	1371510030	241	5230	622604605014	139
4300	3088393	44	5042	6127414113	121	5125	1371210010	241	5231	622604607014	139
4300	3088391	44	5043	50213900	121	5126	1371111012	242	5232	622604605034	139
4300	3035110	44	5043	6127414214	121	5126	1371111011	242	5232	622604607034	139
4301	166774	44	5045	R89224	109	5144	675046C4	102	5240	030109601L	221
4302	3803854	44	5045	R89222	109	5144	675046C2	102	5240	030109601J	221
4302	3084045	44	5045	R89223	109	5145	676865C4	102	5240	030109601J	258

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
5240	030109601L	258	5455	6209414210	121	5533	137150T010	135	5627	3940734	57
5242	032109601G	221	5455	6209414210	121	5533	1371537030	136	5627	4895051	65
5242	032109601F	259	5455	6204414210	121	5533	1371537030	244	5627	1404918	91
5242	032109601G	259	5455	50222984	121	5533	137150T010	244	5627	1404918	230
5243	030109611G	221	5455	52409645	121	5534	1371188600	244	5627	3940734	239
5243	032109611G	221	5456	6136414110	121	5535	1371588601	244	5628	504069199	65
5243	032109611G	227	5457	6136414211	121	5536	1371122030	244	5628	500362855	65
5243	032109611G	259	5458	50222606	122	5537	1371522030	244	5628	504378070	65
5243	032109611G	259	5458	6150414111	122	5538	1371147010	234	5629	500362856	65
5243	032109611G	259	5459	6150414210	122	5538	1371147010	244	5634	500355778	65
5244	030109601N	259	5459	50222607	122	5539	1371547010	234	5635	504080352	65
5244	030109601M	259	5460	6209414110	121	5539	1371547010	244	5635	500355780	65
5245	030109611D	221	5460	58234197	121	5550	1371154040	247	5635	504293892	65
5245	030109611D	221	5492	137110R010	135	5551	1371567040	247	5640	0948F1	43
5245	030109611D	222	5492	137110R010	246	5552	1371130030	247	5640	0948G7	43
5245	030109611D	259	5492	1371151030	246	5553	1371530030	247	5640	504072531	65
5245	030109611D	259	5493	137150R010	135	5554	14711383000	97	5640	504238926	65
5245	030109611D	259	5493	137110R010	246	5555	14721383000	97	5640	QQC000162	169
5246	030109601AH	221	5493	1371551030	246	5583	14711P07000	92	5640	0948F1	202
5246	030109601AD	221	5494	1371131100	134	5584	14721P07000	92	5640	0948G7	202
5246	030109601AH	227	5494	1371131100	242	5586	14721RBDE00	97	5641	0949E6	43
5246	030109601AD	227	5495	1371531120	134	5587	14711RB0000	93	5641	0949G1	43
5246	030109601AD	259	5495	1371531120	242	5588	14721RB0000	93	5641	504081062	65
5246	032109601E	259	5496	1371150060	135	5589	14711R60000	93	5641	504238928	65
5246	030109601AH	259	5496	1371150060	242	5590	14721P2A000	93	5641	504184682	65
5248	030109601G	222	5497	1371550060	135	5604	14711PE0660	93	5641	QQC000143	169
5248	030109601G	259	5497	1371550060	242	5605	14721PE0660	93	5641	0949E6	202
5250	030109601AB	259	5497	1371550070	242	5606	14711PM3000	93	5641	0949G1	202
5250	030109601AA	259	5498	1371170060	135	5606	14711P1KE01	93	5800	14711PWA000	94
5288	132017322R	47	5498	1371170060	242	5606	FDU1485	213	5801	14721PWA000	94
5288	132017322R	209	5499	1371570080	135	5606	LGH101100	93	5802	14711P8EA00	94
5288	132013562R	209	5499	1371570080	242	5607	14721PM3000	213	5803	14721P8EA00	94
5289	132027223R	47	5502	1371115030	242	5607	14721P1KE01	93	5804	14711P08000	94
5289	132027223R	209	5502	1371115050	242	5607	FDU1487	213	5804	14711P2A000	94
5289	132025379R	209	5502	1371115050	242	5607	LGH101110	213	5804	14711P1JE00	94
5291	5010450589	203	5503	1371515030	242	5608	14711PG6000	93	5804	LGH101310	213
5291	5000676035	203	5504	1371142020	242	5609	14721PG6000	93	5805	14721P08000	94
5291	5000676035	203	5505	1371542010	242	5610	14711POBA00	93	5805	14721P1JE00	94
5291	5010553049	203	5506	1371174040	243	5611	14721PH3000	92	5805	14721P2A000	94
5291	5000667762	203	5506	1371174020	243	5611	14721P75000	96	5805	14721P2A000	95
5292	5010553312	203	5507	1371574020	243	5611	14721P75A00	96	5805	LGH101330	213
5292	5010450590	203	5512	1371162020	243	5614	14711PT3A00	94	5806	14711PNA000	95
5292	5000676258	203	5513	1371562020	243	5614	14711PT3A00	94	5807	14721PNA000	95
5292	5000667939	203	5514	1371165010	243	5614	14711P45601	94	5807	14721PRB000	95
5293	5010359501	203	5515	1371565010	243	5614	14711PV1000	94	5808	14711RNA000	95
5294	5010412164	203	5516	1371162030	243	5615	14721PT6A00	94	5810	14711PCX000	95
5295	5010284847	204	5517	1371562030	243	5615	14721P45601	94	5811	14721PCX000	95
5296	5010284848	204	5517	1371562040	243	5615	14721PT3A00	94	5811	14721R40A00	95
5297	7420540013	204	5517	1371562050	243	5616	14711PY3000	94	5812	14711R40A00	95
5297	7420540017	204	5520	2221122003	100	5616	14711P5A000	94	5814	14711PT2000	95
5297	20540017	272	5520	2221122003	100	5617	14721P5A000	94	5815	14721PT2000	95
5298	7420564020	204	5521	2221222011	100	5617	14721PY3000	94	5818	14711POA000	95
5298	7421430918	204	5522	1371120020	135	5618	14711RBDE00	97	5818	14711PDAE00	95
5298	21430918	272	5522	1371120020	243	5621	99444132	63	5818	14711POHA00	95
5298	20564020	272	5523	1371520020	135	5621	4828299	63	5819	14721POHA00	95
5310	1G89613110	122	5523	1371520020	243	5622	98474603	64	5819	14721PDAE00	95
5311	1G89613120	122	5524	1371146022	135	5622	98478407	64	5819	14721POA000	95
5320	961004600014	139	5524	1371146021	135	5623	98474604	64	5820	14711P13000	96
5321	961004600024	139	5524	1371146022	243	5624	500355776	64	5821	14721P13000	96
5322	12275153	140	5524	1371146021	243	5624	504042366	64	5822	14711PR3000	96
5323	12275154	140	5525	1371546020	135	5624	5801551448	64	5823	14721PR3000	92
5324	623404600014	140	5525	1371546020	243	5625	504042367	64	5823	14721PR3000	96
5325	623404600064	140	5526	1371103020	244	5625	500355779	64	5824	14711P75000	96
5326	623404600054	140	5526	1371174101	244	5625	504314695	64	5824	14711P75A00	96
5438	3142H002	188	5527	1371503020	244	5626	3940735	45	5825	14721PV1000	94
5441	1888640	29	5527	1371574100	244	5626	1404919	54	5826	14711PBY500	96
5441	1888640	188	5528	1371187103	55	5626	3940735	57	5827	14721PR7A00	96
5442	1529857	29	5528	1371187104	55	5626	4895052	65	5840	4646005	132
5442	1529857	188	5529	1371587105	55	5626	1404919	91	5840	LR002447	132
5443	31431731	187	5529	1371587106	55	5626	1404919	230	5840	4646005	213
5452	6136424110	121	5532	137110T010	135	5626	3940735	239	5840	LR002447	213
5453	6136424210	121	5532	1371137020	136	5627	3940734	45	5841	4646004	132
5454	6207414110	121	5532	1371137020	244	5627	3968183	45	5841	4646004	213
5454	50222985	121	5532	137110T010	244	5627	1404918	54	5850	14711RLOG00	97

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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
5851	14721RLOG50	97	9401	11347812616	21	15455	96896008	50			
5900	375631	108	9401	11347812616	163	15455	96440079	50			
5901	375630	108	9544	AJ810945	105	15455	96376980	50			
5902	414487	108	9545	NCA2532AA	105	15502	1823875C2	102			
5903	369443	108	9547	EAC1547	105	15503	1824840C1	102			
5904	334781	108	9548	EAC1548	105	15504	1839968C1	102			
5905	334782	108	9549	XR822776	106	15505	1842145C2	102			
6008	LGH000030	133	9550	AJ810106	106	15506	8C3Z6507A	102			
6008	LGH000030	213	15047	15221-13110	122	15507	8C3Z6505A	102			
6009	LGH000040	133	15048	15221-13212	122	0516+0,6T	4821710	59			
6009	LGH000040	213	15050	15261-13110	122	2692+0,6T	4826033	75			
6094	1371150020	244	15051	15261-13210	122	2692+0,6T	4826033	131			
6095	1371550020	244	15158	7E9578	29	2695+0,6T	7588577	5			
6118	MD075925	34	15158	7C5215	29	2695+0,6T	7588577	77			
6118	MD075925	166	15158	1242692	29	2695+0,6T	7588577	131			
6119	MD075927	34	15158	1929213	29						
6119	MD075927	166	15158	1570672	29						
6120	MD088811	166	15159	1337029	29						
6120	2221135004	166	15159	7C1586	29						
6121	MD088812	166	15159	1570671	29						
6121	MD096219	166	15238	F4T76507B	87						
6123	MD085253	166	15238	1823453C1	87						
6124	MD085254	166	15239	F4T76505C	87						
6125	MD083848	34	15239	1823452C1	87						
6125	MD083849	166	15256	671304C2	122						
6125	MD083848	166	15257	341057R2	122						
6126	MD083851	34	15259	15393-13110	123						
6126	MD083851	166	15260	15393-13120	123						
6127	MD024518	34	15261	14601-13110	123						
6127	MD024518	166	15262	14601-13120	123						
6128	MD024519	34	15273	1C01013113	123						
6128	MD024519	166	15274	1C01013122	123						
6129	MD162799	166	15275	1G67313110	123						
6129	MD162422	166	15276	1G67313120	123						
6130	MD162423	166	15402	1818580C1	102						
6131	MN163799	166	15403	1824838C1	102						
6132	MN163286	166	15406	3068519	45						
6133	MD173602	169	15406	3070473	45						
6134	MD180356	169	15406	3803726	45						
6411	7701474099	209	15406	3803425	45						
6412	7701474100	209	15406	3069672	45						
6502	3142L081	188	15406	3406657	45						
6502	3142L088	188	15407	23501576	57						
6503	3142D051	188	15407	8929589	57						
6506	3142D041	188	15407	23529629 Nimonin	57						
6507	3142D031	188	15408	8929590	57						
6513	3142H041	189	15408	23501577	57						
6514	3142D061	189	15409	3033234	46						
6515	2255495	29	15409	3801357	46						
6515	3142H071	134	15409	3606856	46						
6515	3142H071	189	15409	3803995	46						
6516	2255499	29	15409	3417713	46						
6516	3142A151	134	15409	3818520	46						
6516	3142A151	189	15411	3418020	46						
6521	732101M1	141	15411	4955239	46						
7011	R44174	110	15411	4926069	46						
7012	R98062	110	15411	3800638	46						
7012	R97490	110	15411	3803311	46						
7014	R97492	110	15411	3070159	46						
7014	R90692	110	15411	3418021	46						
7015	R84618	111	15411	3800639	46						
7015	R93308	111	15415	3942588	46						
7015	R93312	111	15415	3800340	46						
7016	R84619	111	15415	3800340	179						
7016	R93313	111	15416	3800341	46						
7016	R93311	111	15416	3942589	46						
7017	R26124	111	15416	3800341	179						
7018	R26123	111	15419	3802659	46						
8001	4420160191	161	15419	3922714	46						
8002	4420160391	161	15420	3922713	46						
8003	5410160791	161	15420	3802658	46						
8004	9060160791	162	15454	96376881	50						
9400	11347812618	21	15454	96440081	50						
9400	11347812618	163	15454	96896007	50						

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ALFA ROMEO	Pag	195580330100	0002	4	035109611H	3007	8	068109601N	3044	11
116080330101	0006	55195535	1398	4	069109601F	3043	8	068109611L	3045	11
60513310	1092	46802049	1398	4	069109601G	3043	8	074109611	3045	11
60564098	1092	55202557	1399	4	069109601H	3043	8	069109611	3045	11
195360330000	1092	55193126	1404	4	035109601C	3048	8	068109611M	3045	11
60512751	1093	46478834	1404	4	035109601F	3048	8	069109611	3045	11
195100330105	1093	60814605	1404	4	051109601B	3062	8	074109611	3045	11
60512982	1094	46750859	1404	4	051109611B	3063	8	059109601B	3108	11
60601089	1095	55202630	1405	4	077109601K	3084	8	059109601C	3108	11
60525336	1096	60814604	1405	4	077109611D	3085	8	059109611C	3109	11
A133798	1096	46416321	1405	4	077109601Q	3088	8	059109611B	3109	11
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55185080	2663	049109611K	1119	5	068109601	1123	10	BLMC DIESEL		Pag
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11341408016	0107	16	11342246525	0099	19	9M4163	1075	24	2365605	4106	27
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11347829944	3408	17	CADILLAC		Pag	612979	4130	25	7C1586	15159	29
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11347513024	3408	17	12786696	2192	22	2941685	4031	25	CHRYSLER	Pag	
11347553771	3409	17	12791961	2193	22	3096688	4032	26	04777770AB	3407	29
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11347548280	5165	19	1360819	1005	23	2481467	4051	26	04667969AB	4206	31

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04884691AA	4206	31	97531079	0818	35	9676359080	2268	39	0948A2	2705	43
04884690AA	4207	31	97531046	0819	35	9676359180	2269	39	0948F1	5640	43
050737737AA	4207	31	094958	0819	35	0948A5	2946	39	0948G7	5640	43
04777898AA	4207	31	91537492	0828	35	0949A5	2947	39	0949E6	5641	43
4884690AA	4207	31	91512944	0828	35	0948F9	3404	39	0949G1	5641	43
04663899	4208	31	094847	0828	35	753388480	3404	39	CUMMINS		Pag
04663899	4208	31	91512096	0828	35	0949F6	3404	39	150288	1964	43
04663902	4209	31	91518971	0830	35	753388580	3404	39	68276	1964	43
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04781025AA	4210	31	9606070180	0840	35	0948F2	4224	39	3040830	1966	43
04781029AB	4211	31	96059361	0840	35	0949E7	4225	39	3000926	1966	43
53006723	4250	31	094866	0840	35	CITROEN DIESEL		Pag	135957	1966	43
CHRYSLER DIESEL		Pag	9614703280	0841	35	95638449	0128	39	145701	1966	43
05073735AA	2792	31	094972	0841	35	96012815	0128	39	145701	1966	43
05073738AA	2793	31	96059362	0841	35	95638450	0129	39	3040830	1966	43
05073737AA	2793	31	9606070480	0841	35	96012816	0129	39	3275356	1967	44
68001582AA	3120	32	094976	0841	35	0948A8	0814	40	3275355	1967	44
68001583AA	3121	32	97531080	0838	36	96150145	0814	40	3920867	1968	44
05066770AA	4216	32	094858	0838	36	094874	0814	40	3901117	1968	44
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05175397AA	4219	32	96101887	0851	36	094846	0820	40	3802463	1970	44
CHRYSLER USA		Pag	094970	0851	36	93510774	0821	40	3915506	1970	44
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53021551AA	4213	33	094992	0855	36	93510773	0821	40	207241	4300	44
53021551AB	4213	33	094883	0858	36	93501280	0821	40	3088393	4300	44
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KK05047068AA	4224	33	0948A4	0873	36	96137360	0821	40	3035110	4300	44
KK05047068AB	4224	33	0949A4	0874	36	96007817	0844	40	166774	4301	44
KK05047069AA	4225	33	094899	0875	37	96008334	0844	40	4899632	4312	44
KK05047069AB	4225	33	094999	0876	37	094868	0844	40	3803854	4302	44
4105579	4226	33	0948A7	0877	37	094968	0845	40	3084045	4302	44
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4298131	4228	33	0949A7	0878	37	96079213	0845	40	3800891	4303	44
4298142	4229	33	0949C2	0878	37	094884	0846	40	4965868	4304	45
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MD083848	6125	34	094882	0887	37	96096146	0853	41	3927255	4307	45
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MD024518	6127	34	0948A9	0889	37	094895	0856	41	216707	4308	45
MD024519	6128	34	0948E0	0889	37	094996	0857	41	138886	4308	45
CITROEN		Pag	094875	0892	37	0948A3	0879	41	138887	4308	45
AM1247E	0122	34	094981	0893	37	0949A3	0880	41	3394112	4311	45
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95536026	0122	34	0949C4	0897	38	0948C0	0881	41	3940735	5626	45
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5457476	0123	34	96172597	2012	38	0949B1	0895	41	3068519	15406	45
91520847	0611	34	96172795	2013	38	0948C7	0898	41	3070473	15406	45
91510548	0618	34	91540782	2013	38	0949C3	0899	41	3803726	15406	45
95563504	0624	34	094962	2013	38	0948E6	1271	42	3803425	15406	45
094838	0624	34	91535017	2014	38	0949E3	1272	42	3069672	15406	45
95551307	0624	34	91537468	2014	38	0948C4	2256	42	3406657	15406	45
7910025378	0624	34	094856	2014	38	0949C1	2257	42	3033234	15409	46
7910025377	0624	34	094887	2014	38	0948E5	2258	42	3801357	15409	46
7910030808	0625	34	094957	2015	38	0949E1	2259	42	3606856	15409	46
95551308	0625	34	91535019	2015	38	0948F7	2274	42	3803995	15409	46
094942	0625	34	91537470	2015	38	0949F5	2275	42	3417713	15409	46
7910025382	0625	34	094957	2015	38	094896	2668	42	3818520	15409	46
95536524	0635	34	0948E8	2250	38	0949A0	2671	42	3418020	15411	46
95536523	0659	35	0949E2	2251	38	0949A0	2671	42	4955239	15411	46
91513446	0817	35	0948A6	2252	38	0949A0	2671	42	4926069	15411	46
91537493	0817	35	0949E2	2251	38	5478734	2700	42	4926069	15411	46
91508631	0817	35	0948E2	2253	38	95493872	2700	42	3800638	15411	46
094952	0817	35	0949C8	2254	38	95569116	2700	42	3803311	15411	46
97531079	0818	35	0948G4	2255	39	5457479	2701	42	3070159	15411	46
						95569117	2701	42	3418021	15411	46

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3800639	15411	46	FS060609	0821	50	1371140040	2253	54	8823545	0290	58
3942588	15415	46	642027	2314	51	1371540040	2254	54	8823548	0290	58
3800340	15415	46	641085	2314	51	1371540040	2254	54	8823549	0291	58
3800341	15416	46	98113743	2314	51	1371187701	2534	54	8823544	0291	58
3942589	15416	46	641400	2315	51	1371187705	2534	54	4535494	0294	58
3802659	15419	46	641086	2315	51	1371587702	2535	54	4535495	0295	58
3922714	15419	46	97385842	2315	51	1371587701	2535	54	4632840	0299	58
3922713	15420	46	96951454	2316	51	1371171010	2558	55	4580688	0302	58
3802658	15420	46	4817354	2316	51	1371571010	2559	55	4802204	0328	58
DACIA		Pag	4805321	2316	51	1371144013	2566	55	4695850	0304	59
7701458180	0405	46	96951455	2317	51	1371544022	2567	55	4683025	0304	59
7700638247	0407	46	4817338	2317	51	1371187202	3860	55	4683025	0304	59
7701471378	0448	47	6010502127	2748	51	1371587202	3861	55	4683026	0305	59
7701471379	0449	47	55223835	2944	51	1371197205	3862	55	2991999	0305	59
7701473354	0449	47	55223836	2945	51	1371597203	3863	55	4704214	0310	59
7701465088	0640	47	25183821	2327	51	1371587208	3863	55	4704215	0311	59
7701465090	0641	47	25183822	2328	51	1371187208	3864	55	4808415	0311	59
7701468149	0641	47	6010530401	2747	51	1371187103	5528	55	4638617	0312	59
132017322R	5288	47	6010531701	2747	51	1371187104	5528	55	4684088	0313	59
132027223R	5289	47	6010531201	2747	51	1371587105	5529	55	4684089	0314	59
7701472986	1704	47	6010501227	2748	51	1371587106	5529	55	98448462	0330	59
7701473004	1705	47	6010500227	2748	51	DAIHATSU DIESEL		Pag	98497241	0330	59
DACIA DIESEL		Pag	DAF TRUCKS		Pag	1371187312	2528	56	4860106	0330	59
7701473184	1702	47	1342220	1178	51	1371587319	2529	56	98443427	0330	59
7701473183	1703	47	1362696	1179	51	1371156030	2554	56	4860107	0331	59
DAEWOO-CHEVROLET		Pag	211260	1187	52	1371556030	2555	56	1908427	0331	59
90529527	2068	47	257263	1187	52	DETROIT DIESEL		Pag	8824754	0516	59
90529529	2069	47	210504	1188	52	4710500426	3282	56	4821709	0516	59
55565339	2069	47	517472	1188	52	4710500527	3283	56	8830045	0517	59
90215492	2146	48	257265	1188	52	23518745	3722	56	8825776	0517	59
96098751	2147	48	613965	1189	52	23519093	3723	56	4821711	0517	59
90220119	2164	48	674830	1189	52	4720500126	3726	56	4821710	0516+0,6T	59
90323756	2165	48	613966	1190	52	4730500126	3726	56	8806875	0524	60
90323757	2165	48	674829	1190	52	4730500127	3727	56	8821781	0524	60
641034	2168	48	242253	1191	52	11140400	3728	56	8806876	0525	60
641340	2169	48	242199	1192	52	12140400	3729	56	8821782	0525	60
90412277	2170	48	655395	1193	52	23501576	15407	57	580605	2456	60
90410813	2171	48	267356	1193	52	8929589	15407	57	580606	2457	60
96182934	2300	48	655398	1194	52	23529629 Nimonc	15407	57	FIAT IVECO		Pag
96182933	2301	48	267357	1194	52	8929590	15408	57	4741915	0280	60
96103129	2302	49	286292	1196	52	23501577	15408	57	4733348	0281	60
96103129	2302	49	286291	1197	52	23507504	5228	57	4673862	2448	60
96182806	2302	49	1259989	1198	52	23524521	5228	57	7301820	2705	60
96103130	2303	49	266305	1198	52	23529596	4037	57	4757358	2705	60
96182805	2303	49	266306	1199	52	DONG FENG		Pag	504069200	2705	60
1291178B00	2304	49	1254382	1199	52	0949A8	0859	57	4733349	2706	60
94580146	2304	49	394838	1840	53	0949A9	0889	57	4849522	3050	60
96352793	2305	49	394839	1841	53	3940735	5626	57	4673861	3051	60
1291578B00	2305	49	1362696	1179	53	3940734	5627	57	1901964	0269	60
96230591	2306	49	1654942	1179	53	EL DETALLE		Pag	4621511	0269	60
96230595	2307	49	1345509	1844	53	4153629	0177	57	60105343	0286	60
96335947	2308	49	1352127	1845	53	4153696	0178	57	1901963	0286	60
96335948	2309	49	1307654	1846	53	4267453	1526	57	4659379	0286	60
93333561	2310	49	1327029	1847	53	4226412	1527	57	1902205	0286	60
93333562	2311	49	1327029	1847	53	3802355	1968	57	4621484	0287	60
93399245	2321	49	1603846	1848	53	3802356	1969	57	4673608	0287	60
24578793	2322	49	1684773	1848	53	FIAT ALLIS		Pag	4658055	0287	60
93399246	2323	50	1684513	2290	53	60105343	0286	58	4658055	0287	60
24579671	2324	50	1678541	2291	53	4659379	0286	58	4658055	0287	60
96463002	2325	50	1912976	2292	53	1901963	0286	58	4824416	0288	61
96463003	2326	50	1741505	2293	53	1902205	0286	58	4803805	0288	61
641076	2660	50	1371131030	0718	54	1902205	0286	58	1904656	0288	61
641391	2661	50	1371531030	0719	54	4621484	0287	58	98435622	0288	61
1110531101	2772	50	1371531050	0719	54	4673608	0287	58	4784888	0288	61
1040531201	2772	50	1371131050	0724	54	4658055	0287	58	99432652	0288	61
1110501227	2773	50	1371531070	0725	54	4658055	0287	58	1908408	0288	61
96376881	15454	50	1404919	5626	54	4824416	0288	58	98435622	0288	61
96440081	15454	50	1404918	5627	54	99432652	0288	58	1904656	0288	61
96896007	15454	50	DAIHATSU		Pag	98435622	0288	58	99432718	0289	61
96896008	15455	50	1371125011	1779	54	4803805	0288	58	99432718	0289	61
96440079	15455	50	1371525011	1780	54	1904656	0288	58	99432717	0289	61
96376980	15455	50	1371197401	1810	54	4784888	0288	58	4806717	0289	61
DAEWOO-CHEVROLET DIESEL		Pag	1371123030	1810	54	1904655	0289	58	4784889	0289	61
FS054982	0816	50	1371597401	1811	54	4784889	0289	58	1908410	0289	61
50054982	0816	50	1371523030	1811	54	4789890	0289	58	4806718	0289	61
50060609	0821	50	1371140040	2253	54	4806717	0289	58	1904655	0289	61
						4806718	0289	58	1904666	0289	61

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4802204	0328	61	98407026	3051	64	5975341	0254	67	7631719	0254	71
4802204	0328	61	98474603	5622	64	7597080	0254	67	7597080	0254	71
1908409	2441	61	98478407	5622	64	7631719	0254	67	5975341	0254	71
1904654	2441	61	98474604	5623	64	4359309	0254	67	5953041	0254	71
4784890	2441	61	5801487019	2449	64	4300760	0255	67	4359309	0254	71
61316814	0296	61	500355776	5624	64	4319339	2710	67	4359309	0254	71
61320722	0296	61	504042366	5624	64	5973129	2710	67	4469661	0254	71
61370865	0296	61	5801551448	5624	64	7565813	2710	67	4415238	2715	71
61318428	0296	61	504042367	5625	64	4403047	2710	67	4415239	2716	71
61321255	0297	61	500355779	5625	64	4094941	0205	68	5957451	2716	71
61315973	0297	61	504314695	5625	64	4146638	0205	68	4426397	2717	71
4535358	0298	61	4895052	5626	65	4374855	0205	68	4394134	2718	71
4535359	0299	61	4895051	5627	65	5977214	0205	68	5975849	2718	71
4632840	0299	61	504069199	5628	65	4340268	0205	68	7547400	2719	71
4632840	0299	61	500362855	5628	65	4294099	0219	68	4440061	2719	71
4535359	0299	61	504378070	5628	65	4351243	0263	68	7031135	2719	71
4580688	0302	62	500362856	5629	65	4365783	0263	68	46406169	2719	71
98480846	0304	62	500355778	5634	65	4340118	0264	68	7712114	2910	71
4683025	0304	62	504080352	5635	65	4379986	0266	68	46413334	2911	71
4638615	0304	62	500355780	5635	65	82316779	0462	68	55192067	2912	72
99452179	0305	62	504293892	5635	65	82336458	0463	68	46413806	2912	72
2991999	0305	62	504072531	5640	65	82399550	0463	68	46462158	2912	72
4683026	0305	62	504238926	5640	65	4351237	0728	68	46517325	2912	72
4638617	0312	62	504081062	5641	65	4365782	0729	68	46761369	2912	72
4684088	0313	62	504238928	5641	65	4412816	2707	68	55183592	2912	72
4684089	0314	62	504184682	5641	65	4412822	2920	68	46413807	2913	72
7910028074	0611	62	FIAT AUTO		Pag	4340119	2920	68	46462159	2913	72
094927	0611	62	4058859	0204	65	4340119	2920	68	55196738	2913	72
7910029730	0618	62	4062108	0204	65	9153501780	0840	68	46461209	2913	72
094833	0618	62	4294098	0204	65	9605936180	0840	68	46761370	2913	72
094836	0635	62	4374855	0205	65	9153501980	0841	68	7766564	2914	72
094938	0659	62	5977214	0205	65	9614703280	0841	68	60674496	2915	72
4895187	1968	62	4340268	0205	65	9628943380	0854	68	7766565	2915	72
4895188	1969	62	4146638	0205	65	9629861180	0855	68	7735898	2916	72
4899632	4312	62	4094941	0205	65	9623950380	0875	69	60812982	2916	72
98444133	2444	63	4294099	0219	65	9636001780	0876	69	7735899	2917	72
98446334	2444	63	4132958	0210	66	55229667	1827	69	46417653	2917	72
99485232	2444	63	4064702	0211	66	55231995	1828	69	60812981	2917	72
99444132	5621	63	4121897	0212	66	71739277	2192	69	55194993	2926	72
4828299	5621	63	4121898	0213	66	71739320	2193	69	55194994	2927	72
504203471	2445	63	4265690	0214	66	55225886	2652	69	55198341	2934	72
5801493134	2445	63	5977614	0215	66	55225887	2653	69	55198342	2935	72
504042365	2450	63	4265692	0215	66	55557741	2660	69	71742050	2936	73
500354685	2450	63	46407749	0220	66	71744388	2661	69	71747245	2937	73
500354682	2450	63	4265695	0220	66	55185028	2662	69	FIAT AUTO DIESEL	Pag	
99456803	2450	63	46427459	0220	66	55206233	2663	69	4741915	0280	73
500354687	2451	63	5959564	0220	66	55239748	2663	69	4733348	0281	73
99457210	2451	63	7783841	0221	66	55185080	2663	69	9600781780	0844	73
504042363	2451	63	7736408	0221	66	7770334	2670	70	9604295780	0845	73
98429886	2666	63	5973130	0221	66	46436048	2670	70	9624774280	0856	73
1908394	2666	63	5959563	0221	66	5942727	2682	70	9624774580	0857	73
98412705	2667	63	4377979	0221	66	46406854	2682	70	4757358	2705	73
1908395	2667	63	4183555	0221	66	7666228	2682	70	7301820	2705	73
98468338	2668	63	4266321	0222	66	5942728	2683	70	4733349	2706	73
98418161	2669	63	5976236	0223	66	7666227	2683	70	9635317980	0881	73
5471746	2700	63	4400640	0223	66	46514754	2683	70	9635318480	0882	73
5478734	2700	63	4137337	0231	66	5942728	2683	70	9645024780	0898	73
5414239	2701	63	4137338	0232	66	46514754	2683	70	9640840080	0899	73
5457479	2701	63	4250799	0233	67	7666227	2683	70	9660035980	1271	74
4376861	2702	63	4147475	0234	67	7574739	2686	70	9660640080	1272	74
4376862	2703	63	4250800	0234	67	7722907	2686	70	60814605	1404	74
4673862	2448	64	4252787	0234	67	7598073	2687	70	46750859	1404	74
500327442	2646	64	4080364	0239	67	7574742	2687	70	55193126	1404	74
99432837	2671	64	4111154	0240	67	7650916	2687	70	46764378	1405	74
99432837	2671	64	4127674	0243	67	7611673	2687	70	55202630	1405	74
7302157	2692	64	4127675	0244	67	7565812	2696	70	60814604	1405	74
7303309	2692	64	4146641	0244	67	7574881	2697	70	46783962	1405	74
7301821	2692	64	4460697	0247	67		2698	70	55195535	1398	74
7301820	2705	64	5999660	0247	67		2699	70	46802049	1398	74
7301820	2705	64	4239917	0247	67	4376861	2702	70	55202557	1399	74
4757358	2705	64	4173746	0253	67	4376862	2703	70	55190248	2647	74
4837679	3050	64	4255694	0253	67	5976805	2704	70	55205125	2654	74
4849522	3050	64	4255779	0253	67	4376864	2704	70	55206431	2658	74
98497025	3050	64	5953041	0254	67	46470637	2707	71	46787902	2659	74
4837598	3050	64	4293992	0254	67	46470638	2920	71	55207955	2659	74
4673861	3051	64	4469661	0254	67	4293992	0254	71	55205183	2659	74

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55207955	2659	74	81SM6505BG	0362	78	1324131	1316	80	78EM6507AA	0616	83
55205183	2659	74	V86SF6505AA	0362	78	1124378	1316	80	78EM6505AA	0617	83
46527855	2672	74	89SM6505AG	0362	78	1584019	1316	80	83EM6507AA	0626	83
7798620	2672	74	6103818	0362	78	1324691	1317	80	93500418	0824	83
46527856	2673	74	1051773	0380	78	1324690	1318	80	83EM6507BB	0824	83
7783225	2673	74	1069529	0381	78	91XM6507AC	1324	80	93500889	0825	83
7783225	2673	74	1101934	0381	78	7076363	1324	80	83EM6505AB	0825	83
55190249	2677	74	6742922	0382	78	91XM6505AB	1325	80	715F6507AAD	1348	83
7553000	2678	75	1041830	0382	78	6576229	1325	80	715F6505AAC	1349	83
7553004	2679	75	1033898	0383	78	86TM6507FA	1326	81	1683701	0848	84
7597566	2690	75	1023591	1309	78	86TM6505AD	1327	81	9M5Q6507AA	0848	84
7597565	2691	75	97MM6507A2B	0384	78	88TM6507AA	1328	81	1231930	0880	84
7301821	2692	75	1051772	0384	78	88TM6505AA	1329	81	1231931	0879	84
7302157	2692	75	56GC6505A2A	0385	78	74TM6507AB	1331	81	1231930	0880	84
4757358	2705	75	1139387	0385	78	89BM6505CA	1331	81	1145933	0894	84
7301820	2705	75	1041838	0386	78	1038606	1331	81	1152191	0894	84
4368843	2711	75	928M6507F2A	0386	78	1653978	1331	81	1145932	0895	84
4368845	2712	75	1033899	0387	78	6165228	1332	81	1152190	0895	84
5996615	2712	75	6640543	1340	78	89BM6507BA	1332	81	1202362	0895	84
4424173	2713	75	6640544	1340	78	919M6507AA	1336	81	1229882	0898	84
4424173	2713	75	6640548	1340	78	919M6505AA	1337	81	1229883	0899	84
4424174	2714	75	928M6507D1A	1340	78	85HM6507FA	1338	81	1121333	1271	84
55195680	2924	75	6911483	1341	78	85HM6505AA	1339	81	1121331	1271	84
46518930	2924	75	1023593	1341	78	711M6507LA	1342	81	1217148	1271	84
55219793	2924	75	928M6505D2A	1341	78	801M6507CA	1342	81	1216915	1271	84
55208213	2925	75	6640542	1341	78	711M6505GA	1343	81	1738494	1271	84
46518931	2925	75	948M6505B2A	1341	78	791M6505JA	1343	81	BK2Q6507BB	1271	84
4826033	2692+0,6T	75	F8CZ6505AA	3501	78	791M6505GA	1343	81	XS7Q6507A2C	1271	84
55223835	2944	76	1053844	0390	79	70HM6507AE	1354	82	1121332	1272	84
55270167	2944	76	1124512	0391	79	70HM6505AF	1355	82	1134466	1272	84
55223836	2945	76	1053842	0391	79	78HM6505BA	1355	82	1214456	1272	84
55270169	2945	76	1066044	0391	79	70HM6507DD	1356	82	1706990	1272	84
FIAT INNOCENTI		Pag	771M6507DA	0398	79	78HM6505CA	1364	82	1096250	1275	85
4265695	0220	76	771M6507EA	0398	79	1755220	1856	82	1096248	1276	85
4265695	0220	76	771M6507GA	0398	79	1800892	1856	82	1449108	1283	85
4377979	0221	76	801M6507GA	0398	79	BM5G6507AE	1856	82	6M346507AA	1283	85
4266321	0222	76	801M6507JA	0398	79	1800711	1857	82	1449109	1284	85
4266321	0222	76	711M6505GA	1343	79	BM5G6505BA	1857	82	6M346505AA	1284	85
4239917	0247	76	711M6505MA	1343	79	1675266	2266	82	RF0112111	1710	85
5973128	0248	76	711M6505NA	1343	79	1682170	2267	82	RF0112121	1711	85
4315062	0248	76	791M6505GA	1343	79	5144989	2267	82	RF0112121	1711	85
4340118	0264	76	791M6505JA	1343	79	FORD EUROPA DIESEL		Pag	3595890	1714	85
7609772	0319	76	1320927	1262	79	84FM6507CB	0340	82	3595885	1715	85
5973129	2710	76	1122364	1262	79	84FM6507AB	0340	82	1669766	1948	85
4340119	2920	76	1S4G6507CA	1262	79	1631007	0340	82	1669772	1949	85
4412816	2707	76	1113189	1263	79	84FM6507AC	0340	82	0948E5	2258	85
4340119	2920	76	1S6C6505BA	1263	79	84FM6507BB	0340	82	1451597	2258	85
FIAT INNOCENTI DIESEL		Pag	1113189	1263	79	84FM6505AC	0341	82	1871590	2258	85
5990532	2694	77	1151997	1277	79	1631002	0341	82	0949E1	2259	85
5990532	2694	77	1320926	1277	79	6172851	0364	83	1427813	2259	85
7588577	2695+0,6T	77	7078139	1302	79	1113197	0364	83	6G9Q6505AA	2259	85
FORD EUROPA		Pag	88WM6507BA	1302	79	89FF6507FA	0364	83	1685847	2274	86
80BM6507AC	0342	77	95WM6507AA	1302	79	1012773	0364	83	AV6Q6507AA	2274	86
80BM6507BC	0342	77	95WM6505AA	1303	79	6781619	0364	83	1685845	2275	86
80BM6507AB	0342	77	88WM6505EA	1303	79	6781621	0364	83	AV6Q6505AA	2275	86
77BM6507AB	0342	77	88WM6505DA	1303	79	93FF6507AF	0364	83	46518930	2924	86
84BM6505GA	0343	77	7078136	1303	79	89FF6507FB	0364	83	46518931	2925	86
77BM6505AC	0343	77	XC1G6505AA	1303	79	1078433	0364	83	1079769	2970	86
77BM6507DB	0344	77	1124347	1303	79	89FF6507AA	0364	83	1049788	2971	86
80BM6507DC	0344	77	1012749	1306	80	93FF6507AA	0364	83	1100679	3110	86
78TM6507AA	0354	77	1012747	1307	80	6172854	0365	83	1100678	3111	86
78TM6507BA	0354	77	1101934	0381	80	6172845	0365	83	FORD FORDSON		Pag
78TM6507CA	0354	77	XS6G6505B2A	0381	80	6172848	0365	83	703F6507AAA	1358	86
78TM6505FA	1281	77	928M6507C2A	1308	80	93FF6505AA	0365	83	723F6507AAA	1358	86
78TM6505GA	1281	77	6742921	1308	80	89FF6505AA	0365	83	723F6507GAA	1358	86
78TM6505HA	1281	77	928M6507C1A	1308	80	89FF6505AA	0365	83	813F6507DAA	1358	86
77BM6505DB	1333	77	948M6505A2A	1309	80	89FF6505FA	0365	83	693F6507BAA	1358	86
77BM6505EB	1333	77	7314594	1309	80	1198044	1319	83	703F6505AAA	1359	86
81SM6507KF	0360	77	7314599	1309	80	1352129	1319	83	81596819	1359	86
89SM6507AA	0360	77	98MM6507C2B	1312	80	1078429	1319	83	723F6505GAA	1359	86
81SM6505AF	0361	77	1072048	1312	80	894F6507A1B	0368	83	693F6505AAB	1359	86
89SM6507AA	0360	78	1324132	1315	80	1050570	0368	83	2701E6505A	1359	86
6086114	0360	78	1213175	1315	80	6200033	0369	83	813F6505DAA	1359	86
81SM6507KF	0360	78	1124377	1315	80	894F6505A1B	0369	83	510E507B	1369	86
6172656	0360	78	1374186	1315	80	785F6507AAA	0400	83	81710772	0193	86
81SM6505AG	0362	78	1584022	1315	80	785F6505AAA	0401	83	EIADDN6507	0193	86

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723F6505ABA	0195	86	2401007015B6	4401	90	14721P2A000	5805	95	2221222004	3198	100
81854802	0195	86	2401007015B7	4401	90	14711RNA000	5808	95	HYUNDAI DIESEL		Pag
EIADDN6505C	0195	86	2401007015B9	4401	90	14711PCX000	5810	95	2221129000	0816	100
C5NE6507A	0198	87	GINAF		Pag	14721PCX000	5811	95	2221229000	0821	100
D3NN6507A	0198	87	1603846	1848	90	14721R40A00	5811	95	2221142850	1440	100
81823823	0198	87	1362696	1179	90	14711R40A00	5812	95	2221242850	1441	100
87800344	0198	87	1404919	5626	91	14711PT2000	5814	95	2221142520	1599	100
C5NE6505A	0199	87	1404918	5627	91	14721PT2000	5815	95	2221242520	1600	100
81843651	0199	87	1684513	2290	91	14711POA000	5818	95	OK55112111A	2474	100
D3NN6505A	0199	87	1678541	2291	91	14711PDAE00	5818	95	OK55112121A	2475	100
FORD NAVISTAR		Pag	GULERYUZ		Pag	14711POHA00	5818	95	2221142200	3204	100
F4TZ6507B	15238	87	4255254	1524	91	14721POHA00	5819	95	2221242200	3205	100
1823453C1	15238	87	4255255	1525	91	14721PDAE00	5819	95	222112F000	3192	100
F4TZ6505C	15239	87	51041010425	1630	91	14721POA000	5819	95	222122F001	3193	100
1823452C1	15239	87	51041010410	1631	91	14721P75000	5611	96	2221127001	3221	101
FORD TRUCK LINCOLN		Pag	51041010537	2345	91	14721P75A00	5611	96	2221127000	3221	101
XL3Z6507AA	1868	87	51041010538	2346	91	14711P13000	5820	96	2221227000	3222	101
XL3Z6505AA	1869	87	HILLMAN		Pag	14721P13000	5821	96	2221227001	3222	101
F5UZ6507A	5093	87	1218394	0422	91	14711PR3000	5822	96	222112A100	3223	101
F4TZ6505B	5094	87	1218383	0423	91	14721PR3000	5823	96	222122A100	3224	101
FORD U.S.A. BRASILE		Pag	1235104	0428	92	14711P75000	5824	96	222114A061	3225	101
E8BZ6507A	2500	87	1240265	0429	92	14711P75A00	5824	96	222124A061	3226	101
E8BZ6505A	2501	87	1235105	0429	92	14711PBV500	5826	96	2221142861	3229	101
035109611F	3007	87	25552400	3001	92	14721PR7A00	5827	96	2221242861	3230	101
035109611F	3007	87	25552500	3001	92	HONDA DIESEL		Pag	2221242220	3228	101
035109601C	3048	87	71262713	3001	92	14711P5TG01	0674	96	2221142220	3707	101
FORD U.S.A.		Pag	25552800	3002	92	14721P5TG01	0675	96	INTERNATIONAL HARVESTER		Pag
F87Z6507BA	1858	88	71250985	3002	92	14711PLZD00	2186	96	795730R1	0587	101
F87Z6505BA	1859	88	71261358	3002	92	14721PLZD00	2187	96	795729R1	0588	101
4438257	1859	88	HONDA		Pag	14721RBDE00	5586	97	3055055R2	1478	102
595093	1859	88	14711PH3000	5182	92	14711RBDE00	5618	97	3055055R1	1478	102
BR3Z6505A	4235	88	14721PH7000	5183	92	14711RLOG00	5850	97	3055056R1	1479	102
BR3Z6507A	4240	88	14711PH3000	5182	92	14721RLOG50	5851	97	3055056R2	1479	102
FR3Z6507A	4240	88	14711P73J01	5197	92	HONDA MOTORCYCLE		Pag		3353	102
FR3Z6505A	4241	88	14711P07000	5583	92	14711383000	5554	97		3357	102
AA5Z6507A	4242	88	14721P07000	5584	92	14721383000	5555	97	675046C4	5144	102
AA5Z6505A	4243	88	14721PH3000	5611	92	HOWO		Pag	675046C2	5144	102
BC3Z6507A	4244	88	14721PR3000	5823	92	61560050042	4402	97	676865C4	5145	102
CC3Z6505B	4245	88	14711RB0000	5587	93	61560050041	4403	97	676865C2	5145	102
G.M.C.		Pag	14721RB0000	5588	93	HYUNDAI		Pag	1818580C1	15402	102
1291160B20	1380	88	14711R60000	5589	93	MD000480	1422	97	1824838C1	15403	102
96060053	1380	88	14721P2A000	5590	93	MD000481	1423	97	1823875C2	15502	102
96060054	1381	88	14711PE0660	5604	93	MD016460	1428	97	1824840C1	15503	102
1291560B70	1381	88	14721PE0660	5605	93	2221121010	1428	97	1839968C1	15504	102
21007038	1393	88	14711PM3000	5606	93	MD016461	1429	97	1842145C2	15505	102
21007037	1394	88	14711P1KE01	5606	93	2221221004	1429	97	8C3Z6507A	15506	103
21000637	1394	88	14721PM3000	5607	93	2221221304	1429	97	8C3Z6505A	15507	103
21007154	1394	88	14721P1KE01	5607	93	2221133000	1442	98	ISUZU		Pag
21007039	1395	89	14711PG6000	5608	93	2221233000	1443	98	8941539690	1104	103
21007040	1396	89	14721PG6000	5609	93	2221102200	2514	98	8942512750	1104	103
12575793	2192	89	14711POBA00	5610	93	2221202200	2515	98	8944410740	1105	103
24454518	2193	89	14711PT3A00	5614	94	2221104000	3188	98	8971197510	1105	103
96057952	2542	89	14711PT3A00	5614	94	2221204000	3189	98	8942514400	1105	103
96067994	2543	89	14711P45601	5614	94	2221103000	3190	98	8942512760	1105	103
10198816	3700	89	14711PV1000	5614	94	2221103201	3190	98	8942171780	1116	103
10198817	3701	89	14721PT6A00	5615	94	2221203000	3191	98	8942171790	1117	103
2114084	3702	89	14721P45601	5615	94	2221203201	3191	98	641022	2170	103
10241743	3702	89	14721PT3A00	5615	94	2221102510	3200	98	641325	2171	103
2113234	3703	89	14721PV1000	5825	94	2221102500	3200	98	8942519770	2619	103
12550909	3703	89	14711PY3000	5616	94	2221202500	3201	98	8942519780	2627	103
14033927	3704	89	14711P5A000	5616	94	2221126600	3209	98	8970274992	3902	103
10149663	3705	89	14721P5A000	5617	94	2221226000	3210	98	8970141741	3903	103
12601762	3706	90	14721PY3000	5617	94	2221123600	3211	99	8970338642	3904	104
12568411	3708	90	14711PWA000	5800	94	2221223600	3212	99	8970338641	3904	104
12577696	3708	90	14721PWA000	5801	94	2221123100	3213	99	8972195092	3905	104
12568412	3709	90	14711P8EA00	5802	94	2221223100	3214	99	8971891140	3905	104
12577697	3709	90	14721P8EA00	5803	94	222112B000	3215	99	ISUZU DIESEL		Pag
12617533	3710	90	14711P08000	5804	94	222122B000	3216	99	8943268430	2172	104
12590771	3710	90	14711P2A000	5804	94	2221123000	3217	99	8941100173	2173	104
12582719	3711	90	14711P1JE00	5804	94	2221223000	3218	99	8941150592	2173	104
12612427	3711	90	14721P08000	5805	94	2221137201	3219	99	9125518020	2582	104
12601763	4008	90	14721P1JE00	5805	94	2221237200	3220	99	5125520260	2583	104
GAZ		Pag	14721P2A000	5805	94	222112G000	3986	99	8971371540	2588	104
2401007014B7	4400	90	14711PNA000	5806	95	2221225002	3987	99	8971371551	2589	104
2401007014B4	4400	90	14721PNA000	5807	95	2221122003	5520	100	8943958822	3906	104
2401007014B9	4400	90	14721PRB000	5807	95	2221222011	5521	100	8972098763	3907	104

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8980169730	3908	104	R83071	5045	109	4153696	0178	112	OK2NC12111	2516	116
8973096751	3908	104	R89227	5046	109	3357290	1500	112	OK2NC12121	2517	116
8980169741	3909	104	R79630	5069	109	3357291	1501	112	2221135520	2518	116
8973096771	3909	104	R79629	5069	109	2133730	1506	112	2221235500	2519	116
641049	2621	105	R79628	5069	109	2934523	1507	112	OB6S712111	2526	117
8971319610	2621	105	R79623	5069	109	3371746	1507	112	OK93812121	2527	117
641360	2622	105	R79625	5070	109	4170898	1508	112	2221104000	3188	117
8971319620	2622	105	R79626	5070	109	4272209	1508	112	2221204000	3189	117
8970155462	2623	105	R79627	5070	109	4170899	1509	112	2221103000	3190	117
8970155471	2624	105	R79624	5070	109	4153455	5221	112	2221103201	3190	117
9944649210	3910	105	R45004	5071	109	4159138	1520	113	2221203000	3191	117
8944649212	3910	105	R45005	5071	109	4159136	1520	113	2221203201	3191	117
8971317290	5100	105	R45003	5071	109	4159137	1521	113	OBP1B12111	3194	117
8944332450	5101	105	R43883	5071	109	4159140	1522	113	MBP0512121A	3195	117
8982773830	5101	105	R43787	5075	109	4204014	1524	113	2221126600	3209	117
89704386H	5101	105	R43788	5075	109	4255254	1524	113	2221226000	3210	117
8970438612	5101	105	R43789	5075	109	4283380	1524	113	2221123600	3211	117
JAGUAR	Pag		R43679	5075	109	4204015	1525	113	2221223600	3212	117
AJ810945	9544	105	R43914	5072	110	4255255	1525	113	222112B000	3215	118
NCA2532AA	9545	105	R50358	5073	110	4283381	1525	113	222112B400	3215	118
EAC1547	9547	105	R55055	5073	110	04226413	1526	113	222122B000	3216	118
EAC1548	9548	105	R55057	5073	110	4267453	1526	113	2221137201	3219	118
XR822776	9549	106	R55059	5073	110	4225353	1526	113	2221237200	3220	118
AJ810106	9550	106	R55056	5074	110	4226562	1526	113	2221125000	3986	118
JAGUAR DIESEL	Pag		R55058	5074	110	04226412	1527	113	2221125002	3986	118
0948E5	2258	106	R50357	5074	110	4228353	2642	113	222112G000	3986	118
0949E1	2259	106	R55060	5074	110	4159139	5219	113	2221225000	3987	118
JEEP	Pag		R43789	5075	110	4231804	5219	113	2221225002	3987	118
53021550AA	4212	106	R43679	5075	110	4234951	2630	113	KIA DIESEL	Pag	
53021551AB	4213	106	R43787	5075	110	4234952	2630	113	2221142520	1599	118
53021551AA	4213	106	R43788	5075	110	4231479	2630	113	2221242520	1600	118
0948F2	4224	106	R75690	5077	110	4159136	2630	113	RF01121111	1710	118
0949E7	4225	106	R63982	5078	110	4159136	2630	113	RF0112121B	1711	118
33003515R	4250	106	R44174	7011	110	4159137	2631	113	OK55112111A	2474	118
33003860R	4251	106	R98062	7012	110	4231804	2631	113	OK55112121A	2475	118
7701462232	0630	107	R97490	7012	110	4131597	2632	114	222114A000	2478	119
7701461339	0631	107	R97492	7014	110	4131598	2633	114	222124A000	2479	119
05073735AA	2792	107	R90692	7014	110	4124018	2634	114	2221141001	2482	119
05073737AA	2793	107	R84618	7015	111	4124019	2635	114	2221245000	2483	119
53020747AB	4252	107	R93308	7015	111	4254934	2636	114	2221245001	2483	119
53020748	4253	107	R93312	7015	111	4254284	2636	114	OK05412111	2490	119
53010512AA	4256	107	R84619	7016	111	4254935	2637	114	OK05412121	2491	119
53010513AA	4257	107	R93313	7016	111	4254285	2637	114	OK65D12111	2492	119
JEEP DIESEL	Pag		R93311	7016	111	4285985	2638	114	OK65B12121	2493	119
05073738AA	2793	107	R26124	7017	111	4285986	2639	114	222112F000	3192	119
68001582AA	3120	107	R26123	7018	111	4284042	2640	114	222122F201	3193	119
68001583AA	3121	107	K.H.D.	Pag		4284043	2641	114	2221127001	3221	119
05066770AA	4216	107	3369307	0173	111	04903005	5226	114	2221127000	3221	119
05066769AA	4217	107	3369308	0174	111	04903006	5227	114	2221227000	3222	119
05175396AA	4218	108	3358980	0175	111	KIA	Pag		2221227001	3222	119
05175397AA	4219	108	3358982	0175	111	2221133000	1442	115	222112A100	3223	120
68027469AA	4220	108	3358984	0176	111	2221233000	1443	115	222122A100	3224	120
68027470AA	4221	108	3358981	0176	111	222113E000	2469	115	222114A061	3225	120
JENBACHER	Pag		4153631	0177	111	222123E000	2470	115	222124A061	3226	120
375631	5900	108	4153773	0177	111	222113C100	2471	115	KOMATSU	Pag	
375630	5901	108	4150036	0177	111	222113C800	2471	115	6610414110	1964	120
334781	5904	108	2137457	0177	111	222113C810	2471	115	6610414210	1964	120
334782	5905	108	4153629	0177	111	222123C100	2472	115	6240414110	5032	120
414487	5902	108	2137301	0177	111	222123C800	2472	115	4089089	5032	120
369443	5903	108	4153697	0178	111	K95412111	2494	115	4007179	5032	120
JHON DEERE	Pag		2137300	0178	111	K01312121	2495	115	6240414210	5033	120
R518806	3300	108	2232717	0178	111	MB30112111	2500	115	6221414110	5034	120
R524875	3301	108	2237221	0178	111	K15112121	2501	115	6221414211	5035	120
R520223	3304	108	3371776	0178	111	K15012121	2501	115	6162434110	5036	120
R520224	3305	108	4153696	0178	111	OK30E12111	2502	115	6162434111	5036	120
R122035	3306	109	4153696	0178	111	OK30E12121	2503	115	6162434110	5037	120
R516892	3306	109	3361636	1494	112	K93012111	2504	116	6164414211	5037	120
R122035	3306	109	3361616	1495	112	K93012121	2505	116	6164414211	5037	120
R516892	3306	109	4208095	1498	112	OK30C12111	2506	116	6736414110	5038	121
R502454	3308	109	4255216	1498	112	OK30C12121	2507	116	6736414210	5039	121
R502455	3309	109	4208096	1499	112	OK24712111	2508	116	6215414110	5040	121
R90602	3310	109	4255217	1499	112	OK24712121	2509	116	6215414212	5041	121
R90601	3311	109	4153773	0177	112	OK9BV12111	2510	116	50213800	5042	121
R89224	5045	109	4153629	0177	112	OK56612121	2511	116	6127414113	5042	121
R89222	5045	109	2137457	0177	112	2221102200	2514	116	50213900	5043	121
R89223	5045	109	2137301	0177	112	2221202200	2515	116	6127414214	5043	121

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6136424110	5452	121	4469661	0254	125	4340119	2920	128	LGH101360	2195	132
6136424210	5453	121	4359309	0254	125	4412822	2920	128	4646005	5840	132
6207414110	5454	121	4293992	0254	125	5985066	2920	128	LR002447	5840	132
502222985	5454	121	4403047	2710	125	7633752	2920	128	4646004	5841	132
6209414210	5455	121	5973129	2710	125	7766564	2914	128	LGH000030	6008	133
6209414210	5455	121	7565813	2710	125	7766565	2915	128	LGH000040	6009	133
6204414210	5455	121	5973128	0248	125	60674496	2915	128	LAND ROVER DIESEL	Pag	
502222984	5455	121	4315062	0248	125	9630441380	2946	130	STC2156	0098	133
52409645	5455	121	4293992	0254	125	9640181380	2947	130	STC2149	0099	133
6136414110	5456	121	4359309	0254	125	LANCIA DIESEL	Pag		ERR1157	0670	133
6136414211	5457	121	5975341	0254	125	7766564	2914	129	ERR1156	0671	133
6209414110	5460	121	7597080	0254	125	7735898	2916	129	LGH101450	0677	133
58234197	5460	121	4300760	0255	125	46417653	2917	129	LGH101450	0677	133
1G89613110	5310	122	7609772	0319	125	7735899	2917	129	ERR6611	0678	133
1G89613120	5311	122	7617500	0320	125	46403681	2921	129	ERR6612	0679	133
502222606	5458	122	82316779	0462	125	46471639	2922	129	0948E5	2258	133
6150414111	5458	122	82399550	0463	125	55194993	2926	129	0949E1	2259	133
6150414210	5459	122	82336458	0463	125	55194994	2927	129	1311281	2270	134
502222607	5459	122	7910245390	0635	126	55194219	2928	129	1316137	2271	134
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15261-13110	15050	122	60810666	1400	126	9624774580	0857	130	51041010546	1799	134
15261-13210	15051	122	60663241	1400	126	9627184380	0879	130	20833932	5226	134
671304C2	15256	122	55186770	1400	126	9634437580	0880	130	20980413	5227	134
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15393-13110	15259	123	60810667	1401	126	9635318480	0882	130	1371131100	5494	134
15393-13120	15260	123	05184127AC	2644	126	60814605	1404	130	1371531120	5495	134
14601-13110	15261	123	05184128AE	2645	126	46750859	1404	130	1371150060	5496	135
14601-13120	15262	123	55225886	2652	127	55193126	1404	130	1371550060	5497	135
1C01013113	15273	123	55225887	2653	127	46783962	1405	130	1371170060	5498	135
1C01013122	15274	123	55185028	2662	127	60814604	1405	130	1371570080	5499	135
1G67313110	15275	123	55185080	2663	127	55195535	1398	131	1371120020	5522	135
1G67313120	15276	123	55206233	2663	127	46802049	1398	131	1371520020	5523	135
LADA ZIGULI	Pag		55239748	2663	127	55202557	1399	131	1371146022	5524	135
21011007010	0258	123	46436048	2670	127	55190248	2647	131	1371146021	5524	135
4183269	0258	123	7770334	2670	127	55205125	2654	131	1371546020	5525	135
21011007012	0259	123	5942727	2682	127	55206431	2658	131	137110T010	5532	135
4183270	0259	123	7666228	2682	127	46787902	2659	131	137150T010	5533	135
642758	2148	123	46514754	2683	127	55207955	2659	131	LEXUS DIESEL	Pag	
642858	2149	123	7666227	2683	127	55205183	2659	131	137110R010	5492	135
21081007010	2815	124	7666227	2683	127	46787902	2659	131	137150R010	5493	135
210811007010	2816	124	5942728	2683	127	55207955	2659	131	LISTER	Pag	
21081007012	2817	124	7574739	2686	127	55190249	2677	131	20180250	1512	135
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094894	0816	124	7650916	2687	127	7783225	2673	131	LGH101190	0861	136
094947	0821	124	7611673	2687	127	7301821	2692	131	LGH10064	2194	136
LANCIA	Pag		4293992	0254	128	7302157	2692	131	LGH10065	2195	136
4259853	0220	124	4359309	0254	128	7547158	2694	131	1371137020	5532	136
4265695	0220	124	4469661	0254	128	5990532	2694	131	1371537030	5533	136
5959564	0220	124	5953041	0254	128	5990533	2695	131	M.A.N.	Pag	
4274135	0221	124	5975341	0254	128	4757358	2705	131	51041010509	1608	136
4377979	0221	124	7597080	0254	128	7301820	2705	131	51041010501	1609	136
5959563	0221	124	7631719	0254	128	4826033	2692+0,6T	131	51041010314	1614	136
5963326	0221	124	4412816	2707	128	7588577	2695+0,6T	131	51041010286	1616	136
5973130	0221	124	5997328	2707	128	46518930	2924	132	51041010399	1616	136
5999660	0247	124	7633751	2707	128	55219793	2924	132	51041010375	1625	136
4239917	0247	124	46406169	2719	128	46518931	2925	132	51041010478	1625	136
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4315062	0248	124	7547400	2719	128	46518930	2944	132	51041010367	1626	136
5973128	0248	124	7712114	2910	128	46518931	2945	132	51041010447	1626	136
96700315	0248	124	46413334	2911	128	55208213	2945	132	51041010447	1626	137
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4255694	0253	125	46517325	2912	128	K68027470AA	4221	132	51041010334	1628	137
4255779	0253	125	46761369	2912	128	LAND ROVER	Pag		51041010422	1630	137
7597080	0254	125	46761370	2913	128	LGH10029	0860	132	51041010425	1630	137
7631719	0254	125	46462159	2913	128	LGH10028	0861	132	51041010410	1631	137
5975341	0254	125	46461209	2913	128	LGH10064	2194	132	51041010411	1631	137
5953041	0254	125	4340119	2920	128	LGH10065	2195	132	51041010410	1631	137

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51041010411	1631	137	733819M1	0587	141	ZL0212111	3492	145	1160500126	2728	150
51041010417	1632	137	733818M1	0588	141	ZL0212121	3493	145	1160500226	2728	150
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51041010547	1635	137	2401007014B7	4400	141	KF0112121	3495	146	1110530401	2732	150
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51041010538	2346	138	C20112121	1314	142	ZY0112111A	3506	146	1020530901	2737	151
M.G.		Pag	LF0112111	1315	142	ZY0112121	3507	146	1020531801	2737	151
LGH10029	0860	138	LF0112121	1316	142	ZY0112121A	3507	146	1020500027	2738	151
LGH101190	0861	138	LF0212121	1316	142	ZY0112121B	3507	146	1020500327	2738	151
LGH10064	2194	138	1324691	1317	142	L3K912111	3510	147	1020500027	2738	151
LGH20065	2194	138	L80112111	1317	142	L3K912121C	3511	147	1020500327	2738	151
LGH101360	2195	138	1211483	1317	142	1E0512111	3514	147	1020500326	2739	151
M.G. DIESEL		Pag	1324690	1318	142	1E0512121	3515	147	1020531701	2739	151
LGH100990	0674	138	L80112121C	1318	142	Z50112111C	3516	147	1020530801	2739	151
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620704603014	5199	139	F80412121	1669	143	B3C712111A	3526	148	1030531301	2745	152
622804603014	5200	139	F80112121A	1669	143	B3C712121A	3527	148	1030500527	2746	152
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12275153	5322	140	055212121A	1677	144	Y40112111	0894	148	1020500827	2759	152
12275154	5323	140	063612111	1678	144	Y40112121	0895	148	1020501127	2759	152
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623404600064	5325	140	052712121	1680	144	Y60112121	0899	148	1170500126	2760	152
623404600054	5326	140	F20212111	1690	144	WE0112111	1283	148	1040530801	2764	152
MACK		Pag	F20112111	1690	144	6M346507AA	1283	148	1040531001	2764	152
690GC2187B	0790	140	F20112121	1691	144	1449108	1283	148	1040501427	2765	152
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688GC2352A	0791	140	F20112121A	1691	144	6M346505AA	1284	148	1190530501	2766	152
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688GC337A	0793	140	B54112121	1697	144	MERCEDES BENZ		Pag	1190530801	2768	152
690GC2210	0794	140	BP4W12111	1698	144	RF0112111	1710	149	1190531801	2768	152
688GC2378	0795	140	BP0512111	1698	144	RF0112121B	1711	149	1190501027	2775	152
690GC2200	0796	140	BP0612111	1698	144	RF2A12111	1712	149	1190500927	2775	152
688GC2373	0797	140	BP4W12121	1699	144	RF2A12121	1713	149	1110530201	2770	153
690GC342	1151	140	BP0512121A	1699	144	RF5C12121	1713	149	1110530101	2770	153
688GC344	1152	140	FS0112111B	2510	144	WL0112111	1714	149	1110500527	2771	153
690GC425A	1153	140	FS0112111C	2510	144	WL5112111	1714	149	1110531101	2772	153
688GC416	1154	140	FS0112121B	2511	144	WL5112121A	1715	149	1110532101	2772	153
MARBUS		Pag	FS0112121A	2511	144	WL0112121	1715	149	1110501427	2773	153
51041010537	2345	141	B65712111	2526	145	RF5C12111	1716	149	1110501227	2773	153
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MASSEY FERGUSON		Pag	B69512121B	2527	145	R2AA12121	3531	149	1040501727	2763	153
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826245M1	0186	141	B66012121	2527	145	SH0112121A	3535	149	1040531401	2772	153
MASSEY FERGUSON DIESEL		Pag	PE0112111	3480	145	SH0112121D	3535	149	1190531201	2774	153
731151M1	0580	141	PE0112121	3481	145	1100500726	2723	150	1190500927	2775	153
732811M1	0580	141	BP0112111	3487	145	1100500027	2725	150	1190501027	2775	153
731152M1	0581	141	BP0112121	3488	145	1160500226	2728	150	1660530101	2782	154
737640M1	0581	141	JE0112111	3489	145	1160500126	2728	150	1660500327	2783	154
0910060	0585	141	B36612111	3490	145	1160500226	2728	150	1130530001	2784	154
734106M1	0586	141	B36612121	3491	145	1160500126	2728	150	1130500127	2785	154

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1660500427	2787	154	Q0004569V003	2797	158	0949F7	2273	162	MN163286	6132	166
1660530201	2786	154	6510530101	2798	158	11347791054	3415	163	MITSUBISHI DIESEL		Pag
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1130530501	2788	154	6260500500	2362	158	11347812618	9400	163	7701466717	0651	167
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1600530101	3250	155	5175397AA	4219	159	MD000481	1423	163	MW30620685	0726	167
1600500027	3251	155	MERCEDES INDUSTRIAL		Pag	MD016460	1428	163	MW30620686	0727	167
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2780500126	3286	156	4420500526	2750	160	MD4667810	3555	164	MD173602	6133	169
2760500027	3287	156	4420500427	2751	160	MD4557972	3555	164	MD180356	6134	169
MERCEDES BENZ DIESEL	Pag		4420500227	2751	160	MD348769	3556	164	MTZ	Pag	
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6060530705	2047	157	5410530101	3280	161	1010A243	4224	165	1320200QAG	0807	169
6060530701	2048	157	4570500327	3281	161	MN183950	4225	165	1320100QAE	1006	170
6060530305	2049	157	4710500426	3282	161	1011A178	4225	165	1320200QAE	1007	170
6060501527	2053	157	4710500527	3283	161	MD342090	5211	165	13201N8501	1206	170
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6010530201	2747	157	4730500126	3726	161	MD149314	5214	165	1320222F00	1210	170
6010531701	2747	157	4730500127	3727	161	MD128434	5215	165	1320278501	1207	170
6010531201	2747	157	MERCEDES MODULATING VALVE		Pag	MD128435	5216	165	13202N0401	1207	170
6010502327	2748	157	4420160191	8001	161	MD339752	5217	165	13202S0500	1207	170
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6010502127	2748	157	5410160791	8003	161	MD075925	6118	166	13202N6800	1207	170
6010501927	2748	157	9060160791	8004	162	MD075927	6119	166	13202N0401	1207	170
6010501227	2748	157	MINI		Pag	MD088811	6120	166	1320169A00	1211	170
6010500527	2748	157	11347587470	2250	162	2221135004	6120	166	1320131M00	1211	170
6680530101	2790	157	11347534508	2250	162	MD088812	6121	166	1320231M00	1212	170
6680530301	2790	157	11347547187	2251	162	MD096219	6121	166	1320269A00	1212	170
6680500127	2791	157	11347585901	2255	162	MD085253	6123	166	1320178500	1213	170
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6110530401	2792	158	11347533885	3405	162	MD083849	6125	166	132029F610	1221	170
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6280530005	2795	158	MINI DIESEL		Pag	MD162799	6129	166	132012F000	1224	170
6600530101	2796	158	11347805968	0898	162	MD162422	6129	166	1320153Y00	1224	171
Q0004570V003	2796	158	11347805969	0899	162	MD162423	6130	166	132014M500	1224	171

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132014M700	1224	171	13201VJ260	3604	173	132027F400	2891	177	642829	2165	181
1320171J00	1224	171	132029E000	3605	173	1320160J04	2892	177	641306	2165	181
1320157Y00	1224	171	13202VJ26A	3605	173	1320160J03	2892	177	55557781	2168	181
132012F000	1224	171	13201BM505	3606	174	132026FJ02	2893	177	641080	2168	181
132022F000	1225	171	13202BM500	3607	174	132019C600	2894	177	24463777	2168	181
1320271J00	1225	171	13201AU300	3608	174	132029C601	2895	177	641034	2168	181
1320253Y00	1225	171	13202AU300	3609	174	13201BN300	2896	178	641061	2168	181
1320253V60	1225	171	13201VC200	3610	174	13201AD210	2896	178	641375	2169	181
1320257Y00	1225	171	13202VC200	3611	174	13201EB300	2896	178	55354874	2169	181
132011E710	1226	171	13201ED000	3616	174	13201AD21A	2896	178	24463778	2169	181
132011E700	1226	171	13201ED00A	3616	174	13201EB70A	2896	178	641394	2169	181
1320153J00	1226	171	13201ED00C	3616	174	13202BN300	2897	178	641340	2169	181
132011E700	1226	171	13202ED000	3617	174	13202AD200	2897	178	641022	2170	181
1320153J00	1226	171	13202ED00A	3617	174	13202EB300	2897	178	641325	2171	181
1320170J00	1226	171	13202ED00C	3617	174	13202AD20A	2897	178	641331	2171	181
1320170J00	1226	171	13201EN20A	3618	174	13202EB70B	2897	178	641331	2171	181
1320189J00	1226	171	13202EN200	3619	174	1320100QJ	2362	178	641321	2171	181
132011E710	1226	171	1320153F02	3620	174	132010370R	2362	178	641048	2184	181
1320189J00	1226	171	1320253F00	3621	174	1320200QQL	2363	178	641357	2185	181
132011E700	1226	171	1320131V60	3622	175	1320200QQP	2363	178	641063	2192	181
132011E710	1226	171	1320231V60	3623	175	132024894R	2363	178	641066	2192	181
132011E710	1226	171	1320138V60	3624	175	132016F900	3644	178	641380	2193	181
1320189J00	1226	171	1320238V60	3625	175	132026F900	3645	178	641376	2193	181
1320170J00	1226	171	13201F6511	3626	175	1320167U00	3648	178	55557862	2350	182
1320153J00	1226	171	1320240P00	3627	175	1320267U00	3649	178	642078	2350	182
132011E700	1226	171	13202F6511	3627	175	1320100QQA	3652	178	642029	2350	182
1320264Y00	1227	171	132014A00A	3628	175	132012274R	3652	178	55572518	2350	182
1320264Y02	1227	171	132024A00D	3629	175	1320200QOA	3653	178	55558728	2351	182
1320289J00	1227	171	1320184A00	3634	175	132019X700	3660	178	641401	2351	182
1320270J10	1227	171	1320284A00	3635	175	132029X700	3661	178	641379	2351	182
1320270J00	1229	171	1320140F00	3636	175	13201FY500	3662	179	641100	2351	182
1320253J02	1229	171	1320240F01	3637	175	13202FU400	3663	179	55572519	2351	182
1320197E00	1230	171	132010Z800	3640	176	132011AT0A	3664	179	641049	2621	182
1320297E00	1231	171	132020Z800	3641	176	132021AT0A	3665	179	641360	2622	182
1320100QAJ	1704	171	NISSAN DIESEL		Pag	3800340	15415	179	641076	2660	182
1320200QAK	1705	171	13201AW300	0726	176	3800341	15416	179	641391	2661	182
13201R2001	2823	172	1320100QAC	0726	176	OPEL		Pag	641392	2661	182
13202R2000	2824	172	1320100QAM	0726	176	641015	0556	179	55567302	3077	182
13202D1200	2828	172	1320200QAN	0727	176	641317	0557	179	641460	3077	182
13202D0100	2828	172	13202AW300	0727	176	90409996	0557	179	55567301	3078	182
13202D0100	2828	172	13201BN700	1702	176	642763	0572	179	641459	3078	182
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13201Y8780	2841	172	1320100QAK	1702	176	90323519	0572	179	93193762	3629	182
13202W0401	2843	172	132011980R	1702	176	642890	0573	179	4708933	3629	182
13202W8780	2843	172	13202BN700	1703	176	641302	0573	179	1291169L00	3852	182
13201H9500	2844	172	1320200QAP	1703	176	4411048	1006	179	1291569L00	3853	182
13202H9500	2845	172	1320100QAD	1708	176	93160645	1006	179	1291569LGO	3853	182
1320150K00	2864	172	1320200QAD	1709	176	4411049	1007	179	OPEL DIESEL		Pag
1320101B00	2864	172	132012W200	1718	176	93160646	1007	179	641058	0098	183
1320110B00	2864	172	1320100QAL	1718	176	1100500726	2723	180	641041	0098	183
1320201B00	2865	172	132012W20A	1718	176	1100500027	2725	180	641346	0099	183
1320210B00	2865	172	1320200QAM	1719	176	641008	2060	180	641374	0099	183
132012J201	2866	172	132022W200	1719	176	641310	2061	180	4402633	0726	183
132012J202	2866	172	132022W20A	1719	176	641045	2068	180	4415921	0726	183
132012F200	2866	172	1320200QAH	1719	176	641051	2068	180	4402634	0727	183
132022J201	2867	172	13201L2000	2874	176	641094	2068	180	4415922	0727	183
132022F210	2867	172	13202L2000	2875	176	9158477	2068	180	641075	1398	183
1320253Y60	1225	173	1320122J01	2882	177	641354	2069	180	641073	1398	183
1320199B10	2868	173	1320122J00	2882	177	641364	2069	180	641074	1398	183
1320199B00	2868	173	1320122301	2882	177	641090	2069	180	641074	1398	183
1320299B10	2869	173	13202V7203	2883	177	641095	2069	180	641403	1399	183
1320299B00	2869	173	13202V7202	2883	177	641096	2069	180	641386	1399	183
13201V5202	2870	173	132010Y000	2884	177	642679	2146	180	641386	1399	183
132010B000	2870	173	1320122J11	2884	177	90295011	2146	180	641385	1399	183
132020B000	2871	173	1320122J10	2884	177	642911	2147	180	4506083	1708	183
13202V6510	2871	173	1320240L01	2885	177	642911	2147	180	4506084	1709	183
1320207P00	2871	173	132024P400	2885	177	90295015	2147	180	4415247	1718	183
13201BM500	2898	173	132024P400	2885	177	642854	2147	180	4415246	1719	183
132018H300	3600	173	1320240L00	2885	177	642758	2148	180	642651	2154	184
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132011F700	3602	173	1320143G01	2890	177	90281715	2149	180	641345	2155	184
13201BC000	3602	173	1320251N00	2891	177	642858	2149	180	642818	2155	184
132021F700	3603	173	13202G2403	2891	177	642635	2156	180	641007	2172	184
13202BC000	3603	173	1320231N01	2891	177	642789	2157	180	641044	2172	184
132019E000	3604	173	1320231N01	2891	177	642667	2164	181	641000	2172	184

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641300	2173	184	31431941	0590	187	7910025377	0624	190	0948C8	0896	195
641322	2173	184	31431271	0590	187	094838	0624	190	0949C4	0897	195
641025	2186	184	31431591	0590	187	094942	0625	190	094885	1706	195
641369	2187	184	31431591	0590	187	7910006855	0625	190	094991	1707	195
642168	2188	184	BDU1399	0591	187	094933	0625	190	094871	2010	195
641068	2188	184	LGH10036	0591	187	094832	0629	190	094862	2010	195
55353375	2188	184	BDU1400	0592	187	094836	0635	191	094963	2011	195
642165	2188	184	LGH10037	0592	187	094836	0635	191	094978	2011	195
642208	2189	184	1457503	2906	187	094930	0637	191	094861	2012	195
642211	2189	184	4803849	2907	187	094932	0637	191	094977	2013	195
641381	2189	184	1457499	2907	187	094938	0659	191	094962	2013	195
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641085	2314	184	3142H091	4032	187	094851	0696	191	094957	2015	196
642027	2314	184	3142A181	4033	187	3780600	0696	191	094957	2015	196
641400	2315	184	3142H101	4034	187	131336	0696	191	0948E8	2250	196
641086	2315	184	3142A171	4035	187	553421	0696	191	0949E2	2251	196
96440147	2316	185	31431731	5443	187	3781100	0697	191	0948A6	2252	196
4805321	2316	185	3142A051	0577	188	131337	0697	191	0948E2	2253	196
96951454	2316	185	3142A051	0577	188	554682	0697	191	0949C8	2254	196
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96440148	2317	185	31431103	0587	188	094958	0819	191	0948G4	2255	196
4805322	2317	185	31431641	0587	188	094961	1273	191	9676359080	2268	197
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96951455	2317	185	31431351	0587	188	094847	0828	192	0948A5	2946	197
4802219	2327	185	31431871	0587	188	094952	0829	192	0949A5	2947	197
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641067	2352	185	31431931	0588	188	094953	0833	192	0949F6	3405	197
641384	2353	185	31431851	0588	188	094854	0830	192	0948F2	4224	197
641084	2360	185	31431891	0588	188	094954	0831	192	0949E7	4225	197
641397	2361	185	31431791	0588	188	138851	0833	192	PEUGEOT DIESEL		Pag
4423068	2362	185	31431109	0588	188	094953	0833	192	094827	0616	197
95517881	2362	185	31431104	0588	188	9751668880	0833	192	094841	0616	197
4423303	2363	185	31431701	2905	188	094852	0834	192	094925	0617	197
95518256	2363	185	3142L051	5080	188	9751651580	0834	192	094939	0617	197
4423067	2363	185	3142L071	5080	188	094848	0836	192	094925	0617	197
95517880	2363	185	3142L072	5082	188	094949	0837	192	094837	0626	197
641464	2658	185	3142H002	5438	188	094866	0840	192	9603345480	0814	198
55565261	2658	185	1888640	5441	188	094976	0841	192	094874	0814	198
641465	2659	185	1529857	5442	188	094966	0841	192	094980	0815	198
641106	2659	185	3142L081	6502	188	094972	0841	192	094859	0816	198
55565262	2659	185	3142L088	6502	188	094867	0842	193	094863	0816	198
99432873	2671	186	3142D051	6503	188	094967	0843	193	094894	0816	198
7301820	2705	186	3142D041	6506	188	094858	0838	193	094973	0821	198
7301820	2705	186	3142D031	6507	188	094959	0839	193	094974	0821	198
641072	2924	186	3142H041	6513	189	094959	0839	193	094960	0821	198
641077	2924	186	3142D061	6514	189	094959	0839	193	094947	0821	198
4708612	2924	186	3142H071	6515	189	094959	0839	193	094964	0821	198
93193443	2924	186	3142A151	6516	189	094891	0849	193	094846	0820	198
642028	2924	186	PEUGEOT		Pag	094865	0850	193	9751668980	0820	198
641071	2925	186	094864	0102	189	094873	0850	193	094947	0821	198
641402	2925	186	094965	0103	189	094970	0851	193	094960	0821	198
4708613	2925	186	094839	0600	189	094886 (to 7664)	0854	193	094964	0821	198
93193444	2925	186	094934	0601	189	094892 (from 7665)	0854	193	094973	0821	198
641475	2944	186	094936	0601	189	094992	0855	193	9751669380	0821	198
642052	2944	186	094944	0601	189	0949A6	0855	193	094840	0822	198
641101	2945	186	094834	0610	189	094893	0872	193	094937	0823	198
4431242	3652	186	094921	0611	189	0948A4	0873	193	094868	0844	199
4420439	3652	186	094921	0611	189	0949A4	0874	193	094968	0845	199
93168105	3652	186	094927	0611	189	094899	0875	194	094884	0846	199
4431241	3653	186	094829	0618	189	094999	0876	194	094990	0847	199
93161681	3653	186	094833	0618	189	094999	0876	194	0948F6	0848	199
7701476595	3653	186	094855	0618	190	0948A7	0877	194	0949F1	0880	199
641042	3910	186	094955	0619	190	0948C6	0877	194	0949A3	0880	199
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PAZ		Pag	094969	0619	190	0949A7	0878	194	094872	0852	199
2401007014B7	4400	187	094830	0620	190	0948A1	0883	194	9610612480	0853	199
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2401007014B9	4400	187	094928	0621	190	0948A1	0883	194	094993	0853	199
2401007015B6	4401	187	094923	0621	190	0949A2	0884	194	094895	0856	199
2401007015B7	4401	187	094928	0621	190	094882	0887	194	094996	0857	199
2401007015B9	4401	187	094831	0622	190	094987	0888	194	094849	0824	200
PERKINS		Pag	7910030957	0622	190	0949A8	0859	194	094853	0824	200
31431681	0578	187	094929	0623	190	094989	0859	194	094950	0825	200
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31431741	0589	187	91502890	0623	190	094875	0892	195	0949A3	0880	200
31431281	0589	187	7910010826	0624	190	094981	0893	195	0949F1	0880	200

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0948C0	0881	200	5010284848	5296	204	7701463081	0652	206	7701471704	0714	210
0948C0	0881	200	7420540013	5297	204	7700713790	0653	206	7701469369	0714	210
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094881	0885	200	7421430918	5298	204	7701460148	0659	206	7701468623	0715	210
094898	0885	200	RENAULT		Pag	7701460143	0659	206	7701471705	0717	210
094986	0886	200	7700565824	0402	204	7700733512	0659	206	7701469373	0717	210
0948C2	0894	200	7701458152	0402	204	7700644709	0659	206	7701468169	0720	210
0949B1	0895	200	607598100	0638	204	7700740221	0659	206	7701469684	0720	210
0948C7	0898	200	5555751	0638	204	7700701645	0659	206	7701468170	0721	210
0949C3	0899	200	5555263	0639	204	7701461802	0407	207	7700859517	0721	210
0948E6	1271	200	7701458195	0639	204	7701463181	0407	207	7701476024	0726	210
9675708880	1271	200	7700555263	0639	204	6001004967	0407	207	7700110387	0726	210
0949E3	1272	200	7701458180	0405	204	7700638247	0407	207	7701471702	0726	210
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LGH10051	0816	215	1360834	1023	218	069109601H	3043	222	030109601AH	5246	227
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STEYR DAIMLER PUCH		Pag	1291560A50	2543	235	1371534032	1782	240	1371150020	6094	244
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1291571C50	3803	233	12911M86J00	2924	238	1371574020	5507	243	D02711	1864	247
13201AA530	3804	234	1291585E00	2925	238	1371162020	5512	243	D022005	1865	247
13202AA560	3805	234	12915M86J00	2925	238	1371562020	5513	243	501007014	1920	247
13201AA351	3806	234	TATA DIESEL		Pag	1371165010	5514	243	501007015	1921	247
13202AA361	3807	234	254705125114	0816	238	1371565010	5515	243	4753526630	4400	247
13201AA390	3808	234	254705125113	0821	238	1371162030	5516	243	4753421198	4401	247
13201AA371	3808	234	3920867	1968	238	1371562030	5517	243	VAN HOOL		Pag
13202AA400	3809	234	3920868	1969	238	1371562040	5517	243	1886246	1008	247
13202AA411	3809	234	TEMSA		Pag	1371562050	5517	243	1886247	1009	247
13202AA412	3809	234	51041010574	1798	239	1371120020	5522	243	51041010478	1625	248
1371147010	5538	234	51041010546	1799	239	1371520020	5523	243	51041010479	1626	248
1371547010	5539	234	1345509	1844	239	1371146022	5524	243	51041010425	1630	248
SUBARU DIESEL		Pag	1352127	1845	239	1371146021	5524	243	51041010410	1631	248
641072	2924	234	1684513	2290	239	1371546020	5525	243	51041010547	1635	248

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51041010548	1636	248	078109601A	3038	253	036109601AK	3102	257	072109611	1131	261
1345509	1844	248	078109601A	3038	253	036109601S	3102	257	028109601C	2972	261
1352127	1845	248	037109601	3038	253	03C109601L	3102	257	028109611E	2973	261
51041010438	2347	248	048109611B	3039	253	036109611K	3103	257	068109601C	3015	261
51041010439	2348	248	037109611B	3039	253	036109611AE	3103	257	069109601F	3043	261
VAUXHALL		Pag	026109601C	3042	253	03C1096011Q	3103	257	069109601G	3043	261
09158477	2068	248	026109601A	3042	253	03C109611G	3103	257	069109601H	3043	261
90529527	2068	248	048109611A	2980	253	03C109611R	3103	257	068109611L	3045	261
09158474	2069	248	053109611	2980	253	030109601AG	3104	257	068109611M	3045	261
90529529	2069	248	311109601	0734	254	030109601AC	3104	257	069109611	3045	261
90412277	2170	249	113109612A	0735	254	030109611N	3105	257	030109601B	3008	261
90410813	2171	249	311109612	0735	254	06B109601B	3114	257	030109601C	3008	261
641063	2192	249	311109612A	0735	254	06B109601D	3114	257	030109601D	3008	261
641376	2193	249	035109611H	3007	254	06B109601H	3114	257	030109601F	3008	261
1291182010	2540	249	035109611F	3007	254	06B109611C	3115	257	073109601A	3008	261
1291582000	2541	249	026109601A	3042	254	06B109611B	3115	257	073109601D	3008	261
641049	2621	249	026109601A	3042	254	06D109601K	3126	257	030109611C	3009	261
641360	2622	249	035109603	3048	254	06D109601M	3126	257	030109611A	3009	261
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46471639	2922	249	035109601F	3048	254	06L109601	3126	257	068109601L	3044	261
VAUXHALL DIESEL		Pag	040109601	3049	254	06D109611K	3127	257	068109601M	3044	261
4817354	2316	250	036109601AL	3052	254	06D109611L	3127	257	068109601N	3044	261
4817338	2317	250	041109601	3053	254	06D109611H	3127	257	068109611L	3045	261
6260500500	2362	250	041109611	3054	254	06D109611T	3127	257	068109611M	3045	261
6260500800	2363	250	036109611K	3103	254	06j109611A TAPERED	3127	257	069109611	3045	261
93161682	3652	250	036109611K	3103	254	06j109611A TAPERED	3127	257	030109601	3061	261
93161681	3653	250	036109611AE	3103	254	048109611B	3039	258	028109601J	3106	262
VOLKSWAGEN		Pag	030109601C	3008	254	037109611B	3039	258	028109611K	3107	262
311109601	0734	250	030109601D	3008	254	022109601G	3094	258	059109601B	3108	262
052109601	0741	250	030109601F	3008	254	022109611N	3095	258	059109611B	3109	262
052109611	0742	250	073109601A	3008	254	022109601H	3128	258	038109601B	3110	262
043109611	2603	250	073109601D	3008	254	022109611M	3129	258	038109611F	3111	262
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049109601F	1118	251	030109611A	3009	254	03F109611B	3131	258	062109601	3116	262
049109611F	1119	251	030109611A	3009	254	03F109611C	3131	258	062109611A	3117	262
049109601A	1125	251	030109601	3061	254	04E109601	3147	258	03G109601A	3118	262
049109611A	1126	251	051109601B	3062	254	04E109611L	3148	258	03G109611B	3119	262
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030109601B	3008	251	030109601E	5066	254	030109611A	3009	258	03G109611D	3121	263
030109601D	3008	251	021109601E	3064	255	030109601J	5240	258	059109601F	3122	263
073109601D	3008	251	021109601H	3064	255	030109601L	5240	258	059109611G	3123	263
073109601A	3008	251	021109601J	3064	255	032109601F	5242	259	038109601E	3132	263
030109601C	3008	251	021109601K	3064	255	032109601G	5242	259	038109611E	3133	263
058109601C	1132	251	021109601L	3064	255	032109611G	5243	259	045109601	3134	263
058109601C	1132	251	021109611F	3065	255	032109611G	5243	259	045109611	3135	263
058109611M	1133	251	021109611G	3065	255	030109601N	5244	259	059109601G	3138	263
06B109611D	1133	251	021109611D	3065	255	030109601M	5244	259	059109611K	3139	263
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05184128AE	2645	251	036109611T	3069	255	030109601AD	5246	259	04L109601B	3142	264
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00A109611	2773	251	030109601AK	3080	255	030109601G	5248	259	03L109601A	3144	264
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047109611B	2963	252	030109601AS	3080	255	030109601AB	5250	259	03L109611A	3145	264
052109611	0742	252	030109611S	3081	255	030109601AA	5250	259	04L109611A	3145	264
073109601C	2967	252	030109611AE	3081	255	VOLKSWAGEN DIESEL	Pag		VOLVO	Pag	
073109611A	2968	252	030109611AF	3081	255	069109601D	1130	259	3267437	0405	264
035109613	2969	252	077109601Q	3088	255	072109601	1130	259	31044019	0405	264
04E109601A	2976	252	077109611S	3089	255	069109601C	1130	259	31044019	0405	264
04E109611K	2977	252	022109601F	3090	256	068109611D	1131	259	32776932	0406	264
04E109601B	2978	252	022109611B	3091	256	068109611C	1131	259	32674376	0407	264
04E109611J	2979	252	022109601E	3092	256	072109611	1131	259	32776957	0407	264
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026109601D	3006	252	032109601M	3097	256	51041010417	1632	260	3267436	0649	264
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035109611F	3007	252	030109601AL	3098	256	J1371517010	1791	260	32874190	0412	264
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053109611	2980	253	032109611L	3099	256	028109601H	1948	260	13177928	0536	265
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035109611K	3005	253	030109611T	3099	256	028109601D	2970	260	12766879	0538	265
048109601A	3014	253	036109601P	3100	256	028109611G	2971	260	35472471	0538	265
078109601B	3038	253	036109611L	3101	256	068109611C	1131	261	4635264	0538	265
078109601E	3038	253	036109601AD	3102	257	068109611D	1131	261	13784731	0539	265

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6842421	0544	265	4663795	2123	270	ZETOR		Pag
1397190	0544	265	421680	2124	270	950505	0780	273
6842422	0545	265	4653811	2124	270	950506	0781	273
1397191	0545	265	4711958	2124	270	480005915	0784	273
2453900	0635	265	4675021	2125	270	69010554	0786	273
2458024	0637	265	1545290	2125	270	69010555	0787	273
33422783	0652	266	479204	2125	270	480005014	0788	273
33243997	0653	266	8194223	2125	270	480005015	0789	273
33437385	0653	266	467857	2126	270	ZIL		Pag
33448416	0712	266	8194224	2126	270	2401007014B7	4400	273
33448424	0713	266	467503	2126	270	2401007014B4	4400	273
9454607	1175	266	467682	2126	270	2401007014B9	4400	273
9454610	1176	266	4678553	2126	270	2401007015B6	4401	273
9454608	1177	266	21016539	2411	270	2401007015B7	4401	273
30711639	1262	266	21428679	5189	270	2401007015B9	4401	273
30711638	1263	266	21428675	5189	270	ZOTYE		Pag
30777329	1315	266	4655486	2127	270	MD127840	1442	274
30777328	1316	266	4205530	2127	270	MD127841	1443	274
8694781	1317	266	3825723	2127	270	MD139755	5214	274
8694780	1318	266	4655494	2128	270	MD128435	5216	274
31370617	1856	267	8192143	2128	270	MD339752	5217	274
31330401	1857	267	1556472	2130	270	MD339754	5218	274
31375559	1857	267	1543026	2130	270			
31316318	2266	267	1543027	2131	270			
9487443	2267	267	1556896	2131	270			
31316317	2379	267	863702	2131	270			
9207874	0530	267	1556473	2131	270			
13976410	0530	267	1547492	2141	271			
9207977	0531	267	3169490	2141	271			
1366490	0531	267	20441486	2142	271			
9207880	0531	267	3165234	2142	271			
9471466	0531	267	8148574	2142	271			
9471463	0531	267	20441945	2142	271			
13668827	0531	267	3978768	2143	271			
13668827	0531	267	3978766	2384	271			
1270455	2378	267	8148574	2142	271			
VOLVO DIESEL		Pag	3165234	2142	271			
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32879678	0651	267	3165234	2142	271			
3345515	0714	267	3165234	2142	271			
30852144	0714	267	3165234	2142	271			
30852146	0715	267	20441486	2142	271			
3345516	0715	267	477443	2144	271			
8653745	0879	268	477447	2376	271			
8653744	0880	268	24426433	2402	271			
30711498	0898	268	20739057	2402	271			
30711497	0899	268	20739058	2402	271			
069109601C	1130	268	20513284	2403	271			
9135926	1130	268	20513285	2403	271			
13281472	1130	268	20735572	2404	271			
13280888	1130	268	20459326	2407	271			
13892617	1130	268	20528113	2408	272			
13280896	1131	268	20564039	2412	272			
13281480	1131	268	20450002	2400	272			
13892625	1131	268	8148069	2401	272			
068109611C	1131	268	20516141	2401	272			
9135927	1131	268	20528113	2408	272			
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046109601J	1948	268	20570965	2409	272			
046109611F	1949	268	20740798	2410	272			
31330181	2274	268	20561995	2410	272			
31330182	2275	268	20712128	2410	272			
8631650	2380	269	20768519	2411	272			
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4692406	2116	269	20997871	5227	272			
4692406	2116	269	20833936	5227	272			
4220166	2117	269	20540017	5297	272			
4220174	2118	269	21430918	5298	272			
4220174	2118	269	20564020	5298	272			
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G50029	987064	65	G51039	4676070	58	G51698	8-942067630	103	G52105		267
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G50108	616 053 03 29	156	G51039	4684422	61	G51757	7N2051	23	G52119	60579200	1
G50108		232	G51039	4802126	61	G51757	7N2051	24	G52125	103 050 03 24	151
G50110	621 053 36 30	156	G51227	056 103 419A	6	G51767	11122-46010	245	G52127	103 050 07 24	151
G50110		232	G51227	056 103 419A	7	G51768	11126-46010	245	G52143	MD000461	166
G50126	3365788	111	G51227	056 103 419A	8	G51770		260	G52144	MD000471	166
G50146		66	G51227	056 103 419A	10	G51801	5924098	66	G52149	94029-347	104
G50164		67	G51227	056 103 419A	11	G51811	4749395	63	G52149	94029-347	105
G50164		70	G51227	056 103 419A	85	G51811	4749395	64	G52162	51032011052	21
G50168		67	G51227	056 103 419A	219	G51811	4749395	73	G52162	51032011052	137
G50173		67	G51227	056 103 419A	219	G51811		202	G52162	51032011052	260
G50173		68	G51227	056 103 419A	221	G51871	11121280523	14	G52163	51032011053	21
G50173		125	G51227	056 103 419A	250	G51871	11121280523	15	G52163	51032011053	137
G50177		67	G51227	056 103 419A	251	G51871	11121280523	19	G52163	51032011053	260
G50195	4373602	75	G51227	056 103 419A	252	G51884		247	G52164	51032010079	136
G50232		58	G51227	056 103 419A	253	G51908	UAJ1007	13	G52165	51032010066	136
G50232		61	G51227	056 103 419A	258	G51909	UAJ1009	13	G52166		165
G50273		5	G51227	056 103 419A	259	G51913	11121263642	14	G52167		165
G50273		59	G51227	056 103 419A	261	G51921		81	G52168	MD020551	164
G50273		62	G51227	056 103 419A	268	G51923	61585072	5	G52168	MD020551	166
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G50278		59	G51237	5414143	63	G51936	11122-38021	240	G52169	MD020561	166
G50278		62	G51238	5414141	42	G51937	81SM6510LC	77	G52170	22114-42520	100
G50284	4578795	58	G51238	5414141	63	G51937	81SM6510LC	78	G52170	MD050523	167
G50284	4578795	58	G51239	2P1262	25	G51940		77	G52171	22115-42520	100
G50287	4802126	58	G51245	119000150302	1	G51943		77	G52171	MD050527	167
G50287	4802126	60	G51260	421297	269	G51947		87	G52177		172
G50303	EIADDN6510A	86	G51260	421790	270	G51951		48	G52177		177
G50378	0420002	141	G51264	6N2236	24	G51951		179	G52178		172
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G50394	07 10 939 000	46	G51316	422320	269	G51956	220510	34	G52206	11122-10040	242
G50394	07 10 939 000	205	G51323	13212-21010	170	G51956	0220-51	190	G52244	7616998	3
G50394	07 10 939 000	207	G51324	13213-21010	170	G51956	0220-51	205	G52244	7616998	70
G50394	3102891-3	264	G51332	11122-33011	240	G51961	0220-58	35	G52244	7616998	70
G50396	07 10 942 500	206	G51333	11126-33011	240	G51961	0220-58	62	G52244	7616998	127
G50480	4294108	65	G51334	0370-10-280	143	G51961	0220-58	191	G52260	60562594	1
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G50507	4265699	66	G51335	0305-23-090	143	G51961	0220-58	207	G52263	60562594	1
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G50507	4265699	76	G51342	77 01 452 333	206	G51973	60507152	4	G52271		19
G50507	4265699	124	G51355	4733258	60	G51975	L343FF01	187	G52275	110 050 53 24	150
G50507	4265699	273	G51355	4733258	73	G51993		83	G52275	110 050 53 24	150
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G50650	4647838	59	G51370	2101-1007033/20	123	G52049	51032010088	136	G52290	0220-65	215
G50650	4647838	62	G51400	11122-23010	54	G52049	51032010088	136	G52298	0220-64	35
G50655	4647842	59	G51400	11122-23010	239	G52053	0220-55	50	G52298	0220-64	35
G50655	4647842	62	G51411	0220-40	189	G52053	0220-55	198	G52298	0220-64	38
G50675	4630923	64	G51420	147967	43	G52054		198	G52298		192
G50680	4648237	64	G51448	11126-24020	245	G52054		209	G52298		195
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G50803	346 053 09 29	159	G51449	422 053 04 30	160	G52064	117 050 06 24	151	G52301	0220-72	35
G50804	355 053 03 30	159	G51467	4250803	68	G52064	117 050 06 24	151	G52301	0220-72	38
G50811	2414268	112	G51467	4250803	68	G52067	102 050 17 24	151	G52301	0220-72	192
G50813	2414269	112	G51467	4250803	76	G52067	102 050 17 24	152	G52301	0220-72	195
G50868		91	G51467	4250803	124	G52069	102 050 18 24	151	G52304	027 103 419	7
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G50873	3055022R1	102	G51467	4250803	273	G52077	300957	217	G52304	027 103 419	254
G50887	210279	52	G51498	049 103 419	6	G52077	300957	218	G52314	0220-59	35
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G50934	796122R1	101	G51498	049 103 419	11	G52078	300958	218	G52317	WAM4227	212
G50934	33261732	141	G51498	049 103 419	251	G52082	60737369	1	G52318		132
G50934	33261732	188	G51498	049 103 419	252	G52093		184	G52318	12204-PJ7-305	92
G50935		101	G51498	049 103 419	261	G52099		51	G52319	12204-PJ7-305	93
G50935	33261752	141	G51498	049 103 419	261	G52099	601 050 06 24	157	G52319	12204-PJ7-305	94
G50935	3343J002	188	G51518	2232528	111	G52099		231	G52319	12204-PJ7-305	95
G50942	0220-25	62	G51518	2232528	112	G52099		232	G52319	12204-PJ7-305	96
G50942	0220-25	189	G51518	2232528	113	G52101	601 050 09 24	51	G52320	12205-PJ7-305	92
G50943	0220-16	83	G51563	463771	265	G52101	601 050 09 24	157	G52320	12205-PJ7-305	93
G50943	0220-16	197	G51684	116 050 36 24	151	G52101	601 050 09 24	231	G52320	12205-PJ7-305	94
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G51016	415266	266	G51697	8-942067620	103	G52105		167	G52320	12205-PJ7-305	96
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GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG	GIEFFE	OEREF	PAG
G52324	12205-PH7-305	92	G52470	037 103 419B	222	G52561	13212-54T00	177	G52774	047 109 608	224
G52326	2108-1007032/20	123	G52470	037 103 419B	223	G52563	B6Y0-10-290	143	G52789		30
G52327	2108-1007033/20	123	G52470		225	G52564	7402396	83	G52789		165
G52328		34	G52470		226	G52565		193	G52789	MD300702	166
G52332	0220-73	37	G52470		227	G52571		115	G52833	0220-96	37
G52332	0220-73	38	G52470	037 103 419B	253	G52571	B6Z0-10-280	144	G52835	1313683	51
G52334	0221-19	37	G52470	037 103 419B	261	G52571	B6Z0-10-280	145	G52835	1313683	53
G52334	0221-19	38	G52470	037 103 419B	260	G52572	F2Y1-23-091	144	G52836		20
G52334	0221-19	193	G52470	037 103 419B	262	G52572	F2Y1-23-091	145	G52836		41
G52339	60572415	126	G52470	037 103 419B	263	G52573	1270397	265	G52836		73
G52342	60612835	1	G52472	051 103 419	8	G52574	477877	270	G52836		84
G52342	60612835	2	G52472	056 103 419A	254	G52574	477877	271	G52850		30
G52342	60572412	126	G52474	7756897	72	G52577		171	G52859	MRF01-10-104	119
G52346	011-10-290	118	G52475	60811087	4	G52580		171	G52885	9Y8848	23
G52346	011-10-290	149	G52475	7757052	71	G52582		208	G52913	557284	53
G52348	11122-42010	242	G52477	7779402	71	G52582		208	G52930		85
G52349	11122-16020	242	G52477	7779402	72	G52582	3343624	266	G52944	XS7Q6510AC	42
G52352	13212-W0510	170	G52482		48	G52583		177	G52944		74
G52353	13212-V5010	173	G52482		181	G52585		167	G52944		84
G52354	13213-V5010	173	G52482		182	G52585		176	G52944		84
G52357	13213-W0510	170	G52482		215	G52585		183	G52944		84
G52363	11122-56021	56	G52488	058 103 415	6	G52585	77 00 859 086	210	G52944		84
G52375	60750222	1	G52488	058 103 415	8	G52585		267	G52944		84
G52377	11121715373	14	G52488	058 103 415	9	G52589	12204-PM7-305	96	G52944		84
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G52403	60810438	1	G52488	058 103 415	12	G52593		180	G52944		84
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G52422	0221-21	35	G52491		18	G52606	4250803	5	G52944		84
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G52429	104 050 27 24	153	G52499		136	G52611	11115-82000	234	G52944		84
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G52452		168	G52510		206	G52641		208	G52944		84
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G52462	030 103 419A	256	G52522	606 053 12 29	157	G52691	11124-87101	54	G52944		84
G52462	030 103 419A	259	G52527	60612839	1	G52692	11128-87101	54	G52944		84
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G52464	032 103 419A	259	G52542	4861816	59	G52703	11122-64010	246	G52944		84
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G52470	037 103 419B	7	G52546		115	G52714	13212-AD260	178	G52944		84
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G5S2761	11115-73G01-001	236									
G5S2763		176									
G5S2765		176									
G5S2771	11115-54G00-001	73									
G5S2771	11115-54G00-001	236									
G5S2775		80									
G5S2775	FSY1-10-280	142									
G5S2775	LFY1-10-281	142									
G5S2783	22114-26000	98									
G5S2783	22114-26000	117									
G5S2797	500391440	63									
G5S2799	500391436	63									
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G5S2809	55186786	23									
G5S2811		43									
G5S2811	504053804	65									
G5S2814	24405805	50									
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G5S2830	55210016	4									
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G5S2848	22114-4A000	120									
G5S2856	0K30E-10-281	116									
G5S2890	22114-2A000	101									
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G5S2891	22115-2A000	101									
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G5S2902	5066773AA	32									
G5S2904	4667411	31									
G5S2910	0K30C-10-291B	116									
G5S2924	22114-2B000	99									
G5S2924	22114-2B000	118									



NOTE - NOTE - NOTES - NOTAS

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