

**ALL THE PARTS YOU NEED**

EDITION 2.0

# 90-110 DEFENDER

*1983 ONWARDS*

**PARTS & ACCESSORIES  
CATALOGUE**



**RIMMER  
BROS**

INDEPENDENT SUPPLIERS OF ORIGINAL & AFTERMARKET PARTS

SOURCE CODE DCMS

# THE RIMMER BROS SERVICE

WE HAVE THE  
PARTS

WE GUARANTEE  
THE QUALITY

WE'RE KEEN ON  
PRICE

WE DELIVER  
FAST

WE KNOW YOUR  
CAR

## HELPING YOU CARE FOR YOUR 90, 110 & DEFENDER

Since the early 1980s, Rimmer Bros have specialised in supplying parts for Classic Triumph cars. In addition, we have been supplying stainless steel exhaust systems for Land Rovers and other 4x4 vehicles since 1984. In 1993, we added to our range of mail order parts catalogues when we began stocking parts for the Rover SD1.

In the summer of 2000, to celebrate 30 years of Range Rover production, we launched our comprehensive parts catalogue for the Classic Range Rover. This was a natural move, as a vast number of Range Rovers are powered by the Rover V8 engine - a subject in which we specialise! This was followed soon after by our Discovery and Freelander parts and accessories catalogues.

We are now pleased to introduce our latest parts and accessories catalogue, for the Land Rover 90, 110 & Defender. Catering for all models 1983 onwards, the catalogue lists a comprehensive range of both genuine and aftermarket parts and accessories.

Our customers are owners, garages and other specialists looking for a fast, reliable source of original and high quality aftermarket parts and accessories available by mail order. We have the latest technology to ensure orders are processed instantly and despatched promptly to wherever you are - UK or worldwide.

Our aim with this catalogue is to apply our unique mail order parts service to 90, 110 and Defender, helping you to maintain and enhance your vehicle.

## THIS CATALOGUE

We have endeavoured to keep the parts listings as comprehensive as possible whilst concentrating on the items most frequently called for. If the parts you require are not shown, please contact our sales office, where our staff will be pleased to check availability and price for you. Prices are listed in our separate Price Guide or can be found on our website.

Our Catalogues and Price Guide are also available on CD - see inside rear cover for details.

## MEMBERS OF BRITISH MOTOR HERITAGE

British Motor Heritage is an organisation committed to the preservation of the cars which have special places in our motoring history. One of the ways in which it pursues this objective is by

helping to ensure that replacement parts are available and are of sufficient quality. Stringent standards are necessary to meet the requirements of Heritage approval, and the highest accolade for any company involved with the supply of parts for classic cars is to have Heritage approval. Rimmer Bros were invited to Heritage membership in 1987 and are approved for Triumph and Rover SD1 models.



## THE CARS WE SPECIALISE IN

As well as looking after your 90, 110, Defender, Freelander, Discovery and Range Rover, we also specialise in Triumph - TR2-TR8, Stag, Spitfire, GT6, 2000/2500/2.5Pi, Herald, Vitesse, Dolomite & Rover SD1. Please refer to inside rear cover for details on all our catalogues.



UK - WORLDWIDE - THE INDEP



## SO WHERE DO WE GET OUR PARTS

Wherever possible we supply original stock from Rover/Land Rover sources - lots of parts are still manufactured. We also offer quality aftermarket parts in certain cases as an alternative to original equipment; often, there can be significant cost savings.



## PART NUMBERS

In general, we use Land Rover part numbers to identify original equipment (OE) Land Rover parts. When an alternative to the OE is offered (aftermarket), then the part number is identified with a 'P' suffix. There is also equivalence with certain Rover and Triumph numbers where we list the Rover/Triumph number.

LL, RA, RB, RD, RX & LF prefixes denote a Rimmer Bros derived part, where no original part number exists. An 'R' suffix denotes 'reconditioned', usually sold on an exchange basis.

## THE STOCK WE NEED TO GIVE THE SERVICE YOU NEED

**Our degree of specialisation means two things:**

Firstly, our people know the cars we're dealing with inside and out, and can give you any advice you might need regarding part selection.

Secondly, we are able to stock in depth just about any part you might need. Triumph House was acquired in 1991. With nearly 50,000 square feet of warehousing alone, it is a cavernous building, and it needs to be! It currently contains more than 350,000 recorded part numbers with over 30,000 stock lines, and we hold as many of each as necessary to make it almost impossible to run out of stock.

All other aspects of our operation receive equal emphasis. A truly efficient mail order and stock control system. The latest racking and storage facilities for fast and accurate "order picking", careful packaging and despatch procedures.

## THE PEOPLE YOU'RE DEALING WITH

This company really is owned by two brothers named Rimmer. Bill and Graham started their business from humble beginnings in the early 1980s, and it has grown to be one of the leading organisations of its kind in the world, supplying parts Worldwide to an ever growing list of customers.

Both Bill and Graham still work full-time in the business, helped now by over 50 members of staff.

The main qualification of membership of our staff is a recognition that our customers, and our company reputation, depend on our ability to get every aspect of our service right first time.



## COMMITMENT TO CUSTOMER SERVICE

*Helpful - Accurate - Fast - Efficient*

**The overall objective at Rimmer Bros is to achieve customer satisfaction at all times.**

Our people know your car well, and every member of our staff is dedicated to helping to preserve Classic Cars.

Our computer system gives up-to-the minute information regarding availability and the price of any item. We have an enviable reputation for despatching goods when the customer needs it, quickly and efficiently.

We try to make all our systems and documentation easy to follow and use, and make sure that our catalogues and price guides really do help our customers choose the right parts easily, first time.



"Errors & Omissions Excepted. All parts offered subject to availability.

All part numbers, illustrations and photographs used in this catalogue are intended for reference/identification purposes only, and are not necessarily an exact representation of the goods supplied. Whilst we make every effort to ensure the accuracy of product descriptions in this catalogue, they are based upon information supplied by the manufacturer/distributor at the time of publication. There may be occasions - due to circumstances beyond our control - when specifications are changed, or when goods become temporarily unavailable." Certain part numbers have been superseded to an alternative number when a later version or updated specification is offered.

© Copyright Rimmer Bros. All rights reserved. No part of this publication may be copied, reproduced, stored in any retrieval system, communicated or transmitted in any form or by any means, including Photocopying, Electronic, Mechanical or otherwise, without prior written permission from Rimmer Bros Ltd.

# ENDENT LAND ROVER PARTS SPECIALIST

## TELEPHONE NUMBER

SALES

**01522  
568000**

(Overseas +44 1522 568000)

## FAX NUMBER

SALES

**01522  
567600**

(Overseas +44 1522 567600)

## E-MAIL ADDRESS

[LRsales@rimmerbros.co.uk](mailto:LRsales@rimmerbros.co.uk)

## WEB SITE

[www.rimmerbros.co.uk](http://www.rimmerbros.co.uk)

## ADDRESS DETAILS

Rimmer Bros, Triumph House,  
Sleaford Road, Bracebridge Heath,  
Lincoln, LN4 2NA, England.

## ORDERING BY E-MAIL AND THE INTERNET

For Internet surfers our web site holds details on all our parts catalogues and has an on line ordering facility. Use our E-Mail address for sending your order or parts enquiry. State if you require us to confirm prices, as they can sometimes alter at short notice.

E-Mail:

[LRsales@rimmerbros.co.uk](mailto:LRsales@rimmerbros.co.uk)



Order through our website using our **secure** on-line ordering system!

All the latest news, special offers, products and prices just a 'click' away.

## THIS CATALOGUE & OUR PRICE GUIDE

There are no prices in this catalogue. Use it to select the parts you need, then check their cost by referring to the separate Price Guide which represents the other half of our ordering system. The price guide is updated and reprinted more frequently, but we ask that you confirm all prices when ordering. It may also list additional parts (new lines) that we have introduced since this catalogue was printed, and it has more detailed information about ordering & delivery methods. It also has information on warranties and a 'Trouble Shooter Guide'.

## ORDERING BY PHONE

Please quote your home postcode and part numbers where possible. This gives instant access to our computerised records and stock control system. If you have any difficulty in selecting the parts you need, our expert staff can help.



### UK Payment for Phone Orders

(See also "Overseas Orders & Payment.")

When you have checked on price, availability and delivery costs you can place your order by phone using Visa, MasterCard, Delta/Connect, Maestro, Solo, American Express, Diners Club, or JCB. You will merely need to tell us the card number, expiry date (or issue number), cardholder's full name and registered card address.

### After Hours Ordering Service

We operate a 24-hour answering/ordering service which is available to card holders out of normal hours for both UK and Overseas customers. Just leave all necessary details on our telephone voice mails, ie your vehicle type, year, model, the parts and/or the part numbers you require, plus your name, address (inc, postcode), credit card details and delivery address (if different).

Writing out these details before phoning usually helps a caller to give us clear instructions. If at all possible, please also leave a daytime telephone number.

## ORDERING BY POST

**Triumph House, Sleaford Road, Bracebridge Heath, Lincoln, LN4 2NA, England.**

We ask you to phone first if at all possible - to check your parts selection, and to advise of delivery charges. Because prices and availability sometimes change, we can also confirm the exact remittance needed avoiding unnecessary delays. If you have not been able to telephone, please give us all possible information - car type/year, RH or LH, front/rear etc - so we can check your selection (including your name, address and postcode) in all correspondence.

Use our Order Form if you can. It asks specifically for all the details we might need. Please photostat or request additional copies of the order form if required.

### UK Payment for Post Orders (See also "Overseas Orders & Payment.")

Send your remittance with the order. The 'Pricing' section in the Price Guide tells you how to calculate the amount.

We accept payment by personal cheque even if the cheque guarantee card limit is exceeded. All we require is your full name and address on the back of the cheque along with your cheque card number and for business cheques, a relevant letterhead. Cheques or P.O.s made out "Rimmer Bros Ltd" please.

Note, if you are unsure as to the exact amount to send, you can write across the top of your cheque, "Cheque Value Not To Exceed £...". You can post us your credit card details if you prefer. If you send cash, note that we cannot accept responsibility for any loss, so registered mail is essential. Bank drafts and Building Society cheques are also accepted. For Bank Transfer information see Price Guide.

## ORDERING BY FAX

**UK CUSTOMERS: 01522 567600 OVERSEAS CUSTOMERS: +44 1522 567600**

(See also "Overseas Orders & Payment.")

Another facility for customers who wish to make enquiries, or order by credit, debit or charge card. Again, we will need your name, address (inc. postcode), credit card details and delivery address (if different). Plus fullest possible car/parts details - as for orders by post.

# ORDER

## COLLECTING IN PERSON

If you wish to 'call and collect', you will always be made welcome at our shop and sales counter during business hours. Our Visitor Information Centre has lots of interesting details of each production model and the factories where they were produced.

Customers drive here regularly from all over Europe. Lincoln is a historic Cathedral city and is an excellent place to visit. We're about 2 miles south of Lincoln on the A15 Lincoln to Sleaford road (see map on back cover). We advise you to pre-check by phone that we have the part/s you want in stock.

We accept payment by credit card, cash, bank draft, travellers cheque, building society cheque, and personal cheque (when presented with a cheque card) even if the cheque card limit is exceeded, and by business cheque with accompanying letterhead.

## PRICING

For full information and details on prices, VAT, & VAT exempt export sales, please refer to the latest Price Guide. Written quotations are available on request, for parts and/or delivery charges. Please confirm all prices when ordering - prices and availability can sometimes change at short notice. Up to date prices can be found on our web site.

## OVERSEAS ORDERS & PAYMENT

We supply parts to classic car owners Worldwide. We have thousands of customers in Europe and regularly send parts as far afield as Australia, North America, Africa and the Far East. Delivery costs of course, vary greatly (depending on size/weight/urgency). We can quote accurately for the cost of parts and delivery once your requirements are known.

Our Multi-language European Order Forms explain how to order parts in English, Italian, German, Spanish and French.



TEL: **+44 1522 568000**

FAX: **+44 1522 567600**

E-MAIL: **LRsales@rimmerbros.co.uk**

### Payment By Export Customers:

There is a choice of payment methods for customers overseas;

- A) Credit card, Debit card or Charge card.
- B) Bank cheque - in ££s sterling (Drawn on a London Bank)
- C) Travellers Cheques (signed) - in ££s sterling.
- D) Giro Cheques in ££s sterling.
- E) By Bank Transfer - see Price Guide.

**PLEASE NOTE THAT ALL TRANSACTIONS MUST BE IN ££s STERLING.**

## CHOICE OF DELIVERY METHODS

*(For Further Information/Cost Details, Please Refer to Price Guide)*

### UNITED KINGDOM

There are numerous delivery options for the UK mainland ranging from Post (first class or parcel post) to overnight carrier services. We can advise of the best method of despatch when you telephone. The type of service that we recommend depends upon the size, weight and urgency of the parts you require.

Our price guide indicates the approximate costs, and we will confirm the final invoice total at the end of the call if required.

### WORLDWIDE (NON EC COUNTRIES)

We started exporting parts Worldwide in 1982, and since then we have gained an excellent reputation for our speed & efficiency of service.

Delivery costs are based on size, weight, and method of delivery. We have discounted rates with well known carriers, so costs are kept to a minimum. Send us a list of the parts you need (using post, phone, fax or E-Mail), tell us quantities and urgency, and we will work out the best delivery method and quickly advise you of the cost.

Written quotations are available on request.

### EC COUNTRIES

The European Community Single Market permits the free movement of goods between all EC countries. This allows us to provide a superb service to all our customers within the EC, with the benefits of improved delivery - via lower charges and easier documentation. Deliveries can be easily arranged using air or surface transport. Our Price Guide indicates approximate costs.

# CATALOGUE CONTENTS

	PAGE
Service Items	8
4 Cylinder Petrol Engines	9
4 Cylinder Diesel Engines	10
Td5 Engines	11
V8 Engines	12
Clutch	31
Engine & Gearbox Mountings	31
Cooling System	32
Fuel System	35
Exhausts	38
Gearbox	45
Propshaft	46
Axles	47
Front Suspension	49
Rear Suspension	51
Suspension Kits	53
Road Wheels	57
Brake System	61
Steering	63
Electrical	65
Bodywork	70
Body Fittings & Finishers	72
Transfers & Badges	76
Interior Trim	77
Accessories	79
Index	104

## NEW & RECONDITIONED PARTS

Almost every part we list is sold brand-new, but in many instances we also offer you the facility to buy "Reconditioned" (usually giving us your old component in part-exchange).

Where there is a reconditioned version of a part, you will find the letter 'R' added at the end of the part number.

## EXCHANGE SURCHARGES (REFUNDABLE)

Where parts are sold on an exchange basis, an "Exchange Surcharge" is applied - a deposit in effect, which is refunded to you when your old unit is received by us. This system allows you to make an exchange without having to send the old unit first ... it can often prevent your vehicle being off the road. The amount of the Exchange Surcharge is shown in the Price Guide in italics below the part number.

Before returning your old unit, please telephone our customer service dept on 01522 568000 in order to obtain a return authorisation number. See reverse of invoice for full details of return procedure. Units must be drained of oil, water and be serviceable; we reserve the right to retain all or part of the surcharge if the unit is irreparable, damaged, incomplete or not identical to the type supplied.



**ACKNOWLEDGEMENTS:** Rimmer Bros would like to thank the many owners who volunteered their cars for location photography used in this catalogue, particularly Mark Upton, Victoria Wade and Charlotte Rimmer. Also 'British Motor Heritage Industry Trust' at Gaydon for permitting us to reproduce some of their archive photography from their photo library. Finally thanks to Graham Robson, Motoring author and fountain of knowledge, who wrote the introduction to this catalogue.

# Land Rover Ninety, One-Ten & Defender

Although the 90/110 family were lineal descendants of the original Land Rover, and one could see the visual similarities between new and old, technically they were almost completely different. By that time, almost every component had been re-designed or renewed. As ever though, the chassis frame was very robust, and most of the body shell was in rot-proof aluminium sheet.

The main thrust behind the new models was to provide a softer ride and more wheel movement, an even more rigid chassis frame, and more civilised interiors. These became known at Solihull as the 'Stage 2' range. Existing engines were retained, but with a new transmission, new axles, new suspension front and rear, new brakes – and those style changes that have already been mentioned.

There were two different chassis: the Ninety had a 92.9in wheelbase (prototypes had been built around a 90in. frame), the One-Ten a 110in. wheelbase. The Ninety was unveiled in June 1984, the One-Ten a year earlier in March 1983, so there was a messy overlap with old-style leaf-spring models.

The two wheelbase types shared derivatives of the same chassis, with the same layout and components. There were stout spring towers at the front of the frame and the rear coil springs were squeezed between the frame side members and rear axle pads themselves. There were no common components with the Range Rover.

Front location was by radius arms and a Panhard rod, and rear by radius arms and an upper A-bracket. Self-levelling (by a Boge Hydramat strut, as on the Range Rover), was standard on the One-Ten County Station Wagons, optional on other types. Steering was by recirculating ball: power-assisted worm-and-roller steering was optional. This was the first time for a Land Rover to have servo-assisted disc front brakes.

The existing 2.25-litre petrol unit got a new Weber carburettor, and produced 74bhp, the 2.25-litre diesel was unchanged at 60bhp, while the V8 3.5-litre unit was tuned to 114bhp. A modified version of the Rover-Triumph LT77 five-speed gearbox (with special ratios) was standard: the basis of this piece of kit was as used in several BL private cars, TR7 and Rover SD1 included. It was linked to the latest LT230 two-speed transfer gearbox, which provided five high-ratio and five low-ratio forward gears; the centre diff' was lockable. However, the V8 engine, for the time being, came with the Range Rover type of LT95 four-speed gearbox.

Over the years Land Rover tried to use common drive-line components as much as possible, which explains the number of times the Discovery is mentioned here.

Except that the wheelbase lengths had to be slightly reshuffled, and flexible wheel-arch extensions fitted (which meant that users could scrape gateposts, or pieces of countryside without incurring a big repair bill), the light alloy bodies looked, and were, much as before. This time around, the front-end styles were all the same, and the one-piece windscreen was 25 per cent larger.



In the next twenty years, changes were persistent, and can be summarised:

#### March 1983

The new-generation One-Ten went on sale, with 74bhp 2.25-litre petrol, 60bhp 2.25-litre diesel and 114bhp 3.5-litre V8 petrol engine options. A wide variety of body options – pick-up, van, estate car, and a wide high-capacity pick-up – was topped out by the latest County Station Wagon.

#### January 1984

The One-Ten was up-rated with a 2,495cc diesel instead of the earlier 2,286cc engine. Peak power rose from 60bhp to 67bhp, peak torque from 103lb.ft to 114lb.ft. The two engines look very similar and many old models seem to have been up-rated at rebuild/restoration time.

#### June 1984

The new 92.9in wheelbase Ninety model arrived – a short-wheelbase version of the One-Ten: only four-cylinder engine types – petrol or diesel – were available at first. All Land Rovers got one piece passenger door windows, with a package of trim upgrades to suit. Soon after this, the last old-type leaf-spring Land Rover was made.

#### May 1985

A new, 114bhp 3.5-litre V8-powered version of the Ninety went on sale. At the same time V8-engined types got a new five-speed main gearbox, the LT85. This, though designed in the UK, was currently being manufactured and used in Spanish (Santana) Land Rovers.

#### September 1985

Now it was time for further rationalisation. The company revealed the 2,495cc petrol engine – pushing up peak power from 74bhp to 83bhp – which meant that the two 'fours' shared the same bore and stroke, much of the cylinder block and crankshaft machine tooling, and could be assembled side by side..

#### October 1986

Time for more significant changes to the engine line-up: the first turbo-diesel appeared (85bhp instead of 67bhp, more importantly 150lb.ft of torque compared with 114lb.ft), while the rating of the V8 was pushed up to established Range Rover levels – 134bhp.





### Maturity as 'Defender'

Apart from changes to badging and to minor updates of trim and equipment options, no further changes were then made to the Ninety/One-Ten sisters. Before long these models were replaced by a 'new' type – called the Defender, which was first revealed in September 1989. The name change was little more than that, at first, and was really only made to clarify the range, against the Discovery, which was new at this time.

Old model-name numbers were retained – so the Ninety became a 'Defender 90', while a One-Ten became a 'Defender 110'. – and the renamed cars received many new features during the 1990s. There would be new engines, new transmissions and a whole host of cosmetic and equipment updates – far more than could have been forecast in 1989. It must have made spares and technical provisioning a real nightmare.

In the autumn of 1990, there was a new generation of turbo-diesel engines, with direct fuel injection: the 200Tdi power unit, rated at 107bhp, had an aluminium cylinder instead of the cast-iron of the old (it was already being fitted to the new Discovery). At the same time, old-type normally-aspirated 'fours' became 'special order only, and were soon dropped. The new engine represented a 78 per cent increase in just seven years.

From this point, the Defender got five-speed transmissions throughout – all now being versions of the LT77 design. The Spanish-built 'Santana' LT85 went back into the parts bin.

At the same time, Defender interiors gradually became more 'car like'; the choice of a trim colour was an innovation, as was a cubby box between the seats.

### 1992 model

Henceforth, the Defender was only available with the 107bhp four-cylinder turbo-diesel, and the thirsty 134bhp 3.5-litre V8. Power-assisted steering (previously optional) became standard, while the more refined LT77S transmission took over. Plus yet another type of steering wheel, and further trim changes .....

### NAS Defender 110

In August 1992, the company reintroduced the classic Land Rover - the Defender - to North America, eighteen long years after withdrawal. Because of American legislation, the new type was very different from 'Rest of the World' types: to meet the latest exhaust emissions regulations and to provide adequate performance, the NAS 110 was only sold with one engine - a 182bhp, fuel-injected, 3.9-litre V8. It was the first time that a fuel-injected petrol engine had been used in the classic Land Rover chassis. Even so, because of the poor aerodynamic qualities of this body, the top speed was still limited to 90mph or so.

All the 510 NAS 110s based on the County Station Wagon specification were white with an external roll cage wrapped around the outside of the estate car shell. Along with a massive 'roo bar' at the front and a tubular roof rack on top, the NAS 110 was a 4x4 with real presence. Inside the cabin, air-conditioning was standard and there was a specially-fitted-out fascia/instrument panel with a radio/cassette unit in the centre console.

### June 1993

Two novelties and one re-introduction – the standardisation of rear-wheel disc brakes, and the re-introduction of the short-wheelbase seven-seater Station Wagon, plus the launch of the 90SV 'fun' Land Rover.

The braking system was thoroughly revised, for to match the rear discs, the front discs became the ventilated type on 110s and 'High Load Suspension' 90s, too. The 90SV (SV = Special Vehicles) was the very first 'fun' or 'life-style' Land Rover. The 90SV was based on the shorter-wheelbase Defender chassis, with an open pick-up body style and the 200Tdi turbo-diesel. Supplied with a full roll cage and often sold with Discovery-type alloys (optional), the 90SV sold only slowly. By 1996 it had disappeared.

### NAS Defender 90

The car which Land Rover engineers dubbed NAS90 was meant to a limited-edition model, but figured strongly in North American until 1999. This short wheelbase machine was an open-top pick-up: a limited-edition, 500-off, Station Wagon type was available in 1995.

All the best technical features of the NAS Defender 110 went into the shorter chassis, with the 182bhp/3.9-litre V8 engine. The extras list was colossal, and included air-conditioning.

### March 1994

From this point, the Defender was equipped with a revamped turbo-diesel engine (300Tdi) and a revised five-speed gearbox (R380).

Although the new 300Tdi still kept the old bore and stroke dimensions and was a 2495cc engine, it had an extra four horsepower and seven more lb.ft of torque. There were 208 new components, including a new cylinder head, pistons, con-rods, turbocharger, exhaust manifold and fuel injectors.

This new package had evolved to provide lower noise levels, lower diesel exhaust emissions, easier manufacture and easier maintenance (and it was also to be used in the Discovery). Even so, this engine would have a short life – the Td5 five-cylinder in-line unit arrived in late 1988.

### R380 transmission

This was a more robust transmission with a much higher torque capacity and was a new, all-can-do, manual transmission intended for every existing (and immediately planned) 4x4 in Solihull's range. It was an all-synchromesh transmission, with synchromesh on reverse gear, a re-arranged 'gate' pattern and a much slicker change 'feel'.

### Td5 – a new five-cylinder diesel

At the end of 1998, there was another engine change for the Defender – an all-new 5-cylinder diesel. Related closely to the Rover four-cylinder L-Series diesel of the new Freelander, and also used in the new-generation Discovery II, it was a real advance for the Defender. No sooner had the new Td5 been launched in the Defender, than the four-cylinder 300Tdi was dropped from European-specification cars, though it remained available for other, non-USA, markets.

Although it was also a 2495cc power unit, it was not at all related to the outgoing 300Tdi engine – with five cylinders instead of four cylinders it could not be. The new engine was a snug, but still comfortable, fit into the Defender's engine bay, and was not only smoother but more fuel-efficient than the older 300 Tdi variety (independent road tests proved this), and became the corner stone of the early-21<sup>st</sup> century Defender product line. Soon it became the only engine available in this big line-up.

It was also much more powerful than the 300Tdi:

New Td5	122bhp
300Tdi 4-cyl	111bhp

### Defender for the 2000s

By the dawn of the new Century, the Defender was looking distinctly venerable, yet demand was still robust. The latest model, of course, was already very different from the original of 1989/1990, and much more advanced than the original Ninety/One-Ten types of the mid-1980s, yet its character - and certainly its heritage - could still be related, directly, to the first-ever Land Rovers of the late 1940s.

Changes, though, continued to come through and many more, no doubt, will follow before the Defender is finally retired with honour. For 2003 – twenty years after launch of the Ninety - novelties included central door locking, electric front window lifts, and the option of four-channel ABS braking, along with new colour/trim specifications.

Now is the time, for sure, to recall what Land Rover once boasted in the 1950s :

***"When better Land Rovers are made, the Rover company will make them."***



# VEHICLE PRODUCTION & SPECIFICATION SUMMARY

## VEHICLE IDENTIFICATION

To ensure the parts that you order are correct for your vehicle, you will need to know exactly when the vehicle was manufactured. Although the registration document will tell you when it was first *registered*, this may have been some time after it was actually built.

The most accurate way to determine your Land Rover's age (as well as information relating to its specification) is by the chassis - or VIN - number.

You can find this number on your registration document and on two different places on the vehicle:

1. On a plate riveted inside the engine bay.
2. Stamped onto the vehicle's chassis.

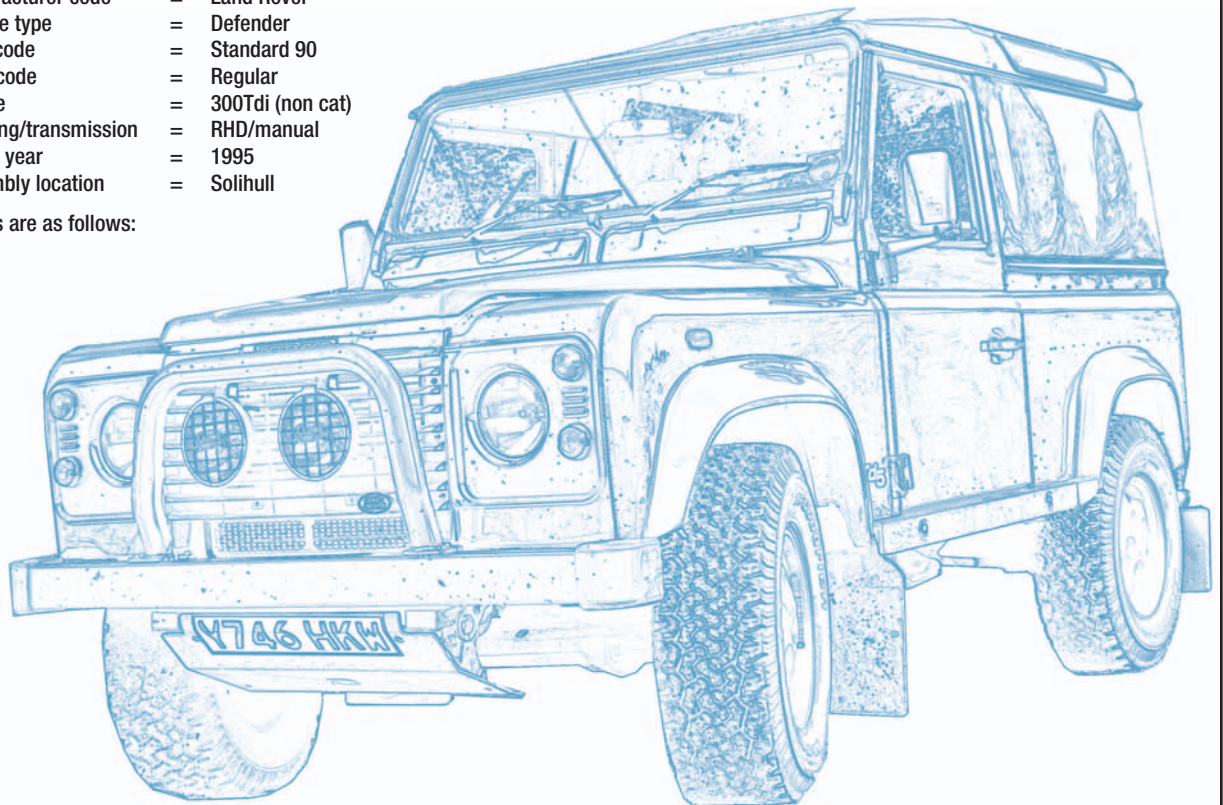
The VIN number contains details about where your vehicle was made, the year of manufacture and also the original specification. For example, a typical VIN for a 1995 300Tdi Defender Ninety would begin **SALLDVAF7MA** followed by the 6-figure serial number. This information is broken down as follows:

<b>SAL</b>	Manufacturer code	=	Land Rover
<b>LD</b>	Vehicle type	=	Defender
<b>V</b>	Type code	=	Standard 90
<b>A</b>	Body code	=	Regular
<b>F</b>	Engine	=	300Tdi (non cat)
<b>7</b>	Steering/transmission	=	RHD/manual
<b>M</b>	Model year	=	1995
<b>A</b>	Assembly location	=	Solihull

Model year codes are as follows:

<b>AA</b>	1984
<b>BA</b>	1985
<b>CA</b>	1986
<b>DA</b>	1987
<b>EA</b>	1988
<b>FA</b>	1989
<b>GA</b>	1990
<b>HA</b>	1991
<b>JA</b>	1992
<b>KA</b>	1993
<b>LA</b>	1994
<b>MA</b>	1995
<b>TA</b>	1996
<b>VA</b>	1997
<b>WA</b>	1998
<b>XA</b>	1999
<b>YA</b>	2000
<b>1A</b>	2001
<b>2A</b>	2002
<b>3A</b>	2003
<b>4A</b>	2004

**Please Note:** throughout this catalogue we refer to VIN numbers and parts that relate to them. The part numbers listed are for **original specification vehicles**, i.e., as they left the factory. If your vehicle has been modified in any way (eg. engine, gearbox, axle transplants), then care should be taken in ordering the correct parts.



ENGINE & TRANSMISSION	2.25 petrol	2.5 petrol	2.25 diesel	2.5 NA diesel	2.5 TD	200 & 300tdi	Td5
Engine capacity	2286cc	2495cc	2286cc	2495cc	2495	2495cc	2495cc
Cylinders	4	4	4	4	4	4	5
Bore	90.47mm	90.47mm	90.47mm	90.47mm	90.47mm	90.47mm	84.5mm
Stroke	88.90mm	97.00mm	88.90mm	97.00mm	97.00mm	97.00mm	89.00mm
Compression ratio	8:1	8:1	23:1	21:1	21:1	19.5:1	19.5:1
Max power (bhp)	74 @ 4000rpm	83 @ 4000rpm	60 @ 4000rpm	67 @ 4000rpm	85 @ 4000rpm	111.3 @ 4000rpm	122 @ 4200rpm
Max torque (lb/ft)	120 @ 2000rpm	133 @ 2000rpm	103 @ 1800rpm	114 @ 1800rpm	115 @ 1800rpm	195 @ 1800rpm	195 @ 1950rpm

**Transmission - all models\***  
(\*Except early 4-speed manual 110 & V8 efi auto)

5 speed manual gearbox with separate transfer gearbox, featuring 2-speed reduction and permanent 4WD via third differential, which can be mechanically locked or unlocked by the driver.

PERFORMANCE 0-60mph	2.25 petrol	2.5 petrol	2.25 diesel	2.5 NA diesel	2.5 TD	200 & 300tdi	Td5
Top speed (mph)	70	75	70	70	80	80	87
Ave fuel cons (mpg)	18-23	18-23	20-25	23-28	21-27	22-28	26-28

DIMENSIONS	90		110		130	
Weight (kg)	1652-1751		1821-2015		2066-2133	
Length	3722mm (soft top), 3883mm (hard top*)		4438mm (soft top), 4599mm (hard top*)		5152mm	
Width	1790mm		1790mm		1790mm	
Height	1963-2061mm (depending on tyres)		2060mm		2060mm	
Wheelbase	2360mm (92.9")		2794mm (110")		3226mm (127")	

\*Hard top models with rear-mounted spare.



## Filters



Oil filter;

all engines except Td5 <i>Including 4 cyl petrol, 4 cyl diesel &amp; V8 engines.</i>	(1)	<b>ERR3340</b>
Td5 only	(1)	<b>LPX100590</b>

Sump plug washer;

petrol engines		
2.25 & 2.5 4 cyl	(1)	<b>FRC4808</b>
V8	(1)	<b>603659</b>
diesel engines		
2.5 NA & 2.5 TD engines	(1)	<b>FRC4808</b>
200Tdi	(1)	<b>ETC7398</b>
300Tdi	(1)	<b>ALU1403</b>
Td5	(1)	<b>CDU1001</b>



**AIR CLEANER - 4 CYLINDER**

Air filter element;

4 cyl petrol engines	(1)	<b>NRC9238</b>
V8		
twin carb	(1)	<b>RTC3479</b>
efi	(1)	<b>RTC4683</b>
diesel models		
2.5 NA & 2.5 TD	(1)	<b>NRC9238</b>
200Tdi	(1)	<b>NTC6660</b>
300Tdi	(1)	<b>ESR2623</b>
Td5	(1)	<b>ESR4238</b>

Fuel filter element;

petrol engines		
4 cyl engines	(1)	<b>JS660L</b>
V8		
twin carburettor	(1)	<b>JS660L</b>
efi	(1)	<b>ESR4065</b>
diesel engines		
2.5 NA & 2.5 TD engines	(1)	<b>GFE5296</b>
200/300Tdi - unheated <i>Includes seal.</i>	(1)	<b>AEU2147</b>
Td5	(1)	<b>ESR4686</b>

Seal - fuel filter element;

4 cyl petrol engines & V8 twin carb		
upper seal	(1)	<b>JS657L</b>
lower bolt seal		
inner	(1)	<b>AEU1147</b>
outer	(1)	<b>606207</b>
2.5 NA & 2.5 TD engines		
upper	(1)	<b>AAU9903</b>
lower	(1)	<b>AAU9902</b>
drain plug	(1)	<b>605011</b>
'O' ring	(1)	<b>37H575</b>

## Ignition Components

Distributor cap;

2.25 petrol engine		
Lucas	(1)	<b>RTC3278</b>
Ducellier	(1)	<b>RTC4932</b>
2.5 petrol engine	(1)	<b>RTC3278</b>
V8 - all models	(1)	<b>GDC117P</b>

Rotor arm;

2.25 petrol engine		
Lucas	(1)	<b>RTC3614</b>
Ducellier	(1)	<b>RTC4933</b>
2.5 petrol engine	(1)	<b>RTC3614</b>
V8 - all models	(1)	<b>GRA117P</b>

Contact breaker set (points);

2.25 petrol engine		
Lucas	(1)	<b>RTC6627</b>
Ducellier	(1)	<b>RTC6625</b>
2.5 petrol engine	(1)	<b>RTC6627</b>
<i>Sliding and fixed contact.</i>		
V8 - where applicable	(1)	<b>GCS2117</b>

Condenser;

2.25 petrol engine		
Lucas	(1)	<b>RTC6621</b>
Ducellier	(1)	<b>RTC4935</b>
2.5 petrol engine	(1)	<b>RTC6621</b>
V8	(1)	<b>RTC3472</b>

Plug lead set;

4 cyl petrol engines	(1)	<b>ERC3256</b>
V8		
all models <i>except</i> V8 efi		
original	(1)	<b>RTC6551</b>
performance (silicone)	(1)	<b>GHT182S</b>
V8 efi		
original	(1)	<b>RA1340</b>
performance (silicone)	(1)	<b>RA1340S</b>

Spark plug;

2.25 petrol engine		
8:1 compression ratio	(4)	<b>RTC3570</b>
7:1 compression ratio	(4)	<b>RTC3571</b>
2.5 petrol engine	(4)	<b>ERR743</b>
V8		
3.5 litre low compression		
standard	(8)	<b>GSP4382</b>
performance	(8)	<b>GSP4382HP</b>
3.9 litre		
high compression & non-catalyst		
- standard	(8)	<b>GSP6462</b>
- performance	(8)	<b>GSP6462HP</b>
low compression & catalyst		
- standard	(8)	<b>GSP4382</b>
- performance	(8)	<b>GSP4382HP</b>
V8 efi		
standard	(8)	<b>GSP6462</b>
performance	(8)	<b>GSP6462HP</b>

Spark plug spanner

	(1)	<b>GAT140</b>
--	-----	---------------

Ignition coil;

4 cyl petrol engines	(1)	<b>PRC9858</b>
V8		
conventional coil		
Lucas	(1)	<b>RTC5628</b>
Bosch	(1)	<b>PRC6574</b>
<i>Note: Lucas &amp; Bosch coils are interchangeable.</i>		
coil pack - V8 efi	(1)	<b>ERR6269</b>
<i>Distributor-less engines.</i>		

Glow plug - diesel engine;

2.5 NA & TD engines	(4)	<b>ERC8450</b>
200/300Tdi	(4)	<b>ETC8847</b>
Td5	(5)	<b>ERR6066</b>



## Drivebelts

Drive belt - water pump;

2.25 petrol engines	(1)	<b>563132</b>
2.5 petrol engine		
non air con	(1)	<b>563132</b>
air con	(1)	<b>ERC8938</b>
2.5 NA diesel engine		
non air con	(1)	<b>563132</b>
air con	(1)	<b>ETC7939</b>
2.5 TD diesel engine	(1)	<b>ETC7939</b>
<i>Air con &amp; non air con.</i>		
200Tdi	(1)	<b>ETC7939</b>
300Tdi - serpentine ancillary belt		
to eng.no. 16L25164	(1)	<b>ERR3287</b>
eng.no 16L25165 on	(1)	<b>ERR5911</b>
Td5 - serpentine ancillary belt		
non air conditioning	(1)	<b>PQS101490</b>
with air conditioning	(1)	<b>PQS101500</b>
V8		
carb engines		
non air con	(1)	<b>ETC7394</b>
air con	(1)	<b>614670</b>
efi engines	(1)	<b>ERR5579</b>
<i>Serpentine belt.</i>		

Tensioner - serpentine belt;

300Tdi	(1)	<b>ERR4708</b>
Td5	(1)	<b>ERR6951</b>
V8	(1)	<b>ERR3440</b>

Drive belt - power steering;

*Note: please check your vehicle before ordering. Some vehicles have a fixed pump mounting along with an idler pulley for belt tension adjustment. As an alternative, some vehicles have a slotted pump mounting bracket for belt tension adjustment.*

4 cyl petrol engines		
with idler pulley	(1)	<b>ETC4272</b>
with adjustable pump	(1)	<b>ETC5815</b>
2.5 NA diesel engine		
with idler pulley		
non air conditioning	(1)	<b>ERC5146</b>
with air conditioning	(1)	<b>ETC4272</b>
with adjustable pump	(1)	<b>ETC5815</b>
2.5 TD & 200Tdi engines	(1)	<b>ETC5815</b>
300Tdi - <i>see</i> serpentine drive belt.		
V8 - all carb models	(1)	<b>ERC675</b>

'Serpentine' drive belt;

*Single belt driving all ancillary components.*

300Tdi - serpentine ancillary belt		
to eng.no. 16L25164	(1)	<b>ERR3287</b>
eng.no 16L25165 on	(1)	<b>ERR5911</b>
Td5 - serpentine ancillary belt		
non air conditioning	(1)	<b>PQS101490</b>
with air conditioning	(1)	<b>PQS101500</b>
V8		
carb engines		
non air con	(1)	<b>ETC7394</b>
air con	(1)	<b>614670</b>
efi engines	(1)	<b>ERR5579</b>
<i>Serpentine belt.</i>		

**MORE STOCK EVERY DAY**

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.

DESCRIPTION QTY REQ. PART No.

## Engines - 4 Cylinder Petrol

Rimmer Bros are an appointed distributor for Europower, an ISO9002 accredited company who feature quality control throughout the remanufacturing process. We can offer superb availability on all Powerseal™ short, stripped, complete or turn-key engines and cylinder heads, ensuring rapid despatch and delivery.

### SPECIFICATIONS

**Short Engine** Comprises block, crank, pistons and con rods (assembled).

**Stripped Engine** As short engine plus cylinder head, sump, rocker cover, front and rear engine plates (assembled). Less all ancillaries.

**Complete Engine** As stripped engine plus fuel system and certain ancillaries. Dyno tested. Less flywheel, manifolds, timing cover and pulleys. Please enquire for specifications & prices.

**Turn-Key Engine** Complete engine, ready to go. Please enquire for specifications & prices.

### RECONDITIONING PROCESS

All units are built using quality parts. The following components are replaced (where applicable): pistons, rings, bearings, seals, gaskets, cam and followers, valves, springs, seats, valve guides (bronze liners), rocker shafts, pre-combustion chambers, oil pump gears & relief valve and core plugs.

Heat tabs are fitted to detect overheating (warranty validation). Cylinder blocks are pressure tested, fully machined and fitted with new cam bearings. Con rods are crack-tested and matched. Crankshafts are crack-tested and re-ground. All units are finished and presented to a very high standard and are sold on an exchange basis.

2.25 petrol engine;		
3 main bearings		
short engine	(1)	LL1243R
stripped engine	(1)	LL1244R
5 main bearings		
short engine	(1)	LL1245R
stripped engine	(1)	LL1246R
2.5 petrol engine		
short engine	(1)	LL1247R
stripped engine	(1)	LL1248R

**MORE STOCK  
EVERY DAY**

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.

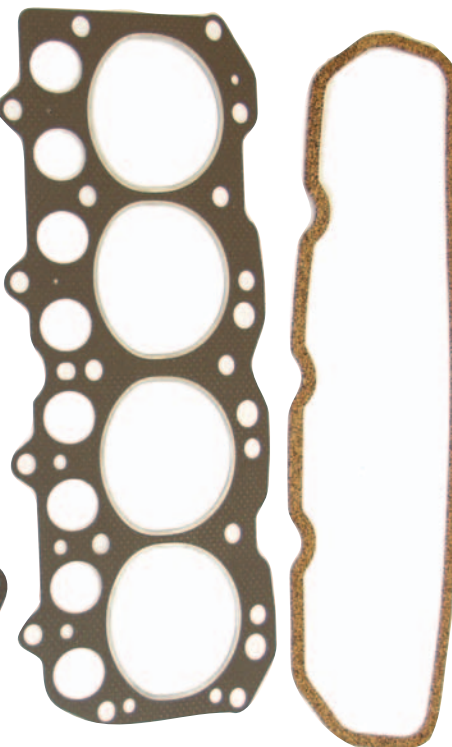


DESCRIPTION QTY REQ. PART No.

## Engine Components - 4 Cylinder Petrol

All parts listed are suitable for both 2.25 & 2.5 petrol engines unless otherwise stated.

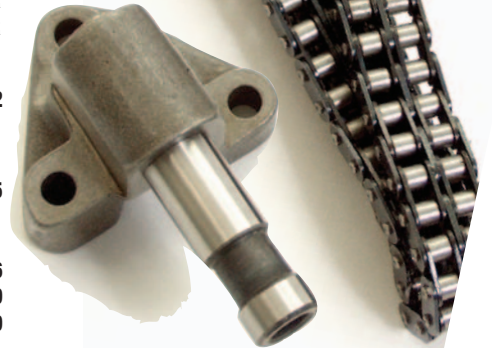
Cylinder head - unleaded;		
2.25 - complete assembly		
standard recon	(1)	LL1249R
Performance recon	(1)	LL1249RUR
2.5 - complete assembly		
standard recon	(1)	LL1250R
Performance recon	(1)	LL1250RUR
Cam bearing set	(1)	LL1071
Engine set of (4) cam bearings.		
Core plug set	(1)	LL1072
Engine set of core plugs.		
'O'-ring - inlet manifold connector(1)		ERR531
2.5 petrol engine.		
Gasket - side cover - block	(1)	ERR1475
Main bearings - engine set;		
2.25 petrol engine		
standard size	(1)	RTC2626
0.010" undersize	(1)	RTC262610
0.020" undersize	(1)	RTC262620
2.5 petrol engine		
up to engine number 17H 25700C		
standard size	(1)	RTC2992
0.010" undersize	(1)	RTC299210
0.020" undersize	(1)	RTC299220
engine number 17H 25701C on		
standard size	(1)	STC3395
0.010" undersize	(1)	RTC478310
Thrust washer set (pair);		
standard size	(1)	RTC2825
0.025" oversize	(1)	538131
0.050" oversize	(1)	538132
0.075" oversize	(1)	538133
0.10" oversize	(1)	538134
Big end bearings - engine set;		
2.25 petrol engine		
standard size	(1)	RTC1730
0.010" undersize	(1)	RTC173010
0.020" undersize	(1)	RTC173020
0.030" undersize	(1)	RTC173030
0.040" undersize	(1)	RTC173040
2.5 petrol engine		
standard size	(1)	RTC2993
0.010" undersize	(1)	RTC299310



HEAD GASKET SET (STC1640)

DESCRIPTION QTY REQ. PART No.

## TIMING CHAIN & TENSIONER



Little end bush - conrod	(4)	528004
Piston rings (per piston);		
2.25 petrol engine		
standard size	(4)	RTC4190S
0.020" oversize	(4)	RTC419020
0.040" oversize	(4)	RTC419040
2.5 petrol engine		
standard size	(4)	STC199
0.020" oversize	(4)	STC19920
Oil seals - crankshaft;		
2.25 petrol engine		
front crankshaft seal		
single lip seal		
- non air con	(1)	ERC7987A
- with air con	(1)	90516028
twin lip seal	(1)	ETC5187
Air con & non air con.		
rear crankshaft seal	(1)	ERR2532
2.5 petrol engine		
front crankshaft seal		
single lip seal		
- non air con	(1)	ERC7987A
- with air con	(1)	90516028
twin lip seal	(1)	ETC5187
Air con & non air con.		
rear crankshaft seal	(1)	ERR2532
Oil pump assembly	(1)	ERR1117
Oil filter	(1)	ERR3340
Gasket - oil pump assembly	(1)	ERR8408
Sump gasket	(1)	546841
Sump plug washer	(1)	FRC4808
Front cover gaskets;		
main gasket - front cover	(1)	538039
coolant pump body gasket	(1)	ERR1607
water gallery plate gasket	(1)	542636
Timing chain;		
2.25 petrol engine		
spring tensioner type	(1)	ETC4499
mechanical tensioner type	(1)	ETC5191
2.5 petrol engine	(1)	ETC5191
Tensioner - timing chain;		
2.25 petrol engine		
spring tensioner type	(1)	247912
mechanical tensioner type	(1)	ETC5190
2.5 petrol engine	(1)	ETC5190
Cylinder head gasket	(1)	ERC6380
Rocker cover gasket	(1)	ERR4933
'O'-ring seals - rocker cover;		
2.25 petrol engine		
oil filler cap	(1)	564258
oil breather cap	(1)	574658
2.5 petrol engine	(1)	ERR736
Head gasket set	(1)	STC1640
Lower engine gasket set	(1)	STC1467

TO ORDER CALL 01522 568000

## Engines - 4 Cylinder Diesel

Rimmer Bros are an appointed distributor for Europower, an ISO9002 accredited company who feature quality control throughout the remanufacturing process. We can offer superb availability on all Powerseal™ short, stripped, complete or turn-key engines and cylinder heads, ensuring rapid despatch and delivery.

### SPECIFICATIONS

**Short Engine** Comprises block, crank, pistons and con rods (assembled).

**Stripped Engine** As short engine plus cylinder head, sump, rocker cover, front and rear engine plates (assembled). Less all ancillaries.

**Complete Engine** As stripped engine plus fuel system and certain ancillaries. Dyno' tested. Less flywheel, manifolds, timing cover and pulleys. Please enquire for specifications & prices.

**Turn-Key Engine** Complete engine, ready to go. Please enquire for specifications & prices.

### RECONDITIONING PROCESS

All units are built using quality parts. The following components are replaced (where applicable): pistons, rings, bearings, seals, gaskets, cam and followers, valves, springs, seats, valve guides (bronze liners), rocker shafts, pre-combustion chambers, oil pump gears & relief valve and core plugs.

Heat tabs are fitted to detect overheating (warranty validation). Cylinder blocks are pressure tested, fully machined and fitted with new cam bearings. Con rods are crack-tested and matched. crankshafts are crack-tested and re-ground. All units are finished and presented to a very high standard and are sold on an exchange basis.

2.25 diesel engine;		
3 main bearings	(1)	LL1234R
short engine	(1)	LL1235R
stripped engine		
5 main bearings		
short engine	(1)	LL1236R
stripped engine	(1)	LL1237R
2.5 (Non turbo) engine		
short engine	(1)	LL1238R
stripped engine	(1)	LL1239R
2.5TD engine		
short engine	(1)	LL1240R
stripped engine	(1)	LL1241R
200Tdi engine		
short engine	(1)	RTC6635R
stripped engine	(1)	STC1065R
300Tdi engine		
short engine	(1)	STC1675R
stripped engine	(1)	STC1736R

## Engine Components - 4 Cylinder Diesel

Parts listed are common to all 4 cylinder diesel engines unless otherwise shown.

Cylinder head;		
2.25 - complete, recon	(1)	LL1253R
2.5 (Non turbo) - complete, recon	(1)	LL1254R
2.5TD - complete, recon	(1)	LL1255R
200Tdi		
bare, new	(1)	RTC6896
complete, new	(1)	RTC6896N
complete, recon	(1)	RTC6896R
300Tdi		
bare, new	(1)	ERR5027
complete, new	(1)	ERR5027N
complete, recon	(1)	ERR5027R
Cam bearing set	(1)	LL1071
Engine set of (4) cam bearings.		
Suitable for 2.5 (NA & TD) and 200/300Tdi engines.		
Core plug set;		
Engine set of core plugs.		
2.5 NA & 2.5 TD	(1)	LL1079
200/300Tdi	(1)	LL1080
'O'-ring - inlet manifold connector	(1)	ERR531
Eng.no. 12J 43825C on (2.5 NA) & 19J 27515C on (2.5 TD).		
Gasket - side cover - block	(1)	ERR1475
4 cylinder diesel engines only.		
Gasket - turbo drain pipe - 300Tdi(1)		ERR1653

Main bearings - engine set;		
2.5 NA		
up to engine number 12J 43824C		
standard size	(1)	RTC2992
0.010" undersize	(1)	RTC299210
0.020" undersize	(1)	RTC299220
engine number 12J 43825C on		
standard size	(1)	STC3395
0.010" undersize	(1)	RTC478310
2.5 TD & 200/300Tdi		
standard size	(1)	STC3395
0.010" undersize	(1)	RTC478310
Thrust washer set (pair);		
standard size	(1)	RTC2825
0.025" oversize	(1)	538131
0.050" oversize	(1)	538132
0.075" oversize	(1)	538133
0.10" oversize	(1)	538134
Big end bearings - engine set;		
standard size	(1)	RTC2993
0.010" undersize	(1)	RTC299310
Little end bush - conrod;		
2.5 NA & 2.5 TD engines	(4)	247583
200Tdi	(4)	ETC7286
300Tdi	(4)	ERR2419
Piston rings (per piston);		
2.5 NA		
standard size	(4)	RTC4778S
0.020" oversize	(4)	RTC477820
0.040" oversize	(4)	RTC477840
2.5 TD		
standard size	(4)	RTC6174S
0.020" oversize	(4)	RTC617420
200Tdi		
standard size	(4)	RTC6457
0.020" oversize	(4)	RTC645720
0.040" oversize	(4)	RTC645740
300Tdi	(4)	STC958
<b>Oil Seals</b>		
Oil seals - engine;		
front crankshaft oil seal;		
2.5 NA & 2.5 TD		
inner	(1)	ERR6490
outer	(1)	ETC4154
200Tdi		
inner	(1)	ERR6490
outer	(1)	ETC4154
300Tdi		
inner	(1)	ERR4575
outer	(1)	ERR7143
rear crank seal - all engines	(1)	ERR2532
camshaft seal;		
all engines except 300Tdi	(1)	ETC5064
300Tdi only	(1)	ERR3356
'O'-ring - crank pulley (300Tdi)(1)		ERR4710
<b>Oil Pump</b>		
Oil pump assembly;		
2.5 NA & 2.5 TD engines	(1)	ERR1117
200Tdi	(1)	ERR1178
Oil pump rotor gears - 300Tdi	(pr)	STC3407
Inside timing cover.		
Oil filter - all 4 cyl.diesel engines	(1)	ERR3340
Gasket - oil pump assembly	(1)	ERR8408
All diesel engines.		
Sump gasket (not Tdi)	(1)	546841
Sump plug washer;		
2.5 NA & 2.5 TD engines	(1)	FRC4808
200Tdi	(1)	ETC7398
300Tdi	(1)	ALU1403L



## Timing Belt

Timing belt;		
2.5 NA & 2.5 TD	(1)	ETC7333
200Tdi	(1)	ETC8550
300Tdi	(1)	ERR1092
Tensioner - timing belt;		
2.5 NA & 2.5 TD	(1)	ERC8861
200Tdi	(1)	ERR2530
300Tdi		
to VIN VA117353	(1)	ERR1972
VIN VA117354 on	(1)	LHP100860
Timing belt conversion kit		
300Tdi	(1)	STC4096L

## Turbocharger

See page 11 for Td5 turbocharger. See also 'Accessories'.

Turbocharger assembly;		
2.5 TD	(1)	STC99
200Tdi	(1)	ETC8751
300Tdi	(1)	ERR4802
Complete with exhaust manifold.		
Gasket - turbo;		
turbo to exhaust manifold		
2.5 TD	(1)	ETC5710
200Tdi	(1)	ETC5710
turbo to elbow		
2.5 TD	(1)	ETC5898
200Tdi	(1)	ETC5898
Actuator - wastegate - 300Tdi	(1)	STC3084

## Gaskets

Front cover gaskets;		
2.5 NA & 2.5 TD		
front cover inner gasket	(1)	538039
coolant pump body gasket	(1)	ERR1607
front cover outer gasket	(1)	ERR3616
front cover lower gasket	(1)	ERR3615
cover plate gasket	(1)	ERR3614
Small circular plate on outer cover.		
200Tdi		
front cover inner gasket	(1)	538039
coolant pump body gasket	(1)	ERR1607
front cover outer gasket	(1)	ERR1553
cover plate gasket	(1)	ERR635
Small circular plate on outer cover.		
300Tdi		
front cover inner gasket	(1)	ERR4860
front cover outer gasket	(1)	ERR7293
cover plate gasket	(1)	ERR7250
Small circular plate on outer cover.		
Cylinder head gasket;		
2.5 NA & 2.5 TD engines	(1)	ERR3618
200/300Tdi		
1 hole (1.30mm)	(1)	ERR5261
2 holes (1.40mm)	(1)	ERR5262
3 holes (1.50mm)	(1)	ERR5263
Rocker cover gasket;		
2.5 NA & 2.5 TD engines	(1)	ETC6438
200Tdi	(1)	ERR2393
300Tdi	(1)	ERR2409
'O'-ring seal - oil filler cap	(1)	ERR736
Head gasket set;		
2.5 NA engine	(1)	STC1562
2.5 TD engine	(1)	RTC5774
200Tdi	(1)	STC1172
300Tdi	(1)	STC2802
Lower engine gasket set;		
2.5 NA engine	(1)	STC1559
2.5 TD engine	(1)	STC1558
200Tdi	(1)	STC1557
300Tdi	(1)	STC2801

DESCRIPTION	QTY REQ.	PART No.	DESCRIPTION	QTY REQ.	PART No.	DESCRIPTION	QTY REQ.	PART No.
<b>Engine Components - TD5 Diesel</b>								
Short Engine (all) <i>Exchange.</i>	(1)	<b>LBB001200R</b>	Sump plug washer	(1)	<b>CDU1001</b>	Timing chain & sprocket kit	(1)	<b>LHA000030</b>
Stripped Engine <i>Exchange.</i>			'O'-ring - oil pick-up pipe	(1)	<b>ERR6401</b>	Tensioner - timing chain; to VIN ECD3	(1)	<b>LHP000090</b>
Early (to 1A622423)	(1)	<b>LBB001180R</b>	Oil filter	(1)	<b>LPX100590</b>	VIN ECD3 on	(1)	<b>LHP000080</b>
Late (from 2A622424)	(1)	<b>LBB001190R</b>	Oil seals - engine; crankshaft			Tensioner arm - timing chain	(1)	<b>LGQ000020</b>
Cylinder head, complete recon; up to VIN 1A622423	(1)	<b>LDF107860R</b>	front seal	(1)	<b>ERR5992</b>	Oil pump chain & sprocket set	(1)	<b>LQX100130</b>
VIN 2A622424 on	(1)	<b>LDF000890R</b>	rear seal	(1)	<b>LUF100420</b>	Turbocharger - Td5	(1)	<b>PMF000040</b>
Gaskets - engine;			camshaft			Wastegate control unit - turbo	(1)	<b>PMK100130</b>
sump gasket	(1)	<b>LVF500040</b>	front seal	(1)	<b>LDI100030</b>	Hose - wastegate (vacuum)	(1)	<b>PNH101570</b>
oil pump to block gasket	(1)	<b>LVG100340</b>	rear seal	(1)	<b>ERR5369</b>			
cylinder head gasket			Core plug set	(1)	<b>LL1081</b>			
1 hole (1.27mm)	(1)	<b>LVB000250</b>	Main bearings - engine set	(1)	<b>STC3299</b>			
2 holes (1.20mm)	(1)	<b>LVB000240</b>	Thrust washer set (pair)	(2)	<b>ERR5345</b>			
3 holes (1.35mm)	(1)	<b>LVB000260</b>	Big end bearings - engine set	(1)	<b>STC3300</b>			
cam cover gasket	(1)	<b>ERR7094</b>	Little end bush - conrod	(5)	<b>ERR6978</b>			
oil separator gasket <i>Cam cover.</i>	(1)	<b>ERR7155</b>	Piston rings (per piston); to eng.no.10P13888B	(5)	<b>LFT100300</b>			
oil cooler adaptor gasket	(1)	<b>ERR7220</b>	eng.no.10P13889B on	(5)	<b>STC4668</b>			
oil filter housing gasket	(1)	<b>LVH100230</b>	Bearing - viscous fan <i>Located in engine front cover.</i>	(1)	<b>ERR5285</b>			
			Circlip - viscous fan bearing	(1)	<b>CR110625</b>			

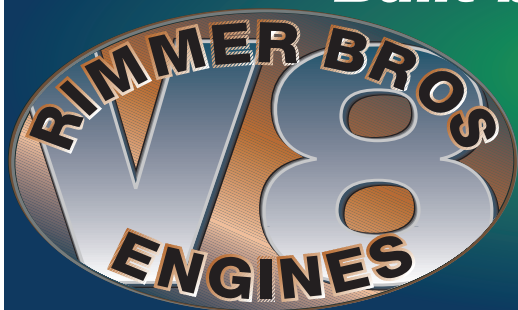
**MORE STOCK  
 EVERY DAY**

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.



# RIMMER BROS V8

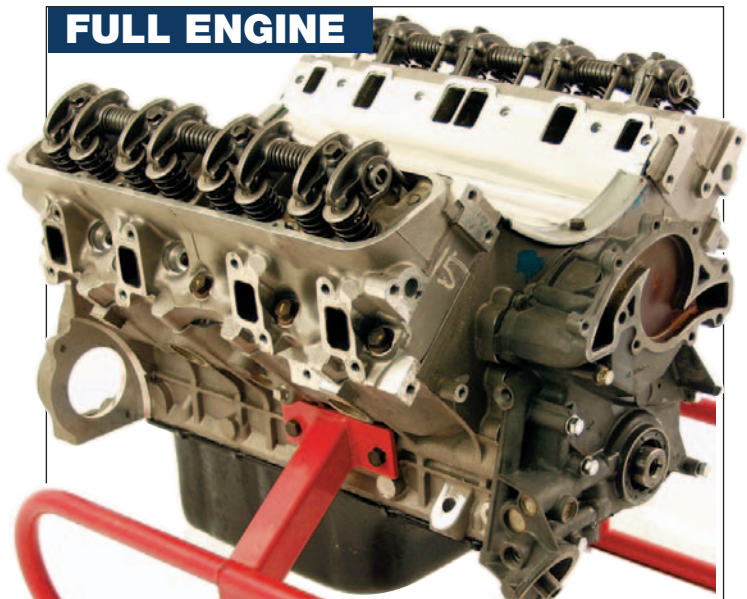
*Built by Race Engineers*



**QUALITY, PERFORMANCE  
& ENGINEERING EXCELLENCE  
AT AN AFFORDABLE PRICE.**

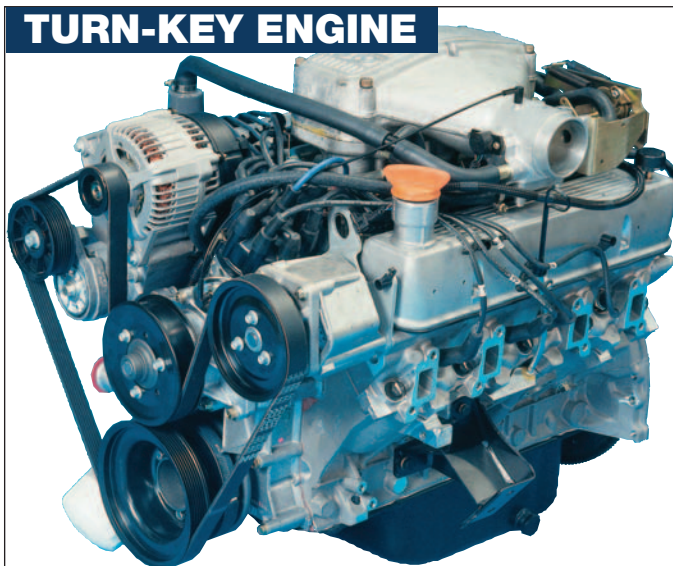
## Engine Definitions

### FULL ENGINE



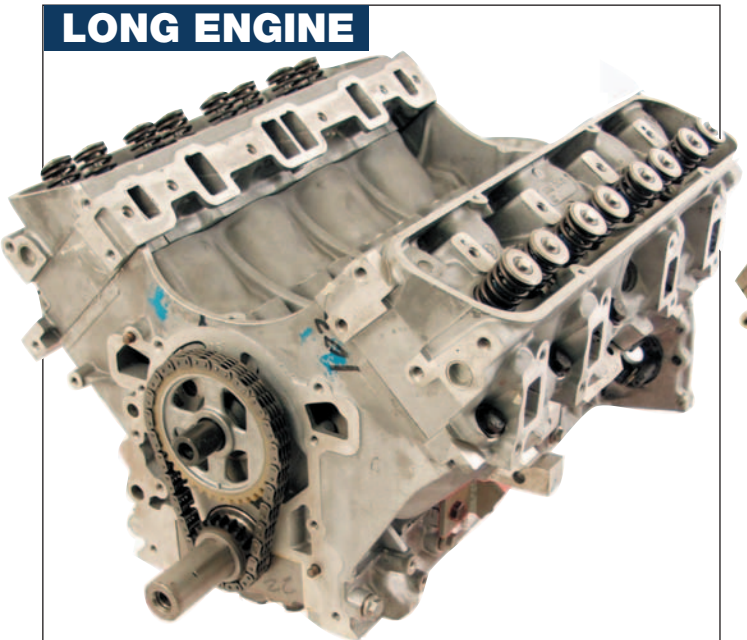
**Full engine** - Built-up engine assembly, comprising block (crank, rods & pistons), cylinder heads (valves, guides & springs), camshaft & timing gear, rocker gear, pushrods and fitted sump, timing cover and oil pump. Full engines are either bench-run or dyno tested.

### TURN-KEY ENGINE



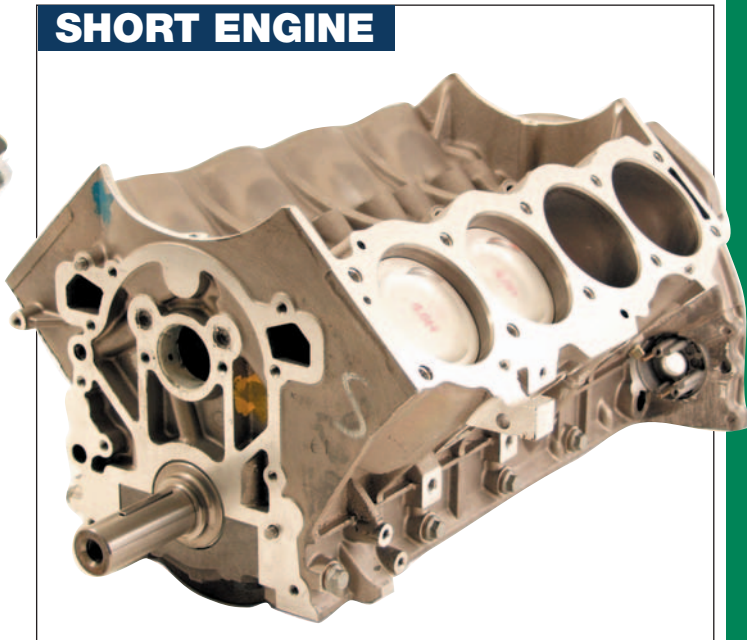
**Turn-key engine** - Ready-to-install, built-up engine assembly, complete with all ancillary components, fuel system & engine mountings. Turn-key engines can also be supplied dyno-run. Please contact us for a quotation based on either one of our Standard or Performance Full engines with your choice of fuel system and ancillary components.

### LONG ENGINE



**Long engine** - Built-up block & cylinder heads assembly, including crank, rods & pistons, valves, guides & springs (less rocker gear), plus camshaft, followers & timing gear.

### SHORT ENGINE



**Short engine** - Built-up block assembly, comprising crank, rods & pistons.

## Defender - V8

The Land Rover 90 & 110 were available from 1985 fitted with the Rover V8 engine. A factory-fresh, 3.5 litre low-compression, carburettor-fed V8 90 or 110 produced 134bhp and 187 lb/ft torque, which were reasonably impressive figures by the standards of the day. However, it took little time for enthusiasts to realise that these figures could easily be improved upon, using already well-established tuning methods. Furthermore, the 90 & 110 were quite capable of handling an increase in power and torque.

Unfortunately - for the UK market at least - it seemed that Land Rover themselves were slow to catch on, and while Range Rover and Discovery received ever bigger and better engines, the humble 90 & 110 had to make do with the same old under-stressed, carb-fed 3.5 litre unit.

As a result, legions of enthusiastic owners have carried out their own Rover V8 transplants, starting with either an original V8 Land Rover or a 4 cylinder petrol or diesel vehicle and using Rover SD1 Vitesses, Range Rovers, Discoverys and even TVRs as a source of the V8 engines.

Eventually - in 1998 - Land Rover followed suit and announced the 50th Anniversary Collector's Edition Defender - a special 90 with a 4.0 litre efi engine and automatic transmission.

As a result of all this potential confusion - and as we specialise in the supply of Rover/Land Rover V8 engines and components anyway - we thought the only way to tackle the V8 section was to include our comprehensive V8 parts listing in its entirety. That way, if you have either an original or converted V8 90/110/Defender, you should be able to find the parts you need in these pages. Alternatively, if you have either an original or a converted 90/110/Defender that you'd like to improve, here's the place to start!

Please note: due to the huge number of variations in engine types and components, we have tried to clearly differentiate between original (UK-market) factory applications and non-original.

For engine components for the Defender 50 4.0 litre efi, please refer to Series 2 Range Rover 4.0 litre parts, as engine components are common to these two vehicles.

## Engine Types

If you have a non factory-fitted V8 engine in your Land Rover, please use the information given in these pages to try to identify the type of engine fitted before ordering your parts. If in doubt, please contact our sales team, who will be happy to help you.

There are two basic types of Rover V8 engine: **Saloon/sports** engines, as fitted to Rover saloon cars, TR8, Morgan and some TVR sports cars, and **4x4** engines, as fitted to Land Rover vehicles. The cylinder blocks and heads, along with the internal components, are the same for both types. However, the sump, front cover and ancillary components are quite different. As a result, water pumps, pulleys, alternators etc are not interchangeable between the two types.

As well as a full list of service and rebuild parts for your V8 engine, we also offer a very comprehensive range of replacement full engines. These engines are available in two formats: **Standard** and **Performance**.

**Standard** engines are the choice for anyone wishing to replace a worn-out engine with one of a similar type. These engines are a straight swap, enabling the existing ancillary components and fuel system to be retained.

Note: If installing a 'standard' engine of higher capacity, modifications to the full system may be required (including ECU if fitted).

**Performance** engines incorporate modifications designed to increase horsepower and torque - such as big valve cylinder heads and fast road camshafts - and usually require modifications to the fuel system (including ECU if fitted).

### ENGINE NUMBER IDENTIFICATION

We have included a reference chart of Rover V8 engine numbers from 1970 onwards, which will help you to identify the engine fitted to your vehicle. The engine number of most Rover V8s is stamped on the left hand side of the block deck, adjacent to the dipstick tube, although some very early engines had the number stamped on the bellhousing flange at the rear of the block. The chart also contains a brief description of features, such as compression ratio and gearbox type and also the approximate year of production. Therefore, if your engine has been changed at some time, it should still be possible to correctly identify it.

To ensure you receive the correct parts, please have your engine number ready before ordering.

Note: "Pulsair" & "Air Injection" are terms applied to engines equipped with Air Rail type cylinder heads; ie cylinder heads with steel pipes located in holes just above the exhaust ports (fitted to carb Range Rover & TR8 engines only). "Detoxed" refers to a variety of emission control devices - including Air Rails - fitted to carb engines.

**TO ORDER CALL 01522 568000**

## ROVER V8 ENGINE NUMBERS

Engine Number	Application	Approximate Year
<b>FACTORY 3.5 LITRE ENGINES</b>		
84000001A	P5 3500 10.5:1cr	
84100001A	P5 3500 10.5:1cr	
84300001A	P5 3500 10.5:1cr	
42500001A	P6 3500 auto 10.5:1cr	1967-1976
42700001A	P6 3500 auto 8.5:1cr	1967-1976
43000001A	P6 3500S auto 10.5:1cr	1967-1976
43200001A	P6 3500S auto 8.5:1cr	1967-1976
45100001A	P6 3500 auto 10.5:1cr	1967-1976
45300001A	P6 3500 auto 8.5:1cr	1967-1976
45500001A	P6 3500 auto 10.5:1cr	1967-1976
46600001A	P6 3500S auto USA	1967-1976
48100001A	P6 3500S manual 10.5:1cr	1967-1976
48500001A	P6 3500S manual 10.5:1cr	1967-1976
10A00001A	SD1 manual 9.35:1cr	1976-1987
11A00001A	SD1 auto 9.35:1cr	1976-1987
12A00001A	SD1 manual 8.13:1cr USA efi	1979-1980
13A00001A	SD1 auto 8.13:1cr USA efi	1979-1980
14A00001A	SD1 auto 8.13:1cr Sweden	1976-1987
15A00001A	SD1 auto 8.13:1cr Australia	1976-1987
16A00001A	SD1 auto 8.13:1cr Japan	1976-1987
17A00001A	SD1 V8S manual 9.35:1cr	1979-1980 (NDP 1981 on)
18A00001A	SD1 V8S auto 9.35:1cr	1979-1980 (NDP 1981 on)
19A00001A	SD1 manual 8.13:1cr Australia	1976 onwards
20A00001A	SD1 Australia 8.13:1cr efi	1982 onwards
21A00001A	SD1 Australia 8.13:1cr efi	1982 onwards
23A00001A	SD1 manual 8.13:1cr SE/NDP	1982-1987
24A00001A	SD1 auto, air con 8.13:1cr SE/NDP	1982-1987
25A00001A	SD1 manual 8.13:1cr SE/NDP	1982-1987
26A00001A	SD1 auto 8.13:1cr SE/NDP	1982-1987
27A00001A	SD1 manual, air con 8.13:1cr SE	1982-1987 hot climate
28A00001A	SD1 auto, air con 8.13:1cr SE	1982-1987 hot climate
30A00001A	SD1 Vitesses manual 9.75:1cr	1982-1987
31A00001A	SD1 efi auto 9.75:1cr	1982-1987
32A00001A	SD1 Vitesses manual, air con 9.75:1	1982-1987
33A00001A	SD1 efi auto, air con 9.75:1	1982-1987
34A00001A	SD1 Switzerland 9.35:1cr	1982-1987
36A00001A	SD1 Switzerland 9.35:1cr	1982-1987
38A00001A	SD1 factory recon 9.35:1cr	1982-1987
39A00001A	SD1 factory recon 9.35:1cr	1982-1987
10E000001A	TR8 manual 8.13:1cr	1980
11E000001A	TR8 auto 8.13:1cr	1980
12E000001A	TR8 federal efi manual 8.13:1cr	1980
13E000001A	TR8 federal efi auto 8.13:1cr	1980
14E000001A	TR8 manual 8.13:1cr	1980
15E000001A	TR8 auto 8.13:1cr	1980
30A0000	Morgan +8 9.75:1cr efi	
37A0000	Morgan +8 9.75:1cr efi	
48600133A	Morgan +8 9.35:1cr carb	
37A0000	TVR 350i 9.75:1cr efi	
10G00001	Land Rover Stage 1 V8 8.13:1cr	1982
11G00001	Land Rover Stage 1 V8 8.13:1cr	1982
12G00001	Land Rover Stage 1 V8 8.13:1cr	1982
14G00001	Land Rover 90/110 8.13:1cr	1983 on
15G00001	Land Rover 90/110 8.13:1cr	1983 on
19G00001	Land Rover 90/110 Saudi	1983 on
20G00001	Land Rover 90/110 8.13:1cr	1983 on
21G00001	Land Rover 90/110 8.13:1cr	1983 on
22G00001	Land Rover 90/110 Australia	1983 on
24G00001	Land Rover 90/110 8.13:1cr	1983 on
27G00001	Discovery manual, carb 8.13:1cr	1989
22D00001	Discovery manual efi 8.13:1cr	1990
23D00001	Discovery auto efi 8.13:1cr	1990
24D00001	Discovery efi 9.35:1	1990

Engine Number	Application	Approximate Year
35500001C,D,ER	Rover carb 8.25:1cr	1970-1983
35500001F	R.Rover carb 8.13:1cr	1970-1983
34100001	R.Rover carb 8.25:1cr	1970-1983
35900001A	R.Rover carb CKD 8.25:1cr	1970-1983
39800001F	R.Rover carb Australia 8.13:1cr	1970-1983
11D00001A	R.Rover carb pulsair 9.35cr	1970-1983
13D00001A/B	R.Rover carb auto 8.13cr	1981-1985
15D00001A/B	R.Rover carb pulsair auto 9.35cr	1981-1985
16D00001A/B	R.Rover carb pulsair auto 9.35cr	1981-1985
17D00001A/B	R.Rover carb pulsair manual 9.35cr	1983-1985
18D00001A/B	R.Rover carb manual 8.13cr	1983-1985
19D00001A/B	R.Rover carb pulsair manual 9.35cr	1983-1985
20D00001B	R.Rover carb pulsair manual 8.13cr	1983-1985
21D00001B	R.Rover carb pulsair auto 8.13cr	1983-1985
22D00001	R.Rover/efi manual 8.13:1cr	1986 onwards
23D00001	R.Rover/efi auto 8.13:1cr	1986 onwards
24D00001	R.Rover/efi manual 9.35:1cr	1986 onwards
25D00001	R.Rover efi auto 9.35:1cr	1986 onwards
26D00001	R.Rover carb manual 9.35:1cr	1986 onwards
27D00001	R.Rover carb auto 8.13:1cr	1986 onwards
28D00001	R.Rover carb manual 8.13:1cr	1986 onwards
29D00001	R.Rover carb auto 8.13:1cr	1986 onwards
30D00001	R.Rover carb manual 8.13:1cr	1986 onwards
31D00001	R.Rover efi 8.13:1cr 8.13:1cr	1986 onwards

### FACTORY 3.9 LITRE ENGINES

47A00001	Morgan +8 9.35:1cr efi	
37A40P0000	TVR Chimaera 9.80:1cr efi	
47A40P0000	TVR Chimaera 9.80:1cr efi	
30G00001	Land Rover Defender Japan 9.13:1cr efi	
31G00001	Land Rover Defender 50LE efi auto	
35D00001	R.Rover/Discovery efi manual 9.35:1cr	1988 onwards
36D00001	R.Rover/Discovery efi auto 9.35:1cr	1988 onwards
37D00001	R.Rover/Discovery efi manual 8.13:1cr	1988 onwards
38D00001	R.Rover/Discovery efi auto 8.13:1cr	1988 onwards

### FACTORY 4.2 LITRE ENGINE

40D00001	R.Rover 4.2efi 8.94:1cr	1992 onwards
----------	-------------------------	--------------

### FACTORY 4.0 LITRE ENGINES

42D00001A	S2 R.Rover 4.0 efi HC	1994-2002
44D00001A	S2 R.Rover 4.0 efi LC	1994-2002
57D00001A	S2 R.Rover 4.0 efi LC	1998-2002
58D00001A	S2 R.Rover 4.0 efi HC	1998-2002
92D00001A	S2 R.Rover Canada 4.0 efi LC	1998-2002
95D00001A	S2 R.Rover NAS 4.0 efi HC	1998-2002

### FACTORY 4.6 LITRE ENGINES

46D00001A	S2 R.Rover 4.6 efi HC	1994-2002
48D00001A	S2 R.Rover 4.6 efi LC	1994-2002
59D00001A	S2 R.Rover 4.6 efi LC	1998-2002
60D00001A	S2 R.Rover 4.6 efi HC	1998-2002
93D00001A	S2 R.Rover Canada 4.6 efi LC	1998-2002
96D00001A	S2 R.Rover NAS 4.6 efi HC	1998-2002

### MISCELLANEOUS ENGINES

S46D0000A	Morgan +8 9.35:1cr efi	
37A50P0000	TVR Griffith/Chimaera 500 10:1cr efi	
47A43P0000	TVR Griffith 4.3 efi	
47A50P0000	TVR Chimaera 500 10:1cr efi	
47G50P0000	Sherpa 3.5	

## Engine Cradles

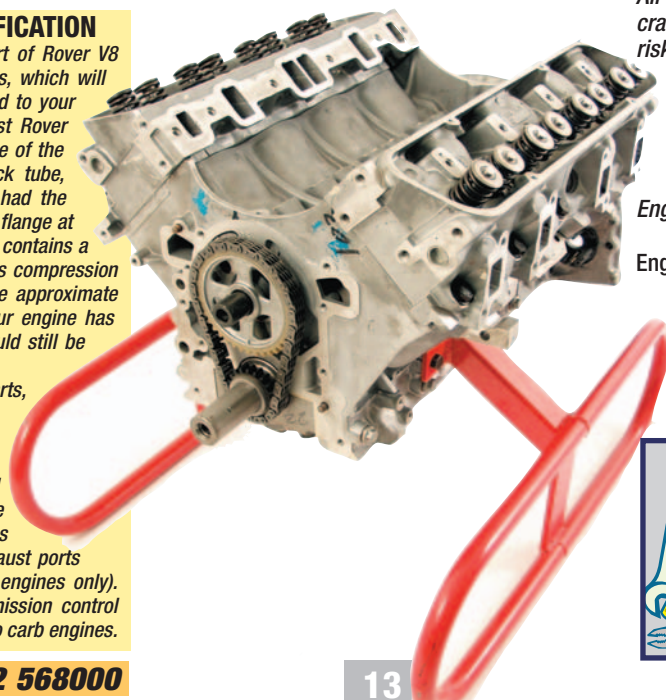
All engine assemblies are bolted to a steel cradle, for ease of handling and to minimise the risk of damage whilst in transit.


There is a surcharge for the cradle, refundable on its return. When returning an exchange engine, use the cradle for sending the old unit back and we will then refund both surcharges together.

Engine cradles can also be bought outright.

Engine cradle

**S005000EC**





## ENGINE fitting SERVICE

We are pleased to be able to offer a fitting service for either our full or short engines. Please contact us for a quotation or to discuss your requirements.

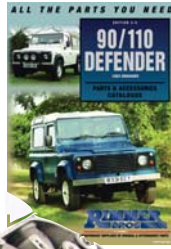
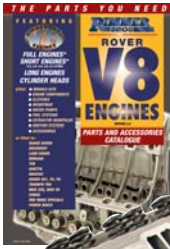
OUR CHARGES ARE VERY REASONABLE!

# V8 ENGINE UPDATE

## REVISED ENGINE SPECIFICATION AND LISTINGS LONG AND FULL ENGINES

March 2005

### APPLICABLE TO THE FOLLOWING CATALOGUES:-



Description Qty Req Part No.

### V8 Engines - Standard 'Long' Units

The following listings replace those on page 7 in our V8 Engine catalogue.

**ALL APPLICATIONS.**  
Supplied less timing cover, sump, & rocker gear.  
Exchange unit must be 'Like for Like'.  
Surcharge will only be refunded upon receipt & inspection of suitable old unit.

**3.5 Litre Long Engine** (1) **RB8000R**  
Exchange.

Includes recon block, small journal crank (short keyway), 3/3 cylinder heads, cam, followers and timing gear.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

**3.9 Litre Long Engine** (1) **RB8001R**  
Exchange.

Includes recon/relined block (not cross bolted), small journal crank (long keyway), 3/4 cylinder heads, cam, followers and timing gear.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

**4.0 Litre Long Engine** (1) **ERR5012STRG**  
**GEMS' type**

Exchange.  
Suitable for Series 2 (P38A) Range Rover/Discovery/TVR/Morgan etc ('95 on).

**Non 'GEMS' type** (1) **ERR5012STRNG**  
Exchange.

Suitable for all Non Series 2 (P38A) Range Rover/Discovery/TVR/Morgan etc (to '95).

**IDENTIFICATION:** 'GEMS' Efi uses a crank sensor pick-up on rear of engine block (1995 on).

**SPECIFICATION:** Exchange. Rebuilt large journal cross bolted block with 'Top Hat' liners, large journal crank, cylinder heads, cam, followers and timing gear. Crank spacer STC1893SPACER is required for non-serpentine timing covers.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

**4.6 Litre Long Engine** (1) **ERR5013STRG**  
**GEMS' type**

Exchange.  
Suitable for Series 2 (P38A) Range Rover/Discovery/TVR/Morgan etc ('95 on).

**Non 'GEMS' type** (1) **ERR5013STRNG**  
Exchange.

Suitable for all Non Series 2 (P38A) Range Rover/Discovery/TVR/Morgan etc (to '95).

**IDENTIFICATION:** 'GEMS' Efi uses a crank sensor pick-up on rear of engine block (1995 on).

**SPECIFICATION:** Exchange. Rebuilt large journal cross bolted block with 'Top Hat' liners, large journal crank, cylinder heads, cam, followers and timing gear. Crank spacer STC1893SPACER is required for non-serpentine timing covers.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

Description Qty Req Part No.

### V8 Engines - Performance 'Long' Units

The following listings replace those on page 8 in our V8 Engine catalogue.

**ALL APPLICATIONS.**  
Supplied less timing cover, sump, & rocker gear.  
Exchange unit must be 'Like for Like'.  
Surcharge will only be refunded upon receipt & inspection of suitable old unit.

**4.0 Litre Performance Long Engine** (1) **RB8004R**  
Exchange.

Please specify if 'GEMS' or Non 'GEMS' block required and intended vehicle application. Rebuilt large journal cross bolted block with 'Top Hat' liners, large journal crank, cylinder heads, cam, followers and timing gear. Crank spacer STC1893SPACER is required for non-serpentine timing covers.

Note: all units neutrally balanced. Crank pulley & flywheel can also be balanced at extra cost.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

**4.6 Litre Performance Long Engine** (1) **RB8005R**  
Exchange.

Please specify if 'GEMS' or Non 'GEMS' block required and intended vehicle application. Rebuilt large journal cross bolted block with 'Top Hat' liners, large journal crank, cylinder heads, cam, followers and timing gear. Crank spacer STC1893SPACER is required for non-serpentine timing covers.

Note: all units neutrally balanced. Crank pulley & flywheel can also be balanced at extra cost.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

**4.8 Litre Performance Long Engine** (1) **RB8006R**  
Exchange.

Please specify if 'GEMS' or Non 'GEMS' block required and intended vehicle application. Rebuilt large journal cross bolted block with 'Top Hat' liners, large journal crank, cylinder heads, cam, followers and timing gear. Crank spacer STC1893SPACER is required for non-serpentine timing covers.

Note: all units neutrally balanced. Crank pulley & flywheel can also be balanced at extra cost.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

**5.2 Litre Performance Long Engine** (1) **RB8007R**  
Exchange.

Please specify if 'GEMS' or Non 'GEMS' block required and intended vehicle application. Rebuilt large journal cross bolted block with 'Top Hat' liners, large journal crank, cylinder heads, cam, followers and timing gear. Crank spacer STC1893SPACER is required for non-serpentine timing covers.

Note: all units neutrally balanced. Crank pulley & flywheel can also be balanced at extra cost.

**Installation Kit** (1) **RB8003**  
Includes oil, filter, gaskets etc.

### V8 Short Engines

Addendum to page 9 in our V8 Engine catalogue.

All other Short Engines remain unchanged.  
Note: All Short Engines are exchange.

**4.6 Litre Rebuilt Short Engine - High compression** (1) **STC1893HCR**  
Pre-series 2 (P38A) Range Rover applications (to '95).

**4.8 Litre Rebuilt Short Engine** (1) **RB7676R**

**5.2 Litre Rebuilt Short Engine** (1) **RB7682R**

**PLEASE NOTE:** These units are supplied with a 'Rebuilt' large journal cross bolted block with 'Top Hat' liners. All other parts are new. Part numbers are suffixed 'R'.



LONG ENGINE

This update sheet lists the revised range of engine units that we now supply and is an addendum to our V8 Engine Catalogue (edition 2.2), Range Rover Catalogue (edition 2.2), Discovery Catalogue (edition 2.0), Defender Catalogue (edition 2.0), and our Rover SD1 Catalogue (edition 2.2).

The engine listings for both full and long engines along with their part numbers have changed. The following listings substitute both Standard and Performance units. There is also minor revision to Short Engines.

Due to on-going old core shortages and availability of Full Engines suitable for reconditioning, we now only supply 'Long Engines' for immediate delivery. Long Engines are supplied less timing cover, sump and rocker gear so you will need to re-use your existing units (It is important that your timing cover is suitably inspected, overhauled or replaced as necessary. Additionally, the Rocker gear should be stripped, cleaned and checked for wear - all components are available at low cost - refer to catalogue).

We will be pleased to recondition customer's own units (to 'full' engine specification) on request and can quote to do so on an individual basis.

The range of long engines listed is much simplified since they are now suitable for all applications both saloon car and 4x4 vehicle. Please note that for 1995 on applications: Range Rover Series 2 (P38A), Discovery, TVR and Morgan, the 'GEMS' type engine is required which has a crank sensor pick-up (for the ignition timing) at the rear of the block casting and is fitted with a camshaft with no provision for the distributor drive making it unsuitable for earlier applications.



Triumph House, Sleaford Road, Bracebridge Heath, Lincoln LN4 2NA.

Tel: 01522 568000. Fax: 01522 567600. E-mail: sales@rimmerbros.co.uk www.rimmerbros.co.uk

## V8 Engines - Standard Long & Full Units

### New 'long' engine;

See **Engine Definitions**.

New long engines are available in 4.0 litre and 4.6 litre capacities. They comprise a new, cross-bolted, large-bearing block assembly, fitted with new cylinder heads and standard camshaft & timing gear.

Note: Crank spacer STC1893SPACER is required for non-serpentine timing covers.

4.0 litre	(1)	ERR5012ST
4.6 litre	(1)	ERR5013ST

### New 'full' engine;

See **Engine Definitions**.

Please state if serpentine timing cover is required (extra cost).

New full engines are available in 3.5 litre, 4.0 litre and 4.6 litre capacities. Specification is the same as new long engines (3.5 litre blocks are not cross-bolted), with the addition of new timing cover/oil pump assembly, new sump and new rocker gear.

3.5 litre	(1)	RA1227
4.0 litre	(1)	RA1228
4.6 litre	(1)	RA1229

### Recon 'full' engine;

See **Engine Definitions**.

Please state if serpentine timing cover is required (extra cost). Recon full engines are available in 3.5 litre, 3.9 litre and 4.6 litre capacities. They comprise a reconditioned block (re-lined for 3.9), crankshaft & con rods with new pistons, or new, cross-bolted short engine assembly (4.6 litre); new camshaft & followers, new timing gear and reconditioned cylinder heads with new valves, guides & springs. They are also fitted with new rocker shafts & rocker arms, reconditioned timing cover (inc. new oil pump gears, pressure switch & relief valve) and sump.

3.5 litre	(1)	RA1227R
3.9 litre	(1)	RA1228R
4.6 litre	(1)	RA1229R

Note: all engines are sold on an exchange basis - please refer to the **Price Guide**. The old unit must be a suitable type otherwise - please verify with our sales department if you intend upgrade and install a different engine to that fitted.

All full engines, including 4.6 litre, are suitable as direct replacements for any Rover V8 engine. However, modifications to the fuel system (including ECU if fitted) may be required when replacing a 3.5 or 3.9 litre engine with a larger capacity unit.

All **Standard** engines are compatible with unleaded petrol/lpg and are bench run.

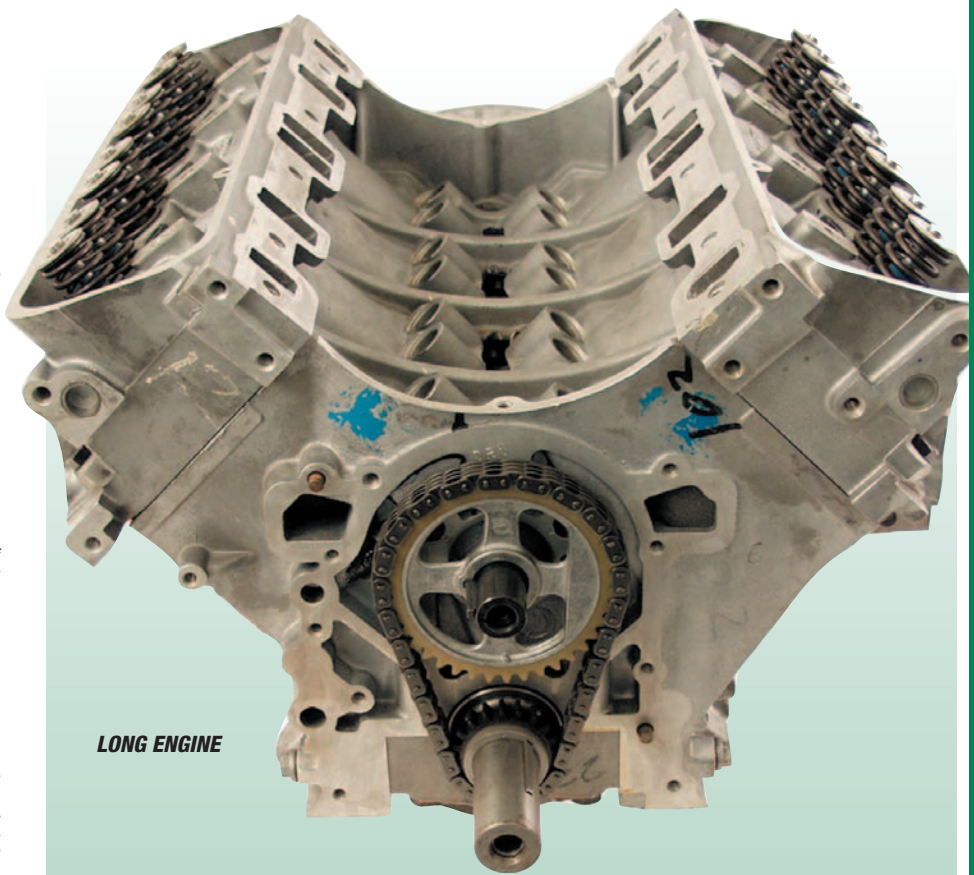
For manual transmission vehicles, we recommend fitting a new clutch while the engine is being replaced.

### FULL ENGINE



## Full Engine Installation Kits

Full engine installation kit Includes oil, oil filter, gaskets etc.	(1)	RA1236
Bolt kit - engine to gearbox	(1)	RB7130



LONG ENGINE

## IMPORTANT NOTES - FULL & LONG ENGINES

Please note the following important points regarding engine assembly:

### Long Engine Build-up.

These engines are supplied less rocker gear, pushrods, sumps & timing covers. It is absolutely essential that these items are checked, cleaned and correctly assembled prior to running your engine.

Check for wear on the underside of rocker shafts, on either side of the pedestals.

Check for wear on the valve tips of rocker arms. Check pushrods for straightness and equal length.

Clean the sump and oil pick-up pipe.

Clean the timing cover and check the oil pump housing for wear and damage.

Replace all seals and gaskets.

If in any doubt, always replace with new components.

### Long & Full Engines - Ancillary Components.

If you are re-fitting ancillary components - water pump, alternator, distributor, carburettors or fuel injection - check that they are suitable for re-using. We recommend having carburettors serviced and fuel injectors cleaned/replaced before re-fitting.

The cooling system - including the radiator and heater - should be flushed through with clean water and the hoses checked before re-using.

The correct ratio (minimum 33%) of antifreeze must be maintained at all times.

Oil coolers should be flushed of old engine oil.

Engine & gearbox mountings should be checked and renewed as necessary.

The clutch operating system should be checked for wear.

Rocker covers should be cleaned internally.

### All engines - oil pump priming.

All engines **not** fitted with crank-driven oil pumps should have their oil pumps primed before initial start-up. Please consult a workshop manual for this procedure.

Failure to observe these points may lead to engine damage and may also invalidate the engine's warranty.

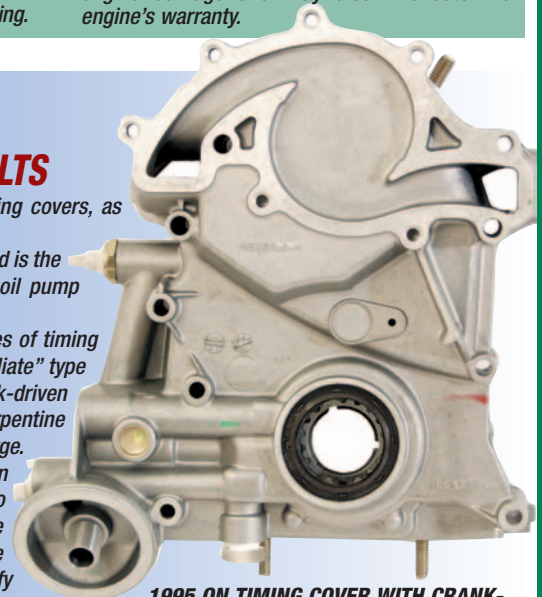
## NOTES - TIMING COVERS & SERPENTINE DRIVE BELTS

Full engines are supplied with fitted timing covers, as follows:

For '4x4' engines, the timing cover supplied is the Land Rover type, with distributor-driven oil pump (as fitted to Range Rover up to 1994).

For 3.9 litre engines and above, both types of timing cover can be exchanged for the "intermediate" type timing cover - which incorporates a crank-driven oil pump, provision for a distributor and serpentine ancillary drive belt - for a small extra charge.

If required, please request this when ordering your engine (ancillaries fitted to pre '95 vehicles may not be compatible with serpentine timing covers - please contact our **Sales Department** to verify this).



1995 ON TIMING COVER WITH CRANK-DRIVEN OIL PUMP



## V8 Engines - Performance Full Units

**Performance engines** are available in 4.0, 4.6, 4.8 & 5.2 litre capacities, giving a broad range of power and torque outputs to suit every budget. They are built to an extremely high specification, which guarantees maximum power and long life. Please note: specifications can be altered to suit your individual requirements - from ultra-big valve cylinder heads and solid-lifter camshafts to full turn-key Performance engines - phone us to discuss your needs.

### Performance Engine Basic Specifications

All Performance engines are built around a cross-bolted, large-journal block; all feature a Performance camshaft (the type depends on the intended application) and double roller timing chain sets. Finally, Performance engines are all fitted with fully ported and polished, big valve cylinder heads, to Stage 3 specification or above (See **Performance Cylinder Heads** for details).

### NOTES - ENGINE BALANCING

All Performance engines are dynamically balanced (ie their rotating components are balanced individually and not as one assembly). The benefit of balancing in this way is that individual components can be replaced, if need be, without upsetting the balance of the whole engine. However, the benefits of balancing the engine are lost if any of the associated rotating parts are not also balanced; therefore, we strongly recommend that your crankshaft pulley and flywheel (manual transmission vehicles) are neutrally balanced before being fitted to your engine.

As there are numerous variations of crankshaft pulley and flywheel, the easiest way to make sure you have the correct, balanced components for your needs is to send us your original crank pulley and flywheel for balancing at the time of placing your engine order. These items will then be balanced (at extra cost) and returned to you with your engine.

### Performance 'full' engine;

See our **Power Outputs** table, right.

See also **Notes - Timing Covers** page 14.

Please state if serpentine timing cover is required (extra cost).

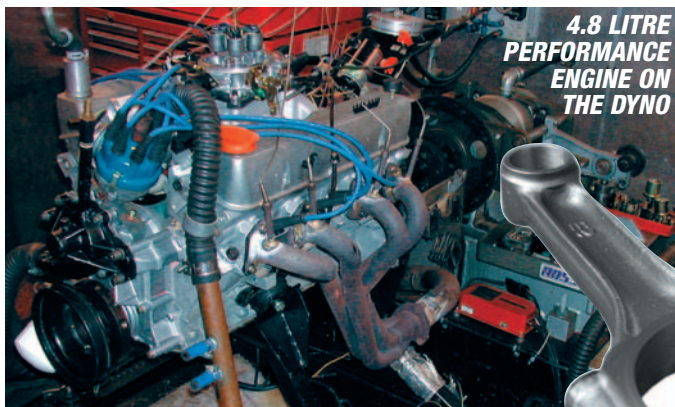
4.0 litre	(1)	<b>RA1230R</b>
4.6 litre	(1)	<b>RA1231R</b>
4.8 litre	(1)	<b>RA1232R</b>
5.2 litre	(1)	<b>RA1339R</b>

Note: all engines are sold on an exchange basis - please refer to the **Price Guide**. The old unit must be a suitable type - please verify with our Sales Department.

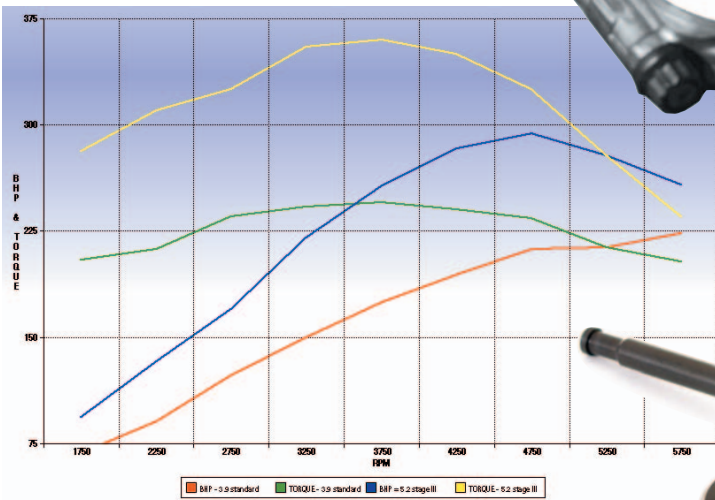
All full engines, including 5.2 litre, are suitable as direct replacements for any Rover V8 engine. However, modifications to the fuel system (including ECU if fitted) may be required when replacing a 3.5 or 3.9 litre engine with a larger capacity unit.

All **Performance engines** are compatible with unleaded petrol and lpg.

For manual transmission vehicles, we recommend fitting a new clutch while the engine is being replaced.

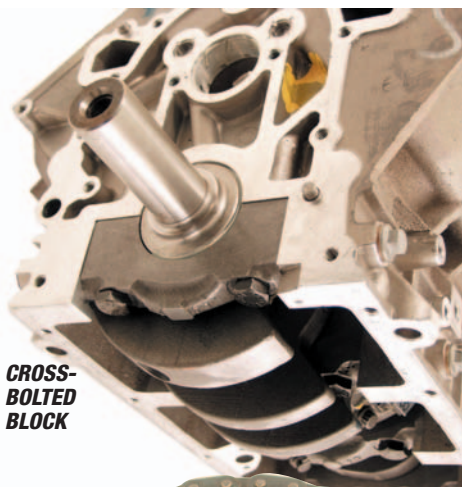


**4.8 LITRE PERFORMANCE ENGINE ON THE DYNO**

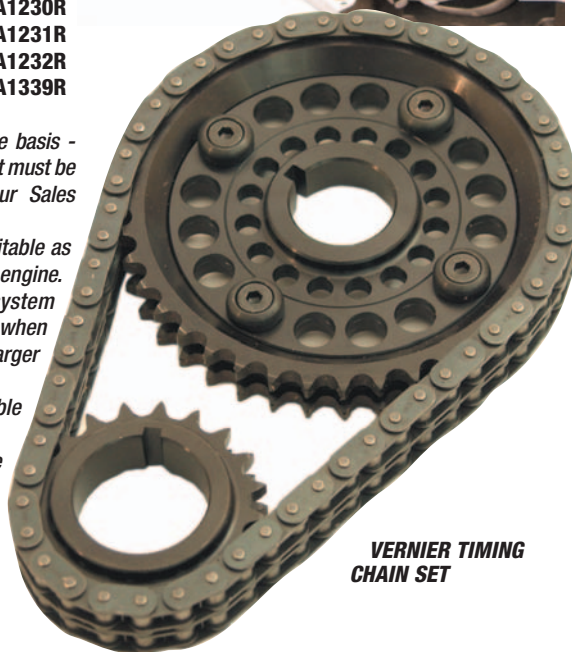


**FORGED PISTON & H-BEAM CON ROD**

**BIG VALVES**



**CROSS-BOLTED BLOCK**



**VERNIER TIMING CHAIN SET**

## Power Outputs

The table below is a guide to **typical** power & torque outputs of our range of V8 Full engines. Please note that these figures are intended only as an indication of the performance potential of each engine. In reality, power figures may vary considerably depending on final application; choice of induction system, exhaust and intended RPM range all have a significant effect on final power output.

To achieve the required power, it may be necessary to modify the fuel system - particularly on fuel injection engines. See **Fuel** section for details, or speak to our **Sales Department** for advice.

Each Performance Full engine is supplied with a dyno test sheet, giving actual power figures obtained on the dyno. All Full engines are bench run.

Standard Engines	PEAK POWER	PEAK TORQUE
3.5 litre	165 bhp	190 lb/ft
3.9 litre	200 bhp	240 lb/ft
4.6 litre	220 bhp	290 lb/ft
Performance Engines		
4.0 litre	250 bhp	260 lb/ft
4.6 litre	260 bhp	300 lb/ft
4.8 litre	290 bhp	330 lb/ft
5.2 litre	310 bhp	350 lb/ft

## Full Engine Installation Kits

Full engine installation kit (1) **RA1236**  
Includes oil, oil filter, gaskets etc.

Bolt kit - engine to gearbox (1) **RB7130**

## V8 Short Engines

Short engines are sold on an exchange basis (except certain new short engines). The old unit must be a suitable type (1980 onwards) otherwise a surcharge will apply.

### 3.5 litre - new short engine

Comprises new block/crank/bearings/pistons/rods (assembled). Less cam & followers.

low compression (8.13:1) (1) **ETC7714**  
high compression (9.35:1) (1) **RB7121**

### 3.5 litre - recon short engine (exchange)

Comprises recon block, rebored with new pistons/cam bearings/reground crank & new bearings (assembled). Less cam & followers.

low compression (8.13:1) (1) **ETC7714R**  
high compression (9.35:1) (1) **RB7121R**

### 3.9 litre - new short engine (1) **RB7487**

Comprises new block/crank/bearings/pistons/rods (assembled). Less cam & followers.

### 3.9 litre - recon short engine (1) **RB7487R**

Comprises recon block, relined with new pistons/rings/cam bearings/reground crank & new bearings (assembled). Less cam & followers.

### 3.9 litre - uprated short engine (1) **RB7487UR**

Comprises new, large journal block, cross-bolted & ARP mains studs. Crank/rods & pocketed pistons. Lightened & balanced assembly. Less cam & followers.

### 4.2 litre - short engine (1) **ERR4171**

Comprises block/crank/bearings/pistons/rods (assembled). Less cam & followers.

### 4.0 litre - new short engine

Series 2 Range Rover application.  
NB. Unsuitable for use with pre '95 heads as low compression ratio results.

Large journal, cross-bolted type.  
Comprises new block/crank/bearings/pistons/rods (assembled). Less cam & followers.

low compression\* (8.13:1) (1) **STC1890**  
high compression\* (9.35:1) (1) **STC1891**

\*Please see Note regarding "Compression Ratios - Cylinder Heads & Short Engines", right.

### 4.6 litre - new short engine

Series 2 Range Rover application.  
NB. Unsuitable for use with pre '95 heads as low compression ratio results.

Large journal, cross-bolted type.  
Comprises new block/crank/bearings/pistons/rods (assembled). Less cam & followers.

When using this short engine to replace earlier type (3.5 or 3.9) engines, a crank spacer - part no. **STC1893SPACER** - may be required. Please enquire for details.

Sump pan may also require relieving to allow swing clearance for front web of crank.

low compression\* (8.13:1) (1) **STC1892**  
high compression\* (9.35:1) (1) **STC1893**

\*Please see Note regarding "Compression Ratios - Cylinder Heads & Short Engines", right.

### 4.6 litre - new short engine - high compression

Pre-Series 2 Range Rover applications.

Suitable for use with pre-Series 2 Range Rover cylinder heads (see Notes "Compression Ratios, Cylinder Heads & Short Engines", right).

Large journal, cross-bolted type.  
Comprises new block/crank/bearings/pistons/rods (assembled). Less cam & followers.

When using this short engine to replace earlier type (3.5 or 3.9) engines, a crank spacer - part no. **STC1893SPACER** - may be required. Please enquire for details.

Sump pan may also require relieving to allow swing clearance for front web of crank.

high compression\* (1) **STC1893HC**

\*Please see Note regarding "Compression Ratios, Cylinder Heads & Short Engines".

### 4.8 litre - new short engine (1) **RB7676**

Comprises large journal, cross-bolted block & long stroke (86mm) crank. ARP mains studs, new pistons & rings. Less cam & followers.

When using this short engine to replace earlier type (3.5 or 3.9) engines, a crank spacer - part no. **STC1893SPACER** - may be required. Please enquire for details.

Sump pan may also require relieving to allow swing clearance for front web of crank.

### 5.2 litre - new short engine (1) **RB7682**

Comprises large journal, cross-bolted block, fitted with special 96mm bore liners, long stroke (90mm) cross-drilled crank, steel rods & new pistons (90mm stroke). Lightened & balanced assembly.

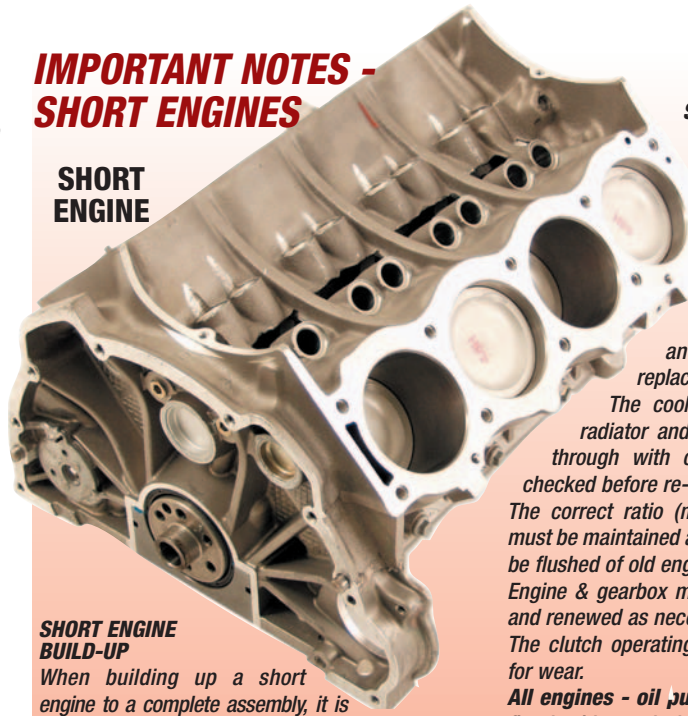
Less cam & followers.

When using this short engine to replace earlier type (3.5 or 3.9) engines, a crank spacer - part no. **STC1893SPACER** - may be required. Please enquire for details.

Sump pan may also require relieving to allow swing clearance for front web of crank.

## IMPORTANT NOTES - SHORT ENGINES

### SHORT ENGINE



### SHORT ENGINE BUILD-UP

When building up a short engine to a complete assembly, it is essential to thoroughly examine every part you intend to re-use. We recommend that you pay special attention to the camshaft, followers, pushrods & rocker gear, checking carefully for signs of wear; re-using worn parts is false economy and you risk contaminating your new engine with abrasive particles.

The following parts **MUST** be meticulously cleaned prior to fitting:

- sump & oil pick-up pipe
- timing cover & oil pump assembly
- cylinder heads
- rocker covers

Failure to observe these points may lead to engine damage and may invalidate the engine's warranty.

**Short Engines - Ancillary Components.** If you are re-fitting ancillary components - water pump, alternator, distributor, carburetors or fuel injection - check that they are suitable for re-using. We recommend having carburetors serviced and fuel injectors cleaned/replaced before re-fitting.

The cooling system - including the radiator and heater - should be flushed through with clean water and the hoses checked before re-using.

The correct ratio (minimum 33%) of antifreeze must be maintained at all times. Oil coolers should be flushed of old engine oil.

Engine & gearbox mountings should be checked and renewed as necessary.

The clutch operating system should be checked for wear.

**All engines - oil pump priming.** All engines not fitted with crank-driven oil pumps should have their oil pumps primed before initial start-up. Please consult a workshop manual for this procedure.

### TIMING COVERS

If the timing cover you intend to fit to your short engine incorporates a crank-driven oil pump, please inform the Sales Department at the time of ordering (3.5 & 3.9 litre Standard Short Engines only).

Uprated 3.9 litre Short engines, as well as all Short Engines of 4.0 litres and above, are suitable for timing covers which incorporate crank-driven oil pumps. If fitting the earlier type of timing cover - with camshaft-driven oil pump - to a short engine of 4.0 litres or above, please also request crank spacer, part no. **STC1893SPACER**, which will ensure the crankshaft pulley is securely fitted.

If in any doubt, a member of our Sales Department will be pleased to help you.

## COMPRESSION RATIOS - CYLINDER HEADS & SHORT ENGINES

There are various different Rover V8 cylinder heads available, with different combustion chamber sizes, giving a variety of compression ratios when fitted to a short engine. Therefore, you will need to know the combustion chamber size of the cylinder heads that you intend to use in order to be able to calculate the engine's compression ratio.

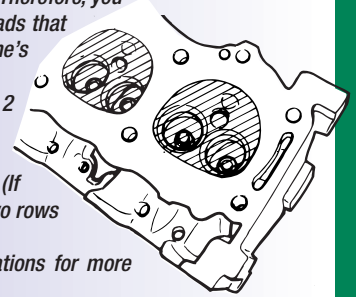
As a general rule, cylinder heads up to the introduction of Series 2 Range Rover (1994) have approximately 34-36cc combustion chambers. From the introduction of Series 2 Range Rover (4.0 & 4.6 litre engines), they have approximately 28cc combustion chambers (if in doubt, cylinder heads fitted to 4.0 & 4.6 litre engines have only two rows of cylinder head bolts; earlier engines have three rows).

Refer to the table below of Short Engine & Cylinder Head Applications for more detailed information.

This information does not take into account any machining work done on the cylinder heads in the past.

In certain circumstances, it may be cheaper to purchase a pair of reconditioned cylinder heads than to try to match a pair of unknown heads to a Short Engine.

Alternatively, it may be worth considering a Full Engine, which is supplied complete with fitted cylinder heads.



COMBUSTION CHAMBERS

### SHORT ENGINE & CYLINDER HEAD APPLICATIONS

SHORT ENGINE	ENGINE TYPE	SWEPT VOL/CYL	CC @ TDC	HEADS REQUIRED	HEAD GASKETS
ETC7714/R	3.5 STD 8.13cr	441.51	25	34-36cc	Std
RB7121/R	3.5 STD 9.35cr	441.51	15	34-36cc	Std
RB7487/R	3.9 STD 9.35cr	494	23	34-36cc	Std
RB7487UR	3.9 STD 9.35cr	494	23	34-36cc	Std
ERR4171/R	4.2 8.94cr	534.81	29	34-36cc	Std
STC1890	4.0 STD 8.13cr	494	33	28cc	Comp
STC1891	4.0 STD 9.35cr	494	23	28cc	Comp
STC1892	4.6 STD 8.13cr	569.62	44	28cc	Comp
STC1893	4.6 STD 9.35cr	569.62	31	28cc	Comp
STC1893HC	4.6 HI COMP	569.62	29	34-36cc	Std

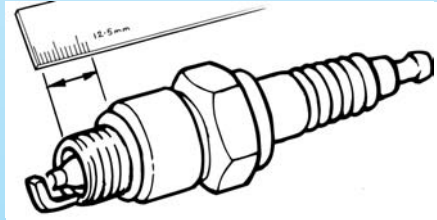
## NOTES - CYLINDER HEAD IDENTIFICATION

See also: 'Compression Ratios - Cylinder Heads & Short Engines' page 9.

There are various types of cylinder heads available for the Rover V8, with only subtle differences between them. Not all are suitable for every application, so care must be taken when ordering replacement heads for your vehicle. Please note that reconditioned cylinder heads are only sold on an exchange basis (in pairs) and that we require similar type cylinder heads in return, otherwise a surcharge will apply.

### Early Cylinder Heads

Early cylinder heads - as fitted to Rover P5B, P6, MGB V8 and early Range Rover - are fitted with small (38mm inlet, 33mm exhaust) valves and may not be suitable for use with unleaded fuel. These heads can be identified most easily by removing one of the spark plugs and measuring the length of the threaded section of the plug. If it measures 12.5mm, the cylinder head is an early type and is **not suitable for exchange**. If it measures 19mm, the cylinder head is post-1976 (SD1 or later).

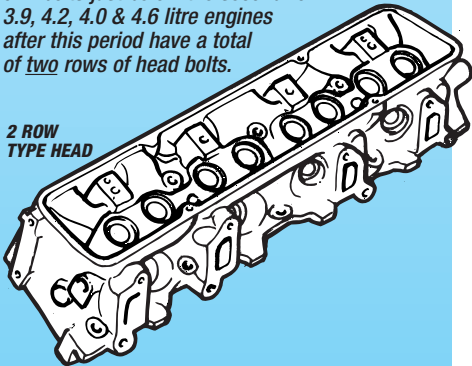


### Later Cylinder Heads

Identify later cylinder heads as follows:

1. Count the rows of cylinder head bolts. All cylinder heads have a row of head bolts inside the rocker covers; they also have a second row of 5 head bolts just below the spark plugs. Finally, cylinder heads up to around 1994 have a third row of 4 bolts just below the second row. 3.9, 4.2, 4.0 & 4.6 litre engines after this period have a total of two rows of head bolts.

2 ROW TYPE HEAD

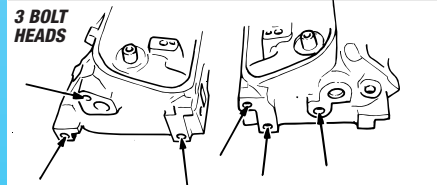
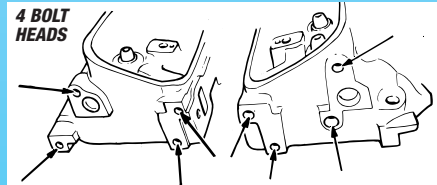


2. Look at the ends of the cylinder heads, as fitted to the engine. There are tapped holes in the ends of each cylinder head, to which the ancillary component brackets are bolted. The number of holes determines which type you have, as follows:

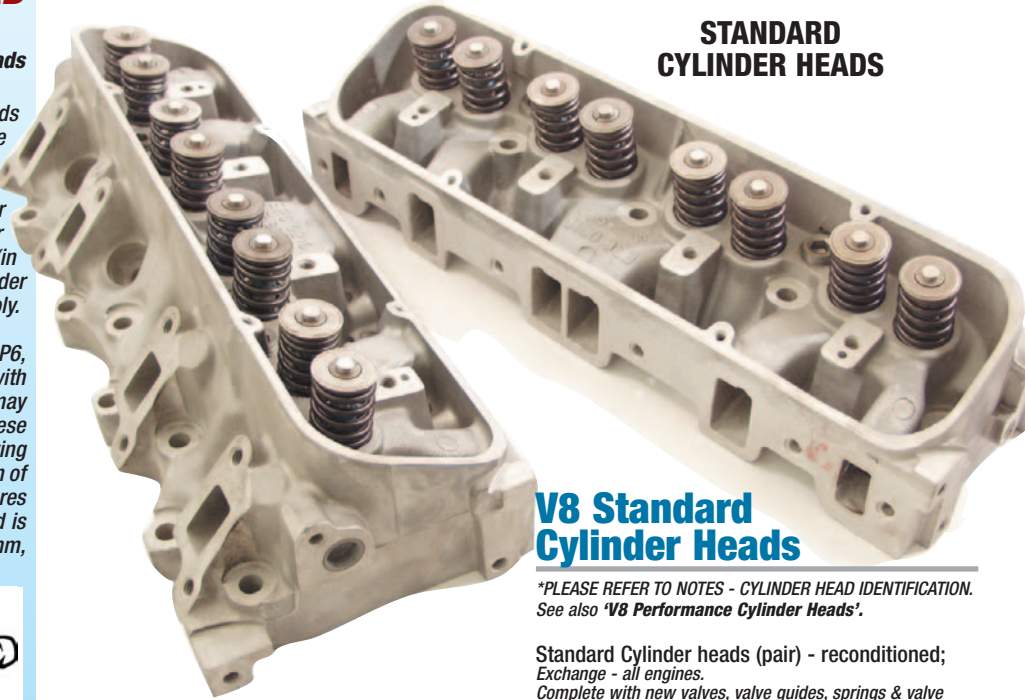
3/3 bolt (3 bolt holes in each head)

3/4 bolt (3 bolt holes in one head, 4 in the other)

4/4 bolt (4 bolt holes in each head)



It is important that the cylinder heads you order are similar to the ones you have removed, otherwise your ancillary components may not fit.



**STANDARD CYLINDER HEADS**

## V8 Standard Cylinder Heads

\*PLEASE REFER TO NOTES - CYLINDER HEAD IDENTIFICATION. See also 'V8 Performance Cylinder Heads'.

Standard Cylinder heads (pair) - reconditioned; Exchange - all engines. Complete with new valves, valve guides, springs & valve stem oil seals. Less rocker gear. Reconditioned cylinder heads are sold only in matching pairs, with the actual combustion chamber size marked on them.

with 3 rows of head bolts  
Pre-'95 applications. 34-36cc combustion chambers.

3/3 end bolt type (pr) **RB7095RA**

3/4 end bolt type (pr) **RB7095RB**

4/4 end bolt type (pr) **RB7095RC**

with 2 rows of head bolts (pr) **RB7095RD**

'95-on applications. 28cc combustion chambers. All 4/4 end bolt.

Standard cylinder heads are sold on an exchange basis; the old units must be serviceable and of a suitable type otherwise a surcharge will apply. If preferred, we can recondition your existing cylinder heads. Please note that early type (pre 1976) heads are not suitable as exchange units - please refer to 'Notes Cylinder Heads Identification'.

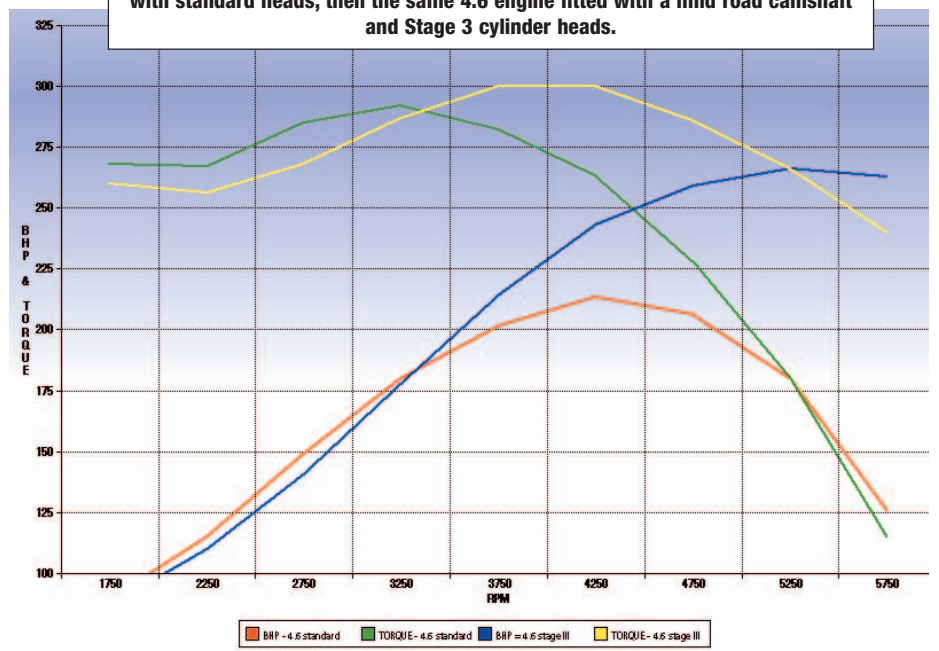
### Cylinder heads - new

Due to the numerous variations of cylinder heads and the complexity of part number supersessions, it would be too complicated to list a full range of new cylinder heads in this catalogue. However, if you require new cylinder heads, please contact our Sales Department for price & availability.

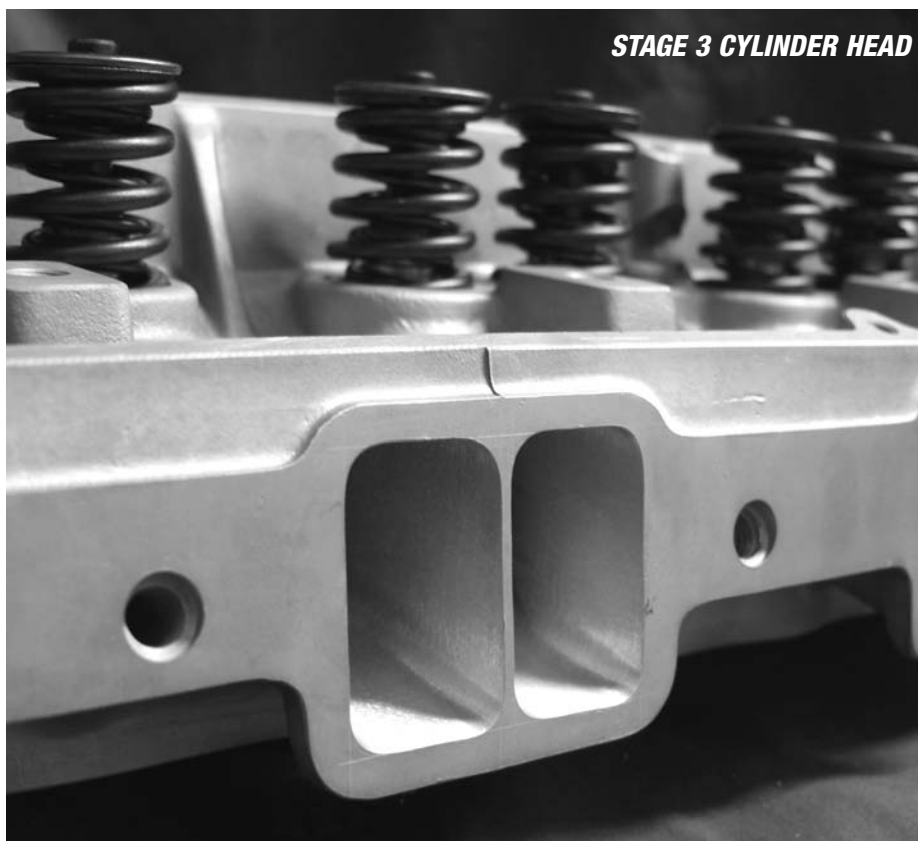
## CYLINDER HEAD SPECIFICATION

*All our cylinder heads - both Standard and Performance types - are based on late-type (19mm spark plug) head castings. All are compatible with unleaded fuel and LPG and are suitable for carb or efi applications.*

Dyno graph showing the power & torque of a 4.6 litre engine fitted with standard heads, then the same 4.6 engine fitted with a mild road camshaft and Stage 3 cylinder heads.



**TO ORDER CALL 01522 568000**



## STAGE 3 CYLINDER HEAD

## V8 Performance Cylinder Heads

We offer *three* stages of modified Performance cylinder head, designed to suit different requirements and budgets.

**Stage 1** - polished and lightly ported cylinder heads featuring bulleted guides and standard size valves.

Suitable for standard and mildly tuned 3.5 to 4.6 litre engines.

**Stage 3** - fully polished & ported, gas-flowed cylinder heads, featuring bulleted & shortened guides and fitted with Big Valves (41.45mm inlet, 36.5mm exhaust).

Together with the right camshaft and fuel system, these heads offer a substantial power and torque increase, and are suitable for Performance engines up to 5.2 litres. See Comparison Chart, previous page.

**Stage 4** - Ultra Big Valve heads. Fully polished & ported as Stage 3, but featuring 43.11mm inlet and 38.1mm exhaust valves.

These cylinder heads are suitable for serious Performance applications, in engines of 4.6 litres and above, and require suitably modified fuel systems.

Performance cylinder heads (pair);  
Please refer to 'Notes - Cylinder Head Identification'.  
Exchange - all engines.

Complete with new valves, valve guides, springs & valve stem oil seals. Less rocker gear.

Performance cylinder heads are sold only in matching pairs, with the actual combustion chamber size marked on them.

### Stage 1

with 3 rows of head bolts

Pre - '95 applications. 34-36cc combustion chambers.

3/3 end bolt type (1) **RB7467R S1A**

3/4 end bolt type (1) **RB7467R S1B**

4/4 end bolt type (1) **RB7467R S1C**

with 2 rows of head bolts(1) **RB7467R S1D**

'95 on applications. 28cc combustion chambers.  
4/4 end bolt type.

### Stage 3

with 3 rows of head bolts

Pre - '95 applications. 34-36cc combustion chambers.

3/3 end bolt type (1) **RB7467R S3A**

3/4 end bolt type (1) **RB7467R S3B**

4/4 end bolt type (1) **RB7467R S3C**

with 2 rows of head bolts(1) **RB7467R S3D**

'95 on applications. 28cc combustion chambers.  
4/4 end bolt type.

### Stage 4

with 3 rows of head bolts

Pre - '95 applications. 34-36cc combustion chambers.

3/3 end bolt type (1) **RB7467R S4A**

3/4 end bolt type (1) **RB7467R S4B**

4/4 end bolt type (1) **RB7467R S4C**

with 2 rows of head bolts(1) **RB7467R S4D**

'95 on applications. 28cc combustion chambers.  
4/4 end bolt type.

Performance cylinder heads are sold on an exchange basis: the old units must be serviceable and of a suitable type otherwise a surcharge will apply. If preferred, we can modify your existing cylinder heads. Please note that early type (pre 1976) heads are not suitable as exchange units - please refer to 'Notes Cylinder Heads Identification'.

## V8 Head Gaskets

### Head gasket set - V8;

3.5 litre (88.9mm bore)

tin head gaskets

to 1976 (pre SD1) (1) **GEG165**

1976 on (1) **GUG1066HS**

composite head gaskets\* (1) **GUG1066HSC**

3.9/4.2 litre (94mm bore)

3 rows of cylinder head bolts.

tin head gaskets (1) **RB7447**

composite head gaskets\* (1) **RB7447C**

3.9/4.2/4.0/4.6 litre

(94mm bore)

2 rows of cylinder head bolts. (1) **RA1233**

Composite head gaskets.

5.2 litre (96mm bore) (1) **RB7684**

Composite head gaskets\*.

### Head gasket only- V8;

3.5 litre (88.9mm bore)

tin gasket (2) **GEG340**

composite gasket\* (2) **GEG340C**

3.9/4.2 litre

3 rows of cylinder head bolts.

tin gasket (2) **RB7448**

composite gasket\* (2) **RB7448C**

3.9/4.2/4.0 & 4.6 litre

2 rows of cylinder head bolts.

tin gasket (2) **ETC7819**

composite gasket\* (2) **ERR7217**

5.2 litre (96mm bore) (2) **RB7685**

Composite gasket\*.

\*Composite head gaskets are thicker than standard tin gaskets and will therefore lower the engine's compression ratio. Ideal for correcting compression ratio when heads/ block faces have been skimmed. (Not applicable 1995 on).

Approximate gasket thicknesses are as follows:

Standard (tin) gaskets 0.5mm

Composite gaskets 1.2mm

Typical effect on compression ratio:

Standard (tin) gaskets 3cc

Composite gaskets 10cc

## V8 Cylinder Head Bolts

All parts listed are suitable for saloon, sports & 4x4 applications unless otherwise stated.

### Bolt - cylinder head;

all engines up to 1995 (except late 3.9, 4.0 & 4.6).

(See note below).

long (7/16" UNC x 3.9") (6) **602193A**

medium (7/16" UNC x 2.7")(14) **602192A**

Order 13 if your engine has a dipstick retainer clamp on the head bolt adjacent to the dipstick.

tapped bolt (7/16" x 2.7") (1) **602450A**

For dipstick retainer, if fitted.

double-ended bolt (1) **602200**

Fitted to some Range Rovers.

short (7/16" x 2 1/4") (8) **602191A**

1995 onwards (late 3.9, 4.0 & 4.6).

Note: These bolts can be identified by their flanged head. They do not need a separate washer and can be used on earlier engines. However, they are not re-useable and must be replaced once removed.

long (96mm) (6) **ERR2944**

medium (66mm) (14) **ERR2943**

Note: the outer row of short bolts, or "outrigger" bolts, has not been used since the introduction of the Series 2 Range Rover.

Washer - cylinder head bolts (28) **602098A**



Cylinder head stud kit (1) **RB7680**

Engine set of ARP cylinder head studs, washers and nuts to replace original bolts. Studs improve cylinder head sealing & prevent damage to block threads.

### SHORT ENGINE & CYLINDER HEAD APPLICATIONS

SHORT ENGINE	ENGINE TYPE	SWEPT VOL/CYL	CC @ TDC	HEADS REQUIRED	HEAD GASKETS
ETC7714/R	3.5 STD 8.13cr	441.51	25	34-36cc	Std
RB7121/R	3.5 STD 9.35cr	441.51	15	34-36cc	Std
RB7487/R	3.9 STD 9.35cr	494	23	34-36cc	Std
RB7487UR	3.9 STD 9.35cr	494	23	34-36cc	Std
ERR4171/R	4.2 8.94cr	534.81	29	34-36cc	Std
STC1890	4.0 STD 8.13cr	494	33	28cc	Comp
STC1891	4.0 STD 9.35cr	494	23	28cc	Comp
STC1892	4.6 STD 8.13cr	569.62	44	28cc	Comp
STC1893	4.6 STD 9.35cr	569.62	31	28cc	Comp
STC1893HC	4.6 HI COMP	569.62	29	34-36cc	Std

## V8 Valves, Guides & Springs

All parts listed are suitable for saloon, sport & 4x4 applications unless otherwise stated.

Various different valves have been used since the Rover V8's introduction; most having the standard "Rover SD1" head diameter: inlet - 40mm, exhaust - 34mm. However, early engines (pre 1976) were fitted with smaller diameter valves - 38mm inlet, 33mm exhaust - which are less efficient. In order to benefit from the larger valve sizes, it would be more practical to fit a pair of later cylinder heads than to attempt to fit the larger valves to early heads.

Vitesse specification valves are of standard SD1 head-diameter, with waisted stems just behind the valve head. The largest valves that can be fitted to the existing valve seats (later heads only), without the need for extensive machining, are our Big Valves (Inlet - 41.4 mm, exhaust - 35.5 mm, with waisted stems). These valves are particularly suited to large capacity engines. (Note: some machining is required to the valve guide and seat).

Finally, the latest factory valves, as fitted to 3.9 & 4.2 engines since 1993, as well as the Series 2 Range Rover (4.0 & 4.6 engines), feature the same head diameter as SD1-type valves. Note: all parts supplied are suitable for unleaded applications.

### Inlet valve;

#### carburettor engines

early engines (pre 1976) (8) **602166**  
Head diameter: 38mm.

1976 on (8) **614088**  
Head diameter: 40mm.

#### efi engines - 3.5, 3.9 & 4.2 litre; Head diameter: 40mm.

SD1 (8) **ERC9088**

#### Range Rover

up to eng nos: 35D06576A, 36D14149A,  
37D00751A & 38D23045A (8) **ERC9088**

from above eng nos. on (8) **ERR1780**

Series 2 Range Rover (8) **ERR1780**

'big valve' (8) **RB7460**  
Head diameter: 41.4mm. With waisted stem.  
Machining required to valve guide and seat.

### Exhaust valve;

#### carburettor engines

early engines (pre 1976) (8) **602165**  
Head diameter: 33mm.

1976 on (8) **614089**  
Head diameter: 34mm.

#### efi engines

Head diameter: 34mm.

SD1 (8) **ERC9089**

#### Range Rover

3.5 litre (8) **614089**

3.9 & 4.2 litre (8) **ERR7338**

Series 2 Range Rover (8) **ERR7338**

'big valve' (8) **RB7461**  
Head diameter: 35.5mm. With waisted stem.  
Machining required to valve guide and seat.

### Valve seat insert - inlet;

#### early engines

Pre-1976.

standard size (8) **602052**

oversize + 0.010" (8) **602223**

#### all other engines - 1976 on Including Series 2 Range Rover.

standard size (8) **ERC224A**

oversize + 0.010" (8) **ERC225A**

### Valve seat insert - exhaust;

#### early engines

Pre-1976.

standard size only (8) **614639**

#### all other 3.5 litre engines - 1976 on

standard (8) **ERC210A**

oversize + 0.010" (8) **ERC211A**

#### 3.9, 4.2 litre & Series 2 Range Rover

standard (8) **ETC8596A**

oversize + 0.010" (8) **ERC211A**

### Valve guide - standard;

For use with standard cam.

all engines up to 1994 (16) **603554**  
Plain-topped; oil seals on inlet only.

late 3.9, 4.2, 4.0 & 4.6 ('94 on)(16) **ERR3648**  
Stepped top, for use with neoprene seals (ERR1782) and matching valves.

### Valve guide - performance;

Shortened & bulleted, for use with performance cam.  
Suitable for all valves.

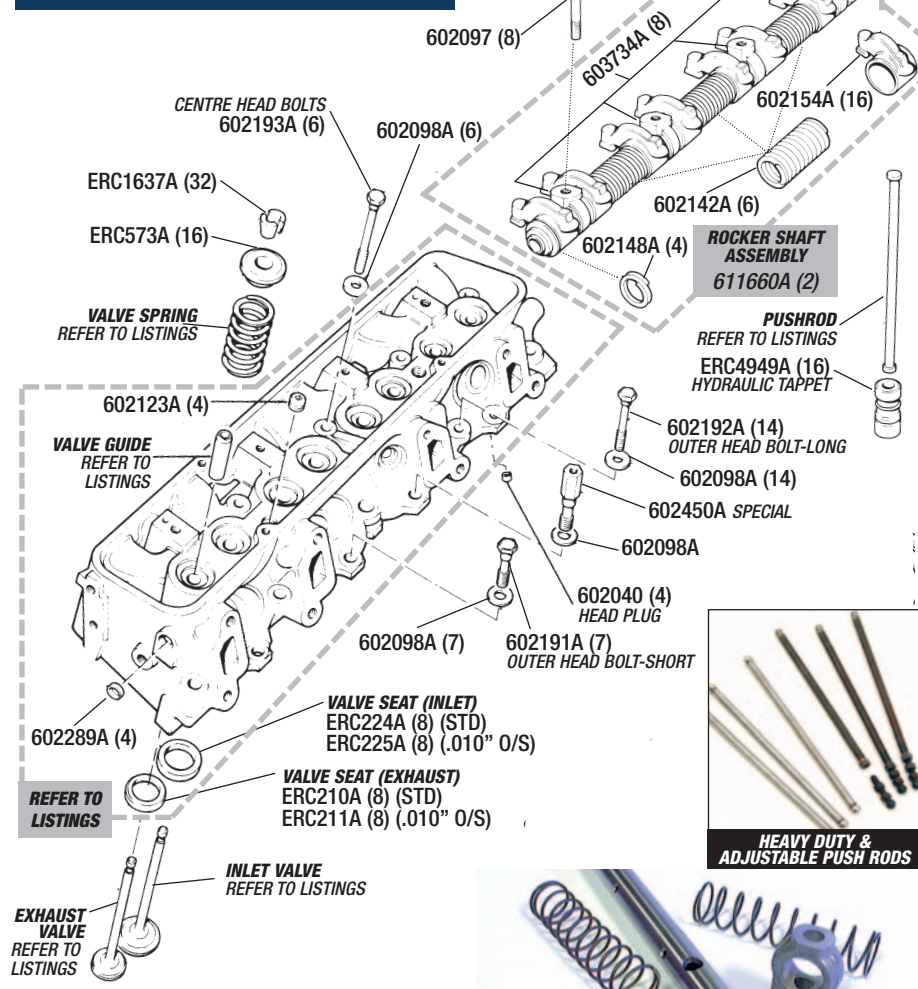
car set (inlet/exhaust) (1) **RB7453**

#### individual

inlet (8) **RB7463**

exhaust (8) **RB7464**

## V8 CYLINDER HEAD & FITTINGS



### Valve stem oil seal;

all engines to 1994 (inlet only)(8) **ERC7865A**  
"Tap washer" type, slips over valve stem.

1993 onwards (inlet & exhaust) (16) **ERR1782**  
Neoprene type - not suitable for earlier engines (pre '94);  
requires stepped valve guide (ERR3648).

### Valve spring - standard;

double - early engines (up to 1976)

inner (16) **602241A**

outer (16) **602240A**

single - 1976 on (16) **UKC8137**

### Valve spring - uprated - engine set;

single (1) **RB7454**  
Suitable for all engines with mild road camshaft. Uses  
standard retaining caps (ERC573).

double (see Note below) (1) **RB7455**  
Suitable for all engines with fast road or road/rally  
camshaft.

Special retaining caps required (ERC573S).

Note: machining may be required to spring platform when fitting  
double valve springs to engines previously fitted with singles.

### Retaining cap - valve springs;

early engines (16) **90602451A**  
Fitted with double valve springs.

single valve springs (16) **ERC573A**

uprated double valve springs(16) **ERC573S**

Split cotter - all models (32) **ERC1637A**

## WHAT IS LIFTER PRELOAD?

"Lifter preload" refers to the position of the pushrod seat in the lifter (cam follower) when the engine has been assembled and the lifter is positioned on the heel of the cam. Lifter preload must be checked whenever a non-standard component which alters the distance between the rocker arm and the lifter - such as a high lift camshaft or performance cylinder head - has been fitted. Incorrect lifter preload will cause poor running, premature wear or, at worst, engine failure.

### Check the lifter preload as follows:

With the lifters empty of oil, assemble the rocker shaft & pushrod components, making sure there is no wear in the rocker shafts, rocker arms & pushrods.

Checking each lifter in turn, positioned on the heel of the cam, measure the gap between the pushrod seat and the bottom of the circlip groove. There must be a clearance of .020" minimum and .060" maximum at this position.

If the clearance is greater than .060", use pedestal shims (603734SH) to decrease. Remember to use equal thickness shims under each pedestal of a shaft to avoid distortion or breakage.



## V8 Rocker Gear

The following parts are suitable for all engines unless otherwise stated.

Rocker shaft assembly (2) **611660A**  
Assembled, ready to fit.

Rocker build kit (2) **611660K**  
Includes parts ready for assembly.

Rocker shaft only (2) **606661A**

Pedestal - rocker shaft (8) **603734A**

Pedestal shims (1) **603734SH**  
Includes three sets of shims of different thickness. Use to set  
"lifter preload" when fitting a new cam with higher lift than  
standard. See also adjustable push rods, below.

Rocker arm;

original spec (alloy)

right hand (8) **602153**

left hand (8) **602154**

universal (16) **602154ALT**  
Alternative steel arm - non handed.

Spacer spring - rocker shaft (6) **602142A**

End spring - rocker shaft (4) **602148A**  
Wavy washer.

End washer - rocker shaft (4) **602186A**

Split pin - rocker shaft (4) **PC34**

Push rod;

standard (16) **603378**

heavy duty (16) **603378HD**  
Larger diameter shaft. Cylinder head guide holes may  
need enlarging accordingly.

adjustable (engine set) (1) **603378ADJ**  
Set of pushrods, adjustable for length at the rocker end,  
allowing the lifter preload to be precisely set without shims.



**POWDER COATED ROCKER COVERS**

## V8 Rocker Covers

Rocker covers - single;

SD1/TR8

grey painted, flat top

rh (1) **ERC262**

lh (1) **ERC263**

unpainted, flat top

rh (1) **ERC2990**

lh (1) **ERC3932**

Land Rover

carb engines - curved top

rh (1) **RTC2350**

lh (1) **ETC8604**

efi engines - black, flat top

rh (1) **LDR000210**

lh (1) **LDR000200**

Range Rover

early models - curved top

rh (1) **RTC2350**

lh (1) **ETC8604**

1986 onwards

curved top

rh (1) **ETC8681**

lh (1) **ERR7356**

flat top

rh (1) **ETC8680**

lh (1) **ETC8679**

1992 onwards

rh (1) **ERR7363**

lh (1) **ERR7360**

Series 2 Range Rover

rh (1) **ERR7367**

lh (1) **LDR000200**

Rocker covers - pairs;

unpainted

(1) **RB7431**

powder coated

black (1) **RB7431PCB**

red (1) **RB7431PCR**

Gasket - rocker cover;

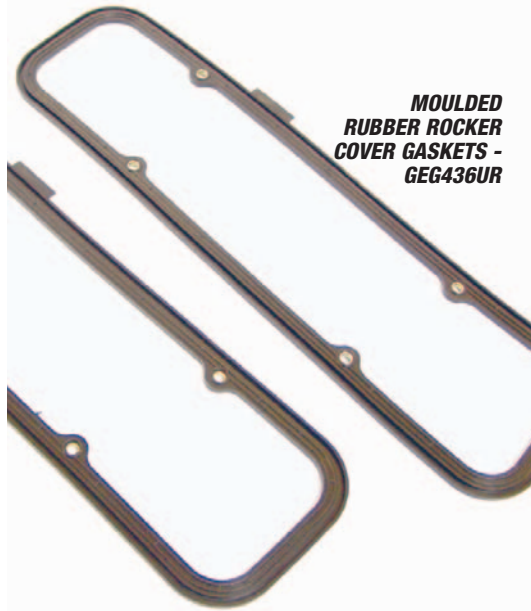
standard

(2) **GEG436**

uprated (rubber)

(2) **GEG436UR**

**MOULDED RUBBER ROCKER COVER GASKETS - GEG436UR**



Screw - rocker cover retaining;

all models except Series 2 Range Rover.

long (4) **603127**

short (4) **602530**

Series 2 Range Rover (8mm spline head)

long (4) **ERR7371**

short (4) **ERR4818**

Spring washer - rocker screws (8) **GHF331**

*Not Series 2 Range Rover.*

Flat washer - rocker screws (8) **GHF300**

*Not Series 2 Range Rover.*

Rocker cover 'T'-Bolts - chrome(2) **RB7440**

*American style rocker cover hold down bolts, supplied in sets of 4 (2 sets req'd).*

Breather/flame trap;

*Right hand rocker cover (flat top EFi), where fitted.*

original (1) **RB7432**

short type - 1/2 original size (1) **RB7432LOW**

powder coated

black (1) **RB7432PCB**

red (1) **RB7432PCR**

chrome (1) **RB7432C**

Breather grommet (pair) (1) **RB7432ZG**

'O' ring/seal-flame trap (1) **564258**

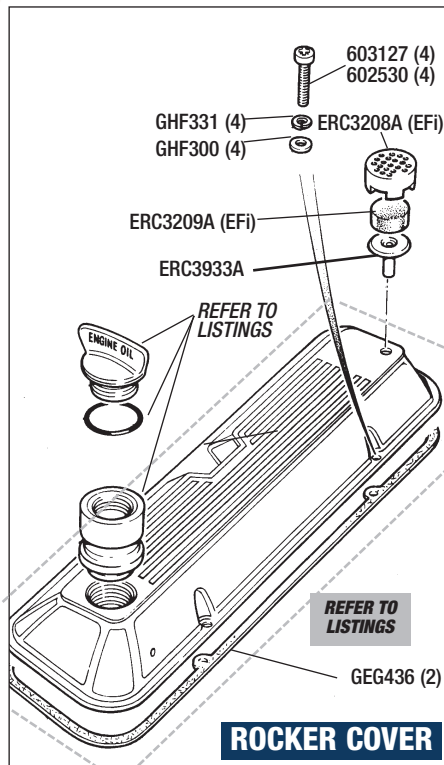
Oil filler neck;

threaded type (where fitted)(1) **ERC2989**

screw-on type (1) **ERC1208**

*Retained by screws. Range Rover only.*

Series 2 Range Rover type (1) **ERR7335**



Gasket - filler neck;

screw-on type (1) **612819**

Series 2 Range Rover type (1) **564258**

'O' ring - filler neck (if fitted) (1) **ERC8705**

Oil filler cap;

orange type (1) **625038A**

pressed steel type (1) **598231**

Series 2 Range Rover type (1) **ERR5218**

'O' ring/seal - filler cap;

orange type (1) **564258**

Series 2 Range Rover (1) **ERR5219**

Breather filter (foam) - efi models (1) **ERC3209A**

*Rear of LH rocker cover.*

Cap - breather filter (efi) (1) **ERC3208A**

Breather filter mounting (efi) (1) **ERC3933A**

Breather filter (carb engines) (1) **GFE7004**

Plug lead retainer (where fitted) (2) **603672**

*Holds 4 leads.*



## V8 Camshaft

We stock a full range of **Standard** camshafts, which represent good value for money.

In addition, we offer a choice of **Performance** camshafts - available either as complete kits or on their own - which are designed to improve torque and horsepower when fitted to standard or uprated engines.

Our **Mild Road** camshaft gives a noticeable increase in low-rev torque, with smooth idle characteristics and good fuel economy.

The **Mild Road** is a hydraulic camshaft, available on its own or as part of a kit, including followers, single valve springs and fitting instructions.

**Fast Road** camshafts are available separately as a hydraulic type only, or in complete kits as hydraulic or solid camshafts. All **Fast Road** camshafts are suitable for engines right up to 5.2 litres. They are particularly effective when used as part of a complete Performance package with our Stage 1, 3 or 4 cylinder heads, uprated fuel systems and Sports Exhausts.

**Fast Road Hydraulic** is a hydraulic camshaft which boosts top-end power whilst retaining low-end torque and good fuel economy.

**Fast Road Solid** is a solid-lifter camshaft available only as a complete kit, which includes lifters, adjustable timing chain set, adjustable pushrods, all necessary gaskets and full instructions. The **Fast Road Solid** camshaft is designed for serious performance applications, where maximum top-end power is required, whilst still being suitable for the road.

**Note:** **Fast Road Solid** camshafts can only be fitted to engines which have valve cut-outs in the pistons (pocketed pistons). All of our Performance engines are supplied with pocketed pistons.

All parts listed are suitable for Saloon/Sports and 4x4 applications unless otherwise stated.

### Camshaft only - standard;

See also Camshaft Kits.

saloon/sports applications (1) **ERC2003A**  
Carb & efi.

**Note:** some later Rover Vitesses, notably twin plenum models, were fitted with alternative camshafts, double valve springs, larger diameter rocker shafts and adjustable rocker gear. These parts are now generally unavailable but may be replaced using parts listed below.

**Fast Road Solid** camshafts can only be fitted to engines which have valve cut-outs in the pistons (pocketed pistons). All of our Performance engines are supplied with pocketed pistons.

Land Rover - 1970 to 1986

low compression engines (1) **ERC2003A**  
Compression ratios: 8.13, 8.25, 8.5:1.

high compression engines (1) **ETC6849**  
Compression ratio: 9.35:1.

Land Rover - 1986 onwards

carburettor engines

- low compression (1) **ERC2003A**  
8.13:1.

- high compression (1) **ETC6849**  
9.35:1.

efi engines

- 3.5 litre (1) **ETC6099**

- 3.9 litre (1) **ERR5924**

- 4.2 litre (1) **ERR4946**

Series 2 Range Rover

4.0 litre (1) **ERR3720**

4.6 litre (1) **ERR5250**

### Camshaft only - Performance;

See also Camshaft Kits.

Mild Road (1) **RB7444**

Straight swap for standard cam. No machining required. Use also anti pump-up followers ERC4949HD and single springs RB7454.

Fast Road (1) **RB7445**

Machining required to valve guides and spring platforms. see Camshaft Kits if fitting without modified heads.

Installation kit - camshaft (1) **RB7488**

Less cam. Includes: standard timing chain, timing cover gasket & oil seal, inlet manifold gasket & seals and 2 rocker cover gaskets. Suitability: all engines except Series 2 Range Rover.



**PERFORMANCE SOLID LIFTER CAMSHAFT KIT - RB7442S**

### CAMSHAFT KITS;

#### Standard

Suitable for all engines except Series 2 Range Rover.

kit 1 (1) **RB7125**

Includes ERC2003A cam & 16 standard followers.

kit 2 (1) **RB7489**

Includes ERC2003A cam, 16 standard followers, timing chain, timing cover gasket & oil seal, 2 x rocker cover gaskets, inlet manifold gasket & 2 x inlet manifold seals.

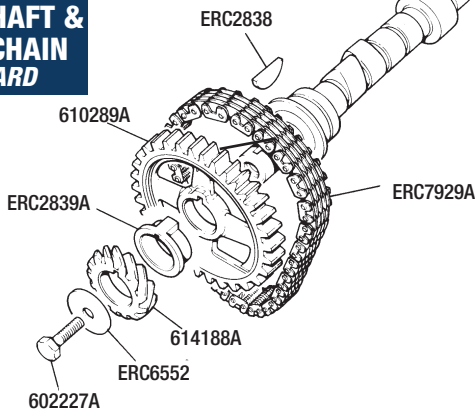


**STANDARD CAMSHAFT KIT - RB7489**

## V8 Camshaft Components

Gasket - inlet manifold - all engines;		
tin	(1)	<b>ERC3990</b>
composite	(1)	<b>ERR7306</b>
End seal - manifold gasket		
for tin gasket	(2)	<b>AJM645</b>
for composite gasket	(2)	<b>ERR7283</b>
Clamp - end seal	(2)	<b>602076</b>
Screw - end seal clamp	(2)	<b>602236</b>
Cam follower - hydraulic;		
standard		
each	(16)	<b>ERC4949</b>
set of 16	(1)	<b>ERC4949K</b>
heavy duty		
each	(16)	<b>ERC4949HD</b>
set of 16	(1)	<b>ERC4949HDK</b>
Cam lube	(1)	<b>RX1358</b>
Essential when installing a new cam & followers.		
Timing disc (Protractor)	(1)	<b>RX1359</b>
Pedestal shims	(1)	<b>603734SH</b>
Includes three sets of shims of different thickness. Use to set "lifter preload" (see Info panel) when fitting non-standard components eg cams with higher lift than standard.		
Cam bearing set (engine block)	(1)	<b>RTC5918</b>
Woodruff key - camshaft;		
early engines (Pre-1976)	(1)	<b>90602025</b>
all other engines	(1)	<b>ERC2838</b>
Thrust bolt - camshaft	(1)	<b>602227UR</b>
Replaces the standard (imperial thread) camshaft retaining bolt. Abutting the inside of the timing cover, this Teflon-topped bolt prevents excessive camshaft endfloat.		

### V8 CAMSHAFT & TIMING CHAIN STANDARD



CAMSHAFT REFER TO LISTINGS

**TO ORDER CALL 01522 568000**

## V8 Timing Chain

All parts listed are suitable for saloon, sports and 4x4 applications unless otherwise stated.

### Timing chain - all engines;

- standard (1) **ERC7929A**
  - adjustable - kit (1) **RB7449**
- Includes vernier camshaft sprocket, crank sprocket and double roller chain. Also includes timing protractor and Allen key. Fully adjustable cam sprocket allows extremely accurate cam timing whilst eliminating stretch common in original parts. Instructions included.*

### Replacement chain - double roller(1) **RB7450**

- Camshaft sprocket - standard chain;
- all engines up to Series 2 Range Rover type
- standard (nylon teeth) (1) **610289A**
- vernier type (steel teeth) (1) **610289V**
- Series 2 Range Rover type only (1) **ERR5086**
- Crankshaft sprocket - all engines(1) **90602372A**

### Spacer - camshaft;

- mechanical fuel pump engines (1) **602149**
  - all other engines (1) **ERC2839A**
- Not Series 2 Range Rover.*

### Distributor drive gear - camshaft;

- early engines (1) **602159**
- Pre-1976.*
- all other engines (1) **614188A**
- Not Series 2 Range Rover.*

### Washer - camshaft (1) **ERC6552**

*All engines except Series 2 Range Rover.*

### Bolt - camshaft;

- All engines except Series 2 Range Rover.*
  - 7/16" UNF x 1 1/8"
  - standard (1) **602227A**
  - thrust - uprated (1) **602227UR**
- Prevents excess cam endfloat.*

- M12 x 30mm (1) **ERC5749**
- Alternative - metric.*

### Flanged bolt - camshaft (M10 X 30)(1) **FS110301L**

*Series 2 Range Rover.*

### Thrust plate - camshaft (1) **ERR2609**

*Series 2 Range Rover.*

### Cam retaining collar (1) **ERR5926**

*Series 2 Range Rover.*

### Screw - thrust plate (2) **SH505061**

### Woodruff key - camshaft;

- early engines (1) **90602025A**
- Pre-1976.*
- all other engines (1) **ERC2**



**ADJUSTABLE TIMING CHAIN KIT**

**STANDARD CHAIN & SPROCKETS**

## V8 Timing Cover & Fittings

### Timing Cover Identification (to 1994)

There are 2 main types of timing cover, fitted up to late 1994:

1. saloon/sports, as fitted to Rover saloons and Triumph TR8s.
2. 4x4, as fitted to Range Rovers and Land Rovers.

The saloon/sports version has a more compact water pump, mounted lower down for improved bonnet clearance. The 4x4 version has a water pump mounted higher up. In addition, the 4x4 timing cover usually has a mud shield to protect the front crank oil seal.

Both types will fit all versions of the engine (providing suitable ancillaries are available) and both types are further categorised as follows:

The timing cover fitted to early vehicles (prior to 1976) incorporates an oil pump gear-housing designed for the early, "short" oil pump gears (refer to Oil Pump).

Later timing covers have a deeper gear-housing, accommodating the longer pump gears used from the SD1 (1976) until the introduction of the crank-driven oil pump (late 1994 - see below). Although the two types of timing cover are interchangeable, the oil pump gears and distributor would also need to be changed.

If, however, uprating the early (pre 1976) oil pump is your intention, purchase Oil Pump Kit **RB7480**, which contains a spacer plate and longer gears, along with the correct distributor drive, designed specifically for the early timing cover. (RB7480 is not suitable for later timing covers, 1976 onwards).

### Timing Cover Identification (1994 on)

The timing cover fitted to the Series 2 Range Rover is of an updated design, unsuitable for earlier models due to the fact that there is no provision for a distributor.

There is, however, an "intermediate" timing cover, fitted to late 3.9 and 4.2 models immediately prior to the introduction of the Series 2 Range Rover, which includes a combination of features from both types, such as the crank-driven oil pump and conventional distributor. Although this timing cover will fit earlier models, it can be considered as unsuitable, as the oil pump drive requires a "long-nose" crank, not fitted to earlier engines.

### Timing cover;

- saloon/sports - 1976 on (1) **ERC418**
- Deeper oil pump gear housing.*

### Range Rover Classic

- short-gear oil pump engines(1) **613260**
- Engine nos: 341,355,359 & 398, suffix A,B,C,D,E.*

- long-gear oil pump engines(1) **ETC7385**
- Engine nos: 341,355,398, suffix F and all other engines up to 1994.*

- 3.9 & 4.2 litre (1995 on) (1) **ERR3434**
- Engine nos: 35D08928B, 36D25155B, 37D02090B, 38D27238B & 40D09582B onwards.*

- intermediate engines (1) **ERR6814**
- Crank-driven oil pump & distributor (1994 on).*

### Series 2 Range Rover (1) **ERR6438**

### Gasket - timing cover;

- all engines up to 1994 (1) **603775A**
- Saloon/sports & 4x4.*

- 3.9 & 4.2 litre (1995 onwards)(1) **ERR7280**
- Engine nos: 35D08928B, 36D25155B 37D02090B, 38D27238B & 40D09582B onwards.*

### Series 2 Range Rover (1) **ERR7280**

### Dowel- block locating (2) **90602202**

### Timing cover oil seal (front);

- saloon/sports (1) **ERC7987A**
- 4x4

- early type (1) **602178**
- Press-fit seal with no retainer.*

- all other engines (1) **ERR6490**
- With screw-on mud shield.*

- Mud shield - oil seal (1) **247766**
- Where fitted - 4x4 only.*

- Screw - mud shield (8) **78782**
- 4x4 engines.*

### Timing pointer;

- saloon/sports (1) **ERC1185**
- 4x4 - all engines (1) **ETC7345**

- Screw - timing pointer (2) **HU755**

- Spring washer - timing pointer screw (2) **WM600041**

- Flat Washer (2) **RTC609**

### Bolt - timing cover to block;

- saloon/sports
- 5/16" UNC x 3" (1) **BH505241**
- 5/16" UNC x 4 1/2" (1) **254035**
- 5/16" UNC x 1 1/4" (3) **SH505101**

### Bolt - timing cover to block;

- Range Rover Classic up to 1992
- 5/16" UNC x 3" (1) **BH505241**
- 5/16" UNC x 4" (1) **602388**
- 5/16" UNC x 1 1/8" (3) **SH505091**
- 1992 onwards (flanged) (5) **FB505251S**
- (1) **FB505311S**
- (3) **FB505381S**
- Series 2 Range Rover (flanged)(5) **FB505171S**
- (4) **FB505241S**

- Washer - flat; timing cover retaining (a/r) **GHF301**

- Nut - timing cover retaining (1) **GHF201**
- All engines except Series 2 Range Rover.*

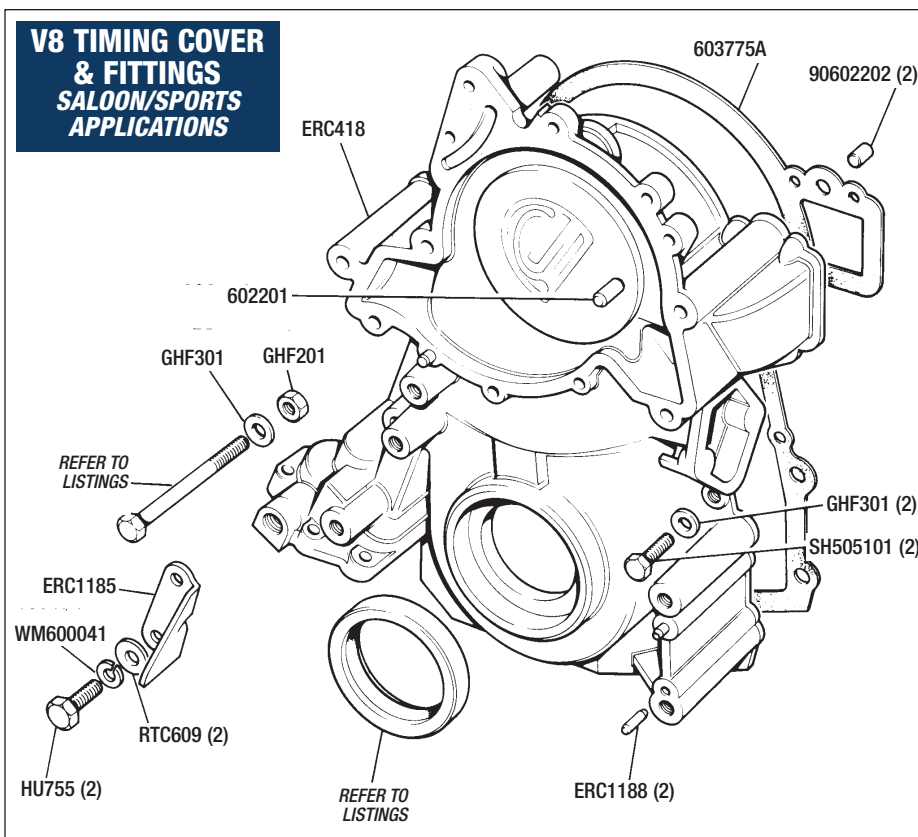
- Stud (2) **ERC1188**

- Dowel - water pump locating (2) **602201**
- All engines except Series 2 Range Rover.*

- Blanking plate - fuel pump (1) **610030**
- Early engines fitted with electric fuel pump.*

- Gasket - blanking plate (1) **602180**

- Oil pressure switch (1) **STC4104**
- Series 2 Range Rover only - fitted to timing cover.*





# V8 ENGINE REBUILD KIT

## 3.5 OR 3.9 LITRE



**ALSO CONVERT YOUR ENGINE FROM 3.5 LITRE TO 3.9 LITRE USING OUR PISTONS AND LINERS!**

### FOR THE DIY ENTHUSIAST!

These kits include everything you are likely to need for a 3.5 litre engine rebuild or conversion to 3.9 litres. We assume you'll have the block rebored (in the case of the 3.9, re-sleeved using the liners supplied) and any other machining work done as required.

Please note that your crankshaft is required in exchange. For export customers, the crank can be removed from the kit, a price adjustment made, allowing you to have the re-grinding done locally.

*We can also offer kits using performance components. Please enquire.*

<b>REBUILD KIT</b>	<b>3.5 LITRE</b>	<b>3.9 LITRE</b>
<b>PART NUMBER</b>	<b>RB2028/3.5</b>	<b>RB2028/3.9</b>

### Kit Contents:-

- Crankshaft - reground (*exchange*)
- Bearing shells to suit
- Piston set including rings and pins:
  - 3.5 litre (+ 0.020") (9.75:1)
  - 3.9 litre (standard) (9.35:1)
- Piston liner set (*3.9 litre only*)
- Oil Filter
- Sump gasket set inc oil seals
- Timing chain, crank sprocket, cam sprocket
- Camshaft and 16 followers
- Valves - Engine set (16)
- Valve guides (16)
- Valve stem oil seal (inlet) (8)
- Valve springs (16)
- Rocker shaft (2)
- Rocker arms (16)
- Head gasket set
- Core plug engine set

# V8 ENGINE COMPONENTS

## V8 Cylinder Block Components

All parts listed are suitable for saloon, sports and 4x4 applications unless otherwise stated.

**Cylinder block - bare;**  
Suitable for all applications. Bare cylinder blocks are supplied with main bearing caps, cam bearings, core plugs and cylinder liners but less crankshaft, pistons etc.

- 3.5 litre (1) **ERC6934**
- 3.9 & 4.2 litre (1) **ERR7350**
- 4.0 & 4.6 litre (1) **ERR7349**

**Cylinder liner set - 3.9 litre (1) RB7486**  
Set of 8 liners for converting 3.5 engines to 3.9 litre bore. Also suitable for replacing the liners in an existing 3.9 litre (or larger capacity) engine.

**Liner & piston set - 3.9 litre (1) RB2029**  
As above, but kit includes standard size 9.35:1 compression pistons and rings for 3.9 conversions.

### Head gasket set - V8;

- 3.5 litre (88.9mm bore)
  - tin head gaskets to 1976 (pre SD1) (1) **GEG165**
  - 1976 on (1) **GUG1066HS**
  - composite head gaskets\* (1) **GUG1066HSC**
- 3.9/4.2 litre (94mm bore)
  - 3 rows of cylinder head bolts.
    - tin head gaskets (1) **RB7447**
    - composite head gaskets\* (1) **RB7447C**
  - 3.9/4.2/4.0/4.6 litre (94mm bore) (1) **RA1233**
  - 2 rows of cylinder head bolts. Composite head gaskets.
- 5.2 litre (96mm bore) (1) **RB7684**
- Composite head gaskets\*.

### Head gasket only- V8;

- 3.5 litre (88.9mm bore)
  - tin gasket (2) **GEG340**
  - composite gasket\* (2) **GEG340C**
- 3.9/4.2 litre
  - 3 rows of cylinder head bolts.
    - tin gasket (2) **RB7448**
    - composite gasket\* (2) **RB7448C**
  - 3.9/4.2/4.0 & 4.6 litre
    - 2 rows of cylinder head bolts.
      - tin gasket (2) **ETC7819**
      - composite gasket\* (2) **ERR7217**
- 5.2 litre (96mm bore) (2) **RB7685**
- Composite gasket\*.

\*Composite head gaskets are thicker than standard tin gaskets and will therefore lower the engine's compression ratio. Ideal for correcting compression ratio when heads/block faces have been skimmed. (Not applicable 1995 on).

Approximate gasket thicknesses are as follows:

Standard (tin) gaskets 0.5mm

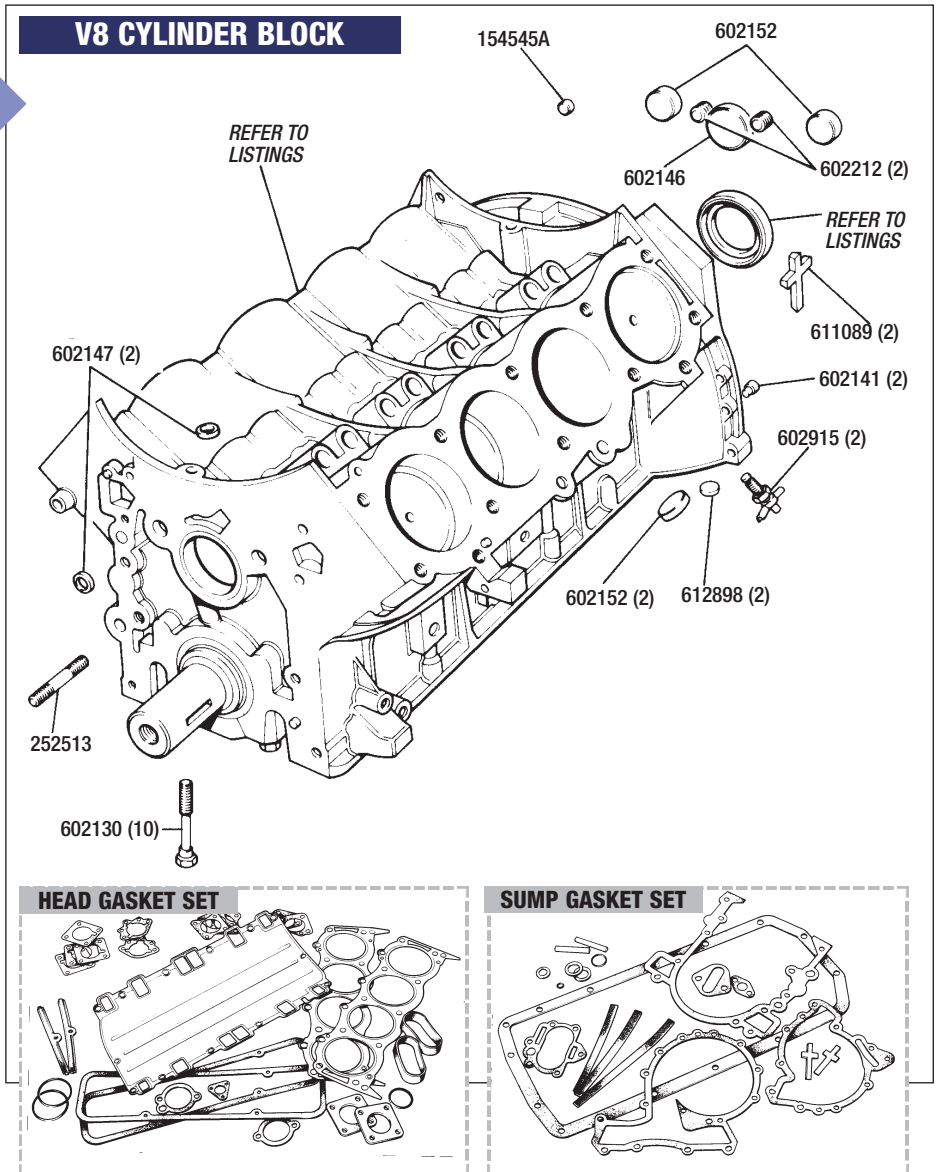
Composite gaskets 1.2mm

Typical effect on compression ratio:

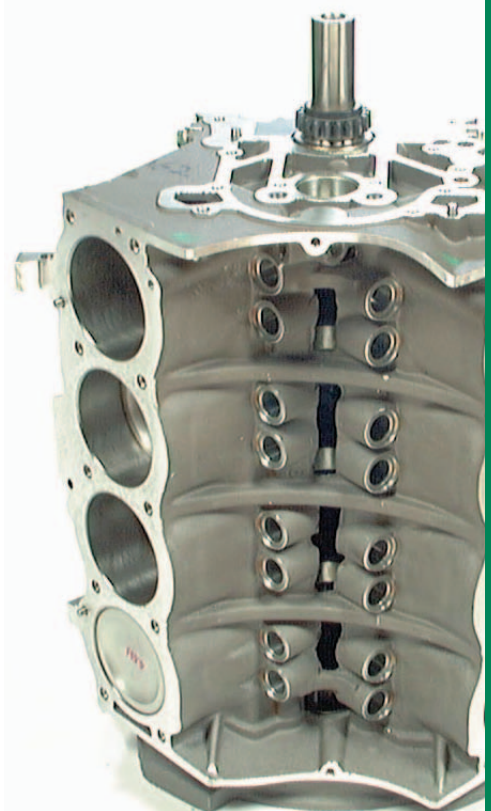
Standard (tin) gaskets 3cc

Composite gaskets 10cc

- Sump gasket set (inc. seals);
  - all engines up to 1991 (1) **GUG1538CS**
  - all engines 1992 onwards (1) **STC1639**
- Sump gasket only (All engines) (1) **AJM539**
- Seal - rear main bearing cap (2) **611089A**
- Cruciform seal.
- Crankshaft oil seal - rear;
  - early (rope type) (1) **613855**
  - Very early engines only.
  - all other engines (1) **ERR2640**
- Timing cover oil seal - front;
  - saloon/sports 4x4 (1) **ERC7987A**
  - early type (1) **602178**
  - Press-fit seal with no retainer.
  - all other models (1) **ERR6490**
  - With Screw-on retainer.
- Core plug set - all engines (1) **RB7105**
- Cam bearing set;
  - all engines except 4.0 & 4.6(1) **RTC5918**
  - 4.0 & 4.6 models (1) **STC1961**
- Series 2 Range Rover type engines.



- Dowel - bellhousing flange (2) **602141**
- Drain tap - block (2) **602915**
- Drain plug (2) **129077**
- Alternative to tap.
- Core plug (2) **612898**
- Lower bellhousing flange.
- Bolt - main bearing cap (10) **602130**
- All engines.
- Stud kit - main bearing cap (1) **RB7456**
- (Engine set) Used instead of standard main bearing bolts, studs provide superior clamping for main bearing caps, preventing them from working loose.
- Cross-bolt - main bearing cap (9) **FB110137**
- 4.0 & 4.6 cross-bolted engines.
- Hex-screw - main bearing cap (1) **SS110555**
- 4.0 & 4.6 cross-bolted engines.
- Oil seal - for FB110137 (9) **ERR3330**
- Oil seal - for SS110555 (1) **ERR3331**
- Stud - front of block (1) **252513**
- Not 4.0 & 4.6 litre engines.
- Plug - front of block (4) **602147**
- Breather pipe - crankcase (1) **603143**
- Early engines.
- Core plug - rear of block (1) **154545**
- Later models - replaces breather.
- Core plug - side & rear of block(8) **602152**
- Core plug - camshaft rear (1) **602146**
- Threaded plug;
  - all engines except 4.0 & 4.6(2) **602212**
  - 4.0 & 4.6 engines (2) **ERR4314**
- Crank sensor housing (1) **ERR3693**
- 4.0 & 4.6 engines.



## V8 Sump Pan & Oil Pick-up Pipe

**Standard sumps** are available in Saloon/Sports and 4x4 types. **Performance sumps** are available for Saloon/Sports applications. Based on the Rover SD1-type sump, these are specially designed, enlarged sumps, with extra baffles to prevent oil starvation during high-speed cornering. We also supply (to special order) a modified sump designed specifically for Westfield type sports cars. This sump incorporates special baffles to prevent oil starvation during track-day use, and is available in standard and extra ground clearance versions.

### Sump pan - standard;

#### Saloon/Sports

SD1/TR8-type sump.

- without oil level sensor (1) **ERC2776**
- with oil level sensor (1) **ERC8544**

#### 4x4

Land Rover/Range Rover sump.

- except Series 2 Range Rover (1) **ERR4633**
- Series 2 Range Rover (1) **ERR5220**

### Sump pan - Performance;

Performance sumps are exchange.

Saloon/Sports applications (1) **ERC2776PERF**

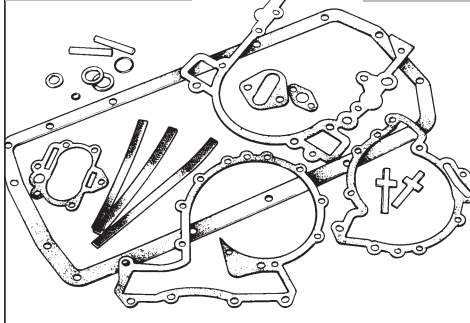
Westfield type applications

- standard clearance (1) **RQ1001**
- extra ground clearance (1) **RQ1001LOW**

Oil level sensor - saloon sump (1) **DRC8005**

### SUMP GASKET SET

**GUG1538CS**



### Sump gasket set (inc. seals);

- all engines up to 1991 (1) **GUG1538CS**
- all engines 1992 onwards (1) **STC1639**

Sump gasket only (1) **AJM539**

All engines.

### Sump bolt/washer;

saloon/sports

- medium (14) **SH505051**
- long (2) **603944**

4x4 (16) **SH505051**

Reinforcing strip - rear of sump (1) **603943**

Saloon/sports only.

### Drain plug - sump;

- all (except Series 2 Range Rover) (1) **603659**
- Series 2 Range Rover (1) **UAM2957**

### Washer - sump drain plug;

- all (except Series 2 Range Rover) (1) **213961**
- Series 2 Range Rover (1) **UAM2857**

### Oil pick-up strainer;

- saloon/sports (1) **ERC1585**
- 4x4

- all (except Series 2 Range Rover) (1) **ERR3677**
- Series 2 Range Rover (1) **ERR4795**

Oil screen - pick-up pipe (1) **602070A**

All engines.

Gasket - pick-up strainer (1) **90602068**

All engines except Series 2 Range Rover.

O-ring - pick-up strainer (1) **ERR4795**

Series 2 Range Rover engines.

Spacer - pick-up strainer (1) **ERR4793**

Series 2 Range Rover engines.

### Setscrew - strainer to block;

- all (except Series 2 Range Rover) (2) **253407**
- Series 2 Range Rover engines (2) **FS106167**

Spring washer - setscrew (2) **GHF331**

All engines except Series 2 Range Rover.

Nut - strainer (2) **NH605041**

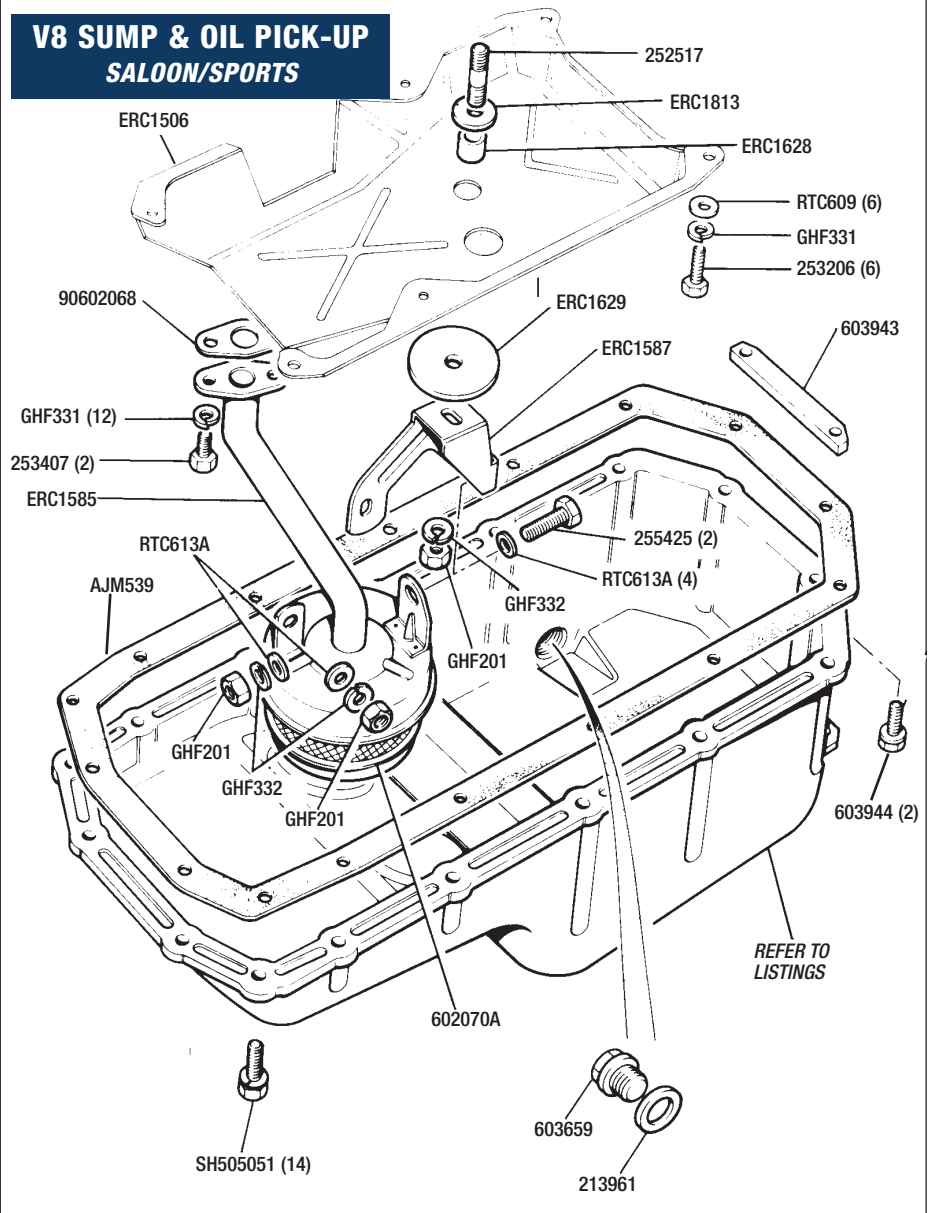
Series 2 Range Rover engines.

Baffle plate - removable (1) **ERC1506**

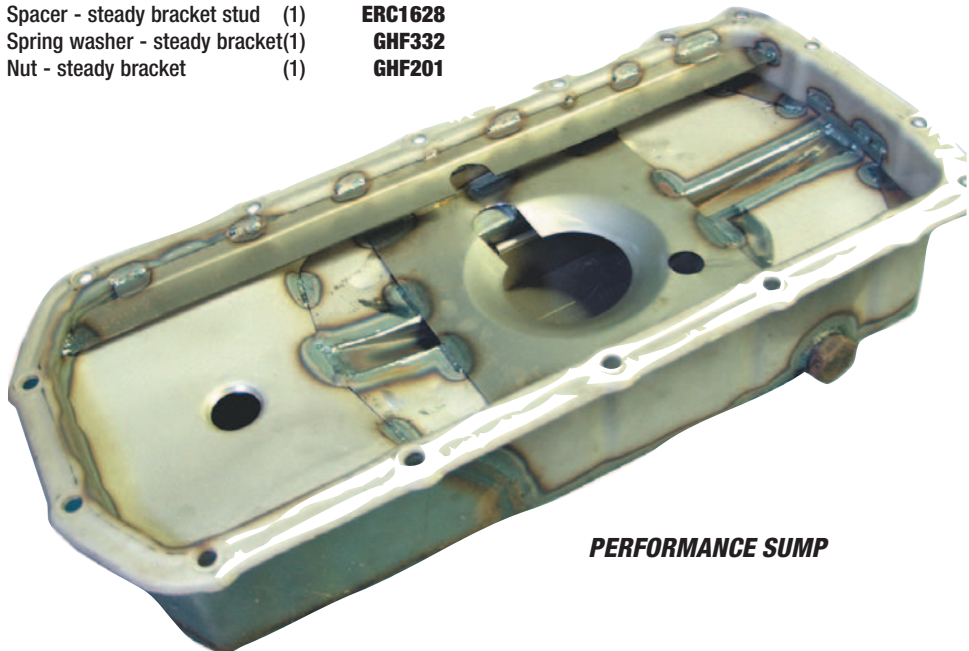
Saloon/sports sump only.

Screw - baffle plate (6) **253206**

## V8 SUMP & OIL PICK-UP SALOON/SPORTS

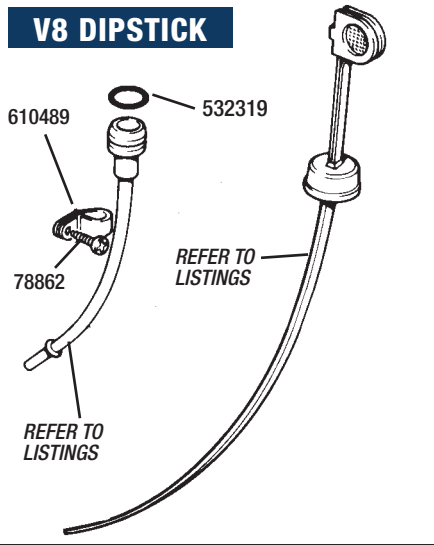


- |                                        |                |                                  |                |
|----------------------------------------|----------------|----------------------------------|----------------|
| Spring washer - baffle plate (6)       | <b>GHF331</b>  | Setscrew* (2)                    | <b>255425</b>  |
| Flat washer - baffle plate (6)         | <b>RTC609</b>  | Flat washer* (2)                 | <b>RTC613A</b> |
| Steady bracket - pick-up pipe (1)      | <b>ERC1587</b> | Spring washer* (2)               | <b>GHF332</b>  |
| Saloon/sports only.                    |                | Nut* (2)                         | <b>GHF201</b>  |
| Large washer - steady bracket (1)      | <b>ERC1629</b> | *Pick-up pipe to steady bracket. |                |
| Saloon/sports only.                    |                |                                  |                |
| Stud - steady bracket (1)              | <b>252517</b>  |                                  |                |
| Small washer - steady bracket stud (1) | <b>ERC1813</b> |                                  |                |
| Spacer - steady bracket stud (1)       | <b>ERC1628</b> |                                  |                |
| Spring washer - steady bracket (1)     | <b>GHF332</b>  |                                  |                |
| Nut - steady bracket (1)               | <b>GHF201</b>  |                                  |                |



**PERFORMANCE SUMP**

**V8 DIPSTICK**



**V8 Dipstick**

The length of the dipstick tube varies considerably depending on application: SD1 saloons have a long dipstick tube and Land Rovers a much shorter one. To get an accurate oil level reading, therefore, the dipstick & tube must match the engine.

<b>Dipstick;</b>		
SD1 saloon	(1)	<b>ERR1922</b>
TR8 (original)	(1)	<b>614293</b>
<b>Range Rover</b>		
all models 1970 - 1985	(1)	<b>603173</b>
1986 (up to Series 2 Range Rover)	(1)	<b>ERR1922</b>
Series 2 Range Rover	(1)	<b>ERR4905</b>
<b>Dipstick tube;</b>		
SD1 saloon	(1)	<b>ERC6437A</b>
TR8 (original)	(1)	<b>ERC2690</b>
<b>Range Rover</b>		
all models 1970 - 1985	(1)	<b>ERC2571</b>
1986 (up to Series 2 Range Rover)	(1)	<b>ERR4556</b>
Series 2 Range Rover	(1)	<b>ERR4550</b>
<b>O-ring - dipstick tube</b>		
saloon/sports	(1)	<b>532319</b>
Range Rover	(1)	<b>602545</b>
<i>Except Series 2 Range Rover.</i>		
Retaining clip - dipstick tube	(1)	<b>610489</b>
<i>Screws to rocker cover. Suitable for all engines.</i>		
Clamp - dipstick tube	(1)	<b>602449</b>
<i>Screws to adjacent cylinder head bolt. Suitable for all engines where fitted.</i>		

**V8 Crankshaft**

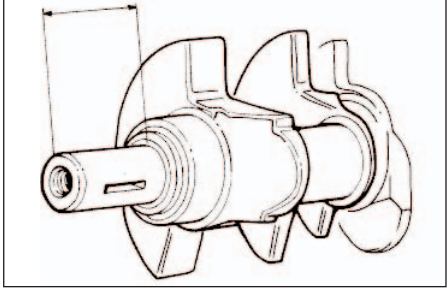
All parts listed are suitable for Saloon/sports and 4x4 applications unless otherwise stated.  
 Note: Around mid 1994, Land Rover introduced a crankshaft-driven oil pump - built into the timing cover - for certain 3.9 litre and larger engines. These engines required a crankshaft with a longer 'nose' than previous engines. For this reason, crankshafts are available with two different nose lengths, as follows:  
 All 3.5 litre engines, plus factory 3.9 & 4.2 litre engines up to around mid-1994 (exact engine numbers listed below), are fitted with **short-nose** (70.6mm) cranks. These engines have camshaft-driven oil pumps and separate drivebelts for ancillary components.  
 3.9 & 4.2 litre engines from around mid-1994 (engine numbers listed below) onwards are fitted with **long-nose** (90.3mm) cranks. These engines have crank-driven oil pumps and a single, 'serpentine' drivebelt for the ancillary components.

Please check your engine number before ordering. The exchange unit must be a similar type, otherwise a surcharge will apply.

**Crankshaft;**  
 Reconditioned units are exchange.

<b>3.5 litre (short nose)</b>		
new, less bearings	(1)	<b>612989</b>
reground, inc. bearings	(1)	<b>612989R</b>
<b>3.9 litre</b>		
<b>short nose</b>		
<i>Factory 3.9 engines up to engine nos: 35D08966, 36D25523, 37D01931 &amp; 38D27330.</i>		
new, less bearings	(1)	<b>612989</b>
reground, inc. bearings	(1)	<b>612989R</b>
<b>long nose</b>		
<i>Factory engines, above engine nos onwards.</i>		
new, less bearings	(1)	<b>ERR4060</b>
reground, inc. bearings	(1)	<b>ERR4060R</b>
<b>4.2 litre</b>		
<i>New, less bearings.</i>		
up to eng.no.40D09581	(1)	<b>ERR3037</b>
<i>Short nose.</i>		
eng.no.40D09582 on	(1)	<b>ERR4152</b>
<i>Long nose.</i>		
<b>4.3 &amp; 4.8 litre stroker kits;</b>		
<i>See 'Stroker Kits' panel.</i>		
<i>Includes new 86mm stroke crankshaft, con rods, pistons/rings &amp; bearings. Not suitable for 4.0 or 4.6 litre blocks.</i>		
4.3 litre kit	(1)	<b>RB7678</b>
4.8 litre kit	(1)	<b>RB7677</b>
<b>Series 2 Range Rover engines</b>		
<i>New, less bearings.</i>		
4.0 litre	(1)	<b>ERR5090</b>
4.6 litre	(1)	<b>ERR5091</b>

**LENGTH OF CRANK NOSE**



**Main bearing set;**  
 all engines except Series 2 Range Rover.

standard size	(1)	<b>RTC1718</b>
oversize + 0.010"	(1)	<b>RTC1718.010</b>
oversize + 0.020"	(1)	<b>RTC1718.020</b>
oversize + 0.030"	(1)	<b>RTC1718.030</b>
oversize + 0.040"	(1)	<b>RTC1718.040</b>
oversize + 0.060"	(1)	<b>RTC1718.060</b>

**Series 2 Range Rover engines(1)** **STC1425**  
 4.0 & 4.6 Litre.  
 Note: The latest bearing sets feature thrust plates only on the upper half of centre bearing.

**Main bearing set - heavy duty;**  
 all engines except Series 2 Range Rover.

standard size	(1)	<b>RB7452</b>
oversize + 0.010	(1)	<b>RB7452.010</b>
oversize + 0.020	(1)	<b>RB7452.020</b>

**Bolt - main bearing cap** (10) **602130A**  
 All models.

**Stud kit - main bearing cap** (1) **RB7456**  
 (Engine set) Used instead of standard main bearing bolts, these ARP studs provide superior clamping for main bearing caps, preventing them from working loose. Recommended for Performance Engines.

**Cross-bolt - main bearing cap** (9) **FB110137**  
 3.9, 4.0 & 4.6 litre cross-bolted engines.

**Hex-screw - main bearing cap** (1) **SS110555**  
 3.9, 4.0 & 4.6 litre cross-bolted engines.

**Oil seal;**

for FB110137	(9)	<b>ERR3330</b>
for SS110555	(1)	<b>ERR3331</b>

**Crankshaft oil seal (rear);**

rope type (very early engines)	(1)	<b>613855</b>
lip type	(1)	<b>ERR2640</b>

**Cruciform seal** (2) **611089A**  
 Rear main bearing cap.

**Timing cover oil seal (front);**

saloon/sports	(1)	<b>ERC7987A</b>
<b>4x4</b>		
early type	(1)	<b>602178</b>
<i>Press-fit seal with no retainer.</i>		
all other engines	(1)	<b>ERR6490</b>
<i>With screw-on retainer.</i>		

**Spigot bush - crankshaft;**

<b>saloon/sports</b>		
manual transmission	(1)	<b>614263</b>
automatic transmission	(1)	<b>610196</b>
4x4 - manual & auto	(1)	<b>549911</b>

**Woodruff key;**

all 3.5, 3.9 & 4.2 up to 1992	(1)	<b>90602025A</b>
3.9 & 4.2 1992 onwards	(1)	<b>ERR2846</b>
<i>Also 4.0 &amp; 4.6 Series 2 Range Rover type.</i>		

**Crankshaft sprocket - all models**(1) **90602372**

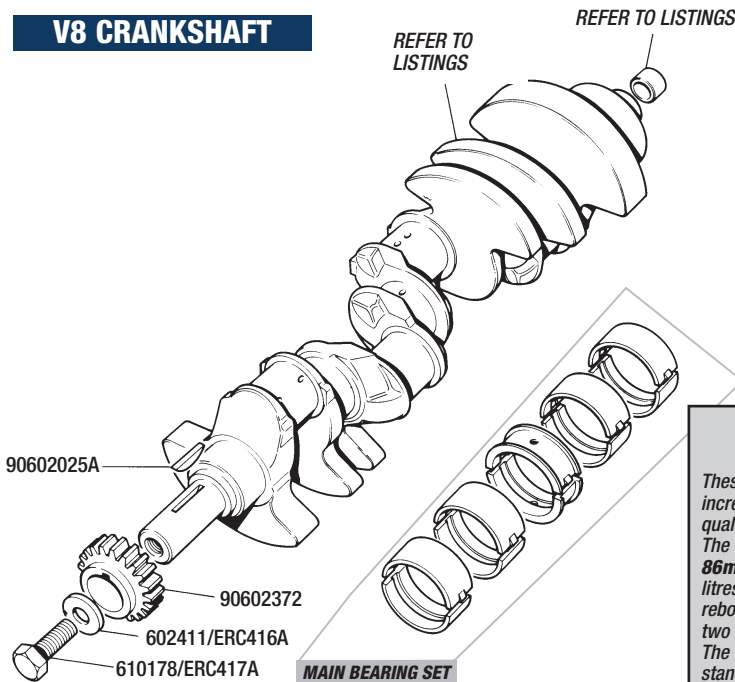
**Bolt - crankshaft pulley;**

starting dog type	(1)	<b>610178</b>
<i>Fitted to some 4x4 engines.</i>		
standard bolt	(1)	<b>ERC417A</b>

**Washer - crankshaft pulley;**

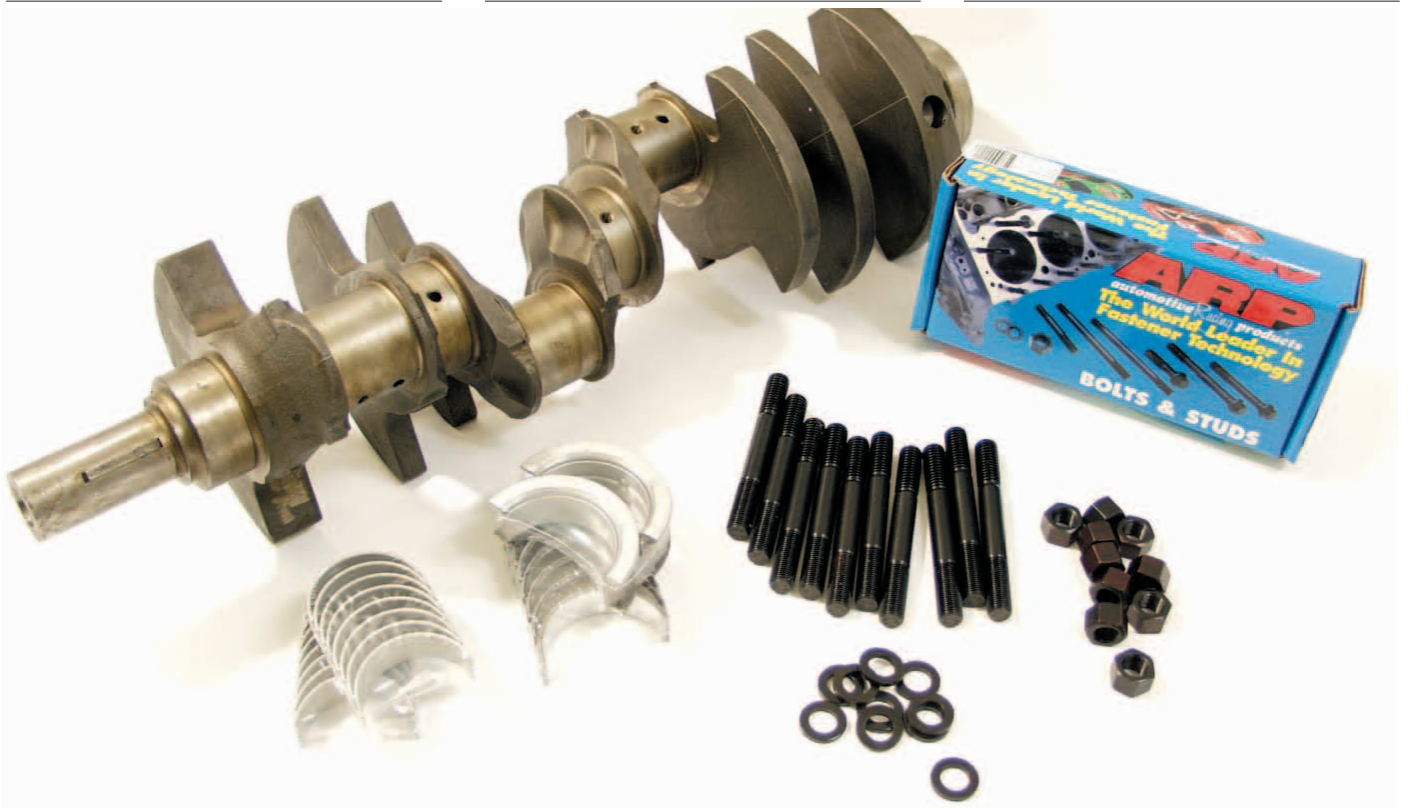
starting dog type	(1)	<b>602411</b>
standard bolt type	(1)	<b>ERC416A</b>

**V8 CRANKSHAFT**



**'Stroker' Kits**

These kits enable you to enlarge the cubic capacity of your existing engine by increasing the stroke, hence the name 'stroker'. The kits comprise a brand new, high quality crankshaft, conrods and pistons (with bearings and piston rings supplied). The stroke is increased from the standard 3.5/3.9 engine's 71.1mm to a massive **86mm**, (longer than the standard 4.6 litre stroke of 82mm) giving a capacity of **4.3** litres on a 3.5 engine and **4.8** litres on a 3.9 engine. Both engines require a 20 thou rebore before fitting. Finally, a small amount of grinding is required to the bottom of two cylinder liners (full instructions supplied) to allow clearance for crank rotation. The result of the extra stroke is a huge increase in torque, even on an otherwise standard engine. Alternatively, you have the basis of a high performance engine, to which you can add our fully modified, big valve cylinder heads, uprated camshaft and sports exhaust system.



## V8 Crankshaft Pulley

### CRANKSHAFT PULLEY - SD1 & TR8

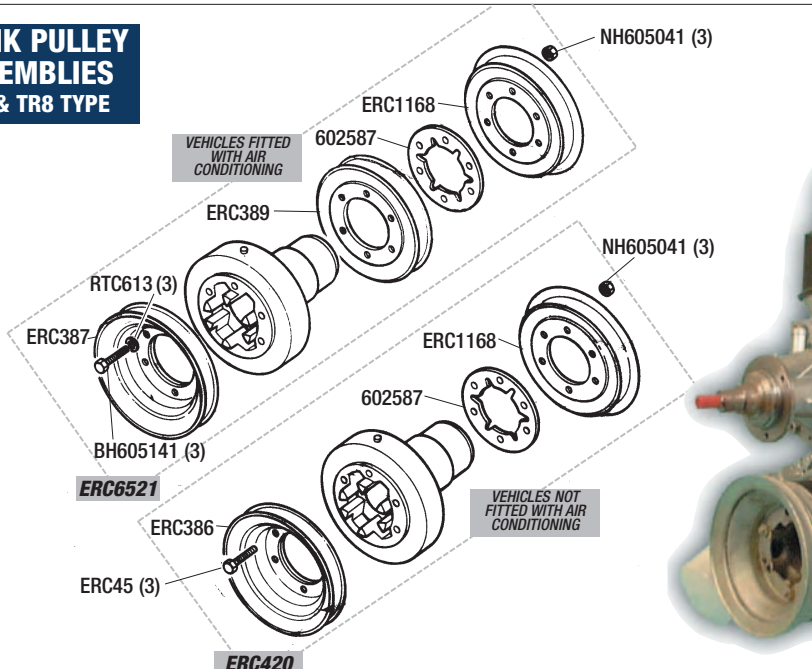
- Pulley assembly - crankshaft - SD1/TR8 engines;
- non air conditioning (1) **ERC420**
  - pulley - water pump\* (1) **ERC386**
  - bolt - water pump pulley\* (3) **ERC45**
  - reinforcing plate\* (1) **602587**
  - pulley - power steering\* (1) **ERC1168**
  - nut - power steering pulley\*(3) **NH605041**
  - \*Comprising pulley assembly ERC420.*
  - with air conditioning (1) **ERC6521**
  - pulley - water pump\* (1) **ERC387**
  - bolt - water pump pulley\* (3) **BH605141**
  - washer - pulley bolt\* (3) **RTC613**
  - pulley - air compressor\* (1) **ERC389**
  - reinforcing plate\* (1) **602587**
  - pulley - power steering\* (1) **ERC1168**
  - nut - power steering pulley\*(3) **NH605041**
  - \*Comprising pulley assembly ERC6521.*

### CRANKSHAFT PULLEY COMPONENTS - LAND ROVER

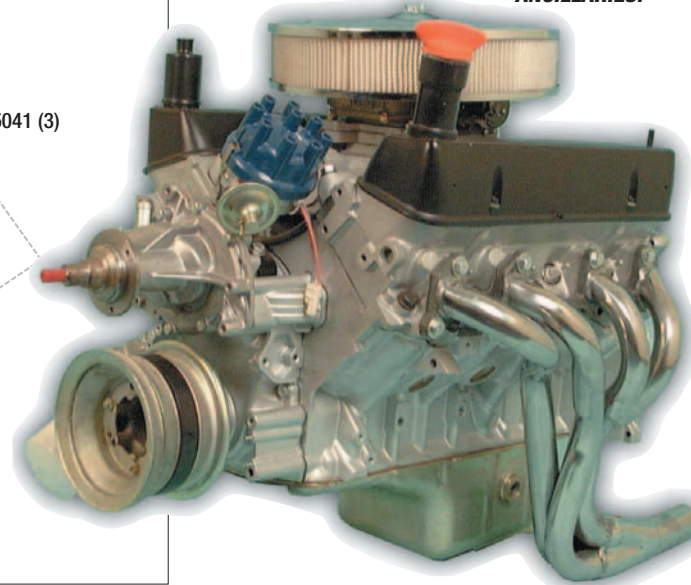
- Pulley - water pump/alternator belt;
- non air con
    - non p.a.s. models to 1985(1) **611019**
    - p.a.s. models to 1985 (1) **ETC4330 & ETC4369**
    - Order 1 of each*
  - air con models;
    - p.a.s. & non p.a.s. to 1985(1) **ETC4330 & ETC4354**
    - Order 1 of each*
    - 1986 on, carb & efi (1) **ETC5679**
    - Up to 1992 (VIN JA)*
    - 1993 models up to following engine nos:
      - 35D08967B, 36D25524B, 37D01932B
      - 38D27331B & 40D09582B(1) **ERR2799**
      - above engine nos. onwards(1) **ERR4866**
      - Up to Series 2 Range Rover.*
    - Series 2 Range Rover (4.0&4.6) (1) **LHG100670**

- Vibration damper - 3.5 & 3.9;
  - all models up to 1992 (1) **ERC5462**
  - 1992 models up to following engine nos:
    - 35D08967B, 36D25524B, 37D01932B & 38D27331B (3.9 litre) (1) **ETC7339**
    - above engine nos. onwards (1) **ERR3442**
- Vibration damper - 4.2 (1) **ERR4594**
- Engine no. 40D09582B onwards.*
- Pulley - power steering belt (1) **ETC4330**
- All p.a.s. models except Series 2 Range Rover.*
- Balancing rim;
  - all models to 1991 (3.5) (1) **603301**
  - models from 1992 on (3.9) (1) **ETC7996**
- Mud deflector (1) **613671**
- Reinforcing plate (1) **602587**
- All models except 4.0 & 4.6.*
- Bolt - crankshaft pulley assembly;
  - non p.a.s. models (6) **GHF104**
  - p.a.s. & air con models (6) **BH605141**
- Nut - all models (6) **NH605041**

### CRANK PULLEY ASSEMBLIES SD1 & TR8 TYPE



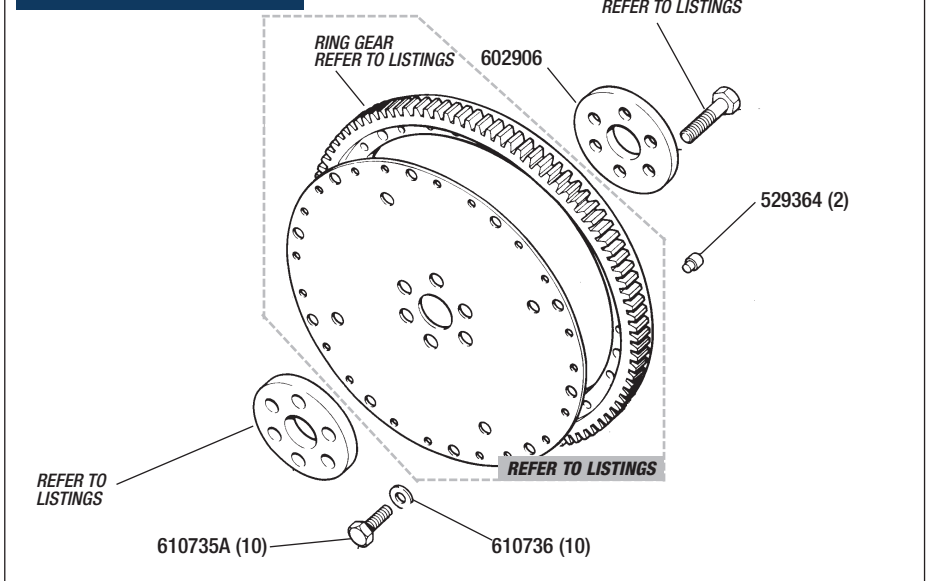
**DISPLAY ENGINE FITTED WITH 4-BARREL CARB, TUBULAR MANIFOLDS AND OTHER ANCILLARIES.**



## V8 Drive Belts

Water pump/alternator drivebelt - Land Rover;		
carb engines		
non air con	(1)	<b>ETC7394</b>
air con	(1)	<b>614670</b>
efi engines	(1)	<b>ERR5579</b>
<i>Serpentine belt.</i>		
Water pump/alternator drive belt - saloon/sports;		
TR8	(1)	<b>GFB215</b>
SD1		
carb		
non air-con	(1)	<b>GFB215</b>
with air-con	(1)	<b>GCB51118</b>
efi	(1)	<b>GCB51118</b>
34A engines	(1)	<b>GCB10838</b>
Water pump drive belt - Land Rover;		
1970 to 1985 (VIN BA)		
non air con	(1)	<b>613602</b>
with air con	(1)	<b>614670</b>
1986 onwards (carb & efi)		
up to 1994 (v-belt)	(1)	<b>611612</b>
1994 onwards (serpentine belt)		
non air con	(1)	<b>ERR4461</b>
with air con	(1)	<b>ERR4623</b>
Alternator drive belt - Land Rover;		
carb		
non air con	(1)	<b>613602</b>
with air con	(1)	<b>614794</b>
efi		
1986 to 1992 (VIN JA)	(1)	<b>ERR2073</b>
1993 (VIN KA) onwards	(1)	<b>ERR2678</b>
Steering pump drive belt;		
TR8	(1)	<b>GFB20864</b>
SD1		
early engines	(1)	<b>GCB20825</b>
<i>With separate pump &amp; reservoir.</i>		
later engines	(1)	<b>GFB20864</b>
<i>With combined pump &amp; reservoir.</i>		
Land Rover	(1)	<b>ERC675</b>
<i>Carb models.</i>		
Range Rover;		
1970 to 1994		
<i>With separate belt for p.a.s.</i>		
1995 onwards	(1)	<b>ERC675</b>
<i>With serpentine drivebelt.</i>		
non air con	(1)	<b>ERR4461</b>
with air con	(1)	<b>ERR4623</b>
Air con compressor drive belt - saloon/sports;		
TR8	(1)	<b>ERC304</b>
SD1	(2)	<b>GFB20768</b>
Air con compressor drive belt - Range Rover;		
up to 1994	(1)	<b>611612</b>
<i>With separate drivebelt.</i>		
1995 onwards	(1)	<b>ERR4623</b>
<i>With serpentine drivebelt.</i>		
Idler pulley belt - Range Rover	(1)	<b>ERC675</b>
<i>Up to Oct 1985.</i>		
Air pump drivebelt - detoxed V8(1)		<b>RTC3267</b>
<i>Range Rover with detoxed carb engine.</i>		

## DRIVE PLATE - AUTO SALOON/SPORTS



## V8 Flywheel & Driveplate

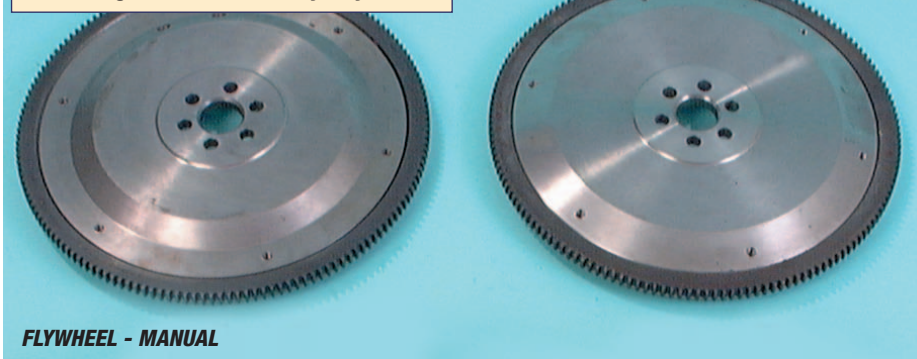
All parts listed are suitable for saloon, sports and 4x4 applications unless otherwise stated.

Flywheel (manual);		
<i>Includes ring gear.</i>		
saloon/sports		
<i>Suitable for 9.5"/240mm clutch.</i>		
standard	(1)	<b>612368</b>
lightened	(1)	<b>612368L</b>
Land Rover/Range Rover	(1)	<b>ERR5575</b>
<i>Suitable for 10.5"/266.5mm clutch.</i>		
<i>Note: will not fit inside standard saloon/sports bellhousing.</i>		
Series 2 Range Rover	(1)	<b>ERR5396</b>
Ring gear - all manual flywheels(1)		<b>611323</b>
Bolt - flywheel to crankshaft;		
saloon/sports	(6)	<b>255466</b>
4x4	(6)	<b>SH607081</b>
Dowel - clutch locating	(3)	<b>502116</b>
Driveplate (automatic);		
saloon/sports		
Borg Warner	(1)	<b>603341</b>
GM180	(1)	<b>RKC5805</b>
Range Rover/90 V8 efi		
3-sp	(1)	<b>FRC5005</b>
<i>Less ring gear</i>		
4-sp - complete assembly		
1986 to Series 2 Range Rover(1)		<b>FRC7851</b>
Series 2 Range Rover	(1)	<b>ERR5658</b>
Bolt - driveplate to crankshaft;		
saloon/sports		
Borg Warner	(6)	<b>602905</b>
GM180	(6)	<b>ULC5091</b>
Land Rover		
all (except Series 2 Range Rover)(6)		<b>SS607061</b>
Series 2 Range Rover	(6)	<b>SS607120</b>

Ring gear - all automatic vehicles(1)		<b>603340</b>
<i>Not including Series 2 Range Rover, which is not available separately.</i>		
Bolt - ring gear to driveplate;		
saloon/sports	(10)	<b>610735</b>
Range Rover	(10)	<b>FTC4388</b>
Washer - ring gear to drive plate(10)		<b>610736</b>
<i>All automatic vehicles.</i>		
Dowel - auto driveplate	(2)	<b>529364</b>
Spacer - driveplate to crankshaft (auto);		
saloon/sports	(1)	<b>602906</b>
Range Rover		
3-sp	(1)	<b>FRC5003</b>
4-sp up to Series 2 Range Rover(1)		<b>FTC651</b>
Spacer - to torque converter - saloon/sports;		
Borg Warner	(1)	<b>90603295</b>
GM180	(1)	<b>TKC7350</b>
Spigot aligner - Range Rover;		
3-sp	(1)	<b>FRC5006</b>
4-sp to Series 2 Range Rover(1)		<b>FRC7075</b>
Series 2 Range Rover	(1)	<b>FTC4606</b>
Bolt - spigot aligner - Range Rover;		
3-sp	(4)	<b>SH110251</b>
4-sp to Series 2 Range Rover(4)		<b>BH110111</b>
Series 2 Range Rover		
4.0		
up to eng 593A	(4)	<b>FS110141M</b>
eng 594A onwards	(4)	<b>FS110251L</b>
4.6		
up to eng. 450A	(4)	<b>FS110141M</b>
eng 451A onwards	(4)	<b>FS110251L</b>
Washer - spigot aligner bolt	(4)	<b>WL110001</b>
<i>All auto Range Rovers except Series 2 Range Rover.</i>		
Converter drive plate - auto	(1)	<b>FRC7081</b>
<i>4-sp auto Range Rovers, 1986 to Series 2 Range Rover.</i>		
Buttress ring - 4-sp auto Range Rover;		
1986 to Series 2 Range Rover(1)		
Series 2 Range Rover	(1)	<b>FRC7080</b>
Series 2 Range Rover	(1)	<b>FTC1117</b>
Selective shim - torque converter height;		
<i>4-sp auto Range Rover, 1986 to Series 2 Range Rover.</i>		
1.25mm	(A/R)	<b>FRC9203</b>
1.45mm	(A/R)	<b>FRC9205</b>
1.65mm	(A/R)	<b>FRC9207</b>
1.85mm	(A/R)	<b>FRC9209</b>
2.05mm	(A/R)	<b>FRC9211</b>
Selective shim - torque converter height;		
<i>Series 2 Range Rover only.</i>		
1.20/1.25	(A/R)	<b>FTC1680</b>
1.30/1.35	(A/R)	<b>FTC1681</b>
1.40/1.45	(A/R)	<b>FTC1682</b>
1.50/1.55	(A/R)	<b>FTC1683</b>
1.60/1.65	(A/R)	<b>FTC1684</b>
1.70/1.75	(A/R)	<b>FTC1685</b>
1.80/1.85	(A/R)	<b>FTC1686</b>
1.90/1.95	(A/R)	<b>FTC1687</b>
2.00/2.05	(A/R)	<b>FTC1688</b>
2.10/2.15	(A/R)	<b>FTC1689</b>

## MORE STOCK EVERY DAY

If the part you require is not listed here, please enquire, we can check factory parts listings and stock availability for you.



FLYWHEEL - MANUAL

## V8 Pistons

Piston set;  
Piston sets comprise 8 pistons complete with rings & gudgeon pins.

3.5 litre

low compression (8.13:1 cr)

See Single Piston section for other low comp pistons.

standard size (1) **RB7104**

oversize + 0.020" (1) **RB7104.020**

oversize + 0.040" (1) **RB7104.040**

standard compression (9.35:1 cr)

standard size (1) **RB7246**

oversize + 0.020" (1) **RB7246.020**

oversize + 0.040" (1) **RB7246.040**

Vitesse compression (9.75:1 cr)

standard size (1) **RB7342**

oversize + 0.020" (1) **RB7342.020**

oversize + 0.040" (1) **RB7342.040**

high compression (10.5:1 cr)

standard size (1) **RB7309**

oversize + 0.020" (1) **RB7309.020**

oversize + 0.040" (1) **RB7309.040**

3.9 litre

Standard size. Oversize also available.

low compression (8.13:1 cr)(1) **RB7485KLC**

high comp (9.35:1 cr) (1) **RB7485KHC**

4.2, 4.0 & 4.6 litre **See Single Pistons**

Single Piston;

Supplied with rings & gudgeon pin.

4.2 litre - 8.94:1 cr (8) **STC1191S**

4.0 litre Series 2 Range Rover type

Offset gudgeon type - standard size only.

low comp (8.13:1 cr) (8) **ERR5555**

high comp (9.35:1 cr) (8) **ERR5553**

4.6 litre Series 2 Range Rover type

Offset gudgeon type - standard size only.

low comp (8.13:1 cr) (8) **ERR5556**

high comp (9.35:1 cr) (8) **ERR5554**

Cylinder liner set - 3.9 litre (1) **RB7486**

Set of 8 liners for converting 3.5 engines to 3.9 litre bore. Also suitable for replacing the liners in an existing 3.9 litre (or larger capacity) engine.

Piston & liner set - 3.9 litre (1) **RB2029**

As **RB7486**, but kit also includes standard size 9.35:1 compression pistons and rings, for 3.9 conversions.

4.3 & 4.8 litre stroker kits;

Includes new 86mm stroke crankshaft, con rods, pistons/rings & bearings. 4.3 kit fits to 3.5 litre engine (20 thou rebore required) for 4.3 litres. 4.8 kit fits 3.9 litre engine (94mm bore) for 4.8 litres.

4.3 litre kit (1) **RB7678**

4.8 litre kit (1) **RB7677**



**NEW 3.9 PISTON & ROD**

## V8 Piston Rings

Piston rings;

Supplied as engine set.

3.5 litre

8.13, 8.25, 9.35 & 9.75:1 compressions

standard size (1) **RB7358**

oversize + 0.020" (1) **RB7358.020**

oversize + 0.040" (1) **RB7358.040**

10.5:1 compression

standard size (1) **RB7421**

oversize + 0.020" (1) **RB7421.020**

oversize + 0.040" (1) **RB7421.040**

3.9 & 4.2 litre;

High & low compression ratio.

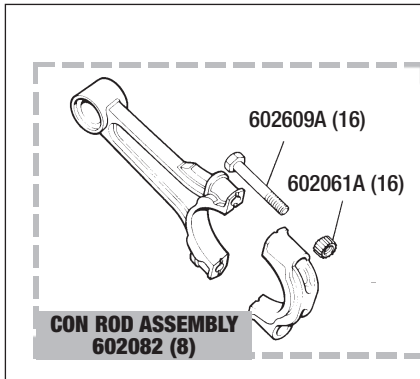
standard size (1) **RB7538**

oversize + 0.020" (1) **RB7538.020**

4.0 & 4.6 (standard size) (1) **STC1427**

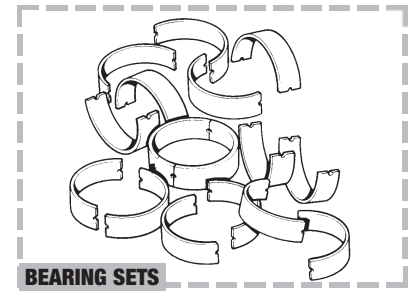
High & low comp ratio.

## 3.9 PISTON & LINER SETS



**CON ROD ASSEMBLY 602082 (8)**

## V8 CON ROD & BEARING SETS



**BEARING SETS**

## V8 Con Rod & Bearings

Con rod assembly;

3.5, 3.9 & 4.2 litre;  
single

new (8) **602082**

reconditioned (8) **602082R**

engine set (new) (1) **602082K**

4.0 litre - new (8) **ERR4837**

4.6 litre - new (8) **ERR5145**

Bolt - con rod;

3.5 3.9 & 4.2 litre (16) **602609**

4.0 & 4.6 litre (16) **ERR1772**

Series 2 Range Rover type.

Nut - con rod

Not Series 2 Range Rover. (16) **602061A**

Big end bolt/nut kit

(1) **RB7500**

Engine set of high performance ARP forged chrome moly' steel bolts & nuts. Superior to standard bolts.

Not suitable for Series 2 Range Rover.

Bearing set - big end;

All engines except Series 2 Range Rover.

standard size (1) **RTC2117**

oversize + 0.010" (1) **RTC2117.010**

oversize + 0.020" (1) **RTC2117.020**

oversize + 0.030" (1) **RTC2117.030**

oversize + 0.040" (1) **RTC2117.040**

oversize + 0.060" (1) **RTC2117.060**

Bearing set - big end - 4.0 & 4.6(1)

Series 2 Range Rover. Standard size. **ERR1773**

Heavy duty bearing set - big end;

All engines except Series 2 Range Rover.

standard size (1) **RB7451**

oversize + 0.010" (1) **RB7451.010**

oversize + 0.020" (1) **RB7451.020**

oversize + 0.030" (1) **RB7451.030**



**ROVER SD1 ENGINE BAY**

## V8 Oil Pump & Filter

### Differences Between Oil Pumps

The oil pump of the Rover V8 engine, from its introduction in the 1960s until late 1994, comprises a pair of pump gears which rotate inside a housing in the timing cover. One gear - the idler - is driven by the other, which includes a shaft that is driven off the end of the distributor. The distributor, in turn, is driven by a skew gear on the end of the camshaft.

Pre SD1-era Rover V8 engines (including Rover P5, P6 and early Range Rover) feature a pair of "short" oil pump gears, the driven shaft of which has a slot into which the tooth of the distributor shaft engages.

From 1976 (SD1-era), the oil pump is improved by longer gears, the driven shaft of which is now toothed to engage in a slot in the distributor shaft.

For two reasons, the two types are not interchangeable:

1. the longer gears of a post-1976 engine will not fit into the housing of a pre-76 timing cover.

2. the pre-76 distributor will not engage with the shaft of a later oil pump gear.

However, timing covers are fully interchangeable, which means that an early engine can benefit from the later oil pump arrangement as long as the whole timing cover, complete with distributor, is fitted.

Alternatively, we supply an oil pump uprating kit (RB7480), specifically for pre-76 engines, which features a spacer for the oil pump cover in order to accommodate the longer gears supplied in the kit. The gears also feature the early type of distributor engagement slot.

From late 1994, a redesigned timing cover, incorporating an integral crank-driven oil pump, is fitted to Land Rover V8 engines. This supersedes the earlier, distributor-driven oil pump. However, the later arrangement, while more efficient, is **not** a straight swop for the earlier timing cover, as a longer crankshaft nose is required to drive the oil pump. In addition, ancillaries, such as water pump, alternator and power steering pump would have to be changed.

#### Oil filter;

##### saloon/sports

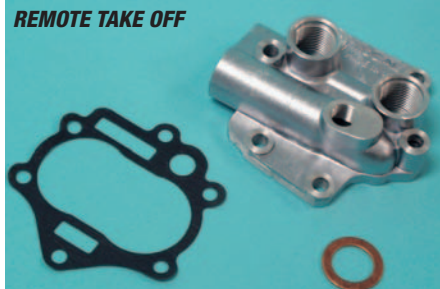
up to 1976 (pre SD1 type)(1)	<b>GFE145</b>
1976 onwards (1)	<b>GFE187</b>

##### 4x4

early engines (1)	<b>RTC3186</b>
<i>Engine nos: 341,355 &amp; 359.</i>	
all other engines (1)	<b>ERR3340</b>
<i>Including Series 2 Range Rover.</i>	

#### Oil pump cover;

early engines (1)	<b>602485</b>
<i>Pre SD1-type engines.</i>	
all other engines (1)	<b>BHM1554</b>
<i>Up to late 1994.</i>	
<i>Complete with relief valve &amp; spring, plus oil pressure switch.</i>	



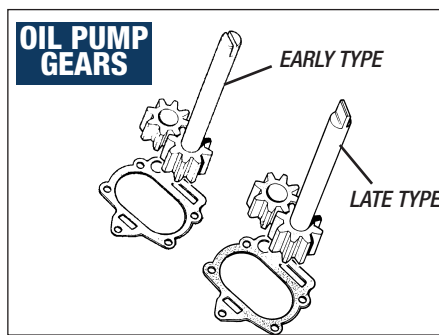
**REMOTE TAKE OFF**  
Oil pump cover/remote take-off(1) **RO1105**  
Very low profile oil pump cover & relief valve housing for maximum clearance. Use with remote oil filter mounting kit.



**REMOTE OIL FILTER KIT**  
Remote oil filter mounting kit (1) **RB7116**  
Efficient mounting of oil filter away from engine. Kit includes filter housing, hoses & mountings. Not suitable for Series 2 Range Rover.

### COMPONENT & COMMISSION NUMBERS

Where commission and/or component serial numbers are quoted in this parts catalogue (to help identify factory specification changes), they refer to components and/or parts when the vehicle was new, and not subsequent replacements.



**OIL PUMP GEARS**  
Oil pump repair kit (1) **RTC2044**  
Suitable for all engines with separate oil pump (pre-1994). Includes pressure relief valve, spring & gasket.

Uprated pressure relief valve spring (1) **RB7457**  
For all separate oil pump models (pre-1994). Increases oil pressure by approx. 10 psi.

Gear with shaft - oil pump;  
early engines (1) **602018**  
*Short gear with slotted shaft.*  
all other engines (1) **ERC1351A**  
*Longer gear with toothed shaft.*

Idler gear - oil pump;  
early engines (1) **602017**  
*Short gear.*  
all other engines (1) **614037**  
*Longer gear.*

Uprating kit - oil pump (1) **RB7480**  
*Early models only (pre-SD1).*  
Kit includes spacer plate and longer gears to uprate early pumps to later specification. Increases pressure and volume.

Gasket - oil pump cover (1) **90602072A**

Bolt - pump mounting;  
7/8" (3) **602910**  
1 1/4" (2) **602912**  
1 9/16" (1) **602913**

Blanking plug - oil pump (1) **151203**  
*Pressure switch outlet.*

Washer (1) **243967**  
*For blanking plug.*

Oil pressure switch;  
TR8 (1) **GPS117**  
SD1

3 prong type (1) **GPS123**  
single prong type (1) **GPS110**  
Range Rover (1) **STC4104**

Washer (For pressure switch) (1) **243967**

Oil pressure transmitter - early vehicles;  
SD1 engines

'0 - 100' psi gauge (1) **DRC242**  
'0 - 60' psi gauge (1) **DRC2479**

Range Rover  
early engines (1) **555947**  
*Engine nos: 341,355 & 359*  
other engines (where fitted)(1) **DRC2479**

Washer (Pressure transmitter) (1) **243967**

Oil temperature transmitter;  
Where fitted.

for 120°C gauges (1) **560794**  
for 140°C gauges (1) **623050**  
for 'C - MAX' gauges (1) **PRC2236**

Adaptor - oil temperature transmitter;  
Range Rovers up to 1982 (1) **611514**  
Range Rovers from 1982 on(1) **273166**

Oil pressure gauge kit (1) **RX1351**  
*Aftermarket capillary type. Includes gauge & fittings.*

Oil pressure/water temp gauge kit (1) **RX1351W**  
*As above, Dual function gauge.*

Bracket - oil pressure gauge (1) **RB7050**

Oil pump priming tool;  
For efficient priming of the oil pump before initial start-up.

Priming tool engages with the oil pump shaft through the distributor aperture in the timing cover (requires removal of distributor). Oil pump can then be primed using an electric/cordless drill. No need for petroleum jelly!  
Nb. with the rocker covers removed, a visible oil supply to the rocker gear is confirmation that the system is primed.

early type oil pump shaft (1) **RX1431E**  
*Slotted shaft (see illustration above).*

late type oil pump shaft (1) **RX1431L**  
*Toothed shaft (see illustration above).*



## V8 Oil Cooler (Engine)

If high oil temperatures are a problem, for example when towing, the V8 engine will benefit from the fitting of an oil cooler. We recommend fitting a thermostat at the same time, to avoid overcooling.

Note: An oil cooler was incorporated into the Range Rover's coolant radiator with the introduction of the 3.9 litre engine. The Series 2 Range Rover has a separate oil cooler.

### UNIVERSAL OIL COOLER

Oil cooler kit;  
Includes radiator, hoses and all fittings.  
saloon/sports (1) **RB7260**  
Range Rover (1) **RA1089**  
*All models up to 1990.*

Thermostat - oil cooler (1) **RS1456**

### RANGE ROVER 3.9 OIL COOLER & COMPONENTS

Oil cooler take-off - 3.9 engine;  
up to VIN JAG624755 (1992) (1) **ERC8501**  
from VIN KA624756 (1993) (1) **ERR2490**

Adaptor - oil filter (1) **ERC2226**

O-ring (1) **ERR852**

Oil cooler hose;

early 3.9 engine - up to 1991 (VIN HA)  
engine to cooler  
to VIN FA(1) **NTC6289**

VIN GA onwards (1) **NTC5972**

cooler to engine  
to VIN FA (1) **NTC5620**

VIN GA onwards (1) **ESR137**

3.9 & 4.2 - 1992 (VIN JA) onwards;

engine to cooler  
to VIN JA624755 (1) **ESR356**

VIN KA ('93) to LA ('94) (1) **ESR1672**

VIN MA (1995) onwards (1) **PBP101150**

cooler to engine  
to VIN JA624755 (1) **ESR355**

VIN KA ('93) to LA ('94) (1) **ESR1671**

VIN MA (1995) onwards (1) **PBP101160**

Adaptor - hose to radiator - all models;

to VIN JA (1992) (2) **NTC3858**

from VIN KA (1993) (2) **ESR1262**

Adaptor - pump take-off to hose - all models;

to VIN JA (1992) (2) **ETC9064**

from VIN KA (1993) (2) **ESR1239**

Sealing ring - adaptor;

to VIN LA (1994) (2) **ETC9065**

VIN MA (1995) onwards (4) **ESR1594L**

Oil cooler - Series 2 Range Rover;

4.0 litre (1) **ESR3204**

4.6 litre (1) **ESR3205**

Oil cooler hoses - Series 2 Range Rover;

engine to cooler (1) **ESR4415**

cooler to engine (1) **ESR2697**

Sealing ring - cooler hoses (4) **ESR2237**



**OIL PRESSURE GAUGES**

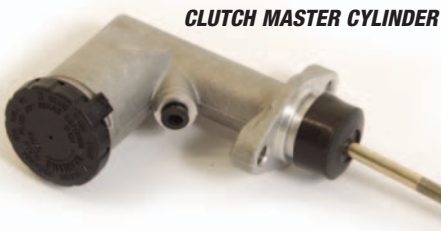
**TO ORDER CALL 01522 568000**



DESCRIPTION QTY REQ. PART No.

## Clutch Components

<b>Clutch kit;</b> <i>Includes cover, plate &amp; release bearing.</i>		
4 cyl petrol engines	(1)	<b>STC8359</b>
4 cyl diesel all <i>except</i> 300Tdi	(1)	<b>STC8358</b>
300Tdi only		
with LT77 gearbox	(1)	<b>STC8358</b>
with R380 gearbox	(1)	<b>STC50501</b>
Td5	(1)	<b>LL1082</b>
V8*	(1)	<b>STC8361</b>
<i>*Performance engine clutch kits - please enquire.</i>		
<b>Clutch cover;</b>		
4 cyl petrol engines	(1)	<b>576557</b>
4 cyl diesel	(1)	<b>URB100760</b>
Td5	(1)	<b>FTC4630</b>
V8	(1)	<b>576476</b>
<b>Clutch plate;</b>		
4 cyl petrol engines	(1)	<b>FTC4661</b>
4 cyl diesel	(1)	<b>FTC4204</b>
Td5	(1)	<b>UQB000120</b>
V8	(1)	<b>FTC4662</b>
<b>Release bearing - clutch;</b>		
all LT77 & 85mm gearboxes	(1)	<b>FTC5200</b>
R380 gearbox		
Tdi	(1)	<b>FTC5200</b>
4 cyl petrol & n/a diesel	(1)	<b>UTJ100210</b>
Td5	(1)	<b>FTC5200</b>
V8	(1)	<b>FTC5200</b>

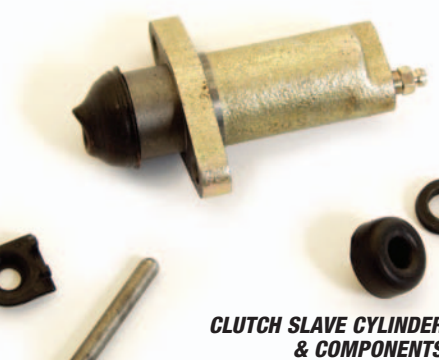


**CLUTCH MASTER CYLINDER**

## Clutch Master Cylinder

Master cylinder - clutch - all models	(1)	<b>550732</b>
Repair kit - master cylinder	(1)	<b>GRK1027</b>
Gasket - master cyl' to pedal box	(1)	<b>ANR5308</b>
Filler cap - master cylinder	(1)	<b>STC976</b>
Seal - filler cap	(1)	<b>264767</b>

DESCRIPTION QTY REQ. PART No.



**CLUTCH SLAVE CYLINDER & COMPONENTS**

## Slave Cylinder & Clutch Release Components

<b>Slave cylinder - clutch;</b>		
LT77 & 85mm (Santana) gearboxes		
4 cylinder engines	(1)	<b>591231</b>
V8	(1)	<b>UKC8677</b>
R380 gearbox		
4 cylinder <i>except</i> Tdi	(1)	<b>591231</b>
Tdi		
to gearbox 56A0669086	(1)	<b>FTC5072</b>
gearbox 56A0669087 on	(1)	<b>FTC5202</b>
Td5	(1)	<b>FTC5202</b>
V8	(1)	<b>UKC8677</b>
<b>Repair kit - slave cylinder;</b>		
for 591231 cylinder	(1)	<b>8G8600L</b>
for FTC5071 cylinder	(1)	<b>513390</b>
for FTC5202 cylinder	(1)	<b>STC2818</b>
<i>Please enquire for repair kits not listed.</i>		
<b>Packing plate - slave cylinder;</b>		
for 591231 slave cylinder	(1)	<b>591988</b>
V8 & Tdi engines*	(1)	<b>FRC2402</b>
<i>*Please note: packing plate not required when fitting FTC5071 slave cylinder.</i>		
<b>Pushrod - slave cylinder;</b>		
LT77 & 85mm (Santana) gearboxes		
4 cylinder engines	(1)	<b>FRC3417</b>
V8	(1)	<b>571160</b>
R380 gearbox		
4 cylinder <i>except</i> Tdi	(1)	<b>FTC4229</b>
Tdi		
to gearbox 56A0669086	(1)	<b>FTC3912</b>
gearbox 56A0669087 on	(1)	<b>FTC5199</b>
Td5	(1)	<b>FTC5199</b>
V8	(1)	<b>571160</b>

DESCRIPTION QTY REQ. PART No.

<b>Clip - pushrod;</b>		
LT77 & 85mm (Santana) gearboxes		
4 cylinder engines	(1)	<b>FRC3327</b>
V8 engines	(1)	<b>576723</b>
R380 gearbox		
all 4 cylinder engines	(1)	<b>FRC3327</b>
Td5	(1)	<b>576723</b>
V8	(1)	<b>576723</b>
<b>Release lever - clutch;</b>		
all 4 cylinder engines	(1)	<b>FTC2957</b>
Td5	(1)	<b>576137</b>
all V8 engines	(1)	<b>576137</b>
Slipper pad - release lever (4 cyl)	(2)	<b>FRC5255</b>
<b>Cap - pivot pin;</b>		
V8		
with LT77 & 85mm gearbox	(1)	<b>FRC2975</b>
with R380 gearbox	(1)	<b>571161</b>
Td5 (with R380 gearbox)	(1)	<b>571161</b>
Clip - release lever to pivot pin	(1)	<b>571163</b>
<i>V8 &amp; Td5.</i>		
<b>Screw - release lever clip</b>		
V8 & Td5	(1)	<b>FS106101L</b>
<i>M6 x 10mm.</i>		



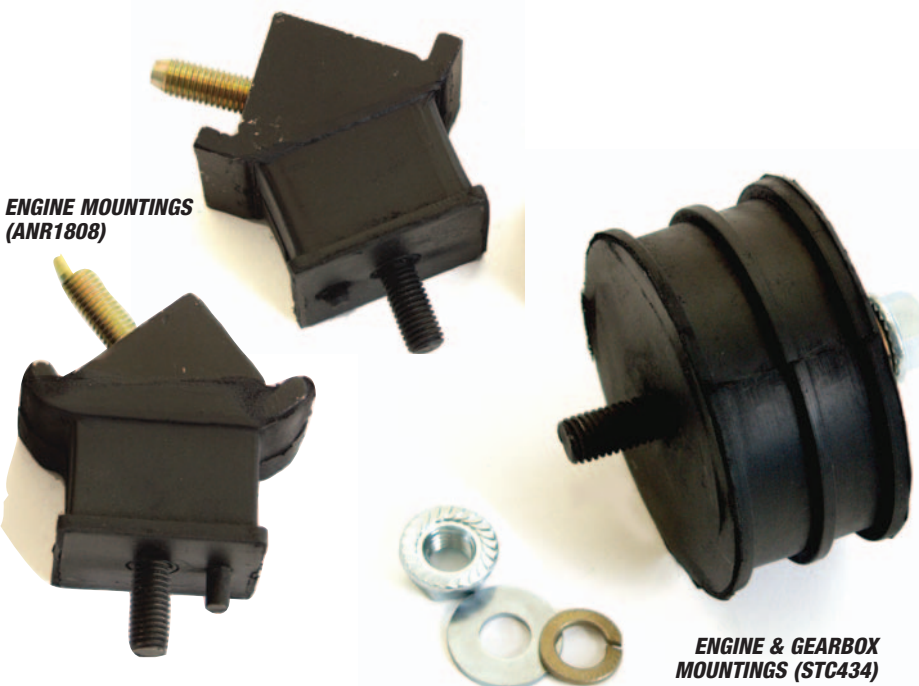
## Clutch Fluid

<b>Clutch/brake fluid;</b>		
Dot 3 - 1 litre	(a/r)	<b>GBF103</b>
silicone fluid		
<i>Replaces conventional clutch/brake fluid. Doesn't absorb water - doesn't degrade. Will not harm paintwork if spilt.</i>		
0.5 litre	(a/r)	<b>RX1327</b>
1 litre	(a/r)	<b>RX1326</b>

## Pedal Rubber - Clutch

Pedal rubber - clutch	(1)	<b>61K738</b>
-----------------------	-----	---------------

**ENGINE MOUNTINGS (ANR1808)**



**ENGINE & GEARBOX MOUNTINGS (STC434)**

## Engine & Gearbox Mountings

<b>Engine mounting rubber;</b>		
4 cyl engines <i>except</i> 300 Tdi	(2)	<b>ANR1808</b>
300Tdi	(2)	<b>NTC9416</b>
Td5	(2)	<b>KKB102602</b>
V8	(4)	<b>STC434</b>
<b>Nut engine mounting rubber;</b>		
4 cyl engines <i>except</i> 300Tdi	(2)	<b>FN110047</b>
300Tdi & Td5 (M12)	(2)	<b>FX112041</b>
V8 (M10)	(2)	<b>FN110041</b>
<b>Gearbox mounting rubber;</b>		
4 cyl engines <i>except</i> 300 Tdi	(2)	<b>ANR1808</b>
300Tdi		
rh mounting	(1)	<b>ANR3200</b>
lh mounting	(1)	<b>ANR3201</b>
Td5		
rh mounting	(1)	<b>KQB100160</b>
lh mounting	(1)	<b>KQB100170</b>
V8	(2)	<b>STC434</b>
<b>Nut - gearbox mounting rubber;</b>		
4 cyl engines <i>except</i> 300 Tdi	(4)	<b>FN110047</b>
300Tdi (M10)	(4)	<b>ERR597</b>
Td5 (M10)	(4)	<b>ERR597</b>
V8 (M10)	(4)	<b>FN110041</b>



**200Tdi WATER PUMP & VISCOUS COUPLING**



## Water Pump

Water pump;		
2.25 petrol engine		
non air conditioning	(1)	<b>STC636</b>
air conditioning	(1)	<b>STC640</b>
2.5 petrol engine		
non air conditioning	(1)	<b>STC637</b>
air conditioning		
A133 alternator	(1)	<b>STC640</b>
A127 alternator	(1)	<b>STC635</b>
2.5 NA diesel engine		
non air conditioning	(1)	<b>STC637</b>
air conditioning	(1)	<b>STC635</b>
2.5 TD diesel engine	(1)	<b>STC635</b>
<i>All models.</i>		
200Tdi	(1)	<b>STC639</b>
300Tdi	(1)	<b>STC1086</b>
Td5	(1)	<b>PEM500040</b>
V8		
carb engines		
non viscous fan		
viscous fan	(1)	<b>STC1611</b>
- non air con	(1)	<b>STC487</b>
- air con	(1)	<b>STC488</b>
efi engines	(1)	<b>STC4378</b>

## Water Pump Fittings

Gasket - water pump;		
all 4 cyl engines <i>except</i> 300Tdi(1)		<b>ERC5655</b>
<i>Air con/non air con.</i>		
300Tdi		
water pump to mounting	(1)	<b>ERR3284</b>
pump mounting to block	(1)	<b>PET100790</b>
Td5 - 'O'/'D'-ring set	(1)	<b>PFQ10001</b>
V8		
all carb engines	(1)	<b>ERR2428</b>
efi engines	(1)	<b>ERR4077</b>
Seal - water pump bracket (Td5)	(1)	<b>ERR6711</b>

## Viscous Coupling

Viscous coupling;		
4 cylinder petrol engines	(1)	<b>ERC5708</b>
<i>Engines with air con.</i>		
2.5 NA diesel	(1)	<b>ERC5708</b>
2.5 TD - air con & non air con		
Europe	(1)	<b>ETC7238</b>
rest of world	(1)	<b>ETC6841</b>
200Tdi	(1)	<b>ETC7238</b>
300Tdi	(1)	<b>ERR2266</b>
V8		
carb engines	(1)	<b>ERC5708</b>
efi engines	(1)	<b>ERR3443</b>

## Drive Belts

Drive belt - water pump;		
2.25 petrol engines	(1)	<b>563132</b>
2.5 petrol engine		
non air con	(1)	<b>563132</b>
air con	(1)	<b>ERC8938</b>
2.5 NA diesel engine		
non air con	(1)	<b>563132</b>
air con	(1)	<b>ETC7939</b>
2.5 TD diesel engine	(1)	<b>ETC7939</b>
<i>Air con &amp; non air con.</i>		
200Tdi	(1)	<b>ETC7939</b>
300Tdi - serpentine ancillary belt		
to eng.no. 16L25164	(1)	<b>ERR3287</b>
eng.no 16L25165 on	(1)	<b>ERR5911</b>
Td5 - serpentine ancillary belt		
non air conditioning	(1)	<b>PQS101490</b>
with air conditioning	(1)	<b>PQS101500</b>
V8		
carb engines		
non air con	(1)	<b>ETC7394</b>
air con	(1)	<b>614670</b>
efi engines	(1)	<b>ERR5579</b>
<i>Serpentine belt.</i>		
Tensioner - serpentine belt;		
300Tdi	(1)	<b>ERR4708</b>
Td5	(1)	<b>ERR6951</b>
V8	(1)	<b>ERR3440</b>

## Pressure Cap

Pressure cap - expansion tank;		
4 cyl <i>except</i> Tdi		
up to VIN LA932798	(1)	<b>RTC3610</b>
VIN LA932799 on	(1)	<b>PCD100150</b>
V8	(1)	<b>PCD100150</b>
Tdi	(1)	<b>NTC7161</b>
Td5	(1)	<b>PCD100160</b>

## Radiator

Radiator - petrol engines;		
2.25 petrol		
standard	(1)	<b>NRC6888</b>
heavy duty	(1)	<b>ESR79</b>
2.5 petrol		
without oil cooler		
up to VIN FA389980	(1)	<b>ESR79</b>
VIN FA389981 on	(1)	<b>ESR77</b>
with oil cooler		
up to VIN JA918061	(1)	<b>ESR78</b>
VIN JA918062 on	(1)	<b>ESR3684</b>
V8 - twin carb		
without oil cooler		
up to VIN FA428918	(1)	<b>ESR76</b>
VIN FA428919 on	(1)	<b>ESR203</b>
with oil cooler		
up to VIN JA918061	(1)	<b>ESR204</b>
VIN JA918062 on	(1)	<b>ESR3685</b>
V8 efi	(1)	<b>ESR3685</b>
Radiator - diesel engines;		
2.5 NA diesel		
without oil cooler		
up to VIN FA389980	(1)	<b>ESR79</b>
VIN FA389981 on	(1)	<b>ESR77</b>
with oil cooler		
up to VIN JA918061	(1)	<b>ESR78</b>
VIN JA918062 on	(1)	<b>ESR3684</b>
2.5 TD ( <i>not</i> Tdi)	(1)	<b>NTC6168</b>
200Tdi		
up to VIN JA918061	(1)	<b>NTC4893</b>
VIN JA918062 on	(1)	<b>ESR1676</b>
300Tdi		
radiator & intercooler	(1)	<b>PFI100041</b>
coolant radiator only	(1)	<b>BTP2275</b>
<i>For intercooler only, see below.</i>		
Td5		
non-EGR engines	(1)	<b>PDK000100</b>
EGR engines	(1)	<b>PCC001020</b>
Mounting rubber - radiator;		
all vehicles <i>except</i> 300Tdi & Td5		
upper	(2)	<b>NRC5544</b>
lower	(2)	<b>572312A</b>
300Tdi	(8)	<b>572312A</b>
Td5	(2)	<b>PCG100330</b>
Filler plug - radiator	(1)	<b>ERR4686</b>
Seal - filler cap	(1)	<b>ERR4685</b>

## Intercooler - Diesel

Intercooler - standard;  
(See also **Upated** - below)

- 200Tdi  
Supplied as complete radiator assembly -  
see **Radiators**.
- 300Tdi (1) **FTP8030**  
Also available as part of complete radiator assembly -  
see **Radiators**.
- Td5 (1) **ESR4504**

Intercooler - uprated

These larger capacity performance intercoolers are designed to offer an improvement in power & torque over the standard factory item.  
The larger swept volume of these units allows a cooler and denser charge of air into the engine, which in turn produces a more efficient combustion, allowing more torque and power to be produced than with the standard factory unit.  
NB whilst many of the performance intercoolers can be fitted on their own with no other engine modifications, with Td5 engines, it is essential to fit a modified performance engine management unit, such as the Rimmer Bros Powerbox. Note that 'Upgrade 2' kits involve more work to install.

- 2.5TD  
upgrade 1 (1) **LL1270A**  
12-15% power increase.  
upgrade 2 (1) **LL1270B**  
20-25% power increase.
- 200Tdi  
upgrade 1 (1) **LL1126A**  
18-20% power increase.  
upgrade 2 (1) **LL1126B**  
30-35% power increase.
- 300Tdi  
upgrade 1 (1) **LL1127A**  
18-20% power increase.  
upgrade 2 (1) **LL1127B**  
30-35% power increase.
- Td5  
NB an uprated engine management module must also be fitted - see Powerboxes.  
non air con (1) **LL1128A**  
up to 50% power increase dependent on Powerbox setting.  
NB may invalidate any manufacturers warranty.  
with air con (1) **LL1128B**  
up to 50% power increase dependent on Powerbox setting.  
NB may invalidate any manufacturers warranty.

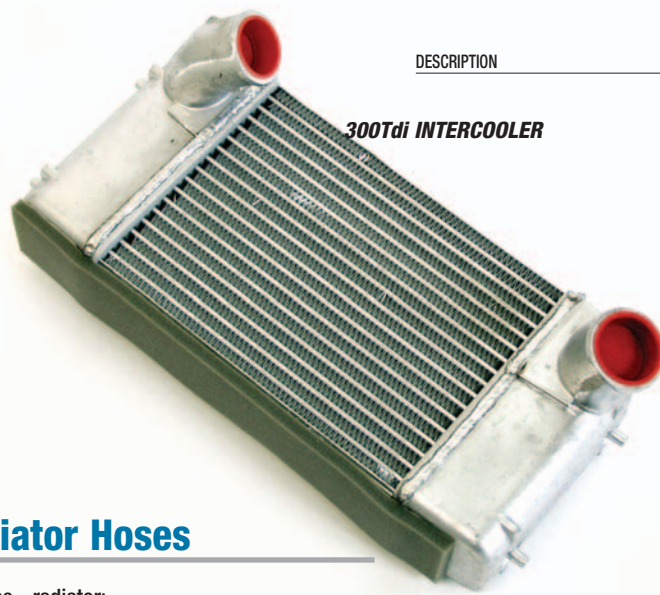
Intercooler hoses;

- 200Tdi  
intercooler to inlet manifold  
intercooler end (1) **ESR289**  
Short pipe connecting intercooler outlet to rigid pipe.  
inlet manifold end (1) **ESR2934**  
Short, angled pipe from rigid pipe to inlet manifold.
- intercooler to turbocharger  
intercooler end (1) **ESR2942**  
Angled pipe connecting intercooler outlet to rigid pipe.  
turbocharger end (1) **ESR2934**  
Short, angled connector pipe.
- 300Tdi  
intercooler to inlet manifold (1) **ESR2309**  
Upper hose.  
intercooler to rigid pipe (1) **PNH102092**  
Lower intercooler hose.  
turbocharger to rigid pipe (1) **PNH102082**
- Td5  
intercooler to inlet manifold (1) **ESR4640**  
intercooler to rigid pipe (1) **PNH102091**  
turbo to rugud pipe (1) **PNH102081**
- Clip for intercooler hoses;  
200/300Tdi (a/r) **PYC102340**
- Td5  
intercooler to turbo (a/r) **PYC102340**  
Intercooler to inlet manifold  
intercooler end (1) **PYC102350**  
inlet manifold end (1) **PYC102360**
- Turbo hose kit - silicone and stainless;  
Replacement hose and pipe kit in blue silicone with stainless steel connector pipes for both. Standard and uprated intercoolers - see photo.
- 200Tdi (1) **LL1129**  
300Tdi (1) **LL1130**  
Includes EGR blanking kit.

**MORE STOCK EVERY DAY**

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.

**TO ORDER CALL 01522 568000**



300Tdi INTERCOOLER

## Radiator Hoses

Top hose - radiator;  
petrol engines

- 2.25 petrol  
standard duty (1) **NRC6403**  
heavy duty (1) **NRC6404**
- 2.5 petrol  
up to VIN FA389798 (1) **NTC2029**  
VIN FA389799 on (1) **ESR2125**
- V8 - all models  
up to VIN FA428918 (1989)  
- non air con (1) **NRC5985**  
- with air con (1) **NRC9710**  
VIN FA428919 on (1989)  
- non air con (1) **NTC5686**  
- with air con (1) **NTC5687**
- diesel engines  
2.5 NA diesel  
up to VIN FA389798 (1) **NTC2029**  
VIN FA389799 on (1) **ESR2125**
- 2.5 TD (1) **ESR2125**
- 200Tdi (1) **NTC4895**
- 300Tdi (1) **ESR2298**
- Td5 (1) **PCH114600**
- Bleed screw - Td5 (1) **PYP10008L**

Bottom hose - radiator;

- petrol engines  
2.25 petrol  
standard duty (1) **NRC3664**  
heavy duty (1) **NRC3976**
- 2.5 petrol (1) **PCH119070**
- V8  
carburettor (1) **NTC3543**  
efi (1) **PCH116030**
- diesel engines  
2.5 NA & 2.5 TD (1) **PCH119070**
- 200Tdi  
non air con (1) **ESR536**  
with air con  
- up to VIN JA915821 (1) **ESR536**  
- VIN JA915822 on (1) **ESR1686**
- 300Tdi (1) **PCH119060**
- Td5 (1) **PCH115470**
- Expansion tank hose - 2.25 petrol (1) **NRC4850**
- Hose - thermostat to w/pump -  
Td5 (1) **PCH117190**
- Bleed hose - radiator to expansion tank;  
2.25/2.5 petrol (1) **NRC9726**
- V8  
without oil cooler (1) **NRC9726**  
with oil cooler (1) **NTC2736**
- 2.5 NA diesel (1) **NRC9726**
- 2.5 TD (1) **NTC2736**
- 200Tdi  
up to VIN MA948142 (1) **NTC4898**  
VIN MA948143 on (1) **ESR3436**
- Hose - rad to inlet manifold - V8 (1) **RRC2711**

Heater hoses (flexible);

For rigid heater pipes, please contact our sales department.

- 4 cylinder engines, except Tdi  
heater to pipes  
RHD (2) **NRC6308**  
LHD (2) **NRC6309**  
pipes to engine (2) **NRC6306**
- 200Tdi  
pipe to heater  
RHD  
- up to VIN HA700655 (1) **BTR447**  
- VIN HA700656 on (1) **BTR1132**
- LHD  
- up to VIN HA700725 (1) **BTR983**  
- VIN HA700726 on (1) **BTR1133**
- heater return  
RHD  
- up to VIN HA700655 (1) **BTR445**  
- VIN HA700656 on (1) **BTR1130**
- LHD  
- up to VIN HA700725 (1) **BTR982**  
- VIN HA700726 on (1) **BTR1131**
- 300Tdi  
heater inlet  
RHD (1) **BTR6165**  
LHD  
- up to VIN WA (1) **BTR8396**  
- VIN XA on (1) **JHB100590**
- heater return  
RHD (1) **BTR6164**  
LHD  
- up to VIN WA (1) **BTR8395**  
- VIN XA on (1) **JHC100310**
- Td5  
heater inlet  
RHD (1) **AWR6235**  
LHD (1) **AWR6234**
- heater outlet  
RHD (1) **JHC000060**  
LHD (1) **JHC000050**
- V8  
carb engines  
Please contact our sales department, stating year and VIN number of your vehicle.  
efi engines  
heater inlet  
- RHD (1) **JHB100650**  
- LHD (1) **AWR6631**
- heater outlet  
- RHD (1) **JHC100370**  
- LHD (1) **AWR6632**



**SILICONE & STAINLESS STEEL TURBO HOSE KIT**

## Hose Clips

Worm drive clips - all models except Td5;		
3/8" to 1/2"	(a/r)	<b>GHC304</b>
7/16" to 5/8"	(a/r)	<b>GHC405</b>
1/2" to 3/4"	(a/r)	<b>GHC406</b>
5/8" to 7/8"	(a/r)	<b>GHC507</b>
3/4" to 1"	(a/r)	<b>GHC608</b>
7/8" to 11/8"	(a/r)	<b>GHC709</b>
1" to 13/8"	(a/r)	<b>GHC811</b>
11/8" to 15/8"	(a/r)	<b>GHC913</b>
13/8" to 2"	(a/r)	<b>GHC1015</b>
11/2" to 21/8"	(a/r)	<b>GHC1217</b>
2" to 23/4"	(a/r)	<b>GHC1622</b>
Spring band clips - Td5;		
top hose		
to radiator	(a/r)	<b>PYC102100</b>
to engine	(a/r)	<b>PYC102110</b>
bottom hose		
to radiator	(a/r)	<b>PYC102110</b>
to thermostat	(a/r)	<b>PYC102100</b>
water pump to thermostat	(a/r)	<b>PYC101910</b>
small clip (22mm)	(a/r)	<b>PYC102190</b>

## Thermostat

Thermostat;		
4 cyl engines <i>except</i> Tdi		
82°	(1)	<b>602687</b>
74°	(1)	<b>ETC4761</b>
200Tdi (88°)	(1)	<b>ERR2803</b>
300Tdi	(1)	<b>ERR3291</b>
TD5	(1)	<b>PEM100990</b>
V8		
carb engines (82°)	(1)	<b>602687</b>
efi engines (88°)	(1)	<b>ETC4765</b>
Gasket - thermostat;		
4 cyl engines <i>except</i> Tdi		
upper gasket	(1)	<b>ERR3682</b>
lower gasket	(1)	<b>247874</b>
200Tdi		
upper	(1)	<b>ERR3682</b>
lower	(1)	<b>ETC8007</b>
300Tdi (housing gasket)	(1)	<b>ERR3490</b>
V8	(1)	<b>ERR2429</b>
Gasket - water elbow - Td5	(1)	<b>LVJ000010</b>
Temperature sensor - TD5	(1)	<b>ERR2081</b>
<i>Located in the water elbow.</i>		
Seal - temp sensor (TD5)	(1)	<b>ERR6192</b>

## Heater Components

Heater assembly		
<i>For price &amp; availability of complete heater assemblies, please contact our sales department.</i>		
Heater matrix - all vehicles;		
up to VIN WA		
with downward-facing pipes(1)		<b>AAP817</b>
with horizontal outlet pipes (1)		<b>UTP1725</b>
VIN XA on		
with downward-facing pipes(1)		<b>JEF100220</b>
with horizontal outlet pipes (1)		<b>UTP1725</b>
Uprated heater matrix;		
<i>Aluminium high-output matrix, which increases cabin heat by up to 20%.</i>		
with downward-facing pipes (1)		<b>AAP817UR</b>
with horizontal outlet pipes (1)		<b>UTP1725UR</b>
Blower motor - all vehicles;		
up to VIN LA939975 (1994)		
RHD	(1)	<b>RTC4200</b>
LHD	(1)	<b>RTC4201</b>
VIN MA939976 (1995) on		
RHD	(1)	<b>UTP1911</b>
LHD	(1)	<b>UTP1910</b>
Heater control cables		
<i>Please contact our sales department for price &amp; availability of heater control cables.</i>		



## Kenlowe Fan

Kenlowe fan kit;		
<i>Contains everything you need to fit an electric fan to your vehicle, including mounting brackets, wiring and temperature sensor.</i>		
2.25 & 2.5 petrol	(1)	<b>RA1096</b>
2.5 NA diesel	(1)	<b>RA1096</b>
2.5 TD	(1)	<b>LL1083</b>
200/300Tdi	(1)	<b>RA1096</b>
Td5	(1)	<b>LL1084</b>
V8	(1)	<b>LL1083</b>



## Air Conditioning Components

*Listed below are the principle air conditioning components. If the part you require is not listed, please contact our sales department, remembering to have details of your VIN/chassis number to hand.*

Condenser;		
except V8 efi		
up to VIN WA159806	(1)	<b>8510294</b>
VIN XA159807 on	(1)	<b>JRB000051</b>
V8 efi		
	(1)	<b>STC3963</b>
Motor - condenser fan;		
except V8 efi		
up to VIN WA159806	(2)	<b>RTC7424</b>
VIN XA159807 on	(1)	<b>JRP105080</b>
V8 efi		
	(1)	<b>STC3969</b>
Receiver/drier;		
except V8 efi		
up to VIN WA159806		
not cfc-free	(1)	<b>RTC7426</b>
cfc-free	(1)	<b>STC2979</b>
VIN XA159807 on		
RHD	(1)	<b>JRJ000020</b>
LHD	(1)	<b>JRJ000010</b>
V8 efi		
	(1)	<b>STC3973</b>
Charging valve;		
up to VIN WA159806		
not cfc-free	(1)	<b>AEU3067</b>
cfc-free	(1)	<b>STC3169</b>
Pressure switch;		
except V8 efi		
up to VIN WA159806	(1)	<b>BTR3720</b>
V8 efi	(1)	<b>STC3976</b>
Water control valve		
	(1)	<b>NRC8346</b>

## Antifreeze

Antifreeze;		
all engines <i>except</i> Td5		
1 litre	(1)	<b>GAC2018</b>
5 litres	(1)	<b>GAC2019</b>
Td5 only		
1 litre	(1)	<b>STC50529</b>
5 litres	(1)	<b>STC50530</b>

## Carburettor Components

### 2.25 petrol engine carb components;

gasket kit - carburettor		
single solenoid	(1)	<b>AEU2557</b>
twin solenoid	(1)	<b>RTC5863</b>
individual gaskets		
carb to inlet manifold		
inner	(1)	<b>ERR4386</b>
outer	(2)	<b>ERR4385</b>
air elbow	(1)	<b>ERR4384</b>
fuel filter element - carb	(1)	<b>AEU2587</b>
float needle	(10)	<b>AEU2584</b>
float assembly	(1)	<b>AEU2583</b>
jet		
carburettor	(1)	<b>AEU2578</b>
carburettor primary	(2)	<b>AEU2565</b>
idler primary	(1)	<b>AEU2581</b>
idler secondary	(1)	<b>AEU2580</b>
main primary	(1)	<b>AEU2568</b>
main secondary	(1)	<b>AEU2567</b>

### 2.5 petrol engine carb components;

gasket kit - carburettor		
seal kit	(1)	<b>RTC5970</b>
individual gaskets		
carb to inlet manifold		
inner	(1)	<b>ERR4386</b>
outer	(2)	<b>ERR4385</b>
fuel filter element - carb	(1)	<b>RTC4421</b>
float needle	(10)	<b>AEU2584</b>
float assembly	(1)	<b>AEU2583</b>
jet		
carburettor	(1)	<b>RTC4852</b>
carburettor primary	(1)	<b>AEU2565</b>
carburettor secondary	(1)	<b>RTC4858</b>
idler primary	(1)	<b>RTC4859</b>
idler secondary	(1)	<b>AEU2580</b>
carburettor pump	(1)	<b>AEU2578</b>

### V8 engine twin carb components;

Stromberg carbs		
gasket set	(2)	<b>RTC1481A</b>
insulator - carb to manifold	(2)	<b>ERC1102A</b>
gasket - carb to manifold	(4)	<b>ERR4381</b>
olive - fuel pipe to carb	(a/r)	<b>611015</b>
diaphragm	(2)	<b>JS499A</b>
float assembly	(2)	<b>605833A</b>
needle		
20G engines	(2)	<b>AEU2462</b>
21G engines	(2)	<b>AEU3077</b>
SU carbs		
gasket set	(2)	<b>WZX1505A</b>
seal kit	(2)	<b>RTC6072</b>
olive - fuel pipes	(a/r)	<b>612064</b>
float		
RH carb	(1)	<b>LZX1600L</b>
LH carb	(1)	<b>RTC3566</b>
needle & seat assembly - float	(2)	<b>STC205</b>
jet		
RH carb	(1)	<b>CUD2785L</b>
LH carb	(1)	<b>CUD2788L</b>
needle - jet	(2)	<b>NZX8076L</b>

### Gasket - V8 inlet manifold

tin	(1)	<b>ERC3990</b>
composite	(1)	<b>ERR7306</b>
end seal - inlet manifold gasket		
for tin gasket	(2)	<b>AJM645</b>
for composite gasket	(2)	<b>ERR7283</b>



## V8 - 4 Barrel Carb Conversion Kits

*Suitable for all engine sizes.  
Complete conversion kits for all V8's.*

*Kits include: 4 barrel carb, inlet manifold, chromed 14" air cleaner (can be substituted with K&N air cleaner at extra cost), thermostat housing and accelerator cable kit.*

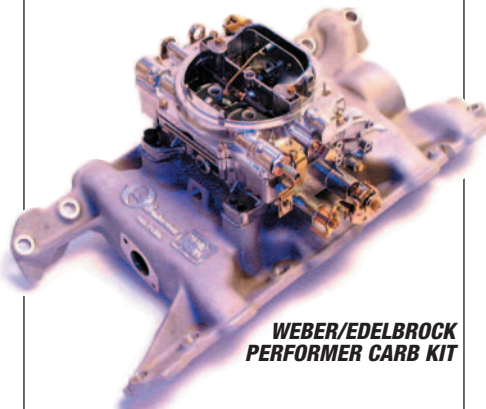
*Fuel pump available separately.*



**HOLLEY CARB KIT**

Holley/Offenhauser conversion;  
390cfm carb with auto choke

Kit 1	(1)	<b>RB7262</b>
<i>With 3" deep air cleaner.</i>		
Kit 2	(1)	<b>RB7262L</b>
<i>With 2" deep air cleaner for extra bonnet clearance.</i>		
Fuel pump - uprated	(1)	<b>RB7259</b>
<i>Facet competition high capacity electric pump (remote mounted). Complete with unions. Ideal for use with 4-barrel carb conversions.</i>		



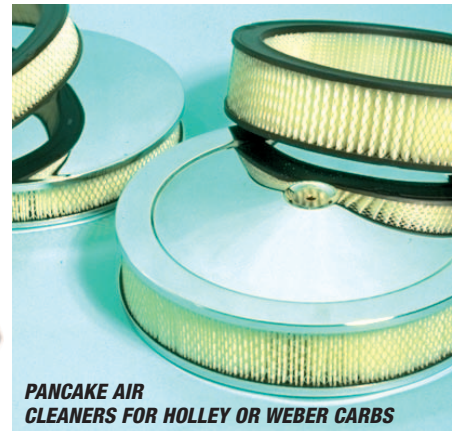
**WEBER/EDELBROCK PERFORMER CARB KIT**

Weber/Edelbrock Performer conversion;  
500cfm carb with manual choke

Kit 1	(1)	<b>RA1323</b>
<i>With 3" deep air cleaner.</i>		
Kit 2	(1)	<b>RA1323L</b>
<i>With 2" deep air cleaner for extra bonnet clearance.</i>		
Fuel pump - uprated	(1)	<b>RB7259</b>
<i>Facet competition high capacity electric pump (remote mounted). Complete with unions. Ideal for use with 4-barrel carb conversions.</i>		

## V8 - 4 Barrel Carb Components

Carburettor only		
Weber 500	(1)	<b>RA1335</b>
Holley 390	(1)	<b>RB7254</b>
Jets - 390 carb (pair)	(1)	<b>RB7254J</b>
Overhaul kit - Holley 390 carb	(1)	<b>RB7254H</b>
Holley Stud/Nut/Washer Set	(1)	<b>RB7254S</b>
Gasket (Carb to manifold) (Holley & Weber)	(1)	<b>RB7181</b>
Inlet manifold - 4 barrel carb		
<i>Suitable for Weber &amp; Holley carbs</i>		
Offenhauser 360°	(1)	<b>RB7314</b>
<i>Dual Plane. Lowest bonnet clearance.</i>		
Offenhauser/JWR (Dual Port)	(1)	<b>RA1336</b>
Edelbrock performer	(1)	<b>RA1337</b>
<i>Dual Plane. High Torque.</i>		
Gasket - inlet manifold;		
tin	(1)	<b>ERC3990</b>
composite	(1)	<b>ERR7306</b>
End seal - manifold gasket		
for tin gasket	(2)	<b>AJM645</b>
for composite gasket	(2)	<b>ERR7283</b>
Thermostat housing;		
cast iron	(1)	<b>RB7322</b>
chromed	(1)	<b>RB7437</b>
Gasket - thermostat housing	(1)	<b>GTG116</b>
Accelerator cable kit (Holley/Weber)	(1)	<b>RB7278</b>
Manual choke conversion kit (Holley)	(1)	<b>RB7184</b>
Auto choke conversion kit (Weber)	(1)	<b>RA1323ACH</b>
Manual choke cable (Holley)	(1)	<b>RB7290</b>



**PANCAKE AIR CLEANERS FOR HOLLEY OR WEBER CARBS**

## V8 - 4 Barrel Air Cleaners

Air cleaner kit;  
14" diameter chromed 'pancake' type, complete with filter, suitable for Weber & Holley. See also K&N filter assys.

standard - 3" deep	(1)	<b>RB7438</b>
'low-rider' - 2" deep	(1)	<b>RB7439</b>
<i>For extra bonnet clearance.</i>		

Replacement element - air cleaner;

standard element		
3" deep	(1)	<b>RB7438EL</b>
2" deep	(1)	<b>RB7439EL</b>
K&N element		
3" deep	(1)	<b>RB7438ELK</b>
2" deep	(1)	<b>RB7439ELK</b>

Adaptor - breather pipe  
*Air cleaner base to flame trap/breather.*

## K&N V8 - 4 Barrel Air Cleaners

See following pages for applications on standard V8 carbs and diesel K&N's.

K&N filter - Holley & Weber 4 barrel carbs  
*Pancake (14") filter assembly, bolts directly on to carb. May also be fitted with 'X-stream' filter top (lid).*

recessed type (assembly)	<b>RA1397</b>
<i>Sits low on carb for extra bonnet clearance. N.B. for use with manual choke only.</i>	
flat type (assembly)	<b>RA1398</b>
<i>2 1/4" deep, fits either manual or automatic choke.</i>	
'X-stream' air flow (lid only)	<b>RA1399</b>
<i>For maximum air flow. Replaces standard pancake K&amp;N lid. Available in black, blue, red or polished. N.B. K&amp;N filter assembly (recessed or flat type) must be purchased separately.</i>	

## Efi Sensors - V8

Efi sensors - V8 ;  
4.0 litre efi only.

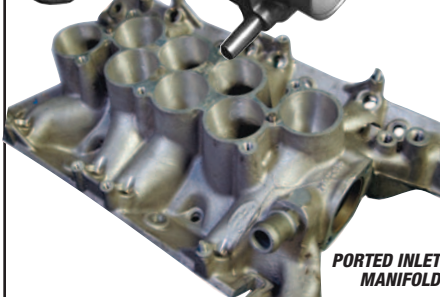
air flow meter	(1)	<b>ERR5595</b>
lambda sensor	(2)	<b>AMR6244</b>
throttle position sensor	(1)	<b>ERR4278</b>
camshaft sensor	(1)	<b>NSC100840</b>
'O'-ring - cam sensor	(1)	<b>ERR4815</b>
crank sensor	(1)	<b>ERR6119</b>
knock sensor	(2)	<b>ERR5594</b>
stepper motor	(1)	<b>ERR4352</b>
gasket - stepper motor	(1)	<b>ERR3359</b>
temperature sensor	(1)	<b>ETC8496A</b>
Fuel injector - efi	(8)	<b>ERR722</b>
O-ring seal - injector		
Upper	(8)	<b>EAC2414</b>
Lower	(8)	<b>EAC2415</b>

## Efi Upgrade Kit

For larger capacity (4.6 litre and above) Performance engines using the original fuel injection system, considerable gains in torque and horsepower are attainable by fitting an **Efi Upgrade Kit**. Kits are available for both Flap-type and Hotwire efi systems and comprise a ported and enlarged inlet manifold (inlet tracts opened out to 45mm diameter), trumpet base with enlarged (45mm diameter) intake trumpets and plenum chamber with enlarged (72mm diameter) throttle body. These components help to remove the restriction in air flow, which can strangle your engine's power potential. Efi Upgrade Kits are sold on an exchange basis. See also our Re-mapped & Re-chipped ECUs.

Efi upgrade kit;

flap-type efi	(1)	<b>RB7691</b>
hotwire efi	(1)	<b>RB7692</b>



## Engine Breathers

Engine breather;

diesel - rocker cover;		
2.5NA		
to eng. 12J42593C	(1)	<b>ERR1454</b>
eng. 12J42594C on	(1)	<b>ERR737</b>
2.5TD		
to eng. 19J15451C	(1)	<b>ETC7774</b>
eng. 19J15452C on	(1)	<b>ERR737</b>
diesel - crankcase;		
2.5NA		
200Tdi		
up to VIN JA916016 ('92)	(1)	<b>ERR506</b>
VIN JA916017 on	(1)	<b>541010</b>
300Tdi	(1)	<b>ERR406</b>
petrol		
2.25/2.5 4 cyl'	(1)	<b>ERR1454</b>
V8 carb' - flame trap	(2)	<b>603330A</b>
'O' ring - rocker cover breather;		
for ERR14454/ERR737	(1)	<b>ERR736</b>
for ETC77774	(1)	<b>ERC8049</b>
Gasket - crankcase breather	(1)	<b>ERR2026</b>
2.5NA & 200/300Tdi.		

## Fuel Filter

Fuel filter element;

petrol engines		
4 cyl engines	(1)	<b>JS660L</b>
V8		
twin carburettor	(1)	<b>JS660L</b>
efi	(1)	<b>ESR4065</b>
diesel engines		
2.5 NA & 2.5 TD engines	(1)	<b>GFE5296</b>
200/300Tdi - unheated	(1)	<b>AEU2147</b>
Includes seal.		
Td5	(1)	<b>ESR4686</b>
Seal - fuel filter element;		
4 cyl petrol engines & V8 twin carb		
upper seal	(1)	<b>JS657L</b>
lower bolt seal		
inner	(1)	<b>AEU1147</b>
outer	(1)	<b>606207</b>
2.5 NA & 2.5 TD engines		
upper	(1)	<b>AAU9903</b>
lower	(1)	<b>AAU9902</b>
drain plug	(1)	<b>605011</b>
'O' ring	(1)	<b>37H575</b>

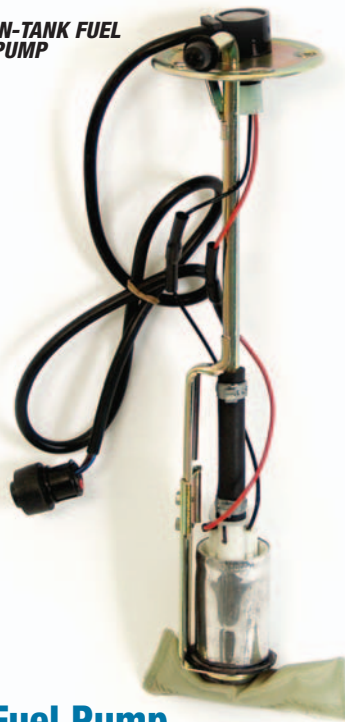
## Fuel Tank

Fuel tank - main;

90 (12 gallons)		
beneath seat-box (steel tank)		
up to VIN AA243342	(1)	<b>NRC9225</b>
VIN AA243343 on	(1)	<b>ESR2242</b>
behind rear axle (plastic tank) - VIN XA on		
petrol engines <i>except</i> V8	(1)	<b>WHK100060</b>
V8 efi	(1)	<b>ESR2657</b>
diesel engines	(1)	<b>WHK100040</b>
110/130 (18 gallons)		
up to VIN WA159806	(1)	<b>NTC2017</b>
All models - steel tank.		
VIN XA159807 on		
Plastic tank.		
petrol engines	(1)	<b>WHK100070</b>
diesel engines	(1)	<b>WHK100050</b>
Fuel tank - secondary (where fitted);		
15 gallon	(1)	<b>ESR4132</b>
10 gallon (Station Wagon)	(1)	<b>NTC2110</b>
Drain plug - steel fuel tanks	(1)	<b>NRC62</b>
Seal - drain plug	(1)	<b>243958</b>
Gasket - fuel return pipe (90)	(1)	<b>ESR3277</b>

90 FUEL TANK

## IN-TANK FUEL PUMP



## Fuel Pump

Fuel pump;

external	(1)	<b>PRC3901</b>
in-tank - separate unit - up to VIN WA		
<i>The in-tank fuel pump and fuel level sender units are separate items up to VIN WA (vehicles with steel fuel tanks), after which they are combined in a single unit (with plastic fuel tanks).</i>		
90	(1)	<b>PRC7019</b>
110	(1)	<b>PRC7020</b>
secondary fuel tank pump		
<i>Vehicles with secondary fuel tank.</i>		
15 gallon tank	(1)	<b>PRC7018</b>
10 gallon tank	(1)	<b>PRC7019</b>
Fuel pump & level sender unit (in-tank) - VIN XA on;		
90		
Tdi	(1)	<b>WQB100430</b>
Td5	(1)	<b>WFX000250</b>
V8 efi	(1)	<b>ESR3928</b>
110/130		
all petrol engines	(1)	<b>WQB100470</b>
Tdi	(1)	<b>WQB100440</b>
Td5	(1)	<b>WFX000260</b>
Gasket - fuel pump;		
up to VIN WA	(1)	<b>ESR3278</b>
Including extra fuel tank.		
VIN XA on		
all <i>except</i> V8 efi	(1)	<b>ESR3806</b>
V8 efi	(1)	<b>NTC5859</b>

## Fuel Level Sender

Fuel level sender - separate unit;

*The fuel level sender is a separate item on vehicles up to VIN WA (with steel fuel tanks), after which it is incorporated into the fuel pump assembly. For vehicles with plastic tanks, see Fuel Pump (above) for sender units.*

90	(1)	<b>STC1139</b>
110		
petrol engines		
Up to VIN JA915411		
- without low fuel light	(1)	<b>PRC8707</b>
- with low fuel light	(1)	<b>STC1482</b>
VIN JA915412 on	(1)	<b>AMR1496</b>
diesel engines		
up to VIN JA915357	(1)	<b>PRC8463</b>
VIN JA915358 on	(1)	<b>AMR1495</b>
secondary fuel tank sender		
15 gallon tank	(1)	<b>PRC8708</b>
10 gallon tank	(1)	<b>PRC3098</b>
Gasket - fuel level sender		
90 & 110 main tank	(1)	<b>ARA1502</b>
secondary tank sender		
15 gallon	(1)	<b>ARA1502</b>
10 gallon	(1)	<b>RTC1148</b>
Locking ring - level sender	(1)	<b>ARA1501</b>

**TO ORDER CALL 01522 568000**

DESCRIPTION QTY REQ. PART No.



**LOCKING FUEL FILLER CAP**

## Fuel Filler Cap

Filler cap;			
up to VIN AA259678			
2 lug, non-locking	(1)	<b>NRC9572</b>	
3 lug, non-locking	(1)	<b>NRC9429</b>	
VIN AA259679 to VIN WA			
non-locking (black)	(1)	<b>NTC27575</b>	
locking			
black	(1)	<b>RTC4072</b>	
grey	(1)	<b>RTC4741</b>	
VIN XA on			
all except V8 efi	(1)	<b>WLD100730</b>	
V8 efi	(1)	<b>NTC5418</b>	
secondary under-seat tank	(1)	<b>569006</b>	



**FUEL LIFT PUMP**

## Lift Pump - Diesel

Fuel lift pump - diesel;			
all 4 cyl engines <i>except</i> 300Tdi	(1)	<b>STC1190</b>	
300Tdi	(1)	<b>ERR5057</b>	
Gasket - fuel lift pump	(2)	<b>ERR2028</b>	
<i>All 4 cyl diesel engines.</i>			

## Injection Pump - Diesel

Injection pump - diesel;			
2.5 NA	(1)	<b>ERC6761</b>	
2.5 TD	(1)	<b>ETC7136</b>	
200Tdi	(1)	<b>ERR1333</b>	
300Tdi			
non EGR	(1)	<b>ERR4419</b>	
EGR	(1)	<b>ERR4046</b>	
Gasket - injection pump - 4 cyl diesel engines;			
2.5 NA & 2.5 TD engines	(1)	<b>ERR3617</b>	
200Tdi	(1)	<b>ERR631</b>	
300Tdi	(1)	<b>ERR2023</b>	
Gasket - fuel connector assembly - Td5;			
to eng.no.10P15967B	(1)	<b>MSX100080</b>	
eng.no.10P15968B on	(1)	<b>MSX000010</b>	

DESCRIPTION QTY REQ. PART No.

## Diesel Injectors

Injector - diesel;			
<i>(Including nozzle).</i>			
2.5 NA engine	(4)	<b>ERR1266</b>	
2.5 TD engine;			
up to VIN GA432367	(4)	<b>564332</b>	
VIN GA432368 on	(4)	<b>ERR1266</b>	
200Tdi	(4)	<b>ETC8412</b>	
300Tdi	(4)	<b>ERR3339</b>	
Td5			
to VIN ECD3	(5)	<b>MSC000040</b>	
<i>Blue.</i>			
VIN ECD3 on	(5)	<b>MSC000030</b>	
<i>Green.</i>			
Nozzle - injector (2.5 NA & TD)	(4)	<b>247726</b>	
Sealing washer - injector;			
2.5 NA & 2.5 TD engines			
upper	(4)	<b>247179</b>	
lower	(4)	<b>12H220L</b>	
200/300Tdi	(4)	<b>ERR4621</b>	
Td5			
upper	(5)	<b>ERR7004</b>	
lower	(5)	<b>ERR6417</b>	
'O'-ring - injector harness -Td5	(2)	<b>NYX100080</b>	

## Accelerator & Choke Cables

Accelerator cable;			
petrol engines			
2.25 petrol			
RHD	(1)	<b>NRC8116</b>	
LHD	(1)	<b>NRC8117</b>	
2.5 petrol			
up to VIN 295722			
- RHD	(1)	<b>NTC2086</b>	
- LHD	(1)	<b>NTC2087</b>	
VIN 295723 on			
- RHD	(1)	<b>NTC3460</b>	
- LHD	(1)	<b>NTC3459</b>	
V8			
carburettor	(1)	<b>NRC5494</b>	
efi	(1)	<b>SBB104100</b>	
diesel engines			
2.5 NA			
RHD	(1)	<b>NTC2743</b>	
LHD			
- up to VIN 267061	(1)	<b>NRC7606</b>	
- VIN 267062 on	(1)	<b>NTC3396</b>	
2.5 TD			
RHD	(1)	<b>NTC2743</b>	
LHD	(1)	<b>NTC3396</b>	
200Tdi			
RHD	(1)	<b>ANR1419</b>	
LHD	(1)	<b>NTC4945</b>	
300Tdi			
RHD	(1)	<b>NTC9360</b>	
LHD	(1)	<b>NTC9359</b>	
Choke cable;			
4 cylinder petrol			
up to VIN AA270139			
RHD	(1)	<b>NRC8626</b>	
LHD	(1)	<b>NRC8627</b>	
VIN AA270140 on			
RHD	(1)	<b>NTC1384</b>	
LHD	(1)	<b>NTC1385</b>	
V8			
up to VIN AA268051			
RHD	(1)	<b>NRC7792</b>	
LHD	(1)	<b>NRC7791</b>	
VIN AA268052 to AA271214			
RHD	(1)	<b>NTC3932</b>	
LHD	(1)	<b>NTC3933</b>	
Choke switch	(1)	<b>RTC5816</b>	
<i>Where fitted.</i>			

## Td5 Accelerator Pedal

Accelerator pedal & potentiometer - Td5;			
up to VIN 1A607224	(1)	<b>SLC100210</b>	
VIN 1A607225 on	(1)	<b>SLC000010PMA</b>	

DESCRIPTION QTY REQ. PART No.

## Gaskets - Fuel system

Gasket - inlet manifold to block;			
4 cyl petrol engines	(2)	<b>564307</b>	
2.5 NA & TD diesel engine	(1)	<b>ETC7750</b>	
<i>Inlet/exhaust gasket.</i>			
200Tdi	(1)	<b>ERR1208</b>	
300Tdi	(1)	<b>ERR3785</b>	
Td5	(1)	<b>LKJ000010</b>	
V8			
tin	(1)	<b>ERC3990</b>	
composite	(1)	<b>ERR7306</b>	
End seal - inlet manifold gasket - V8;			
for tin gasket	(2)	<b>AJM645</b>	
for composite gasket	(2)	<b>ERR7283</b>	
Gasket - carb to inlet manifold;			
4 cyl petrol engines	(2)	<b>ERR4385</b>	
V8	(4)	<b>ERR4381</b>	
Gasket set - carburettor;			
4 cyl petrol engines			
mechanical pump			
single solenoid	(1)	<b>AEU2557</b>	
twin solenoid	(1)	<b>RTC5863</b>	
V8 - SU carbs	(2)	<b>WZX1505A</b>	
V8 - Stromberg carbs	(2)	<b>RTC1481A</b>	

## Air Filter - Standard

*See also K&N Filters.*

Air filter element;			
4 cyl petrol models	(1)	<b>NRC9238</b>	
V8			
twin carb	(1)	<b>RTC3479</b>	
efi	(1)	<b>RTC4683</b>	
Diesel models			
2.5 NA & 2.5 TD	(1)	<b>NRC9238</b>	
200Tdi	(1)	<b>NTC6660</b>	
300Tdi	(1)	<b>ESR2623</b>	
Td5	(1)	<b>ESR4238</b>	



**2.5 DIESEL K&N AIR FILTER**

## Air Filter - K&N

Air filter - K&N;			
<i>See also 4-barrel K&amp;N air cleaners.</i>			
<i>K&amp;N offer superior filtration, an improvement in air flow and many times longer life than standard elements. Plus, they can be cleaned and re-used.</i>			
<i>Available for all models, they replace the original air intake box and/or paper element (or oil bath) and require no alterations to the fuel system on a standard engine (with standard exhaust).</i>			
<i>K&amp;N filters are proven in both competition and off-road environments.</i>			
petrol engines			
2.25	(1)	<b>LL1085</b>	
2.5	(1)	<b>NRC9238K-N</b>	
V8			
carb engines	(2)	<b>RB7296</b>	
efi engines			
- replacement element	(1)	<b>RTC4683K-N</b>	
<i>To replace square element inside air box.</i>			
- cone type	(1)	<b>RA1060</b>	
<i>To replace complete air box assembly.</i>			
diesel engines			
2.5 NA & 2.5 TD	(1)	<b>NRC9238K-N</b>	
200Tdi	(1)	<b>NTC6660K-N</b>	
300Tdi	(1)	<b>NTC1435K-N</b>	
Td5	(1)	<b>ESR4238K-N</b>	

# STAINLESS STEEL EXHAUSTS

## SYSTEM WARRANTIES

The exhaust system is guaranteed for the lifetime of the vehicle whilst it remains in the ownership of the original purchaser of the exhaust.

The guarantee is non-transferable and has no surrender value. In the rare event of a claim, we will replace or repair, free of charge, any part of a system that should fail in service due to defective materials or workmanship. It should be noted that it is quite normal for discolouration to occur on external surfaces after a few months of use. This can be removed with wire wool if required and will not affect the guarantee. The purchaser undertakes to ensure that all engine and exhaust mountings, brackets, clamps, etc, are checked for condition at least once a year and replaced if necessary. Our guarantee does not extend to cover failure due to mis-use, neglect, incorrect installation or failure of a related component.

The warranty covers the exhaust system only. Our prices are kept low for DIY installation, so our liability cannot extend to cover garage labour, recovery, hire car or any other consequential or associated costs. The warranties are in addition to, and do not affect your statutory consumer rights. For any claim, we will need reference to our original sales invoice.

We will also require any failed parts to be made available for collection to be returned to our manufacturer for repair or replacement (this is at the discretion of the manufacturer).

This guarantee does not cover part systems or modifications made to parts unless previously agreed in writing with a Rimmer Bros representative.

Acceptance of goods is deemed to be an acceptance of these terms. This guarantee does not apply to catalysis.



**STAINLESS STEEL EXHAUSTS - A GREAT INVESTMENT. EXHAUSTS ALSO AVAILABLE IN MILD STEEL.**

## Mild & Stainless Steel

### HOW TO IDENTIFY MILD OR STAINLESS STEEL EXHAUSTS USING THE PRICE GUIDE

If you require a FULL standard system, then the part number (beginning LR) in the Price Guide will have an MS suffix (for Mild Steel) or SS (for Stainless Steel).

If you need only a part system or single component, refer to the accompanying listings, where the part numbers are shown separately.

Sports Systems are only available in Stainless Steel.

## THE BENEFITS OF STAINLESS STEEL

Stainless Steel exhausts may cost a little bit more than a mild steel equivalent, but the small additional outlay is far out weighed by the advantages of a lifetime's trouble free motoring. If you are planning to keep your vehicle for any length of time, it is a first class investment.

- *Tough, Reliable, Long Lasting.*
- *Designed to outlast vehicle lifetime.*
- *Quiet operation.*
- *Cost effective.*
- *Vehicle Re-sale value enhanced.*

**Rimmer Bros carry the largest range of Stainless Steel Exhausts off the shelf - ready for immediate delivery. Fitting kits too!**

### FITTING KITS

Fitting kits include gaskets, sealing rings, 'U' bolts, mounting rubbers, nuts & bolts (as necessary) to assemble the systems using original hanger points. Mounting brackets and special support components are not included.



# LAND ROVER 90/110/130 - V8

## STAINLESS STEEL SPORTS EXHAUST SYSTEM

### Sports Exhaust System Stainless Steel - V8 Models

Available for all 90\*,110 & 130 V8 models up to chassis no WA159806 (including efi and large-capacity engine transplants), our stainless steel Sports Exhausts comprise tubular manifolds with large-bore single pipe systems and sports silencers. Designed to increase power & torque, Sports Systems enhance the look of your Land Rover as well. The sound is pure V8, but comfortably refined inside the vehicle at cruising speeds. Each system includes fitting instructions, gaskets and fittings to assemble the system utilising existing mounting positions.

Also available: manifold fitting kit and Thermo-tec manifold wrap. See panels.

\*Please note, the sports system for 90 models is not suitable for the 50th Anniversary Defender V8.

**Sports exhaust - V8;**

90			
3.5 litre	(1)	<b>LR1039</b>	
3.9 litre and above	(1)	<b>LR1072</b>	
110			
3.5 litre	(1)	<b>LR1040</b>	
3.9 litre and above	(1)	<b>LR1073</b>	
130			
3.5 litre	(1)	<b>LR1124</b>	



**LANDROVER V8**  
Sports exhaust manifold fitting kit

**Manifold Fitting Kit** **EF1001**

Kit includes:  
16 studs, nuts, washers. (Used to replace original bolts to enable easier installation of manifolds).

**HOW TO IDENTIFY MILD OR STAINLESS STEEL EXHAUSTS USING THE PRICE GUIDE**

If you require a FULL standard system, then the part number in the Price Guide will have an MS (Mild Steel) or SS (Stainless Steel) suffix.

If you require a PART SYSTEM or just a component, please refer to the sections on the following pages.

## ENHANCEMENTS FOR SPORTS EXHAUST

Our Sports Exhaust Systems are designed to give an increase in power & torque on an otherwise unmodified vehicle. The way they achieve this is by helping the engine to 'breathe out' more efficiently. Naturally, they work just as well (or even better) on modified engines, since most modifications are designed to make the engine breathe more efficiently.

Fitting K&N air filters at the same time as our Sports System will help the engine to 'breathe in' more efficiently - by removing the restrictive standard air filter - yielding even better results. (For K&N filters, see our Fuel Section).

To gain maximum benefit from our Sports

System, particularly in large capacity V8s (3.9 or even 4.6 litre versions), fit our Big Valve Performance cylinder heads. These heads are ported and gas-flowed to help the engine achieve optimum efficiency. (For Performance cylinder heads, refer to our V8 Engine Section).

Finally, don't forget your fuel system: all this extra efficiency will be lost if your carbs are worn out or your injection system is not up to scratch! The original carbs should be adequate for an otherwise unmodified 3.5 engine fitted with a Sports System and K&N filters (provided they are correctly set up). For the same vehicle fitted with modified cylinder heads or a bigger engine,

however, we would recommend fitting either a Holley or Weber 4 barrel carb (see our Fuel Section).

Similarly, standard Efi vehicles will need no modifications to the injection system when fitting a Sports System and K&N. If further modifications are being considered, such as a change of camshaft, Performance cylinder heads or a bigger engine, we strongly recommend a remapped ecu to provide the correct fuelling. We can remap your existing ecu to suit your engine's requirements exactly, giving crisper throttle response, more power and torque and better fuel efficiency, (see our Electrical Section).

## EXHAUST INSULATION WRAP

**Thermo-Tec Insulating Wrap gives safety with performance.**

Tubular manifolds, by design, produce a vast amount of heat in the engine compartment. This increases the possibility of electrical/ignition components not working effectively and promotes a higher risk of fire (if any combustible material comes in to contact with the manifold), not to mention the likelihood of severe burns when working on the engine!

By wrapping your tubular manifold with Thermo-Tec insulating wrap you can overcome all these risk factors. Thermo-Tec keeps the heat within the manifold so the exhaust gases have a much higher velocity, this induces negative pressure (scavenging) which increases air intake flow, resulting in better performance & economy. It also reduces under bonnet exhaust noise.

**Technical Notes:**

Thermo-Tec heat wrap - which is race & rally proven - comes in rolls 2" wide x 50ft long and moulds to the contours of the manifold. Being a silica based fabric (it does not contain asbestos or carcinogens), it is unaffected by oil or water, withstands temperatures up to 1000 degrees celsius and reduces under bonnet temperatures by up to 70%.

**Snap-Strap Retaining Kit**

We strongly recommend that you use Snap-Straps to retain the insulation. These are stainless steel straps with a narrow profile (for tight spots) that you cut to length and fasten with snap type heads. Alternatively you can skin your knuckles and use hose clips!

**Extra Protection**

Also recommended is Hy-cote paint. This preserves and protects the exhaust wrap after installation. Extra resins and binders seal the pores, toughen the surface and help extend the life of the wrap.

<b>THERMO-TEC INSULATION WRAP - 2"x50' ROLL</b>	(2 Req)	<b>RX1382</b>
<b>THERMO-TEC SNAP-STRAP KIT STAINLESS STEEL</b>	(1 Req)	<b>RX1383</b>
<b>HY-COTE PAINT, AEROSOL (400ml)</b>	(a/r)	<b>RX1432</b>



**TO ORDER CALL 01522 568000**

# STANDARD EXHAUST SYSTEM

## Full System - Petrol Standard - Mild & Stainless Steel

See also **Part Systems** for catalyst equipped vehicles.  
See also **Individual System Components** on following pages.

### PETROL

#### Full system - 2.25 petrol;

90	up to August 1985 To VIN 232010.	mild or stainless steel fitting kit	(1)	LR1006
			(1)	LR1006FK
110	March 1983 to 1986	mild or stainless steel fitting kit	(1)	LR1022
			(1)	LR1022FK

#### Full system - 2.5 petrol;

90	August 1985 to 1986 Hardtop & Station Wagon to VIN 253495. Soft top to VIN 232010.	mild or stainless steel fitting kit	(1)	LR1007
			(1)	LR1007FK
	1986 to 1987 To VIN 267063.	mild or stainless steel fitting kit	(1)	LR1008
			(1)	LR1008FK
	1987 on VIN 267064 on.	mild or stainless steel fitting kit	(1)	LR1009
			(1)	LR1009FK

110	Aug 1985 to Aug 1986 4-piece system.	mild or stainless steel fitting kit	(1)	LR1023
			(1)	LR1023FK
	Aug 1986 on 3-piece system.	mild or stainless steel fitting kit	(1)	LR1025
			(1)	LR1025FK

127/130	Aug 1985 to Aug 1986 5-piece system.	mild or stainless steel fitting kit	(1)	LR1148
			(1)	LR1148FK
	Aug 1986 on 4-piece system.	mild or stainless steel fitting kit	(1)	LR1107
			(1)	LR1107FK



#### Full system - 3.5 V8 carb;

90	up to 1986 Hardtop & Station Wagon up to VIN 253495. Soft top up to VIN 232010.	mild or stainless steel fitting kit	(1)	LR1010
			(1)	LR1010FK
	1986 to 1987 Hardtop & Station Wagon VIN253496 to 267063. Soft top VIN 232011 to 267063.	mild or stainless steel fitting kit	(1)	LR1035
			(1)	LR1035FK
	1987 only VIN 267064 to VIN 267907.	mild or stainless steel fitting kit	(1)	LR1036
			(1)	LR1036FK
	1987 to 1989 VIN 267908 to FA404321	mild or stainless steel fitting kit	(1)	LR1011
			(1)	LR1011FK
	1989 on VIN FA404322 on.	mild or stainless steel fitting kit	(1)	LR1061
			(1)	LR1061FK

110	March 1983 to Aug 1986 Up to VIN 267907.	mild or stainless steel fitting kit	(1)	LR1027
			(1)	LR1027FK
	Aug 1986 to 1988 VIN 267908 to FA403996	mild or stainless steel fitting kit	(1)	LR1028
			(1)	LR1028FK
	1988 on VIN FA403997 on.	mild or stainless steel fitting kit	(1)	LR1046
			(1)	LR1046FK

127/130	March 1983 to Aug 1986 Up to VIN 267907.	mild or stainless steel fitting kit	(1)	LR1145
			(1)	LR1145FK
	Aug 1986 to 1988 VIN 267908 to FA403996	mild or stainless steel fitting kit	(1)	LR1146
			(1)	LR1146FK
	1988 on VIN FA403997 on.	mild or stainless steel fitting kit	(1)	LR1147
			(1)	LR1147FK

#### Full system - 3.9/4.0 V8 Efi

90	Non Cat	mild or stainless steel fitting kit	(1)	LR1141
			(1)	LR1141FK
	With Cat	mild or stainless steel fitting kit	(1)	LR1142
			(1)	LR1142FK
110	Non Cat	mild or stainless steel fitting kit	(1)	LR1143
			(1)	LR1143FK

### FITTING KITS

Fitting kits include gaskets, sealing rings, 'U' bolts, mounting rubbers, nuts & bolts (as necessary) to assemble the systems using original hanger points. Mounting brackets and special support components are not included.

EXHAUST SYSTEM - STANDARD (PETROL)

# EXHAUST SYSTEM - STANDARD (DIESEL)

DESCRIPTION QTY REQ. PART No. DESCRIPTION QTY REQ. PART No. DESCRIPTION QTY REQ. PART No.

## Full System - Diesel Standard - Mild & Stainless Steel

See also **Part Systems** for catalyst equipped vehicles.  
See also **Individual System Components** on following pages.

### DIESEL

#### Full system - 2.25 diesel;

110 - up to Aug 1986  
To VIN 266789.

mild or stainless steel (1) **LR1024**  
fitting kit (1) **LR1024FK**

#### Full system - 2.5 NA diesel (non turbo);

90

1984 to 1986  
Hardtop & Station Wagon to VIN 253495.  
Soft top to VIN 232010.

mild or stainless steel (1) **LR1032**  
fitting kit (1) **LR1032FK**

1986 to 1987  
Hardtop & Station Wagon VIN 253495 to VIN 267063.  
Soft top from VIN 232011 to VIN 267063.

mild or stainless steel (1) **LR1034**  
fitting kit (1) **LR1034FK**

1987 to 1992  
VIN 267064 up to VIN JA911705.

mild or stainless steel (1) **LR1031**  
fitting kit (1) **LR1031FK**

1992 on  
VIN JA911706 on.

mild or stainless steel (1) **LR1062**  
fitting kit (1) **LR1062FK**

110

Aug 1986 to 1992  
VIN 266790 to VIN JA911705.

mild or stainless steel (1) **LR1026**  
fitting kit (1) **LR1026FK**

1992 on  
VIN JA911706 on.

mild or stainless steel (1) **LR1048**  
fitting kit (1) **LR1048FK**

127/130

Aug 1986 to 1992  
VIN 266790 to VIN JA911705.

mild or stainless steel (1) **LR1149**  
fitting kit (1) **LR1149FK**

1992 on  
VIN JA911706 on.

mild or stainless steel (1) **LR1108**  
fitting kit (1) **LR1108FK**

#### Full system - 2.5 TD diesel;

90

Oct 1986 to Set 1990  
Up to VIN FA450140.

mild or stainless steel (1) **LR1037**  
fitting kit (1) **LR1037FK**

Sept 1990 on  
VIN FA450141 on.

mild or stainless steel (1) **LR1063**  
fitting kit (1) **LR1063FK**

110

Oct 1986 to Sept 1990  
Up to VIN 450078.

mild or stainless steel (1) **LR1033**  
fitting kit (1) **LR1033FK**

Sept 1990 on  
VIN 450079 on.

mild or stainless steel (1) **LR1050**  
fitting kit (1) **LR1050FK**

127/130

Oct 1986 to Sept 1990  
Up to VIN 450078.

mild or stainless steel (1) **LR1150**  
fitting kit (1) **LR1150FK**

Sept 1990 on  
VIN 450079 on.

mild or stainless steel (1) **LR1144**  
fitting kit (1) **LR1144FK**

#### Full system - 200Tdi diesel;

90

mild or stainless steel (1) **LR1057**  
fitting kit (1) **LR1057FK**

110

mild or stainless steel (1) **LR1054**  
fitting kit (1) **LR1054FK**

130

mild or stainless steel (1) **LR1103**  
fitting kit (1) **LR1103FK**

#### Full system - 300Tdi diesel;

90

non-cat - VIN MA939976 to MA951235  
mild or stainless steel (1) **LR1089**  
fitting kit (1) **LR1089FK**

non-cat - VIN MA951236 to TA997521  
mild or stainless steel (1) **LR1090**  
fitting kit (1) **LR1090FK**

non-cat - VIN TA997522 on  
mild or stainless steel (1) **LR1093**  
fitting kit (1) **LR1093FK**

with cat - VIN MA939976 to MA951235  
mild or stainless steel (1) **LR1088**  
fitting kit (1) **LR1088FK**

with cat - VIN MA951236 to TA997521  
mild or stainless steel (1) **LR1096**  
fitting kit (1) **LR1096FK**

with cat - VIN TA997522 on  
mild or stainless steel (1) **LR1097**  
fitting kit (1) **LR1097FK**

110

non-cat  
mild or stainless steel (1) **LR1092**  
fitting kit (1) **LR1092FK**

with cat  
mild or stainless steel (1) **LR1094**  
fitting kit (1) **LR1094FK**

130

non-cat - VIN MA939976 on  
mild or stainless steel (1) **LR1099**  
fitting kit (1) **LR1099FK**

with cat  
mild or stainless steel (1) **LR1100**  
fitting kit (1) **LR1100FK**

#### Full system - Td5 diesel;

90

non-cat  
mild or stainless steel (1) **LR1135**  
fitting kit (1) **LR1135FK**

with cat  
mild or stainless steel (1) **LR1136**  
fitting kit (1) **LR1136FK**

110

non-cat  
mild or stainless steel (1) **LR1137**  
fitting kit (1) **LR1137FK**

with cat  
mild or stainless steel (1) **LR1138**  
fitting kit (1) **LR1138FK**

130

non-cat  
mild or stainless steel (1) **LR1139**  
fitting kit (1) **LR1139FK**

with cat  
mild or stainless steel (1) **LR1140**  
fitting kit (1) **LR1140FK**

## Part System - Cat Back Standard - Mild & Stainless Steel

Part Systems are catalyst back.

See also **Individual System Components** on the following pages.

#### Part system - 300Tdi (catalyst models);

90 - cat back

VIN MA939976 to MA951235  
mild or stainless steel (1) **LR1095**  
fitting kit (1) **LR1095FK**

VIN MA951236 to TA997521  
mild or stainless steel (1) **LR1087**  
fitting kit (1) **LR1087FK**

VIN TA997522 on  
mild or stainless steel (1) **LR1091**  
fitting kit (1) **LR1091FK**

110 - cat back

mild or stainless steel (1) **LR1098**  
fitting kit (1) **LR1098FK**

130 - cat back

mild or stainless steel (1) **LR1101**  
fitting kit (1) **LR1101FK**

#### Part system - TD5 (catalyst models);

90 - cat back

mild or stainless steel (1) **LR1127**  
fitting kit (1) **LR1127FK**

110 - cat back

mild or stainless steel (1) **LR1128**  
fitting kit (1) **LR1128FK**

130 - cat back

mild or stainless steel (1) **LR1129**  
fitting kit (1) **LR1129FK**



### FITTING KITS

Fitting kits include gaskets, sealing rings, 'U' bolts, mounting rubbers, nuts & bolts (as necessary) to assemble the systems using original hanger points. Mounting brackets and special support components are not included.

**TO ORDER CALL 01522 568000**

# STANDARD EXHAUST COMPONENTS

## Individual System Components - Petrol Standard - Mild & Stainless Steel

This section lists individual exhaust components in both mild steel and stainless steel. Use it to select the appropriate parts if you are not replacing the whole system.

### PETROL

#### System Components - 2.25 petrol;

90  
up to August 1985  
To VIN 232010.

front pipe	NRC8911	LR61
link pipe	NRC6436	LR62
main box	NRC8888	LR72
rear box & tailpipe	NRC8889	LR73

110  
March 1983 to 1986

front pipe	NRC8911	LR61
link pipe	NRC6436	LR62
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

#### System Components - 2.5 petrol;

90  
August 1985 to 1986  
Hardtop & Station Wagon to VIN 253495.  
Soft top to VIN 232010.

front pipe	NTC2036	LR81
link pipe	NTC1664	LR82
main box	NRC8888	LR72
rear box & tailpipe	NRC8889	LR73

1986 to 1987  
To VIN 267063.

front pipe	NTC2036	LR81
link pipe	NTC1664	LR82
main box	NRC8888	LR72
axle pipe	NTC1150	LR83
tailpipe	NTC1149	LR84

1987 on  
VIN 267064 on.

front pipe	NTC1794	LR85
main box	NTC4615	LR86
axle pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

110  
Aug 1985 to Aug 1986  
4-piece system.

front pipe	NTC2036	LR81
link pipe	NTC1664	LR82
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

Aug 1986 on  
3-piece system.

front pipe	NTC1794	LR85
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

127/130  
Aug 1985 - Aug 1986  
5-piece system.

front pipe	NTC2036	LR81
link pipe	NTC1664	LR82
adaptor pipe	- RA1011F	
extension pipe	- LR219	
main box	- LR215	
tailpipe	- LR214	

Aug 1986 on  
4-piece system.

front pipe	NTC1794	LR85
extension pipe	- LR219	
adaptor pipe	- RA1011F	
main box	- LR215	
tailpipe	- LR214	

#### System Components - 3.5 V8;

90  
up to 1986  
Hardtop & Station Wagon up to VIN 253495.  
Soft top up to VIN 232010.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NRC8888	LR72
rear box & tailpipe	NRC8889	LR73

1986 to 1987  
Hardtop & Station Wagon VIN253496 to 267063.  
Soft top VIN 232011 to 267063.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NRC8888	LR72
axle pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

1987 only  
VIN 267064 to VIN 267907.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NTC4615	LR86
axle pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

1987 to 1989  
VIN 267908 to FA404321

front pipe - rh	NTC1136	LR90
front pipe - lh	NTC1133	LR91
'Y' pipe	NTC2726	LR95
main box	NTC4615	LR86
axle pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

1989 on  
VIN FA404322 on.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NTC2726	LR95
main box	NTC4615	LR86
axle pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

110  
March 1983 to Aug 1986  
Up to VIN 267907.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

Aug 1986 to 1988  
VIN 267908 to FA403996

front pipe - rh	NTC1136	LR90
front pipe - lh	NTC1133	LR91
'Y' pipe	NTC2726	LR95
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

1988 on  
VIN FA403997 on.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NTC2726	LR95
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

#### 127/130

March 1983 to Aug 1986  
Up to VIN 267907.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99
extension pipe	RRC4419	LR151

Aug 1986 to 1988  
VIN 267908 to FA403996

front pipe - rh	NTC1136	LR90
front pipe - lh	NTC1133	LR91
'Y' pipe	NTC2726	LR95
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99
extension pipe	RRC4419	LR151

1988 on  
VIN FA403997 on.

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NTC2726	LR95
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99
extension pipe	RRC4419	LR151

#### System Components - 3.9/4.0 V8 efi;

90  
non-cat

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NRC8888	LR72
rear box & tailpipe	NRC8889	LR73

with cats

downpipe/cats/'Y' pipe	ESR4106	ESR4106P
main box	WCE104000	LR4630
rear box & tailpipe	WDV100240	LR2940
lambda sensor	AMR6244	AMR6244

110 - non-cat

front pipe - rh	NRC6432	LR66
front pipe - lh	NRC4219	LR39
'Y' pipe	NRC4218	LR41
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99



**FITTING KITS**  
Fitting kits include gaskets, sealing rings, 'U' bolts, mounting rubbers, nuts & bolts (as necessary) to assemble the systems using original hanger points. Mounting brackets and special support components are not included.

EXHAUST COMPONENTS - STANDARD (PETROL)

# STANDARD EXHAUST COMPONENTS

## Individual System Components - Diesel Standard - Mild & Stainless Steel

This section lists individual exhaust components in both mild steel and stainless steel. Use it to select the appropriate parts if you are not replacing the whole system.

### DIESEL

#### System Components - 2.25 diesel;

110 up to Aug 1986  
To VIN 266789.

front pipe	NRC9137	LR71
link pipe	NRC6436	LR62
main box	NTC4614	LR96
rear box & tailpipe	NTC1800	LR99

#### System Components - 2.5 NA diesel (non turbo);

90

1984 to 1986  
Hardtop & Station Wagon to VIN 253495.  
Soft top to VIN 232010.

front pipe	NRC9137	LR71
link pipe	NRC6436	LR62
main box	NRC8888	LR72
rear box & tailpipe	NRC8889	LR73

1986 to 1987  
Hardtop & Station Wagon VIN 253495 to VIN 267063.  
Soft top from VIN 232011 to VIN 267063.

front pipe	NRC9137	LR71
link pipe	NRC6436	LR62
main box	NRC8888	LR72
axle pipe	NTC1150	LR83
tailpipe	NTC1149	LR84

1987 to 1992 - VIN 267064 up to VIN JA911705.

front pipe	ESR1617	LR88
main box	NTC4615	LR86
axle pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

1992 on - VIN JA911706 on.

front pipe	ESR158	LR141
main box	NTC4615	LR86
link pipe/box	NTC1150	LR83
tailpipe	NTC1149	LR84

110

Aug 1986 to 1992 - VIN 266790 to VIN JA911705.

front pipe	ESR1617	LR88
main box	NTC4614	LR96
rear box	NTC1800	LR99

1992 on - VIN JA911706 on.

front pipe	ESR158	LR141
main box	NTC4614	LR96
rear box	NTC1800	LR99

127/130

Aug 1986 to 1992 - VIN 266790 to VIN JA911705.

front pipe	-	LR88
extension pipe	-	LR219
adaptor pipe	-	RA1011F
main box	-	LR215
rear box & tailpipe	-	LR214

1992 on - VIN JA911706 on.

front pipe	ESR158	LR141
extension pipe	-	LR219
main box	-	LR215
rear box & tailpipe	-	LR214

#### System Components - 2.5 TD diesel;

90

Oct 1986 to Set 1990 - Up to VIN FA450140.

front pipe	NTC4426	LR89
main box	NTC1665	LR93
link pipe	NTC4221	LR92
tailpipe/box	NTC1802	LR94

Sept 1990 on - VIN FA450141 on.

front pipe	ESR159	LR142
link pipe	NTC4221	LR92
main box	NTC1665	LR93
tailpipe/box	NTC1802	LR94

110

Oct 1986 to Sept 1990 - Up to VIN 450078.

front pipe	NTC4426	LR89
link pipe	NTC4221	LR92
main box	NTC1666	LR98
rear box & tailpipe	NTC1800	LR99

Sept 1990 on - VIN 450079 on.

front pipe	ESR159	LR142
link pipe	NTC4221	LR92
main box	NTC1666	LR98
rear box & tailpipe	NTC1800	LR99

127/130

Oct 1986 to Sept 1990 - Up to VIN 450078.

front pipe	NTC4426	LR89
link pipe	NTC4221	LR92
adaptor pipe	-	RA1011F
extension pipe	-	LR219
main box	-	LR215
rear box & tailpipe	-	LR214

Sept 1990 on - VIN 450079 on.

front pipe	ESR159	LR142
link pipe	NTC4221	LR92
adaptor pipe	-	RA1011F
extension pipe	-	LR219
main box	-	LR215
rear box & tailpipe	-	LR214

#### System Components - 200 Tdi;

Up to VIN MA939975.

90

front pipe	ESR158	LR141
main box	ESR358	LR146
rear box & tail pipe	ESR254	LR147

110

front pipe	ESR158	LR141
main box	ESR54	LR144
rear box & tail pipe	ESR359	LR145

130

front pipe	ESR158	LR141
extension pipe	ESR255	LR220
main box	ESR439	LR221
rear box & tail pipe	ESR359	LR145

#### System Components - 300 Tdi;

90

non-cat - VIN MA939976 to MA951235		
front pipe	ESR2297	LR212
front silencer	ESR2381	LR206
tail pipe	ESR2382	LR207

non-cat - VIN MA951236 to TA997521		
front pipe	ESR2297	LR212
front silencer	ESR2381	LR206
tailpipe	ESR3463	LR209

non-cat - VIN TA997522 on

front pipe	ESR2297	LR212
front silencer	ESR4526	LR208
tailpipe	ESR4527	LR211

with cat - VIN MA939976 to MA951235

downpipe/catalyst	ESR3495	ESR3495P
'P' suffix denotes non-OE catalyst.		
middle silencer	ESR2381	LR206
rear silencer/tailpipe	ESR2382	LR207
lambda sensor		LR187

with cat - VIN MA951236 to TA997521

downpipe/catalyst ESR3495 ESR3495P  
'P' suffix denotes non-OE catalyst.

middle silencer	ESR2381	LR206
rear silencer/tailpipe	ESR3463	LR209
lambda sensor		LR187

with cat - VIN TA997522 on

downpipe/catalyst ESR3495 ESR3495P  
'P' suffix denotes non-OE catalyst.

middle silencer	ESR4526	LR208
rear silencer/tailpipe	ESR4527	LR211
lambda sensor		LR187

110

non-cat

front pipe	ESR2297	LR212
front silencer	ESR2383	LR213
tail pipe	ESR2384	LR214

with cat

downpipe/catalyst ESR3495 ESR3495P  
'P' suffix denotes non-OE catalyst.

middle silencer	ESR2383	LR213
rear silencer/tailpipe	ESR2384	LR214
lambda sensor		LR187

130

non-cat - VIN MA939976 on

front pipe	ESR2297	LR212
extension pipe	ESR2386	LR219
middle silencer	ESR2385	LR215
rear silencer/tail pipe	ESR2384	LR214

with cat - VIN MA939976 on

downpipe/catalyst ESR3495 ESR3495P  
'P' suffix denotes non-OE catalyst.

extension pipe	ESR2386	LR219
middle silencer	ESR2385	LR215
rear silencer/tailpipe	ESR2384	LR214
lambda sensor		LR187

#### System Components - Td5;

90

non-cat

front pipe	WCD106210	WCD106210SS
main silencer	WCE000030	LR5170
rear silencer/ tailpipe	WCG102940	LR2941

with cat

down pipe/cat	WCD000500	WCD000500P
'P' suffix denotes non-OE catalyst.		
main silencer	WCE000030	LR5170
rear silencer/ tailpipe	WCG102940	LR2941

110

non-cat

front pipe	WCD106210	WCD106210SS
main silencer	WCE000040	LR5180
rear silencer/ tailpipe	WCG103020	LR3020

with cat

down pipe/cat	WCD000500	WCD000500P
'P' suffix denotes non-OE catalyst.		
main silencer	WCE000040	LR5180
rear silencer/ tailpipe	WCG103020	LR3020

130

non-cat

front pipe	WCD106210	WCD106210SS
main silencer	WCE000050	LR5180-1
rear silencer/ tailpipe	WCG103020	LR3020

with cat

down pipe/cat	WCD000500	WCD000500P
'P' suffix denotes non-OE catalyst.		
main silencer	WCE000050	LR5180-1
rear silencer/ tailpipe	WCG103020	LR3020

### FITTING KITS

Fitting kits include gaskets, sealing rings, 'U' bolts, mounting rubbers, nuts & bolts (as necessary) to assemble the systems using original hanger points. Mounting brackets and special support components are not included.

# QUICKFINDER - GASKETS & FITTINGS

## Standard Exhaust Gaskets & Fittings

See also 'Fitting Kits' for full or part systems.

Gasket - inlet to exhaust manifold(1) 4 cyl petrol engines.	(1)	<b>ERR4387</b>
Gasket - exhaust manifold to cylinder head; diesel		
2.5 NA & TD diesel engines	(1)	<b>ETC7750</b>
200Tdi	(1)	<b>ERR1208</b>
300Tdi	(1)	<b>ERR3785</b>
Td5	(1)	<b>LKG100470</b>
V8		
up to 1994 (VIN LA)	(8)	<b>AJM692</b>
1995 (VIN MA) on Twin port type.	(4)	<b>ERR6733</b>
Gasket - manifold to downpipe; petrol engines		
4 cylinder From VIN AA267064.	(1)	<b>ETC5337</b>
V8		
non-cat	(2)	<b>ERC2734</b>
with cats	(2)	<b>ETC4524</b>
diesel - non-turbo	(1)	<b>ETC5337</b>
Gasket - exhaust manifold to turbo;		
2.5 TD	(1)	<b>ETC5710</b>
200Tdi	(1)	<b>ETC5710</b>
Td5	(1)	<b>ERR6768</b>
Gasket - turbo to downpipe;		
300Tdi	(1)	<b>ETC7513</b>
TD5	(1)	<b>ESR3737</b>

Stud - exhaust manifold to downpipe; 4 cyl non-turbo engines	(3)	<b>AFU1848L</b>
V8		
5/16"UNF x 1 1/2"	(6)	<b>252623</b>
M8 x 25mm	(6)	<b>TE108051</b>
Stud - turbo to exhaust downpipe;		
300Tdi	(3)	<b>STC3159</b>
Td5	(3)	<b>UAM2368L</b>
Tab washer - V8	(8)	<b>90613659A</b>
<i>Large 'C' shaped washer with tabbed ends, locks upper &amp; lower manifold-to-head bolts.</i>		
Exhaust manifold stud kit	(1)	<b>EF1001</b>
<i>Replaces exhaust manifolds bolts with studs, which fit permanently into cyl' heads, and brass nuts.</i>		
Olive - exhaust;		
2.5 NA	(1)	<b>NTC2731</b>
2.5 TD	(1)	<b>EG26</b>
4 cyl petrol (rear)	(12)	<b>NTC2731</b>
V8 with cats	(6)	<b>EG47</b>
Lambda sensor;		
V8 with cats	(2)	<b>AMR6244</b>
Blanking plug - Lambda	(2)	<b>WYB10005</b>
Rubber hanger;		
2.5 TD		
up to VIN MA988236 (1995)	(1)	<b>NTC3650</b>
300Tdi	(1)	<b>ESR3172</b>
V8 with cats	(2)	<b>ESR3172</b>
Exhaust jointing compound	(a/r)	<b>GCH112</b>

Fixings - exhaust manifold to cyl' head;		
2.25/2.5 petrol		
stud - M8 x 25	(3)	<b>TE108051</b>
bolts		
M8 x 70	(2)	<b>BH108141</b>
M8 x 30	(2)	<b>FB108061</b>
nut - M8	(3)	<b>FN108047</b>
2.5 NA diesel		
stud - M8	(9)	<b>TE108051</b>
nut - M8	(9)	<b>NH108041L</b>
2.5 TD		
stud - M8 x 35	(1)	<b>TE108071</b>
bolts		
short	(2)	<b>ETC7917</b>
long	(2)	<b>ETC6910</b>
nut - M8	(1)	<b>NH108065L</b>
200Tdi		
stud - M8 x 25mm	(2)	<b>TE108051</b>
bolt - M8 x 80	(2)	<b>FB108161L</b>
nut - M8	(2)	<b>FN108047L</b>
300Tdi		
studs		
M8 x 25mm	(2)	<b>TE108051L</b>
M10 x 35mm	(7)	<b>TE110071</b>
nuts		
M8	(2)	<b>FN108047</b>
M10	(7)	<b>FX110047</b>
Td5		
stud - M8 x 25	(10)	<b>TE108051L</b>
nut - M8	(1)	<b>NTC1966</b>



DESCRIPTION QTY REQ. PART No.

## Gear Oil

### LUBRICANTS & CAPACITIES

Gearbox	Lubricant	Capacity
LT95 (4 speed)	20W/50	2.6 litres (4.5 pints)
LT77 & LT77S	ATF	2.2 litres (3.9 pints)
R380	ATF	2.7 litres (4.7 pints)
LT230T/Q <i>Transfer Box.</i>	EP90	2.8 litres (4.9 pints)

20W/50 (Unipart) 1 litre	(A/R)	<b>GGL614</b>
EP90 (Unipart) 0.5 litre	(A/R)	<b>GGL190</b>
ATF (Unipart)		
0.5 litre	(A/R)	<b>GGL175</b>
5 litres	(A/R)	<b>GGL505</b>

## MANUAL GEARBOX

### Gearbox Assembly

Please contact our sales department for prices & availability of manual gearbox assemblies, quoting gearbox type and serial number/suffix.

Gearbox assemblies are supplied less transfer box, bellhousing & gear lever.

### Gaskets & Oil Seals

Gasket kit - LT77 gearbox	(1)	<b>RTC6797</b>
Gearbox gaskets & seals;		
LT77		
rear oil seal	(1)	<b>ICV100000</b>
collar - rear oil seal	(1)	<b>FRC4493</b>
'O' ring - collar	(1)	<b>FRC4501</b>
front cover oil seal	(1)	<b>FTC5303</b>
front cover gasket	(1)	<b>FTC316</b>
85mm (Santana)		
rear oil seal	(1)	<b>ICV100000</b>
front cover oil seal	(1)	<b>FRC2361</b>
front cover gasket		
20C gearbox	(1)	<b>FRC3072</b>
22C gearbox	(1)	<b>FRC8215</b>
transfer box gasket	(2)	<b>FRC3073</b>
rear extension gasket	(1)	<b>FRC2465</b>
top cover gasket	(1)	<b>FRC2487</b>
R380		
front cover oil seal	(1)	<b>FTC5303</b>
gearchange housing seal	(1)	<b>FTC4510</b>

### Service Items

Oil strainer - gearbox drain plug;		
LT77 gearbox	(1)	<b>FRC6244</b>
85mm (Santana) gearbox	(1)	<b>576220</b>
Gear knob;		
LT77 & 85mm gearboxes	(1)	<b>FRC8722</b>
R380		
standard type	(1)	<b>BTR9270</b>
aluminium	(1)	<b>STC60508</b>
50th Anniversary/Tomb Raider Editions		
X-Tech L.E.	(1)	<b>UKJ000010</b>
Reverse light switch;		
LT77		
4 cylinder engines		
up to VIN FA410277	(1)	<b>PRC2911</b>
VIN FA410278 on	(1)	<b>PRC8204</b>
V8	(1)	<b>BAU1074A</b>
R380	(1)	<b>AMR3918</b>
Seal - reverse light switch - R380(1)		<b>ALU1403L</b>

### Gear Lever Gaiter

Gaiter - main and transfer gear levers;		
all models except V8 efi	(1)	<b>BTR1698</b>
V8 efi	(1)	<b>FJL101970</b>
Cable-tie - gear lever gaiter	(1)	<b>AFU4173</b>

### Oil Cooler - Gearbox

Please contact our sales department for price & availability of gearbox oil coolers.

**TO ORDER CALL 01522 568000**

DESCRIPTION QTY REQ. PART No.

## TRANSFER GEARBOX

### Transfer 'Box Assembly

Please contact our sales department for prices & availability of transfer gearbox assemblies, quoting gearbox type and serial number.

### Centre Differential

Centre differential;		
except 13D gearboxes and Td5(1)		<b>FTC5207</b>
13D gearboxes	(1)	<b>FRC7569</b>
Td5 (43D gearbox)	(1)	<b>FTC5013</b>

### Gaskets & Oil Seals

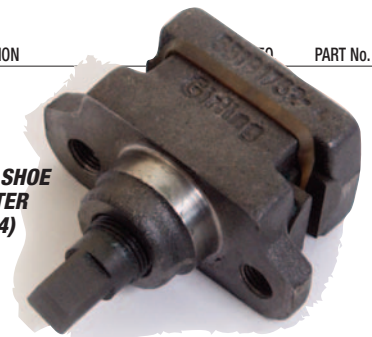
Gasket set - transfer gearbox	(1)	<b>RTC3890</b>
Includes all gaskets and 'O' rings required when overhauling the transfer gearbox.		
Up to VIN LA (1994) only.		
VIN MA (1995) on, see below.		
Gaskets - transfer 'box';		
up to 1994 (VIN LA);		
front housing to main case	(1)	<b>FRC6103</b>
side cover - front housing	(1)	<b>FRC6105</b>
top cover - front housing	(1)	<b>FRC7998</b>
power take-off cover	(2)	<b>FRC5413</b>
speedo' housing	(1)	<b>FRC5409</b>
bottom cover plate	(1)	<b>FRC5416</b>
gear change housing lower	(1)	<b>FTC4036</b>
gear change housing upper	(1)	<b>FTC4037</b>
1995 (VIN MA) on		
silicone sealant	(1)	<b>RTC3254</b>
Used instead of gaskets when assembling transfer 'box.		
Oil seal - front & rear flange	(1)	<b>FTC4939</b>
Drain plug - transfer 'box	(1)	<b>599552</b>
Seal - drain plug	(1)	<b>FRC4808</b>
Grommet - transfer gear lever	(1)	<b>FRC6872</b>

### Speedo' Cable & Drive Gear

Speedo' cable;		
2-piece cable		
4 cylinder engines - to VIN 268134		
upper cable	(1)	<b>PRC5567</b>
lower cable	(1)	<b>PRC5663</b>
V8 - to VIN268016		
upper cable - RHD & LHD	(1)	<b>PRC5567</b>
lower cable		
- RHD	(1)	<b>PRC5664</b>
- LHD	(1)	<b>PRC5662</b>
1-piece cable		
4 cylinder engines		
RHD	(1)	<b>PRC6022</b>
LHD	(1)	<b>PRC6021</b>
V8		
RHD	(1)	<b>PRC6023</b>
LHD	(1)	<b>PRC6021</b>
Speedo' drive gear	(1)	<b>FRC3162</b>
Transfer 'box output shaft.		
Speedo' driven gear;		
blue - 20 teeth	(1)	<b>FRC3310</b>
green - 21 teeth	(1)	<b>FRC3311</b>
yellow - 22 teeth	(1)	<b>FRC3312</b>
black - 23 teeth	(1)	<b>FRC9339</b>
red - 24 teeth	(1)	<b>FRC3313</b>
'O' ring seal - gear housing	(1)	<b>571665</b>

DESCRIPTION QTY REQ. PART No.

### BRAKE SHOE ADJUSTER (STC244)



### Parking/Hand Brake

The parking/hand brake on all Land Rover models is operated from a drum brake fitted to the rear of the transfer box. There are two types of brake shoe arrangement on 5 speed and automatic vehicles, depending on the year. Vehicles up to 1994 are fitted with horizontally mounted brake shoes (ie one at 12 o'clock and the other at 6 o'clock). This type can be easily identified, without removing the rear propshaft and drum, by looking at the drum backplate; there is a linkage coming from the backplate, to which the operating cable is attached.

From 1995, vertically mounted shoes are fitted (ie one at 3 o'clock and one at 9 o'clock). This type can easily be identified by looking at the backplate, as it has a cable which comes directly out of the backplate, with no linkage.

Brake shoe set (pair);		
up to VIN LA935629 (1994)		
Horizontally mounted brakes shoes.		
4 speed	(1)	<b>STC2880</b>
5 speed	(1)	<b>STC2990</b>
VIN LA935629 (1994) on	(1)	<b>STC1525</b>
Vertically mounted brake shoes.		
Retaining kit - brake shoes	(1)	<b>ICW100050</b>
Vertical shoes.		
Adjuster - brake shoes;		
up to VIN LA935629 (1994)		
Horizontally mounted brakes shoes.		
4 speed (kit)	(1)	<b>RA1108</b>
5 speed	(1)	<b>STC244</b>
VIN LA935629 (1994) on	(1)	<b>STC1527</b>
Vertically mounted brake shoes.		
Adjuster service kit;		
for 37H4558	(1)	<b>8G7019L</b>
for STC244	(1)	<b>STC245</b>

### EXPANDER SERVICE KIT



Expander - brake shoes	(1)	<b>AEU2734</b>
Applicable only to horizontal shoes (up to VIN LA935629)		
Service kit - expander	(1)	<b>AEU2735</b>
Retaining kit - expander	(1)	<b>RA1109</b>
Screw - drum retaining	(2)	<b>SA108201L</b>
All models. M8 x 20.		

### Transfer Lever Knob

Gear knob - transfer 'box';		
standard (plastic)	(1)	<b>FTC3852</b>
aluminium	(1)	<b>STC60509</b>
50th Anniversary & Tomb Raider L.E.		
Switch - low ratio - Td5	(1)	<b>IGM100000</b>



## Front Propshaft

For price & availability of complete propshafts, please contact our sales department.

Universal joint - front propshaft;

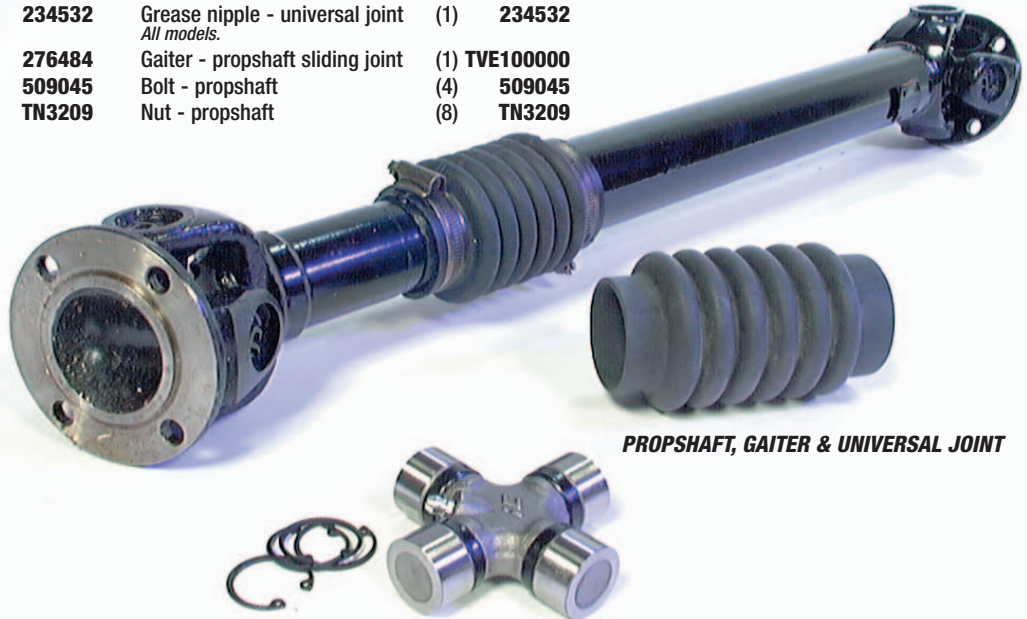
4 cyl		
up to VIN CA252578 (1986)	(2)	<b>RTC3346</b>
VIN CA252578 (1986) on	(2)	<b>RTC3458</b>
V8		
up to VIN CA254406 (1986)	(2)	<b>RTC3346</b>
VIN CA254407 (1986) on	(2)	<b>RTC3458</b>
Grease nipple - universal joint	(1)	<b>234532</b>
<i>All models.</i>		
Gaiter - propshaft sliding joint	(1)	<b>276484</b>
Bolt - propshaft	(4)	<b>509045</b>
Nut - propshaft	(8)	<b>TN3209</b>

## Rear Propshaft

For price & availability of complete propshafts, please contact our sales department.

Universal joint - rear propshaft;

4 cyl		
up to VIN CA252578 (1986)	(2)	<b>RTC3346</b>
VIN CA252578 (1986) on	(2)	<b>RTC3458</b>
V8		
up to VIN CA254406 (1986)	(2)	<b>RTC3346</b>
VIN CA254407 (1986) on	(2)	<b>RTC3458</b>
Grease nipple - universal joint	(1)	<b>234532</b>
<i>All models.</i>		
Gaiter - propshaft sliding joint	(1)	<b>TVE100000</b>
Bolt - propshaft	(4)	<b>509045</b>
Nut - propshaft	(8)	<b>TN3209</b>



**PROPSHAFT, GAITER & UNIVERSAL JOINT**





## Front Axle

### Axle assembly - front

Please enquire for price & availability of complete axle assemblies.

Filler/level plug	(1)	<b>608246</b>
Axle breather pipe - front;		
vehicles with rear drum brakes(1)		<b>FTC2175</b>
vehicles with rear disc brakes(1)		<b>FTC2177</b>
Banjo bolt - axle breather	(1)	<b>595478</b>
Sealing washer - banjo bolt	(1)	<b>232039</b>



## Differential - Front

There are two types of front axle differential, according to the number of splines on the halfshafts :

**10 spline**, fitted on vehicles up to VIN KA (1993)

**24 spline**, fitted from VIN LA (1994) onwards.

Final drive ratio of all models is 3.54:1

### Differential - front;

Part number suffixes:

New (N), Factory Recon (E), Aftermarket Recon (R).

Complete and ready to fit to axle.

10 spline	(1)	<b>FTC2750</b>
24 spline	(1)	<b>FTC5142</b>
Gasket* - differential	(1)	<b>7316</b>
<i>*Not used after VIN MA (1995). Use silicone sealant instead.</i>		
Silicone sealant	(1)	<b>RTC3254</b>
Oil seal - diff' pinion	(1)	<b>FRC8220</b>
Bearing - differential';		
pinion		
outer	(1)	<b>539707</b>
inner	(1)	<b>539706</b>
differential		
up to axle suffix B	(2)	<b>RTC2726</b>
axle suffix C on	(2)	<b>RTC3095</b>
Nut - pinion flange;		
castle	(1)	<b>3259</b>
nyloc	(1)	<b>NY116041L</b>
Split pin - pinion flange	(1)	<b>PS608101L</b>

## Halfshaft - Front

### Halfshaft

For price & availability of halfshafts, contact our sales department. Please have available relevant vehicle details, such as year, VIN no., axle number etc.

### Circlip - halfshaft to CV joint;

all axles except nos.10M to 17M(2)	<b>STC579</b>
axle nos. 10M to 17M	(2) <b>TDL000010</b>



**CHROME SWIVEL BALL & GASKETS**

**TO ORDER CALL 01522 568000**



## C.V. Joint

C.V. joints on Defenders incorporate the outer drive shaft as one single unit.

### C.V. joint;

up to the following axle nos:

90

22L27847 (rhd) &

23L12092 (lhd)

110/130

20L48865 (rhd) &

21L33355 (lhd)

(2) **AEU2522**

above axle nos up to VIN KA

(2) **RTC6862**

All models.

VIN LA930456 to on

(2) **TDJ000010**

### Spacer - C.V.joint;

for AEU2522 (see above)

(2) **FTC254**

for RTC6862 & TDJ000010

(2) **TYF000010**

### Circlip - C.V.joint

for AEU2522 (see above)

(2) **RTC4820**

for RTC6862 & STC3051

(2) **STC579**

for TDJ000010

(2) **TDL000010**

## UPPER & LOWER SWIVEL PINS



## Chrome Swivel Ball

### Chrome swivel ball;

axles: 20L, 21L, 22L & 23L (2) **FTC5105**

axles: 61L, 62L, 63L & 64L (2) **FRC7065**

Also 10M to 17M inclusive.

Gasket - chrome swivel (2) **FTC3646**

All models.

### Oil seal - chrome swivel;

internal (small)

axles 20L to 23L (2) **571718**

axles 61L to 64L (2) **FTC3276**

external (large) - 9mm thick (2) **FTC3401**

### Plate - oil seal retainer;

axles 20L to 23L (2) **FRC4142**

axles 61L to 64L (2) **571755**

Gaiter kit - chrome swivel (1) **RTC3826**

Includes axle set of leather gaiters, for protecting chrome swivels.



**SWIVEL GAITER KIT**

## Swivel Housing

Please enquire for price & availability of swivel housings.

### Swivel pin;

upper - all except axle nos.10M to 17M;

up to VIN KA930455 (1993) (2) **FRC3511**

VIN LA930456 (1994) on (2) **FTC2882**

axle nos.10M to 17M (swivel pin kit)

vehicles with ABS (2) **TAR100050**

non ABS vehicles (2) **TAR100040**

lower - all models (2) **FRC2894**

### Shim - upper swivel pin;

All vehicles except axle nos.10M to 17M.

0.003" (a/r) **FRC2883**

0.005" (a/r) **FRC2884**

0.01" (a/r) **FRC2885**

0.03" (a/r) **FRC2886**

### Gasket - lower swivel pin

(2) **FTC3647**

All models.

Thrust washer - upper swivel pin (2) **FRC2906**

Vehicles up to VIN KA930455 (1993) only.

Bearing - swivel pin (except axle nos.10m to 17m);

upper

up to VIN KA930455 (1993) (2) **FRC2916**

VIN LA930456 (1994) on (2) **606666**

lower - all models (2) **606666**

## Gear Oil

EP90 gear oil - 0.5 litre (a/r) **GGL190**

Swivel grease - "One Shot" (2) **STC3435**

375cc sachet - sufficient for one side.

## Stub Axle - Front

### Oil seal - stub axle;

up to VIN KA930455 (1993) (2) **FRC3099**

VIN LA930456 (1994) on (2) **FTC5268**

### Bearing - stub axle;

up to VIN KA930455 (1993) (2) **FRC4319**

VIN LA930456 (1994) on (2) **FTC861**

Gasket - stub axle (2) **FTC3648**

All models.

Locking plate - stub axle bolts (2) **FRC2310**

Thrust washer - stub axle (2) **FTC56**

VIN LA (1994) on.



## Hub Assembly - Front

Hub & wheelstud assembly;					
up to VIN KA930455 (1993)	(2)	<b>FRC6139</b>			
VIN LA930456 (1994) on	(2)	<b>FTC3154</b>			
Wheel stud;					
up to VIN KA930455 (1993)	(10)	<b>FRC6137</b>			
VIN LA930456 (1994) on	(10)	<b>FRC5926</b>			
Hub bearing - inner & outer	(4)	<b>RTC3429</b>			
All models.					
Oil seal - hub inner;					
90					
up to axle nos:					
22L06071B (RHD) &					
23L03666B (LHD)	(2)	<b>RTC3511</b>			
above axle nos. on	(2)	<b>FTC4785</b>			
110 & 130	(2)	<b>FTC4785</b>			

Wheel bearing kit;  
Comprises: 2 x wheel bearings, hub seal, lock washer & outer hub gasket. 2 kits req'd per axle.

up to VIN KA930455 (1993)					
90					
up to axle nos:					
22L06071B (RHD) &					
23L03666B (LHD)	(2)	<b>LL1086</b>			
above axle nos.on	(2)	<b>LL1087</b>			
110 & 130					
up to axle nos:					
20L70575C (RHD) &					
21L52060C (LHD)	(2)	<b>LL1088</b>			
above axle nos.on	(2)	<b>LL1087</b>			
VIN LA (1994) on - all models	(2)	<b>LL1089</b>			

Locknut - stub axle;					
all axles except 10m to 17M	(4)	<b>FRC8700</b>			
axle nos.10M to 17M	(4)	<b>RFD100000</b>			

Lockwasher - stub axle;					
up to VIN KA930455 (1993)	(2)	<b>217353</b>			
VIN LA930456 (1994) on	(2)	<b>FTC3179</b>			

Drive flange - all models;					
up to VIN KA930455 (1993)	(2)	<b>FRC5806</b>			
VIN LA930456 (1994) on	(2)	<b>RUC105200</b>			

Gasket - drive flange;					
up to VIN KA930455 (1993)	(2)	<b>FRC3988</b>			
VIN LA930456 (1994) on	(2)	<b>571752</b>			

Shim - halfshaft - all models;					
0.45mm	(A/R)	<b>FRC6782</b>			
0.60mm	(A/R)	<b>FRC6783</b>			
0.75mm	(A/R)	<b>FRC6784</b>			
0.90mm	(A/R)	<b>FRC6785</b>			
1.05mm	(A/R)	<b>FRC6786</b>			
1.20mm	(A/R)	<b>FRC6787</b>			
1.35mm	(A/R)	<b>FRC6788</b>			
1.50mm	(A/R)	<b>FRC6789</b>			
1.65mm	(A/R)	<b>FRC6790</b>			

Circlip - halfshaft - all models	(2)	<b>549473</b>			
Cap - drive flange;					
up to VIN KA930455 (1993)	(2)	<b>FRC4377</b>			
VIN LA930456 (1994) on	(2)	<b>FTC5414</b>			
With Land Rover logo.					

## Rear Axle

Axle assembly - rear					
Please enquire for price & availability of complete axle assemblies.					
Filler/level plug	(1)	<b>608246</b>			
Axle breather pipe - rear;					
vehicles with rear drum brakes(1)		<b>FTC2176</b>			
vehicles with rear disc brakes					
90	(1)	<b>FTC2179</b>			
110/130	(1)	<b>FTC3904</b>			
Banjo bolt - axle breather	(1)	<b>595478</b>			
Sealing washer - banjo bolt	(1)	<b>232039</b>			

## WHEEL BEARING KIT



## Differential - Rear

There are 2 types of rear axle fitted to the Land Rover:  
1. The conventional Rover axle, from which the differential is removed as a complete unit on the front of the axle.

2. The Salisbury axle, which has an access plate on the rear of the axle for differential removal.

Rover axles have 2 types of differential, as follows:

**2 pinion** (standard duty) or **4 pinion** (heavy duty), referring to the number of pinion gears in the differential itself.

Vehicles fitted with 2 pinion diff's have **10 spline** halfshafts up to VIN KA930455 (1993), & **24 spline** halfshafts from VIN LA930456 (1994) on.

Vehicles with 4 pinion diff's are all fitted with 24 spline halfshafts.

Differential - rear - Rover axles;

Part number suffixes:

New (N), Factory Recon (E), Aftermarket Recon (R).

Complete and ready to fit to axle.

2 pinion					
up to VIN KA930455 (1993)	(1)	<b>FTC2750</b>			
10 spline halfshafts.					
VIN LA930456 (1994) on	(1)	<b>FTC5142</b>			
24 spline halfshafts.					
4 pinion	(1)	<b>TBB100980</b>			

Differential - rear - Salisbury axles.

Salisbury differentials are not available separately. Please enquire for price & availability of complete axle assemblies.

Gasket\* - differential;  
\*Not used after VIN MA (1995). Use silicone sealant instead.

standard axle	(1)	<b>7316</b>			
Salisbury axle	(1)	<b>RTC1139</b>			
Silicone sealant	(1)	<b>RTC3254</b>			

Oil seal - diff' pinion;					
Rover axles					
up to VIN VA102732	(1)	<b>FRC8220</b>			
VIN VA102733 on	(1)	<b>FTC5258</b>			
Salisbury axles					
up to VIN WA159806	(1)	<b>AEU2515</b>			
VIN XA159807 on	(1)	<b>STC4401</b>			

Bearing - differential;					
Rover axle - all except 110/130 4 pinion					
pinion bearing					
outer	(1)	<b>539707</b>			
inner	(1)	<b>539706</b>			

differential bearing					
up to VIN KA930455 ('93)	(2)	<b>RTC2726</b>			
VIN LA930456 ('94) on	(2)	<b>RTC3095</b>			
Rover axle - 110/130 4 pinion					

pinion bearing					
outer	(1)	<b>539707</b>			
inner	(1)	<b>607180</b>			
differential bearing	(2)	<b>607187</b>			
Salisbury axle					
pinion bearing (outer)	(1)	<b>UKC978</b>			

Nut - pinion flange;					
standard axle					
castle	(1)	<b>3259</b>			
nyloc	(1)	<b>NY116041L</b>			
Salisbury axle	(1)	<b>90680545</b>			

Screw - pinion flange (where fitted)	(1)	<b>FS112301P</b>			
Split pin - pinion flange	(1)	<b>PS608101L</b>			
Gasket - pinion flange	(1)	<b>607183</b>			
Salisbury axles only.					

## Halfshaft - Rear

Halfshaft

For price & availability of halfshafts, contact our sales department. Please have available relevant vehicle details, such as year, VIN no., axle number etc.

Circlip - halfshaft	(2)	<b>549473</b>			
---------------------	-----	---------------	--	--	--

## Rear Hub & Stub Axle

Stub axle;					
up to VIN KA930455 (1993)					
90					
up to axle no.22S08283B	(2)	<b>FRC3132</b>			
axle no.22S08284B on	(2)	<b>FRC8540</b>			
110 & 130	(2)	<b>FRC8540</b>			
VIN LA930456 (1994) on					
90	(2)	<b>FTC3188</b>			
110/130					
38S & 39S axle nos	(2)	<b>FTC1740</b>			
all other axle nos	(2)	<b>FTC3188</b>			

Gasket - stub axle					
up to VIN KA930455 (1993)	(2)	<b>FTC3649</b>			
VIN LA930456 (1994) on - except ABS					
90	(2)	<b>FTC3648</b>			
110/130	(2)	<b>FTC3649</b>			
ABS models	(2)	<b>FTC3650</b>			
Oil seal - stub axle inner	(2)	<b>FTC5268</b>			
VIN LA (1994) on.					

Hub assembly - rear;					
Includes wheelstuds.					
up to VIN KA930455 (1993)					
90					
up to axle no.22S08283B	(2)	<b>FRC6141</b>			
axle no.22S08284B on	(2)	<b>FRC8555</b>			
110 & 130	(2)	<b>FRC8555</b>			
VIN LA930456 (1994) on	(2)	<b>RUB101740</b>			

Wheel stud					
up to VIN KA930455 (1993)	(10)	<b>FRC6137</b>			
VIN LA930456 (1994) on	(10)	<b>FRC5926</b>			
Hub bearing - all models	(2)	<b>RTC3429</b>			

Oil seal - hub inner;					
90					
up to axle no.22S08283B	(2)	<b>RTC3511</b>			
above axle no.on	(2)	<b>FTC4785</b>			
110 & 130	(2)	<b>FTC4785</b>			

Wheel bearing kit;					
Comprises: 2 x wheel bearings, seals, lock washer & outer hub gasket as necessary. 2 kits req'd per axle.					
up to VIN KA930455 (1993)					
90					

up to axle no.22S08283B	(2)	<b>LL1090</b>			
axle no.22S08284B on	(2)	<b>LL1091</b>			
110 & 130					
up to the following axle nos:					
21S10027C & 24S00521A(2)		<b>LL1092</b>			
above axle nos. on	(2)	<b>LL1093</b>			
VIN LA (1994) on - all models	(2)	<b>LL1094</b>			

## Gear Oil

EP90 gear oil - 0.5 litre	(a/r)	<b>GGL190</b>			
---------------------------	-------	---------------	--	--	--

**TO ORDER CALL 01522 568000**



**POLYURETHANE BUSHES**

Polyurethane bushes are a popular alternative to the standard rubber items due to their benefits: superior performance, increased life expectancy (up to 5 times as long as rubber), resistance to oil and grease contamination and ease of fitting. Polyurethane bushes are available as an alternative to most individual suspension bushes and are listed, where available, after the standard item. Complete kits are also available in the **Suspension Packages** section.

**NUT & BOLT KITS**

Most of the nuts used in the suspension components of your Land Rover are of the "locking" type, with a nylon insert. These nuts should be renewed each time they are undone. At the same time, it is good practice to replace any bolts that show signs of wear or corrosion. To simplify this job, we offer a comprehensive suspension **nut & bolt kit**, which contains all of the nuts and bolts required. Please see our **Suspension Packages** section.



**STANDARD & POLY SHOCK ABSORBER BUSHES**

**Shock Absorber - Front Standard**

*For Uprated Shock Absorbers/Kits, refer to Suspension Packages.*

Shock absorber - front;  
Includes washers, rubber bushes & nuts.

- 90
  - up to WA159806 (2) **STC3766**
  - VIN XA159807 on (2) **RSC100040**
- 110 & 130
  - up to VIN WA159806 (1998) (2) **STC3769**
  - VIN XA159807 (1999) on (2) **RSC100050**

Bush - shock absorber - all models;  
Top & bottom.

- standard rubber (8) **552818**
- polyurethane (8) **552818PY**

Bush kit - shock absorber - front & rear;  
All models. Includes 12 bushes in total.

- standard rubber (1) **LL1059**
- polyurethane (1) **LL1095PY**

Washer - shock absorber - all models;

- outer (8) **500746**
- inner (8) **NRC4365**

Nut - shock absorber - all models;  
Upper & lower.

- for RTC4635 & RTC4637 (4) **NY608041**  
1/2" UNF
- for all other shock absorbers (4) **NTC4571**  
M12.



**Suspension Turret -Front**

Turret - shock absorber;  
All models.

- standard (2) **NRC6372**
- uprated heavy duty galvanised steel tube construction. Available as single or twin shock mounts twin mounts also available for the rear.
  - single shock mount (2) **NRC6372UR**
  - twin shock mount (2) **NRC6372URT**
- Retaining ring - turret (2) **572087**
- Locknut - retaining ring (8) **GHF201**
- Spring washer - locknut (8) **GHF332**



**UPRATED SUSPENSION TURRETS**



**POLY ANTI ROLL BAR BUSH KIT**

**Road Spring - Front Standard**

*For Uprated Springs/Kits, refer to Suspension Packages.*

Road spring;

- 90
  - driver's side (1) **NRC9446**
  - passenger's side (1) **NRC9447**
- 110
  - normal duty suspension
    - driver's side (1) **NRC8044**
    - passenger's side (1) **NRC8045**
  - heavy duty suspension
    - driver's side (1) **NRC9448**
    - passenger's side (1) **NRC9449**
- 130
  - driver's side (1) **NRC9448**
  - passenger's side (1) **NRC9449**
- Spring seat lower (2) **NRC9700**
- Screw - spring seat (2) **SH110251**



**ANTI ROLL BAR BUSH & LINK**

**Anti-roll Bar - Front**

*Note: anti-roll bar components described in this section are for vehicles with factory-fitted anti-roll bars only. Anti-roll bar kits for vehicles without factory-fitted items are listed in Suspension Packages.*

- Anti-roll bar (1) **NTC6837**
- Bush - anti-roll bar mounting;
  - standard (2) **NTC6828**
  - polyurethane (2) **NTC6828PY**
- Link/balljoint assembly (2) **NTC1888**
- Bush - link assembly;
  - standard (4) **552819**
  - polyurethane (4) **552819PY**
- Bush kit - polyurethane (1) **RD1062**  
Includes mounting & link bushes (total 6).
- Bolt - link to anti-roll bar (2) **NTC8202**

## Radius Arm - Front

Radius arm - front;								
up to VIN KA930455 (1993)	(2)	<b>NTC2705</b>						
VIN LA930456 (1994) on	(2)	<b>NTC7331</b>						
Nut - radius arm	(2)	<b>NY120041</b>						
Bush - radius arm to axle (all models); <i>available in either standard rubber or polyurethane.</i>								
standard	(4)	<b>NTC6781</b>						
polyurethane	(4)	<b>NTC6781PY</b>						
Bolt - radius arm to axle;								
up to VIN KA930455 (1993) <i>5/8 UNF x 31/2".</i>	(2)	<b>BH610281L</b>						
VIN LA930456 (1994) on <i>M16 x 90.</i>	(2)	<b>BH116187</b>						
Nut - radius arm bolt;								
up to VIN KA930455 (1993) <i>For 5/8 UNF bolt.</i>	(2)	<b>183563</b>						
VIN LA930456 (1994) on <i>For M16 bolt.</i>	(2)	<b>NV116047</b>						
Bush - radius arm to chassis;								
up to VIN VA130784								
standard	(4)	<b>NRC4514</b>						
polyurethane	(4)	<b>NRC4514PY</b>						
VIN VA130785 on								
standard	(4)	<b>ANR6971</b>						
polyurethane	(4)	<b>ANR6971PY</b>						

## Bump Stop Rubber

Bump stop rubber - front	(2)	<b>ANR4188</b>						
<i>All models.</i>								



## Panhard Rod

Panhard rod	(1)	<b>RBI100000</b>						
Bush - panhard rod - all models								
standard	(2)	<b>ANR3410</b>						
polyurethane	(2)	<b>ANR3410PY</b>						
Bolt - panhard rod	(2)	<b>BH114167</b>						
Nut - panhard rod bolts	(2)	<b>NV114047</b>						



DESCRIPTION QTY REQ. PART No.



**POLYURETHANE BUSHES**

Polyurethane bushes are a popular alternative to the standard rubber items due to their benefits: superior performance, increased life expectancy (up to 5 times as long as rubber), resistance to oil and grease contamination and ease of fitting. Polyurethane bushes are available as an alternative to most individual suspension bushes and are listed, where available, after the standard item. Complete kits are also available in the **Suspension Packages** section.

**NUT & BOLT KITS**

Most of the nuts used in the suspension components of your Land Rover are of the "locking" type, with a nylon insert. These nuts should be renewed each time they are undone. At the same time, it is good practice to replace any bolts that show signs of wear or corrosion. To simplify this job, we offer a comprehensive suspension **nut & bolt kit**, which contains all of the nuts and bolts required. Please see our **Suspension Packages** section.



**REAR RADIUS ARM & BUSHES**



DESCRIPTION QTY REQ. PART No.



**Shock Absorber - Rear Standard**

*For Upgraded Shock Absorbers/Kits, refer to Suspension Packages.*

- Shock absorber - rear;
  - 90
    - up to VIN WA159806 (1998) (2) **STC3767**
    - VIN XA159807 (1999) on (2) **RPM100070**
  - 110/130
    - self levelling suspension
      - Up to VIN WA159806 (1998)(2) **STC3770**
      - VIN XA159807 (1999) on (2) **RPM100080**
    - normal duty suspension
      - up to VIN WA159806 (1998)(2) **STC3771**
      - VIN XA159807 (1999) on (2) **RPM100080**
    - heavy duty suspension
      - up to VIN WA159806 (1998)(2) **STC3772**
      - VIN XA159807 (1999) on (2) **RPM100080**

- Bush - shock absorber;
  - upper
    - standard (2) **NRC5593**
    - polyurethane (2) **NRC5593PY**
  - lower
    - standard (2) **552818**
    - polyurethane (2) **552818PY**
- Bush kit - shock absorber - front & rear;
 

*All models. Includes 12 bushes in total.*

  - standard rubber (1) **LL1059**
  - polyurethane (1) **LL1095PY**
- Washer - mounting bush;
  - upper
    - outer (2) **NRC5603**
    - inner (2) **NRC5602**
  - lower
    - outer (2) **500746**
    - inner (2) **NRC6235**
- Nut - shock absorber (2) **NTC4571**

DESCRIPTION QTY REQ. PART No.

**Twin Rear Shock Mounting**

Twin rear shock mounting (2) **LL1230**  
 Twin top shock mounts which bolt to the chassis and lower mounts which weld to the axle case.  
 See also '**Suspension Turret - Front**' for front twin shock mountings.

**Road Spring - Rear Standard**

*For Upgraded Springs/Kits, refer to Suspension Packages.*

- Road spring - rear;
  - 90 - normal duty suspension
    - driver's side (1) **NRC9448**
    - passenger's side (1) **NRC9449**
  - 90 - heavy duty suspension
    - driver's side (1) **RKB101230**
    - passenger's side (1) **RKB101240**
  - 110 - up to VIN WA159806
    - self-levelling suspension
      - driver's side (1) **NRC6388**
      - passenger's side (1) **NRC7000**
    - normal duty suspension
      - driver's side (1) **NRC6389**
      - passenger's side (1) **NRC6904**
  - 110 - VIN XA159807 on (2) **RKB101111**
  - 130
    - up to VIN WA159806
      - driver's side (1) **NRC6389**
      - passenger's side (1) **NRC6904**
    - VIN XA159807 on (2) **RKB101111**
  - Helper spring - 110/130 H/duty (2) **RRC3266**
  - Spring seat - lower;
    - 90
      - up to VIN LA (1994) (2) **NRC9700**
      - VIN MA (1995) on (2) **ANR3578**
    - 110/130 (2) **NRC4317**
  - Retainer - spring;
    - 90 (2) **NTC6106**
    - 110/130 (2) **NRC4318**
  - Isolator/spring seat - upper (2) **ANR3060**  
*All models from VIN XA on.*

**Radius Arm - Rear**

- Radius arm (bottom link) (2) **NTC8328**  
*Note: if replacing earlier (up to VIN HA470427 - 1991) radius arms with these later items, they must be fitted as a pair.*
- Mounting rubber - radius arm to chassis;  
*For polyurethane kits, refer to Suspension Packages.*
  - up to VIN JA910736 (1992)
    - standard (pair) (1) **STC618**
    - polyurethane (each) (2) **STC618PY**
  - VIN JA910737 (1992) on
    - standard (pair) (1) **NTC9027**
    - polyurethane (each) (2) **NTC9027PY**
- Washer - radius arm to chassis (2) **WA120001**
- Nut - radius arm to chassis (M20)(2) **NY120041**
- Bush - radius arm to axle;
  - standard (2) **NTC1772**
  - polyurethane (2) **NTC1772PY**
- Bolt - radius arm to axle (2) **BH610321**
- Nut - radius arm to axle (2) **138563**

**Bump Stop Rubber**

- Bump stop rubber - rear (2) **ANR4189**  
*All models.*



## Balljoint - Upper Link (A-Frame)

Please enquire for price & availability of complete upper link assembly.

Balljoint - A-frame;		
standard	(1)	<b>ANR1799</b>
<i>Complete with rubber boot, nut &amp; split pin.</i>		
heavy duty	(1)	<b>ANR1799UR</b>
<i>Adjustable, to remove play as it wears.</i>		
<i>Supplied less rubber boot (see below).</i>		
Nut (castellated) - balljoint	(1)	<b>NTC4618</b>
Split pin	(1)	<b>PS106321</b>
Rubber boot - balljoint	(1)	<b>572338</b>
Bush - top link;		
standard	(2)	<b>NTC1773</b>
polyurethane (pair)	(1)	<b>NTC1773PY</b>
Bolt - top link to chassis	(2)	<b>BH612321</b>
Nut - top link	(2)	<b>NY612041</b>

## Anti-roll Bar - Rear

Note: anti-roll bar components described in this section are for vehicles with factory-fitted anti-roll bars only. Anti-roll bar kits for vehicles without factory-fitted items are listed in *Suspension Packages*.

Anti-roll bar - rear - all models	(1)	<b>ANR4344</b>
Bush - anti-roll bar mounting;		
90		
except V8 EFi & TD5		
standard	(2)	<b>NTC7394</b>
polyurethane	(2)	<b>NTC7394PY</b>
V8 EFi & TD5		
standard	(2)	<b>EGP1889</b>
polyurethane	(2)	<b>EGP1889PY</b>
110/130		
standard	(2)	<b>NRC5674</b>
polyurethane	(2)	<b>NRC5674PY</b>
Link/balljoint assembly	(2)	<b>NTC1888</b>
Bush - link assembly;		
standard	(4)	<b>552819</b>
polyurethane	(4)	<b>552819PY</b>
Bush kit - polyurethane;		
<i>Includes mounting &amp; link bushes (total 6).</i>		
90		
except V8 EFi & TD5	(1)	<b>RD1063</b>
V8 EFi & TD5	(1)	<b>LL1096</b>
110/130	(1)	<b>LL1097</b>
Bolt - link to anti-roll bar	(2)	<b>NTC8202</b>



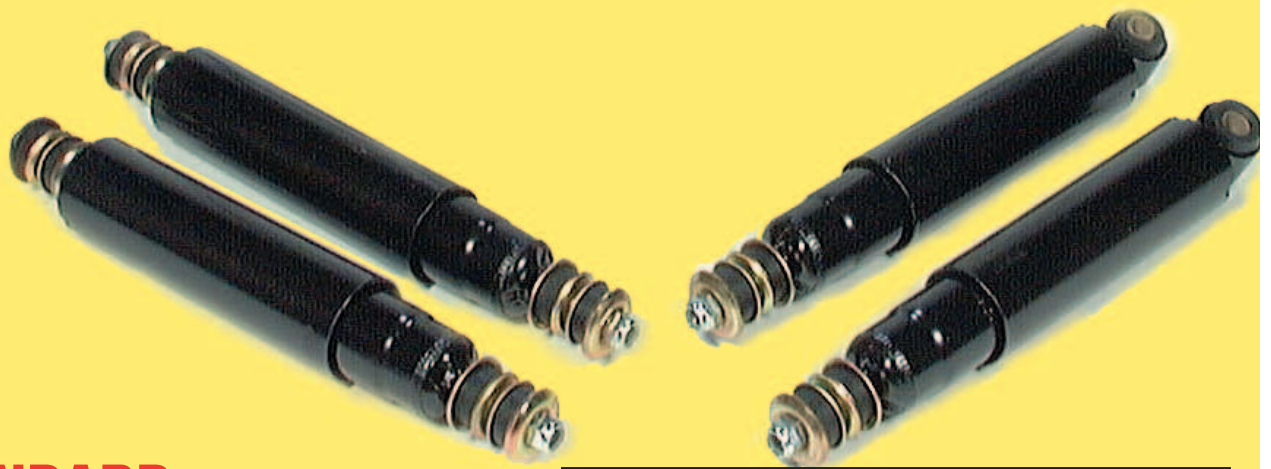
**SELF-LEVELLING UNIT BALL JOINT**

## Self-levelling Unit - 110

Self-levelling unit	(1)	<b>NRC7050</b>
<i>Fitted to certain 110 models only.</i>		
Balljoint - self-levelling unit	(2)	<b>575882</b>
<i>Upper &amp; lower.</i>		
Gaiter - balljoint;		
upper	(1)	<b>NRC5707</b>
lower	(1)	<b>NRC6561</b>
Seal - lower balljoint	(1)	<b>NRC8007</b>

### UPPER LINK BALLJOINT, BOOT & POLYURETHANE BUSHES





## STANDARD SHOCK ABSORBER KITS

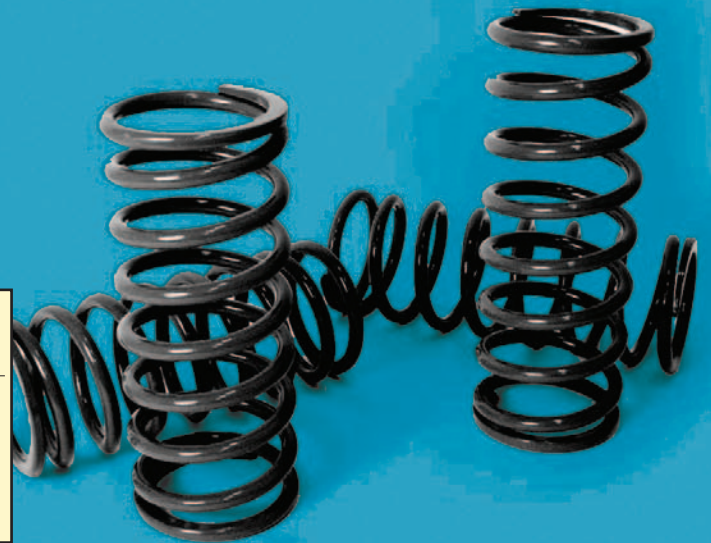
Kits include 2 front and 2 rear standard shock absorbers.

**STANDARD SHOCK ABSORBER KITS**

	90	110/130		
YEAR/CHASSIS NUMBER		NORMAL DUTY	HEAVY DUTY	SELF LEVELLING
Up to VIN WA159806 (1998)	LL1295	LL1297	LL1298	LL1299
VIN XA159807 (1999) on	LL1296	LL1300		

## STANDARD SPRING KITS

Kits include 2 front and 2 rear standard road springs.



**STANDARD ROAD SPRING KITS**

	90	110		130
YEAR/CHASSIS NUMBER		NORMAL DUTY	SELF LEVELLING	
Up to VIN WA159806 (1998)	LL1301	LL1303	LL1305	LL1306
VIN XA159807 (1999) on	LL1302	LL1304	LL1304	LL1307

## STANDARD SHOCK ABSORBER & SPRING KITS

Kits include 2 front and 2 rear standard shock absorbers and 4 standard road springs.



**STANDARD SHOCK ABSORBER & SPRING KITS**

	90	110		130
YEAR/CHASSIS NUMBER		NORMAL DUTY	SELF LEVELLING	
Up to VIN WA159806 (1998)	LL1098	LL1100	LL1102	LL1104
VIN XA159807 (1999) on	LL1099	LL1101	LL1103	LL1105

# SUSPENSION BUSH & BOLT KITS

## STANDARD & POLYURETHANE

### STANDARD BUSH KIT



### STANDARD BUSH KITS

Direct replacement of original bushes. Kits contain complete vehicle sets of standard suspension bushes, including: Front: radius arm-to-axle, radius arm-to-chassis, panhard rod. Rear: top link-to-chassis, bottom link-to-axle, bottom link-to-chassis. Also included: top and bottom shock absorber bushes, front and rear, plus anti-roll bar bushes where appropriate.

STANDARD BUSH KIT

RA1173

### BOLT KIT



### BOLT KITS

Contain all the nuts & bolts necessary when renewing the suspension bushes.

BOLT KIT

RA1177



POLY BUSH KIT

### POLYBUSH KITS

Original 'Polybush' suspension bushes are available in two types, Classic (red) and Comfort (blue), both equally suitable for Land Rovers. Classic are the original polyurethane bushes, giving a firmer ride and more positive handling; Comfort bushes are designed to combine the smoothness and comfort of the factory-fitted rubber bushes with the long life and easy-fit of the Polybush Classic.

POLYBUSH KIT

Classic  
Comfort

RA1274

RA1275

### POLYURETHANE BUSH KITS (ALTERNATIVE)

These high quality bushes are made from 80 shore hardness polyurethane (black) and offer a performance somewhere between the 'Polybush' Classic (red) and Comfort (blue).

POLYURETHANE BUSH KIT

RA1274AP

Both polyurethane kits are supplied as vehicle sets (excluding shock absorber & A-frame bushes - see 'Supplementary Polyurethane Bush Kits'), they are simple to fit replacements which will outperform and outlast the original rubber bushes many times over. Polyurethane bushes are also available singularly (black) - refer to individual listings on appropriate page(s).

Note: Although polyurethane suspension bushes can be DIY fitted by hand, requiring no special tools, a hydraulic press is needed to remove the old rubber bushes.

### SUPPLEMENTARY BUSH KITS

Includes bushes not supplied in the above kits (i.e. shock absorbers, 'A' frame & steering damper bushes).

SUPPLEMENTARY BUSH KIT

90 - all models excluding TD5 & 50th Anniversary

90 - TD5 & 50th Anniversary only

110 & 130 - all models

LL1308

LL1309

LL1310





## Up-rated Shock Absorbers & Springs

The standard shock absorbers and springs fitted to Land Rovers are a cost-effective compromise between ride comfort, handling, load carrying and towing ability.

We recommend fitting up-rated suspension components if any of the following applies to you:

1. You wish to improve handling.
2. You regularly tow large trailers or carry heavy loads for extended periods.
3. You have improved the performance of your Land Rover.
4. You find the vehicle floats and wallows excessively.
5. You regularly use the vehicle off-road.

We stock up-rated shock absorbers by Bilstein, De Carbon, Koni and Gaz. Bilstein and De Carbon are heavy duty, non-adjustable gas shock absorbers offering vastly superior damping abilities and extended life compared to original equipment.

Koni shock absorbers offer similar benefits, plus they are adjustable for damping rate whilst fitted to the vehicle.

Gaz shock absorbers are also adjustable on car with 36 fine-tune settings, zinc-plated bodies, individually tested and supplied with a 3-year warranty (British made).

We recommend changing the vehicle's springs at the same time. You can fit up-rated shock absorbers with standard springs (see page 53 for standard spring kits) or you can fit up-rated springs of raised ride height (front 45mm rear 40mm higher), which are recommended for heavy towing and extra ground clearance when off-roading.

Our kits show just about every combination to suit your requirements - and they save you money too!



## UP-ATED SHOCK ABSORBER KITS ALL MODELS

### de Carbon

**HEAVY DUTY GAS  
NON-ADJUSTABLE**

Up-rated Shock Absorbers	FRONT (pair)	REAR (pair)	CAR set (4)
<b>De Carbon</b> (all models)	<b>RA1345D</b>	<b>RA1346D</b>	<b>RA1344D</b>

### BILSTEIN

**HEAVY DUTY GAS  
NON-ADJUSTABLE**

Up-rated Shock Absorbers	FRONT (pair)	REAR (pair)	CAR set (4)
<b>Bilstein</b> (all models) up to VIN WA ('98) VIN XA ('99) on	<b>RA1345B RSC100040B</b>	<b>RA1346B RPM1000070B</b>	<b>RA1344B LL1112</b>



**ADJUSTABLE  
OIL-FILLED**

Up-rated Shock Absorbers	FRONT (pair)	REAR (pair)	CAR set (4)
<b>Koni</b> (all models) to VIN WA ('98) VIN XA ('99) on	<b>RA1345K RSC100040K</b>	<b>STC3767K RPM100070K</b>	<b>LL1110 LL1111</b>



**FULLY ADJUSTABLE - 36 SETTINGS**

Up-rated Shock Absorbers	FRONT (pair)	REAR (pair)	CAR set (4)
<b>Gaz</b> (all models)	<b>RA1345G</b>	<b>RA1346G</b>	<b>RA1344G</b>

# UPDATED SHOCK ABSORBER & SPRING KITS *ALL MODELS*

SUSPENSION PACKAGES - Updated



## de Carbon

### De Carbon updated Shock Absorbers & updated Springs

**90** - with Raised Ride Height Springs  
Front: 255lb, raised 45mm. Rear: 295lb, raised 40mm.

**110/130** - with Raised Ride Height Springs  
NB: Not suitable for vehicles with self-levelling suspension.  
Front: 255lb, raised 45mm. Rear: 510lb, raised 40mm.

CAR SET (4)  
All models

LL1113D

LL1114D



## BILSTEIN

### Bilstein updated Shock Absorbers & updated Springs

**90** - with Raised Ride Height Springs  
Front: 255lb, raised 45mm. Rear: 295lb, raised 40mm.

**110/130** - with Raised Ride Height Springs  
NB: Not suitable for vehicles with self-levelling suspension.  
Front: 255lb, raised 45mm. Rear: 510lb, raised 40mm.

CAR SET (4)  
To VIN WA(\*98) VIN XA(\*99) on

LL1113B-E LL1113B-L

LL1114B-E LL1114B-L



### Koni updated Shock Absorbers & updated Springs

**90** - with Raised Ride Height Springs  
Front: 255lb, raised 45mm. Rear: 295lb, raised 40mm.

**110/130** - with Raised Ride Height Springs  
NB: Not suitable for vehicles with self-levelling suspension.  
Front: 255lb, raised 45mm. Rear: 510lb, raised 40mm.

CAR SET (4)  
To VIN WA(\*98) VIN XA(\*99) on

LL1113K-E LL1113K-L

LL1114K-E LL1114K-L



### Gaz updated Shock Absorbers & updated Springs

**90** - with Raised Ride Height Springs  
Front: 255lb, raised 45mm. Rear: 295lb, raised 40mm.

**110/130** - with Raised Ride Height Springs  
NB: Not suitable for vehicles with self-levelling suspension.  
Front: 255lb, raised 45mm. Rear: 510lb, raised 40mm.

CAR SET (4)  
All models

LL1113GAZ

LL1114GAZ

## UPDATED SPRING KIT



### Updated Springs Raised Ride Height

**90**  
Front: rate 255lb, raised 45mm.  
Rear: rate 295lb, raised 40mm.

**110/130** (Not self-levelling suspension)  
Front: rate 255lb, raised 45mm.  
Rear: rate 295lb, raised 40mm.

	FRONT (pair)	REAR (pair)	CAR set (4)
<b>90</b>	LL1106	RA1351R	LL1108
<b>110/130</b>	LL1106	LL1107	LL1109

## UPDATED STEERING DAMPER



## BILSTEIN

Used on its own or in conjunction with updated suspension and bush kits, updated steering dampers improve the 'feel' and accuracy of the steering.

Updated steering damper -Bilstein

RTC4472UR

# INTRODUCTION

We offer a superb range of Genuine Land Rover alloy wheels to enhance and upgrade your Defender. Made from M25 alloy, they are X-ray checked to ensure safety and optimum performance.

The alloy wheels shown here are designed specifically for Land Rover vehicles, ensuring peace of mind in all situations.

You will find that our combined wheel/tyre packages offer great value for money and convenience. Special low-cost carriage also applies for wheel/tyre sets.

Please note, before ordering alloys for your vehicle:

there is only a limited range of alloys suitable for Defenders up to VIN KA930455 (1993), due to the design of the hubs up to this point. For further information regarding the suitability of alloys for your vehicle, please contact our sales department.

# ALLOY WHEEL & TYRE PACKAGES

*Note: Wheels are also available less tyres if required.*

## SPORTS



**'Sports'**  
Land Rover Alloy Wheel (5 spoke) & Tyre Silver, less centre & nuts (7Jx16)  
Set of 4 wheels fitted with a choice of tyre sizes.

205 R 16 tyres	<b>LL1283 205</b>
235/85 R 16 tyres	<b>LL1283 235</b>
265/75 R 16 tyres	<b>LL1283 265</b>

## FREESTYLE



**'Freestyle'**  
Land Rover Alloy Wheel (5 spoke) & Tyre Silver sparkle, less centre & nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.

205 R 16 tyres	<b>LL1284 205</b>
235/85 R 16 tyres	<b>LL1284 235</b>
265/75 R 16 tyres	<b>LL1284 265</b>

## STYLED



**'Styled'**  
Land Rover Alloy Wheel (5 spoke) & Tyre Silver, less centre & nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.

205 R 16 tyres	<b>LL1285 205</b>
235/85 R 16 tyres	<b>LL1285 235</b>
265/75 R 16 tyres	<b>LL1285 265</b>

## CYCLONE



**'Cyclone'**  
Land Rover Alloy Wheel (5 spoke) Silver, less centre & nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.

205 R 16 tyres	<b>LL1286 205</b>
235/85 R 16 tyres	<b>LL1286 235</b>
265/75 R 16 tyres	<b>LL1286 265</b>



# TYRES

Original size tyres on 90/110 and Defender are 7.50 x 16 and 205R16, with 235/85 R 16 or 265/75 R 16 being fitted to vehicles with alloy wheels.

Tyre choice depends on the vehicle's use, with various tyre widths and tread patterns available.

When changing wheel and/or tyres on your Land Rover, bear in mind that the rolling radius (or the overall circumference of the tyre) may be slightly different from one size to another and that the accuracy of the speedo' may therefore be compromised.

We can offer various makes of tyre depending upon availability. Please refer to Price Guide or enquire.

### Tyre size

7.50 R16 (Radial)	
Goodyear Wrangler	<b>750 R16GW</b>
Pirelli Scorpion	<b>750 R16PS</b>
Bridgestone	<b>750 R16B</b>
205 R16	
Goodyear Wrangler	<b>205 R16GW</b>
Pirelli Scorpion	<b>205 R16PS</b>
235/85 R16	
All terrain (70% road, 30% mud)	
Pirelli A/T	<b>235-85 R16PA</b>
BF Goodrich A/T	<b>235-85 R66GA</b>
Mud terrain (70% mud, 30% road)	
Pirelli M/T	<b>235-85 R16PM</b>
BF Goodrich M/T	<b>235-85 R66BFGM</b>
265/75 R16	
All terrain (70% road, 30% mud)	
Pirelli A/T	<b>265-75 R16PA</b>
BF Goodrich A/T	<b>265-75 R16GA</b>
Mud terrain (70% mud, 30% road)	
Pirelli M/T	<b>265-75 R16PM</b>
BF Goodrich M/T	<b>265-75 R16BFGM</b>

# ALLOY WHEEL & TYRE PACKAGES

*Note: Wheels are also available less tyres if required.*

## CASTOR



**'Castor'**  
Land Rover Alloy Wheel (5 spoke) & Tyre Silver sparkle, less centre & nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.  
205 R 16 tyres **LL1287 205**  
235/85 R 16 tyres **LL1287 235**  
265/75 R 16 tyres **LL1287 265**

## DEEP DISH



**'Deep Dish'**  
Land Rover Alloy Wheel (5 spoke) & Tyre Silver sparkle, less centre & nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.  
205 R 16 tyres **LL1288 205**  
235/85 R 16 tyres **LL1288 235**  
265/75 R 16 tyres **LL1288 265**



## Wheel Nuts, Centres & Studs - for Alloys

Wheel nut - standard - plain;  
each **NRC7415**  
set of 20 **NRC7415K**  
Wheel nut - standard - with stainless steel cap;  
each **ANR2763MMM**  
set of 20 **ANR2763MMM**  
Wheel nuts - locking;  
with 205x16 tyres  
set of 5 **STC8843AA**  
set of 5 + 16 **STC8843AAK**  
*Standard plain nuts*  
set of 5 + 16 **STC8843AAKS**  
*Standard nuts with s/s cap.*  
with 235/265x16 tyres  
set of 5 **STC7623**  
Wheel centre cap (with logo)  
Quicksilver **ANR2391MUE**  
Silver Sparkle **ANR2391MNH**  
Pewter **ANR2391LAL**  
Westminster (dark grey) **ANR2391LUQ**  
Wheel stud;  
up to VIN KA930455 (1993) (20) **FRC6137**  
VIN LA930456 (1994) on (20) **FRC5926**

## DRAGON



**'Dragon'**  
Aftermarket Alloy Wheel (6 spoke) & Tyre Silver, includes centre & nuts (7.5Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.  
205 R 16 tyres **LL1289 205**  
235/85 R 16 tyres **LL1289 235**  
265/75 R 16 tyres **LL1289 265**



# STEEL WHEEL & TYRE PACKAGES

*Note: Wheels are also available less tyres if required.*

## ORIGINAL STEEL



**'Original Steel'**  
Land Rover Steel Wheel & Tyre Grey, less nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.  
7.50 R16 tyres **LL1290 7.50**  
205 R 16 tyres **LL1290 205**  
235/85 R 16 tyres **LL1290 235**  
265/75 R 16 tyres **LL1290 265**

## MODULAR STEEL



**'Modular Steel'**  
Aftermarket Steel Wheel & Tyre Grey, less nuts (7Jx16).  
Set of 4 wheels fitted with a choice of tyre sizes.  
7.50 R16 tyres **LL1291 7.50**  
205 R 16 tyres **LL1291 205**  
235/85 R 16 tyres **LL1291 235**  
265/75 R 16 tyres **LL1291 265**

## Wheel Nuts & Studs

Wheel Nuts (steel wheels)  
standard - each **NTC7396**  
standard - set of 20 **NTC7396K**  
locking - set of 5 **RTC9535**  
locking - set of 5 +  
15 standard nuts **RTC9535K**  
Wheel Stud (if required)  
for Steel wheels (each) (20) **576841**

# 18" WHEELS FOR YOUR LAND ROVER?

**There are two options available:**

We can offer an 8 x 18" alloy wheel and tyre package which is designed to fit the Land Rover Defender hub (also Classic Range Rover and Series 1 Discovery) without the need for hub adaptors: the "Storm II" alloy wheel (see lower right).

Designed to fit all models with rear disc brakes, these 18" wheels can be supplied in sets of 4, complete with 265/70 x 18 tyres (the same diameter as our other wheel & tyre packages, so the vehicle's gearing is not altered). The wheel kits include new centre caps and wheel nuts.

Alternatively, if you would like to fit any of the genuine Land Rover 18" alloys from the P38 Range Rover or Series 2 Discovery, use our hub PCD adaptor kit shown below.

## 18" WHEEL ADAPTOR KIT

Easily fitted by bolting to existing hubs using existing alloy wheel nuts (rear disc models only). A further set of Defender alloy wheel nuts is required to fit the wheels to the adaptors (see previous page).

It should be noted that the wheels will 'fill the arches' flush with the bodywork.



**Wheel adapter kit (1) RA1389**  
Set of 4 adaptors to convert the Defender wheelstud pattern to accept the alloy wheels from P38 Range Rover and Discovery 2. Defenders with rear discs only. Please refer to previous page for additional alloy wheel nuts required when fitting adaptors.



## Wheel Centres - Land Rover 18" wheels

Centres (Genuine Land Rover 18" wheels only).

- wheel centre cap (with logo) - 18" wheel grey (with logo) - each **ANR3522MNH**
- green (Land Rover badge) - each **RRJ100140MNH**

**TO ORDER CALL 01522 568000**

## GENUINE 18" ALLOY WHEEL & TYRE PACKAGES

We offer a superb range of genuine 18" alloy wheels to enhance and upgrade your Defender (disc-brakes-all-round models only) - see hub adaptors, left.

*Note: Wheels are also available less tyres if required.*

### HURRICANE



**'Hurricane'**

Land Rover alloy wheel (10-spoke) & tyre  
Silver sparkle, less centre & nuts (8J x 18).

- wheel & tyre (each) **RRC111130MNHHT**
- wheel & tyre set (4) **RRC111130MNHKT**

### MONDIAL



**'Mondial'**

Land Rover alloy wheel (5-spoke) & tyre  
Silver sparkle, less centre & nuts (8J x 18).

- wheel & tyre (each) **RRC115410MNHHT**
- wheel & tyre set (4) **RRC115410MNHKT**

### TRIPLE SPORT



**'Triple Sport'**

Land Rover alloy wheel (6-spoke) & tyre  
Silver, less centre & nuts (8J x 18).

- wheel & tyre (each) **STC8516T**
- wheel & tyre set (4) **STC8516KT**

### COMET



**'Comet'**

Land Rover alloy wheel (6-spoke) & tyre  
Silver, less centre & nuts (8J x 18).

- wheel & tyre (each) **RRC000930MCMHT**
- wheel & tyre set (4) **RRC000930MCMKT**

## STORM II 18" ALLOY WHEEL & WHEEL-TYRE PACKAGES

*For all Defenders with rear disc brakes.*

### STORM II - No Hub Adaptor needed!



**'Storm II'**

Alloy Wheel only (each) **LL1292**

Aftermarket alloy wheel (10 spoke), with Defender PCD (rear disc models only). Silver sparkle, less centre & nuts (8J x 18). For use with 265/70 R18 tyres.

- Wheel nut only (20) **NRC7415**
- Wheel Centre only (4) **4NR2391MNH**

**'Storm II'**

Alloy Wheel & Tyre  
Aftermarket alloy wheel (10 spoke), with Defender PCD (rear disc models only). Silver sparkle, includes centre & nuts (8J x 18). Fitted with quality 265/70 R18 tyre and balanced.

- wheel & tyre (each) **LL1293**
- wheel & tyre set (4) **LL1293K**



## Mudflaps

### Mudflaps;

#### front - all models

rh (1) **CAS000180PMA**

lh (1) **CAS000190PMA**

pair - mudflaps only (1) **RTC4685**

kit - mudflaps plus fittings (1) **RTC9479**

#### rear - 90

##### up to VIN FA414686

rh (1) **MUC2344**

lh (1) **MUC3990**

##### from VIN FA414687 except Td5 & V8 efi

rh (1) **CAT000200PMA**

lh (1) **CAT000190PMA**

##### Td5 & V8 efi

rh (1) **CAT000200PMA**

lh (1) **CAT000210PMA**

rear - 110/130 (pair) (1) **BTR277**

### Fittings - front mudflaps - all models

#### mounting brackets;

rh (1) **MTC3000**

lh (1) **MTC3001**

stiffener - mudflap support (2) **MTC3874**

#### screw;

bracket to chassis (6) **FS106167**

mudflap to bracket (6) **FS106255L**

nut - mudflap screw (6) **GHF212**

### Fittings - rear mudflaps - 90;

#### mounting brackets;

##### up to VIN AA232010

rh (1) **MUC3984**

lh (1) **MUC3985**

##### VIN AA232011 on

rh (1) **MUC3986**

lh (1) **MUC3987**

stiffener - mudflap support (2) **MUC1512**

#### screw;

bracket to chassis (6) **FS106167**

mudflap to bracket (6) **FS106255L**

nut - mudflap screw (6) **GHF212**

### Fittings - rear mudflaps - 110/130;

#### mounting brackets;

rh (1) **MTC8358**

lh (1) **MTC8357**

#### screw;

##### bracket to chassis

M6 x 16 (6) **FS106167**

M6 x 20 (6) **FS106201L**

mudflap to bracket (6) **FS106167**

nut - mudflap screw (6) **GHF212**



## MORE STOCK EVERY DAY

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.

## Tools

Hydraulic Jack (a/r) **ANR4489**

Handle for jack (a/r) **NTC6856**

Wheel Brace (a/r) **NTC7829**

Wheel Chock (each) (a/r) **ANR4960**

Tyre Pump (a/r) **523638A**



## Spare Wheel Covers

### Spare wheel cover;

#### Genuine - vinyl

750 x 16 **MXC6405**

205 x 16 **MXC6406**

235 x 16 **STC7665AA**

265 x 16 **STC8487AA**

#### aftermarket

##### vinyl - plain black

750 x 16 **MXC6405P**

205 x 16 **RD1113-205**

235 x 16 **RD1113-235**

stainless steel - 265/70 x 16 **LL1228**



## Autoglym

### Autoglym 'Clean Wheels'

500ml. Alloy wheel cleaning solution.

**RX1322**

### Autoglym 'Tyre dressing'

Makes tyres look like new!

**RX1368**

### Autoglym 'Wheel seal'

Silicone spray. Protects your alloy wheels.

**RX1443**



## Wheel Wax

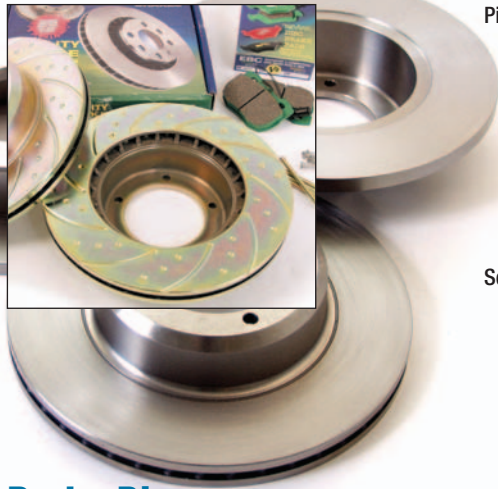
### Wheel wax (225g)

Prevents the build up of brake dust and stops corrosion. Protects against road salt, tar & grime. Gives an incredible shine.

**RX1262**

**TO ORDER CALL 01522 568000**

DESCRIPTION QTY REQ. PART No.



## Brake Discs

Brake disc;	
front	
solid	
standard (each)	(2) <b>FRC7329</b>
uprated (pair)	(1) <b>FRC7329UR</b>
<i>EBC turbo groove.</i>	
vented	
standard (each)	(2) <b>FTC902</b>
uprated (pair)	(1) <b>FTC902UR</b>
<i>EBC turbo groove.</i>	
rear	
90	
standard (each)	(2) <b>FTC1381</b>
uprated (pair)	(1) <b>FTC1381UR</b>
<i>EBC turbo groove.</i>	
110/130	
standard (each)	(2) <b>FTC3846</b>
up to VIN WA159806	(2) <b>FTC3846</b>
VIN XA159807 on	(2) <b>SDB000330</b>

## Brake Calipers

Caliper - front;	
solid discs	
up to axle nos: 22L09654 (RHD) & 23L05987 (LHD)	
RH	(1) <b>RTC3380</b>
LH	(1) <b>RTC3381</b>
axle nos 22L09655 to 22L10191 (RHD) & 23L06060 to 23L06078 (LHD)	
RH	(1) <b>RTC4998</b>
LH	(1) <b>RTC4999</b>
axle nos 22L10192 to 22L10271 (RHD) & 23L05988 to 23L06059 (LHD)	
RH	(1) <b>RTC3380</b>
LH	(1) <b>RTC3381</b>
axle nos 22L10272 (RHD) & 23L06079 (LHD) to VIN HA701009 (1991)	
RH	(1) <b>RTC4998</b>
LH	(1) <b>RTC4999</b>
VIN HA701010 to KA930455 (1993)	
RH	(1) <b>RTC5572</b>
LH	(1) <b>RTC5573</b>
VIN LA930456 (1994) on	
RH	(1) <b>STC1262</b>
LH	(1) <b>STC1263</b>
vented discs	
<i>4 cylinder heavy duty and V8 applications.</i>	
RH	(1) <b>STC1266</b>
LH	(1) <b>STC1267</b>
Caliper - rear;	
<i>ABS &amp; non-ABS vehicles.</i>	
90	
RH	(1) <b>STC1264</b>
LH	(1) <b>STC1265</b>
110/130	
up to VIN 1A614447	
RH	(1) <b>STC1268</b>
LH	(1) <b>STC1269</b>
VIN 1A614448 on	
RH	(1) <b>SMC000180</b>
LH	(1) <b>SMC000190</b>

DESCRIPTION QTY REQ. PART No.

Piston - caliper;		
front		
all up to VIN HA701009 (1991)(4)		<b>606683</b>
VIN HA701010 to KA930455 (4)		<b>STC201</b>
VIN LA930456 (1994) on (1)		<b>STC1280</b>
<i>NB. STC1280 is a caliper piston kit.</i>		
rear		
90		(2) <b>STC1279</b>
110/130		
up to VIN 1A614447		(2) <b>STC1281</b>
VIN 1A614448 on		(2) <b>SEE000010</b>
Seal kit - caliper;		
front		
all up to VIN HA701009 (1991)(4)		<b>AEU1547</b>
all VIN HA701010 (1991) on (4)		<b>AEU2539</b>
rear		
90		(2) <b>8G8587L</b>
110/130		
up to VIN 1A614447		(2) <b>STC1270</b>
VIN 1A614448 on		(2) <b>SMN000060</b>
Bleed nipple - caliper		
front		
all up to VIN KA930455 (a/r)		<b>RTC1526</b>
all VIN LA930456 (1994) on(a/r)		<b>SMG000010</b>
rear - all models		(2) <b>RTC1526</b>

## Brake Pads - Standard

Brake pads - front (axle set);		
<i>See also Uprated Brake Pads.</i>		
90		
up to axle nos: 22L10271 (RHD) & 23L06078 (LHD)		(1) <b>STC2956</b>
from axle no: 22L10272 (RHD) & 23L06078 (LHD) up to VIN HA701009		(1) <b>STC3765</b>
VIN HA701010 to KA930455		(1) <b>STC2952</b>
VIN LA930456 (1994) on		(1) <b>SFP000260</b>
110/130		
up to VIN KA930455 (1993)		(1) <b>STC2952</b>
VIN LA930456 to on		(1) <b>SFP000260</b>
Brake pads - rear (axle set);		
90		(1) <b>SFP000270</b>
110/130		
up to VIN ZA614447		(1) <b>SFP000280</b>
VIN 1A614448 on		(1) <b>SFP000250</b>
Retaining kit - brake pads;		
front		
solid discs	(1) <b>RTC5001</b>	
vented discs	(1) <b>STC8575</b>	
rear	(1) <b>STC8574</b>	

## Brake Pads - Uprated

Brake pads - uprated - front (axle set);		
90		
up to axle nos: 22L10271 (RHD) & 23L06078 (LHD)		(1) <b>STC2956UR</b>
from axle no: 22L10272 (RHD) & 23L06078 (LHD) up to VIN HA701009		(1) <b>RA1392GS</b>
VIN HA701010 (1991) on		(1) <b>STC2952UR</b>
110/130 - all models		(1) <b>STC2952UR</b>
Brake pads - uprated - rear (axle set);		
90		(1) <b>SFP000270UR</b>
110/130		(1) <b>SFP000280UR</b>

## Brake Drum - Rear

Drum - rear brakes;		
90		(2) <b>591039</b>
110/130		(2) <b>576973</b>
Retaining screw - drum		(2) <b>SA108161</b>

DESCRIPTION QTY REQ. PART No.



## Wheel Cylinder - Rear

Wheel cylinder;		
90		
up to VIN HA701009 (1991)		
RH	(1) <b>RTC3168</b>	
LH	(1) <b>RTC3169</b>	
VIN HA701010 on		
RH	(1) <b>STC468</b>	
LH	(1) <b>STC467</b>	
110/130		
RH	(1) <b>RTC3626</b>	
LH	(1) <b>RTC3627</b>	
Repair kit - wheel cylinder;		
90		
up to VIN HA701009 (1991)		(2) <b>RTC3170</b>
VIN HA701010 on		(2) <b>STC469</b>
110/130		(2) <b>AEU2498</b>
Bleed screw - wheel cylinder;		
90		(2) <b>RTC1115A</b>
110/130		(2) <b>608400</b>



## Brake Shoes - Rear

Brake shoes - axle set;		
90		(1) <b>STC2796</b>
110/130		
standard duty	(1) <b>STC2797</b>	
heavy duty	(1) <b>STC2798</b>	





**BRAKE MASTER CYLINDER**

## Brake Hydraulics

Master cylinder - non ABS;  
See **ABS Components**, below, for ABS master cylinder.

90		
up to VIN HA701009 (1991)	(1)	<b>NRC9529</b>
VIN HA701010 on	(1)	<b>SJC100460</b>
110/130		
up to VIN HA901219 (1991)	(1)	<b>NRC8690</b>
VIN HA901220 on	(1)	<b>SJC100460</b>
Seal kit - master cylinder;		
90		
up to VIN HA701009 (1991)	(1)	<b>RTC3387</b>
VIN HA701010 to XA178473 (1)		<b>STC491</b>
110/130		
up to VIN HA901219 (1991)	(1)	<b>AEU3015</b>
VIN HA901220 to XA178473 (1)		<b>STC491</b>

## Brake Servo

Servo assembly - non-ABS;  
See **ABS Components**, below, for ABS servo assembly.

to VIN HA701009 (90) & HA901219 (110/130);		
1 port	(1)	<b>STC2878</b>
2 port		use <b>STC2878</b>
Type 50	(1)	<b>NRC4775</b>
276mm diameter non-return valve aperture at top left.		
Type 80	(1)	<b>NRC4772</b>
227mm diameter non-return valve aperture at bottom right.		
above VINs on	(1)	<b>STC4322</b>
Repair kit - servo;		
Type 50	(1)	<b>18G8951A</b>
Type 80	(1)	<b>AEU2741</b>
Non-return valve - servo;		
up to VIN WA159806	(1)	<b>RTC812</b>
VIN XA159807 on	(1)	<b>STC493</b>

## Brake Vacuum Pump - Tdi

Vacuum pump - brake;		
200Tdi	(1)	<b>ERR535</b>
300Tdi	(1)	<b>ERR3539</b>
gasket - vacuum pump;		
200Tdi	(2)	<b>ETC4616</b>
300Tdi	(1)	<b>ERR2027</b>

## Brake Pipes

Copper brake pipe kit;  
Vehicle sets of rigid copper brake pipes, complete with clips.

A limited range of sets is currently available - please enquire if your vehicle is not listed.

90 - up to 1999		
rhd	(1)	<b>LL1115RHD</b>
lhd	(1)	<b>LL1115LHD</b>
110		
up to 1986		
rhd	(1)	<b>LL1116RHD</b>
lhd	(1)	<b>LL1116LHD</b>
1994 on - rhd	(1)	<b>LL1117RHD</b>

## Brake Hoses

Brake hoses are available as standard (ie rubber) or stainless steel braided. Braided hoses have a smaller internal diameter, as well as a far greater resistance to sidewall flexing, both of which contribute to improved pedal "feel".

Brake hose - flexible - front;		
All models - ABS & non-ABS.		
standard	(2)	<b>NRC7874</b>
stainless steel braided	(2)	<b>NRC7874GR</b>
Brake hose - flexible - rear;		
all non-ABS vehicles		
90		
standard	(1)	<b>NRC9455</b>
stainless steel braided	(1)	<b>NRC9455GR</b>
110/130		
standard	(1)	<b>NRC9456</b>
stainless steel braided	(1)	<b>NRC9456GR</b>
vehicles with ABS		
RH side		
standard	(1)	<b>SHB101370</b>
stainless steel braided	(1)	<b>SHB101370GR</b>
LH side		
standard	(1)	<b>SHB101430</b>
stainless steel braided	(1)	<b>SHB101430GR</b>
Braided brake hose kit - 50mm longer;		
For vehicles with raised ride height. Vehicle set.		
90" models up to '99	(1)	<b>LL1231</b>
all models '99 on - non ABS	(1)	<b>LL1232</b>
110 models	(1)	<b>LL1233</b>

## STAINLESS STEEL BRAIDED HOSES



## Brake Valve

Brake valve;		
forward-mounted		
Models with rear disc brakes only.		
90	(1)	<b>NTC8836</b>
110/130		
up to VIN LA (1994)	(1)	<b>NRC8215</b>
VIN MA (1995) on	(1)	<b>ANR1415</b>
rear-mounted	(1)	<b>NRC8215</b>
Models with rear drum brakes		



**BRAKE FLUID**

## Brake Fluid

Brake fluid;		
DOT 3 (1 litre)	(a/r)	<b>GBF103</b>
silicone fluid		
0.5 litre	(a/r)	<b>RX1327</b>
1 litre	(a/r)	<b>RX1326</b>
Brake cleaner - aerosol	(a/r)	<b>GBF901</b>

## ABS Components

Master cylinder - ABS	(1)	<b>SJC100421</b>
Servo - ABS	(1)	<b>SJG100240</b>
Modulator - ABS	(1)	<b>SRB101552</b>
Wheel sensors - ABS;		
front	(2)	<b>STC1749</b>
rear	(2)	<b>STC1750</b>
Bush - wheel sensors - ABS	(4)	<b>FTC1374</b>
Exciter ring - rear	(2)	<b>FTC1379</b>
ECU - ABS system	(1)	<b>SRD100490</b>

## Handbrake

For Handbrake Component, see **Transfer Gearbox** section.

## Miscellaneous

Pedal rubber - brake;		
all except V8 efi	(1)	<b>61K738</b>
V8 efi (automatic)	(1)	<b>ANR6476</b>





DESCRIPTION QTY REQ. PART No.



**DROP ARM BALLJOINT KIT**

## Steering Box

Steering box;		
manual steering		
RHD	(1)	<b>NTC8224</b>
LHD	(1)	<b>NTC8223</b>
power steering		
Gemmer		
6 bolts securing the top cover.		
RHD	(1)	<b>NTC1582</b>
LHD	(1)	<b>NTC1583</b>
Adwest heavyweight		
3 bolts securing the top cover.		
RHD	(1)	<b>STC1137</b>
LHD	(1)	<b>STC1138</b>
Adwest lightweight		
4 bolts securing the top cover.		
RHD	(1)	<b>STC8384</b>
LHD	(1)	<b>STC8383</b>
Bolt - steering box to chassis	(4)	<b>BX1 12201</b>
Balljoint - drop arm - all models	(1)	<b>RGB000010</b>



**LOWER STEERING SHAFT & UJS**

## Steering Shaft & Coupling

Steering shaft - lower;		
up to VIN VA133508	(1)	<b>RTC4738</b>
VIN VA133509 on	(1)	<b>QME500031</b>
Supplied complete with upper universal joint.		
Universal joint - steering shaft;		
up to VIN VA133508		
upper	(1)	<b>NRC7387</b>
lower	(1)	<b>NRC7704</b>
VIN VA133509 on - lower	use	<b>QME500031</b>
Upper universal joint is only available as part of the lower steering shaft assembly from VIN VA133509.		

DESCRIPTION QTY REQ. PART No.



## Power Steering Pump

Power steering pump;		
2.25 & 2.5 petrol	(1)	<b>ETC9077</b>
2.5 NA & 2.5 TD diesel	(1)	<b>ETC9077</b>
200Tdi		
up to eng.no.11L22454	(1)	<b>NTC8287</b>
eng.no.11L22455 on	(1)	<b>NTC9070</b>
300Tdi	(1)	<b>ANR2157</b>
Td5	(1)	<b>QVB101350</b>
V8		
carb engines		
30 series	use	<b>ANR2003</b>
Cast pump housing.		
200 series	(1)	<b>ANR2003</b>
Pressed pump housing - black finished.		
efi engines	(1)	<b>QVB101110</b>

Drive belt - power steering;  
*Note: please check your vehicle before ordering.*  
 Some vehicles have a fixed pump mounting along with an idler pulley for belt tension adjustment.  
 As an alternative, some vehicles have a slotted pump mounting bracket for belt tension adjustment.

4 cyl petrol engines		
with idler pulley	(1)	<b>ETC4272</b>
with adjustable pump	(1)	<b>ETC5815</b>
2.5 NA diesel engine		
with idler pulley		
non air conditioning	(1)	<b>ERC5146</b>
with air conditioning	(1)	<b>ETC4272</b>
with adjustable pump	(1)	<b>ETC5815</b>
2.5 TD & 200Tdi engines	(1)	<b>ETC5815</b>
300Tdi - see Ancillary Drive Belt.		
V8 - all carb models	(1)	<b>ERC675</b>
Reservoir - pas fluid;		
metal reservoir	use	<b>QFX000030</b>
plastic reservoir	(1)	<b>QFX000030</b>
Filter - metal pas reservoir	(1)	<b>RTC3058</b>



**POWER STEERING PUMP**

DESCRIPTION QTY REQ. PART No.

## Track Rod

Track rod assembly	(1)	<b>NRC9743</b>
Comprising tube and balljoints.		
Tube only - track rod	(1)	<b>NRC9742</b>
Balljoint - track rod end;		
RH - right hand thread	(1)	<b>RTC5869</b>
LH - left hand thread	(1)	<b>RTC5870</b>
Dust cover - balljoint	(2)	<b>214649</b>
Clamp - balljoint	(2)	<b>577898</b>



**TRACK ROD END, DUSTCOVER & CLAMP**

## Drag Link

Eye end - drag link;		
up to VIN LA (1994)		
RHD	(1)	<b>NRC8231</b>
LHD	(1)	<b>NRC8232</b>
VIN MA (1995) on		
RHD	(1)	<b>ANR2858</b>
LHD	(1)	<b>ANR2859</b>
Tube only - drag link;		
up to VIN JA917433 (1992)	(1)	<b>NRC5582</b>
VIN JA917434 to VIN LA	(1)	<b>NRC9741</b>
VIN MA (1995) on	(1)	<b>ANR2860</b>
Balljoint -drag link	(1)	<b>RTC5869</b>
Right hand thread.		
Clamp - balljoint	(1)	<b>577898</b>
Drop arm nut - castellated	(1)	<b>NC112041</b>

## Steering Damper

Steering damper;		
standard	(1)	<b>RTC4472</b>
uprated (Bilstein)	(1)	<b>RTC4472UR</b>
Bush - steering damper;		
eye-end bush		
standard	(1)	<b>NTC1775</b>
polyurethane	(1)	<b>NTC1775PY</b>
pin-end bush		
standard	(2)	<b>568858</b>
polyurethane	(2)	<b>568858PY</b>



**STEERING DAMPERS**

**MORE STOCK EVERY DAY**

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.

## Steering Wheel & Column

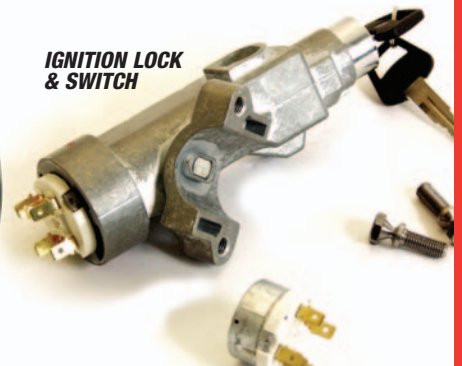
Steering wheel - original.  
Please enquire for price & availability of original steering wheels.

Steering wheel - aftermarket;  
Includes boss & fittings.

vinyl rim (3 spoke, 14" diameter)		
with polished spokes		
up to VIN HA (1991)	(1)	<b>LL1119P</b>
VIN JA to WA138479	(1)	<b>LL1120P</b>
VIN WA138480 on	(1)	<b>LL1119P</b>
with black spokes		
up to VIN HA (1991)	(1)	<b>LL1119B</b>
VIN JA to WA138479	(1)	<b>LL1120B</b>
VIN WA138480 on	(1)	<b>LL1119B</b>
leather rim (3 spoke, 15" diameter)		
with polished spokes		
up to VIN HA (1991)	(1)	<b>LL1121P</b>
VIN JA to WA138479	(1)	<b>LL1122P</b>
VIN WA138480 on	(1)	<b>LL1121P</b>
with black spokes		
up to VIN HA (1991)	(1)	<b>LL1121B</b>
VIN JA to WA138479	(1)	<b>LL1122B</b>
VIN WA138480 on	(1)	<b>LL1121B</b>
Steering column - upper;		
up to VIN HA (1991)	(1)	<b>QMB101620</b>
VIN JA (1992) on		
all except Station Wagon	(1)	<b>NTC9068</b>
Station Wagon		
up to VIN WA138479	(1)	<b>NTC9068</b>
VIN WA138480 on	(1)	<b>QMB101620</b>



### IGNITION LOCK & SWITCH



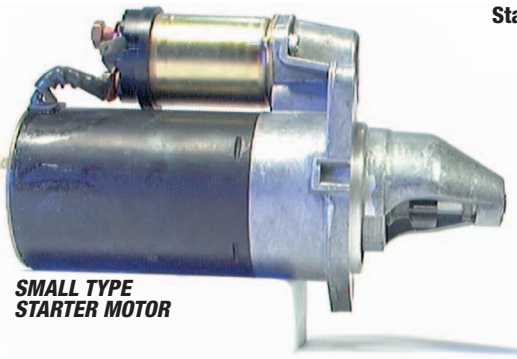
## Ignition Lock

Ignition lock - steering column;  
Including ignition switch.

petrol vehicles	(1)	<b>QRF100880</b>
diesel vehicles		
2.5 NA & TD	(1)	<b>QRF100870</b>
2.5 TD	(1)	<b>NRC3908</b>
Tdi & Td5	(1)	<b>QRF100880</b>
Ignition switch only;		
petrol vehicles		
up to VIN FA415402	(1)	<b>158459</b>
VIN FA415403 on	(1)	<b>PRC8230</b>
diesel vehicles		
2.5 NA & 2.5 TD	(1)	<b>PRC2735</b>
Tdi & Td5	(1)	<b>PRC8230</b>
Shear bolt - ignition lock	(2)	<b>51K4001</b>



DESCRIPTION QTY REQ. PART No.

SMALL TYPE  
STARTER MOTOR

## Engine Electrics - Major Components

### Alternator;

2.25 petrol engine non air conditioning <i>A115, 45 amp.</i>		
machine sensed	(1)	<b>RTC5083E</b>
battery sensed	(1)	<b>RTC5088E</b>
air conditioning <i>A133, 65 amp.</i>	(1)	<b>RTC5218E</b>
2.5 petrol & 2.5 NA diesel engine non air conditioning		
A115, 45 amp	(1)	<b>RTC5083E</b>
A127, 45 amp	(1)	<b>RTC5682E</b>
air conditioning		
A133, 65 amp	(1)	<b>RTC5218E</b>
A127, 65 amp	(1)	<b>STC234E</b>
2.5 TD & 200Tdi diesel engines non air conditioning <i>A127, 45 amp.</i>	(1)	<b>RTC5682E</b>
air conditioning <i>A127, 65 amp.</i>	(1)	<b>STC234E</b>
300Tdi (A127, 65amp)	(1)	<b>AMR4249</b>
Td5	(1)	<b>ERR6999</b>
V8		

#### carb engines

A127, 65amp (high output)		
- rh mount	(1)	<b>RTC5680E</b>
- lh mount	(1)	<b>RTC5681E</b>
battery sensed <i>A115, 45amp.</i>	(1)	<b>RTC5086E</b>
<i>Up to eng.nos: 14G01446, 15G02240 &amp; 17G00182.</i>		
ignition sensed <i>A115, 45amp.</i>	(1)	<b>RTC5085E</b>
<i>From eng.nos: 14G01447, 15G02241, 17G00183 &amp; 20G &amp; 21G.</i>		
A127, 45amp	(1)	<b>RTC5683E</b>
A133, 65amp	(1)	<b>RTC5087E</b>
efi engine <i>A127, 100amp.</i>	(1)	<b>AMR4247</b>

### Drivebelt - alternator;

2.25 petrol engines	(1)	<b>563132</b>
2.5 petrol engine		
non air con	(1)	<b>563132</b>
air con	(1)	<b>ERC8938</b>
2.5 NA diesel engine		
non air con	(1)	<b>563132</b>
air con	(1)	<b>ETC7939</b>
2.5 TD diesel engine <i>Air con &amp; non air con.</i>	(1)	<b>ETC7939</b>
200Tdi	(1)	<b>ETC7939</b>
300Tdi - serpentine ancillary belt to eng.no. 16L25164	(1)	<b>ERR3287</b>
eng.no 16L25165 on	(1)	<b>ERR5911</b>
Td5 - serpentine ancillary belt non air conditioning	(1)	<b>PQS101490</b>
with air conditioning	(1)	<b>PQS101500</b>
V8		
carb engines		
non air con	(1)	<b>ETC7394</b>
air con	(1)	<b>614670</b>
efi engines <i>Serpentine belt.</i>	(1)	<b>ERR5579</b>

### Tensioner - serpentine belt;

300Tdi	(1)	<b>ERR4708</b>
Td5	(1)	<b>ERR6951</b>
V8	(1)	<b>ERR3440</b>

DESCRIPTION QTY REQ. PART No.

### Starter motor;

2.25 petrol engine <i>(M78R compact starter motor).</i>	(1)	<b>PRC6613</b>
2.5 petrol engine up to eng.no. 17H 26367C <i>(M78R compact starter motor).</i>	(1)	<b>PRC6613</b>
eng.no.17H 26368C on <i>(Bosch starter motor).</i>	(1)	<b>NAD10040</b>
2.5 NA diesel engine		
Lucas M113	(1)	<b>RTC5249N</b>
Bosch	(1)	<b>ERR5009</b>
Valeo		<i>use ERR5009</i>
2.5 TD & 200/300Tdi engines		
Bosch	(1)	<b>ERR5009</b>
Valeo		<i>use ERR5009</i>
Td5	(1)	<b>NAD101240</b>
V8 carb & efi engines		
Lucas 2M100		<i>use NAD101190</i>
M78R		<i>use NAD101190</i>
Bosch	(1)	<b>NAD101190</b>

### Solenoid - starter motor;

4 cyl petrol engines		
2M100 starter	(1)	<b>STC1519</b>
M78R starter	(1)	<b>RTC5049</b>
Bosch starter	(1)	<b>NAF100170</b>
4 cyl diesel engines		
Lucas M113 starter	(1)	<b>STC1518</b>
Bosch		
no. 0 331 303 165	(1)	<b>STC1245</b>
no. 9 330 331 006	(1)	<b>STC3715</b>
Valeo	(1)	<b>RTC4978</b>
V8 - carb & efi		
M78R starter	(1)	<b>RTC5049</b>
Bosch starter	(1)	<b>STC4462</b>

## Ignition System - Petrol

### Distributor - 4 cylinder engines; *See below for V8 Distributor.*

2.25	(1)	<b>ERC8520</b>
2.5	(1)	<b>ETC5835</b>

### Distributor - V8 engines;

*There are numerous distributors fitted to the V8 engines in Land Rover 90 & 110 models. All are Lucas units - some points-type and some electronic - and not all are still available.*

*Engines whose serial number begins 14G, 15G & 17G (fitted with Stromberg carbs) have points-type distributors. Stromberg-equipped engines whose serial number begins 19G, 20G, 21G & 22G are fitted with electronic ignition distributors, as are all engines fitted with SU carbs, although these engines use a different distributor to the Stromberg engines.*

*If you require a specific distributor, please contact our sales department, where one of our sales advisors will be able to check price & current availability for you.*

*Alternatively, we offer a choice of Lucas and Mallory distributors, all of which are a straight swap for your original unit and all of which are suitable for 90 & 110 V8 engines.*

Lucas distributor		
points-type		
14G engines	(1)	<b>ERC5745</b>
15G engines	(1)	<b>ERC4536</b>
17G engines	(1)	<b>ERC7131</b>
electronic ignition type		
19G engines	(1)	<b>ETC5090</b>
20G engines	(1)	<b>ETC4717</b>
21G engines	(1)	<b>ETC5354</b>
22G engines	(1)	<b>ETC4715</b>

Mallory distributors		
dual point	(1)	<b>RB7459</b>
electronic	(1)	<b>RB7459E</b>

### Distributor cap;

2.25 petrol engine		
Lucas	(1)	<b>RTC3278</b>
Ducellier	(1)	<b>RTC4932</b>
2.5 petrol engine	(1)	<b>RTC3278</b>
V8		
Lucas distributors	(1)	<b>GDC117P</b>
Mallory distributors	(1)	<b>RB7469</b>

DESCRIPTION QTY REQ. PART No.

### Rotor arm;

2.25 petrol engine		
Lucas	(1)	<b>RTC3614</b>
Ducellier	(1)	<b>RTC4933</b>
2.5 petrol engine	(1)	<b>RTC3614</b>
V8		
Lucas distributors		
points ignition	(1)	<b>RTC3618</b>
electronic ignition	(1)	<b>GRA117P</b>
Mallory distributors	(1)	<b>RB7472</b>
Contact breaker set (points);		
2.25 petrol engine		
Lucas	(1)	<b>RTC6627</b>
Ducellier	(1)	<b>RTC6625</b>
2.5 petrol engine	(1)	<b>RTC6627</b>
V8 - where applicable		
Lucas distributors	(1)	<b>GCS2117</b>
Mallory distributor	(2)	<b>RB7470</b>
Condenser;		
2.25 petrol engine		
Lucas	(1)	<b>RTC6621</b>
Ducellier	(1)	<b>RTC4935</b>
2.5 petrol engine	(1)	<b>RTC6621</b>
V8		
Lucas	(1)	<b>RTC3472</b>
Mallory	(1)	<b>RB7471</b>
Ignition coil;		
4 cyl petrol engines	(1)	<b>PRC9858</b>
V8		
conventional coil		
Lucas	(1)	<b>RTC5628</b>
Bosch	(1)	<b>PRC6574</b>
<i>Note: Lucas &amp; Bosch coils are interchangeable.</i>		
coil pack - V8 efi <i>Distributor-less engines.</i>	(1)	<b>ERR6269</b>

## Spark Plugs & Plug Leads

### Spark plug;

2.25 petrol engine		
8:1 compression ratio	(4)	<b>RTC3570</b>
7:1 compression ratio	(4)	<b>RTC3571</b>
2.5 petrol engine	(4)	<b>ERR743</b>
V8		
3.5 litre low compression		
standard	(8)	<b>GSP4382</b>
performance (double core)	(8)	<b>GSP4382HP</b>
3.9 litre		
N9YC	(8)	<b>GSP4362</b>
<i>High compression &amp; non catalyst.</i>		
RN12YC	(8)	<b>GSP4382</b>
<i>Low compression &amp; catalyst.</i>		
V8 efi	(8)	<b>GSP6462</b>
RN11YC		

### Spark plug spanner

Plug lead set;		
4 cyl petrol engines	(1)	<b>ERC3256</b>
V8		
all models <i>except</i> V8 efi		
original	(1)	<b>RTC6551</b>
performance (silicone)	(1)	<b>GHT182S</b>
V8 efi		
standard	(1)	<b>RA1340</b>
performance (silicone)	(1)	<b>RA1340S</b>

V8 MALLORY  
DISTRIBUTOR

## Wipers & Washers

Wiper motor;  
windscreen

up to VIN 1A622423 (2001) (1) **517621**  
VIN 2A622424 on (1) **DLB000200**

rear door

up to VIN JA910753 (1992) (1) **STC3854**  
VIN JA910754 to MA965105(1) **AMR1054**  
VIN MA965106 (1995) on  
all except 50th Anniversary(1) **AMR3676**  
50th Anniversary model (1) **AMR6108**

Brush - wiper motor;  
windscreen

up to VIN 1A622423 (2001) (1) **517644A**  
VIN 2A622424 on (1) **DLZ000010**

Crank assembly - wiper motor;

up to VIN 1A622423 (2001) (1) **517622**  
VIN 2A622424 on (1) **DLW000020**

Park switch - wiper motor

(1) **520160A**  
*Windscreen wiper motor up to VIN1A622423 (2001).*

Wiper rack - windscreen;

up to VIN 1A622423 (2001) (1) **RTC202A**  
VIN 2A622424 on (1) **DLE000010**

Wheelbox - windscreen wiper;

to VIN YA999999 (2) **PRC8495**  
VIN 2A622424 on (2) **DKU000010**

Wiper arm;

windscreen  
up to VIN 1A622423 (2001)  
RHD (2) **PRC4276**  
LHD (1) **PRC4277**

VIN 2A622424 on  
RHD (2) **DKB000060PMD**  
LHD (2) **DKB000050PMD**

rear screen  
up to VIN FA452017 (1989) (1) **STC443**  
VIN FA452018 on (1) **PRC8558**

Wiper blade;

windscreen (2) **DKC000110PMD**  
rear screen  
up to VIN FA452017 (1989) (1) **RTC6856**  
VIN FA452018 to on (1) **DKC000110PMD**

Washer pump;

windscreen  
non air-con  
up to VIN WA159806 (1) **STC1453**  
VIN XA159807 on (1) **DMC100550**  
with air con  
up to VIN AA270226 (1) **GWW125**  
VIN AA270226 to WA159806(1) **GWW1194**  
VIN XA159807 on (1) **DMC100550**

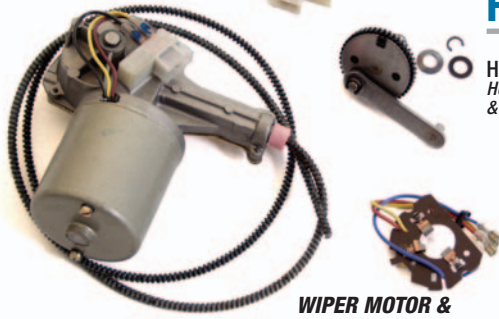
rear screen - rear door mounted(1) **STC3803**  
*Complete washer bag/pump kit for rear door-mounted screen washer.*

rear screen - under-bonnet mounted  
*Where rear screen wash is integrated into front screen washer bottle.*

non air-con  
up to VIN WA159806 (1) **STC1453**  
VIN XA159807 on (1) **DMC100550**

with air con  
up to VIN WA159806 (1) **GWW1194**  
VIN XA159807 on (1) **DMC100550**

headlamps (power wash) (1) **GWW197**



### WIPER MOTOR & COMPONENTS

Grommet - pump to bottle;  
for STC1453 (1) **RTC3959**  
for DMC100550 (1) **AFU4506A**  
for GWW1194 (1) **RTC5827**  
for GWW197 (1) **ADU6418**



### WASHER JET

Washer jet;

windscreen  
up to VIN AA270226 (2) **PRC2437**  
*Single nozzle jet.*  
VIN AA270227 on (2) **AMR3025**  
*Twin nozzle jet.*

rear screen  
up to VIN AA270226 (1) **EAM9332**  
*Single nozzle jet.*  
VIN AA270227 on (1) **AMR3026**  
*Twin nozzle jet.*

headlamps (2) **PRC2291**



Rear screen wiper kit (1) **LL1132**  
*Complete aftermarket rear screen wiper kit.*  
Rear screen washer kit (1) **LL1133**  
*Complete aftermarket rear screen washer kit.*

## Headlamps

Headlamp assembly;  
*Headlamp assembly includes light unit, body gasket, bezel & screws.*

up to VIN KA922614 (1993)  
sealed beam type  
RHD (2) **AEU1355**  
LHD (2) **27H8207L**

halogen type  
RHD (2) **BAU2144**  
LHD (2) **AEU1742**

VIN KA922615 on;  
Wagner sealed beam type

RHD (2) **AMR2342**  
LHD (2) **AMR2343**

halogen type  
RHD (2) **AMR2344**  
LHD (2) **AMR2345**

Light unit only - headlamp;

up to VIN KA922614 (1993)  
sealed beam type  
RHD (2) **RTC3682**  
LHD (2) **GLU133**

Halogen type  
RHD (2) **RTC4615**  
LHD (2) **PRC7994**

VIN KA922615 on;  
Wagner sealed beam type

RHD (2) **STC949**  
LHD (2) **GLU133**

halogen type  
RHD (2) **STC1209**  
LHD (2) **STC1210**

Body - headlamp;

up to VIN KA922614 (1993) (2) **STC643**  
VIN KA922615 on (2) **STC1613**

Gasket - headlamp;  
up to VIN KA922614 (1993) (2) **531586**  
VIN KA922615 on (2) **STC1612**

Bezel - headlamp;  
up to VIN KA922614 (1993) (2) **515218A**  
*Chrome.*  
VIN KA922615 on (2) **STC3018**  
*Black.*

Bulb - headlamp;  
*H4 60/65 watt main/dip.*  
clear - quartz halogen (2) **589783**  
Xenon (pair) (1) **589783X**

Adjuster kit - headlamp;  
up to VIN KA922614 (1993) (2) **BHM7058**  
VIN KA922615 on (2) **STC1614**



### HALOGEN HEADLAMPS

**TO ORDER CALL 01522 568000**

DESCRIPTION QTY REQ. PART No.



**SIDE LAMPS**

## Side Lamps & Indicators - Front

- Side lamp assembly;
  - up to VIN MA940004 (1995) (2) **RTC5012**
  - VIN MA940005 on (2) **STC1227**
- Lens - side lamp (2) **589284**  
*Up to VIN MA940004.*
- Bulb holder - side lamp (2) **XBP100180**  
*VIN MA940005 on.*
- Bulb - side lamp (2) **10211**
- Indicator assembly;
  - up to VIN MA940004 (1995) (2) **RTC5013**
  - VIN MA940005 on (2) **AMR6513**
- Lens - indicator (2) **516301**  
*Up to VIN MA940004.*
- Bulb holder - side lamp (2) **XBP100180**  
*VIN MA940005 on.*
- Bulb - side lamp (2) **264591**
- Side repeater assembly;
  - up to VIN 331793 (2) **589143**
  - VIN 331794 up to LA939975 (2) **PRC7044**
  - VIN MA939976 to WA159806 (2) **AHU2592**
  - VIN XA159807 on (1) **XGB000030**
- Lens - side repeater (2) **27H2403**  
*Up to VIN 331793 only.*
- Bulb - side repeater;
  - up to VIN 331793 (2) **570822**
  - VIN 331794 on (2) **AFU4481**
- Bulb holder - side repeater (2) **YPY100220**  
*VIN MA (1995) on.*

**INDICATOR & LENS**



**TO ORDER CALL 01522 568000**

DESCRIPTION QTY REQ. PART No.

## Driving Lamps - Front

- Driving Lamp;
  - Rally 1000 (a/r) **STC7644**  
*As fitted to Tomb Raider vehicles.*
  - Safari 5000 (2) **STC8480**  
*Genuine 9" circular lamps with removable stone guard. Supplied individually.*
  - Wipac 'Off Road' - pair (1) **RX1512**  
*9" circular driving lamps supplied as a pair, complete with chunky plastic grille.*
- Steady bar - safari 5000 (2) **STC8814**
- Wiring kit - Safari 5000 (1) **STC8813AA**



**REVERSING & FOG LAMPS**

## Rear Lamps

- Stop/tail lamp;
  - up to VIN LA939975 (1994) (2) **RTC5523**
  - VIN MA939976 (1995) on (2) **XFD100100**
- Indicator assembly - rear;
  - up to VIN LA939975 (1994) (2) **RTC5524**
  - VIN MA939976 (1995) on (2) **AMR6515**
- Reversing lamp assembly;
  - up to VIN 1A612403 (2) **PRC7263**
  - VIN 1A612404 on (1) **AMR6521**  
*Circular reversing lamp.*
- Fog lamp assembly - rear;
  - up to VIN 1A612403 (1) **PRC7254**
  - VIN 1A612404 on (1) **AMR6522**  
*Circular rear fog lamp.*
- Lens - only;
  - stop/tail lamp (2) **RTC210**  
*Up to VIN LA939975 (1994) only.*
  - indicator - up to VIN LA (2) **516301**  
*Up to VIN LA939975 (1994) only.*
  - reversing lamp (1) **RTC4184**  
*Up to VIN 1A612403.*
  - All models with rectangular reversing lamp.
  - fog lamp (1) **RTC4183**  
*Up to VIN 1A612403.*
  - All models with rectangular fog lamp.
- Bulb - rear lamp - all models;
  - stop/tail (2) **264590**
  - indicator (2) **264591**
  - reversing lamp (1) **264591**
- Bulb holder - VIN 1A612404 on (2) **XBP100180**  
*Circular reversing & fog lamps.*

DESCRIPTION QTY REQ. PART No.



**NUMBER PLATE LAMP**

## Number Plate Lamp

- Number plate lamp (2) **XFC100550**
- Lens only - number plate lamp use **606211**
- Plinth - number plate lamp;
  - up to VIN LA939975 - all models(1) **PRC3588**
  - VIN MA939976 on
    - all models except HICAP (1) **345597**
    - HICAP only (1) **PRC3588**
- Bulb - number plate lamp (1) **575312**

## Interior Lamps

- Interior lamp assembly;
  - up to VIN LA939975 (1994) (1) **STC251**
  - VIN MA939976 (1995) on (1) **AMR3155**
- Lens - interior lamp (1) **320608**  
*Up to VIN LA939975 (1994) only*
- Bulb - interior lamp;
  - up to VIN LA939975 (1994) (1) **264591**
  - VIN MA939976 (1995) on (a/r) **586438**
- Switch - courtesy light;
  - side doors
    - up to VIN HA702829 (2) **PRC8231**
    - VIN HA702830 on (2) **AFU4241L**
  - rear door (1) **AAU1908A**



## Switches & Controls

### IGNITION SWITCH

Ignition switch;		
petrol vehicles		
up to VIN FA415402	(1)	<b>158459</b>
VIN FA415403 on	(1)	<b>PRC8230</b>
diesel vehicles		
2.5 NA & 2.5TD	(1)	<b>PRC2735</b>
Tdi & Td5	(1)	<b>PRC8230</b>
Shear bolt - ignition lock	(2)	<b>51K4001</b>



STEERING COLUMN STALKS

### STEERING COLUMN STALKS

Wash/wipe stalk;		
up to VIN GA455945 (1990)	(1)	<b>PRC3900</b>
VIN HA455946 to VA104805	(1)	<b>PRC7370</b>
VIN VA104806 on	(1)	<b>AMR6106</b>
Indicator, horn & dip stalk;		
up to VIN GA455945 (1990)	(1)	<b>PRC3875</b>
VIN HA455946 to VA104805	(1)	<b>STC439</b>
VIN VA104806 on	(1)	<b>XPB101290</b>
Master light switch;		
up to VIN VA104805	(1)	<b>PRC3430</b>
VIN VA104806 on	(1)	<b>AMR6104</b>
Rear fog lamp switch	(1)	<b>PRC3432</b>
<i>Steering column-mounted up to VIN MA949743.</i>		
<i>For dash-mounted fog lamp switches, see below.</i>		
Auxiliary lamp switch -		
Tomb Raider	(1)	<b>STC61821</b>

### DASH PANEL SWITCHES

Rear fog lamp switch - dash-mounted;		
rocker switch	(1)	<b>YUF101640</b>
push/push (one-touch switch)		
up to VIN WA138479	(1)	<b>AMR6328</b>
VIN WA138480 on	(1)	<b>YUE100530</b>
Hazard warning switch;		
up to VIN WA138479	(1)	<b>ASU1009</b>
VIN WA138480 on	(1)	<b>YUF101490</b>
Fuel changeover switch	(a/r)	<b>C38637L</b>
Interior light switch	(1)	<b>PRC7371</b>
Rear wash/wipe switch	(1)	<b>PRC4449</b>
Heated rear window switch	(1)	<b>YUF101500</b>

### FASCIA SWITCHES - VIN 2A622424 ON

Front fog lamp switch	(1)	<b>YUG000540LNF</b>
Rear fog lamp switch	(1)	<b>YUG000530LNF</b>
Rear wash switch	(1)	<b>YUE000070LNF</b>
Hazard warning switch	(1)	<b>YUG000180LNF</b>
Rear wiper switch	(1)	<b>YUG000350LNF</b>
Heated rear window switch	(1)	<b>YUG000470LNF</b>
Heated windscreen switch	(1)	<b>YUG000460LNF</b>
Electric window switch	(2)	<b>YUF101521LNF</b>
Heated seat switch	(2)	<b>YUG102430</b>
Headlamp levelling switch;		
90	(1)	<b>AMR5874</b>
except 90	(1)	<b>AMR5875</b>



### Cigar Lighter & Clock

Cigar lighter;		
up to VIN JA913077 (1992)	(1)	<b>PRC9410</b>
VIN JA913078 to WA138479	(1)	<b>DRC8395</b>
VIN WA138480 on	(1)	<b>YUJ000060</b>
Bulb - cigar lighter	(1)	<b>RTC3635</b>
Clock;		
rectangular	(1)	<b>PRC4370</b>
<i>Up to VIN LA936689 (1994).</i>		
round		
up to VIN WA159806 (1998)	(1)	<b>AMR3443</b>
VIN XA159807 (1999) on	(1)	<b>YFB100390</b>

### Engine Sensors

Coolant temperature transducer;		
2.25 petrol engine	(1)	<b>PRC2505</b>
2.5 petrol & 2.5NA diesel engines		
up to April 1989	(1)	<b>PRC2505</b>
April 1989 to VIN WA159806	(1)	<b>PRC6663</b>
VIN XA159807 on	(1)	<b>YCB100390</b>
2.5TD engine		
up to eng.no.19J25183C	(1)	<b>PRC2505</b>
eng.no.19J25184C on	(1)	<b>PRC6663</b>
200Tdi	(1)	<b>PRC8593</b>
300Tdi	(1)	<b>ERR2081</b>
Oil pressure switch;		
4 cyl engines <i>except</i> 300Tdi	(1)	<b>PRC6387</b>
300Tdi	(1)	<b>NUC100280L</b>
Td5	(1)	<b>NUC10003</b>
V8 carb	(1)	<b>STC4104</b>
Temperature sensor - Td5;		
inlet manifold	(1)	<b>MHK100640</b>
connector assembly -		
fuel block	(1)	<b>ERR2081</b>
water elbow	(1)	<b>ERR2081</b>
Efi sensors - V8 ;		
<i>4.0 litre efi only.</i>		
air flow meter	(1)	<b>ERR5595</b>
lambda sensor	(2)	<b>AMR6244</b>
throttle position sensor	(1)	<b>ERR4278</b>
camshaft sensor	(1)	<b>NSC100840</b>
'O'-ring - cam sensor	(1)	<b>ERR4815</b>
crank sensor	(1)	<b>ERR6119</b>
knock sensor	(2)	<b>ERR5594</b>
stepper motor	(1)	<b>ERR4352</b>
gasket - stepper motor	(1)	<b>ERR3359</b>
temperature sensor	(1)	<b>ETC8496A</b>

### Horns

Horn;		
up to VIN KA923603 (1993)		
vehicles without air con	(1)	<b>PRC2057</b>
vehicles with air con	(1)	<b>STC4408</b>
VIN KA923604 on		
up to VIN WA159806		
low note	(1)	<b>YEB10027</b>
high/low note	(1)	<b>YEB101220</b>
VIN XA159807 on		
high note	(1)	<b>YEB10026</b>
high/low note	(1)	<b>YEB101230</b>
Air horns (pair)	(1)	<b>RX1381</b>
<i>Including fittings.</i>		

### Relays

Relay;		
green	(a/r)	<b>DRC1820A</b>
<i>Brake system check, starter, fuel changeover etc.</i>		
red - wiper delay	(1)	<b>AMR2341</b>
black - ABS	(1)	<b>AMR3773</b>
multifunction - V8 efi	(1)	<b>YWB10027L</b>
heater plug		
12V	(1)	<b>PRC6913</b>
24V	(1)	<b>ERR4085</b>
Flasher unit;		
up to VIN LA (1994)		
2-pin	(1)	<b>GFU2124</b>
3-pin		
vehicles with towing socket	(1)	<b>PRC8876</b>
VIN MA (1995) on - 3-pin		
vehicles with towing socket	(1)	<b>PRC8876</b>
without towing socket	(1)	<b>YWT10003</b>

### Electronic Control Units (ECUs)

ECU;		
ABS & traction control	(1)	<b>SRD000110</b>
<i>VIN XA159807 on.</i>		
EGR - 300Tdi		
up to VIN MA970541	(1)	<b>ERR6233</b>
VIN MA970542 on	(1)	<b>ERR5033</b>
fuel control - V8 efi & Td5		<i>Please enquire</i>
one-touch rear fog lamp	(1)	<b>YWC104430L</b>
<i>VIN VA104806 on.</i>		



## Instruments

Speedometer;		
MPH - except 50th Anniversary	(1)	<b>PRC7373</b>
KPH - except 50th Anniversary	(1)	<b>PRC7374</b>
Speedo' cable;		
2-piece cable		
4 cylinder engines - to VIN 268134		
upper cable	(1)	<b>PRC5567</b>
lower cable	(1)	<b>PRC5663</b>
V8 - to VIN268016		
upper cable - RHD & LHD	(1)	<b>PRC5567</b>
lower cable		
- RHD	(1)	<b>PRC5664</b>
- LHD	(1)	<b>PRC5662</b>
1-piece cable		
4 cylinder engines		
RHD	(1)	<b>PRC6022</b>
LHD	(1)	<b>PRC6021</b>
V8		
RHD	(1)	<b>PRC6023</b>
LHD	(1)	<b>PRC6021</b>

Bulb - speedo	(a/r)	<b>AMR3339</b>
Gauges;		
temperature		
up to VIN WA159806 (1998)	(1)	<b>AMR2631</b>
VIN XA159807 (1999) on	(1)	<b>YAD100900</b>
fuel		
up to VIN WA159806 (1998)	(1)	<b>PRC7313</b>
VIN XA159807 (1999) on	(1)	<b>YAD100910</b>
ammeter	(1)	<b>PRC7315</b>
Clock;		
rectangular	(1)	<b>PRC4370</b>
Up to VIN LA936689 (1994).		
round		
up to VIN WA159806 (1998)	(1)	<b>AMR3443</b>
VIN XA159807 (1999) on	(1)	<b>YFB100390</b>
Bulb - gauges	(a/r)	<b>RTC3635</b>
Holder - bulb	(a/r)	<b>YAJ100390</b>

## Radio Aerial

Aerial - manually retractable;		
up to WA138479 (1998)	(1)	<b>AMR3418</b>
VIN WA138480 on	(1)	<b>PRC4336</b>

## Battery & Fittings

Please note, batteries are not available mail order - counter collection only.

Battery;		
90		
petrol		
standard (& split charge)	(1)	<b>STC8268</b>
heavy duty	(1)	<b>STC8267</b>
diesel (except Td5)		
standard	(1)	<b>STC8267</b>
heavy duty (dry)	(1)	<b>STC8271</b>
110		
petrol	(1)	<b>STC8268</b>
diesel (except Td5)		
standard (& split charge)	(1)	<b>STC8267</b>
heavy duty (dry)	(1)	<b>STC8271</b>
Td5 (all models)	(1)	<b>YGD100860</b>
Alarm remote battery	(1)	<b>YWK10003L</b>

## Fuses

Fuses - glass type (pack of 5);		
5 AMP	(a/r)	<b>GFS3005</b>
10 AMP	(a/r)	<b>GFS3010</b>
15 AMP	(a/r)	<b>GFS3015</b>
20 AMP	(a/r)	<b>GFS3020</b>
25 AMP	(a/r)	<b>GFS3025</b>
35 AMP	(a/r)	<b>GFS3035</b>
50 AMP	(a/r)	<b>GFS3050</b>
In-line Fuse Holder (15AMP)	(1)	<b>UKC4446</b>
Fuses - plastic blade type (pack of 5);		
3 amp	(1)	<b>GFS3103</b>
5 amp	(1)	<b>GFS3105</b>
7.5 amp	(1)	<b>GFS3107</b>
10 amp	(1)	<b>GFS3110</b>
15 amp	(1)	<b>GFS3115</b>
20 amp	(1)	<b>GFS3120</b>
25 amp	(1)	<b>GFS3125</b>
30 amp	(1)	<b>GFS3130</b>
Fuse extractor - blade type	(1)	<b>PRC4412</b>



## Chassis Repair Sections

Front section - chassis rails;		
rh	(1)	<b>STC8652</b>
lh	(1)	<b>STC8653</b>
Spring seat;		
front		
rh	(1)	<b>STC8693</b>
lh	(1)	<b>STC8608</b>
rear (not handed)		
90	(2)	<b>STC8610</b>
110 & 130	(2)	<b>STC8609</b>
Outrigger;		
front		
rh	(1)	<b>STC8354</b>
lh	(1)	<b>STC8355</b>
rear		
90		
rh	(1)	<b>STC8648</b>
lh	(1)	<b>STC8649</b>
110 (not handed)	(2)	<b>STC8356</b>
Radius arm mounting;		
front		
rh	(1)	<b>STC8604</b>
lh	(1)	<b>STC8605</b>
rear		
rh	(1)	<b>STC8606</b>
lh	(1)	<b>STC8607</b>
Crossmember - rear;		
up to VIN WA159806		
90	(1)	<b>STC8650</b>
110/130	(1)	<b>STC8651</b>
VIN XA159807 on - all models	(1)	<b>KVT000020</b>

## Bulkhead

For price & availability of bulkhead/dash panels, please contact our sales department, quoting relevant vehicle details, such as year, chassis number, RHD or LHD and air con/non air con.

Seal - bulkhead;		
dash drain channel	(1)	<b>MWC2567</b>
vent panel	(2)	<b>MUC4299</b>

**REAR  
CROSSMEMBER**



## Bonnet Assembly

Bonnet;		
up to VIN LA939975 (1994)	(1)	<b>RTC6213</b>
VIN MA939976 (1995) to VIN WA159806		
without spare wheel carrier	(1)	<b>ALR5835</b>
with spare wheel carrier	(1)	<b>ALR6107</b>
<i>Not Td5.</i>		
VIN XA159807 on		
<i>Without spare wheel carrier.</i>		
all models except TD5	(1)	<b>ALR7544</b>
Td5 only	(1)	<b>BKA710080</b>
Hinge - bonnet	(2)	<b>AHU710010</b>
Bush - bonnet hinge	(2)	<b>346849</b>
<i>All models.</i>		
Seal bonnet rear	(1)	<b>MWC2567</b>
Cable - bonnet release;		
all models except V8 efi		
up to VIN TA977536	(1)	<b>ALR9556</b>
VIN TA977537 on	(1)	<b>ASR1457</b>
V8 efi	(1)	<b>ALR9555</b>

## Front Grille Mounting Panel

See **Body Fittings** (next section) for Front Grille.

Mounting panel - front grille;		
non air con vehicles		
external-opening bonnet		
radiator-mounted oil cooler	(1)	<b>MTC4837</b>
separate/no oil cooler	(1)	<b>MTC1810</b>
cable-opening bonnet		
up to VIN HA (1991)	(1)	<b>MWC2926</b>
VIN JA ('92) on, except Td5	(1)	<b>ASJ710050</b>
Td5 only	(1)	<b>ASJ710040</b>
vehicles with air con		
all on except V8 efi	(1)	<b>ASJ710010</b>
V8 efi only	(1)	<b>ASR1772</b>

## Front Wings

Front wing upper assembly;  
*The front wing upper assembly comprises the wing top (rh or lh), plus headlamp outer and inner mounting panels (less plastic finisher). The side (wheelarch) panel is a separate item (see below).*

up to VIN LA (1994)		
rh	(1)	<b>MXC9343</b>
lh	(1)	<b>MXC9402</b>
VIN MA (1995) to WA159806		
<i>All models except V8 efi - see below for V8 efi.</i>		
rh	(1)	<b>ALR9936</b>
lh	(1)	<b>ALR9935</b>
VIN XA159807 on		
<i>All models except V8 efi - see below for V8 efi.</i>		
rh	(1)	<b>ASB710200</b>
lh	(1)	<b>ASB710210</b>
V8 efi		
rh	(1)	<b>ASR1876</b>
lh	(1)	<b>ASR1877</b>
Side panel - front wing;		
up to VIN LA (1994)		
all petrol models		
<i>Including V8.</i>		
rh	(1)	<b>RTC6351</b>
lh	(1)	<b>RTC6350</b>
2.5 NA diesel		
rh	(1)	<b>RTC6351</b>
lh	(1)	<b>RTC6350</b>
2.5 TD		
rh	(1)	<b>RTC6351</b>
lh	(1)	<b>RTC6352</b>
VIN MA (1995) to WA159806		
all petrol models except V8 efi		
rh	(1)	<b>ALR6678</b>
lh	(1)	<b>ALR6121</b>
V8 efi		
rh	(1)	<b>ASB710040</b>
lh	(1)	<b>ASB710050</b>
2.5 NA diesel		
rh	(1)	<b>ALR6678</b>
lh	(1)	<b>ALR6121</b>
Tdi		
without air con		
- rh	(1)	<b>ALR6122</b>
- lh	(1)	<b>ALR6121</b>
with air con		
- rh	(1)	<b>ALR6678</b>
- lh	(1)	<b>ALR6677</b>
VIN XA159807 on		
all petrol models		
rh	(1)	<b>ASB710280</b>
lh	(1)	<b>ASB710270</b>
all diesel models		
rh	(1)	<b>ASB710260</b>
lh	(1)	<b>ASB710270</b>
Headlamp panel - outer - front wing;		
up to VIN LA939975 (1994)		
rh	(1)	<b>RTC6353</b>
lh	(1)	<b>RTC6354</b>
VIN MA939976 (1995) to WA159806		
rh	(1)	<b>ALR5990</b>
lh	(1)	<b>ALR5989</b>
VIN XA159807 on		
rh	(1)	<b>ASW710140</b>
lh	(1)	<b>ASW710150</b>
Headlamp panel - inner - front wing;		
up to VIN LA939975 (1994)		
rh	(1)	<b>MTC2062</b>
lh	(1)	<b>MTC2063</b>
VIN MA939976 (1995) to WA159806		
rh	(1)	<b>ALR5324</b>
lh	(1)	<b>ALR5323</b>
VIN XA159807 on		
rh	(1)	<b>ASW710120</b>
lh	(1)	<b>ASW710130</b>



## Inner Wing/Wheelarch

Please contact our sales department for price & availability of front inner wing/wheelarch panels, stating the model, year and chassis number of your vehicle.

## Rear Wings

Rear wings are available as a complete side assembly, which includes the wheel box (inside panel), or as a separate outer panel only. Please contact our sales department for price & availability of the panel you require, stating the model, year, chassis number and any other relevant information (eg. soft top vehicles have rope cleats on the outer wing panel).

## Rear End/Lamp Panel

Please contact our sales department for price & availability of rear end/lamp panels, stating the model, year and chassis number of your vehicle.



## Doors

See **Body Fittings** section for door trims, seals, hinges etc.

Door shell - front - all models;

up to VIN AA270226  
Lever-style door handles.

rh (1) **STC542**  
lh (1) **STC543**

VIN AA270227 on  
Push-button door handles.

rh (1) **BDA710020**  
lh (1) **BDA710030**

Door shell - rear;

rh (1) **BFL710020**  
lh (1) **BFL710030**

## Tailgate/Rear Load Door

See **Body Fittings** section for tailgate trim, including glass.

Tailgate/rear load door;

with spare wheel carrier  
up to VIN AA241999 (1) **RTC6247**  
VIN AA242000 to EA358392 (1) **RTC6266**  
VIN FA358393 to KA929577 (1) **STC1423**  
VIN KA929578 on (1) **ALR6851**  
without spare wheel carrier  
up to VIN AA241999 (1) **RTC6248**  
VIN AA242000 to KA929577 (1) **STC1424**  
VIN KA929578 on (1) **ALR6852**

## Lower Tailgate - Soft-Tops

Lower tailgate assembly;

lower hinged - downward opening  
chain retained (1) **320604**  
cable retained (1) **MUC8736**  
side hinged - outward opening  
with spare wheel carrier (1) **ALR7259**  
less spare wheel carrier (1) **RTC6279**

## Sill Panels

Sill panel;  
front

all models except 90 SV & V8 efi  
rh (1) **RTC6205**  
lh (1) **RTC6206**  
90 SV & V8 efi models  
rh (1) **ALR3362**  
lh (1) **ALR3363**

rear

90  
rh (1) **MTC8292**  
lh (1) **MTC8293**  
110 - Station Wagon  
rh (1) **RTC6209**  
lh (1) **RTC6210**  
110 - regular models (without rear doors)  
rh (1) **MRC5049**  
lh (1) **MRC5050**  
130  
rh (1) **ALR9812**  
lh (1) **ALR9813**



## Floor Panels

Floor panel - main;  
4 cylinder petrol engines

rh (1) **MRC9720**  
lh (1) **MTC2248**

2.5 NA diesel  
rh (1) **MRC9720**  
lh (1) **MTC2248**

2.5 TD  
rh (1) **MRC9720**  
lh (1) **MTC2248**

Tdi & Td5  
rh (1) **ALR1742**  
lh (1) **ALR1743**

V8 engines  
with LT85 gearbox  
rh (1) **MUC1228**  
lh (1) **MUC1227**

with LT77 gearbox  
rh (1) **ALR1742**  
lh (1) **ALR1743**

Floor panel fixings;  
screw - M6 x 20 pan head (4) **SE106201L**  
bolt - pan head (a/r) **320045**  
screw - self tapping (4) **GUF430**  
Lokut nut - floor fixing (4) **CZA4705L**  
Nylon insert for self-tapping screws.  
Spiralok nut (a/r) **AL614011**



## Radiator Grille

Radiator grille  
Supplied in black.

(1) **ALR8765PUC**



**BUMPER  
END CAP**

## Bumpers

See also 'Accessories'.

Front bumper - standard;

up to VIN EA314291 (1987) (1) **NRC9211**

Galvanized (silver).

VIN EA314292 on (1) **DPB104270**

Black finished.

Winch bumper;

Front bumper incorporating winch frame. Suitable for the following winches: Warn 6000 & 8000 M & MX series, Warn XD9000, Superwinch X6 CD & X9, T-Max (see Winches in Accessories section).

Incorporates jacking points.

Available in black nylon or galvanised finish.

black nylon coated (1) **LL1134**

galvanised (1) **LL1135**

Bolt - front bumper;

zinc plated (4) **BH110261L**

black (4) **NTC5401**

Threaded retainer plate - bumper (2) **ALQ710020**

End cap - front bumper (2) **DPT100070**

Fitted from VIN WA but can be fitted to earlier vehicles.

Fastener - end cap (8) **DZM100080**



**BUMPERETTES**

Bumperette;

front - galvanised (2) **RTC4769**

rear

rh (1) **RRC2970**

lh (1) **RRC2971**

Towing ring - front (optional) (2) **559882**

Recovery ring - rear (optional) (1) **NRC5396**

Spacer - recovery ring (1) **562756**

Nut - recovery ring (4) **NH116041**



**RECOVERY RING AND TOWING EYE**

## Windscreen

Windscreen;

Windscreens are available for collection only.

non-heated

clear (1) **MTC2864**

tinted (green) (1) **MTC3452**

heated

clear (1) **CMB000420**

tinted (green) (1) **CMB000410**

Seal - windscreen;

windscreen surround (1) **MUC3733**

frame base (1) **FAJ100020**

frame top to roof

inner (1) **MTC4994**

outer (1) **MTC6568**

## Side & Rear Windows

Side window assembly - sliding - individual;  
Complete assembly including frames, seals, glass and fittings.

Original equipment.

Station Wagon

rh (1) **MWC4734**

lh (1) **MWC4735**

hard top

up to VIN KA930143 (1993)

rh (1) **ALR5080**

lh (1) **ALR5081**

from VIN KA930144

rh (1) **ALR5080**

lh (1) **ALR5081**

Side window kit - sliding;

Pair of sliding windows.

90 (1) **LL1136**

110 (1) **LL1137**

Glass only - sliding side windows;

Station Wagon

front (2) **MUC3791**

rear (2) **MUC3792**

hard top - all models (4) **MWC4726**

Side windows - fixed (1) **LL1138**

Pair of fixed side windows suitable for 90 or 110.

Rear windows (either side of tailgate);

up to VIN EA3441878 (1987) - 5mm

clear (2) **MTC3476**

tinted (2) **MTC5034**

VIN EA344188 on - 4mm

clear (2) **MWC4715**

tinted (2) **MWC4716**

Seal - rear window;

5mm glass (2) **306287**

4mm glass (2) **MWC4772**

Filler strip - seal (2) **306289**



**FIXED SIDE WINDOW**



**SLIDING WINDOW**



**ALPINE WINDOW**

## Alpine Windows

Alpine (roof-side) window;

up to VIN EA344187 (1987) (2) **MTC3474**

5mm thick glass.

VIN EA344188 on (2) **MWC4714**

4mm thick glass.

Seal - alpine windows;

5mm glass (2) **302177**

4mm glass (2) **MWC4771**

Filler strip - seal - alpine windows(2) **302178**

## Door Glass

Door glass - front;

up to VIN EA344187 (1987)

5mm thick glass.

clear (2) **MTC7825**

tinted (green) (2) **MTC7826**

VIN EA344188 to VIN LA932528 (1994)

4mm thick glass.

clear (2) **MWC4720**

tinted (green) (2) **MWC4721**

VIN LA932529 to YA999999

clear

rh (1) **ALR4773**

lh (1) **ALR4771**

tinted (green)

rh (1) **ALR4774**

lh (1) **ALR4772**

VIN 2A622424 on

clear

rh (1) **CUB000060**

lh (1) **CUB000070**

tinted (green)

rh (1) **CUB000040**

lh (1) **CUB000050**

Door glass - rear side - opening;

up to VIN EA344754 (1987)

5mm thick glass.

clear (2) **MTC7828**

tinted (green) (2) **MTC7829**

VIN EA344755 to VIN LA932486 (1994)

4mm thick glass.

clear (2) **MWC4722**

tinted (green) (2) **MWC4723**

VIN LA932487 on

clear

rh (1) **ALR4777**

lh (1) **ALR4775**

tinted (green)

rh (1) **ALR4778**

lh (1) **ALR4776**

Door glass - rear quarter;

up to VIN EA344754 (1987)

5mm thick glass.

clear (2) **MTC8460**

tinted (green) (2) **MTC8461**

VIN EA344755 on

4mm thick glass.

clear (2) **MWC4724**

tinted (green) (2) **MWC4725**

**TO ORDER CALL 01522 568000**



**WINDOW REGULATOR & HANDLE**

**Window Regulators**

Window regulator - front;			
up to VIN LA932528 (1994) - manual			
rh	(1)	<b>MUC3024</b>	
lh	(1)	<b>MUC3025</b>	
VIN LA932529 to YA999999 - manual			
rh	(1)	<b>ALR4533</b>	
lh	(1)	<b>ALR4532</b>	
VIN 2A622424 on			
manual			
rh	(1)	<b>CUH000100</b>	
lh	(1)	<b>CUH000110</b>	
electric			
rh	(1)	<b>CUH000080</b>	
lh	(1)	<b>CUH000090</b>	
rear			
up to VIN LA932486 (1994)			
rh	(1)	<b>MUC3026</b>	
lh	(1)	<b>MUC3027</b>	
VIN LA932487 on			
rh	(1)	<b>ALR4535</b>	
lh	(1)	<b>ALR4534</b>	
Handle - window regulator;			
front			
up to VIN LA932528 (1994)(2) <b>RTC3939PA</b>			
VIN LA932529 on (2) <b>DBP6287PMA</b>			
rear - all models (2) <b>DBP6287PMA</b>			

**Tailgate Glass**

Tailgate glass;			
unheated			
up to VIN EA344187 (1987)			
<i>5mm thick glass.</i>			
clear	(1)	<b>MTC3469</b>	
tinted (green)		<i>use</i> <b>MTC8951</b>	
VIN EA344189 on - clear	(1)	<b>MWC4712</b>	
<i>4mm thick glass.</i>			
heated & tinted			
up to VIN EA344187 (1987) (1) <b>MTC8951</b>			
<i>5mm thick glass.</i>			
VIN EA344189 on	(1)	<b>MWC4713</b>	
<i>4mm thick glass.</i>			
for high level stop-lamp	(1)	<b>CQB101560</b>	
<i>VIN WA138480 on.</i>			
Glazing strip - tailgate glass	(a/r)	<b>78159</b>	

**Sunroof Assembly**

Sunroof kit - glass (1) **AWR2738**  
 Complete kit to fit a sunroof to your Land Rover.  
 For parts to repair your existing (factory-fitted) sunroof,  
 please contact our Sales Department, quoting your vehicle's  
 VIN number.



**Body Cappings & Corner Finishers**

Capping - rear body tub - main;			
90			
<i>Vehicles with centre bulkhead.</i>			
<i>Supplied as one complete section, including corners.</i>			
rh	(1)	<b>MXC5978</b>	
lh	(1)	<b>MXC5979</b>	
110 - regular models (1-piece capping)			
up to VIN LA(1994)			
rh	(1)	<b>MWC2120</b>	
lh	(1)	<b>MWC2121</b>	
VIN MA (1995) on			
rh	(1)	<b>MXC5973</b>	
lh	(1)	<b>MXC5974</b>	
110 Station Wagon - 2-piece capping			
up to VIN EA314075(1987)			
rh	(1)	<b>MWC4502</b>	
lh	(1)	<b>MWC4501</b>	
VIN EA314076 on			
rh	(1)	<b>MWC4662</b>	
lh	(1)	<b>MWC4663</b>	
110 Station Wagon - 1-piece capping			
up to VIN WA138479			
rh	(1)	<b>MXC5968</b>	
lh	(1)	<b>MXC5969</b>	
VIN WA138480 on			
rh	(1)	<b>ASR1390</b>	
lh	(1)	<b>ASR1391</b>	
Corner - rear body tub - corners;			
90 - up to Dec 1989			
rh	(1)	<b>MWC3316</b>	
lh	(1)	<b>MWC3317</b>	
110 Station Wagon			
rh	(1)	<b>MWC3316</b>	
lh	(1)	<b>MWC3317</b>	
Finisher - rear corners;			
90			
up to VIN LA (1994)			
rh	(1)	<b>MXC8934</b>	
lh	(1)	<b>MXC8935</b>	
VIN MA on			
rh	(1)	<b>AQL710021</b>	
lh	(1)	<b>AQL710031</b>	
110 - regular models			
rh	(1)	<b>AQL710021</b>	
lh	(1)	<b>AQL710031</b>	
110 - Station Wagon			
up to VIN LA (1994)			
rh	(1)	<b>MXC8934</b>	
lh	(1)	<b>MXC8935</b>	
VIN MA on			
rh	(1)	<b>AQL710021</b>	
lh	(1)	<b>AQL710031</b>	



**WHEELARCH EYEBROW**

**Wheelarch Eyebrows**

Eyebrow - wheelarch;  
 Supplied in either matt black (unpainted) or primed, ready  
 for painting in your vehicle's colour.

front

matt black

rh	(1)	<b>MRC9378</b>
lh	(1)	<b>RRC3044</b>

primer

rh	(1)	<b>MTC6874P</b>
lh	(1)	<b>MTC6875P</b>

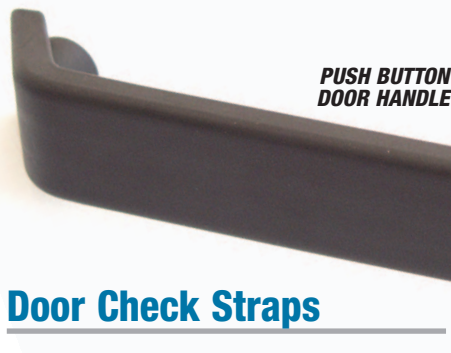
rear - primer finish only (2) **AL0710020P**

Rivet - eyebrow retaining (a/r) **AFU1075**



## Door Fittings

Hinge assembly - door;		
front upper		
up to VIN VA138479		
rh	(1)	<b>MXC8284</b>
lh	(1)	<b>MXC8285</b>
VIN WA138480 on		
rh	(1)	<b>BDB710160</b>
lh	(1)	<b>BDB710170</b>
front lower		
up to VIN VA138479		
rh	(1)	<b>MXC8282</b>
lh	(1)	<b>MXC8283</b>
VIN WA138480 on		
rh	(1)	<b>BDB710180</b>
lh	(1)	<b>BDB710190</b>
rear door (side) - upper & lower		
up to VIN VA138479		
rh	(1)	<b>MXC8282</b>
lh	(1)	<b>MXC8283</b>
VIN WA138480 on		
rh	(1)	<b>BDB710180</b>
lh	(1)	<b>BDB710190</b>
tailgate		
upper	(1)	<b>BHB710051</b>
lower/middle	(2)	<b>BHB710061</b>
Bolt - door hinge;		
side doors		
hinge to pillar		
cross-head - 5/16" UNF(a/r)		<b>ASR1603</b>
Torx drive - M8	(a/r)	<b>BYG100150L</b>
hinge to door		
cross-head - 5/16" UNF(a/r)		<b>ASR1603</b>
Torx drive - M8	(a/r)	<b>BYG100140L</b>
tailgate		
pan head		
long	(a/r)	<b>SE108501</b>
short	(a/r)	<b>SE108251</b>
Torx-drive		
long	(a/r)	<b>BYG000070</b>
short	(a/r)	<b>BYG000060</b>
Nut - hinge bolt;		
5/16" UNF	(a/r)	<b>GHF201</b>
M8	(a/r)	<b>NY108041L</b>



## Door Check Straps

Check strap - door;		
front		
up to VIN AA303555		
rh	(1)	<b>MUC1888</b>
lh	(1)	<b>MUC1889</b>
VIN AA303556 on		
rh	(1)	<b>ALR2321</b>
lh	(1)	<b>ALR2322</b>
rear (side door)		
up to VIN DA314368 (1987)		
rh	(1)	<b>MWC1838</b>
lh	(1)	<b>MWC1837</b>
VIN EA314369 on		
rh	(1)	<b>BFH710020</b>
lh	(1)	<b>BFH710030</b>
tailgate		
up to VIN AA241999	(1)	<b>333041</b>
lever type	(1)	<b>MUC4471</b>
torsion bar type	(1)	<b>ASR1018</b>

## DOOR & TAILGATE HINGES

## Door Handles

Door handle - outer;		
front - lever type handle		
up to VIN AA242961		
rh	(1)	<b>MUC2290</b>
lh	(1)	<b>MUC2291</b>
VIN AA242962 to 270226		
rh	(1)	<b>MUC6979</b>
lh	(1)	<b>MUC6980</b>
front - push-button handle		
VIN AA270227 to ZA999999		
rh	(1)	<b>MXC7652</b>
lh	(1)	<b>MXC7651</b>
VIN 2A622424 on		
rh	(1)	<b>CXB000030PMA</b>
lh	(1)	<b>CXB000020PMA</b>
rear side door - all models		
rh	(1)	<b>MXC2728</b>
lh	(1)	<b>MXC2729</b>
tailgate	(1)	<b>FQJ103840</b>

## Door Locks & Keys

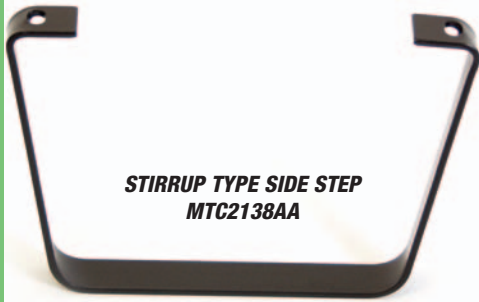
Door lock (all supplied with 2 keys);		
1 barrel	(1)	<b>RTC3022</b>
2 barrel	(1)	<b>MTC6503</b>
3 barrel	(1)	<b>MTC6504</b>
4 barrel	(1)	<b>MTC6505</b>

## Door Seals

Seal - door aperture (OE);		
front door		
rh	(1)	<b>CFE102980</b>
lh	(1)	<b>CFE102990</b>
rear side door		
rh	(1)	<b>CFE103000</b>
lh	(1)	<b>CFE103010</b>
tailgate		
up to VIN XA167599	(1)	<b>ALR4929</b>
VIN XA167600 on	(1)	<b>CKE101120</b>
Seal - door sill (OE);		
front door		
up to VIN LA933876	(2)	<b>MWC6130</b>
VIN LA933877 on	(2)	<b>ALR6250</b>
rear side door		
up to VIN LA933876		
rh	(1)	<b>MWC6128</b>
lh	(1)	<b>MWC6129</b>
VIN LA933877 on	(2)	<b>ALR6251</b>
tailgate	(1)	<b>ALR4770</b>
Waist seal - door (OE);		
front door		
inner	(2)	<b>MTC8473</b>
outer	(2)	<b>ALR5980</b>
rear side door		
inner	(2)	<b>MWC1900</b>
outer		
rh	(1)	<b>ALR5982</b>
lh	(1)	<b>ALR5981</b>



DESCRIPTION QTY REQ. PART No.



**STIRRUP TYPE SIDE STEP  
MTC2138AA**

## Side Steps

Side step;

stirrup type (each) (a/r) **MTC2138AA**  
 folding step type (each) (a/r) **STC7631**  
 running board type  
 90

black (pair) (1) **STC8438AA**  
 stainless steel (pair) (1) **STC50141**  
 chequer plate (pair) (1) **LL1257**  
*Aftermarket side steps with black nylon coated,  
 tubular steel edge and chequer plate tread plate.*

Tomb Raider (not shown)  
 - rh (1) **STC61858**  
 - lh (1) **STC61859**

Raider bar (pair) (1) **LL1313**  
*Tube style aftermarket side steps, black nylon  
 coated, with chequer plate top edge.*

110  
 black (pair) (1) **STC8015AA**  
 stainless steel (pair) (1) **LL1258**  
*Aftermarket side steps.*

chequer plate (pair) (1) **LL1259**  
*Aftermarket side steps with black nylon coated,  
 tubular steel edge and chequer plate tread plate.*

Tomb Raider (not shown)  
 - rh (1) **STC61860**  
 - lh (1) **STC61861**

Raider bar (pair) (1) **LL1314**  
*Tube style aftermarket side steps, black nylon  
 coated, with chequer plate top edge.*

Bracket - support - folding step (a/r) **MXC1624**

DESCRIPTION QTY REQ. PART No.



**SIDE RUNNING BOARDS -  
BLACK**



**SIDE RUNNING BOARDS -  
STAINLESS STEEL**



**SIDE RUNNING BOARDS -  
CHEQUER PLATE**



**RAIDER BAR SIDE STEPS**

DESCRIPTION QTY REQ. PART No.



**FOLDING  
REAR STEP  
STC7632**

## Rear Step

Rear step;

folding type (1) **STC7632**  
 retractable (1) **MTC3085**  
 tow bar-mounted (1) **LL1256**

*Heavy gauge, plated steel. Bolts directly to  
 crossmember.*

fixed, full-width type - less tread plate  
*Not shown.*

Defender 50/Tomb Raider 90(1) **STC50269**

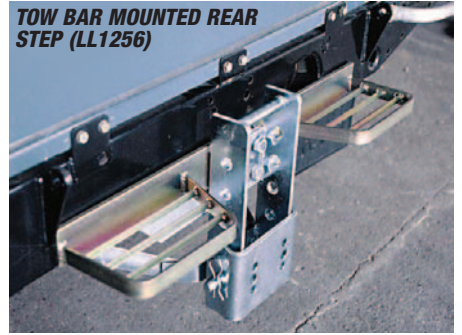
Tomb Raider 110 (1) **STC50301**

Tread plate - fixed rear step  
*Chequer-plate. Not shown.*

50th Anniversary (1) **STC60168**

Tomb Raider (1) **STC61868**

## TOW BAR MOUNTED REAR STEP (LL1256)



**FOLDING SIDE STEP  
STC7631P**



**OE. FOLDING SIDE STEP (STC7631)  
& SUPPORT BRACKET (MXC1624)**



**DOOR MIRROR  
& ARM**

## Door Mirrors

Mirror head;

original equipment  
 convex mirror (2) **MTC5084**  
 flat mirror (2) **STC3213**

aftermarket  
 7" x 5" (178mm x 127mm) (2) **LL1139**  
 10" x 7" (254mm x 178mm) (2) **LL1140**

Glass only - original equipment mirror;

convex (2) **RTC4341**  
 flat (2) **AWR6874**

Mirror arm (2) **MTC5083**

Fixing screw - mirror arm (4) **SE604077**

Mirror assembly - complete (2) **LL1141**

*Complete mirror and arm assembly for 90/110.*

## Badges & Transfers



Front badge - upper grille panel;  
90

up to VIN FA414686 (1) **MTC8305**  
'LAND ROVER 90', silver on black background.

VIN FA414687 to GA455945 (1) **MXC6396**  
'90', silver on black background.

VIN HA455946 (1991) on (1) **BTR1045**  
'DEFENDER', silver on black background.

110  
up to VIN FA414615 (1) **MUC2003**  
'LAND ROVER 110', silver on black background.

VIN FA414616 to GA455945 (1) **MXC6397**  
'110', silver on black background.

VIN HA455946 (1991) on (1) **BTR1045**  
'DEFENDER', silver on black background.

130  
VIN FA414616 on (1) **MXC6398**  
'127', silver on black background.



'LAND ROVER' oval badge;  
grille

up to VIN VA138479 (1) **MXC6402**  
'LAND ROVER' in silver.

VIN WA138480 On (1) **DAS100150**  
'LAND ROVER' in gold.

rear (self-adhesive)  
up to VIN GA455945 (1990) (1) **MXC6401**  
'LAND ROVER', silver on black.

VIN HA455946 to VA138479 (1) **BTR1047**  
Gold on green background.

VIN WA138480 on (1) **DAH100680**  
Gold.



DEFENDER  
90

DEFENDER  
90

DEFENDER  
90

DEFENDER  
110

DEFENDER  
110

DEFENDER  
110

Rear badge - model designation;  
90

VIN HA455946 to HA906578 (1) **BTR1048**  
'DEFENDER 90', silver on clear background.

VIN JA (1992) on (1) **BTR2981LVA**  
'DEFENDER 90', light grey on clear background.

VIN 1A600725 on (1) **BTR2981LYV**  
'DEFENDER 90', black.

110 - 'DEFENDER 110'  
silver on clear background (1) **BTR1049**

light grey  
on clear background (1) **BTR2982LVA**  
black (1) **BTR2982LYV**

Td5

Td5

Td5

'Td5' badge;

silver (2) **DAF105360MMG**

black (2) **DAF105360LYV**

dark grey-moulded plastic (2) **DAM100750LQQ**

3.5 LITRE

3.9 LITRE

4.6 LITRE

V8

Transfers;  
Not original Land Rover fitment.

'3.5 LITRE' - each

black	(2)	<b>RB7263B</b>
gold	(2)	<b>RB7263G</b>
silver	(2)	<b>RB7263S</b>

'3.9 LITRE' - pair

black	(1)	<b>RB7498 3.9B</b>
gold	(1)	<b>RB7498 3.9G</b>
silver	(1)	<b>RB7498 3.9S</b>
red	(1)	<b>RB7498 3.9R</b>

'4.6 LITRE' - pair

black	(1)	<b>RB7498 4.6B</b>
gold	(1)	<b>RB7498 4.6G</b>
silver	(1)	<b>RB7498 4.6S</b>

'V8' - each

black	(2)	<b>RB7306B</b>
gold	(2)	<b>RB7306G</b>
silver	(2)	<b>RB7306S</b>



V8 chrome badge (2) **BRC6484**  
Adhesive-backed badge. Not original Land Rover fitment.



## Body Graphics

Please contact our sales department for price & availability of body side graphics and transfers, quoting the relevant information about your vehicle (exact model, colour, VIN number etc).



DESCRIPTION QTY REQ. PART No.



## Door Trim Panels

Door trim panel - aftermarket (1) **LL1142**  
 Replacement front door trim panel kit manufactured in ABS. For price & availability of OE door trim panels, please contact our sales department, remembering to quote exact vehicle details.

Clip - door trim panel; front  
 up to VIN AA271214 (8) **MUC3186**  
 VIN AA271215 to AA339423(24) **MWC1474**  
 VIN AA339424 on (24) **MXC1800**

Lock cover - tailgate; up to VIN AA271214 (1) **MTC1710**



## Seat Belts

Seat belt kit; front  
 all models except soft top (2) **XKC2528SA**  
 Aftermarket - 3 point inertia reel, black.

rear - outer - all 110/130 models (forward facing) inertia reel - OE (2) **BTR5779**  
 static - aftermarket (2) **LL1317**

rear - centre - lap belt static (forward facing) (1) **RS1394**  
 rear - inward - all 110 station wagon static - OE (inward facing) (a/r) **STC8888**

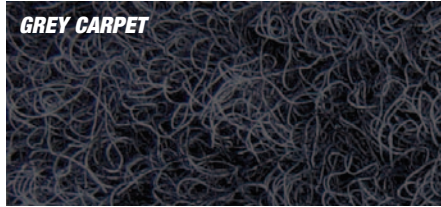


DESCRIPTION QTY REQ. PART No.



## Rear View Mirror

Rear view mirror; non dipping (1) **MRC9564**  
 dipping (1) **MTC6376**



## Carpets

Carpet set; front set (8 pieces) except 300Tdi & Td5  
 black (1) **LL1279Black**  
 grey (1) **LL1279Grey**

300Tdi  
 black (1) **LL1280Black**  
 grey (1) **LL1280Grey**

Td5  
 black (1) **LL1281Black**  
 grey (1) **LL1281Grey**

rear set - 90 (3 pieces)  
 black (1) **LL1282Black**  
 grey (1) **LL1282Grey**

## Floor Mats

Footwell mat (rubber) - OE; front - pair  
 up to VIN WA159806 (1998) (1) **RTC8098AB**  
 VIN XA159807 on (1999) (1) **STC50172**

middle footwell (110) - pair; up to VIN WA159806 (1998) (1) **RTC8099**  
 VIN XA159807 (1999) ON (1) **STC50173**

Floor mat set - aftermarket (1) **LL1143**  
 Pair of dark grey front footwell mats in waterproof carpet material, suitable for 90 & 110.



DESCRIPTION QTY REQ. PART No.



## Heated Seat Kit

Heated seat kit (pair) (1) **LL1151**  
 A DIY kit, with full instructions, to enable you to fit seat heaters to your Land Rover.



## Seat Re-Trim Kits

Re-trim kit for 90/110 front seats; We offer a range of DIY-fit re-trim kits for your original seats. They include covers and foams in a choice of trims to bring your worn-out seats back to life. Supplied per seat.

black vinyl (a/r) **LL1150BlackVinyl**  
 grey vinyl (a/r) **LL1150Grey**  
 Techno (a/r) **LL1150Techno**  
 black logo (a/r) **LL1150BlackLogo**

Seat foam only (90/110/130 outer front seats); Supplied individually.

base (a/r) **LL1276**  
 back (a/r) **LL1277**  
 headrest (a/r) **LL1278**

## Soundproofing Kits

Soundproofing kit (1) **LL1007**  
 All models. Pre-cut. Felt covering cab & under bonnet area. Peel back adhesive in appropriate areas.



## Replacement Seats

Replacement seat backs & bases - standard;  
Complete replacement seat backs & bases in a range of original trim.

### seat back

black vinyl		
rh	(1)	LL1271Black
lh	(1)	LL1272Black
grey vinyl		
rh	(1)	LL1271Grey
lh	(1)	LL1272Grey
Caviar		
rh	(1)	LL1271Caviar
lh	(1)	LL1272Caviar
Brushwood		
rh	(1)	LL1271Brushwood
lh	(1)	LL1272Brushwood
Neptune		
rh	(1)	LL1271Neptune
lh	(1)	LL1272Neptune
Moorland		
rh	(1)	LL1271Moorland
lh	(1)	LL1272Moorland
Smokestone		
rh	(1)	LL1271Smokestone
lh	(1)	LL1272Smokestone
Techno		
rh	(1)	LL1271Techno
lh	(1)	LL1272Techno

### seat base

black vinyl		
rh	(1)	LL1273Black
lh	(1)	LL1274Black
grey vinyl		
rh	(1)	LL1273Grey
lh	(1)	LL1274Grey
Caviar		
rh	(1)	LL1273Caviar
lh	(1)	LL1274Caviar
Brushwood		
rh	(1)	LL1273Brushwood
lh	(1)	LL1274Brushwood
Neptune		
rh	(1)	LL1273Neptune
lh	(1)	LL1274Neptune
Moorland		
rh	(1)	LL1273Moorland
lh	(1)	LL1274Moorland
Smokestone		
rh	(1)	LL1273Smokestone
lh	(1)	LL1274Smokestone
Techno		
rh	(1)	LL1273Techno
lh	(1)	LL1274Techno



### High Back front seats;

Complete replacement front seats for all models, in a choice of trim colours, with headrests. 30" high back. Supplied individually.

black vinyl	(a/r)	LL1144Black
Caviar	(a/r)	LL1144Caviar
Brushwood	(a/r)	LL1144Brushwood
Neptune	(a/r)	LL1144Neptune
Moorland	(a/r)	LL1144Moorland
Smokestone	(a/r)	LL1144Smokestone
Techno	(a/r)	LL1144Techno



### Middle row seats - 110;

High Back and Low Back seat in a choice of trims. These seats improve comfort and safety for your rear passengers and fit in the same way as the existing seats.

Low Back are useful for fitting in the rear centre, for improved rearward visibility for the driver.

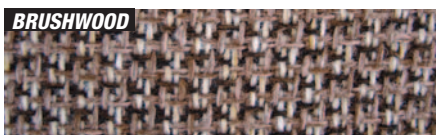
#### High Back

black vinyl	(a/r)	LL1148BlackVinyl
grey vinyl	(a/r)	LL1148Grey
Caviar	(a/r)	LL1144Caviar
Brushwood	(a/r)	LL1144Brushwood
Neptune	(a/r)	LL1144Neptune
Moorland	(a/r)	LL1144Moorland
Smokestone	(a/r)	LL1144Smokestone
Techno	(a/r)	LL1148Techno
black logo	(a/r)	LL1148BlackLogo

#### Low Back

(Only available in the following 4 trims).

black vinyl	(a/r)	LL1149BlackVinyl
grey vinyl	(a/r)	LL1149Grey
Techno	(a/r)	LL1149Techno
black logo	(a/r)	LL1149BlackLogo



### Rear bench seat;

Inward-facing bench seat in a choice of trim colours. Supplied complete with frame and fixings.

#### 90 (2 seater, 33" long)

black vinyl	(a/r)	LL1145Black
grey vinyl	(a/r)	LL1145Grey
Caviar	(a/r)	LL1145Caviar
Brushwood	(a/r)	LL1145Brushwood
Neptune	(a/r)	LL1145Neptune
Smokestone	(a/r)	LL1145Smokestone
Moorland	(a/r)	LL1145Moorland
Techno	(a/r)	LL1145Techno

#### 110 (3 seater, 48" long)

black vinyl	(a/r)	LL1275Black
grey vinyl	(a/r)	LL1275Grey
Caviar	(a/r)	LL1275Caviar
Brushwood	(a/r)	LL1275Brushwood
Neptune	(a/r)	LL1275Neptune
Moorland	(a/r)	LL1275Moorland
Smokestone	(a/r)	LL1275Smokestone
Techno	(a/r)	LL1275Techno



### Rear individual seats;

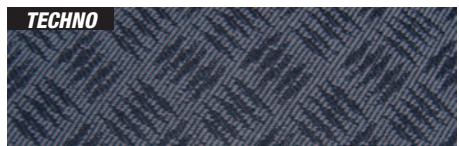
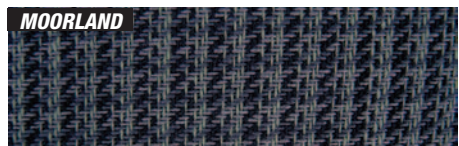
Available in either inward facing or forward facing versions. Supplied in a choice of trim colours, complete with fixings.

#### inward-facing

black vinyl	(a/r)	LL1146Black
grey vinyl	(a/r)	LL1146Grey
Moorland	(a/r)	LL1146Moorland
Techno	(a/r)	LL1146Techno

#### forward-facing

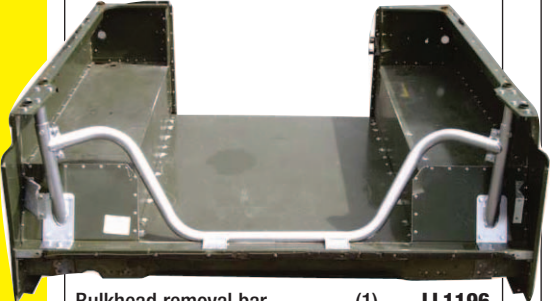
black vinyl	(a/r)	LL1147Black
grey vinyl	(a/r)	LL1147Grey
Moorland	(a/r)	LL1147Moorland
Techno	(a/r)	LL1147Techno





## ROLLOVER PROTECTION BARS

- Rollover bar (not shown);  
standard soft top models (1) **RRC3264**  
90 Sport & Eastnor LE  
main rollover bar (1) **STC7014**  
diagonal bar  
rh (1) **ALR7822**  
lh (1) **ALR7823**
- Fixings - rollover bar;  
standard models  
nut plate (2) **MTC5519**  
bolt - main bar (8) **BH110301L**  
bolt - diagonal bar to body (8) **BH110261L**
- 90 Sport & Eastnor LE  
nut plate (2) **MTC5519**  
screw (M10 x 25) (12) **ALR6871**



**Bulkhead removal bar (1) LL1196**  
*This bar replaces the centre bulkhead on 90" models, giving better front-to-rear access and more front legroom.*

**Front external bar (1) LL1195**  
*Suitable for all models, this is an aesthetic enhancement which bolts to the vehicle's bodywork, giving an aggressive appearance. Also suitable for mounting spotlights.*



## STYLING UPGRADES



- XS-style headlamp surround;**  
*Silver finished plastic with horn apertures.*  
rh (1) **DHH100780LQV**  
lh (1) **DHH100790LQV**
- XS-style bumper (1) LL1206**  
*Brushed stainless steel.*
- Clear indicators (2) XBD100670**
- Clear side repeaters;**  
up to '98 (2) **XGB000020**  
'98 on (2) **XGB100310L**

**TO ORDER CALL 01522 568000**

## NUDGE BARS



LL1198

**Nudge bar;**  
*All are black nylon coated, include mountings for spotlights and are suitable for all vehicles, including air conditioned.*

- for mounting to standard bumper**  
wraparound nudge bar  
with integral lamp guards(1) **LL1198**  
without lamp guards (1) **LL1199**
- flat nudge bar**  
with integral lamp guards(1) **LL1200**  
without lamp guards (1) **LL1201**  
fold-down type (1) **LL1202**  
*Hinged to fold down flat. Includes integral lamp guards.*
- for mounting to winch bumper(1) LL1203**  
*Without lamp guards.*



LL1200



LL1202



LL1203

## 'A' BARS

- 'A'-bar;**  
**for standard bumper**  
2" diameter. Fits to existing bumper mounting holes but requires 4 x extra holes to be drilled in the bumper for mounting.  
*Suitable for vehicles with air con. Includes mountings for spotlights.*
- black nylon coated (1) **LL1125**  
polished stainless steel  
with cross brace (1) **LL1125SS**  
plain (1) **LL1312**
- for winch bumper (1) LL1197**  
*Black nylon coated only.*



LL1125SS



LL1312



LL1197

**LAMP GUARDS**



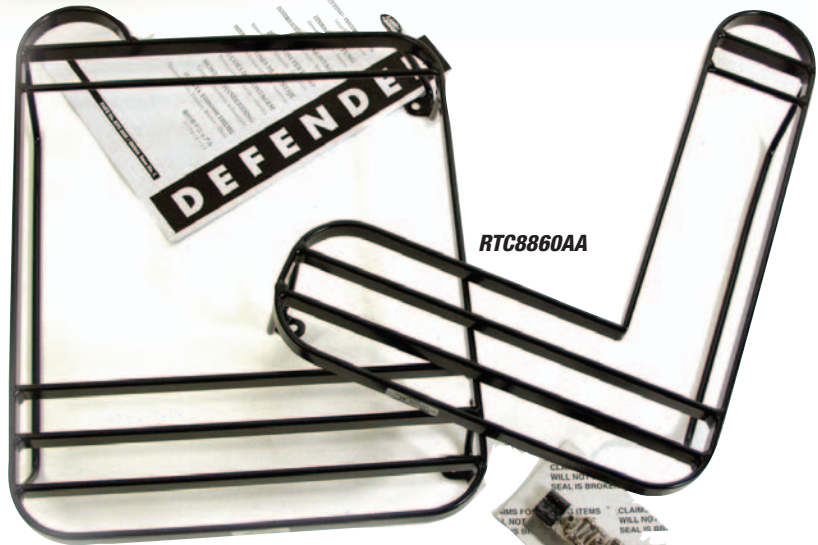
345985

Lamp guards - individual;  
Sold as pairs.  
front

- fixed (1) **345985**  
*Wire mesh guards, complete with fittings.*
- hinged (1) **RTC8969**
- rear - except HICAP.
- fixed (1) **RTC8064**  
*Individual mesh lamp guards.*
- hinged
- with rear-mounted spare (1) **RTC8860AA**
- without rear-mounted spare (1) **RTC8859AA**
- rear - HICAP pickup (1) **LL1204**



RTC8969



RTC8860AA



LL1205



RTC8064



LL1205

Lamp guards - vehicle set;  
High quality aftermarket front and rear lamp guard set.  
Front guards are hinged. Available in black nylon coated finish or stainless steel.  
Please note, not suitable for use with swingaway spare wheel carrier.

- black nylon coated (1) **LL1205**
- stainless steel (1) **LL1205SS**



STC7561

Headlamp protectors - acrylic (1) **STC7561**  
All models - pair.

## SIDE STEPS



Side step;  
 stirrup type (each) (a/r) **MTC2138AA**  
 folding step type (each) (a/r) **STC7631**  
 running board type  
 90

black (pair) (1) **STC8438AA**  
 stainless steel (pair) (1) **STC50141**  
 chequer plate (pair) (1) **LL1257**  
*Aftermarket side steps with black nylon coated,  
 tubular steel edge and chequer plate tread plate.*

Tomb Raider (not shown)  
 - rh (1) **STC61858**  
 - lh (1) **STC61859**

Raider bar (pair) (1) **LL1313**  
*Tube style aftermarket side steps, black nylon  
 coated, with chequer plate top edge.*

110  
 black (pair) (1) **STC8015AA**  
 stainless steel (pair) (1) **LL1258**  
*Aftermarket side steps.*

chequer plate (pair) (1) **LL1259**  
*Aftermarket side steps with black nylon coated,  
 tubular steel edge and chequer plate tread plate.*

Tomb Raider (not shown)  
 - rh (1) **STC61860**  
 - lh (1) **STC61861**

Raider bar (pair) (1) **LL1314**  
*Tube style aftermarket side steps, black nylon  
 coated, with chequer plate top edge.*

Bracket - support - folding step (a/r) **MXC1624**



## REAR STEPS

Rear step;  
 folding type (1) **STC7632**  
 retractable (1) **MTC3085**  
 tow bar-mounted (1) **LL1256**  
*Heavy gauge, plated steel. Bolts directly to  
 crossmember.*

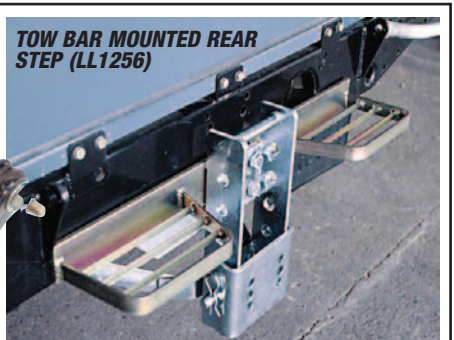
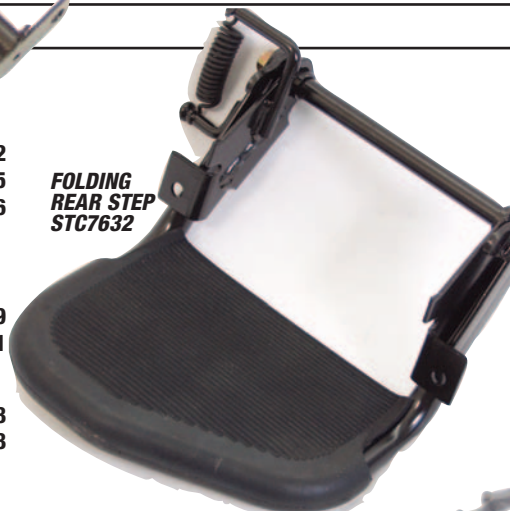
fixed, full-width type - less tread plate  
*Not shown.*

Defender 50/Tomb Raider 90 (1) **STC50269**  
 Tomb Raider 110 (1) **STC50301**

Tread plate - fixed rear step  
*Chequer-plate. Not shown.*

50th Anniversary (1) **STC60168**  
 Tomb Raider (1) **STC61868**

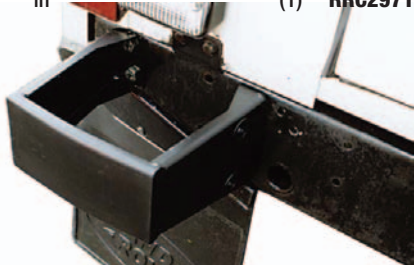
**FOLDING  
REAR STEP  
STC7632**



## BUMPERETTES



- Bumperette;
- |                    |     |                |
|--------------------|-----|----------------|
| front - galvanised | (2) | <b>RTC4769</b> |
| rear               |     |                |
| rh                 | (1) | <b>RRC2970</b> |
| lh                 | (1) | <b>RRC2971</b> |



**Tubular bumperettes;**  
*Heavy duty 1" tube construction and supplied complete with brackets for mounting in place of the grab handles. Supplied in 3 finishes: black nylon coated, galvanised or stainless steel. Please note, will not fit with swingaway spare wheel carrier.*

- |                    |     |                    |
|--------------------|-----|--------------------|
| black nylon coated | (1) | <b>LL1212BLACK</b> |
| galvanised         | (1) | <b>LL1212GALV</b>  |
| stainless steel    | (1) | <b>LL1212SS</b>    |



## ROOF RACKS



- Roof rack -  
 Original Equipment;  
 full roof rack type
- |           |     |                 |
|-----------|-----|-----------------|
| 0.8 metre | (1) | <b>STC53014</b> |
| 1.6 metre | (1) | <b>RTC8161A</b> |
| 2.4 metre | (1) | <b>RTC8141A</b> |
- ladder rack type  
 Supplied individually.
- |  |       |                 |
|--|-------|-----------------|
|  | (a/r) | <b>RTC8131A</b> |
|--|-------|-----------------|

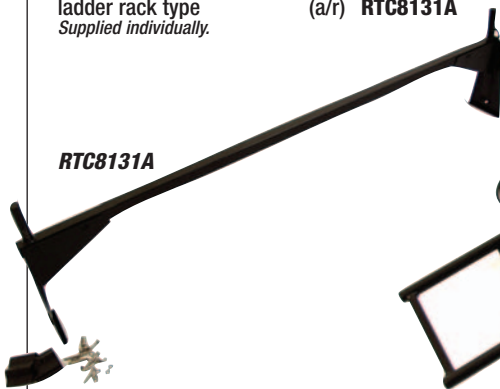


**LL1214**

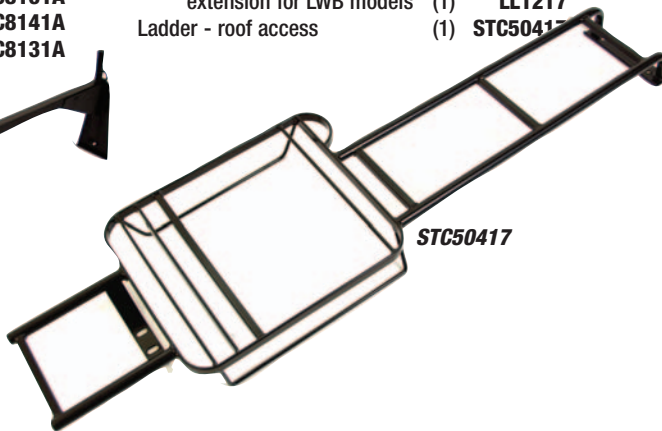
- Roof rack - aftermarket;
- |                         |     |               |
|-------------------------|-----|---------------|
| tubular stainless steel | (1) | <b>LL1213</b> |
| Safari roof rack        | (1) | <b>LL1214</b> |
- Stylish and practical roof tray in aluminium and injection moulded composites. Fitting kit LL1215. required.*
- full-length roof rack with fold-away ladder;  
*Black nylon coated steel roof rack with unobtrusive, fold-away ladder. Roof rack extension available for long-wheelbase models.*
- |                          |     |               |
|--------------------------|-----|---------------|
| roof rack                | (1) | <b>LL1216</b> |
| extension for LWB models | (1) | <b>LL1217</b> |
- Ladder - roof access
- |  |     |                 |
|--|-----|-----------------|
|  | (1) | <b>STC50417</b> |
|--|-----|-----------------|



**LL1216**



**RTC8131A**



**STC50417**



## LUGGAGE BOX

Luggage top box:  
 Fit to factory roof rack or aftermarket roof bars.

- original equipment
- |                                 |     |                  |
|---------------------------------|-----|------------------|
| 450 litres (L=1600 W=956 H=410) | (1) | <b>CAK000020</b> |
| 320 litres (L=1300 W=950 H=340) | (1) | <b>STC7963</b>   |
- aftermarket equipment
- |                                 |     |                   |
|---------------------------------|-----|-------------------|
| 350 litres (L=1300 W=990 H=350) | (1) | <b>CAK000020P</b> |
|---------------------------------|-----|-------------------|



## LUGGAGE TIE-DOWN LOOPS

- Luggage loop (a/r) **LL1069**  
 Sold individually.  
 Complete with fixings.

DESCRIPTION

QTY REQ

PART No.

DESCRIPTION

QTY REQ

PART No.

DESCRIPTION

QTY REQ

PART No.

**SPARE WHEEL COVERS**



Spare wheel cover;

Genuine - vinyl (with Land Rover logo)

750 x 16 **MXC6405**

205 x 16 **MXC6406**

235 x 16 **STC7665AA**

265 x 16 **STC8487AA**

aftermarket

vinyl - plain black

750 x 16 **MXC6405P**

205 x 16 **RD1113-205**

235 x 16 **RD1113-235**

stainless steel - 265/70 x 16 **LL1228**



**TRAILER BOARD**



Trailer board (4') (Including 4m cable)

**RX1513**

**SPARE WHEEL CARRIER**



Spare wheel carrier;

swing-away type

original equipment

aftermarket

**ANR5015**

all up to '02, except soft top

**LL1226**

soft top models

**LL1227**

bonnet-mounted;

for steel wheels

**STC7633**

for alloy wheels

**STC7686**



**ROAD WHEELS & TYRES**

See pages 57 to 59 for full range.



**BIKE CARRIER**



Bike carrier;

tow bar mounted

**STC8163P**

Single bike. Also available as original equipment.

spare wheel mounted

**RD1110**

Aftermarket. Carries up to 3 bikes.

Includes number plate holder and hold down straps.

**TO ORDER CALL 01522 568000**

# CHEQUER PLATE

Chequer plate - Genuine;  
wing top - front;

- matt finish - with aerial aperture (pair)
  - rh (1) **STC7667**
  - lh (1) **STC7693**
- bright finish
  - rh (1) **STC60162**
  - lh (1) **STC60163**

sill kit - matt finish

- Includes sill covers, bumper plates and rear corners.*
- 90 (1) **STC50245**
- 110 (1) **STC50381**

sill - bright finish (50th Anniversary 90)

- rh (1) **STC60164**
- lh (1) **STC60165**

rear wheel arch

- leading edge
  - 90
    - rh (1) **STC61834**
    - lh (1) **STC61835**
  - 110
    - rh (1) **STC61836**
    - lh (1) **STC61837**

trailing edge

- 90
  - rh (1) **STC61829**
  - lh (1) **STC61828**
- 110
  - rh (1) **STC61833**
  - lh (1) **STC61832**

rear step

- (1) **STC60168**

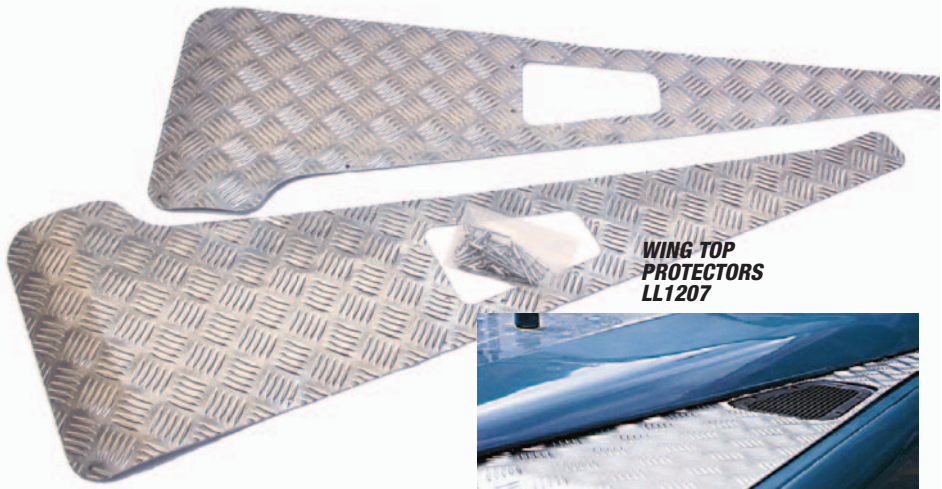
*Running board type.*

front bumper

- rh (1) **STC61844**
- lh (1) **STC61843**

loadspace area (Tomb Raider 110)

- wheelbox
  - rh (1) **STC61839**
  - lh (1) **STC61838**
- floor (1) **STC61840**



**WING TOP PROTECTORS LL1207**



Chequer plate - aftermarket;

wing top  
*Supplied in pairs. 2mm aluminium plate, also available in black finish.*

- with vent hole - all models (1) **LL1207**
- as above but in black (1) **LL1208**

bonnet top

*3mm aluminium plate, fits into the bonnet recess. Available in aluminium or black finish.*

- aluminium finish (1) **LL1209**
- black finish (1) **LL1210**

sill plate

*Supplied in pairs. Available in aluminium and black.*

- 90
  - aluminium finish (1) **LL1260**
  - black finish (1) **LL1261**

110

- aluminium finish (1) **LL1262**
- black finish (1) **LL1263**

rear wheel arch trailing edge - 90

*Available in aluminium and black finish.*

- aluminium finish (1) **LL1211**
- black finish (1) **LL1264**

bumper top - all models

- (1) **LL1265**

*Aluminium finish only.*

loadspace door plate

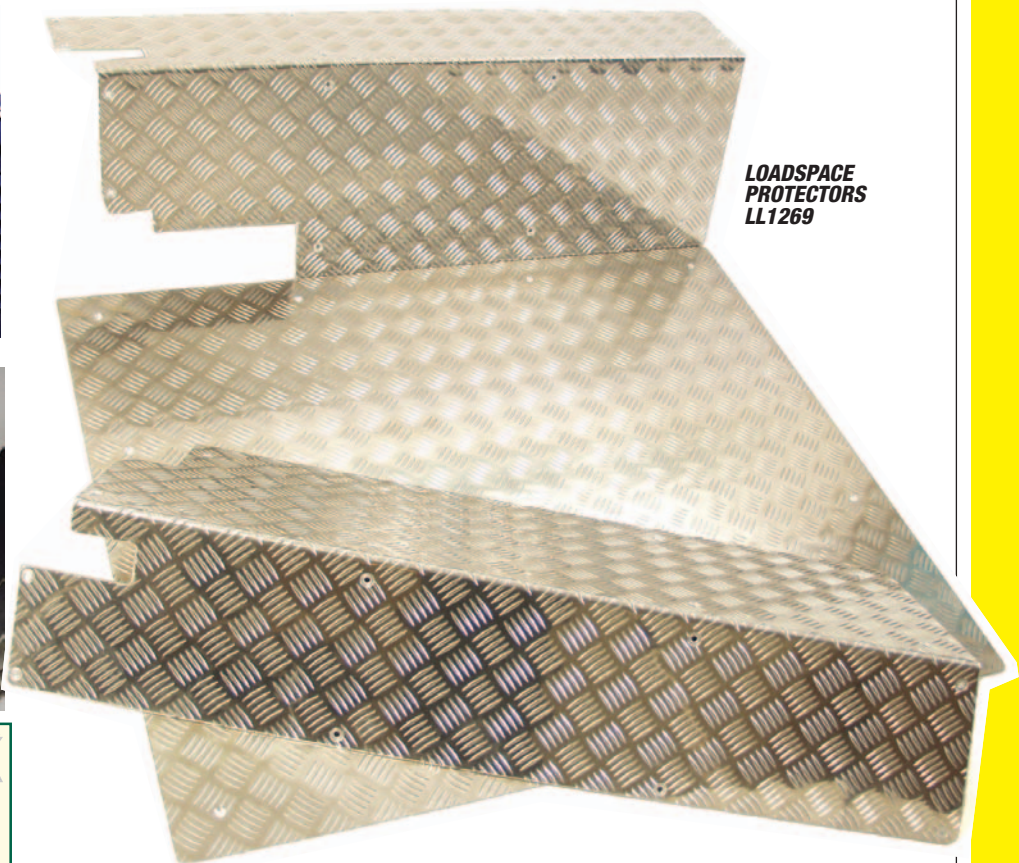
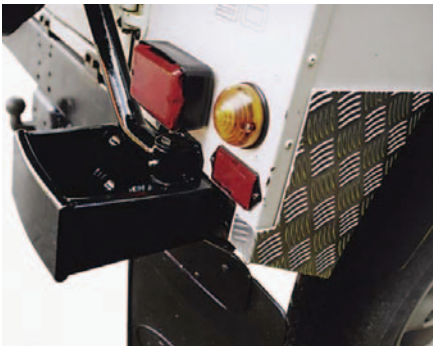
*Fits to the inside of the rear door in place of the original trim, for extra protection. Aluminium finish only.*

- models without rear wiper (1) **LL1266**
- models with rear wiper
  - early type (1) **LL1267**
  - late type (1) **LL1268**

loadspace area - 90 (1) **LL1269**

*Chequer plate coverings for the wheelboxes and floor in aluminium finish only.*

- Rivet - chequer plate (a/r) **AFU1843**



**LOADSPACE PROTECTORS LL1269**

**MORE STOCK EVERY DAY**

If the part you require is not listed here, please phone and enquire. By now we might well have it. For prices, terms & conditions etc, please refer to our latest price guide.

**MUD FLAPS**



Mudflaps;  
 front - all models  
 rh (1) **CAS000180PMA**  
 lh (1) **CAS000190PMA**  
 pair - mudflaps only (1) **RTC4685**  
 kit - mudflaps plus fittings (1) **RTC9479**

rear - 90  
 up to VIN FA414686  
 rh (1) **MUC2344**  
 lh (1) **MUC3990**  
 from VIN FA414687 except Td5 & V8 efi  
 rh (1) **CAT000200PMA**  
 lh (1) **CAT000190PMA**

Td5 & V8 efi  
 rh (1) **CAT000200PMA**  
 lh (1) **CAT000210PMA**

rear - 110/130 (pair) (1) **BTR277**

Fittings - front mudflaps - all models

mounting brackets;  
 rh (1) **MTC3000**  
 lh (1) **MTC3001**  
 stiffener - mudflap support (2) **MTC3874**

screw;  
 bracket to chassis (6) **FS106167**  
 mudflap to bracket (6) **FS106255L**  
 nut - mudflap screw (6) **GHF212**

Fittings - rear mudflaps - 90;

mounting brackets;  
 up to VIN AA232010  
 rh (1) **MUC3984**  
 lh (1) **MUC3985**

VIN AA232011 on  
 rh (1) **MUC3986**  
 lh (1) **MUC3987**

stiffener - mudflap support (2) **MUC1512**

screw;  
 bracket to chassis (6) **FS106167**  
 mudflap to bracket (6) **FS106255L**  
 nut - mudflap screw (6) **GHF212**

Fittings - rear mudflaps - 110/130;

mounting brackets;  
 rh (1) **MTC8358**  
 lh (1) **MTC8357**

screw;  
 bracket to chassis  
 M6 x 16 (6) **FS106167**  
 M6 x 20 (6) **FS106201L**  
 mudflap to bracket (6) **FS106167**  
 nut - mudflap screw (6) **GHF212**



**NUMBER PLATES**



**ONLY AVAILABLE TO PERSONAL CALLERS.**  
 New legislation from 1/1/03 states that number plates can only be sold directly to the owner of the vehicle together with proof of ownership and personal identification.

*We will need sight of the following three original documents:-*

- Vehicle registration document (V5)
- Driving Licence or utility bill.
- Passport or credit card (with photo ID), or travel/works pass (with photo ID).

Number plates are made to special order. Please note that it is also now mandatory in the UK for all new number plates to bear the originating suppliers name, postcode and telephone number (i.e. Rimmer Bros).

Vehicle Number Plate - Front  
 Standard **NPF**  
 Standard with 'GB' logo **NPFGB**  
 Deluxe - 3D effect **NPF3D**  
 Deluxe - 3D effect with 'GB' logo **NPF3DGB**

Vehicle Number Plate - Rear (oblong)  
 Standard **NPR**  
 Standard with 'GB' logo **NPRGB**  
 Deluxe - 3D effect **NPR3D**  
 Deluxe - 3D effect with 'GB' logo **NPR3DGB**

Vehicle Number Plate - Rear (square)  
 Standard **NPRS**  
 Deluxe - 3D effect **NPRS3D**  
 Deluxe - 3D effect with 'GB' logo **NPRS3DGB**

Fitting Kit - number plates **NP**  
*Universal kit including 4 self tap screws, 2 white cups, 2 yellow cups & 8 double sided adhesive pads.*

**DOOR WIND DEFLECTORS**



Door wind deflectors (front pair) **LL1063**  
 Drive with the windows down without the buffeting!  
 Made from tough acrylic (light smoke) material.  
 Easily fitted.



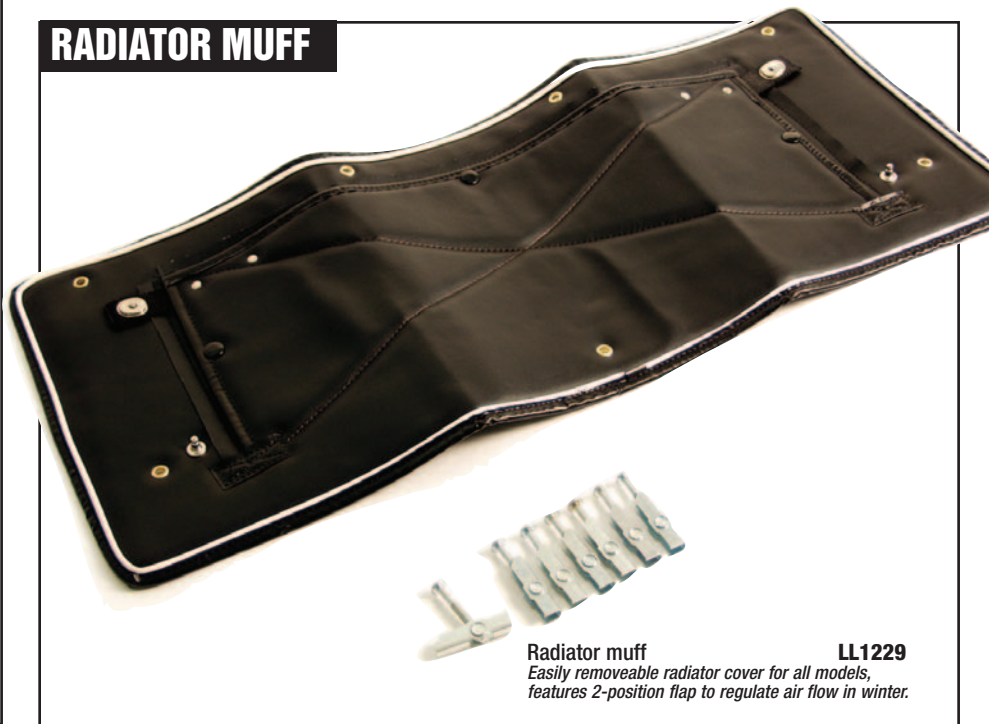
**SOFT TOPS**

Hood & sticks kit;  
 Complete soft top kit for 90s from VIN AA224094 onwards. Kit comprises canvas soft top with side and rear windows, plus full frame set. In fact, everything you need to go topless!  
 For earlier vehicles and 110s, please enquire.  
 khaki hood **LL1068KHAKI**  
 sand hood **LL1068SAND**  
 See 'Work Shop Consumables' page 98 for Hood sealer & Waterproofing products.

**TONNEAU COVER**

Tonneau cover -  
 90 SV soft top **BTR8691**

**RADIATOR MUFF**



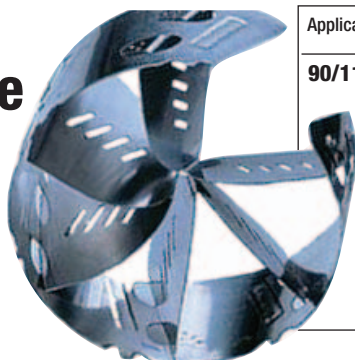
Radiator muff **LL1229**  
 Easily removeable radiator cover for all models, features 2-position flap to regulate air flow in winter.



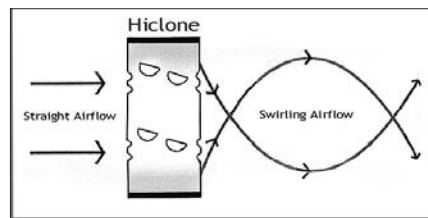
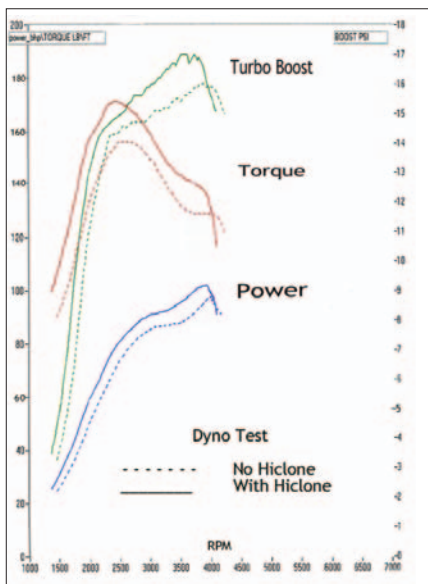
# PERFORMANCE ENHANCEMENT

**ACCESSORIES**

- Increased torque
- Improves mileage
- Cuts emissions



Application	Engine	Year	Part No.
90/110/DEFENDER	2250cc Petrol	1983 on	LL1075
	2.5 Petrol	1983 on	TBA
	3.5 V8 Carbs	1983 on	RA1462
	2.5 non turbo diesel	1983 on	LL1064
	2.5TD	1983 on	LL1065
	2.5 200 TDI		LL1066
	2.5 200 TDI (EGR)		RD1167
	2.5 300 TDI		LL1067
	2.5 300 TDI (EGR)		RD1168
	TD5		LL1076



Hiclone is a simple non moving stainless steel device that sits inside the air induction system of an engine. Like a static mixer, it vigorously swirls the air.

The swirling effect improves the fuel/air mixture promoting more complete combustion. Hiclone increases torque, improves fuel consumption and cuts hydrocarbon emissions: in particular smoke.

Fit Hiclone in front of a Land Rover Turbo Charger and feel the difference (see graph). See how it improves low down grunt, acceleration and reduces turbo lag. Hiclone can also be fitted to non turbo diesel and petrol engines - feel the difference!

Hiclone also smoothes out the engine torque curve, resulting in a reduction in gear changes and a quieter engine especially on the motorway.

With Hiclone fitted you can corner in a higher gear, this makes the vehicle easier to drive and improves the ride.



## UPDATED BRAKE DISCS & PADS

Brake discs (pair)  
EBU Turbo groove.

- |        |                      |
|--------|----------------------|
| Front  |                      |
| solid  | (1) <b>FRC7329UR</b> |
| vented | (1) <b>EFTC902UR</b> |
| Rear   |                      |
| solid  | (1) <b>FTC1381UR</b> |



Brake pads  
EBC Kuvlar

- |                      |                                                                      |
|----------------------|----------------------------------------------------------------------|
| Front (axle set);    |                                                                      |
| 90                   | up to axle nos: 22L10271 (RHD) & 23L06078 (LHD) (1) <b>STC2956UR</b> |
|                      | from axle no: 22L10272 (RHD) & 23L06078 (LHD) up to                  |
|                      | VIN HA701009 (1) <b>STC3765UR</b>                                    |
|                      | VIN HA701010 (1991) on(1) <b>STC2952UR</b>                           |
| 110/130 - all models | (1) <b>STC2952UR</b>                                                 |
| Rear (axle set);     |                                                                      |
| 90                   | (1) <b>SFP000270UR</b>                                               |
| 10/130               | (1) <b>SFP000280UR</b>                                               |

## STAINLESS STEEL BRAIDED BRAKE HOSES



See pages 62.

## STAINLESS STEEL EXHAUSTS



See pages 40-44 for details on standard and sport V8 exhaust systems in Stainless Steel.



# DIESEL PLUG-IN POWER UPGRADE



FOR LAND ROVER ENGINES:

**TD4** **TD5** **TD6** **2.5TD**  
 FREELANDER DISCOVERY DEFENDER RANGE ROVER (2002 ON) RANGE ROVER (1995-2001)

**Significant power & torque increases are achieved by simply plugging in a Power Box.**



- **More power & torque**
- **No loss of economy**
- **Easy installation**

## DIESEL PLUG-IN POWER UPGRADE

THE ADDITIONAL OUTPUT FIGURES ARE THE MINIMUM THAT CAN BE OBTAINED

MODEL	APPLICATION	VIN/ CHASSIS*	STANDARD OUTPUT		ADDITIONAL OUTPUT WITH POWER BOX		PART NO.
			BHP	TORQUE (NM)	BHP	TORQUE (NM)	
Defender	Td5 1999-2001	TA-1A	122	300	33	65	LL1060
Defender	Td5 2001-2002	2A	122	300	33	65	LL1061
Defender	Td5 2003 on	3A	122	300	33	65	LL1062
Discovery	Td5 manual 1999-2001	TA-1A	137	300	21	65	RD1158
Discovery	Td5 auto 1999-2001	TA-1A	137	300	21	65	RD1159
Discovery	Td5 auto 2002-2004	2A-4A	137	315	28	48	RD1160
Discovery	Td5 manual 2002-2004	2A-4A	137	315	21	65	RD1161
Range Rover	2.5td (P38) 1995 on	MA ON	136	268	25	50	RA1456
Range Rover	3.0 Td6 2002 on	2A ON	177	390	35	55	RA1458
Freelander	2.0 Di (L series) 1997-2000	WA-XA	97	155	21	50	LF1079
Freelander	Td4 2000 on	YA ON	112	260	28	50	LF1071

\*Please quote chassis number when ordering.

Power Boxes also available for other makes of diesel vehicle, including: ALFA AUDI BMW CHRYSLER CITROEN FIAT FORD HONDA HYUNDAI IVECO JEEP KIA LANCIA MAZDA MERCEDES MG MITSUBISHI NISSAN OPEL PEUGEOT RENAULT ROVER SAAB SEAT SKODA SUZUKI TOYOTA VOLVO VW

**TO ORDER CALL 01522 568000**

## PLUG IN A Power Box!

Installation is relatively easy, with no specialist tools or skills required. No irreversible modifications are made - the Power Box can be removed just as easily and the vehicle reverts to its original state.

### HOW DOES IT WORK?

Power Box is a high quality, digital management upgrade, incorporating a modern RISC microprocessor. The "chip" is carefully programmed - using the manufacturers standard fuel map as a foundation - and sends modified data to the injection pump, which then accurately meters the extra fuel required. Unlike many analogue devices, which crudely over-fuel throughout the entire rev-range, each Power Box is specifically mapped for the intended application. Extra fuel is provided when needed - eliminating flat-spots and hesitation - but there is no unnecessary enrichment, meaning no loss of fuel economy and no black smoke. In fact, most Power Box users report a noticeable improvement in fuel economy, as they discover it's no longer necessary to work their vehicle so hard.

### WHERE IS IT FITTED?

On most vehicles, the Power Box fits under the bonnet, interrupting the wiring loom from the engine ECU. Most Power Boxes are fitted with the original vehicle connectors, so installation is simply a case of unplugging the relevant connector and plugging in the Power Box. Full instructions are supplied and no special tools or skills are required.

Power Boxes are small, neat and discrete. They are fully encapsulated in resin and are shock and water resistant.

### HOW MUCH POWER WILL I GAIN?

On average, Power Boxes give around 20% increase in power and 15-20% increase in torque (see the power table below). However, more important is how the vehicle feels: throttle response, crispness and driveability are all immeasurably improved, while flat-spots and sluggishness are virtually eliminated.

### ADDITIONAL POWER GAINS

We also strongly recommend fitting a K&N air filter with a Power Box. This will allow the engine to breathe and perform more efficiently (K&N's can also be cleaned and re-used). In addition, fitting one of our stainless steel exhausts will also have the benefits of extracting exhaust gasses more effectively, with reduced back pressure, increased flow and improved turbo response - they look good too! If you wish to go further than this, consider an uprated intercooler (see page 9) for a truly efficient turbo diesel engine. With each of these enhancements, your Power Box can be adjusted to give even better results. Please see the table below.

### WHY NOT JUST HAVE MY ECU RE-CHIPPED?

Unlike an ECU chip, a Power Box can be fitted and removed easily. Also, as the Power Box doesn't disturb the ECU, its presence cannot be detected by diagnostic equipment. Finally, when the vehicle is sold, the Power Box can simply be removed if required and refitted to another vehicle.

In addition, Power Boxes are:

- ✓ TUV approved.
- ✓ Fully compliant with original exhaust emissions standards.
- ✓ Non-damaging to your engine.

K&N AIR FILTERS		PRICE		
MODEL	APPLICATION	PART NO.	EXC. VAT	INC. VAT
Defender	Td5	ESR4238KN	30.64	36.00
Discovery	Td5	ESR4238KN	30.64	36.00
Range Rover	2.5td to '99	ESR341KN	39.15	46.00
Range Rover	2.5td '00 on	ESR4238KN	30.64	36.00
Range Rover	3.0 Td6	PHE000040KN	52.71	61.93
Freelander	Td4	PHE100500LKN	42.55	50.00

## STAINLESS STEEL EXHAUST SYSTEMS

MODEL (Cat back)	APPLICATION	PART NO.	PRICE	
			EXC. VAT	INC. VAT
Defender <i>Large bore exit</i>	90	Td5 LR1127	271.49	319.00
	110	Td5 LR1128	280.00	329.00
	130	Td5 LR1129	288.51	339.00
Discovery <i>Large bore exit</i>	Td5	RD1035	305.53	359.00
Range Rover <i>Twin large bore or quad exit</i>	2.5td (P38A)	RA1088D	467.23	549.00
Range Rover <i>Twin large bore exit</i>	3.0 Td6	RA1455	421.28	495.00
Freelander <i>Rear Silencer</i>	Td4	LF1072	126.81	149.00

**POWER SOURCE INVERTER**



**Great for in car entertainment and leisure use!**

**Power Source Inverter**

A power source inverter converts car battery voltage (12v) into a 240v output. You can plug in a variety of mains voltage appliances into the standard UK socket. Three different inverters are available to suit a range of power requirements. There is overload, overheat and short circuit protection on all models.

**150 WATT MODEL RX1551-150**

Continuous power: 150w. Peak power: 300w Cigar lighter plug connection. 15A fuse. Suitable applications: TV, DVD, Video, Computer Consoles, Lights (not fluorescent) Phone charger etc.

**300 WATT MODEL RX1551-300**

Continuous power: 300w. Peak power: 660w Cigar lighter or battery clip connection. 40A fuse. Suitable applications: as 150w model plus small power tools, small fridges, stereo etc.

**500 WATT MODEL RX1551-500**

Continuous power: 500w. Peak power: 800w Battery clip connection only. 70A fuse. Suitable applications: as 300w model plus medium power tools, colour TV's with DVD's, battery chargers etc.



**MOBILE FRIDGE/ TRAVEL COOLER**



Ideal for keeping food and drinks cool in the summer! Simply plugs into cigar lighter. Fantastic value.

Mobile Fridge/Travel Cooler **RX1540**

**KENLOWE ENGINE HOT START & INTERIOR PRE-HEATER SYSTEM**



The ultimate in comfort & convenience: Kenlowe Engine Hotstart is a mains-powered pre-heater and coolant pump. Fitted in a convenient position in the engine bay, Hotstart rapidly heats the engine to operating temperature and holds it there, eliminating the engine wear, extra fuel costs and de-icing associated with cold winter mornings. The Kenlowe Interior Pre-Heater, working in conjunction with Hotstart, pre-heats the car's interior (as well as demisting iced-up windows) before you even turn on the ignition, making the start of your journey safer and more comfortable.

Kenlowe 'Hotstart' engine & interior pre-heater **RX1361**

**KENLOWE FAN**



Kenlowe fan kit; Contains everything you need to fit an electric fan to your vehicle, including mounting brackets, wiring and temperature sensor.

- 2.25 & 2.5 petrol **RA1096**
- 2.5 NA diesel **RA1096**
- 2.5 TD **LL1083**
- 200/300Tdi **RA1096**
- Td5 **LL1084**
- V8 **LL1083**

**BATTERY CONDITIONER & CHARGER**



The battery charger that turns on and off automatically. Suitable for all 12 volt batteries (from 5AH to 100AH), this superb product constantly revitalises the battery cells - helping to extend cell life, without the danger of overcharging.

**Battery Conditioner Kit RX1410**  
Comes complete with all fittings, connector kit and operating instructions.

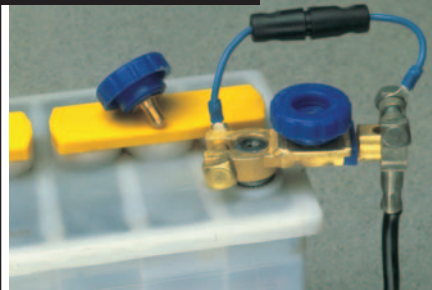
**LOOK AT THESE BENEFITS;**

- Designed to be left connected for long periods.
- Use without disconnecting vehicle electrics.
- L.E.D. battery condition display.
- Thermal cut-out facility.
- 12 month guarantee.

Can also be used for these applications providing they use a 12 volt battery; Caravans, lawn mowers, motorbikes, motor boats, wheel chairs and general leisure use.

**Battery Charger (6v/12v) GAC7106**  
Standard Battery charger

**DIS-CAR-NECT**



'Dis-Car-Nect' Starter Immobiliser **RX1356**  
Replacement Screw Knob **RX1356K**  
Replacement Fuse **RX1356F**

**HOW DOES 'DIS-CAR-NECT' WORK?**

When leaving your car, simply remove the knob to isolate the starter circuit. The 16amp by-pass fuse will maintain current to all other electrical circuits - stereo memories, alarm etc. Because the starter motor draws over 150amps, any attempt to connect (hot-wire) the starter motor will instantly cause the by-pass fuse to blow, this immobilises the car until the knob is replaced. If this should happen, simply replace the 16amp fuse at your convenience. As an added advantage, the 'Dis-Car-Nect' will also prevent battery drain if you intend to store your car, simply unscrew the knob and remove the fuse. For extra security you can unscrew and remove the immobiliser knob completely.

## AUXILARY LAMPS

Driving Lamp;

Rally 1000 (a/r) **STC7644**

As fitted to Tomb Raider vehicles.

Safari 5000 (2) **STC8480**

Genuine 9" circular lamps with removable stone guard. Supplied individually.

Wipac 'Off Road' - pair (1) **RX1512**

9" circular driving lamps supplied as a pair, off-road complete with chunky plastic grille. Inc H3 100w bulbs.

Steady bar - Safari 5000 (2) **STC8814**

Wiring kit - Safari 5000 (1) **STC8813AA**



## AIR HORNS



Air horns (pair)

**RX1381**

## STOP LAMP



High level brake/stop light

**RX1298**

## REAR FOG LAMP



Rear fog light/guard

**RB7092**

## WORK LAMPS



Portable Halogen Worklight (500w)  
Replacement Bulb

**RX1263**  
**RX1263B**

Ideal for working on you car or for jobs around the house. Inc. 240v-500w tungsten halogen lamp, 2m cable and BS plug.



Inspection Lamp/Halogen  
Plugs into cigar lighter.

**RX1424**



Hella Comet FF series fog lamp kit  
Kit includes 2x lamps with bulbs, wiring & relay (plus switch) and lens covers. Remote mounting.

Comet FF 100 **RX1533 100**

Oval. 154mmW x 85mmD x 108mmH.

Comet FF 200 **RX1533 200**

Round. 144mmW x 76mmD x 153mmH.

Comet FF 300 **RX1533 300**

Oval. 191mmW x 95mmD x 118mmH.

Driving lamps

**RX1512**

Wipac (9" circular). Off-road with plastic 'Wipac 4x4' grille. Supplied as a pair inc H3 100w bulbs. Excellent value for money!



Driving lamps

**STC8480**

Genuine (9" circular). Safari 5000 style with removable stoneguard. Supplied each. Wiring, switch & relay kit sold separately (use RTC9586AA to 3/94 or STC8813AA 3/94 on).

Search lamp -  
mirror-mounted

**RTC8921AA**



## INTERIOR ENHANCEMENTS



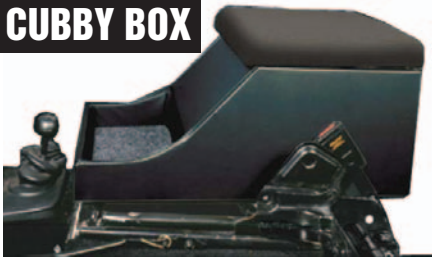
Aluminium interior trim - all models;  
 heater vent trims (pair) **LL1218**  
 heater control knobs (set of 3) **LL1219**  
 clock surrounds (set of 4)  
 up to '98 **LL1220**  
 '99 on with clock **LL1221**  
 '99 on with rev' counter **LL1222**



## SOUND-PROOFING KIT

Sound-proofing kit **LL1007**  
*Suitable for all models, this pre-cut sound-deadening felt covers the cab and under-bonnet area. Features peel-back adhesive on the appropriate areas.*

## CUBBY BOX



Cubby box (lockable);  
*All cubby boxes are universal fit.*  
 original equipment  
 square front **AWR1607**  
*Pre-Defender style.*  
 sloping front  
*Defender style.*  
 dark granite **FJG000010LOY**  
 black **FJG000010PMA**  
 aftermarket - sloping front  
*Defender style.*  
 padded **LL1223**  
*Black with padded armrest on the lid.*  
 black vinyl **LL1223Black**  
 grey vinyl **LL1223Grey**  
 Caviar **LL1223Caviar**  
 Brushwood **LL1223Brushwood**  
 Neptune **LL1223Neptune**  
 Moorland **LL1223Moorland**  
 Smokestone **LL1223Smokestone**  
 Techno **LL1223Techno**  
 Cup holder insert **STC61865**  
*For sloping front cubby boxes.*

## GUN BOX

Gun box - all models **STC8018AB**  
*Box dimensions: 870mm x 190mm.*  
 Fixing kit - gun box **STC8124**

## TOOL CURTAIN

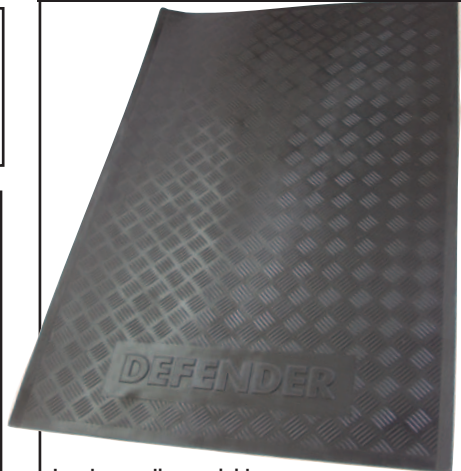
Tool curtain (centre bulkhead) **MXC6321PMA**

## FOOTWELL MATS



Footwell mat - OE (rubber);  
 front - pair  
 up to VIN WA159806 (1998) **RTC8098AB**  
 VIN XA159807 on (1999) **STC50172**  
 middle footwell (110) - pair;  
 up to VIN WA159806 (1998) **RTC8099**  
 VIN XA159807 (1999) ON **STC50173**  
 Floor mat set - aftermarket **LL1143**  
*Pair of dark grey front footwell mats in waterproof carpet material, suitable for 90 & 110.*

## LOADSPACE LINER / MAT



Loadspace liner - rigid;  
 90 Station Wagon **RTC8936AA**  
 110 Station Wagon **RTC8935**  
 Loadspace mat;  
 90  
 except Station Wagon **STC7619**  
 Station Wagon **STC7898**  
 110  
 except Station Wagon **STC7620**  
 Station Wagon **STC7899**

## WATERPROOF SEAT COVERS



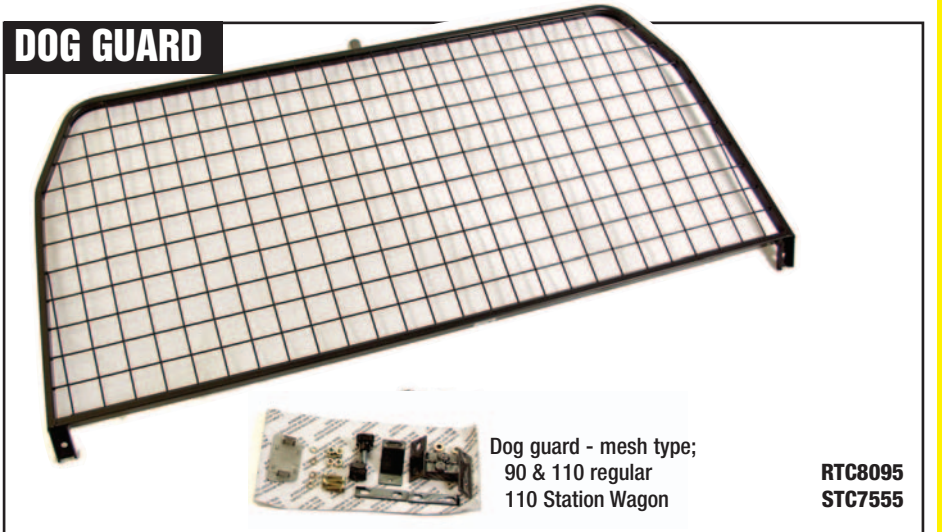
Front seat covers - set of 3 (1) **LL1224**  
*Suitable for all models (with original seats). Tailored, waterproof seat covers, which can be easily fitted and removed.*

## WINDOW MESH



Rear window mesh guard kit **LL1225**  
*Suitable for all hard-top models. Made from black nylon coated steel mesh, the set covers the rear door window and two rear quarter lights.*

## DOG GUARD



Dog guard - mesh type;  
 90 & 110 regular **RTC8095**  
 110 Station Wagon **STC7555**

## OFF ROADING ACCESSORIES

### Locking differentials:

For serious off-road driving in the worst conditions, locking axle differentials are essential. This is because traction can still be lost altogether when a single wheel starts to spin. In this instance, all of the available drive will be transmitted to the spinning wheel. Locking diff's prevent this by allowing drive to be transmitted to the wheel/s which still have grip. Locking diff's can be fitted to the front, rear, or for maximum traction, both axles.

We offer three types of locking differential, each with its own benefits:

1. **Detroit Diff Locker.** This is a fully automatic locking diff that is simple to fit and extremely rugged and dependable. It transmits maximum drive to the gripping wheel when traction is lost. However, due to the way in which it operates, it is recommended for fitting to the rear axle only.

2. **Detroit True Trac.** This unit features a gear-type limited slip design. Although not quite as effective as the Detroit Diff Locker, the True Trac can be fitted to front or rear axles without any effect on the steering. Locking is fully automatic and fitting is simple.

3. **ARB Air Locker.** This unit is a manual locking device and therefore only selected when needed, at the push of a button. The benefits of this design are that maximum drive is transmitted when needed and, when unlocked, the diff performs as normal. However, fitting is more complicated, requiring an air compressor to operate the unit. ARB Lockers can be fitted to front or rear axles.



### Detroit Locker (rear axle only)

Rover axles			
10 spline	(1)	<b>LL1152</b>	
24 spline diff's	(1)	<b>LL1153</b>	
Salisbury axles	(1)	<b>LL1154</b>	

*Please specify spline type when ordering.*



### Detroit True Trac (front or rear axles)

*Not available for Salisbury axles.*

front			
10 spline	(1)	<b>LL1155</b>	
24 spline	(1)	<b>LL1156</b>	
rear			
10 spline	(1)	<b>LL1157</b>	
24 spline	(1)	<b>LL1158</b>	



### A.R.B. Locker (front or rear axles)

*Please note, ARB Lockers require a separate compressor. See below.*

Rover axles			
10 spline	(1)	<b>LL1159</b>	
24 spline	(1)	<b>LL1160</b>	
Salisbury axles	(1)	<b>LL1161</b>	

*Please specify spline type when ordering.*

110 rear 2002 on	(1)	<b>LL1162</b>	
Compressor - ARB Locker	(1)	<b>LL1163</b>	

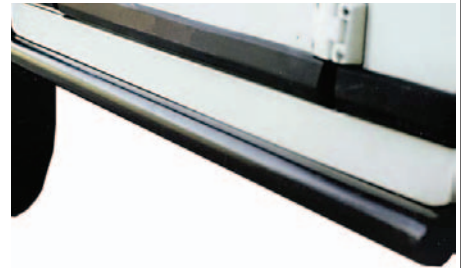


### Rock guard sills;

Sturdy box-section steel sill protectors which replace the aluminium sills for serious off-roading.

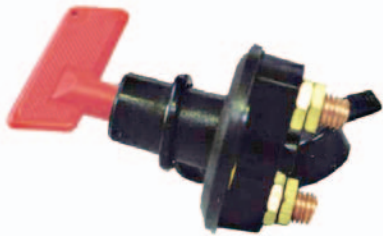
Available in black nylon finish or galvanised, which can be painted.

90			
black nylon coated	(1)	<b>LL1164</b>	
galvanised	(1)	<b>LL1165</b>	
110			
black nylon coated	(1)	<b>LL1166</b>	
galvanised	(1)	<b>LL1167</b>	
130			
black nylon coated	(1)	<b>LL1168</b>	
galvanised	(1)	<b>LL1169</b>	



**Sill protection bar - 90 (1) LL1170**  
 Tubular steel side protection rail for 90" models.  
 Fits underneath aluminium sills for extra protection.  
 Black nylon coated.

## OFF-ROAD/COMPETITION ACCESSORIES



**Battery isolator switch (1) LL1171**  
 Essential for off-road competition, this isolator switch is simple to fit and features removeable key.



**3-point safety harness (2) LL1172**  
 For competition use or just for extra safety off-road. Top-mount requires re-positioning.

## WADING KIT



### Wading kit;

*Comprises breather pipes for axles, gearbox and timing cover.*

200Tdi	(1)	<b>RD1122</b>
300Tdi	(1)	<b>RD1123</b>

## SNORKEL



### Snorkel (raised air intake) kit;

Genuine - Tdi & Td5	(1)	<b>STC50265</b>
aftermarket (Safari)		
200Tdi	(1)	<b>LL1173</b>
300Tdi/TD5		
non ABS	(1)	<b>LL1174</b>
with ABS	(1)	<b>LL1175</b>
V8	(1)	<b>LL1176</b>

## HIGH LIFT JACK



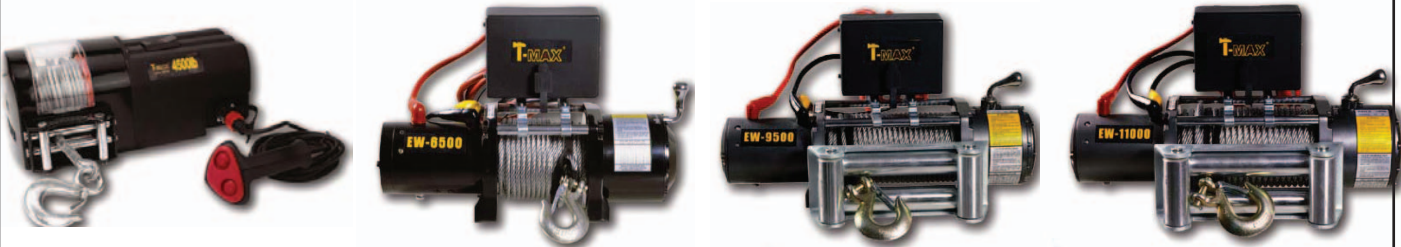
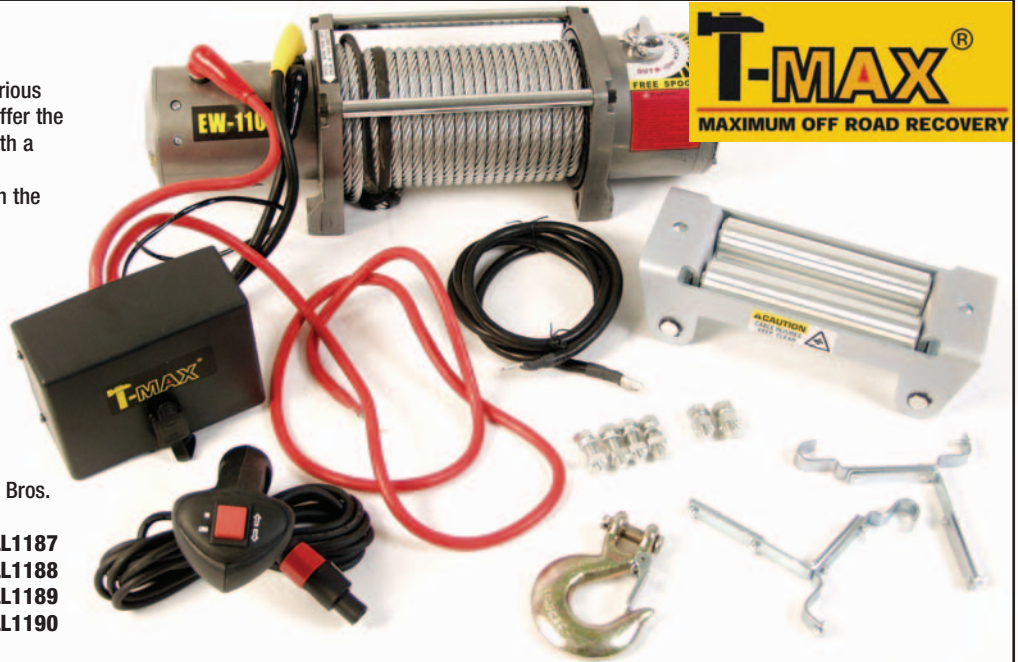
Jackal High lift jack;			
4ft	(1)	<b>LL1177</b>	
5ft	(1)	<b>LL1178</b>	
Jack extension;			
front/rear jacking points	(1)	<b>LL1179</b>	
side lift jacking points	(1)	<b>LL1180</b>	
Carrying rack - high lift jack	(1)	<b>LL1181</b>	

**WINCHES**

Winches are an essential accessory for serious off-roading. The T-Max range of winches offer the best features and power for the money, with a winch to suit every budget. T-Max offer capacities from 2,000lbs to 11,000lbs, with the following essential features:

- Single line pull.
- Heavy duty, series wound motor.
- Intelligent remote control system.
- Galvanised aircraft cable.
- Replaceable clevis hook.
- Automatic in-drum braking.
- Sliding ring-gear clutch.
- Full range of accessories.
- Fits common mounting plates (Warn pattern), also available from Rimmer Bros.

Winch;	
EW-4500	LL1187
EW-6500	LL1188
EW-9500	LL1189
EW-11000	LL1190



FEATURES	EW-4500	EW-6500	EW-9500	EW-11000
Rated line pull (single line)	4500lbs (2040kg)	6500lbs (2950kg)	9500lbs (4300kg)	11000lbs (4985kg)
Motor	1.6HP/12v	5.5HP 12v series wound	5.5HP 12v series wound	5.5HP 12v series wound
Control	Remote switch (3.4m lead)	Remote switch (3.7m lead)	Remote switch (3.7m lead)	Remote switch (3.7m lead)
Gear train	Planetary, 2 stage	Planetary, 3 stage	Planetary, 3 stage	Planetary, 3 stage
Gear ratio	159:1	172.8:1	218:1	265:1
Clutch	Pin clutch	Shift pin ring gear	Sliding ring gear	Sliding ring gear
Brake	Self lock	Automatic in-the-drum	Automatic in-the-drum	Automatic in-the-drum
Wire rope	15.2m x 6.4mm diameter	24m x 7.2mm diameter	28.5m x 8.2mm diameter	28.5 x 8.2mm diameter
Fairlead	4-way roller fairlead	Hawse fairlead	4-way roller fairlead	4-way roller fairlead
Remote control	Included	Included	Included	Included
Recommended battery	440CCA min	650CCA min	650CCA min	650CCA min
Finish	Black	Black	Black/dark grey	Black/dark grey
Weight	16kg (18kg with wire)	30kg	38kg	40kg (43kg with wire)
Dimensions (mm)	383L x 193D x 166H	470L x 160W x 205H	537L x 160W x 218 H	541L x 160W x 218H
Mounting pattern	102mm: 2 - 11mm	166.4 x 114.3mm	254 x 114.3mm	254 x 114.3mm

**WINCH ACCESSORIES**



**T-Max winch accessory kit LL1194**  
Includes: 5m kinetic rope, tree strap, snatch block, 2 x D shackles, safety gloves, tow hook & holdall.



**Swivel shackle LL1193**  
Heavy duty construction with 4-point fixing.



**T-Max Winch Solenoid LL1192**



**Winch bumper;**  
Front bumper incorporating winch frame. Suitable for the following winches: Warn 6000 & 8000 M & MX series, Warn XD9000, Superwinch X6 CD & X9, T-Max. Incorporates jacking points. Available in black nylon or galvanised finish.

- black nylon coated **LL1134**
- galvanised **LL1135**



**Remote control LL1191**  
Ergonomically designed. Suits all T-Max winches.

DESCRIPTION QTY REQ PART No.

## UNDERSIDE PROTECTION

Steering guard (protection bar) (1) **NRC7009**



Sump guard (protection plate);  
genuine (1) **STC50437**  
aftermarket type  
aluminium (7mm thick) (1) **LL1182**  
*Features 9 vent holes of 38mm diameter.*  
stainless steel (6mm thick) (1) **LL1183**  
for vehicles fitted with winch(1) **LL1184**



Diff' guard (not Salisbury axles) (2) **RA1354**  
*Zinc plated.*



Fuel tank guard;  
6mm thick aluminium tank guard. No drilling required.  
for 90 TD5 (1) **LL1185**  
for 110 (1) **LL1186**

## AIR HELPER SPRINGS



**Air helper springs**  
*Designed for vehicles which regularly tow or carry heavy loads. Air helper springs ensure the vehicle remains at its optimum ride height. The air helper springs kit comprises of an axle set of airbags, bushes, fittings & instructions. Available separately, the compressor kit allows the air helper springs to be inflated/deflated from inside the vehicle.*

90 **RA1371**  
110 ('87 - '96) **LL1315**

Air lift compressor kit **RA1372**

**TO ORDER CALL 01522 568000**

DESCRIPTION PART No. DESCRIPTION PART No.

## TOWING ACCESSORIES

**ADJUSTABLE HEIGHT  
TOW BAR RTC8828AA**

Tow bar kit - adjustable height;  
*Fully adjustable drop plate.  
Less towball & electrics (see below).*

up to VIN WA159806  
all models except HICAP  
HICAP  
VIN XA159807 on  
90  
110 except HICAP  
HICAP

**RTC8828AA**  
**RTC9580A**

**STC50255AA**  
**STC50256AA**  
**STC50257AA**

Tow bar kit - fixed height;  
*Height adjustment is possible using tools.  
Includes tow ball. Electrics supplied separately.  
Not suitable for HCPU.*

up to VIN VA138479  
VIN WA138480 on  
90  
110

**LL1070**

**VUB105460**  
**VUB105470**

Tow bar kit - removeable tow ball **VUB105450**  
*With quick-release tow ball.  
Suitable for vehicles up to VIN 159806.*



Towing electrics;  
up to VIN WA159806 (1998)  
VIN XA159807 (1999) on

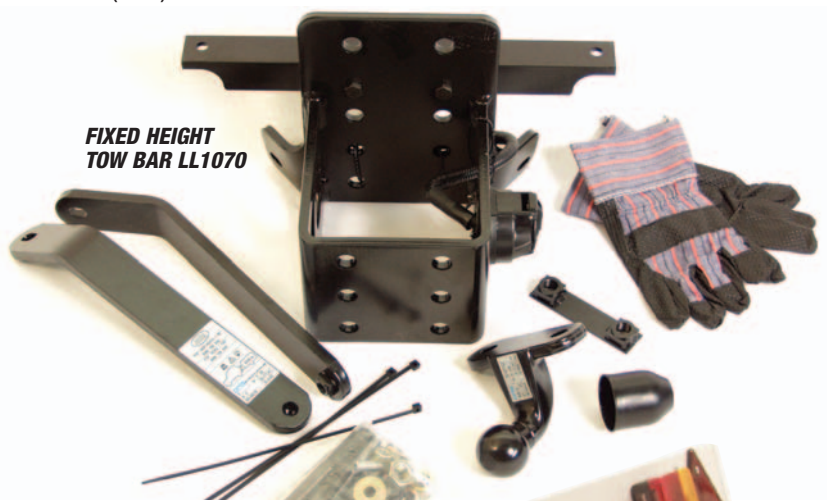
**RTC8872**  
**YWJ101500**

Tow ball (50mm) **GTT101**  
Tow ball/jaw (3.5 tonne) **RTC8159**  
Tow jaw only **KNB100640**  
Tow ball cover (for GTT101) **GTT308**



Tow rope **STC8919P**

**FIXED HEIGHT  
TOW BAR LL1070**



## TRAILER BOARD



Trailer board (4') (Including 4m cable) **RX1513**

## HI-TEMP SHRINK TUBES

These shrink tubes are already supplied with the HT lead kits listed on the next page.

They can also be used for many other applications such as an enhanced appearance to any hose or wire, bundle wires as alternative to plastic ties or protecting electrical connections.

Available in grey, black, red, blue and in 2 sizes, with a shrink ratio of 3 to 1.

Easily installed with naked flame. 18mm size shrinks to 6mm and 12mm size shrinks to 4mm. Supplied in packs of 25.

### HI-TEMP SHRINK TUBES

18mm dia x 38mm long **RX1468**  
Pack of 25.

12mm dia x 38mm long **RX1469**  
Pack of 25.



## THERMAL HEAT SLEEVES

This high temperature sleeving will protect wiring, HT leads, hydraulic hoses and coolant hoses from radiant heat.

Two different designs are offered. The fixed tube type is designed to slide over wiring/hoses whereas the velcro type can be easily installed without having to disconnect anything. Easy to cut and shape to suit. Supplied in 3ft lengths.

**FIXED TUBE SLEEVE** **RX1471**  
Supplied in diameters of 0.5", 0.75", 1", 1.25", 1.5"  
(all 3ft long)

**VELCRO SLEEVE** **RX1472**  
Supplied in 1 size - 0.5"-1.5" diameter (3ft long).



## UNIVERSAL HEAT SHIELD

This multi-purpose heat shield can be used to protect starter motors, carbs, fuel pups, electrical boxes, instruments and hydraulic cylinders from intense heat. Easily cut to shape (scissors or knife) it attaches to itself with velcro material. Simply cut off excess material.

**UNIVERSAL HEAT SHIELD** **RX1470**  
7" wide x 24" long



## HEAT & SOUND INSULATION MATERIAL

Designed for insulating floors, bulkheads, transmission tunnels and many other applications from the effects of heat, road noise, engine and transmission noise. Made from an aluminium face bonded to a 1/8" composite fibreglass insulation, then backed to an aggressive adhesive. Tough enough for under vehicle applications and harsh environments where high heat can be a problem. Can also block out up to 50% of unwanted noise. Self adhesive, can be cut with tin snips to any shape.

**INSULATION MATERIAL** **RX1473**  
Supplied in 3 sizes: 2' x 21" (3.5sq ft), 4' x 21" (7sq ft), 4' x 42" (14 sq ft).

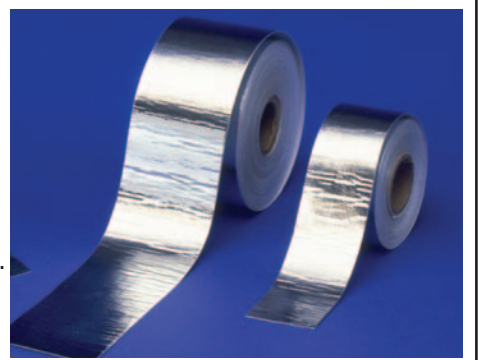


## COOL TAPE

Consists of a 1mm aluminised material bonded to a lightweight, woven fibreglass with super strong adhesive backing. Reflects radiant heat. Limitless application, but common uses include wrapping cables, hoses, fuel lines, 'spot' heat retardation areas and sealing gaps in floors or firewalls. The best product on the market!

Flexible, strong adhesive and thin for a tight wrap.

**COOL TAPE** **RX1474**  
Available in 1 3/8" x 15', 1 3/8" x 30' and 2" x 60' rolls

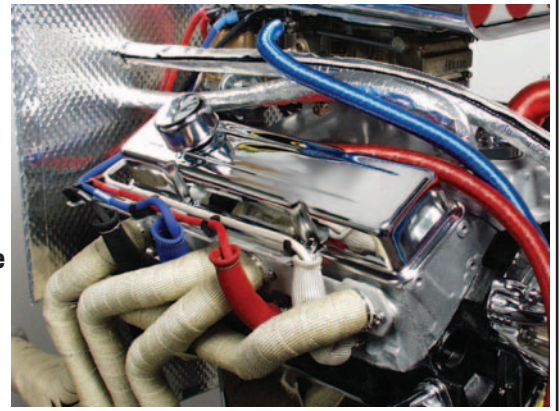




# HT LEAD & SPARK PLUG PROTECTION

Protect your HT leads and spark plugs from extreme heat and improve the appearance of your engine bay with these top quality products. Ideal for tubular extractor manifold applications where additional heat is generated, but may be fitted to a standard vehicle.

*NOTE: For Manifold Insulation Wrap, refer to 'Exhausts' section in catalogue.*



## SPARK PLUG SLEEVES

Manufactured from a fibreglass composite material (no arcing), the sleeves slide over the ends of the HT leads, easy installation. Available in silver, black, red or blue.

### SPARK PLUG SLEEVES

2 cylinder kit **RX1462**  
 Order 2 kits for 4 cylinder, 3 kits for 6 cylinder.  
 8 cylinder kit **RX1463**



## HT LEAD SLEEVES

Made from the same material as the spark plug sleeves - these easy install, snug - fitting sleeves will fit any HT lead up to 10mm in diameter. Also included are hi-temp shrink tubes for a sharp finished appearance. Available in silver, black, red or blue.

### HT LEAD SLEEVES

2 cylinder kit **RX1464**  
 Order 2 kits for 4 cylinder, 3 kits for 6 cylinder.  
 8 cylinder kit **RX1465**



## HT LEAD & SPARK PLUG SLEEVE KIT

These kits comprise of both kits listed opposite in one convenient (and cost effective) kit. Colour matched sleeves available in silver, black, red or blue.

### HT LEAD & SPARK PLUG SLEEVE KIT

2 cylinder kit **RX1466**  
 Includes 7ft of HT lead sleeve, 2 plug sleeves & 6 shrink tubes.  
 Order 2 kits for 4 cylinder, 3 kits for 6 cylinder.  
 8 cylinder kit **RX1467**  
 Includes 25ft of HT lead sleeve, 8 plug sleeves & 25 shrink tubes.



## TURBO-GUARD

**Ideal protection for all TD owners!**

Turbo failure can often be attributed to oil starvation both at start-up and shut-down. Oil can 'carbonise' in a hot turbo after the engine is turned off and the turbo is still revolving, effectively allowing the turbo to run-on unlubricated! At start-up, the turbo will revolve momentarily on dry bearings until the oil pressure builds up from the engine.

Turbo-Guard stops this from happening. It is a reliable, automatic, maintenance free device that ensures pressurised oil is present at all times. Comprising of an oil accumulator tank, oil feed hose and a one-way check valve, it can easily be installed by a competent person. The kit is for universal application and will therefore fit a variety of applications.

TURBO-GUARD **RX1547**



## TURBO INSULATION KIT

**Designed to reduce turbo lag and reduce under bonnet temperatures.**

The Turbo Insulation Kit adds additional horsepower while protecting costly components from unwanted under-bonnet heat. Designed to fit all turbo installations, the kit comes complete with all the materials for a clean, professional looking installation.

TURBO INSTALLATION KIT **RX1546**



## AIR INTAKE PIPE COVER

**Reflects heat away from air intake and intercooler pipes!**

This product is designed to reflect heat away from the air intake pipe allowing cooler air to be introduced into the engine intake for a denser air/fuel charge. Ideal for most applications including intercooler pipes for added power and engine efficiency! Made from heat treated fibreglass with a reflective coating, it is easily installed (without tools) with the full length hoop and loop closure system.

Size: 36" long x 14" wide.

AIR INTAKE PIPE COVER **RX1548**

## UPDATED STEERING DAMPER



### BILSTEIN

Used on its own or in conjunction with updated suspension and bush kits, updated steering dampers improve the 'feel' and accuracy of the steering.

Updated steering damper -Bilstein **RTC4472UR**

## STEERING WHEEL



VINYL RIM WHEEL WITH BLACK SPOKES

LEATHER RIM WHEEL WITH POLISHED SPOKES

Steering wheel - original.  
Please enquire for price & availability of original steering wheels.

Steering wheel - aftermarket;  
Includes boss & fittings.

- vinyl rim (3 spoke, 14" diameter)
  - with polished spokes
    - up to VIN HA (1991) (1) **LL1119P**
    - VIN JA to WA138479 (1) **LL1120P**
    - VIN WA138480 on (1) **LL1119P**
  - with black spokes
    - up to VIN HA (1991) (1) **LL1119B**
    - VIN JA to WA138479 (1) **LL1120B**
    - VIN WA138480 on (1) **LL1119B**
- leather rim (3 spoke, 15" diameter)
  - with polished spokes
    - up to VIN HA (1991) (1) **LL1121P**
    - VIN JA to WA138479 (1) **LL1122P**
    - VIN WA138480 on (1) **LL1121P**
  - with black spokes
    - up to VIN HA (1991) (1) **LL1121B**
    - VIN JA to WA138479 (1) **LL1122B**
    - VIN WA138480 on (1) **LL1121B**

## REAR SEAT CONVERSION

See page 78 for details.



## SUSPENSION KITS

Refer to 'Suspension' pages 53-56 for details on various suspension packages, bush kits (inc. poly) etc.



## LUMENITION KIT

Lumenition kit;  
Includes all parts and instructions necessary to convert Lucas and Ducellier points-type distributors to breakerless electronic ignition. Benefits include better starting/reliability, reduced maintenance and improved performance/mpg. Distributor can also be converted back if desired.

2.25 engines

- Lucas distributor (1) **RR1113**
- Ducellier distributor (1) **LL1316**  
1981 on.

2.5 engine

- (1) **RL1262**

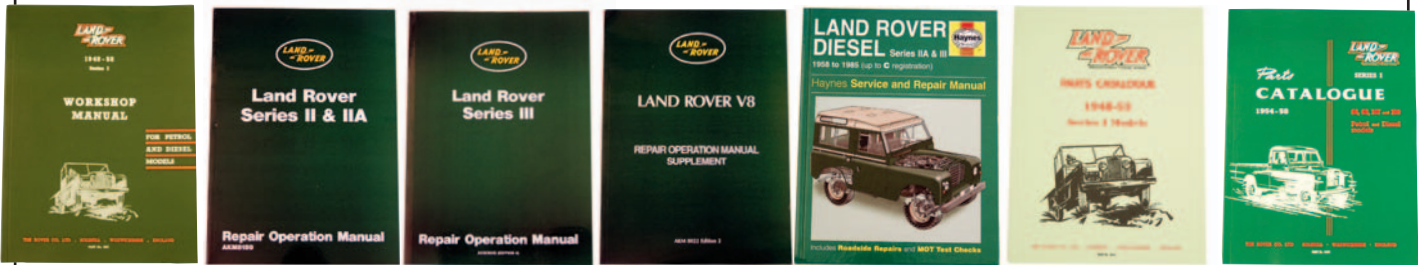
V8 engine

- standard kit (1) **RB7270**
- performance kit (1) **RB7270P**

As standard kit but also offers constant maximum spark energy at coil throughout the whole rev' range - supplied with low resistance coil.



# REFERENCE / INFORMATION BOOKS



1	2	3	4	5	6	7

## LAND ROVER 'SERIES' MODELS

- 1 Series 1 Workshop Manual **LL1021**  
*384 pages.*
- 2 Series 2 & 2A Workshop Manual **LL1022**  
*966 pages.*
- 3 Series 3 (4 & 6 cyl) Workshop Manual **LL1024**  
*(378 pages)*
- 4 Series 3 V8 Supplement **LL1025**  
*(116 pages)*
- 5 Series 2, 2A & 3 Diesel (88 & 109) Haynes Workshop Manual ('58 - '85) **LL1051**  
- Series 2, 2A & 3 Petrol (88 & 109) Haynes Workshop Manual ('58 - '85) **LL1052**
- 6 Series 1 48-53 Parts Catalogue **LL1032**  
*448 pages.*
- 7 Series 1 54-58 Parts Catalogue **LL1033**  
*444 pages.*
- 8 Series 2 & Early 2A Bonneted Control Parts Catalogue **LL1034**  
*(326 pages)*
- 9 Series 2A Bonneted Control Parts Catalogue **LL1035**  
*(336 pages)*
- Series 3 88, 109 & 109 V8 Parts Catalogue **LL1036**  
*(396 pages)*
- 10 Series 2A. 3. 109 V8 OP. Equip. Parts Catalogue **LL1037**  
*(176 pages)*
- 11 Series 1 48-58 Owners Handbook **LL1040**  
*60 pages.*
- 12 Series 1 & 2 Diesel Owners Handbook **LL1041**  
*(58 pages)*
- 13 Series 2/2A/3 59-83 Owners Manual **LL1023**  
*(259 pages)*
- 14 Series 2A & 2B Owners Handbook **LL1042**  
*80 pages.*
- 15 Series 3 71-81 Owners Handbook **LL1043**  
*168 pages.*
- 16 Series 3 81-85 Owners Handbook **LL1044**  
*172 pages.*
- 17 Series 1, 2 & 3 Haynes Restoration Manual **LL1054**  
*(288 pages)*
- 18 Series 1 48-58 'Road Test Book' **LL1011**  
*100 pages.*
- 19 Series 2 & 2A 58-71 Road Test Book **LL1012**  
*(100 pages)*
- 20 Series 3 4x4 Performance Road Test Book **LL1013**  
*(140 pages)*

## LAND ROVER 90, 110 & DEFENDER MODELS

- 21 90, 110, Defender 83-92 Factory Workshop Manual **LL1027**  
*(842 pages)*
- 22 Defender 93-95 Factory Workshop Manual **LL1028**  
*(1008 pages)*
- 23 Defender 93-95 Workshop Manual **LL1029**  
*(including 300TDi-R380/LT230T) (1232 pages)*
- 24 Defender Diesel 300 TDi 96-98 Workshop Manual **LL1030**  
*(1008 pages)*
- 25 90, 110, Defender Diesel 83-95 Haynes Workshop Manual **LL1049**
- 26 Parts Catalogue - L/R 110 (to 08/86) **RTC9863CE**  
*(384 pages)*
- 27 90 & 110 Owners Handbook **LL1045**  
*148 pages.*
- 28 90, 110, Defender '83 on Owners Workshop Manual **LL1026**  
*(228 pages)*
- 29 90, 110, Defender Haynes Restoration Manual **LL1053**  
*(208 pages)*
- 30 You & Your Land Rover 90, 110, Defender **LL1058**  
*(160 pages)*  
*Buying, enjoying maintaining & modifying. Martin Hodder.*
- 31 90, 110, Defender 83-94 Gold Portfolio **LL1014**  
*(172 pages)*

# REFERENCE / INFORMATION BOOKS



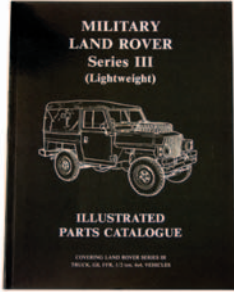
41



42



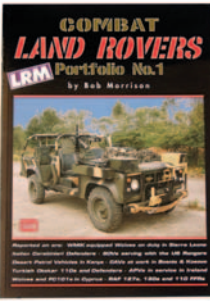
43



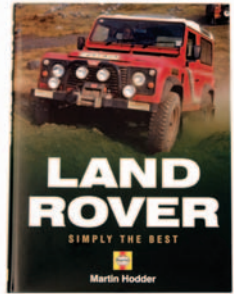
44



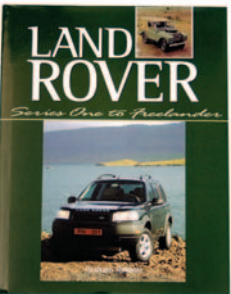
45



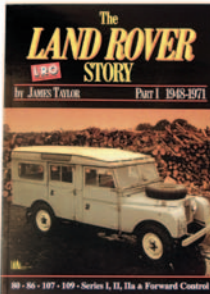
46



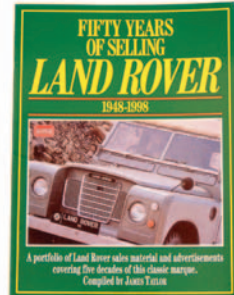
47



48



49



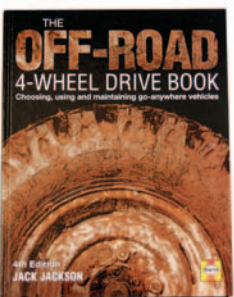
50



51



52



53

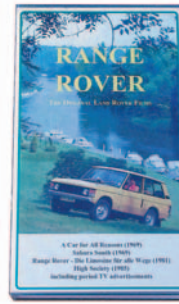
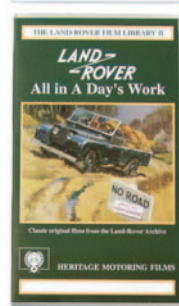
## LAND ROVER MILITARY MODELS

- 41 101 Forward Control Workshop Manual (168 pages) **LL1031**
- 42 Military 101 Forward Control Parts Catalogue (226 pages) **LL1038**
- 43 Military 101 Forward Control Owners Handbook (178 pages) **LL1046**
- 44 Military Land Rover Series 3 Lightweight Parts Catalogue (184 pages) **LL1039**
- Military Series 3 Lightweight Owners Handbook (162 pages) **LL1047**
- 45 Military Portfolio (140 pages) **LL1015**
- 46 Combat Land Rovers Military Portfolio No. 1 (136 pages) **LL1048**

## LAND ROVER - GENERAL REF BOOKS

- 47 Simply The Best (Haynes) (160 page) **LL1055**  
A celebration of all Land Rovers 1948 to present day. Martin Hodder.
- 48 Series 1 to Freelander (192 pages) **LL1050**  
History of Land rover. Graham Robson.
- 49 The Land Rover Story (Part one) 48-71 (130 pages) **LL1017**
- 50 Fifty Years of Selling (100 pages) **LL1018**
- 51 Restoration Portfolio (130 pages) **LL1016**
- 52 Practical Classics on Land Rover Restoration (72 pages) **LL1020**
- 53 Off Road & 4 WD Book (200 pages) **RX1522**  
Choosing, using & maintaining go anywhere vehicles. J. Jackson.
- Working in the Wild-Manual for Africa (230 pages) **LL1019**

# VIDEOS



We are pleased to offer a selection of VHS (PAL) videos from the 'Heritage Motoring Films' Library. Essentially, original films from the Land Rover archives edited and enhanced for you to enjoy at home!

- 'The best 4x4 x fifty' **LL1006**  
50 minutes (approx). Originally made for Land Rover North America in 1999 to celebrate 50th Anniversary. Sir Ranulph Fiennes explores 50 years of Land Rover history including contributions by Spen King, Geoff Miller, Tom Barton & Roger Crathorne. From first models to the luxury series 2 Range Rover, this film portrays the history of Land Rover in a very personal fashion. Also includes driving techniques film.
- 'Anything you can do' **LL1005**  
53 minutes from archives dating back to 1955, 1956, 1957 & 1958 including 'newsreel' type footage.
- 'All in a day's work' **LL1003**  
56 minutes including 'newsreel' film from 1957/8, overland to Singapore (1956), special equipment (1964), unusual military prototypes (1967) and Rover Pacific review NZ (1955).
- 'A means to all ends' **LL1004**  
61 minutes including promotional film for S3 (1973), South America tour (1959), 21st anniversary versatility demonstration (1969).
- 'Range Rover - The original Land Rover Films' **RA1451**  
52 minutes. Includes 1970 launch film, the prototype story, a Sahara expedition, footage to promote into the German market and a short film of improved features of the 1985 model including factory assembly.

Also available from Haynes is this action packed overview of the modern and historic roles of Land Rover & Range Rover.

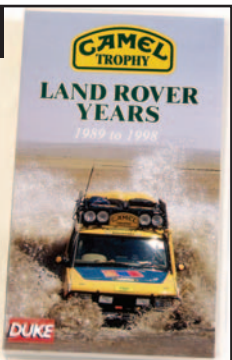
'Best of British - Land Rover' **RD1033**  
60 minutes.

## VIDEO / DVD

### CAMEL TROPHY - THE LAND ROVER YEARS

Focussing on the Land Rovers involved in the prestigious Camel Trophy. Footage from over a decade of competition 1988 - 1999. Available on DVD and VHS video.

DVD **RX1541D**  
VIDEO **RX1541V**



**TO ORDER CALL 01522 568000**

**ACCESSORIES**

DESCRIPTION

PART No.

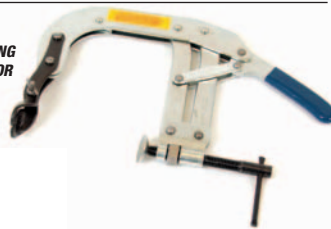
## TOOLS

HYDRAULIC JACK



Hydraulic jack **ANR4489**  
 Handle for jack **NTC6856**  
 Wheelbrace standard **NTC7829**  
 heavy duty **595336HD**  
 Wheel chock (each) **ANR3052**  
 Tyre pump **523638A**  
 Hub nut box spanner **RTC639**

VALVE SPRING COMPRESSOR



Valve spring compressor (OHV) **RX12260HV**  
 Clutch alignment tool **RX1386T**  
*All models exc. early 4SP LT95 (large spline).*

CLUTCH ALIGNMENT TOOL



SPARK PLUG SPANNER

OIL FILTER STRAP WRENCH



Oil filter strap wrench **RX1514**  
 Sump key set (5 piece) **RX1515**  
 Oil pump priming tool **RX1431**  
 Grease gun **RX1423**  
 Spark plug spanner **GAT140**



ROAD SPRING COMPRESSOR



Road spring compressor **RX1328**

DESCRIPTION

PART No.

DESCRIPTION

PART No.

## LUBRICANTS & FLUIDS



Engine oil - V8;  
 Unipart 20W50 **GGL104**  
 4.55 litre (1 gallon)  
 Castrol Classic XL (20W50) **RX1363**  
 4.55 litre (1 gallon).  
 Duckhams Q (20W50) **HMP190100**  
 4.55 litre (1 gallon).  
 Duckhams Q Storage Oil **HMP190104**  
 4.55 litre (1 gallon)  
 Castrol Running-in Oil **RX1417**  
 4.55 litre (1 gallon)  
*For use in new or reconditioned engines during running-in. (Petrol & diesel).*  
 Engine oil - Diesel **GGL658**  
 Unipart 15W40 (5 litres)

Gear oil;  
 Unipart  
 EP90 - 0.5 litre **GGL190**  
 EP90 - 5 litre **GGL805**  
 ATF - 0.5 litre **GGL175**  
 ATF - 5 litre **GGL505**  
 Swivel grease (sachet) **STC3435**  
*1 sachet per swivel housing. Use instead of EP90. Once only application.*  
 Antifreeze;  
*It is recommended that a minimum 50% antifreeze mix is maintained all year round on aluminium engines, to inhibit corrosion.*  
 Unipart - 1 litre **GAC2018**  
 Unipart - 5 litre **GAC2019**  
 Brake/clutch fluid;  
 Dot 3 - 1 litre **GBF103**  
 Silicone - 0.5 litre **RX1327**  
 Silicone -1 litre **RX1326**

## WORKSHOP CONSUMABLES



Grease;  
 lithium grease - 0.5 litre tube **GGL111**  
 rubber grease (red) **514578**  
*For brake assemblies (2oz tube).*  
 swivel grease **STC3435**  
*For use instead of EP90 in swivel housings. Once-only application - no need to top-up (highly recommended). 1 required for each housing.*  
 Cam Lube **RX1358**  
 WD40 (large, 400ml) **GAC111**  
 Radweld (Holts, 250ml) **RX1508**  
 Silicone Sealant (80ml tube) **GHF6093**

Hylomar (gasket sealant) 25g **GGC103**  
 Exhaust jointing compound **GCH112**  
 Copper grease (tube) **RX1345**  
 Brake cleaner (aerosol) **GBF901**  
 Loctite thread lock **GAC100**  
 Trim adhesive (1 litre) **RX1353**  
 Trim adhesive (370g aerosol) **RX1353A**  
 Seam sealer (vinyl hoods) **RX1258**  
 Seam sealer (canvas hoods) **RX1257**  
 Waterproofing - Hood material  
 black - 1 litre **RTX1372**  
 clear - 1 litre **RTX1373**  
 Rubber gloves (box of 100) **RX1406**  
 Castrol oil jugs;  
 1/2 pint **RX1395**  
 1 pint **RX1396**  
 2 pint **RX1397**  
 all 3 jugs **RX1398**



**TO ORDER CALL 01522 568000**

# ROADSIDE EQUIPMENT

**FIRST AID KIT**  
FIRST AID

**WARNING TRIANGLE**

**AA MEMBERSHIP & RELAY PACK**

**SAFETY JACKET**  
SAFETY JACKET

**RUBBER GLOVES**

**SNOW CHAINS**  
SNOW CHAINS

**STC724**  
Tyre pressure/tread depth gauge kit  
Lightweight Disposable Overalls  
Medium (approx 47" chest)  
Large (approx 51" chest)  
Extra large (approx 55" chest)  
Rubber Gloves (100)  
Bulb kit - ideal for touring  
AA membership & Relay pack  
Warning triangle  
Safety jacket (luminous)  
First aid kit  
Fire extinguisher

**RX1408M**  
**RX1408L**  
**RX1408X**  
**RX1406**  
**STC8247AA**  
**RX1329**  
**RX1344**  
**GAC2999**  
**RX1399**  
**GAC9904**

**Snow chains (axle set)**  
Please enquire for other sizes.  
205 x 16 tyre  
235 x 16 tyre

**RTC9589**  
**STC7664**

**FIRE EXTINGUISHER**

**'CONCOURS' SPECIALIST WHEEL CLEANER**

*The 'Concours' specialist wheel cleaning system will help you care for your Classic's wheels.*

Suitable for all Steel, Alloy and Wire wheels (including painted & chromed), 'Concours' wheel cleaning system uses a unique 2-stage process that not only cleans, but gives wheels a superb lasting finish that helps to protect them, making them easier to care for and clean in the future.

**'Concours' Wheel Cleaning Kit** **RX1405**  
Kit includes; special cleaning solution (580ml), wooden handled cleaning brush & dispenser, finishing/protection solution (180ml), 2 pair of disposable gloves.

*Cleaning solution breaks down brake dust & road grime. Brush & dispenser gets into all those awkward places. Finishing/protection solution leaves wheels like new.*

# ACCESSORIES

# BODY CARE

**FINNEGANS 'ANTI-CORROSION' WAXOYL**

Waxoyl starter kit **RX1032**  
Includes; RX1028, RX1030, RX1031.

Waxoyl;

5 Litre can **RX1027**  
2.5 Litre can **RX1029**  
2.5 Litre cartridge **RX1028**

Trigger spray gun **RX1033**  
High pressure spray gun **RX1030**  
Use with 2.5 litre cartridge.

Extension probe **RX1031**  
Use with high pressure spray gun.

Aerosol (400ml) **RX1026**  
Aerosol (200ml) **RX1025**

Underbody seal;

1 litre **RX1024**  
500ml **RX1023**

**AUTOGLYM CAR CARE PRODUCTS**

Autoglym car care pack **RX1510**  
Includes 1 of each item listed below.

Silicone resin polish (300ml) **RX1312**  
Bodywork shampoo conditioner (480ml) **RX1313**  
Car interior shampoo (480ml) **RX1314**  
Glass polish (300ml) **RX1315**  
Cutting polish (300ml) **RX1316**  
Extra gloss protection (300ml) **RX1317**  
Bumper care (300ml) **RX1318**  
Vinyl & rubber care (300ml) **RX1319**  
Leather care cream (300ml) **RX1320**  
Cleans and preserves.

Superglym chrome polish (75g) **RX1321**  
Clean wheels (500ml) **RX1322**  
Perfect polishing cloth (21 Sq Ft) **RX1323**  
Aqua-dry (Synthetic chamois) **RX1324**  
Clean machine (1 Litre) **RX1325**  
Engine Degreaser.

*The following items are not included in the 'Car Care Pack';*

Instant Tyre dressing **RX1368**  
Intensive Tar remover **RX1367**  
Hood care & maintenance kit **RX1433**  
Alloy wheel seal (450ml) **RX1443**  
Silicone spray.

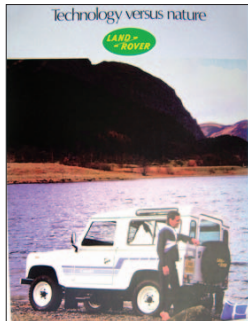
**GENERAL CAR CARE PRODUCTS**

Sponge **RX1415**  
Wash leather **RX1416**

**AD PRINTS**



LL1317



LL1318



LL1319



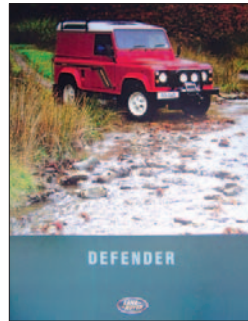
LL1320



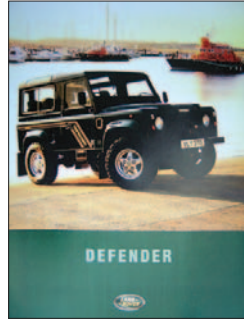
LL1321



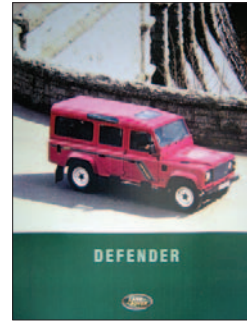
LL1322



LL1323



LL1324



LL1325



LL1326



LL1327



LL1328

**ADVERTISING PRINTS**

Advertising prints (ex publicity);

- Parking in Knightsbridge **LL1317**
- Technology versus nature **LL1318**
- Defender on safari **LL1319**
- Red Ninety **LL1320**
- 3.9 litre V8 in the jungle **LL1321**
- One Ten **LL1322**
- Red Defender by stream **LL1323**
- Black Defender at harbour **LL1324**

- LWB Defender by dam **LL1325**
- British can't cook **LL1326**
- Valuable thoroughbred **LL1227**
- Built on Success **LL1328**

**PERSONAL ORGANISER**



Land Rover personal organiser  
Superb value! 14 x 20cm (6 rings) in dark burgandy with Land Rover badge.

- binder only **STC50440**
- binder & diary insert **STC50440K**



**UNLEADED FUEL ADDITIVES**

Bottled additives are available which can be mixed with either 'Premium' or 'Super' unleaded depending upon application.

It usually works out cheaper to use bottled additives than leaded or LRP - work it out for yourself!

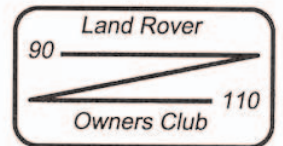
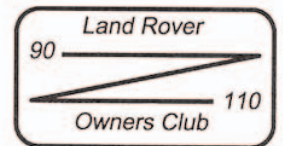


CASTROL VALVEMASTER (250ml) **RX1407VM**  
 CASTROL VALVEMASTER PLUS (250ml) **RX1407VMP**  
 Endorsed by the federation of British Historic Vehicle Clubs (FBHVC), having been independently tested and approved, both products offer a high level of protection against valve seat recession under all driving conditions. In addition, castrol valvemaster plus provides an octane boost to premium unleaded petrol which reduces pinking or knocking on high compression or performance applications. This also usually avoids the need to re-tune your engine. Treats 250 litres of petrol.

**Defender Owners**  
*There is a Club for YOU*



- A Family Orientated Club**
- Annual Holiday Rally**
- Monthly Magazine**
- Local Club Nights**
- Technical Advice**
- Green-Lane Runs**
- National Rally**
- Discounts**
- And lots of Fun**



**For more details**  
**Contact**  
**16 Holly Street**  
**Cannock**  
**Staffordshire**  
**WS11 5RU**  
**01543 424821**  
**www.90-110.com**

**TO ORDER CALL 01522 568000**

DESCRIPTION

PART No.

DESCRIPTION

PART No.

DESCRIPTION

PART No.

**RADIATOR RELIEF**

**COOLING SYSTEM ADDITIVE**

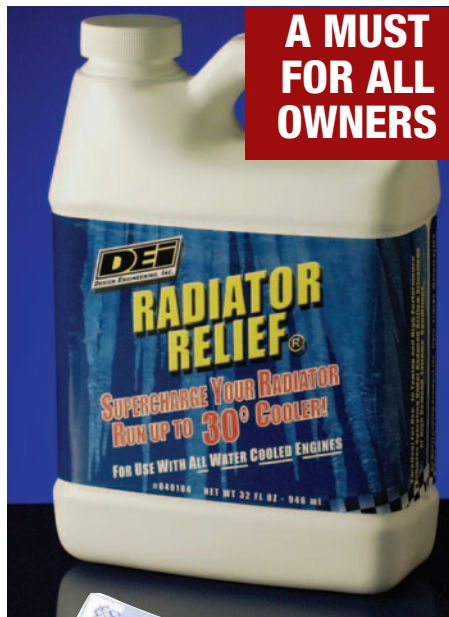
Radiator relief allows your radiator to transfer heat more efficiently, reducing your engines operating temperature (which is obviously controlled by the thermostat) by up to 30°F. You therefore have 'a little bit in hand' for those hot days stuck in traffic. This proven coolant additive will also cut engine warm-up time in half which will reduce engine wear which is most extreme when the engine is cold. Fully compatible with water and anti-freeze and is safe with cast iron and all alloys.

- 30°F lower operating temperature
- 50% quicker warm up time
- Safe with water/antifreeze mixture
- Safe with cast iron, alloy engines and heads
- Increased engine life!
- 100% biodegradable, non corrosive, non toxic
- For use in all water cooled engines

RADIATOR RELIEF (946ml)

**RX1461**

Treats 1 engine.



**AEROSOL PAINTS & TOUCH-IN CRAYONS**



Add the suffix T or A to the appropriate part number:

eg. STC3686T = Touch-in crayon  
STC3686A = Aerosol

Body Colour	Paint Type	Paint Code	Part No.
Alpine white	solid	LRC456	<b>RTC6870</b>
Alveston red	micatallic	LRC696	<b>STC4325</b>
Ardennes green	micatallic	LRC413	<b>RTC6634</b>
Arizona tan			<b>RTC4051</b>
Arran beige	solid	LRC433	<b>RTC5980</b>
Arrles blue	solid	LRC424	<b>RTC6401</b>
Arrow red	solid	LRC390	<b>RTC5728</b>
Atlantic green			<b>STC60747</b>
Atlantis blue	micatallic	LRC632	<b>STC3915</b>
Beluga black	solid	LRC416	<b>RTC5979</b>
Biarritz blue	micatallic	LRC965	<b>STC1773</b>
Bonatti grey	metallic	LRC659	<b>STC4597</b>
Bronze green			<b>RTC4042</b>
Caledonian blue	micatallic	LRC507	<b>STC3822</b>
Cambrian grey	see Slate grey		
Chawton white	micatallic	LRC603	<b>STC3828</b>
Cobar blue	metallic	LRC624	<b>STC3825</b>
Coniston green	solid	LRC570	<b>STC1348</b>
Coniston green	micatallic	LRC637	<b>STC3824</b>
County green	see Ardennes green		
County red	micatallic	LRC467	<b>RTC5983</b>
Davas white	solid	LRC354	<b>RTC4058</b>
Eastnor green	solid	LRC419	<b>RTC5981</b>
Epsom green	micatallic	LRC961	<b>STC1774</b>
Icelandic blue	micatallic	LRC621	<b>STC4323</b>
Ivory	see Davas white		
Kent green	micatallic	LRC647	<b>STC4324</b>
Kinversand	micatallic	LRC609	<b>STC4238</b>
Monte Carlo blue	micatallic	LRC608	<b>STC4595</b>
Montpellier red	micatallic	LRC536	<b>STC1349</b>
Niagara grey	metallic	LRC574	<b>STC1449</b>
Oslo blue	micatallic	LRC644	<b>STC4596</b>
Pacific blue	see Arrles blue		
Pennine grey	solid	LRC476	<b>RTC6869</b>
Portofino red	see Arrow red		
Quicksilver		LRC468	<b>STC7552</b>
Rioja red	micatallic	LRC601	<b>STC2828</b>
Riviera blue	metallic	LRC588	<b>STC2863</b>
Rutland red	solid	LRC607	<b>STC3823</b>
Shire blue			<b>RTC5727</b>
Silver sparkle			<b>STC8927</b>
Slate grey			<b>RTC4054</b>
Stratos blue			<b>RTC4049</b>
Tasman blue	see Stratos blue		
Trocadero red	see County red		
Venetiona red			<b>RTC4035</b>
Windjammer blue	see Arrles blue		
Woodcote green	micatallic	LRC623	<b>STC3827</b>

**GENERAL ITEMS**



'Rimmer Bros' baseball cap

**RX1425**



Rimmer Bros 'Vouchers';  
Vouchers make an ideal present for Classic car owners.

- £5 value **RX1337**
- £10 value **RX1338**
- £20 value **RX1339**
- £50 value **RX1341**



Tax disc holder (Free of charge)

**RX1355**



Land Rover Headphones

**STC50072**



'Rimmer Bros' decal (black & silver) **RA1055**



Leather V8 Key Fob

**RX1537**

**GENERAL USE AEROSOLS**

- Black - Gloss (400ml) **RX4070A**
- Black - Matt (500ml) **RX1266**
- Black - Satin (500ml) **RX1538**
- Silver (Suitable for wheels) (450ml) **RX1265**
- Lacquer - Clear (Suitable for wheels) (400ml) **RX1261**
- Primer - White (150ml) **RX4048A**
- Primer - Red Oxide (150ml) **RX4049A**

- Primer - Grey (150ml) **RX4047A**
- Engine Black (High Heat)
- Aerosol Hy-cote (400ml)
- Black **RX1432A**
- Aluminium **RX1432AL**
- Tin - Brush-on (125ml) **RX1432B**
- Chassis Paint (Black) (For general touch-up)
- Brush on (125ml) **RX4070B**



# GENERAL FASTENERS



## BOLTS (Imperial)

**Bolts have a NON Threaded Shoulder.**

The threaded length can be calculated by multiplying the diameter by 2 and adding 1/4".

Thread Diameter	Bolt Length	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
1/4"	1.5"	UNF	—	GHF102	7/16 AF
1/4"	2"	UNF	—	GHF118	7/16 AF
5/16"	1.5"	UNF	—	GHF104	1/2" AF
5/16"	2"	UNF	—	GHF121	1/2" AF
3/8"	1.5"	UNF	—	GHF106	9/16" AF
3/8"	3"	UNF	—	GHF126	9/16" AF
1/2"	2"	UNF	—	BH608161	3/4" AF
1/2"	2.5"	UNF	—	BH608201	3/4" AF
1/2"	3"	UNF	—	BH608241	3/4" AF
5/8"	3"	UNF	—	GHF113	15/16" AF
5/8"	4"	UNF	—	BH610321	15/16" AF

## BOLTS (Metric)

**Bolts have a NON Threaded Shoulder.**

The threaded length can be calculated by multiplying the diameter by 2 and adding 6mm.

Thread Diameter	Bolt Length	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
M 6	40mm	Metric Fine	1.0	GHF132	10mm
M 8	40mm	Metric Fine	1.25	GHF134	13mm
M 10	40mm	Metric Fine	1.5	GHF136	17mm
M 12	50mm	Metric Fine	1.75	BH112101	19mm
M 12	60mm	Metric Fine	1.75	BH112121	19mm
M 12	80mm	Metric Fine	1.75	BH112161	19mm
M 16	60mm	Metric Fine	2.0	BH116121	21mm
M 16	80mm	Metric Fine	2.0	BH116161A	21mm

## SETSCREWS (Imperial)

**Set screws are Fully Threaded.**

Thread Diameter	Bolt Length	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
1/4"	3/4"	UNF	—	GHF117	7/16" AF
1/4"	1"	UNF	—	GHF101	7/16" AF
5/16"	3/4"	UNF	—	GHF120	1/2" AF
5/16"	1"	UNF	—	GHF103	1/2" AF
3/8"	1"	UNF	—	GHF105	9/16" AF
7/16"	1.5"	UNF	—	GHF107	5/8" AF
1/2"	1.5"	UNF	—	GHF109	3/4" AF
1/4"	1"	UNC	—	GHF161	7/16" AF
1/4"	1.5"	UNC	—	SH504121	7/16" AF
5/16"	1"	UNC	—	GHF163	1/2" AF
5/16"	1.5"	UNC	—	GHF164	1/2" AF
3/8"	1"	UNC	—	GHF165	9/16" AF
3/8"	1.5"	UNC	—	GHF166	9/16" AF

## SETSCREWS (Metric)

**Set screws are Fully Threaded.**

Thread Diameter	Bolt Length	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
M 6	25 mm	Metric Fine	1.0	GHF131	10mm
M 8	25 mm	Metric Fine	1.25	GHF133	13 mm
M 10	25 mm	Metric Fine	1.5	GHF135	17mm

## STEEL NUTS (Plain NON Locking - Imperial)

Thread Diameter	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
3/16"	UNF	—	HN2005	3/8" AF
1/4"	UNF	—	GHF200	7/16" AF
5/16"	UNF	—	GHF201	1/2" AF
3/8"	UNF	—	GHF202	9/16" AF
7/16"	UNF	—	GHF203	5/8" AF
1/2"	UNF	—	GHF204	3/4" AF
3/4"	UNC	—	GHF207	7/16" AF
5/16"	UNC	—	GHF208	1/2" AF
3/8"	UNC	—	GHF209	9/16" AF

## STEEL NUTS (Plain NON Locking - Metric)

Thread Diameter	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
M 4	Metric Fine	0.7	NH104041	7mm
M 6	Metric Fine	1.0	GHF212	10mm
M 8	Metric Fine	1.25	GHF213	13mm
M 10	Metric Fine	1.5	GHF214	17mm
M 12	Metric Fine	1.75	GHF215	19mm

## STEEL NUTS (Nylon Insert Self Locking - Imperial)

Thread Diameter	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
3/16"	UNF	—	GHF220	5/16" AF
1/4"	UNF	—	GHF221	7/16" AF
5/16"	UNF	—	GHF222	1/2" AF
3/8"	UNF	—	GHF223	9/16" AF
7/16"	UNF	—	GHF224	5/8" AF
1/2"	UNF	—	GHF225	3/4" AF
5/8"	UNF	—	138563	15/16" AF

## STEEL NUTS (Nylon Insert Self Locking - Metric)

Thread Diameter	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
M 6	Metric Fine	1.0	NY106041	10mm
M 8	Metric Fine	1.25	GHF232	13mm
M 10	Metric Fine	1.5	GHF233	17 mm
M 12	Metric Fine	1.75	NY112041	19mm

## BRASS NUTS (Standard & Deep Section - Imperial)

Thread Diameter	Thread Type	Thread Pitch	PART NUMBER	Spanner Size
5/16"	Std UNF	—	515369	1/2" AF
3/8"	Std UNF	—	GHF262	9/16" AF
3/8"	Deep UNF	—	AEC350	9/16" AF

## WASHERS (Imperial)

Internal Diameter	Plain Standard Diameter	Repair Large Diameter	Spring Standard Diameter	Shakeproof Standard Diameter
	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
3/16"	WP20	—	—	—
1/4"	GHF300	GHF314	GHF331	GHF321
5/16"	GHF301	GHF315	GHF332	GHF322
3/8"	GHF302	GHF316	GHF333	GHF323
7/16"	WC600071	—	GHF334	GHF324
1/2"	WA112081	—	GHF335	GHF325
5/8"	PWZ110	—	LWZ310	LWZ410

## WASHERS (Metric)

Internal Diameter	*Plain Standard Diameter	*Repair Large Diameter	Spring Standard Diameter	Shakeproof Standard Diameter
	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
M 6	GHF300	GHF314	WL106001	GHF371
M 8	GHF301	GHF315	GHF382	WF108001
M 10	GHF302	GHF316	GHF383	WF110001
M 12	GHF304	—	WL112001	WF112001
M 16	PWZ110	—	WL116001	WF116001

\*Please Note: Some plain and repair washers are suitable for imperial and metric applications eg: GHF300 = 1/4" ID or 6mm ID.

## SELF TAPPING SCREWS

**Countersunk - PoziDrive**

Screw Size	Screw Length	PART NUMBER
6	1/2"	GHF400
6	3/4"	GHF401
8	1/2"	GHF402
8	3/4"	GHF403
10	1/2"	GHF404
10	3/4"	GHF405
12	1/2"	AC612041A
12	1"	AC612081
14	3/4"	AC614061
14	1"	AC614081

## SELF TAPPING SCREWS

**Pan Head - PoziDrive**

Screw Size	Screw Length	PART NUMBER
6	1/2"	GHF421
6	3/4"	GHF422
8	1/2"	Y23404
8	3/4"	GHF424
10	1/2"	GHF425
10	3/4"	Y25505
12	1/2"	GHF427
12	3/4"	GHF428
12	1"	GHF429
14	3/4"	GHF430
14	1"	GHF431

## SPLIT PINS (Imperial)

Pin Thickness	Pin Length	PART NUMBER
1/16"	1.5"	GHF500
5/64"	1.5"	GHF501
3/32"	1.5"	PC34
7/64"	1.5"	GHF503
1/8"	2.25"	PC15
9/64"	2.25"	GHF505
5/32"	2.25"	GHF506
11/64"	2.25"	GHF512
3/16"	3"	GHF513
7/32"	3"	PS614240
1/4"	3"	PS616240

## SPLIT PINS (Metric)

Pin Thickness	Pin Length	PART NUMBER
2.0mm	40mm	PS104400
2.5mm	40mm	GHF509
3.2mm	56mm	GHF510
4.0mm	56mm	GHF511

## CABLE TIES

DIAMETER	PART NUMBER
3 1/2"	GHF1265
5 1/4"	GHF1266
6"	RTC222A
8 3/4"	GHF1267
11"	GHF1268

## POP RIVETS

**Open End Type**

Size	PART NUMBER
2.9mm x 5mm	RA607096
1/8" x 3/16"	RA608126
1/8" x 1/4"	RA608176
1/8" x 5/16"	RA608236
1/8" x 3/8"	RA608253

## POP RIVETS

**Closed End Type**

Size	PART NUMBER
1/8" X 3/8"	RU608123
1/8" x 1/2"	RU608313
3/16" x 5/16"	RU612123

## HOSE CLAMPS

**Stainless Steel (Metric)**

To suit Diameter	PART NUMBER
8-12mm	GHC10408
12-18mm	GHC10410
8-16mm	GHC10411
12-20mm	GHC10412
16-25mm	GHC10413
20-32mm	GHC10414
25-40mm	GHC10415
32-50mm	GHC10416
46-60mm	GHC10417
50-70mm	GHC10418
60-70mm	GHC10419
70-90mm	GHC10420
80-100mm	GHC10421

	PAGE No.
<b>A</b>	
A bars	79
AA membership pack	100
ABS components	62
Accelerator cable	37
Ad prints	101
Aerial, radio	69
Aerosol paints	102
Air conditioning	34
Air filter	8, 37
Air helper springs	93
Air horns	88
Airflow meter	36
Alloy wheels	58
Alpine windows	72
Alternator	65
Anti-roll bar	49
Antifreeze	34
ARB locker	91
ATF oil	45
Autoglym products	100
Auxiliary lamps	88
Axle, front	47
Axle, rear	48

<b>B</b>	
Badges	76
Balljoint, A frame	52
Balljoint, droparm	63
Balljoint, track rod	63
Battery	69
Battery charger	89
Bearing, release	31
Bike carrier	83
Bilstein	56
Block, V8	24
Body cappings	73
Body panels	70
Bolt kits, suspension	54
Bolts & fasteners	103
Bonnet	70
Bonnet release cable	70
Books	97
Braided hoses, brake	62
Brake cleaner	62
Brakes	61
Breathers, engine	36
Bulkhead	70
Bulkhead removal bar	79
Bull bars	79
Bump stop rubber	50
Bumperettes	82
Bumpers	72
Bush kits, suspension	54

	PAGE No.
<b>C</b>	
Caliper, brake	61
Cam lube	21
Camshaft - V8	21
Cap, distributor	8
Carburettor	35
Carpets	77
Centre differential	45
Chassis repair sections	70
Chequer plate	84
Choke cable	37
Chrome ball	47
Cigar lighter	68
Clips, coolant hoses	34
Clock	69
Clutch	31
Clutch fluid	31
Clutch master cylinder	31
Clutch slave cylinder	31
Coil	8
Compression ratio, V8	16
Con rod, V8	29
Condenser (ign)	8
Constant velocity joint	47
Coolant	34
Coolant additive	102
Coolant hoses	33
Copper grease	99
Crank sensor, V8	36
Crankshaft, V8	26
Cubby box	90
CV joint	47
Cylinder heads - V8	17

<b>D</b>	
Damper, steering	63
De Carbon	56
Diesel engine	10
Diff guard	93
Diff locks	91
Differential, axle	47, 48
Dipstick, V8	26
Dis-car-nect	89
Discs, brake	61
Distributor cap	8
Dog guards	90
Door glass	72
Door handles	74
Door mirrors	75
Door seals	74
Doors	71
Drag link	63
Drive plate	28
Drivebelts	8, 28
Driven gear, speedo	45
Driving lamps	67
Drop arm, steering	62

	PAGE No.
<b>E</b>	
E.C.U.	68
Edelbrock Performer carb	35
Efi components	36
Efi upgrade kit	36
Engine mounts	31
Engine, diesel	10
Engine, petrol, 4 cyl	9
EP90 oil	45
Exhaust	38
Exhaust wrap	39

<b>F</b>	
Fan belt	8
Fan, Kenlowe	34
Fasteners	103
Filler cap, fuel	37
Filters	8
Fire extinguisher	100
Flasher units	68
Flexi hoses, brakes	62
Flexible coupling, steering	63
Float needle, SU carbs	35
Float, SU carbs	35
Floor panels	71
Fluid, brake & clutch	31
Flywheel	28
Fog lamps	67, 88
Footwell mats	77, 90
Fridge	89
Front axle	47
Front hub	48
Front wing	70
Fuel additive	101
Fuel filler cap	37
Fuel filter	8, 36
Fuel level sender	36
Fuel pump	36
Fuel system	35
Fuel tank	36
Fuel tank guard	93
Fuses	69

<b>G</b>	
Gaz shocks	56
Gear oil	47
Gearbox	45
Glass	72
Glow plug, diesel	8
Grille, radiator	70
Gun box	90

<b>H</b>	
Halfshaft, axle	47, 48
Handbrake	45
Handbrake shoes	45
Haynes manual	97
Head gasket, V8	24
Headlamp protectors	79
Headlamps	66
Heated seat kits	77
Heater hoses	33
Heater matrix	34
Hiclone	86
High lift jack	91
Holley carb	35
Horn	68
Hose clips, coolant	34
Hotwire efi	35
HT lead protectors	95
Hub adaptors	59
Hubs	47, 48
Hydraulics, brake	62



<b>I</b>	
Ignition components	8, 65
Ignition switch	64
Indicator	67
Injector pump, diesel	37
Injectors, diesel	37
Inspection lamp	88
Instruments	69
Intercooler, diesel	33
Interior lamp	67

<b>J</b>	
Jack	99
Jet, SU carb	35
Jets, Holley carb	35

<b>K</b>	
K&N filters	37
Kenlowe 'Hotstart'	89
Kenlowe fan	34
Knock sensor, V8	36
Koni	56

<b>L</b>	
Ladder - roof	82
Lambda sensor	36
Lamp guards	80
Leads, spark plugs	65
Lift pump, diesel	37
Link, anti-roll bar	49, 51
Loadspace protector	90
Locking diffs	91
Locking wheelnuts	58
Luggage box	82
Lumenition kits	96

<b>M</b>	
Mallory distributors	65
Master cylinder, brake	62
Master cylinder, clutch	31
Matrix, heater	34
Metering needle, SU	35
Mirror glass, doors	75
Mirrors, door	75
Mountings - engine & gearbox	31
Mountney steering wheels	64
Mudflaps	85



**R**

Radiator	32
Radiator muff	85
Radius arm	50
Raised air intake	91
Rear axle	48
Rear hub	48
Rear lamps	67
Rear seat conversion	78
Rear step	75, 81
Rear view mirror	77
Rear wing	71
Rear wiper motor	66
Rebuild kit, V8 engine	23
Reference books	97
Regulator, window	73
Relays	68
Repeater lamps, front	67
Reverse switch	45
Ring gear, flywheel	28
Rivets	103
Roadside equipment	100
Roadwheels	57
Rock sliders	91
Rocker covers, V8	20
Rocker gear, V8	19
Rollover bars	79
Roof rack	82
Rotor arm	8
Running boards	81
Running-in oil	99

**N**

Needle guide, SU	35
Needles, SU carb	35
Non-return valve, servo	62
Nudge bars	79
Number plate lamps	67
Number plates	85
Nuts, roadwheel	58

**O**

Off-road accessories	91
Oil	99
Oil cooler kit, V8	30
Oil filter	8
Oil pump - V8	30
Owner's club	101
Owner's handbooks	97

**P**

Pads, brake	61
Paint	102
Panels	70
Panhard rod	50
Parts books	97
PAS pump	63
Pedal rubber, brake	62
Pedal rubber, clutch	31
Performance engine, V8	15
Personal organiser	101
Pistons, V8	29
Plug leads	8
Polyurethane bushes	49
Potentiometer, throttle	36
Power box	87
Power source inverter	89
Pre-heater plugs, Tdi	8
Preheater, engine	89
Preload, lifter, V8	19
Pressure cap, coolant	32
Propshaft	46
Pulley, Crankshaft	27
Pump, steering	63

**Q**

Quickfinder section	8
---------------------	---

**S**

S.U. carbs	35
S.U. carbs	35
Safari 5000 lamps	67
Seal, windscreen	72
Seals, door	74
Seat belts	78
Seat covers	90
Seat re-trim kits	77
Seats	78
Self-levelling unit	52
Sender, fuel level	36
Sender, temperature	68
Serpentine belt	8, 12
Service items	8
Servo, brake	62
Shear bolt, ignition	64
Shock absorbers	49
Shoes, brake	61
Side lamps	67
Side steps	75, 81
Sills	71
Slave cylinder, clutch31	
Snatch block	92
Snorkel	91
Snow chains	100
Soft tops	65
Solenoid	85

Soundproofing kits	77
Spare wheel carrier	65, 83
Spare wheel covers	60
Spark plugs	83
Speedo cable	45
Speedometer	69
Split pins	103
Sports exhaust system	39
Spring turret	49
Springs, suspension	49, 53
Stainless braided brake hoses	62
Stainless steel exhaust	38
Starter motor	65
Steel wheels	58
Steering box	63
Steering damper	63
Steering guard	93
Steering shaft	63
Steering wheel	64
Stepper motor, efi	36
Stop lamp	88
Stroker kit, V8	26
Stub axle	47, 48
Studs, roadwheels	48
Sump guard	93
Sump plug washer	8
Sump, V8	25
Sunroof	73
Suspension kits	53
Switches and controls	68
Swivel grease	99
Swivel housing	47

**V**

V8 engine	12
Vacuum pump, brake, diesel	62
Valves, V8	19
Vehicle identification	7
Videos	98
Viscous coupling	32
Vouchers	102

**W**

Wading kit	91
Washer jet	66
Washer pump	66
Water pump	32
Waxoyl	100
WD40	99
Weber carb	35
Wheel bearing kit	48
Wheel centres	58
Wheel chock	99
Wheel cleaner	100
Wheel covers	60
Wheel nuts	58
Wheel studs	48
wheelarch eyebrows	73
Wheelarch, front	71
Wheels	57
Winch accessory kit	92
Winches	92
Wind deflectors	73
Window mesh	90
Window regulator	85
Windscreen	72
Windscreen seal	72
Windscreen washers	66
Wings	70
Wipac lamps	67
Wiper blades	66
Wiper motor	66
Work lamp	88
Workshop consumables	99
Workshop manuals	98

**T**

Tailgate	71
Tank, fuel	36
Td5 engine	11
Telephone numbers	4
Tensioner, drivebelt	8
Thermostat, coolant	34
Thermotec	39
Throttle potentiometer	36
Timing belt, diesel	10
Timing chain, V8	22
Timing cover, V8	12, 22
Tonneau cover	85
Tools	99
Top box	82
Touch-in crayons	102
Tow bar	93
Tow rope	93
Towing	93
Track rod	63
Trailer board	45
Transfer gearbox	83
Transfers	76
Turbo-guard	95
Turbocharger	10
Turret, shock absorber	49
Tyres	57

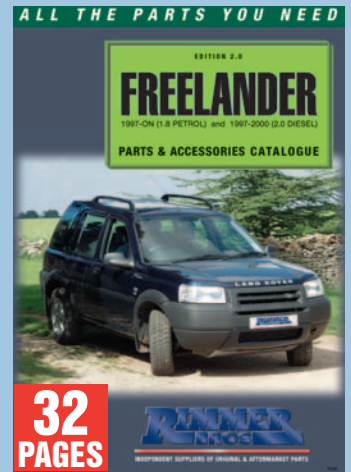
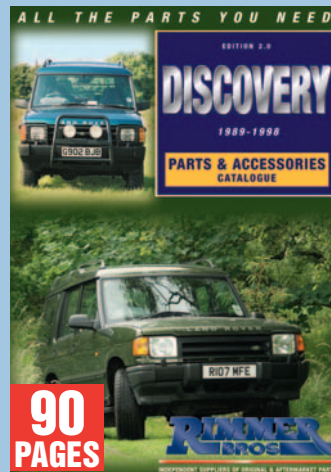
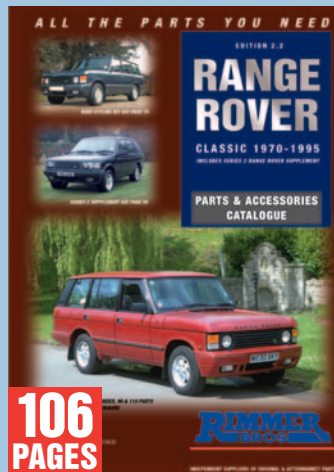
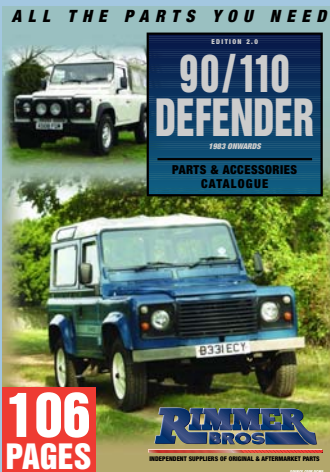
**U**

Underside protection	93
Universal joint	46
Uprated brakes	61
Uprated steering damper	56, 63
Uprated suspension	55



# OUR CATALOGUES

ARE YOUR PASSPORT TO THE FINEST PARTS SERVICE



## RIMMER BROS CATALOGUES

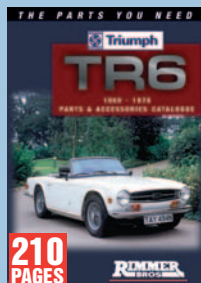
At Rimmers there's still no charge for any of our full colour parts catalogues...

if you've got a car we cover, we'll send you a copy, post free in the UK.

(Small charge for extra catalogues and overseas postage).

For your copy, phone, fax, write or e-mail.

Once registered as a customer for a specific vehicle you will be automatically updated (free of charge) with any new catalogue or price guides as they are published.



**BROWSE OUR CATALOGUES ON YOUR PC!**

All our catalogues and latest Price Guide on one CD rom!  
Part No: Cat CD

A small charge is made to cover our burning costs

