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We’re 2 miles south of Lincoln, on the A15 Lincoln to Sleaford Road.

INDEPENDENT SUPPLIERS OF ORIGINAL & AFTERMARKET PARTS

1983 ONWARDS

PARTS & ACCESSORIES CATALOGUE

90-110 DEFENDER

EDITION 2.0

DEFENDER

1983 ONWARDS

MINIATURE CAT COVER ONLY 11/1/05 10:00 am Page 1
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.

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 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.

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RIMMER BROS CATALOGUES

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.

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RIMMER BROS CATALOGUES

ARE YOUR PASSPORT TO THE FINEST PARTS SERVICE
**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.
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 E...”. 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.

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

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

All the latest news, special offers, products and prices just a ‘click’ away.
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 parts 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.

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.

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.

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.

OVERSEAS ORDERS & PAYMENT

WE EXPORT TO THE

EC & WORLDWIDE

TEL: +44 1522 568000
FAX: +44 1522 567600
E-MAIL: LRsales@rimmerbros.co.uk

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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 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 L777 design. The Spanish-built ‘Santana’ LT185 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 L777S 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-synchronmesh transmission, with synchronesh 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 300tdi variety (independent road tests proved this), and became the corner stone of the early-21st century Defender product line. Soon it be came the only engine available in this big line-up.

It was also much more powerful than the 300tdi:

<table>
<thead>
<tr>
<th>Engine</th>
<th>hp</th>
<th>lb.ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Td5</td>
<td>122bhp</td>
<td>273lb.ft</td>
</tr>
<tr>
<td>300tdi 4-cyl</td>
<td>111bhp</td>
<td>238lb.ft</td>
</tr>
</tbody>
</table>

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:

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

Model year codes are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>1984</td>
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<tr>
<td>GA</td>
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<tr>
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<td>2003</td>
</tr>
<tr>
<td>4A</td>
<td>2004</td>
</tr>
</tbody>
</table>

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 (e.g., engine, gearbox, axle transplants), then care should be taken in ordering the correct parts.

VEHICLE PRODUCTION & SPECIFICATION SUMMARY

ENGINE & TRANSMISSION

<table>
<thead>
<tr>
<th>Model</th>
<th>2.25 petrol</th>
<th>2.5 petrol</th>
<th>2.25 diesel</th>
<th>2.5 NA diesel</th>
<th>2.5 TD</th>
<th>200 &amp; 300TDi</th>
<th>Td5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine capacity (cc)</td>
<td>2286</td>
<td>2495</td>
<td>2286</td>
<td>2495</td>
<td>2495</td>
<td>2495</td>
<td>2495</td>
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<tr>
<td>Cylinders</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Bore (mm)</td>
<td>90.47</td>
<td>90.47</td>
<td>90.47</td>
<td>90.47</td>
<td>90.47</td>
<td>90.47</td>
<td>84.5</td>
</tr>
<tr>
<td>Stroke (mm)</td>
<td>88.90</td>
<td>97.00</td>
<td>88.90</td>
<td>97.00</td>
<td>97.00</td>
<td>97.00</td>
<td>89.00</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>8:1</td>
<td>8:1</td>
<td>23:1</td>
<td>21:1</td>
<td>21:1</td>
<td>19.5:1</td>
<td>19.5:1</td>
</tr>
<tr>
<td>Max power (bhp)</td>
<td>74 @ 4000rpm</td>
<td>83 @ 4000rpm</td>
<td>66 @ 4000rpm</td>
<td>81 @ 4000rpm</td>
<td>111.3 @ 4000rpm</td>
<td>122 @ 4200rpm</td>
<td></td>
</tr>
<tr>
<td>Max torque (lb/ft)</td>
<td>120 @ 2000rpm</td>
<td>133 @ 2000rpm</td>
<td>103 @ 1800rpm</td>
<td>114 @ 1800rpm</td>
<td>195 @ 1800rpm</td>
<td>195 @ 1950rpm</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Model</th>
<th>2.25 petrol</th>
<th>2.5 petrol</th>
<th>2.25 diesel</th>
<th>2.5 NA diesel</th>
<th>2.5 TD</th>
<th>200 &amp; 300TDi</th>
<th>Td5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top speed (mph)</td>
<td>70</td>
<td>75</td>
<td>70</td>
<td>70</td>
<td>80</td>
<td>80</td>
<td>87</td>
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DIMENSIONS

<table>
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<tr>
<th>Model</th>
<th>90</th>
<th>110</th>
<th>130</th>
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</thead>
<tbody>
<tr>
<td>Weight (kg)</td>
<td>1652-1751</td>
<td>1821-2015</td>
<td>2066-2133</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>3722 (soft top), 3883 (hard top)</td>
<td>4438 (soft top), 4599 (hard top)</td>
<td>5152</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>1790</td>
<td>1790</td>
<td>1790</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>1963-2061 (depending on tyres)</td>
<td>2060</td>
<td>2060</td>
</tr>
<tr>
<td>Wheelbase (mm)</td>
<td>2360 (92.9°)</td>
<td>2794 (110°)</td>
<td>3268 (127°)</td>
</tr>
</tbody>
</table>

*Hard top models with rear-mounted spare.
Ignition Components

Distributor cap:
- 2.25 petrol engine
  - Lucas (1) RTC3278
  - Ducellier (1) RTC4932
- 2.5 petrol engine
  - Lucas (1) RTC3278
  - V8 - all models (1) GDC117P
  - Rotar arm:
    - 2.25 petrol engine
      - Lucas (1) RTC3614
      - Ducellier (1) RTC4932
      - V8 - all models (1) GRC117P
    - Contact breaker set (points):
      - 2.25 petrol engine
        - Lucas (1) RTC6627
        - Ducellier (1) RTC6625
        - V8 - all models (1) GDS117P

Plug lead set;
- 4 cyl petrol engines
  - V8
    - all models except V8 efi (1)
      - original (1) RTC6551
    - original performance (silicone) (1) GHT182S
    - V8 efi
      - original (1) RA1340S
      - original performance (silicone) (1) RA1340S

Spark plug;
- 2.25 petrol engine
  - 6:1 compression ratio (4)
    - Lucas (1) RTC3570
  - 7:3 compression ratio (4)
    - Lucas (1) RTC3571
  - 2.5 petrol engine (4)
    - Lucas (1) RTC6627
  - 3.5 litre low compression standard (8)
    - Lucas (1) GSP4382
  - 3.9 litre high compression & non-catalyst standard (8)
    - performance (8) GSP4382HP
  - 5.9 litre high compression & non-catalyst standard (8)
    - performance (8) GSP4382HP

Condenser:
- Lucas (1) RTC6627
- Ducellier (1) RTC6625
- Rotar arm:
  - 2.25 petrol engine
    - Lucas (1) RTC6627
    - Ducellier (1) RTC6625
    - V8 - all models (1) GDS117P

Sump plug washer;
- petrol engines
  - 2.25 & 2.5 4 cyl
    - V8 (1) 603659
  - diesel engines
    - 2.5 NA & 2.5 TD engines (1)
      - 200TDi (1) FRC4808
      - 300TDi (1) ETC7398
    - Td5 (1) ALU1403
  - diesel models
    - 2.5 NA & 2.5 TD engines (1)
      - 200TDi (1) FRC4808
      - 300TDi (1) ETC7398
    - Td5 (1) ALU1403
  - 4 cyl petrol engines (1)
    - Lucas (1) RTC3278
    - V8 - all models (1) GDC117P

Fuel filter element;
- petrol engines
  - 4 cyl engines (1)
    - V8 (1) NRC9238
    - twin carb (1) RTC3479
    - efi (1) RTC4683
  - diesel engines
    - 2.5 NA & 2.5 TD engines (1)
      - 200TDi (1) NRC9238
      - 300TDi (1) ETC7398
    - Td5 (1) ETC7398
  - Fuel filter element;
    - petrol engines
      - 4 cyl engines (1)
        - V8 (1) NRC9238
        - twin carburettor (1)
          - efi (1) ETC7398
        - diesel engines
          - 2.5 NA & 2.5 TD engines (1)
            - 200/300TDi - unheated (1) GFE5296
            - includes seal.
            - Td5 (1) ETC7398
        - Seal - fuel filter element;
          - 4 cyl petrol engines & V8 twin carb
            - upper seal (1) JSE660L
            - lower bolt seal (1) JSE660L
            - inner (1) JSE660L
            - outer (1) JSE660L
          - 2.5 NA & 2.5 TD engines (1)
            - upper (1) JSE660L
            - lower (1) JSE660L
            - JSE660L

Air filter element;
- 4 cylinder
  - V8 (1) NRC9238
  - twin carb (1) RTC3479
  - efi (1) RTC4683

Drive belts
- Drive belt - water pump;
  - 2.25 petrol engines (1)
    - Lucas (1) RTC6627
  - 2.5 petrol engine
    - Lucas (1) RTC6627
    - V8 - all models (1) GDS117P

Serpentine belt:
- Single belt driving all ancillary components.
- 300TDi - serpentine ancillary belt
  - to eng.no. 16L25164 (1)
  - Lucas (1) ERR3287
  - eng.no 16L25165 on (1)
  - Standard (1)
  - LUCAS & ROTOR ARMS

More stock everyday
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
### 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 dispatch 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.

### 2.5 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

### Cylinder head - unleaded;

2.25 - complete assembly

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard recon</td>
<td>1</td>
<td>LL1249R</td>
</tr>
<tr>
<td>Performance recon</td>
<td>1</td>
<td>LL1249RUR</td>
</tr>
<tr>
<td>2.5 - complete assembly</td>
<td>1</td>
<td>LL1250R</td>
</tr>
<tr>
<td>Performance recon</td>
<td>1</td>
<td>LL1250RUR</td>
</tr>
</tbody>
</table>

Cam bearing set

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<tr>
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<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine set of 4 cam bearings</td>
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<td>LL1071</td>
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Core plug set

<table>
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<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine set of core plugs</td>
<td>1</td>
<td>ERR531</td>
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Gasket - side cover - block

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<tr>
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</tr>
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<tbody>
<tr>
<td>Main bearings - engine set</td>
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<td>ERR1475</td>
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2.25 petrol engine

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<tr>
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<td>LL1249R</td>
</tr>
<tr>
<td>0.010&quot; undersize</td>
<td>1</td>
<td>LL1249RUR</td>
</tr>
<tr>
<td>0.020&quot; undersize</td>
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2.5 petrol engine

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<tbody>
<tr>
<td>Engine number 17H 25700C</td>
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Thrust washer set (pair): standard size

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<th>Description</th>
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<th>PART No</th>
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<tbody>
<tr>
<td>0.010&quot; undersize</td>
<td>1</td>
<td>LL1249RUR</td>
</tr>
<tr>
<td>0.025&quot; oversize</td>
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<tr>
<td>0.050&quot; oversize</td>
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<td>LL1249RUR</td>
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<tr>
<td>0.075&quot; oversize</td>
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<tr>
<td>0.10&quot; oversize</td>
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</table>

Big end bearings - engine set

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<th>PART No</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>0.010&quot; undersize</td>
<td>1</td>
<td>LL1249RUR</td>
</tr>
<tr>
<td>0.020&quot; undersize</td>
<td>1</td>
<td>LL1249RUR</td>
</tr>
<tr>
<td>0.030&quot; undersize</td>
<td>1</td>
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</tr>
<tr>
<td>0.040&quot; undersize</td>
<td>1</td>
<td>LL1249RUR</td>
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</table>

### Engine Components - 4 Cylinder Petrol

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

2.5 petrol engine (1)

<table>
<thead>
<tr>
<th>Description</th>
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<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piston rings (per piston)</td>
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Piston rings

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</tr>
</thead>
<tbody>
<tr>
<td>Standard size</td>
<td>4</td>
<td>LL1249R</td>
</tr>
<tr>
<td>0.020&quot; oversize</td>
<td>4</td>
<td>LL1249RUR</td>
</tr>
<tr>
<td>0.040&quot; oversize</td>
<td>4</td>
<td>LL1249RUR</td>
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2.5 petrol engine

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard size</td>
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Oil seals - crankshaft;

<table>
<thead>
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<th>PART No</th>
</tr>
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<td>2.5 petrol engine</td>
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Front crankshaft seal

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Single lip seal</td>
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</tr>
</tbody>
</table>

- with air con
  - twin lip seal (1) LL1249RUR
  - rear crankshaft seal (1) ERR736

- without air con
  - twin lip seal (1) LL1249RUR
  - rear crankshaft seal (1) ERR736

Oil pump assembly;

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

Gasket - oil pump assembly

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<thead>
<tr>
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<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
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Sump gasket

<table>
<thead>
<tr>
<th>Description</th>
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<th>PART No</th>
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<tbody>
<tr>
<td>LL1072</td>
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Sump plug washer

<table>
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<th>QTY REQ</th>
<th>PART No</th>
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</thead>
<tbody>
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Front cover gaskets;

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<tr>
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<th>PART No</th>
</tr>
</thead>
<tbody>
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<td>1</td>
<td>LL1249R</td>
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Coolant pump body gasket

<table>
<thead>
<tr>
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<th>QTY REQ</th>
<th>PART No</th>
</tr>
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<tbody>
<tr>
<td>LL1072</td>
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<td>LL1249R</td>
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Water gallery plate gasket

<table>
<thead>
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<th>PART No</th>
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</thead>
<tbody>
<tr>
<td>LL1072</td>
<td>1</td>
<td>LL1249R</td>
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</table>

Timing chain;

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
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Timing chain;

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL1072</td>
<td>1</td>
<td>LL1249R</td>
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</table>

Tensioner - timing chain;

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
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<td>LL1249R</td>
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Rocking cover gasket

<table>
<thead>
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<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL1072</td>
<td>1</td>
<td>LL1249R</td>
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</tbody>
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Oil filler cap

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL1072</td>
<td>1</td>
<td>LL1249R</td>
</tr>
</tbody>
</table>

Oil breather cap

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
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2.5 petrol engine

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil filler cap</td>
<td>1</td>
<td>LL1249R</td>
</tr>
<tr>
<td>Oil breather cap</td>
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<td>LL1249R</td>
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</tbody>
</table>

Lower engine gasket set

<table>
<thead>
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<th>PART No</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL1072</td>
<td>1</td>
<td>LL1249R</td>
</tr>
</tbody>
</table>

### 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**

**HEAD GASKET SET (STC1640)**
**Engines - 4 Cylinder Diesel**

Rimmer Bros are an appointed distributor for Europower, an IS09002 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 magna 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.

**2.5 diesel engine**

- 3 main bearings (short engine: LL1234R, stripped engine: LL1235R)
- 5 main bearings (short engine: LL1236R, stripped engine: LL1237R)
- 2.5 (Non turbo) engine (short engine: LL1238R, stripped engine: LL1239R)
- 2.5TD engine (short engine: LL1240R, stripped engine: LL1241R)
- 200Tdi engine (short engine: RTC656R, stripped engine: STC1065R)
- 300Tdi engine (short engine: STC1675R, stripped engine: STC1736R)

### Engine Components - 4 Cylinder Diesel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cylinder head</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.25 - complete, recon</td>
<td>(1)</td>
<td>LL1253R</td>
</tr>
<tr>
<td>2.5 (Non turbo) - complete, recon</td>
<td>(1)</td>
<td>LL1254R</td>
</tr>
<tr>
<td>2.5TD - complete, recon</td>
<td>(1)</td>
<td>LL1255R</td>
</tr>
<tr>
<td>bare, new</td>
<td>(1)</td>
<td>RTC686R</td>
</tr>
<tr>
<td>complete, new</td>
<td>(1)</td>
<td>RTC689N</td>
</tr>
<tr>
<td>complete, recon</td>
<td>(1)</td>
<td>RTC689R</td>
</tr>
<tr>
<td>300Tdi bare, new</td>
<td>(1)</td>
<td>ERR5027</td>
</tr>
<tr>
<td>complete, new</td>
<td>(1)</td>
<td>ERR5027N</td>
</tr>
<tr>
<td>complete, recon</td>
<td>(1)</td>
<td>ERR5027R</td>
</tr>
<tr>
<td>Cam bearing set</td>
<td>(1)</td>
<td>LL1071</td>
</tr>
<tr>
<td><strong>Engine set of 4 cam bearings</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suitable for 2.5 NA &amp; 2 TD and 200/300Tdi engines.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core plug set</td>
<td>(1)</td>
<td>LL1079</td>
</tr>
<tr>
<td>Engine set of core plugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5 NA &amp; 2.5 TD</td>
<td>(1)</td>
<td>LL1080</td>
</tr>
<tr>
<td>200/300Tdi</td>
<td>(1)</td>
<td>ERR531</td>
</tr>
<tr>
<td>&quot;O&quot;-ring - inlet manifold connector</td>
<td>(1)</td>
<td>ERR531</td>
</tr>
<tr>
<td>Eng.no, 12J 43825C on (2.5 NA) &amp; TAJ 217525C on (2.5 TD).</td>
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<td></td>
</tr>
<tr>
<td>Gasket - side cover - block</td>
<td>(1)</td>
<td>ERR1475</td>
</tr>
<tr>
<td>4 cylinder diesel engines only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasket - turbo drain pipe - 300Tdi(1)</td>
<td>ERR1653</td>
<td></td>
</tr>
</tbody>
</table>

### Oil Seals

**Oil seals - engine:**

- front crankshaft oil seal; 2.5 NA & 2.5 TD (inner: ER6490, outer: ETC4154)
- 200Tdi (inner: ER6490, outer: ETC4154)
- 300Tdi (inner: ER4575, outer: ETC7143)
- rear crank seal - all engines (camshaft seal; all engines except 300Tdi (inner: ERR5064, outer: ETC3336, "O"-ring - crank pulley (300Tdi)(1): ERR4710)

### Oil Pump

**Oil pump assembly:**

- 2.5 NA & 2.5 TD engines (200Tdi: ETC1638, 300Tdi: ETC2393)
- 200TDi (1) ERR2409
- oil pump rotor gears - 300Tdi (inside timing cover: ETC3407, oil filter - all 4 cyl.diesel engines: ETC4154, ETC8408, All diesel engines: ETC6438, FRC4808)
- Sump gasket (not Tdi): 2.5 NA & 2.5 TD engines (200Tdi: ETC7398, 300Tdi: ALU1403L)

### Turbocharger

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

**Turbocharger assembly:**

- 2.5 TD (1) STC99
- 200Tdi (1) ETC3751
- 300Tdi (1) ETC4802

**Gaskets**

- Front cover gaskets; 2.5 NA & 2.5 TD (front cover inner gasket: S38039, front cover outer gasket: ERR3616, front cover lower gasket: ERR3615, cover plate gasket: ERR3614)
- Small circular plate on outer cover, 200Tdi (1)
- front cover inner gasket (1): S38039
- coolant pump body gasket (1): ERR1607
- front cover outer gasket (1): ERR1553
- cover plate gasket (1): ERR635
- 300Tdi (1)
- front cover inner gasket (1): ERR4860
- front cover outer gasket (1): ERR7293
- cover plate gasket (1): ERR7259
- Small circular plate on outer cover, 200Tdi (1)

### Cylinder head gasket;

- 2.5 NA & 2.5 TD engines (200/300Tdi: ETC3618)
- 1 hole (1.30mm): ERR2561
- 2 holes (1.40mm): ERR2562
- 3 holes (1.50mm): ERR2563

### Rocker cover gasket;

- 2.5 NA & 2.5 TD engines (1)
- 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) STC3774
- 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

**To Order Call 01522 568000**
# Engine Components - TD5 Diesel

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>Req.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Short Engine (all) Exchange</strong></td>
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<tr>
<td>Engine, complete recon:</td>
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<tr>
<td>Short engine (all) (1)</td>
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<td>LBB001200R</td>
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<tr>
<td>Stripped engine Exchange:</td>
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<tr>
<td>Early (to 1A622423) (1)</td>
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<td></td>
<td>LBB001180R</td>
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<tr>
<td>Late (from 2A622424) (1)</td>
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<td>LBB001190R</td>
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<tr>
<td>Cylinder head, complete recon:</td>
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<tr>
<td>up to VIN 1A622423 (1)</td>
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<td></td>
<td>LDF107860R</td>
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<tr>
<td>VIN 2A622424 on (1)</td>
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<td>LDF000890R</td>
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<td>Gaskets - engine:</td>
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<tr>
<td>Sump gasket</td>
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<td>LUF500040</td>
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<tr>
<td>Oil pump to block gasket</td>
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<td></td>
<td>LVG100340</td>
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<tr>
<td>Cylinder head gasket</td>
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<td>1 hole (1.27mm)</td>
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<tr>
<td>2 holes (1.20mm)</td>
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<td>LVB000280</td>
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<td>3 holes (1.35mm)</td>
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<td>ERR7094</td>
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<tr>
<td>Cam cover gasket</td>
<td>(1)</td>
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<td>ERR7155</td>
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<tr>
<td>Oil filter housing gasket</td>
<td>(1)</td>
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<td>LWH100230</td>
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<tr>
<td><strong>Cylinder head, complete recon:</strong></td>
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<tr>
<td>Early (to 1A622423) (1)</td>
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<td>LDF107860R</td>
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<tr>
<td>Late (from 2A622424) (1)</td>
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<td>LDF000890R</td>
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<tr>
<td>Gaskets - engine:</td>
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<td></td>
</tr>
<tr>
<td>Sump gasket</td>
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<td>LUF500040</td>
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<td>Oil pump to block gasket</td>
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<td>LVG100340</td>
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<tr>
<td>Cylinder head gasket</td>
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<td>1 hole (1.27mm)</td>
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<td>2 holes (1.20mm)</td>
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<tr>
<td><strong>Oil seals - engine:</strong></td>
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<tr>
<td>Crankshaft front seal</td>
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<td>ERRS992</td>
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<tr>
<td>Rear seal camshaft</td>
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<td>ERRS859</td>
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<td>Rear seal</td>
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<td><strong>Oil filter:</strong></td>
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<tr>
<td>Oil filter washer</td>
<td>(1)</td>
<td></td>
<td>CDU1001</td>
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<tr>
<td>‘O’-ring - oil pick-up pipe</td>
<td>(1)</td>
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<td>ERR6401</td>
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<tr>
<td><strong>Timing chain &amp; sprocket kit:</strong></td>
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<td>Timing chain &amp; sprocket kit</td>
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<td></td>
<td>LHA000030</td>
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<tr>
<td>Timing chain &amp; sprocket kit</td>
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<td>LHA000030</td>
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<td><strong>Core plug set:</strong></td>
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<tr>
<td>Main bearings - engine set</td>
<td>(1)</td>
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<td>STC3299</td>
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<tr>
<td>Thrust washer set (pair)</td>
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<td>ERRS345</td>
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<td>Big end bearings - engine set</td>
<td>(1)</td>
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<td>STC3300</td>
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<tr>
<td>Little end bush - conrod</td>
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<td>ERR6878</td>
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<tr>
<td>Piston rings (per piston);</td>
<td>(5)</td>
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<td>LFT100300</td>
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<tr>
<td>to eng. no.10P13888B</td>
<td>(5)</td>
<td></td>
<td>STC4668</td>
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<tr>
<td>Bearing - viscous fan</td>
<td>(1)</td>
<td></td>
<td>ERRS285</td>
</tr>
<tr>
<td>Located in engine front cover</td>
<td></td>
<td></td>
<td>CR110625</td>
</tr>
</tbody>
</table>

** 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.
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.
The Land Rover 90 & 110 were available from 1985 fitted with 3.5 litre turbocharged, carburator-fed V8 90 or 110 produced 314hp and 167 lb ft torque, which were reasonably impressive figures for the standards of the day. However, there was a 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 the increased power and torque. Eventually - in 1998 - Land Rover followed suit and using Rover SD1 Vitesses, Range Rovers, Discoverys and their own Rover V8 transplants, starting with either an automatically transmission.

There are two basic types of Rover V8 engine: a 4.0 litre efi, engines are the choice for anyone wishing to identify the type of engine fitted before ordering your parts. If you have a non factory-fitted V8 engine in your Land Rover, please contact us for a quotation or to discuss your requirements. We are pleased to be able to offer a fitting service for either our full or short engines. Please contact us for the quotation or to discuss your requirements. We are pleased to be able to offer a fitting service for either our full or short engines.

Rover vehicle. 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 Engines. These engines are available in two formats: Standard and Performance.

Standard engines are the choice for anyone wishing to replace an original engine with one of a similar type. These engines are a true 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 Air Rails - fitted to carb engines).

Performance engines incorporate modifications designed to increase horsepower and torque - such as big valves, high lift camshafts and fast road camshafts - and usually require modifications to the fuel system (including EFI 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: “Hot and/or Air injection” are terms applied to engines equipped with Air Rail type cylinder heads; i.e. cylinder heads with steel pipes located just above the exhaust ports (fitted to carb Range Rover & TR6 engines only). "Detoxed" refers to a variety of emission control devices - including Air Rails - fitted to carb engines.

---

**TO ORDER CALL 01522 568000**

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**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**

5005000EC

---

**FACTORY 3.9 LITRE ENGINES**

47A40001 Morgan +8 9.35:1cr efi 1983 onwards 20050001 Morgan +8 8.13:1cr efi 1983 onwards

50050001 Morgan +8 9.35:1cr efi 1983 onwards 23000001 Rover/efi auto 8.13:1cr 1986 onwards

50060001 Rover/efi manual 9.35:1cr 1986 onwards 24000001 Rover/efi auto 8.13:1cr 1986 onwards


50080001 Rover/efi auto 8.13:1cr 1986 onwards 27000001 Rover/efi auto 8.13:1cr 1986 onwards

50090001 Rover/efi manual 9.35:1cr 1986 onwards 28000001 Rover/efi auto 8.13:1cr 1986 onwards


50110001 Rover/efi manual 9.35:1cr 1986 onwards 30000001 Rover/efi auto 8.13:1cr 1986 onwards

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**FACTORY 4.2 LITRE ENGINE**

40000001 Rover 4.2efi 8.94:1cr 1992 onwards

---

**FACTORY 4.4 LITRE ENGINES**

42000001 S2 Rover 4.0efi 8.13:1cr 1992 onwards 44200001 S2 Rover 4.0efi 8.13:1cr 1992 onwards

50000001 S2 Rover 4.0efi 8.13:1cr 1992 onwards 57000001 S2 Rover 4.0efi 8.13:1cr 1992 onwards

59000001 S2 Rover 4.0efi 8.13:1cr 1992 onwards 93000001 S2 Rover 4.0efi 8.13:1cr 1992 onwards

59030001 S2 Rover 4.0efi 8.13:1cr 1992 onwards 99000001 S2 Rover 4.0efi 8.13:1cr 1992 onwards

---

**FACTORY 4.5 LITRE ENGINE**


---

**MISCELLANEOUS ENGINES**

54000001 Morgan 4.0 4.0 1983 onwards 37AD0000 Morgan +8 4.0 1983 onwards

37AD0000 Morgan +8 4.0 1983 onwards 47AD0000 Morgan +8 4.0 1983 onwards

47B0000 Morgan +8 4.0 1983 onwards 47V0000 Morgan +8 4.0 1983 onwards

---

**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 the quotation or to discuss your requirements. **OUR CHARGES ARE VERY REASONABLE!!**
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.

V8 ENGINE UPDATE
REVISED ENGINE SPECIFICATION AND LISTINGS
LONG AND FULL ENGINES

APPLICABLE TO THE FOLLOWING CATALOGUES:-

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’. Surchage will only be refunded upon receipt & inspection of suitable old unit.

3.5 Litre Long Engine

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

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’. Surchage will only be refunded upon receipt & inspection of suitable old unit.

4.0 Litre Performance Long Engine

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) Includes oil, filter, gaskets etc.

4.6 Litre Performance Long Engine

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) Includes oil, filter, gaskets etc.

5.2 Litre Performance Long Engine

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) Includes oil, filter, gaskets etc.

5.5 Litre Performance Long Engine

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) Includes oil, filter, gaskets etc.

V8 Engines - ‘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
Pre-series 2 (P38A) Range Rover applications (to 95).

Installation Kit (1)

4.8 Litre Rebuilt Short Engine

Installation Kit (1)

5.2 Litre Rebuilt Short Engine

Installation Kit (1)

Surcharge will only be refunded upon receipt & inspection of suitable old unit.

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

Installation Kit (1)

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

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

<table>
<thead>
<tr>
<th>Capacity</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0 litre</td>
<td>(1)</td>
<td>ERR5012ST</td>
</tr>
<tr>
<td>4.6 litre</td>
<td>(1)</td>
<td>ERR5013ST</td>
</tr>
</tbody>
</table>

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 (4.5 litre blocks are not cross-bolted), with the addition of new timing cover/oil pump assembly, new sump and new rocker gear.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 litre</td>
<td>(1)</td>
<td>RA1227</td>
</tr>
<tr>
<td>4.0 litre</td>
<td>(1)</td>
<td>RA1228</td>
</tr>
<tr>
<td>4.6 litre</td>
<td>(1)</td>
<td>RA1229</td>
</tr>
</tbody>
</table>

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. Specification is the same as new long engines (3.5 litre blocks are not cross-bolted), with new, cross-bolted, large-bearing block assembly, fitted with new cylinder heads and standard camshaft & timing gear.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 litre</td>
<td>(1)</td>
<td>RA1227R</td>
</tr>
<tr>
<td>3.9 litre</td>
<td>(1)</td>
<td>RA1228R</td>
</tr>
<tr>
<td>4.6 litre</td>
<td>(1)</td>
<td>RA1229R</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 litre</td>
<td>(1)</td>
<td>RA1227R</td>
</tr>
<tr>
<td>3.9 litre</td>
<td>(1)</td>
<td>RA1228R</td>
</tr>
<tr>
<td>4.6 litre</td>
<td>(1)</td>
<td>RA1229R</td>
</tr>
</tbody>
</table>

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 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

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 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. 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).

**To order call 01522 568000**
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).

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0 litre</td>
<td>(1)</td>
<td>RA1230R</td>
</tr>
<tr>
<td>4.6 litre</td>
<td>(1)</td>
<td>RA1231R</td>
</tr>
<tr>
<td>4.8 litre</td>
<td>(1)</td>
<td>RA1232R</td>
</tr>
<tr>
<td>5.2 litre</td>
<td>(1)</td>
<td>RA1339R</td>
</tr>
</tbody>
</table>

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.

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Peak Power</th>
<th>Peak Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Engines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.5 litre</td>
<td>165 bhp</td>
<td>190 lb/ft</td>
</tr>
<tr>
<td>3.9 litre</td>
<td>200 bhp</td>
<td>240 lb/ft</td>
</tr>
<tr>
<td>4.6 litre</td>
<td>220 bhp</td>
<td>290 lb/ft</td>
</tr>
</tbody>
</table>

| 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
3.5 litre - new short engine
High compression (9.35:1) (1) RB7121

3.5 litre - reconst short engine (exchange)
High compression (9.35:1) (1) RB7121R

3.9 litre - new short engine (1)
RB7487
High compression* (9.35:1) (1) STC1891
*Please see Note regarding “Compression Ratios - Cylinder Heads & Short Engines”, right.

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) STC1892
High compression* (9.35:1) (1) STC1893
*Please see Note regarding “Compression Ratios - Cylinder Heads & Short Engines”, right.

4.2 litre - short engine (1)
ER4171
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. 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.

4.8 litre - new short engine - high compression Pre-Serie 2 Range Rover applications. Suitable for use with pre-Serie 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.
Low compression* (8.13:1) (1) STC1893HC
*Please see Note regarding “Compression Ratios, Cylinder Heads & Short Engines”, right.

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.

5.3 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.

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.

IMPORTANT NOTES - SHORT ENGINES

SHORT ENGINE

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.

SHORT ENGINE & CYLINDER HEAD APPLICATIONS

<table>
<thead>
<tr>
<th>SHORT ENGINE</th>
<th>CYLINDER HEADS</th>
<th>SWEEP VOL/CYL</th>
<th>CC &amp; TDC</th>
<th>HEADS REQUIRED</th>
<th>HEAD GASKETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETC7714/R</td>
<td>3.5 STD 8.13cr</td>
<td>441.51</td>
<td>25</td>
<td>34-36cc</td>
<td>Std</td>
</tr>
<tr>
<td>RB7121/R</td>
<td>3.5 STD 9.35cr</td>
<td>441.51</td>
<td>15</td>
<td>34-36cc</td>
<td>Std</td>
</tr>
<tr>
<td>RB7487/R</td>
<td>3.9 STD 9.35cr</td>
<td>494</td>
<td>23</td>
<td>34-36cc</td>
<td>Std</td>
</tr>
<tr>
<td>RB7487/RUR</td>
<td>3.9 STD 9.35cr</td>
<td>494</td>
<td>23</td>
<td>34-36cc</td>
<td>Std</td>
</tr>
<tr>
<td>ER4171/R</td>
<td>4.2 STD 9.49cr</td>
<td>534.81</td>
<td>29</td>
<td>34-36cc</td>
<td>Std</td>
</tr>
<tr>
<td>STC1890</td>
<td>4.0 STD 8.13cr</td>
<td>494</td>
<td>23</td>
<td>28cc</td>
<td>Comp</td>
</tr>
<tr>
<td>STC1891</td>
<td>4.0 STD 9.35cr</td>
<td>494</td>
<td>23</td>
<td>28cc</td>
<td>Comp</td>
</tr>
<tr>
<td>STC1892</td>
<td>4.6 STD 8.13cr</td>
<td>569.62</td>
<td>44</td>
<td>28cc</td>
<td>Comp</td>
</tr>
<tr>
<td>STC1893</td>
<td>4.6 STD 9.35cr</td>
<td>569.62</td>
<td>31</td>
<td>28cc</td>
<td>Comp</td>
</tr>
<tr>
<td>STC1893HC</td>
<td>4.6 HI COMP</td>
<td>569.62</td>
<td>29</td>
<td>34-36cc</td>
<td>Std</td>
</tr>
</tbody>
</table>

TO ORDER CALL 01522 568000
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. 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.

TO ORDER CALL 01522 568000

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.

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.
### 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 39.1mm 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’. 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 Cylinder Head

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>with 3 rows of head bolts</td>
<td>Pre - '95 applications. 34-36cc combustion chambers. 3/3 end bolt type</td>
<td>(1)</td>
</tr>
<tr>
<td>3/4 end bolt type</td>
<td>(1)</td>
<td>RB7467RS1B</td>
</tr>
<tr>
<td>4/4 end bolt type</td>
<td>(1)</td>
<td>RB7467RS1C</td>
</tr>
<tr>
<td>with 2 rows of head bolts</td>
<td>Pre - '95 applications. 28cc combustion chambers. 4/4 end bolt type.</td>
<td></td>
</tr>
<tr>
<td>with 3 rows of head bolts</td>
<td>Pre - '95 applications. 34-36cc combustion chambers. 3/3 end bolt type</td>
<td>(1)</td>
</tr>
<tr>
<td>3/4 end bolt type</td>
<td>(1)</td>
<td>RB7467RS3B</td>
</tr>
<tr>
<td>4/4 end bolt type</td>
<td>(1)</td>
<td>RB7467RS3C</td>
</tr>
<tr>
<td>with 2 rows of head bolts</td>
<td>Pre - '95 applications. 28cc combustion chambers. 4/4 end bolt type.</td>
<td></td>
</tr>
</tbody>
</table>

### Stage 4 Cylinder Head

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>with 3 rows of head bolts</td>
<td>Pre - '95 applications. 34-36cc combustion chambers. 3/3 end bolt type</td>
<td>(1)</td>
</tr>
<tr>
<td>3/4 end bolt type</td>
<td>(1)</td>
<td>RB7467RS4B</td>
</tr>
<tr>
<td>4/4 end bolt type</td>
<td>(1)</td>
<td>RB7467RS4C</td>
</tr>
<tr>
<td>with 2 rows of head bolts</td>
<td>Pre - '95 applications. 28cc combustion chambers. 4/4 end bolt type.</td>
<td></td>
</tr>
</tbody>
</table>

### V8 Head Gaskets

**Head gasket set - V8;**

- 3.5 litre (88.9mm bore)
  - head gaskets
    - to 1976 (pre SD1) | (1) | GE6165 |
    - 1976 on | (1) | GUG1006HS |
  - composite head gaskets* | (1) | GUG1006HSC |
  - 3.9/4.2 litre (94mm bore)
    - 3 rows of cylinder head bolts.
  - tin gasket | (1) | RB7447 |
  - composite gasket | (1) | RB7447C |
  - 3.9/4/2/4.0/4.6 litre (94mm bore)
    - 2 rows of cylinder head bolts.
  - Head gasket only - V8;
  - 3.5 litre (88.9mm bore)
    - tin gasket | (2) | GE6340 |
    - composite gasket* | (2) | GE6340C |
  - 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 (94mm bore)
    - 2 rows of cylinder head bolts.
  - Head gasket only - V8;
  - 3.5 litre (88.9mm bore)
    - tin gasket | (2) | GE6340 |
    - composite gasket* | (2) | GE6340C |
  - 3.9/4.2 litre
    - 3 rows of cylinder head bolts.
  - tin gasket | (2) | RB7448 |
  - composite gasket* | (2) | RB7448C |

*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: 5cc
- 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).

- long (7/16" UNC x 3.9") (6) | 60219A |
- medium (7/16" UNC x 2.7") (14) | 60219A |
- short (7/16" x 2 1/4") (8) | 60220 |
- short (7/16" x 2 1/4") | 60219A |
- (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 “dugibar” bolts, has not been used since the introduction of the Series 2 Range Rover.

**Washer - cylinder head bolts** (28) | 60209A |

Engine set of ARP cylinder head studs, washers and nuts to replace original bolts. Study improve cylinder head sealing & prevent damage to block threads.
**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 - 44mm, 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. These valves are suitable for the existing valve seats (latter heads only), without the need for extensive machining. For late engines, special waisted end valve springs are required.

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
- Carborurettor engines (early engines (pre 1976) (8)
  - Head diameter: 33mm.
- Head diameter: 34mm.
- efi engines (SD1) (8)
- Range Rover (3.5 litre (8)
- 3.9 & 4.2 litre (8)
- Series 2 Range Rover (8)
- ‘big valve’ (8)
- Head diameter: 41.4mm. With waisted stem. Machining required to valve guide and seat.

### Valve Seat Insert - Inlet
- Early engines: Pre-1976.
  - Standard size: (8)
  - Oversize + 0.010" (8)
- All other engines - Including Series 2 Range Rover.
  - Standard size: (8)
  - ERC224A
  - ERC225A

### Valve Seat Insert - Exhaust
- Early engines: Pre-1976.
  - Standard size only: (8)
  - All other 3.5 litre engines - 1976 on.
  - Standard size: (8)
  - ERC210A
  - ERC211A
  - 3.9 & 4.2 litre & Series 2 Range Rover.
  - Standard (8)
  - ERC596A
  - Oversize + 0.010" (8)

### Valve Guide - Standard
- For all engines (up to 1994 (inlet only) (8)
- 603554
- Plain-topped, oil seals on inlet.
- Late 3.9, 4.2, 4.0 & 4.6 (94 on) (8)
  - ERC368
  - Neoprene type, suitable for earlier engines (pre 1994). Requires stepped valve guide (ERC733).

### Valve Spring - Standard
- Double - early engines (up to 1976) (inner)
  - (16)
  - Outer (16)
  - Single - 1976 on (16)
  - Valve spring - uprated - engine set
  - Single (1)
  - RCA7455
  - Suitable for all engines with standard (8)
  - With large diameter valves on 4.0 litre (16)

### Valve Spring - Standard (early engines)
- Double - early engines (up to 1976) (16)
  - Inlet & exhaust
  - 96062451A
  - Fitted with double valve springs.
  - Single valve springs (16)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

### Valve Spring - Oversize
- Double - early engines (8)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

### Valve Spring - Standard (early engines)
- Double - early engines (up to 1976) (16)
  - Inlet & exhaust
  - 96062451A
  - Fitted with double valve springs.
  - Single valve springs (16)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

### Valve Spring Guide - Standard
- For all engines (up to 1994 (inlet only) (8)
- 603554
- Plain-topped, oil seals on inlet.
- Neoprene type, suitable for earlier engines (pre 1994). Requires stepped valve guide (ERC733).

### Valve Spring Guide - Standard (late engines)
- Double - early engines (up to 1976) (16)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

### Valve Spring Guide - Standard (early engines)
- Double - early engines (up to 1976) (16)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

### Valve Spring Guide - Standard (late engines)
- Double - early engines (up to 1976) (16)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

### Valve Spring Guide - Standard (early engines)
- Double - early engines (up to 1976) (16)
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  - ERC573B
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### Valve Spring Guide - Standard (late engines)
- Double - early engines (up to 1976) (16)
  - ERC573A
  - ERC573B
  - Split cotter - all models
  - (32)

**V8 CYLINDER HEAD & FITTINGS**

**V8 ROCKER GEAR**

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

**Rockershaft assembly**
- (2) 611660A
  - Assembled, ready to fit.

**Rockershaft builder**
- (2) 611660K
  - Includes parts ready for assembly.

**Rockershaft**
- (2) 606661A
  - Pedestal - rocker shaft
  - (8) 607343A
  - Pedestal shims
  - (1) 603734S
  - Includes sets of shims of different thicknesses. Suitable to set “lifter preload” when fitting a new cam with higher lift than standard. See also adjustable push rods, below.

**Rockershaft arm**
- Original spec (alloy)
  - (8) 602153
  - Right hand
  - (8) 602154
  - Left hand
  - (8) 602154ALT
  - (16) 602154ALT
  - Alternative steel arm - non-handed.

**Spaceck spring - rocker shaft**
- (6) 602142A
  - End spring - rocker shaft
  - (4) 602146A
  - Washer: 602146A
  - End washer - rocker shaft
  - (4) 602186A
  - Split pin - rocker shaft
  - (4) 5234

**Push rod**
- Standard
  - (16) 603738
  - Heavy duty
  - (16) 603738HD
  - Larger diameter shaft. Cylinder head guide notes 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.
**V8 Rocker Covers**

Rocker covers - single; SD1/TR8
- grey painted, flat top: (1) ERC262
- unpainted, flat top: (1) ERC263

Range Rover carb engines - curved top
- (1) RTC2350
- (1) ETC8604

Land Rover
- carb engines - curved top: (1) RTC2350
- efi engines - black, flat top: (1) ETC8604

**Rocker Covers - pairs:**
- unpainted: (1) ERC2990
- powder coated: (1) ERC3932

Gasket - rocker cover:
- standard: (2) GEG436
- uprated (rubber): (2) GEG436UR

**Rocker cover T-Bolts - chrome:** (2) RB7440

**Breather/Flame Trap - land rover:**
- Rear of LH rocker cover:
  - original (1): RB7432
  - short type - ½ original size: (1) RB7432LW
  - powder coated:
    - black: (1) RB7432PCB
    - red: (1) RB7432PCR
    - chrome: (1) RB7432C
  - ‘O’ ring/seal-flame trap: (1) 564258

**Breather Filter Foam - efi models:** (1) ERC3209A

**Oil Filler Neck:**
- threaded type (where fitted): (1) ERC2989
- screw-on type (1) ERC1208

**Plug lead Retainer:** (where fitted) (2) 603672

**Cap:** (1) ERC3208A

**Breather Filter Mounting:** (1) ERC3933A

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

---

**POWDER COATED ROCKER COVERS**

**DESCRIPTION**

**QTY REQ.**

**PART No.**

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw - rocker cover retaining; all models except Series 2 Range Rover. long</td>
<td>4</td>
<td>603127</td>
</tr>
<tr>
<td>short</td>
<td>4</td>
<td>602530</td>
</tr>
<tr>
<td>Series 2 Range Rover (8mm spline head) long</td>
<td>4</td>
<td>ERR7371</td>
</tr>
<tr>
<td>short</td>
<td>4</td>
<td>ERR4818</td>
</tr>
<tr>
<td>Spring washer - rocker screws</td>
<td>8</td>
<td>GEF331</td>
</tr>
</tbody>
</table>

---

**TO ORDER CALL 01522 568000**

---

**Refer to Listings**
### 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, 2 or 4 cylinder heads, upgraded fuel systems and Sports Exhausts.

**Fast Road Hydraulics** is a hydraulic camshaft which boosts 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 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). 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.

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

#### Camshaft only - standard;
See also Camshaft Kits.

carb & efi

Note: some later Rover Lissitas, 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

**Camshaft**
- low compression (1) Description: ERC2003A
  - Compression ratio: 8.1:1, 8.2:1, 8.3:1.
- high compression (1) Description: ETC6849
  - Compression ratio: 9.3:1.

**Series 2 Range Rover**
- 4.0 litre (1) Description: ERR3720
- 4.6 litre (1) Description: ERR5250

**Camshaft components**

- Facial seal - manifold gasket
- Tin (1)

**Camshaft components**

- Valve cover - plain
- Each (16)

---

#### Camshaft Components

**Gasket - inlet manifold - all engines**

- For tin (1) Description: ERC3990
  - Composite (1) Description: ERR7306
- Seal - manifold gasket
  - For composite (2) Description: AJM645
  - For tin (2) Description: ERR7283

**Cam follower - hydraulic**

- For each (16) Description: ERC4949
  - Heavy duty (1) Description: ERC4949

**Pedestal shims**

- For each (16) Description: ERC4949HD
  - For composite (1) Description: ERC4949HDK

**Cam lube**

- Essential when installing a new cam & followers. Description: RX1356

**Timing disc (Protractor)**

- (1) Description: RX1359

**Woodruff key - camshaft**

- Early engines (Pre-1976) (1) Description: 19600205
  - All other engines (1) Description: ERC8238

**Thrust bolt - camshaft**

- Dies (1) Description: 602277UR

Replicates the standard (imperial thread) camshaft retaining bolt. Abutting the inside of the timing cover, this Teflon-topped bolt prevents excessive camshaft endfloat.

---

**V8 Camshaft Kits**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard</strong></td>
<td>Suitable for all engines except Series 2 Range Rover.</td>
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<tr>
<td>kit 1</td>
<td>(1)</td>
<td>RB7125</td>
</tr>
<tr>
<td>Includes ERC2003A cam &amp; 16 standard followers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>kit 2</td>
<td>(1)</td>
<td>RB7489</td>
</tr>
<tr>
<td>Includes ERC2003A cam, 16 standard followers, timing chain, timing cover gasket &amp; oil seal, 2 x rocker cover gaskets, inlet manifold gasket &amp; 2 x inlet manifold seals.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Performance**

We offer two Performance cam kits: a hydraulic cam kit and a solid lifter cam kit. Both kits are complete and a simple job for the competent DIY mechanic and both offer a worthwhile performance gain, either on their own or with our Performance cylinder heads.

**Kit includes special grind hydraulic cam, 16 performance followers, adjustable timing chain set, all necessary gaskets & full instructions.**

- Fast Road Hydraulic (1) Description: RB7442HD
- Fast Road Solid (1) Description: RB7442S

**Camshaft kits**

- RB7442S
- RB7442HD

**Camshaft kits**

- RB7442S
- RB7442HD

---

**V8 Engine**

- Carburettor engines

- Compression ratios: 8.1:1, 8.2:1, 8.3:1.

- EFI engines

- 3.5 litre (1) Description: ETC6899
- 3.9 litre (1) Description: ERR5924
- 4.2 litre (1) Description: ERR946

---

**V8 Camshaft & Timing Chain Standard**

- ETC7929A
- ERC2838
- 610298A
- 614188A
- ERC7929A
- ERC2839A
- ERC2838
- 610298A
- 614188A
- 602277A

---

**To order call 01522 568000**
### V8 Timing Chain

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

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing chain - all engines; standard</td>
<td>(1)</td>
<td>ERC7929A</td>
<td></td>
</tr>
<tr>
<td>adjustable - kit</td>
<td>(1)</td>
<td>RB7449</td>
<td></td>
</tr>
<tr>
<td>Camshaft sprocket - standard chain</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>all engines up to Series 2 Range Rover type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>standard (nylon teeth)</td>
<td>(1)</td>
<td>610289A</td>
<td></td>
</tr>
<tr>
<td>vernier type (steel teeth)</td>
<td>(1)</td>
<td>610289V</td>
<td></td>
</tr>
<tr>
<td>Series 2 Range Rover type only</td>
<td>(1)</td>
<td>ERR5086</td>
<td></td>
</tr>
<tr>
<td>Crankshaft sprocket - all engines</td>
<td>(1)</td>
<td>90602372A</td>
<td></td>
</tr>
</tbody>
</table>

**Spacer - camshaft:**
- mechanical fuel pumps (1) | 602149 |
- all other engines (1) | ERC2839A |

**Distributor drive gear - camshaft:**
- early engines (1) | 602159 |
- Pre-1976 | 614188A |
- Not Series 2 Range Rover | (1) |

**Washer - camshaft:**
- All engines except Series 2 Range Rover | ERC6552 |
- **Bolt - camshaft:**
- All engines except Series 2 Range Rover | 602227A |
- Crankshaft sprocket - all engines | ERC5749 |
- Alternative - metric | |
- Flanged bolt - camshaft (M10 x 30)(1) | FS110301L |

**Series 2 Range Rover:**
- Thrust plate - camshaft | (1) | ERR2609 |
- Cam retaining collar | (1) | ERR5926 |
- Screw - thrust plate | (2) | SH505061 |
- Woodruff key - camshaft; early engines | (1) | 90602025A |
- Pre-1976 | |
- all other engines (1) | ERC2 |

### V8 Timing Cover & Fittings

#### Timing Cover Identification (1994 on)

**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 an improvement 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 |
- Range Rover Classic | |
- short-geared oil pump engines | (1) | 613260 |
- long-geared oil pump engines | (1) | ETCT7385 |
- 3.9 & 4.2 litre (1995 on) | (1) | ERR3434 |
- intermediate engines | | | |
- (1) | ERR6814 |
- CRM-driven oil pump & distributor (1994 on). Series 2 Range Rover | (1) | ERC6438 |
- Dowel- block locating | (2) | 90602202 |
- Timing cover oil seal (front); saloon/sports | (1) | ERC7987A |
- Range Rover Classic | |
- 4x4 | |
- **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 TiDs.
  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 categorized 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, upgrading the early (pre 1976) oil pump is your intention, purchase Oil Pump Kit RB7440, which contains a spacer plate and longer gears, along with the correct distributor drive, designed specifically for the early timing cover. (RB7440 is not suitable for later timing covers, 1976 onwards).

### V8 ENGINE

#### To order call 01522 568000

**Defender 8-30  6/1/05  4:08 pm  Page 15**
V8 ENGINE REBUILD KIT
3.5 OR 3.9 LITRE

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, resleeved 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.

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

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

TO ORDER CALL 01522 568000
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

Series 2 Range Rover type.

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) 2 rows of cylinder head bolts. tin head gaskets (1) RB7448
- composite head gaskets* (1) RB7448C
- 5.2 litre (96mm bore) 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
- 5.2 litre (96mm bore) Composite gasket*

Head gasket set inc. seals;
- all engines up to 1991 (1) GUG1538CS
- all engines 1992 onwards (1) STC1639

Sump gasket set (inc. seals);
- all engines except 4.0 & 4.6 (2) 602152
- 4.0 & 4.6 engines (2) ER4314

Core plug set - all engines (1) RB7105

To order call 01522 568000
## 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) ERRS220

### Sump Pan - Performance
- **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 Bolt/Washer
- **Saloon/sports**
  - medium (1) SH505051
  - long (2) 603944
  - 4x4 (1) SH505051
- **Reinforcing strip - Rear of sump**
  - Saloon/sports only (1) 603943
- **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 (1) ERC1506
  - all (except Series 2 Range Rover) (1) ERR3677
  - Series 2 Range Rover (1) ERR4795
- **Oil Screen**
  - (1) 602070A
- **Gasket - Pick-up Pipe**
  - all (except Series 2 Range Rover) (1) 90602068
  - Series 2 Range Rover (1) FS106167
- **O-Ring - Pick-up Pipe**
  - all (except Series 2 Range Rover) (1) ERR4795
  - Series 2 Range Rover (1) ERR4793
- **Spacer - Pick-up Pipe**
  - all (except Series 2 Range Rover) (1) ERR4793
  - Series 2 Range Rover (1) 253407
- **Setscrew - Strainer to Block**
  - all (except Series 2 Range Rover) (2) 253407
  - Series 2 Range Rover engines (2) 253407
  - 253407 (2) FS106167
- **Spring Washer - Setscrew**
  - all engines except Series 2 Range Rover (2) GSF3131
  - Series 2 Range Rover engines (2) GSF3131
  - FS106167 (2) GSF3131
- **Nut - Strainer**
  - Series 2 Range Rover engines (2) NH605041
  - Baffle Plate - Removable (1) ERC1506
  - Saloon/sports sump only (1) SH505051
  - Screw - Baffle Plate (6) 603943

### Performance Sump

- **Spring washer - Baffle Plate** (6) GHF331
- **Flat washer - Baffle Plate** (6) ERC609
- **Steady Bracket - Pick-up Pipe** (1) ERC1587
- **Spring Washer**
  - Saloon/sports only (1) GHF332
  - Series 2 Range Rover (2) GHF201
  - *Pick-up pipe to steady bracket* (2) GHC32

### Parts List
- **To Order Call 01522 568000**

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**Refer to Listings**

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**Performance Sump**

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# 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 all level reading, therefore, the dipstick & tube must match the engine.

### Dipstick:
- **SD1 saloon** (1) ERR1922
- **TR6 (original)** (1) 614293
- **Range Rover**
  - all models 1970 - 1985 (1) 603173
  - 1986 (up to Series 2 Range Rover) (1) ERR1922
- **Series 2 Range Rover** (1) ERC4905

### Dipstick tube:
- **SD1 saloon** (1) ERC6437A
- **TR6 (original)** (1) ERC2690
- **Range Rover**
  - all models 1970 - 1985 (1) ERC2571
  - 1986 (up to Series 2 Range Rover) (1) ERC4956
- **Series 2 Range Rover** (1) ERC4950
- **0-ring - dipstick tube**
  - saloon/sports (1) 532319
  - Range Rover (1) 602545
- **Except Series 3 Range Rover**
- **Retaining clip - dipstick tube** (1) 610489

Screws to rocker cover. Suitable for all engines.

Screws to adjacent cylinder head bolt. Suitable for all engines where fitted.

# V8 Crankshaft

"...suitable for Saloon/sports and 4x4 applications unless otherwise stated."

### Crankshaft:
- **3.5 litre (short nose)**
  - new, less bearings (1) 612898
  - reground, inc. bearings (1) 612898R
  - short nose (1) 612989R
- **3.9 litre**
  - Factory 3.9 engines up to engine no. 3500666, 36520523, 3701031 & 36027330.
  - new, less bearings (1) 612898
  - reground, inc. bearings (1) ERR4060
  - long nose (1) 612898R
  - Factory engines, above engine no onwards.
  - new, less bearings (1) ERR4060
- **4.2 litre**
  - New, less bearings. (1)
  - new, less bearings (1)
  - up to eng.no.40D09581 (1) ERR3037
  - Short nose. eng.no.40D09582 on (1) ERR4152
- **4.3 & 4.8 litre stroker kits**
  - See ‘Stroker Kits’ panel.
  - Includes new 86mm stroker crankshaft, con rods, pistons/rings & bearings. Not suitable for 4.0 or 4.5 litre blocks.
- **4.3 litre kit**
  - (1) RB7678
- **4.8 litre kit**
  - (1) RB7677
- **Series 2 Range Rover engines**
  - New, iron bearings.
- **4.0 litre**
  - (1) ERR5090
- **4.6 litre**
  - (1) ERR5091

### Main bearing set:
- **all engines except Series 2 Range Rover**
  - **standard size** (1)
  - **oversize + 0.010”** (1)
  - **oversize + 0.020”** (1)
  - **oversize + 0.030”** (1)
  - **oversize + 0.040”** (1)
  - **oversize + 0.060”** (1)

### Series 2 Range Rover engines:
- **4.0 & 4.5 Litre**.
  - **standard size** (1)
  - **oversize + 0.010”** (1)
  - **oversize + 0.020”** (1)

### BOLT - main bearing cap:
- **10** 602130A

### Stud kit - main bearing cap (1)
- **(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.
- **Bolt - main bearing cap (1)**
  - **R87452**
  - **R87452.010**
  - **R87452.020**
  - **R87452.020**

### Cross-bolt - main bearing cap (9)
- **FB110137**
  - **90.3mm**
  - 4.0 & 4.6 litre cross-bolted engines.

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

### Oil seal:
- **for FB110137 (9)**
- **ER3330**
- **ER3331**

### Crankshaft oil seal (rear):
- **613855**
  - **lip type** (1)
  - **ERR2640**
  - **Cruciform seal** (1)
  - **611089A**

### Timing cover oil seal (front):
- **saloon/sports** (1)
  - **ERC7987A**
- **early type** (1)
  - **602178**

### Press-fit seal with no retainer:
- **all other engines** (1)
  - **ERR6490**

### Spigot bush - crankshaft:
- **saloon/sports**
  - **manual transmission** (1) 614263
  - **automatic transmission** (1) 610196
- **Woodruff key**
  - **3.5, 3.9 & 4.2 up to 1992** (1)
  - **3.9 & 4.2 1992 onwards** (1)

### Crankshaft sprocket - all models:
- **90602327**

### Bolt - crankshaft pulley:
- **starter dog type** (1)
  - **602411**

### Washer - crankshaft pulley:
- **standard bolt type** (1) ERC416A

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**‘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 re bore before fitting. Finally, a small amount of grinding is required to the bottom of the 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.

---

**Recipe for Performance Engines.**

- **Cross-bolt - main bearing cap (9)**
- **Hex-screw - main bearing cap (1)**
- **Oil seal:**
  - **for FB110137 (9)**
- **Stud kit - main bearing cap (1)**
- **Cross-bolt - main bearing cap (9)**
- **Hex-screw - main bearing cap (1)**
- **Oil seal:**
  - **for FB110137 (9)**
- **Stud kit - main bearing cap (1)**
- **Cross-bolt - main bearing cap (9)**
- **Hex-screw - main bearing cap (1)**
- **Oil seal:**
  - **for FB110137 (9)**

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**TO ORDER CALL 01522 568000**
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) ERC1168
nut - power steering* (1) NH605041
pulley - power steering* (1) ERC387
vibration damper - 3.5 & 3.9; (1) ETC4330
above engine nos. onwards (1) ETC7999
all models up to 1992 (1) ETC5818
1992 models up to (1) ETC7339
following engine nos: 35D08967B, 36D255248, 37D01932B &
38D273318 (3.9 litre) (1) ERR4866
CRANKSHAFT PULLEY - LAND ROVER
Pulley - water pump/alternator belt;
non air con
non p.a.s. models to 1985 (1) ETC4330 &
p.a.s. models to 1985 (1) ETC4369
Order 1 of each
air con models;
p.a.s. & non p.a.s. to 1985 (1) ETC4330 &
Order 1 of each
1986 on, carb & efi (1) ETC4354
Up to 1992 (VIN JA) (1) ETC5679
1992 models up to (1) ETC7999
following engine nos: 35D08967B, 36D255248, 37D01932B &
38D273318 & 40D09582B (1) ERR4866
above engine nos. onwards (1) ERR4866
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) ETC5679
models from 1992 on (3.9) (1) ETC7999
Mud deflector (1) 613671
Reinforcing plate (1)
All models except 4.0 & 4.6.
Bolt - crankshaft pulley assembly;
non p.a.s. models (6) GNF104
p.a.s. & air con models (6) BH605141
Nut - all models (6) NH605041

VEHICLES FITTED WITH AIR CONDITIONING
VEHICLES NOT FITTED WITH AIR CONDITIONING

to order call 01522 568000
### V8 Drive Belts

Water pump/alternator drivebelt - Land Rover; carb engines
- non air con (1) 613602
- with air con (1) 614670
- efi engines (1) ERR5579

Water pump/alternator drivebelt - saloon/sports;
- TR8 (1) GFB215
  - SD1
    - carb non air-con (1) GFB215
    - with air-con (1) GCBS1118
    - efi (1) GCBS1118
    - 34A engines (1) GCBS10838

Water pump drive belt - Land Rover; 1970 to 1995 (VIN BA)
- non air con (1) 613602
- with air con (1) 614670
- 1986 onwards (carb & efi)
  - up to 1994 (V-belt) (1) 611612
  - 1994 onwards (serpentine belt)
    - non air con (1) ERR4461
    - with air con (1) ERR4623

Alternator drive belt - Land Rover; carb engines
- non air con (1) 613602
- with air con (1) 614794
- efi (1) ERR2073
- 1986 to 1992 (VIN JA) (1) ERR2073
- 1993 (VIN KA) onwards (1) ERR2678

Steering pump drive belt:
- TR8 (1) GFB20864
  - SD1 early engines (1) GCBS2085
  - later engines (1) GFB20864
  - Land Rover Car models
  - Range Rover; 1970 to 1994 (1) ERC675
  - With separate belt for p.a.s.
    - 1995 onwards With serpentine drivebelt non air con (1) ERR4461
    - with air con (1) ERR4623

Air con compressor drive belt - saloon/sports;
- TR8 (1) ERC304
  - SD1 (2) GFB20768
  - Air con compressor drive belt - Range Rover
    - up to 1994 (1) 611612
    - 1995 onwards (1) ERR4623
  - Idler pulley belt - Range Rover (1) ERC675
    - Up to Oct 1985
  - Range Rover with detoxed V8 (1)
    - Air pump drivebelt - detoxed V8 (1)
    - RTC3267

### V8 Flywheel & Driveplate

#### Driveplate - Auto

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

#### Flywheel (manual); Includes ring gear
- saloon/sports Suitable for 5.5”/240mm clutch:
  - standard (1) 612338
  - lightened (1) 612368L
- Land Rover/Range Rover (1) ERR5575
  - Series 2 Range Rover (1) ERR5396
- Ring gear - all manual flywheels (1)
- Bolt - flywheel to crankshaft;
  - saloon/sports (6) 255466
  - 4x4 (6) SH607081
- Dowel - clutch locating (3) 502116
- Driveplate (automatic);
  - saloon/sports (4x4) 837254
  - Borg Warner (1) 683341
  - GM180 (1) RKCS5095
- Range Rover/90 V8 efi (1)
  - 3-sp (1) FRC5005
  - Less ring gear (1) FRC5005
  - 4-sp - complete assembly (1) FRC7851
  - Series 2 Range Rover (1) ERR5568
  - Bolt - driveplate to crankshaft;
    - saloon/sports (5)
    - Borg Warner (6) 602905
    - GM180 (6) ULCS091
    - Land Rover Series 2 Range Rover (6)
      - all(except Series 2 Range Rover)(6) SS607061
      - Series 2 Range Rover (6) SS607120

#### Ring gear - all automatic vehicles
- Not including Series 2 Range Rover, which is not available separately.
- Bolt - ring gear to driveplate;
  - saloon/sports (10) 610735
  - Range Rover (10) FTC4388
  - Washer - ring gear to drive plate (10)

#### Dowel - auto driveplate
- (2) 529364

#### Spacer - driveplate to crankshaft (auto);
- saloon/sports (6) 602906

#### Washer - ring gear to driveplate (10)
- Land Rover
- Range Rover
- Washer - ring gear to drive plate (10)

#### Dowel - clutch locating (3)
- Refer to listings

#### Bolt - ring gear to driveplate;
- saloon/sports (10) 610735
  - Range Rover (10) FTC4388

#### Washer - ring gear to drive plate (10)
- Land Rover
- Range Rover
- Washer - ring gear to drive plate (10)

#### Dowel - clutch locating (3)
- Refer to listings

#### Bolt - ring gear to driveplate;
- saloon/sports (10) 610735
  - Range Rover (10) FTC4388

#### Washer - ring gear to drive plate (10)
- Land Rover
- Range Rover
- Washer - ring gear to drive plate (10)

#### Dowel - clutch locating (3)
- Refer to listings

#### Bolt - ring gear to driveplate;
- saloon/sports (10) 610735
  - Range Rover (10) FTC4388

#### Washer - ring gear to drive plate (10)
- Land Rover
- Range Rover
- Washer - ring gear to drive plate (10)

#### 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.
V8 Pistons

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) RB7194

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

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 re bore required) for 4.3 litres. 4.8 kit fits 3.9 litre engine (8mm 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

TO ORDER CALL 01522 568000

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) ERR4837

4.0 litre - new

(8) ERR5145

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

(16) 602061A

Big end bolt/nut kit

(1) RB7500


V8 CON ROD & BEARING SETS

CON ROD ASSEMBLY

BEARING SETS

602082 (8)

602061A (16)

602060A (16)

602061A (16)

ROVER

SD1

ENGINE BAY

3.9 PISTON & LINER SETS

602009A (16)

602061A (16)
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 older - is driven by the other, which is a shaft that is driven off the end of the distributor. The distributor, in turn, is driven by a sprocket 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 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 superseded the earlier, distributor-driven oil pump. However, the later arrangement, while more efficient, is not a straight swap 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)
  - 1976 onwards (1)
- 4x4
  - early engines (1)
  - all other engines (1)
- Pre SD1-type engines.
  - all other engines (1)

Oil pump cover;
- early engines (1)
- all other engines (1)
  - Up to late 1994.

Complete with relief valve & spring, plus oil pressure switch.

REM OTE TAKE OFF

Oil pump cover/remote take-off (1) RB1105
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 (1) RB7116
Allows mounting of oil filter away from engine. Kit includes filter housing, hoses & mountings. Not suitable for Series 2 Range Rover.

COMPONENT & COMMISSION NUMBERS

When ordering components 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.
## Clutch Components

### Clutch kit:
- Includes cover, plate & release bearing.
  - 4 cyl petrol engines: 1
  - 4 cyl diesel:
    - all except 300Tdi: 1
    - 300Tdi only:
      - with LT77 gearbox: 1
      - with R380 gearbox: 1
  - TD5:
    - 1

### Clutch cover:
- 4 cyl petrol engines: 1
- 4 cyl diesel:
  - all except 300Tdi: 1
  - 300Tdi only:
    - with LT77 gearbox: 1
    - with R380 gearbox: 1
- TD5:
  - 1

### Clutch plate:
- 4 cyl petrol engines: 1
- 4 cyl diesel:
  - all except 300Tdi: 1
  - 300Tdi only:
    - with LT77 gearbox: 1
    - with R380 gearbox: 1
- TD5:
  - 1

### Release bearing - clutch:
- All LT77 & 85mm gearboxes:
  - 1

## Slave Cylinder & Clutch Release Components

### Slave cylinder - clutch:
- LT77 & 85mm (Santana) gearboxes:
  - 4 cylinder engines: 1
  - R380 gearbox:
    - 4 cylinder except TDi: 1
    - TDi: 1

### Repair kit - slave cylinder:
- For 591231 cylinder: 1
- For FTC5071 cylinder: 1
- For FTC5202 cylinder: 1

### Packing plate - slave cylinder:
- For 591231 slave cylinder: 1
- For FTC5071 slave cylinder: 1

### Pushrod - slave cylinder:
- LT77 & 85mm (Santana) gearboxes:
  - 4 cylinder engines: 1
  - R380 gearbox:
    - 4 cylinder except TDi: 1
    - TDi: 1

### Screw - release lever clip
- V8 & TD5:
  - 1

## Clutch Fluid

- Clutch/brake fluid:
  - Dot 3 - 1 litre: 1
  - Silicone fluid:
    - 0.5 litre: 1
    - 1 litre: 1

## Pedal Rubber - Clutch

### Pedal rubber - clutch:
- 1

## Engine & Gearbox Mountings

### Engine mounting rubber:
- 4 cyl engines except 300TDi:
  - 2
- 300TDi:
  - 2
- TD5:
  - 2
- V8:
  - 4

### Engine components:
- 4 cyl engines except 300TDi:
  - 2
- 300TDi:
  - 2
- TD5:
  - 2
- V8:
  - 2

### Gearbox components:
- 4 cyl engines except 300TDi:
  - 2
- 300TDi:
  - 2
- TD5:
  - 2
- V8:
  - 2

### Nut engine mounting rubber:
- 4 cyl engines except 300TDi:
  - 2
- 300TDi & TD5 (M12):
  - 2
- V8 (M10):
  - 4

### Gearbox mounting rubber:
- 4 cyl engines except 300TDi:
  - 2
- 300TDi:
  - 2
- TD5:
  - 2
- V8:
  - 2

### Nut - gearbox mounting rubber:
- 4 cyl engines except 300TDi:
  - 2
- 300TDi (M10):
  - 2
- TD5 (M10):
  - 2
- V8 (M10):
  - 2
## Water Pump

**Water Pump**

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<th>PART No.</th>
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<td>STC636</td>
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<td>2.5 petrol engine non air conditioning</td>
<td>(1)</td>
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<td>2.5 TD diesel engine</td>
<td>(1)</td>
<td>STC635</td>
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<tr>
<td>2.5 TD diesel engine</td>
<td>(1)</td>
<td>STC635</td>
</tr>
<tr>
<td>200Tdi</td>
<td>(1)</td>
<td>STC639</td>
</tr>
<tr>
<td>300Tdi</td>
<td>(1)</td>
<td>STC1066</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>PEM500040</td>
</tr>
<tr>
<td>carb engines</td>
<td>(1)</td>
<td>STC1611</td>
</tr>
<tr>
<td>non viscous fan</td>
<td>(1)</td>
<td>STC467</td>
</tr>
<tr>
<td>viscous fan</td>
<td>(1)</td>
<td>STC468</td>
</tr>
<tr>
<td>Td5</td>
<td>(1)</td>
<td>STC4379</td>
</tr>
<tr>
<td>- non air con</td>
<td>(1)</td>
<td>STC467</td>
</tr>
<tr>
<td>- air con</td>
<td>(1)</td>
<td>STC468</td>
</tr>
</tbody>
</table>

### Water Pump Fittings

Gasket - water pump: all 4 cyl engines except 300Tdi(1) ERC5655
Air con/non air con.

300Tdi
- water pump to mounting (1) ERR3284
- pump mounting to block (1) PET100790
- Td5 - ‘O’/D’-ring set (1) PFQ10001

V8
- all carb engines (1) ERR2428
- efi engines (1) ERR4077
- Seal - water pump bracket (Td5) (1) ERR6711

## Viscous Coupling

**Viscous Coupling**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 cylinder petrol engines</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
<tr>
<td>Engines with air con.</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
<tr>
<td>2.5 NA diesel</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
<tr>
<td>2.5 TD - air con &amp; non air con</td>
<td>(1)</td>
<td>ETC6841</td>
</tr>
<tr>
<td>Europe</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
<tr>
<td>rest of world</td>
<td>(1)</td>
<td>ERC2266</td>
</tr>
</tbody>
</table>

### Drive Belts

**Drive Belt - water pump;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.25 petrol engines</td>
<td>(1)</td>
<td>563132</td>
</tr>
<tr>
<td>2.5 petrol engine</td>
<td>(1)</td>
<td>563132</td>
</tr>
<tr>
<td>non air con</td>
<td>(1)</td>
<td>ERC8938</td>
</tr>
<tr>
<td>air con</td>
<td>(1)</td>
<td>563132</td>
</tr>
<tr>
<td>2.5 NA diesel engine</td>
<td>(1)</td>
<td>563132</td>
</tr>
<tr>
<td>non air con</td>
<td>(1)</td>
<td>ERC8938</td>
</tr>
<tr>
<td>air con</td>
<td>(1)</td>
<td>563132</td>
</tr>
<tr>
<td>2.5 TD diesel engine</td>
<td>(1)</td>
<td>ETC7939</td>
</tr>
<tr>
<td>Air con &amp; non air con.</td>
<td>(1)</td>
<td>ETC7939</td>
</tr>
<tr>
<td>200Tdi</td>
<td>(1)</td>
<td>ETC7939</td>
</tr>
<tr>
<td>300Tdi</td>
<td>(1)</td>
<td>ERR3287</td>
</tr>
<tr>
<td>- serpentine ancillary belt</td>
<td>(1)</td>
<td>ERR9511</td>
</tr>
<tr>
<td>to eng.no. 16L25164</td>
<td>(1)</td>
<td>PQS101490</td>
</tr>
<tr>
<td>2.5 TD (not Td5)</td>
<td>(1)</td>
<td>PQS101500</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>ERC7394</td>
</tr>
<tr>
<td>non air conditioning</td>
<td>(1)</td>
<td>614670</td>
</tr>
<tr>
<td>with air conditioning</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
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</table>

### Pressure Cap

**Pressure cap - expansion tank;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 cyl except Td5</td>
<td>(1)</td>
<td>RTC3610</td>
</tr>
<tr>
<td>up to VIN LA932798</td>
<td>(1)</td>
<td>RTC3610</td>
</tr>
<tr>
<td>VIN LA932798 on</td>
<td>(1)</td>
<td>PCD100150</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>PCD100150</td>
</tr>
<tr>
<td>Td5</td>
<td>(1)</td>
<td>PCD100150</td>
</tr>
<tr>
<td>Td5</td>
<td>(1)</td>
<td>PCD100150</td>
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</table>

## Radiator

**Radiator - petrol engines;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.25 petrol</td>
<td>(1)</td>
<td>NRC6888</td>
</tr>
<tr>
<td>standard</td>
<td>(1)</td>
<td>NRC6888</td>
</tr>
<tr>
<td>heavy duty</td>
<td>(1)</td>
<td>ESR79</td>
</tr>
<tr>
<td>2.5 petrol</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
<tr>
<td>without oil cooler</td>
<td>(1)</td>
<td>ETC6841</td>
</tr>
<tr>
<td>up to VIN FA389980</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
<tr>
<td>VIN FA389981 on</td>
<td>(1)</td>
<td>ETC6841</td>
</tr>
<tr>
<td>with oil cooler</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
<tr>
<td>up to VIN JA918061</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
<tr>
<td>VIN JA918062 on</td>
<td>(1)</td>
<td>ETC7238</td>
</tr>
</tbody>
</table>

**Radiator - diesel engines;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 NA diesel</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
<tr>
<td>without oil cooler</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
<tr>
<td>up to VIN JA918061</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
<tr>
<td>VIN JA918062 on</td>
<td>(1)</td>
<td>ERC5708</td>
</tr>
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</table>

**Radiator - 200Tdi & Td5**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>radiator &amp; intercooler</td>
<td>(1)</td>
<td>PFI100041</td>
</tr>
<tr>
<td>coolant radiator only</td>
<td>(1)</td>
<td>BTP2275</td>
</tr>
<tr>
<td>For intercooler only</td>
<td>(1)</td>
<td>BTP2275</td>
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</tbody>
</table>

**Mounting rubber - radiator;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>all vehicles except 300Tdi &amp; Td5</td>
<td>(1)</td>
<td>NRC5544</td>
</tr>
<tr>
<td>non-EGR engines</td>
<td>(1)</td>
<td>PDK0000100</td>
</tr>
<tr>
<td>EGR engines</td>
<td>(1)</td>
<td>PCD001020</td>
</tr>
<tr>
<td>Td5</td>
<td>(1)</td>
<td>NRC5544</td>
</tr>
<tr>
<td>upper</td>
<td>(2)</td>
<td>NRC5544</td>
</tr>
<tr>
<td>lower</td>
<td>(2)</td>
<td>5723012</td>
</tr>
<tr>
<td>300Tdi</td>
<td>(1)</td>
<td>5723012</td>
</tr>
<tr>
<td>Td5</td>
<td>(2)</td>
<td>PCQ100030</td>
</tr>
<tr>
<td>Filler plug - radiator</td>
<td>(1)</td>
<td>ERR4686</td>
</tr>
<tr>
<td>Seal - filler cap</td>
<td>(1)</td>
<td>ERR4685</td>
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</table>
**Cooling System**

### Intercoolers - Diesel

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercooler - standard; <em>(See also Upgraded - below)</em> 200TDi</td>
<td>1</td>
<td>FTP8030</td>
</tr>
<tr>
<td>Supplied as complete radiator assembly - see Radiators. 300TDi</td>
<td>1</td>
<td>ESR4504</td>
</tr>
<tr>
<td>Also available as part of complete radiator assembly - see Radiators. Td5</td>
<td>1</td>
<td>PCH119070</td>
</tr>
</tbody>
</table>

**Upgraded Intercoolers**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercooler - uprated These larger capacity performance intercoolers are designed to offer an improvement in power &amp; 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. 2.5TDi</td>
<td>1</td>
<td>LL1270A</td>
</tr>
<tr>
<td>upgrade 1</td>
<td>12-15% power increase. 200TDi</td>
<td>1</td>
</tr>
<tr>
<td>upgrade 2</td>
<td>20-25% power increase. 300TDi</td>
<td>1</td>
</tr>
<tr>
<td>upgrade 1</td>
<td>18-20% power increase. 300TDi</td>
<td>1</td>
</tr>
<tr>
<td>upgrade 2</td>
<td>30-35% power increase. Td5</td>
<td>1</td>
</tr>
<tr>
<td>upgrade 1</td>
<td>18-20% power increase. 200TDi</td>
<td>1</td>
</tr>
<tr>
<td>upgrade 2</td>
<td>30-35% power increase. 300TDi</td>
<td>1</td>
</tr>
<tr>
<td>NB an uprated engine management module must also be fitted - see Powerboxes:</td>
<td>1</td>
<td>NN128B</td>
</tr>
<tr>
<td>- non con</td>
<td>up to 50% power increase dependent on Powerbox setting. NB may invalidate any manufacturers warranty. 200TDi</td>
<td>1</td>
</tr>
<tr>
<td>- with con</td>
<td>up to 50% power increase dependent on Powerbox setting. NB may invalidate any manufacturers warranty. 300TDi</td>
<td>1</td>
</tr>
</tbody>
</table>

### Radiator Hoses

**Description**

- **Top hose - radiator:**
  - petrol engines
  - 2.25 petrol standard duty
  - 2.5 petrol standard duty
  - 2.5 petrol heavy duty
  - up to VIN FA9389798
  - VIN FA9397999 on
  - V8 - all models
- **Bottom hose - radiator:**
  - petrol engines
  - 2.25 petrol standard duty
  - 2.5 petrol standard duty
  - 2.5 petrol heavy duty
  - V8
  - carburator
eff
diesel engines
  - 2.5 NA & 2.5 TD
  - 2.5 TD
  - 200TDi
  - 300TDi
  - 2.5 petrol
  - 2.5 NA & 2.5 TD
  - 200TDi
  - non air con
  - with air con
  - up to VIN JA915821 on
  - VIN HA700655 on
  - VIN HA700656 on
  - up to VIN FA389798 on
  - VIN FA9397999 on
  - VIN HA700726 on

**Heater Hoses (flexible); For rigid heater hoses, please contact our sales department.

- 4 cylinder engines, except Td5
  - heater to pipes
  - heater to pipes
  - pipes to engine
- 200TDi
  - to pipe to heater
  - RHD
  - LHD
- pipes to engine
  - RHD
  - LHD

### 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**
### Hose Clips

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worm drive clips - all models except Td5;</td>
<td>(a/r)</td>
<td>GHC304</td>
</tr>
<tr>
<td>3/8&quot; to 1/2&quot;</td>
<td>(a/r)</td>
<td>GHC405</td>
</tr>
<tr>
<td>7/16&quot; to 5/8&quot;</td>
<td>(a/r)</td>
<td>GHC406</td>
</tr>
<tr>
<td>1/2&quot; to 3/4&quot;</td>
<td>(a/r)</td>
<td>GHC507</td>
</tr>
<tr>
<td>5/8&quot; to 7/8&quot;</td>
<td>(a/r)</td>
<td>GHC608</td>
</tr>
<tr>
<td>7/8&quot; to 1&quot;</td>
<td>(a/r)</td>
<td>GHC709</td>
</tr>
<tr>
<td>7/8&quot; to 11/8&quot;</td>
<td>(a/r)</td>
<td>GHC811</td>
</tr>
<tr>
<td>11/8&quot; to 15/8&quot;</td>
<td>(a/r)</td>
<td>GHC913</td>
</tr>
<tr>
<td>13/8&quot; to 2&quot;</td>
<td>(a/r)</td>
<td>GHC1015</td>
</tr>
<tr>
<td>11/2&quot; to 21/8&quot;</td>
<td>(a/r)</td>
<td>GHC1217</td>
</tr>
<tr>
<td>2&quot; to 23/4&quot;</td>
<td>(a/r)</td>
<td>GHC1622</td>
</tr>
</tbody>
</table>

### Spring band clips - Td5;  
- to radiator (a/r) | PYC102100  
- to engine (a/r)  | PYC102110  
- bottom hose to radiator (a/r) | PYC102110  
- to thermostat (a/r) | PYC102100  
- water pump to thermostat (22mm) (a/r) | PYC101910  
- small clip (22mm) (a/r) | PYC102190  

### Thermostat

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyre;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 cyl engines except Td5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>82˚</td>
<td>(1)</td>
<td>602687</td>
</tr>
<tr>
<td>74˚</td>
<td>(1)</td>
<td>ETC4761</td>
</tr>
<tr>
<td>200TDi (68˚)</td>
<td>(1)</td>
<td>ERR2803</td>
</tr>
<tr>
<td>300TDi</td>
<td>(1)</td>
<td>ERR3291</td>
</tr>
<tr>
<td>TD5</td>
<td>(1)</td>
<td>PEM100990</td>
</tr>
<tr>
<td>V8 carb engines (82˚)</td>
<td>(1)</td>
<td>602687</td>
</tr>
<tr>
<td>efi engines (85˚)</td>
<td>(1)</td>
<td>ETC4765</td>
</tr>
<tr>
<td>Gasket - thermostat;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 cyl engines except Td5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper gasket</td>
<td>(1)</td>
<td>ERR3682</td>
</tr>
<tr>
<td>lower gasket</td>
<td>(1)</td>
<td>247874</td>
</tr>
<tr>
<td>200TDi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper</td>
<td>(1)</td>
<td>ERR3682</td>
</tr>
<tr>
<td>lower</td>
<td>(1)</td>
<td>ETC8007</td>
</tr>
<tr>
<td>300TDi (housing gasket)</td>
<td>(1)</td>
<td>ERR3490</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>ERR2429</td>
</tr>
<tr>
<td>Gasket - water elbow - Td5</td>
<td>(1)</td>
<td>LVJ000010</td>
</tr>
<tr>
<td>Temperature sensor - Td5</td>
<td>(1)</td>
<td>ERR2061</td>
</tr>
<tr>
<td>Seal - temp sensor (T5)</td>
<td>(1)</td>
<td>ERR6192</td>
</tr>
</tbody>
</table>

### Kenlowe Fan

Kenlowe fan kit;  
Contains everything you need to fit an electric fan to your vehicle, including mounting brackets, wiring and temperature sensor.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.25 &amp; 2.5 petrol</td>
<td>(1)</td>
<td>RA1096</td>
</tr>
<tr>
<td>2.5 NA diesel</td>
<td>(1)</td>
<td>RA1096</td>
</tr>
<tr>
<td>2.5 TD</td>
<td>(1)</td>
<td>LL1083</td>
</tr>
<tr>
<td>200TDi</td>
<td>(1)</td>
<td>LL1083</td>
</tr>
<tr>
<td>Td5</td>
<td>(1)</td>
<td>LL1084</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>LL1083</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condenser;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>except V6 efi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN WA159806</td>
<td>(1)</td>
<td>8510294</td>
</tr>
<tr>
<td>VIN XA159807 on</td>
<td>(1)</td>
<td>JRB000051</td>
</tr>
<tr>
<td>V6 efi</td>
<td>(1)</td>
<td>STC3963</td>
</tr>
<tr>
<td>Motor - condenser fan;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>except V6 efi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN WA159806</td>
<td>(2)</td>
<td>RTC7424</td>
</tr>
<tr>
<td>VIN XA159807 on</td>
<td>(1)</td>
<td>JRP105080</td>
</tr>
<tr>
<td>V6 efi</td>
<td>(1)</td>
<td>STC3969</td>
</tr>
<tr>
<td>Receiver/drier;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>except V6 efi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN WA159806</td>
<td>(1)</td>
<td>RTC7426</td>
</tr>
<tr>
<td>not cfc-free</td>
<td>(1)</td>
<td>STC3297</td>
</tr>
<tr>
<td>cfc-free</td>
<td>(1)</td>
<td>STC3297</td>
</tr>
<tr>
<td>VIN XA159807 on</td>
<td>(1)</td>
<td>JRP000250</td>
</tr>
<tr>
<td>RHD</td>
<td>(1)</td>
<td>STC3969</td>
</tr>
<tr>
<td>V6 efi</td>
<td>(1)</td>
<td>STC3973</td>
</tr>
<tr>
<td>Charging valve;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN WA159806</td>
<td>(1)</td>
<td>JRP000250</td>
</tr>
<tr>
<td>not cfc-free</td>
<td>(1)</td>
<td>STC3169</td>
</tr>
<tr>
<td>V8 efi</td>
<td>(1)</td>
<td>STC3169</td>
</tr>
<tr>
<td>Pressure switch;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>except V6 efi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN WA159806</td>
<td>(1)</td>
<td>BTR3720</td>
</tr>
<tr>
<td>not cfc-free</td>
<td>(1)</td>
<td>STC3976</td>
</tr>
<tr>
<td>V6 efi</td>
<td>(1)</td>
<td>STC3976</td>
</tr>
<tr>
<td>Water control valve</td>
<td>(1)</td>
<td>NRC8346</td>
</tr>
</tbody>
</table>

### Antifreeze

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antifreeze;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>all engines except Td5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 litre</td>
<td>(1)</td>
<td>GAC2018</td>
</tr>
<tr>
<td>5 litres</td>
<td>(1)</td>
<td>GAC2019</td>
</tr>
<tr>
<td>Td5 only</td>
<td>(1)</td>
<td>STC50629</td>
</tr>
<tr>
<td>1 litre</td>
<td>(1)</td>
<td>STC50630</td>
</tr>
<tr>
<td>5 litres</td>
<td>(1)</td>
<td>STC50630</td>
</tr>
</tbody>
</table>

### Heater Components

Heater assembly  
For price & availability of complete heater assemblies, please contact our sales department.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heater matrix - all vehicles;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN WA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with downward-facing pipes(1)</td>
<td></td>
<td>AAP817</td>
</tr>
<tr>
<td>with horizontal outlet pipes(1)</td>
<td></td>
<td>UTP1725</td>
</tr>
<tr>
<td>VIN XA on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with downward-facing pipes(1)</td>
<td></td>
<td>JEF100220</td>
</tr>
<tr>
<td>with horizontal outlet pipes(1)</td>
<td></td>
<td>UTP1725</td>
</tr>
<tr>
<td>Uprated heater matrix;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium high-output matrix, which increases cabin heat by up to 20%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with downward-facing pipes (1)</td>
<td></td>
<td>AAP17UR</td>
</tr>
<tr>
<td>with horizontal outlet pipes (1)</td>
<td></td>
<td>UTP1725UR</td>
</tr>
<tr>
<td>Blower motor - all vehicles;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN LAG39975 (1994)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RHD</td>
<td>(1)</td>
<td>RTC4200</td>
</tr>
<tr>
<td>LHD</td>
<td>(1)</td>
<td>RTC4201</td>
</tr>
<tr>
<td>VIN LAG39976 (1995) on RHD</td>
<td>(1)</td>
<td>UTP1911</td>
</tr>
<tr>
<td>LHD</td>
<td>(1)</td>
<td>UTP1910</td>
</tr>
</tbody>
</table>

Heater control cables  
Please contact our sales department for price & availability of heater control cables.
## Carburettor Components

### 2.25 petrol engine carb components;
- gasket kit - carburettor
- single solenoid
- twin solenoid
- individual gaskets
carb to inlet manifold
- inner
- outer
- air elbow
- fuel filter element - carb
- float needle
- float assembly
- jet
- carburettor
- carburettor primary
- idler primary
- idler secondary
- main primary
- main secondary

### 2.5 petrol engine carb components;
- gasket kit - carburettor
- seal kit
- individual gaskets
carb to inlet manifold
- inner
- outer
- fuel filter element - carb
- float needle
- float assembly
- jet
- carburettor
- carburettor primary
- idler primary
- idler secondary
- carburettor pump

## V8 engine twin carb components;
- Stromberg carbs
- gasket set
- insulator - carb to manifold
- gasket - carb to manifold
- olive - fuel pipe to carb
- diaphragm
- float assembly
- needle
- 20G engines
- 21G engines

### SU carbs
- gasket set
- seal kit
- olive - fuel pipes
- float
- RH carb
- LH carb
- needle & seat assembly - float
- jet
- RH carb
- LH carb
- needle - jet
- Gasket - V8 inlet manifold
- tin
- composite
- end seal - inlet manifold gasket
- for tin gasket
- for composite gasket

## 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 accelerating cable kit.

Fuel pump available separately.

### HOLLEY CARB KIT

- Holley/Offenhauser conversion; 350cfm carb with auto choke
- Kit 1 with 3” deep air cleaner (1)
- Kit 2 with 2” deep air cleaner for extra bonnet clearance.

### WEBER/EDELBROCK PERFORMER CARB KIT

- Weber/Edelbrock Performer conversion; 550cfm carb with manual choke
- Kit 1 with 3” deep air cleaner (1)
- Kit 2 with 2” deep air cleaner for extra bonnet clearance.
- Fuel pump - uprated (1)

---

## V8 - 4 Barrel Carb Components

- Carburettor only
- Weber 500 (1)
- Holley 390 (1)
- Jets - 390 carb (pair) (1)
- Overhaul kit - Holley 390 carb (1)
- Holley Stud/Nut/Washer Set (1)
- Gasket (to manifold) (Holley & Weber) (1)

### Holley Carb Kit

- Holley/Offenhauser conversion; 350cfm carb with auto choke
- Kit 1 (1)
- Kit 2 (1)

### Weber/Edelbrock Performer Carb Kit

- Weber/Edelbrock Performer conversion; 550cfm carb with manual choke
- Kit 1 (1)
- Kit 2 (1)

---

## 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)
  - low-rider - 2” deep (1)

### Weber/Edelbrock Performer Carb Kit

- Weber/Edelbrock Performer conversion; 550cfm carb with manual choke
- Kit 1 with 3” deep air cleaner (1)
- Kit 2 with 2” deep air cleaner for extra bonnet clearance.

**Fuel pump - uprated (1)**

---

### 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) (1)
  - Flat type (assembly) (1)

---

**For maximum air flow. Replaces standard pancake K&N lid. Available in black, blue, red or polished. N.B. Carb filter assembly (recessed or flat type) must be purchased separately.**
**Efi Sensors - V8**

- 4.0 litre efi eng.
- air flow meter (1) ERR5595
- lambda sensor (2) AMR6244
- throttle position sensor (1) ERR4278
- camshaft sensor (1) NSC100840
- 'O'-ring - cam sensor (1) ERR4815
- crank sensor (1) ERR6119
- knock sensor (2) ERR5894
- stepper motor (1) ERR4352
- gasket - stepper motor (1) ERR3359
- temperature sensor (1) ETC8496A

**Fuel Injector - efi** (8)
- Upper (8) EAC2414
- Lower (8) EAC2415

**Fuel Filter**

- petrol engines
  - 4 cyl engines (1) JS660L
  - V8 twin carburettor (1) JS660L
  - efi (1) ESR4065
- diesel engines
  - 2.5 NA & 2.5 TD engines (1) GFE5296
  - 200/300TDi - unheated (1) AEU2147
  - Td5 (1) ESR4686

**Engine Breathers**

- 2.5NA
  - to eng. 12J42593C (1) ERR1454
  - to eng. 19J15451C (1) ETC7774
  - to eng. 19J15452C (1) ERR37
- 2.5TD
  - to eng. 19J15451C (1) ETC7774
  - to eng. 19J15452C (1) ERR37
- diesel - crankcase;
  - 2.5NA
    - up to VIN JA916016 (92) (1) ERR506
    - VIN JA916017 on (1) 541010
  - 200TDi (1) ERR406
  - petrol
    - 2.25/2.5 4 cyl' (1) ERR1454
  - V8 carb' - flame trap (2) 603330A
  - 'O'-ring - rocker cover breather; for ERR14454/ERR737 (1) ERR73
  - for ETC7774 (1) ERC804
  - Gasket - crankcase breather (1) ERR2026

**Fuel Tank**

- Fuel tank - main;
  - 90 (12 gallons) beneath seat-box (steel tank) (1) NRC9225
  - up to VIN AA243342 (1) ERR2242
  - VIN AA243343 on (1) ERR2242
  - behind rear axle (plastic tank) - VIN XY on (1) WHK100060
  - petrol engines except V8 (1) WHK100060
  - V8 efi (1) ESR2657
  - diesel engines (1) WHK100040
  - 110/130 (18 gallons) up to VIN WA159806 (1) NTC2017
  - All models - steel tank.
  - VIN WA159806 on (1) NTC2017
  - Plastic tank.
  - petrol engines (1) WHK1000070
  - diesel engines (1) WHK100050
- Fuel tank - secondary (where fitted);
  - 15 gallon (1) ESR4132
  - 90 gallon (Station Wagon) (1) NTC2110
  - Drain plug - steel fuel tanks (1) NR62
  - Seal - drain plug (1) 243958
  - Gasket - fuel return pipe (90) (1) ESR3277

**Fuel Pump**

- Fuel pump; external (1) PRC3901
  - in-tank - separate unit - up to VIN WA (1) PRC7019
  - secondary fuel tank pump (1) PRC7019
  - Vehicles with secondary fuel tank. (1) PRC7019
  - 15 gallon tank (1) PRC7019
  - 10 gallon tank (1) PRC7019
  - Fuel pump & level sender unit (in-tank) - VIN XY on; (1)
  - 90 (1) WOB100430
  - Td5 (1) WFX800250
  - V8 efi (1) ESR3928
  - 110/130 (1) WOB100470
  - all petrol engines (1) WOB100440
  - Td5 (1) WFX800260
  - Gasket - fuel pump; (1)
    - up to VIN WA (1) ESR3278
    - including extra fuel tank. (1)
    - VIN XY on (1)
      - all except V8 efi (1) ESR3006
      - V8 efi (1) NTC5089

**Fuel Level Sender**

- Fuel level sender - separate unit; (1)
  - The fuel level sender is a separate item on vehicles up to VIN WA (vehicles with steel fuel tanks), after which they are combined in a single unit (1)
  - with plastic fuel tanks. (1)
  - See also our Re-mapped & Re-chipped ECUs. (1)
  - FUELSYSTEM

**Fuel System**
FUEL SYSTEM

Fuel Filler Cap

Filler cap;
- up to VIN AA259678 (1) NRC9572
- 2 lug, non-locking (1) NRC9429
- VIN AA259679 to VIN WA (non-locking) (black) (black) (1) NTC27575
- locking black (1) RTC4072
- grey (1) RTC4741
- VIN VA on all except V8 effi (1) WLD100730
- V8 effi (1) NTC5418
- secondary under-seat tank (1) 569006

Lift Pump - Diesel

Fuel lift pump - diesel;
- all 4 cyl engines except 300TDi (1) STC1190
- 300TDi (1) ERR5057
- Gasket - fuel lift pump (2) ERR2028

Injection Pump - Diesel

Injection pump - diesel;
- 2.5 NA (1) ERG6761
- 2.5 TD (1) ETC7136
- 200TDi (1) ERR1333
- 300TDi (1) EGR
- non EGR (1) ERR4419
- EGR (1) ERR4046
- Gasket - injection pump - 4 cyl diesel engines;
- 2.5 NA & 2.5 TD engines (1) ERR3617
- 200TDi (1) ERR6311
- 300TDi (1) ERR2023
- Gasket - fuel connector assembly - Td5;
- to eng.no.10P159678 (1) MSX100080
- eng.no.10P159688 on (1) MSX000010

Diesel Injectors

Injector - diesel;
(Injection nozzle);
- 2.5 NA engine (4) ERR1266
- 2.5 TD engine;
- up to VIN GAA42367 (4) 564332
- VIN GAA43268 on (4) ERR1266
- 200TDi (4) ETC8412
- 300TDi (4) ERR3339
- Td5 (5) MEC00040
- to VIN ECD03 (blue);
- VIN ECD03 on (5) MEC00030
- Green.

Nozzle - injector (2.5 NA & TD) (4) 247726

Sealing washer - injector;
- 2.5 NA & 2.5 TD engines
- upper (4) 247179
- lower (4) 12H220L
- 200/300TDi (4) ERR4621
- Td5 (5) ERR7004
- lower (5) ERR6417
- ‘O’-ring - injector harness - Td5 (2) NYX100080

Accelerator & Choke Cables

Accelerator cable;
- petrol engines
- 2.25 petrol
- RHD (1) NRC8116
- LHD (1) NRC8117
- 2.5 petrol
- up to VIN 295722
- - RHD (1) NTC2986
- - LHD (1) NTC2987
- VIN 295723 on (1) NTC3499
- - RHD (1) NTC3492
- V8 carburettor (1) NRC5494
- effi (1) SBB104100
- diesel engines
- 2.5 NA
- RHD (1) NTC2743
- LHD (1) NTC2744
- - up to VIN 267061
- - VIN 267062 on (1) NTC3390
- 2.5 TD
- RHD (1) NTC2743
- LHD (1) NTC2744
- 200TDi (1) ANR1419
- 300TDi (1) NTC4949
- RHD (1) NTC3930
- LHD (1) NTC3933
- Choke cable;
- 4 cylinder petrol
- up to VIN AA270139
- RHD (1) NRC8826
- LHD (1) NRC8827
- VIN AA270140 on (1) NTC1384
- RHD (1) NTC1385
- V8
- up to VIN AA268051
- RHD (1) NRC7797
- LHD (1) NRC7797
- VIN AA268052 to AA271214
- RHD (1) NTC3932
- LHD (1) NTC3933
- Choke switch (1) RTC5816
- Where fitted.

Td5 Accelerator Pedal

Accelerator pedal & potentiometer - Td5;
- up to VIN 1A607224
- VIN 1A607225 on (1) SLC100210
- (1) SLC000010

Gaskets - Fuel system

Gasket - inlet manifold to block;
- 4 cyl petrol engines (2) 564307
- 2.5 NA & TD diesel engine inlet/exhaust gasket
- 200TDi (1) ERR1208
- 300TDi (1) ERR3785
- Td5 (1) LKJ000010
- V8
- tin (1) ERC3990
- composite (1) ERR7306
- End seal - inlet manifold gasket - V8;
- for tin gasket (2) AJM645
- for composite gasket (2) ERR7263
- Gasket - carb to inlet manifold;
- 4 cyl petrol engines (2) ERR4385
- V8 (4) ERR4381
- Gasket set - carburettor;
- 4 cyl petrol engines mechanical pump
- single solenoid (1) AEU2557
- twin solenoid (1) RTC5863
- V8 - SU carbs (2) WZX15050A
- V8 - Stromberg carbs (2) RTC1481A

Air Filter - Standard

See also K&N Filters.

Air filter element;
- 4 cyl petrol models (1) NRC9238
- V8
- twin carb (1) RTC3479
- effi (1) RTC4683
- Diesel models
- 2.5 NA & 2.5 TD (1) NRC9238
- 200TDi (1) NTC6660
- 300TDi (1) ESR2623
- Td5 (1) ESR4238

Air Filter - K&N

See also K&N Filters.

K&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. 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).

K&N filters are proven in both competition and off-road environments.

Air filter elements:
- petrol engines
- 2.25 (1) LL1085
- 2.5 (1) NRC9238-K-N
- V8
- carb engines (2) RB7296
- effi engines
- - replacement element (1) RTC4683-K-N
- To replace square element inside air box.
- - cone type (1) RA1060
- To replace complete air box assembly.

Air filter elements:
- diesel engines
- 2.5 NA & 2.5 TD (1) NRC9238-N
- 200TDi (1) NTC6660-K-N
- 300TDi (1) NTC1435-K-N
- Td5 (1) ESR4238-K-N

K&N Filters.
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.

STAINLESS STEEL EXHAUSTS - A GREAT INVESTMENT.

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 outweighed 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.
- Quiet operation.
- Vehicle Re-sale value enhanced.
- Designed to outlast vehicle lifetime.
- Cost effective.

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.

TO ORDER CALL 01522 568000
**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) LR1039
- 3.5 litre and above (1) LR1072

110
- 3.5 litre (1) LR1040
- 3.9 litre and above (1) LR1073

130
- 3.5 litre (1) LR1124

**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 manifold).

**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 Sytem 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.

**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;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full system - 2.25 petrol;</td>
<td>up to August 1985 to VIN 222010.</td>
<td>mild or stainless steel (1) LR1006</td>
</tr>
<tr>
<td></td>
<td>110 March 1983 to 1986</td>
<td>mild or stainless steel fitting kit (1) LR1006FK</td>
</tr>
</tbody>
</table>

**Full system - 2.5 petrol;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full system - 2.5 petrol;</td>
<td>August 1985 to 1986 Hardtop &amp; Station Wagon to VIN 253495. Soft top to VIN 230010.</td>
<td>mild or stainless steel (1) LR1007 fitting kit (1) LR1007FK</td>
</tr>
<tr>
<td></td>
<td>1986 to 1987 to VIN 267603.</td>
<td>mild or stainless steel (1) LR1008 fitting kit (1) LR1008FK</td>
</tr>
<tr>
<td></td>
<td>1987 on VIN 267604 on.</td>
<td>mild or stainless steel (1) LR1009 fitting kit (1) LR1009FK</td>
</tr>
<tr>
<td></td>
<td>110 Aug 1985 to Aug 1986 4-piece system.</td>
<td>mild or stainless steel (1) LR1023 fitting kit (1) LR1023FK</td>
</tr>
<tr>
<td></td>
<td>Aug 1986 on 3-piece system.</td>
<td>mild or stainless steel (1) LR1025 fitting kit (1) LR1025FK</td>
</tr>
<tr>
<td></td>
<td>127/130 Aug 1985 to Aug 1986 5-piece system.</td>
<td>mild or stainless steel (1) LR1148 fitting kit (1) LR1148FK</td>
</tr>
<tr>
<td></td>
<td>Aug 1986 on 4-piece system.</td>
<td>mild or stainless steel (1) LR1107 fitting kit (1) LR1107FK</td>
</tr>
</tbody>
</table>

**Full system - 3.5 V8 carb;**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full system - 3.5 V8 carb;</td>
<td>up to 1986 Hardtop &amp; Station Wagon up to VIN 253495. Soft top up to VIN 222010.</td>
<td>mild or stainless steel (1) LR1010 fitting kit (1) LR1010FK</td>
</tr>
<tr>
<td></td>
<td>1986 to 1987</td>
<td>mild or stainless steel fitting kit (1) LR1011FK</td>
</tr>
<tr>
<td></td>
<td>1987 only VIN 267604 to VIN 267907.</td>
<td>mild or stainless steel (1) LR1035 fitting kit (1) LR1035FK</td>
</tr>
<tr>
<td></td>
<td>1987 to 1989 VIN 267908 to FA404221</td>
<td>mild or stainless steel fitting kit (1) LR1036FK</td>
</tr>
<tr>
<td></td>
<td>1989 on VIN FA404222 on.</td>
<td>mild or stainless steel (1) LR1061 fitting kit (1) LR1061FK</td>
</tr>
<tr>
<td></td>
<td>110 March 1983 to Aug 1986 Up to VIN 267907.</td>
<td>mild or stainless steel (1) LR1027 fitting kit (1) LR1027FK</td>
</tr>
<tr>
<td></td>
<td>Aug 1986 to 1988 VIN 267908 to FA4043996</td>
<td>mild or stainless steel (1) LR1028 fitting kit (1) LR1028FK</td>
</tr>
<tr>
<td></td>
<td>1988 on VIN FA4043997 on.</td>
<td>mild or stainless steel (1) LR1046 fitting kit (1) LR1046FK</td>
</tr>
</tbody>
</table>

**Full system - 3.9/4.0 V8 EFI**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full system - 3.9/4.0 V8 EFI</td>
<td>up to 1986 Hardtop &amp; Station Wagon to VIN 253495. Soft top to VIN 222010.</td>
<td>mild or stainless steel (1) LR1145 fitting kit (1) LR1145FK</td>
</tr>
<tr>
<td></td>
<td>Aug 1986 to 1988 VIN 267908 to FA404996</td>
<td>mild or stainless steel (1) LR1146 fitting kit (1) LR1146FK</td>
</tr>
<tr>
<td></td>
<td>1988 on VIN FA404997 on.</td>
<td>mild or stainless steel (1) LR1147 fitting kit (1) LR1147FK</td>
</tr>
<tr>
<td></td>
<td>127/130 March 1983 to Aug 1986 Up to VIN 267907.</td>
<td>mild or stainless steel (1) LR1143 fitting kit (1) LR1143FK</td>
</tr>
</tbody>
</table>

**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**
**EXHAUST SYSTEM - STANDARD (DIESEL)**

### 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 220010.
  - mild or stainless steel fitting kit
  - Part No. LR1024
  - LR1024FK

- 1986 to 1987
  - Hardtop & Station Wagon to VIN 253485.
  - soft top to VIN 220010.
  - mild or stainless steel fitting kit
  - Part No. LR1032
  - LR1022FK

**Full system - 2.5 NA diesel (non turbo);**

- 90
  - 1984 to 1986
    - Hardtop & Station Wagon to VIN 253485.
    - Soft top to VIN 220010.
    - mild or stainless steel fitting kit
    - Part No. LR1034
    - LR1034FK

- 1986 to 1987
  - 1986 to 1987
  - Hardtop & Station Wagon VIN 253485 to VIN 267063.
  - Soft top from VIN 220010 to VIN 267063.
  - mild or stainless steel fitting kit
  - Part No. LR1031
  - LR1031FK

- 1992 on
  - VIN JA911705 on.
  - mild or stainless steel fitting kit
  - Part No. LR1048
  - LR1048FK

- 127/130
  - Aug 1986 to 1992
    - VIN 267063 to VIN JA911705.
    - mild or stainless steel fitting kit
    - Part No. LR1062
    - LR1062FK

- 110
  - Oct 1986 to Sept 1990
    - Up to VIN FA450140.
    - mild or stainless steel fitting kit
    - Part No. LR1037
    - LR1037FK

- Sept 1990 on
    - mild or stainless steel fitting kit
    - Part No. LR1063
    - LR1063FK

- 110
  - Oct 1986 to Sept 1990
    - Up to VIN 450079.
    - mild or stainless steel fitting kit
    - Part No. LR1033
    - LR1033FK

- Sept 1990 on
    - mild or stainless steel fitting kit
    - Part No. LR1050
    - LR1050FK

**Full system - 200Tdi diesel;**

- 90
  - mild or stainless steel fitting kit
  - Part No. LR1057
  - LR1057FK

- 130
  - mild or stainless steel fitting kit
  - Part No. LR1054
  - LR1054FK

**Full system - 300Tdi diesel;**

- 90
  - non-cat - VIN MA939976 to MA951235
    - mild or stainless steel fitting kit
    - Part No. LR1089
    - LR1089FK

  - with cat - VIN MA951236 to TA997521
    - mild or stainless steel fitting kit
    - Part No. LR1090
    - LR1090FK

  - with cat - VIN MA939976 to MA951235
    - mild or stainless steel fitting kit
    - Part No. LR1088
    - LR1088FK

  - with cat - VIN MA951236 to TA997521
    - mild or stainless steel fitting kit
    - Part No. LR1086
    - LR1086FK

  - with cat - VIN MA939976 to MA951235
    - mild or stainless steel fitting kit
    - Part No. LR1096
    - LR1096FK

  - with cat - VIN MA951236 to TA997521
    - mild or stainless steel fitting kit
    - Part No. LR1097
    - LR1097FK

**Part System - Cat Back Standard - Mild & Stainless Steel**

Part Systems are catalyst back. See also Individual System Components on following pages.

**Part system - 300Tdi (catalyst models);**

- 90 - cat back
  - VIN MA939976 to MA951235
    - mild or stainless steel fitting kit
    - Part No. LR1095
    - LR1095FK

  - VIN MA951236 to TA997521
    - mild or stainless steel fitting kit
    - Part No. LR1087
    - LR1087FK

**Part system - TD5 (catalyst models);**

- 90 - cat back
  - mild or stainless steel fitting kit
  - Part No. LR1127
  - LR1127FK

  - 110 - cat back
    - mild or stainless steel fitting kit
    - Part No. LR1128
    - LR1128FK

**Part system - TDS (catalyst models);**

- 90 - cat back
  - mild or stainless steel fitting kit
  - Part No. LR1129
  - LR1129FK

- 110 - cat back
  - mild or stainless steel fitting kit
  - Part No. LR1130
  - LR1130FK

**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**
  - front pipe: NRC911 LR61
  - link pipe: NRC636 LR62
  - main box: NRC888 LR72
  - rear box & tailpipe: NRC889 LR73

- **110 March 1983 to 1986**
  - front pipe: NRC911 LR61
  - link pipe: NRC636 LR62
  - main box: NTC4614 LR96
  - rear box & tailpipe: NTC1800 LR99

#### System Components - 2.5 petrol; 90

- **August 1985 to 1986**
  - front pipe: NTC2036 LR81
  - link pipe: NTC1664 LR82
  - main box: NRC888 LR72
  - rear box & tailpipe: NRC889 LR73

- **1986 to 1987**
  - front pipe: NTC2036 LR81
  - link pipe: NTC1664 LR82
  - main box: NTC4415 LR96
  - tailpipe: NTC1149 LR84

#### System Components - 3.9/4.0 V8

**System Components - 3.5 V8; 90**

- **up to 1986**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - rear box & tailpipe: NRC889 LR73

- **1986 to 1987**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1150 LR83
  - tailpipe: NTC1149 LR84

- **1987 only**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1150 LR83
  - tailpipe: NTC1149 LR84

- **1987 to 1989**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1150 LR83
  - tailpipe: NTC1149 LR84

- **March 1983 to Aug 1986**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1150 LR83
  - tailpipe: NTC1149 LR84

- **1986 to 1987**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1150 LR83
  - tailpipe: NTC1149 LR84

- **1987 on**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1150 LR83
  - tailpipe: NTC1149 LR84

#### System Components - 3.9/4.0 V8 loop; 90

- **1988 on**
  - front pipe: NRC4641 LR96
  - main box: NRC888 LR72
  - axle pipe/box: NTC1100 LR99

- **1988 on**
  - front pipe: NRC4641 LR96
  - main box: NRC888 LR72
  - axle pipe/box: NTC1100 LR99

#### System Components - 3.9/4.0 V8 loop; 90

- **March 1983 to Aug 1986**
  - front pipe: NRC4632 LR66
  - main box: NRC888 LR72
  - axle pipe/box: NTC1100 LR99

- **1988 on**
  - front pipe: NRC4641 LR96
  - main box: NRC888 LR72
  - axle pipe/box: NTC1100 LR99

### EXHAUST COMPONENTS - STANDARD (PETROL)

**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**

---

*Current as of 13/1/05*
**Standard Exhaust Components**

### Individual System Components - Diesel

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

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;**

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

110 up to Aug 1986

**System Components - 2.5 NA diesel (non turbo);**

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

90

1984 to 1986

Harleth & Station Wagon to VIN 25.25.495.

Soft top to VIN 25.23.010.

1986 to 1987

Harleth & Station Wagon to VIN 25.25.495 to VIN 26.27.063.

Soft top from VIN 25.23.010 to VIN 26.27.063.

1987 to 1992 - VIN 26.27.064 to VIN 29.11.705.

1992 on - VIN 29.11.706 on.

### System Components - 2.5 TD diesel;**

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

90

Oct 1986 to Set 1990 - Up to VIN FA450140.

**System Components - 2.5 TD diesel;**

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

90

Non-cat with cat - VIN MA939976 to MA951235

With cat - VIN MA939976 to MA951235

**System Components - 200 Tdi;**

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

90

**System Components - 300 Tdi;**

<table>
<thead>
<tr>
<th>Description</th>
<th>Mild Steel</th>
<th>S/Steel</th>
</tr>
</thead>
</table>

90

**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 Gaskets & Fittings

See also 'Fitting Kits' for full or part systems.

### Gasket - inlet to exhaust manifold
- **4 cyl petrol engines:**
  - Diesel: 2.5 NA & TD diesel engines
    - 200 Tdci: ETC7750
    - 300 Tdci: ERR3785
    - Td5: LKG100470
  - Petrol: up to 1994 (VIN LA) or 1995 (VIN MA) on Twin port
    - 4 cyl: ETC5337
    - V8: AJM692, ERR6733

### Gasket - exhaust manifold to cylinder head
- **2.5 TD (1):** ETC5337
- **2.5 TD diesel (1):** ETC4524
- **2.5 NA diesel:**
  - Stud: M8 x 70
  - Nut: M8
  - Bolts: BH108141, FB108061, FN108047
- **2.5 Td5:**
  - Stud: M8
  - Nut: M8
  - Bolts: TE108051, NH108041L

### Gasket - manifold to downpipe
- **4 cylinder petrol:**
  - From VIN AA267064:
    - V8: ETC5337
- **2.5 NA & TD diesel engines:**
  - Stud: M8 x 35
  - Nut: M8
- **2.5 TD diesel:**
  - Stud: M8 x 25mm
  - Nut: M8

### Fixings - exhaust manifold to cylinder head
- **2.25/2.5 petrol:**
  - Stud: M8 x 25
  - Nut: M8
  - Bolts: TE108051, NH108065L
- **2.5 Td5:**
  - Stud: M8 x 25
  - Nut: M8
- **200 Tdci:**
  - Stud: M8 x 25mm
  - Nut: M8
  - Bolts: FB108161L, FN108047L
- **300 Tdci:**
  - Studs: M8 x 25mm
  - M10 x 35mm
  - Nuts: TE108051L, TE110071, FX110047

### Exhaust Jointing Compound
- **(a/r):** GCH112
- **(1/2):** AMR6244
- **Blanking plug - Lambda:** WYB10005
- **Rubber hanger:**
  - **2.5 TD:** AMR6244, WYB10005
  - **300 Tdci:**
    - M8 x 25mm
    - M10 x 35mm

### Studs
- **(1):** ETC5337, ETC5110, ESR3737, ESR3712, ESR3717, LKG100470, ERR3785, ERR6733
- **(2):** ERC2734, ETCS37, ETC5337
- **(3):** AFU1848L, 252623, S3T3150, UAM2360L, ETC7513, ESR3737
- **(6):** TE108051, FN108047, NH108065L, BH108141, FB108061, NH108041L
- **(9):** TE108071, AMC692, ERR6733, ETC5337, ETC5324, ETC4524, ETC5337, ETC5337, ETC5337
- **(12):** NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731, NTC2731
- **(18):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(24):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(30):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(40):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(50):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(60):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(70):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(80):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(90):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L
- **(100):** TE108051, FB108161L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L, FN108047L

**Note:** To order call 01522 568000
TRANSMISSION

**Gear Oil**

**LUBRICANTS & CAPACITIES**

<table>
<thead>
<tr>
<th>Gearbox</th>
<th>Lubricant</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT95 (4 speed)</td>
<td>20W/50</td>
<td>2.6 litres (4.5 pints)</td>
</tr>
<tr>
<td>LT77 &amp; LT77S</td>
<td>ATF</td>
<td>2.2 litres (3.9 pints)</td>
</tr>
<tr>
<td>R380</td>
<td>ATF</td>
<td>2.7 litres (4.7 pints)</td>
</tr>
<tr>
<td>LT230T/Q</td>
<td>EP90</td>
<td>2.8 litres (4.9 pints)</td>
</tr>
</tbody>
</table>

**Transfer Box**

20W/50 (Unipart) 1 litre | A/R | GGL614 |
EP90 (Unipart) 0.5 litre | A/R | GGL190 |
0.5 litre | A/R | GGL175 |
5 litres | A/R | GGL505 |

**MANUAL GEARBOX**

**Gearbox Assembly**

Please contact our sales department for prices & availability of manual gearbox assemblies, quoting gearbox type and serial number/ует.

**Gaskets & Oil Seals**

**Gasket kit - LT77 gearbox** | (1) | RTC6797 |
**Gearbox gaskets & seals;**

**GT**

**Service Items**

**Oil strainer - gearbox drain plug;**

<table>
<thead>
<tr>
<th>Gearbox</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT77</td>
<td>FR6244</td>
</tr>
<tr>
<td>85mm (Santana)</td>
<td>576220</td>
</tr>
</tbody>
</table>

**Gear knob;**

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR4821</td>
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</table>

**Transfer box gasket;**

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR3072</td>
</tr>
</tbody>
</table>

**Oil seal - front & rear flange;**

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR3857</td>
</tr>
</tbody>
</table>

**Drain plug - transfer box;**

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR4808</td>
</tr>
</tbody>
</table>

**Grommet - transfer gear lever;**

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR6872</td>
</tr>
</tbody>
</table>

**Speedo’ Cable & Drive Gear**

**Speedo’ Cable;**

2-piece cable

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR5567</td>
</tr>
</tbody>
</table>

4 cylinder engines - to VIN 268134

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR622</td>
</tr>
</tbody>
</table>

V8 - to VIN 268820

1-piece cable

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR3162</td>
</tr>
</tbody>
</table>

**Transfer Lever Knob**

**Gear knob - transfer box;**

<table>
<thead>
<tr>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTC3852</td>
</tr>
</tbody>
</table>

**Oil Cooler - Gearbox**

Please contact our sales department for price & availability of gearbox oil coolers.

**To ORDER CALL 01522 568000**
## Front Propshaft

For price & availability of complete propshafts, please contact our sales department.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY Req.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal joint - front propshaft;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 cyl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN CA252578 (1986)</td>
<td>(2)</td>
<td>RTC3346</td>
</tr>
<tr>
<td>V8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN CA254406 (1986)</td>
<td>(2)</td>
<td>RTC3346</td>
</tr>
<tr>
<td>VIN CA254407 (1986) on (2)</td>
<td></td>
<td>RTC3458</td>
</tr>
<tr>
<td>Grease nipple - universal joint</td>
<td>(1)</td>
<td>234532</td>
</tr>
<tr>
<td>All models.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gaiter - propshaft sliding joint</td>
<td>(1)</td>
<td>276484</td>
</tr>
<tr>
<td>Bolt - propshaft</td>
<td>(4)</td>
<td>509045</td>
</tr>
<tr>
<td>Nut - propshaft</td>
<td>(8)</td>
<td>TN3209</td>
</tr>
</tbody>
</table>

## Rear Propshaft

For price & availability of complete propshafts, please contact our sales department.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY Req.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal joint - rear propshaft;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 cyl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN CA252578 (1986)</td>
<td>(2)</td>
<td>RTC3346</td>
</tr>
<tr>
<td>V8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN CA254406 (1986)</td>
<td>(2)</td>
<td>RTC3346</td>
</tr>
<tr>
<td>VIN CA254407 (1986) on (2)</td>
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<td>RTC3458</td>
</tr>
<tr>
<td>Grease nipple - universal joint</td>
<td>(1)</td>
<td>234532</td>
</tr>
<tr>
<td>All models.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gaiter - propshaft sliding joint</td>
<td>(1)</td>
<td>TVE100000</td>
</tr>
<tr>
<td>Bolt - propshaft</td>
<td>(4)</td>
<td>509045</td>
</tr>
<tr>
<td>Nut - propshaft</td>
<td>(8)</td>
<td>TN3209</td>
</tr>
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</table>
### Front Axle

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axle assembly - front</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filter/level plug</td>
<td>1</td>
<td>608246</td>
</tr>
<tr>
<td>Axle breather pipe - front;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vehicles with rear drum brakes</td>
<td>1</td>
<td>FTC2175</td>
</tr>
<tr>
<td>vehicles with rear disc brakes</td>
<td>1</td>
<td>FTC2177</td>
</tr>
<tr>
<td>Banjo bolt - axle breather</td>
<td>1</td>
<td>595478</td>
</tr>
<tr>
<td>Sealing washer - banjo bolt</td>
<td>1</td>
<td>220039</td>
</tr>
<tr>
<td>Please enquire for price &amp; availability of complete axle assemblies.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Differential - Front

There are two types of front axle differential, according to the number of splines on the halfshafts:

- **10 spline**
- **24 spline**

Fitted from VIN LA (1994) onwards.

**Final drive ratio of all models is 3.54:**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differential - front</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part number suffixes:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New (N), Factory Recon (E), Aftermarket Recon (R).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete and ready to fit to axle.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 spline</td>
<td>1</td>
<td>FTC2750</td>
</tr>
<tr>
<td>24 spline</td>
<td>1</td>
<td>FTC3142</td>
</tr>
<tr>
<td>Gasket* - differential</td>
<td>1</td>
<td>7316</td>
</tr>
<tr>
<td>Silicone sealant</td>
<td>1</td>
<td>FTC3254</td>
</tr>
<tr>
<td>Oil seal - diff’ pinion</td>
<td>1</td>
<td>FTC8220</td>
</tr>
<tr>
<td>Bearing - differential;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pinion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>outer</td>
<td>1</td>
<td>539707</td>
</tr>
<tr>
<td>inner</td>
<td>1</td>
<td>539706</td>
</tr>
<tr>
<td>differential up to axle suffix B</td>
<td>2</td>
<td>FTC2272</td>
</tr>
<tr>
<td>axle suffix C on</td>
<td>2</td>
<td>FTC3095</td>
</tr>
<tr>
<td>Nut - pinion flange;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>castle</td>
<td>1</td>
<td>3259</td>
</tr>
<tr>
<td>nyloc</td>
<td>1</td>
<td>FY16041L</td>
</tr>
<tr>
<td>Split pin - pinion flange</td>
<td>1</td>
<td>PS60810L</td>
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### Halfshaft - Front

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
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</thead>
<tbody>
<tr>
<td>Halfshaft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For price &amp; availability of halfshafts, contact our sales department. Please have available relevant vehicle details, such as year, VIN no., axle number etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circlip - halfshaft to CV joint;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>all axles except nos.10M to 17M</td>
<td>2</td>
<td>STC579</td>
</tr>
<tr>
<td>axe nos. 10M to 17M</td>
<td>2</td>
<td>SDL00010</td>
</tr>
</tbody>
</table>

### C.V. Joint

C.V. joints on Defenders incorporate the outer drive shaft as one single unit.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.V. joint; up to the following axe nos:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22L27847 (rhd) &amp; 23L12092 (lhd)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110/130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20L48865 (rhd) &amp; 21L35555 (lhd)</td>
<td>2</td>
<td>AEU2522</td>
</tr>
<tr>
<td>above axle nos up to VIN KA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All models.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIN LA930456 to on</td>
<td>2</td>
<td>TDJ00010</td>
</tr>
<tr>
<td>Spacer - C.V.joint;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for AEU2522 (see above)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for RTC8862 &amp; TDJ00010</td>
<td>2</td>
<td>STC579</td>
</tr>
<tr>
<td>Circlip - C.V.joint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for AEU2522 (see above)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for RTC8862 &amp; STC3051</td>
<td>2</td>
<td>STC579</td>
</tr>
<tr>
<td>for TDJ00010</td>
<td>2</td>
<td>STD00010</td>
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</table>

### Swivel Housing

Please enquire for price & availability of swivel housings.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel pin; all except axle nos.10M to 17M;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper - up to VIN KA930455 (1993)</td>
<td>2</td>
<td>FTC3511</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>2</td>
<td>FTC2882</td>
</tr>
<tr>
<td>axle nos.10M to 17M (swivel pin kit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vehicles with ABS</td>
<td>2</td>
<td>TAR100050</td>
</tr>
<tr>
<td>non ABS vehicles</td>
<td>2</td>
<td>TAR100040</td>
</tr>
<tr>
<td>Bearing - swivel pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper - up to VIN KA930455 (1993)</td>
<td>2</td>
<td>FTC2906</td>
</tr>
<tr>
<td>all models</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thrust washer - upper swivel pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicles up to VIN KA930455 (1993)</td>
<td>2</td>
<td>FTC2916</td>
</tr>
<tr>
<td>Bearing - swivel pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper - up to VIN KA930455 (1993)</td>
<td>2</td>
<td>FTC2916</td>
</tr>
<tr>
<td>all models</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasket - lower swivel pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All models</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shim - upper swivel pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All vehicles except axle nos.10M to 17M;</td>
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<td></td>
</tr>
<tr>
<td>0.005* (a/r)</td>
<td>2</td>
<td>FTC2883</td>
</tr>
<tr>
<td>0.01* (a/r)</td>
<td>2</td>
<td>FTC2884</td>
</tr>
<tr>
<td>0.03* (a/r)</td>
<td>2</td>
<td>FTC2885</td>
</tr>
<tr>
<td>0.04* (a/r)</td>
<td>2</td>
<td>FTC2886</td>
</tr>
<tr>
<td>Silicone sealant</td>
<td>1</td>
<td>FTC3867</td>
</tr>
<tr>
<td>Oil seal - chrome swivel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>internal (small)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>axles 20L to 23L</td>
<td>2</td>
<td>FTC3866</td>
</tr>
<tr>
<td>axles 61L to 64L</td>
<td>2</td>
<td>FTC3867</td>
</tr>
<tr>
<td>external (large) - 9mm thick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plate - oil seal retainer;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>axles 20L to 23L</td>
<td>2</td>
<td>FTC3866</td>
</tr>
<tr>
<td>axles 61L to 64L</td>
<td>2</td>
<td>FTC3867</td>
</tr>
<tr>
<td>Plate - chrome swivel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasket - all models</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All models</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIN LA (1994) on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gear Oil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP90 gear oil - 0.5 litre</td>
<td>1 (a/r)</td>
<td>GGL190</td>
</tr>
<tr>
<td>Silicone sealant</td>
<td>1</td>
<td>FTC3435</td>
</tr>
<tr>
<td>Oil seal - stub axle;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN KA930455 (1993)</td>
<td>2</td>
<td>FTC3099</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>2</td>
<td>FTC5268</td>
</tr>
<tr>
<td>Bearing - stub axle;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN KA930455 (1993)</td>
<td>2</td>
<td>FTC4319</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>2</td>
<td>FTC861</td>
</tr>
<tr>
<td>Gasket - stub axle;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All models</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking plate - stub axle bolts</td>
<td>2</td>
<td>FTC2310</td>
</tr>
<tr>
<td>Thrust washer - stub axle</td>
<td>2</td>
<td>FTC56</td>
</tr>
<tr>
<td>VIN LA (1994) on</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Chrome Swivel Ball

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome swivel ball;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>axes: 20L, 21L, 22L &amp; 23L</td>
<td>2</td>
<td>FTC5105</td>
</tr>
<tr>
<td>axes: 61L, 62L, 63L &amp; 64L</td>
<td>2</td>
<td>FTC7065</td>
</tr>
<tr>
<td>Also 10M to 17M inclusive.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasket - chrome swivel</td>
<td>2</td>
<td>FTC3646</td>
</tr>
<tr>
<td>All models.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil seal - chrome swivel;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>internal (small)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>axes 20L to 23L</td>
<td>2</td>
<td>FTC5105</td>
</tr>
<tr>
<td>axes 61L to 64L</td>
<td>2</td>
<td>FTC7065</td>
</tr>
<tr>
<td>external (large) - 9mm thick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plate - oil seal retainer;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>axes 20L to 23L</td>
<td>2</td>
<td>FTC5105</td>
</tr>
<tr>
<td>axes 61L to 64L</td>
<td>2</td>
<td>FTC7065</td>
</tr>
<tr>
<td>Gaiter kit - chrome swivel</td>
<td>1</td>
<td>FTC3826</td>
</tr>
<tr>
<td>Includes axle set of leather gaiters, for protecting chrome swivels.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Hub Assembly - Front

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hub &amp; wheelstud assembly; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>FTC6139</td>
</tr>
<tr>
<td>VIN LA930456 (1994)</td>
<td>(2)</td>
<td>FTC3154</td>
</tr>
<tr>
<td>Wheel stud; up to VIN KA930455 (1993)</td>
<td>(10)</td>
<td>FTC6137</td>
</tr>
<tr>
<td>VIN LA930456 (1994)</td>
<td>(10)</td>
<td>FTC9826</td>
</tr>
<tr>
<td>Hub bearing - inner &amp; outer</td>
<td>(4)</td>
<td>RTC3429</td>
</tr>
<tr>
<td>All models. Oil seal - hub inner; up to axle nos: 22L06071B (RHD) &amp; 23L03666B (LHD)</td>
<td>(2)</td>
<td>LL1086</td>
</tr>
<tr>
<td>above axle nos. on</td>
<td>(2)</td>
<td>LL1087</td>
</tr>
<tr>
<td>110 &amp; 130</td>
<td>up to axle nos: 21L52060C (LHD)</td>
<td>(2)</td>
</tr>
<tr>
<td>above axle nos. on</td>
<td>(2)</td>
<td>LL1087</td>
</tr>
<tr>
<td>VIN LA (1994) on</td>
<td>(2)</td>
<td>LL1089</td>
</tr>
<tr>
<td>Locknut - stub axle; all axles except 10m to 17M</td>
<td>(4)</td>
<td>FRC8700</td>
</tr>
<tr>
<td>axle nos.10M to 17M</td>
<td>(4)</td>
<td>RDF100000</td>
</tr>
<tr>
<td>Lockwasher - stub axle; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>217353</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>FTC3179</td>
</tr>
<tr>
<td>Drive flange - all models; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>FRC5806</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>RUC105200</td>
</tr>
<tr>
<td>Gasket - drive flange; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>FRC3988</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>FRC1719</td>
</tr>
<tr>
<td>Shim - halfshaft - all models; 0.45mm (A/R)</td>
<td>(1)</td>
<td>FRC6782</td>
</tr>
<tr>
<td>0.60mm (A/R)</td>
<td>(1)</td>
<td>FRC6783</td>
</tr>
<tr>
<td>0.75mm (A/R)</td>
<td>(1)</td>
<td>FRC6784</td>
</tr>
<tr>
<td>0.90mm (A/R)</td>
<td>(1)</td>
<td>FRC6785</td>
</tr>
<tr>
<td>1.05mm (A/R)</td>
<td>(1)</td>
<td>FRC6786</td>
</tr>
<tr>
<td>1.20mm (A/R)</td>
<td>(1)</td>
<td>FRC6787</td>
</tr>
<tr>
<td>1.35mm (A/R)</td>
<td>(1)</td>
<td>FRC6788</td>
</tr>
<tr>
<td>1.50mm (A/R)</td>
<td>(1)</td>
<td>FRC6789</td>
</tr>
<tr>
<td>1.65mm (A/R)</td>
<td>(1)</td>
<td>FRC6790</td>
</tr>
<tr>
<td>Circlip - halfshaft - all models</td>
<td>(2)</td>
<td>FRC4377</td>
</tr>
<tr>
<td>Cap - drive flange; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>FRC3904</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>FTC5414</td>
</tr>
<tr>
<td>With Land Rover Kps. 0.45mm (A/R)</td>
<td>(1)</td>
<td>FTC6782</td>
</tr>
<tr>
<td>0.60mm (A/R)</td>
<td>(1)</td>
<td>FTC6783</td>
</tr>
<tr>
<td>0.75mm (A/R)</td>
<td>(1)</td>
<td>FTC6784</td>
</tr>
<tr>
<td>0.90mm (A/R)</td>
<td>(1)</td>
<td>FTC6785</td>
</tr>
<tr>
<td>1.05mm (A/R)</td>
<td>(1)</td>
<td>FTC6786</td>
</tr>
<tr>
<td>1.20mm (A/R)</td>
<td>(1)</td>
<td>FTC6787</td>
</tr>
<tr>
<td>1.35mm (A/R)</td>
<td>(1)</td>
<td>FTC6788</td>
</tr>
<tr>
<td>1.50mm (A/R)</td>
<td>(1)</td>
<td>FTC6789</td>
</tr>
<tr>
<td>1.65mm (A/R)</td>
<td>(1)</td>
<td>FTC6790</td>
</tr>
<tr>
<td>Circlip - halfshaft - all models</td>
<td>(2)</td>
<td>FTC4377</td>
</tr>
<tr>
<td>Cap - drive flange; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>FTC3904</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>FTC5414</td>
</tr>
</tbody>
</table>

### WHEEL BEARING KIT

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 diffs have 10 spline halfshafts up to VIN KA930455 (1993), & 24 spline halfshafts from VIN LA930456 (1994) on. Vehicles with 4 pinion diffs are all fitted with 24 spline halfshafts.

### Differential - Rear

- Differential - rear - Rover axles; Part number suffixes:
  - (N), Factory Recon (E), Aftermarket Recon (R).
  - New (N), Factory Recon (E), Aftermarket Recon (R).
Complete and ready to fit to axle.

- Differential - rear - Salisbury axles.
  - Salisbury differentials are not available separately. Please ensure for price & availability of complete axle assemblies.
  - Differential kit; Gear Oil
  - Gear Oil
  - Gear Oil
  - Gear Oil
  - Gear Oil
  - Gear Oil
  - Gear Oil

### Rear Hub & Stub Axle

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stub axle; up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>FTC3649</td>
</tr>
<tr>
<td>up to axle no.22S08283B</td>
<td>(2)</td>
<td>FRC6141</td>
</tr>
<tr>
<td>axle no.22S08264B on</td>
<td>(2)</td>
<td>FTC1719</td>
</tr>
<tr>
<td>110 &amp; 130</td>
<td>(2)</td>
<td>FTC3648</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(10)</td>
<td>FTC5926</td>
</tr>
<tr>
<td>110/130</td>
<td>(2)</td>
<td>FTC3650</td>
</tr>
<tr>
<td>38S &amp; 39S axle nos</td>
<td>(2)</td>
<td>FTC5268</td>
</tr>
<tr>
<td>all other axle nos</td>
<td>(2)</td>
<td>FTC5268</td>
</tr>
<tr>
<td>Gasket - stub axle</td>
<td>(2)</td>
<td>FTC8555</td>
</tr>
<tr>
<td>Oil seal - stub axle inner</td>
<td>(2)</td>
<td>FTC5268</td>
</tr>
<tr>
<td>VIN LA (1994) on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hub assembly - rear; includes wheelstud.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WHEEL BEARING KIT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gear Oil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Gear Oil

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP90 gear oil - 0.5 litre</td>
<td>(a/r)</td>
<td>GGL190</td>
</tr>
</tbody>
</table>

**TO ORDER CALL 01522 568000**
### Shock Absorber - Front Standard

For Uprated Shock Absorbers/Kits, refer to Suspension Packages.

**Shock absorber - front;**
- Includes washers, rubber bushes & nuts.

<table>
<thead>
<tr>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td></td>
</tr>
<tr>
<td>up to WA159806</td>
<td>(2) STC3766</td>
</tr>
<tr>
<td>VIN WA159807 on</td>
<td>(2) RSC100040</td>
</tr>
<tr>
<td>110 &amp; 130</td>
<td></td>
</tr>
<tr>
<td>up to VIN WA159806 (1998)</td>
<td>(2) STC3769</td>
</tr>
<tr>
<td>VIN WA159807 (1999) on</td>
<td>(2) RSC100050</td>
</tr>
</tbody>
</table>

**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
    - (1) LL1059PY
  - Polyurethane
    - (1) 552818

**Washer - shock absorber - all models;**
- Outer
  - (8) 500746
- Inner
  - (8) NRC4365

**Nut - shock absorber - all models; Upper & lower;**
- For RTC4635 & RTC4637
  - (4) NY6608041
- For all other shock absorbers
  - (4) NTC4571

---

### 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.

---

### 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 (1) NRC8044
- driver's side (1) NRC8045
- passenger's side (1) NRC8046
- 130 driver's side (1) NRC9448
- passenger's side (1) NRC9449

**Spring seat lower**
- (2) NRC9700

**Screw - spring seat**
- (2) SH110251

---

### 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) RB1062
  - Includes mounting & link bushes (total 6).
- Bolt - link to anti-roll bar (2) NTC8202

---

### TO ORDER CALL 01522 568000
### Radius Arm - Front

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radius arm - front;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>NTC2705</td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>NTC7331</td>
</tr>
<tr>
<td>Nut - radius arm</td>
<td>(2)</td>
<td>NY120041</td>
</tr>
<tr>
<td>Bush - radius arm to axle (all models):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>available in either standard rubber or polyurethane.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>standard</td>
<td>(4)</td>
<td>NTC6781</td>
</tr>
<tr>
<td>polyurethane</td>
<td>(4)</td>
<td>NTC6781PY</td>
</tr>
<tr>
<td>Bolt - radius arm to axle;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN KA930455 (1993)</td>
<td>(2)</td>
<td>BH610281L</td>
</tr>
<tr>
<td>5/8 UNF x 3 1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>BH116187</td>
</tr>
<tr>
<td>M16 x 90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nut - radius arm bolt;</td>
<td>(2)</td>
<td>183563</td>
</tr>
<tr>
<td>up to VIN KA930455 (1993)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For 5/8 UNF bolt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIN LA930456 (1994) on</td>
<td>(2)</td>
<td>NV116047</td>
</tr>
<tr>
<td>For M16 bolt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bush - radius arm to chassis;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to VIN VA130784</td>
<td>(4)</td>
<td>NRC4514</td>
</tr>
<tr>
<td>standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyurethane</td>
<td>(4)</td>
<td>NRC4514PY</td>
</tr>
<tr>
<td>VIN VA130785 on</td>
<td>(4)</td>
<td>ANR6971</td>
</tr>
<tr>
<td>standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyurethane</td>
<td>(4)</td>
<td>ANR6971PY</td>
</tr>
</tbody>
</table>

### Panhard Rod

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panhard rod</td>
<td>(1)</td>
<td>RBI100000</td>
</tr>
<tr>
<td>Bush - panhard rod - all models</td>
<td>(2)</td>
<td>ANR3410</td>
</tr>
<tr>
<td>standard</td>
<td>(2)</td>
<td>ANR3410PY</td>
</tr>
<tr>
<td>polyurethane</td>
<td>(2)</td>
<td>ANR3410PY</td>
</tr>
<tr>
<td>Bolt - panhard rod</td>
<td>(2)</td>
<td>BH114167</td>
</tr>
<tr>
<td>Nut - panhard rod bolts</td>
<td>(2)</td>
<td>NV114047</td>
</tr>
</tbody>
</table>

### Bump Stop Rubber

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bump stop rubber - front</td>
<td>(2)</td>
<td>ANR4188</td>
</tr>
</tbody>
</table>
### 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.

### Shock Absorber - Rear Standard

For Upgraded Shock Absorbers/Kits, refer to Suspension Packages.

- **Shock absorber - rear;**
  - up to VIN WA159806 (1998) (2)
    - STC3767
  - VIN XA159807 (1999) on
    - (2) RPM100070
  - 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)
        - (2) NRC5593
      - polyurethane (2)
        - (2) NRC5593PY
    - lower
      - standard (2)
        - (2) 552818
      - polyurethane (2)
        - (2) 552818PY
  - Bush kit - shock absorber - front & rear;
    - All models; includes 12 bushes in total.
      - standard rubber (1)
        - LL1059
      - polyurethane (1)
        - LL1095PY
  - 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

### 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)
      - (1) RKB101230
    - passenger's side (1)
      - (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
  - VIN XA159807 on (2)
    - 110 - VIN WA159807 on
      - 130
        - (2) RKB101111
  - up to VIN WA159806
    - driver's side (1)
      - NRC6389
    - passenger's side (1)
      - NRC6904
  - VIN XA159807 on (2)
    - 110 - VIN XA159807 on
      - 130
        - (2) RKB101111
  - Helper spring - 110-130 H/duty
    - Spring seat - lower;
      - 90
        - up to VIN LA (1994)
          - (2) NRC9700
        - VIN MA (1995) on
          - 110/130
            - (2) ANR3578
            - (2) NRC4317
  - Retainer - spring;
    - 90
      - up to VIN LA (1994)
    - VIN MA (1995) on
      - 110/130
        - (2) ANR3578
        - (2) NRC4317
  - Retainer - spring;
    - isolator/spring seat - upper (2)
      - All models from VIN KA on.
        - (2) ANR3060

### 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)
            - (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**
  - All models.
    - (2) ANR4189
Balljoint - Upper Link
(A-Frame)

Please enquire for price & availability of complete upper link assembly.

Balljoint - A-frame;
standard (1) ANR1799
Complete with rubber boot, nut & split pin.
heavy duty (1) ANR17990R
Adjustable, to remove play as it wears. Supplied less rubber boot (see below).

Nut (castellated) - balljoint (1) NTC4618
Split pin (1) PS106321
Rubber boot - balljoint (1) 572338
Bush - top link;
standard (2) NTC1773
polyurethane (pair) (1) NTC1773PY

Bush - top link to chassis (2) NH612321
Nut - top link (2) NY612041

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) ANR4344
Bush - anti-roll bar mounting; 90
except V8 EFI & TD5
standard (2) NTC7394
polyurethane (2) NTC7394PY
V8 EFI & TD5
standard (2) EGP1889
polyurethane (2) EGP1889PY
110/130
standard (2) NRC5674
polyurethane (2) NRC5674PY
Link/balljoint assembly (2) NTC1888
Bush - link assembly;
standard (4) 552819
polyurethane (4) 552819PY
Bush kit - polyurethane;
Includes mounting & link bushes (total 6).
90
except V8 EFI & TD5
V8 EFI & TD5 (1) RD1062
110/130 (1) LL1096
Bolt - link to anti-roll bar (2) NTC8202

Self-levelling Unit - 110

Self-levelling unit (1) NRC7050
Fitted to certain 110 models only.

Balljoint - self-levelling unit (2) 575882
Upper & lower;
Gaiter - balljoint;
upper (1) NRC5707
lower (1) NRC6561
Seal - lower balljoint (1) NRC8007
STANDARD SHOCK ABSORBER KITS
Kits include 2 front and 2 rear standard shock absorbers.

<table>
<thead>
<tr>
<th>STANDARD ROAD SPRING KITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR/CHASSIS NUMBER</td>
</tr>
<tr>
<td>Normal Duty</td>
</tr>
<tr>
<td>Up to VIN WA159806 (1998)</td>
</tr>
<tr>
<td>VIN XA159807 (1999) on</td>
</tr>
</tbody>
</table>

STANDARD SPRING KITS
Kits include 2 front and 2 rear standard road springs.

<table>
<thead>
<tr>
<th>STANDARD SHOCK ABSORBER KITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR/CHASSIS NUMBER</td>
</tr>
<tr>
<td>Normal Duty</td>
</tr>
<tr>
<td>Up to VIN WA159806 (1998)</td>
</tr>
<tr>
<td>VIN XA159807 (1999) on</td>
</tr>
</tbody>
</table>

STANDARD SHOCK ABSORBER & SPRING KITS
Kits include 2 front and 2 rear standard shock absorbers and 4 standard road springs.

<table>
<thead>
<tr>
<th>STANDARD SHOCK ABSORBER &amp; SPRING KITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR/CHASSIS NUMBER</td>
</tr>
<tr>
<td>Normal Duty</td>
</tr>
<tr>
<td>Up to VIN WA159806 (1998)</td>
</tr>
<tr>
<td>VIN XA159807 (1999) on</td>
</tr>
</tbody>
</table>
SUSPENSION BUSH & BOLT KITS
STANDARD & POLYURETHANE

SUSPENSION PACKAGES - Standard

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

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
RA1274
Comfort 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 LL1308
90 - TD5 & 50th Anniversary only LL1309
110 & 130 - all models LL1310

BOLT KITS
Contain all the nuts & bolts necessary when renewing the suspension bushes.

BOLT KIT
RA1177

TO ORDER CALL 01522 568000
Uprated 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 uprated 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 uprated 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 uprated shock absorbers with standard springs (see page 53 for standard spring kits) or you can fit uprated 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!

UPRATED SHOCK ABSORBER KITS ALL MODELS

<table>
<thead>
<tr>
<th>De Carbon</th>
<th>FRONT (pair)</th>
<th>REAR (pair)</th>
<th>CAR set (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(all models)</td>
<td>RA1345D</td>
<td>RA1346D</td>
<td>RA1344D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BILSTEIN</th>
<th>FRONT (pair)</th>
<th>REAR (pair)</th>
<th>CAR set (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bilstein (all models)</td>
<td>RA1345B</td>
<td>RA1346B</td>
<td>RA1344B</td>
</tr>
<tr>
<td>up to VIN WA ('98)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIN XA ('99) on</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KONI</th>
<th>FRONT (pair)</th>
<th>REAR (pair)</th>
<th>CAR set (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(all models)</td>
<td>RA1345K</td>
<td>STC3767K</td>
<td>LL1110</td>
</tr>
<tr>
<td>to VIN WA ('98)</td>
<td></td>
<td>RPM100070K</td>
<td>LL1111</td>
</tr>
<tr>
<td>VIN XA ('99) on</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GAZ</th>
<th>FRONT (pair)</th>
<th>REAR (pair)</th>
<th>CAR set (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(all models)</td>
<td>RA1345G</td>
<td>RA1346G</td>
<td>RA1344G</td>
</tr>
</tbody>
</table>
UPRATED SHOCK ABSORBER & SPRING KITS ALL MODELS

De Carbon uprated Shock Absorbers & uprated Springs
CAR SET (4)
All models
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.

Koni uprated Shock Absorbers & uprated Springs
CAR SET (4)
To VIN WA('98) VIN XA('99) on
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.

Bilstein uprated Shock Absorbers & uprated Springs
CAR SET (4)
To VIN WA('98) VIN XA('99) on
90 - with Raised Ride Height Springs
Front: 255lb, raised 40mm. Rear: 295lb, raised 40mm.
110/130 - with Raised Ride Height Springs
NB: Not suitable for vehicles with self-levelling suspension.
Front: 255lb, raised 40mm. Rear: 510lb, raised 40mm.

Gaz uprated Shock Absorbers & uprated Springs
CAR SET (4)
All models
90 - with Raised Ride Height Springs
Front: 255lb, raised 40mm. Rear: 295lb, raised 40mm.
110/130 - with Raised Ride Height Springs
NB: Not suitable for vehicles with self-levelling suspension.
Front: 255lb, raised 40mm. Rear: 510lb, raised 40mm.

UPRATED SPRING KIT

Uprated Springs
Raised Ride Height
90
Front: rate 255lb, raised 45mm. Rear: rate 295lb, raised 40mm.
110/130 (Not self-levelled suspension)
Front: rate 255lb, raised 45mm. Rear: rate 295lb, raised 40mm.

UPRATED STEERING DAMPER

Bilstein used steering damper - Bilstein
RTC4472UR

Used on its own or in conjunction with uprated suspension and bush kits, uprated steering dampers improve the 'feel' and accuracy of the steering.

TO ORDER CALL 01522 568000
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
235/85 R 16 tyres
265/75 R 16 tyres

FRestyle

‘Freestyle’
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
235/85 R 16 tyres
265/75 R 16 tyres

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
235/85 R 16 tyres
265/75 R 16 tyres

CYCLONE

‘Cyclone’
Land Rover Alloy Wheel (5 spoke)
Silver sparkle, less centre & nuts (7Jx16)
Set of 4 wheels fitted with a choice of tyre sizes.
205 R 16 tyres
235/85 R 16 tyres
265/75 R 16 tyres

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.
**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
- 235/85 R 16 tyres
- 265/75 R 16 tyres

**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
- 235/85 R 16 tyres
- 265/75 R 16 tyres

**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
- 235/85 R 16 tyres
- 265/75 R 16 tyres

**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
- 205 R 16 tyres
- 235/85 R 16 tyres
- 265/75 R 16 tyres

**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
- 205 R 16 tyres
- 235/85 R 16 tyres
- 265/75 R 16 tyres

**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 ANR2763MMMk
Wheel nuts - locking;
with 205x16 tyres
- set of 5 STC8843AA
- set of 5 + 16 STC8843AAk
Standard plain nuts
- set of 5 STC8843AA
- set of 5 + 16 STC8843AAk
Standard nuts w/ s/s cap.
- with 235/265x16 tyres
- set of 5 STC7623
Wheel centre cap (with logo)
- Quick Silver ANR2391MUE
- Silver Sparkle ANR2391MNH
- Pewter ANR2391LAL
- Westminster (dark grey) ANR2391LUQ
Wheel stud;
- up to VIN KA930455 (1993) (20) FRC6137
- VIN LA930456 (1994) on (20) FRC9926

**Wheel Nuts, Centres & Studs**

Wheel Nuts (steel wheels)
- standard - each NTC7396
- standard - set of 20 NTC7396K
- locking - set of 5 RTO8535
- locking - set of 5 + 15 standard nuts RTO9535K
Wheel Stud (if required)
- for Steel wheels (each) (20) 576841

**TO ORDER CALL 01522 568000**
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 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
### 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)
  - RH: 1 CAT000200PMA
  - LH: 1 CAT000210PMA

### Tools

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY Req</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Hydraulic Jack</td>
<td>(a/r)</td>
<td>ANR4489</td>
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<tr>
<td>Handle for jack</td>
<td>(a/r)</td>
<td>NTC6856</td>
</tr>
<tr>
<td>Wheel Brace</td>
<td>(a/r)</td>
<td>NTC7629</td>
</tr>
<tr>
<td>Wheel Chock (each)</td>
<td>(a/r)</td>
<td>ANR4960</td>
</tr>
<tr>
<td>Tyre Pump</td>
<td>(a/r)</td>
<td>523638A</td>
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### Autoglym

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY Req</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Autoglym ‘Clean Wheels’</td>
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<td>RX1322</td>
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<tr>
<td>Autoglym ‘Tyre dressing’</td>
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<td>RX1368</td>
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<tr>
<td>Autoglym ‘Wheel seal’</td>
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<td>RX1443</td>
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</table>

### Wheel Wax

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel wax (225g)</td>
<td></td>
<td>RX1262</td>
</tr>
</tbody>
</table>

**TO ORDER CALL 01522 568000**
### Brake Discs

**Brake disc:**
- **front**
  - standard (each) (2) FRC7329
  - uprated (pair) (1) FRC7329UR
  - EBC turbo groove.
- **vented**
  - standard (each) (2) FTC902
  - uprated (pair) (1) FTC902UR
  - EBC turbo groove.
- **rear**
  - standard (each) (2) FTC1381
  - uprated (pair) (1) FTC1381UR
  - EBC turbo groove.

### Brake Calipers

**Caliper - front;**
- solid discs
  - up to axle nos: 22L09655 (RHD) & 23L05987 (LHD) (1) RTC3380
  - VIN HA701001 to K996055 (1993) (1) RTC3381
  - axle nos 22L09655 to 22L10191 (RHD) & 23L06060 to 23L060678 (LHD) (1) RTC3382
  - up to axle nos: 22L10272 (RHD) & 23L06059 (LHD) (1) RTC3388
  - up to VIN L960545 (1994) (1) RTC3389
  - vented discs
  - 4-cylinder heavy duty and V8 applications. (1) STC1262
  - (1) STC1263

**Caliper - rear;**
- solid discs (1) RTC5001
- vented discs (1) STC3857
- rear (1) STC3857

### Brake Pads - Standard

**Brake pads - front (axle set);**
- See also Uprated Brake Pads.
- 90
  - up to axle nos: 22L10271 (RHD) & 23L06078 (LHD) (1) STC2956
  - up to axle nos: 22L10272 (RHD) & 23L06078 (LHD) up to VIN HA701009 (1991) (1) STC3765
  - VIN HA701010 to K996055 (1) STC2952
  - VIN L960545 (1994) on (1) SFP000260
  - 110/130
  - up to VIN K996055 (1993) (1) STC2952
  - VIN L960546 to on (1) SFP000280
  - Brake pads - rear (axle set); 90
  - 110/130
  - up to VIN ZA614447 (1) SFP000270
  - from axle no: 22L1022 (RHD) & 23L06078 (LHD) up to VIN HA701009 (1991) (1) RTC3380
  - VIN HA701010 to K996055 (1) RTC3381
  - axle nos 22L10192 to 22L1027 (RHD) & 23L06060 to 23L060678 (LHD) (1) RTC3382
  - up to VIN L960545 (1994) on (1) RTC3383
  - vented discs
  - 4-cylinder heavy duty and V8 applications. (1) STC1262
  - (1) STC1263

### Brake Pads - Uprated

**Brake pads - uprated (axle set);**
- 90
  - up to axle nos: 22L10271 (RHD) & 23L06078 (LHD) (1) STC2956UR
  - up to axle nos: 22L10272 (RHD) & 23L06078 (LHD) up to VIN HA701009 (1991) (1) RTC3380
  - VIN HA701010 to K996055 (1) RTC3381
  - axle nos 22L10192 to 22L1027 (RHD) & 23L06060 to 23L060678 (LHD) (1) RTC3382
  - up to VIN L960545 (1994) on (1) RTC3383
  - vented discs
  - 4-cylinder heavy duty and V8 applications. (1) STC1262
  - (1) STC1263

### Brake Drum - Rear

**Brake shoes - rear;**
- 90
  - standard duty (1) STC2797
  - heavy duty (1) STC2798

**Bleed nipple - caliper**
- front
  - all up to VIN KA930455 (a/r) (2) RTC1115A
  - all VIN LA930456 (1994) on (2) 608400

**Wheel Cylinder - Rear**

**Wheel cylinder;**
- 90
  - up to VIN KA930455 (1991) (2) RTC3170
  - VIN HA701010 on (2) STC466
  - up to VIN 1A614448 on (2) AEU2498

**Washers**
- wheel cylinder, 90 (2) SJC000010

**Bleed screw - wheel cylinder;**
- 90
  - up to VIN KA930455 (1991) (2) RTC3168
  - VIN HA701010 on (2) STC467

**Repair kit - wheel cylinder;**
- 90
  - up to VIN KA930455 (1991) (2) RTC3170
  - VIN HA701010 on (2) STC466

**Washers**
- wheel cylinder, 90 (2) SJC000010

**Bleed nipple - caliper**
- front
  - all up to VIN KA930455 (a/r) (2) RTC1115A
  - all VIN LA930456 (1994) on (2) 608400

**Bleed screw - wheel cylinder;**
- 90
  - up to VIN KA930455 (1991) (2) RTC3168
  - VIN HA701010 on (2) STC467
**Brake Hydraulics**

**Master cylinder - non ABS;**

*See ABS Components, below, for ABS master cylinder.*

- **90**
  - up to VIN HA700109 (1991) (1) NRC9529
  - VIN HA7001010 on (1) SJC100460
  - 110/130
  - up to VIN HA9001219 (1991) (1) NRC8690
  - VIN HA9001220 on (1) SJC100460

**Seal kit - master cylinder;**

- **90**
  - up to VIN HA700109 (1991) (1) RTC3387
  - VIN HA7001010 to XA178473 (1) STC491
  - 110/130
  - up to VIN HA9001219 (1991) (1) AEU3015
  - VIN HA9001220 to XA178473 (1) STC491

**Brake Servo**

**Servo assembly - non-ABS;**

*See ABS Components, below, for ABS servo assembly.*

- to VIN HA700109 (90) & HA9001219 (110/130):
  - 1 port (1) STC2878
  - 2 port use STC2878
  - Type 50 (1) NRC4775
    - 276mm diameter non-return valve aperture at top left.
  - Type 80 (1) NRC4772
    - 227mm diameter non-return valve aperture at bottom right.
  - above VINs on (1) STC4322

**Repair kit - servo;**

- Type 50 (1) 1G63951A
- Type 80 (1) AEU2741

**Non-return valve - servo;**

- up to VIN WA159806 (1) RTC812
- VIN XA159807 on (1) STC491

**Brake Vacuum Pump - Tdi**

**Vacuum pump - brake;**

- 200Tdi (1) ERR535
- 300Tdi (1) ERR3539

**Gasket - vacuum pump;**

- 200Tdi (2) ETC4616
- 300Tdi (1) ERR2027

**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) LL1115RHD
  - lhd (1) LL1115LHD
  - 110
  - up to 1998
  - rhd (1) LL1116RHD
  - lhd (1) LL1116LHD
  - 1994 on - rhd (1) LL1117RHD

---

**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 (1) NRC9455
  - stainless steel braided (1) NRC9456
  - 90
  - 110/130
  - standard (1) NRC9455GR
  - stainless steel braided (1) NRC9456GR

**Brake hose - flexible - rear;**

- all non-ABS vehicles
  - standard (1) NRC9455
  - stainless steel braided (1) NRC9456

**Braided brake hose kit - 50mm longer;**

- For vehicles with raised ride height. Vehicle set.
  - 90” models up to ’99 (1) LL1231
  - all models ‘99 on - non ABS (1) LL1232
  - 110 models (1) LL1233

**Brake Valve**

**Brake valve;**

- forward-mounted
  - Models with rear disc brakes only:
    - 90 (1) NTG836
    - 110/130
    - up to VIN LA (1994) (1) NRG8215
    - VIN MA (1995) on (1) AMR1415

- rear-mounted
  - Models with rear drum brakes (1) NRC8215

**Brake Fluid**

**Brake fluid;**

- DOT 3 (1 litre) (a/r) GBF103
- silicone fluid
  - 0.5 litre (a/r) RX3127
  - 1 litre (a/r) RX3126

**Brake cleaner - aerosol**

- (a/r) GBF901

**ABS Components**

**Master cylinder - ABS**

- (1) SJC100421

**Servo - ABS**

- (1) SJG100240

**Modulator - ABS**

- (1) SRB101552

**Wheel sensors - ABS;**

- front (2) STC1749
- rear (2) STC1750

**Bush - wheel sensors - ABS**

- (2) FTC1374

**Exciter ring - rear**

- (2) FTC1379

**ECU - ABS system**

- (1) SRD100490

**Handbrake**

*For Handbrake Component, see Transfer Gearbox section.*

**Pedal rubber - brake;**

- all except V8 efi (1) 61K738
- V8 efi (automatic) (1) ANR6476

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**Miscellaneous**

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**TO ORDER CALL 01522 568000**
### Steering Box

**Steering box:**
- **Manual steering**
  - RHD: (1) NTC8224
  - LHD: (1) NTC8223
- **Power steering**
  - Gemmer
    - RHD: (1) NTC1582
    - LHD: (1) NTC1583
  - Adwest heavyweight
    - RHD: (1) STC1137
    - LHD: (1) STC1138
  - Adwest lightweight
    - RHD: (1) STC8384
    - LHD: (1) STC8383
- **Bolt - steering box to chassis** (4) BX112201
- **Balljoint - drop arm - all models** (1) RGB000010

### Power Steering Pump

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power steering pump:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.25 &amp; 2.5 petrol</td>
<td>(1)</td>
<td>ETC9077</td>
</tr>
<tr>
<td>2.5 NA &amp; 2.5 TD diesel</td>
<td>(1)</td>
<td>ETC9077</td>
</tr>
<tr>
<td>up to eng.no.11L22454</td>
<td>(1)</td>
<td>NTC8287</td>
</tr>
<tr>
<td>200TDi</td>
<td>(1)</td>
<td>NTB9070</td>
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<tr>
<td>up to eng.no.11L22455</td>
<td>(1)</td>
<td>NTC9070</td>
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<tr>
<td>300TDi</td>
<td>(1)</td>
<td>ANR2157</td>
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<tr>
<td>To5</td>
<td>(1)</td>
<td>QVB101350</td>
</tr>
<tr>
<td>V8</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Drive belt - power steering:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note: please check your vehicle before ordering.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 cyl petrol engines with idler pulley</td>
<td>(1)</td>
<td>ETC4272</td>
</tr>
<tr>
<td>with adjustable pump</td>
<td>(1)</td>
<td>ETC5815</td>
</tr>
<tr>
<td>2.5 NA diesel engine with idler pulley</td>
<td>(1)</td>
<td>ERC5146</td>
</tr>
<tr>
<td>2.5 TD &amp; 200TDi engines with adjustable pump</td>
<td>(1)</td>
<td>ERC5146</td>
</tr>
<tr>
<td>200TDi - see Ancillary Drive Belt.</td>
<td>(1)</td>
<td>ERC5146</td>
</tr>
<tr>
<td>V8 - all carb models</td>
<td>(1)</td>
<td>ERC5146</td>
</tr>
<tr>
<td><strong>Reservoir - pas fluid:</strong></td>
<td></td>
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<tr>
<td>Metal reservoir</td>
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<td>QFX000030</td>
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<td>Plastic reservoir</td>
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<tr>
<td>Filter - metal pas reservoir</td>
<td>(1)</td>
<td>RTG3058</td>
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</table>

### Drag Link

**Eye end - drag link:**
- up to VIN LA (1994)
  - RHD: (1) NRC8231
  - LHD: (1) NRC8232
- VIN MA (1995) on
  - RHD: (1) ANR2858
  - LHD: (1) ANR2859

**Tube only - drag link:**
- up to VIN JA917433 (1992)
  - VIN JA917434 to VIN LA
    - RHD: (1) NRC9741
    - LHD: (1) ANR2860
- Balljoint - drag link
  - Right hand thread: (1) RTC5869
  - Clamp - balljoint
  - Drop arm nut - castellated (1) NCI12041

### Steering Damper

**Steering damper:**
- standard uprated (Bilstein)
  - (1) RTC4472
  - (1) RTC4472UR

**Bush - steering damper:**
- Standard polyurethane end bush
  - (1) NTC1775
  - (1) NTC1775PY
  - (2) 568858
  - (2) 568858PY

---

**TO ORDER CALL 01522 568000**

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) LL1119P
    - VIN WA138479: (1) LL1120P
    - VIN WA138480 on: (1) LL1119P
  - with black spokes
    - up to VIN HA (1991): (1) LL1119B
    - VIN 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 WA138479: (1) LL1122P
    - VIN WA138480 on: (1) LL1121P
  - with black spokes
    - up to VIN HA (1991): (1) LL1121B
    - VIN WA138479: (1) LL1122B
    - VIN WA138480 on: (1) LL1121B

Steering column - upper;

- VIN JA (1992) on
  - all except Station Wagon: (1) NTC9068
  - Station Wagon
    - up to VIN WA138479: (1) NTC9068
    - VIN WA138480 on: (1) QMB101620

## Ignition Lock

Ignition lock - steering column;
Including ignition switch.

- **Petrol vehicles**
  - 2.5 NA & TD: (1) QRF100880
  - 2.5 TD: (1) NRC3908
  - Tdi & Td5: (1) QRF100880

- **Ignition switch only**
  - petrol vehicles
    - up to VIN AA15402: (1) 158459
    - VIN AA15403 on: (1) PRG8230

- **Shear bolt - ignition lock**
  - 2.5 NA & 2.5 TD: (1) PRG2735
  - Tdi & Td5: (1) PRG8230

---

To order call 01522 568000
### Engine Electrics - Major Components

**Alternator;**
- 2.25 petrol engine
  - non air conditioning
  - A115, 45 amp (1) RTC5083E
  - machine sensed
  - RTC5090E
  - air conditioning
  - A127, 45 amp (1) RTC5218E
  - A127, 65 amp (1) RTC5682E
- 2.5 petrol & 2.5 NA diesel engine
  - non air conditioning
  - A115, 45 amp (1) RTC5083E
  - A127, 45 amp (1) RTC5682E
  - A127, 65 amp (1) RTC5218E
  - 2.5 TD & 200TDi diesel engines
  - non air conditioning
  - A127, 45 amp (1) RTC5082E
  - A127, 65 amp (1) RTC5224E
- 300TDi (A127, 65amp)(1) AMR4249

**V8**
- carb engines
  - A127, 65amp (high output)
  - - rh mount (1) RTC5680E
  - - lh mount (1) RTC5661E
  - battery sensed (1) RTC50686E
  - A115, 45amp.
  - Up to eng.no: 14601446, 15602240 & 17606682.
  - Ignition sensed (1) RTC50805E
  - A115, 45amp.
  - A127, 45amp (1) RTC5683E
  - A123, 65amp (1) RTC5067E
  - efi engine (1) AMR4247

**Drivebelt - alternator;**
- 2.25 petrol engines (1) 563132
- 2.5 petrol engine
  - non air con (1) 563132
  - ERC8938
  - 2.5 TD ai engine (1) ETC7939
  - 2.5 TD diesel engine (1) ETC7939
  - Air con & non air con. (1) ETC7939
  - 200TDi (1) ETC7939

**300TDi - serpentine ancillary belt**
- to eng.no. 16L25165 on (1) ERR287
- Td5 - serpentine ancillary belt (1) PS101490
- non air con conditioning (1) PS101500

**V8**
- carb engines
  - non air con (1) ETC7394
  - air con (1) 614670
  - efi engines
  - Serpentine belt (1) ERR5579

**Tensioner - serpentine belt;**
- 300TDi (1) ERR4708
- Td5 (1) ERR6951
- V8 (1) ERR3440

### Ignition System - Petrol

**Distributor - 4 cylinder engines;**
- See below for V8 Distributor.
  - 2.25
  - (1) ERC8520
  - 2.5
  - (1) ETC5835

**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 (fitted with Stromberg carburettors) have points-type distributors. Stromberg-equipped engines (those fitted with Stromberg carburettors) have points-type distributors. Engines whose serial number begins 14G, 200 and 210 & 225 are fitted with electronic ignition distributors, as are all engines fitted with 50 carburettors, although these engines use a different distributor to the Stromberg engines.
  - If you require a specific distributor, please contact your Land Rover dealer. 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) ERC5745
- 15G engines (1) ETC4536
- 17G engines (1) ERC7131
- Electronic ignition type (1) ETC5090
- 196 engines (1) ETC4717
- 206 engines (1) ETC5354
- 21G engines (1) ETC4715
- Mallory distributor dual point (1) RB7459
- Electronic (1) RB7459E

**Distributor cap;**
- 2.25 petrol engine Lucas (1) RTC3278
- 2.5 petrol engine Lucas (1) RTC4932
- V8 Lucas distributors (1) GDC117P
- Mallory distributors (1) RB7469

### Spark Plugs & Plug Leads

**Spark plug;**
- 2.25 petrol engine
  - 8:1 compression ratio (4) RTC3570
  - 7:1 compression ratio (4) RTC3571
  - 2.5 petrol engine (4) ER743

**V8**
- 3.5 litre low compression standard (8) GSP4382
- Performance (double core) (8) GSP4382HP
- 3.9 litre
  - High compression & non catalyst (8) GSP4382
  - Low compression & catalyst (8) GSP4382

**Spark plug spanner;**
- Plug lead set; (1) GAT140
- 4 cyl petrol engines (1) ERC3256

**V8**
- all models except V8 efi original (1) RTC6551
- Performance (silicone) (1) GH182S
- V8 std (1) RA1340
- Performance (silicone) (1) RA1340S

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**Roter arm;**
- 2.25 petrol engine Lucas (1) RTC3614
- Ducellier (1) RTC4933
- 2.5 petrol engine (1) RTC3614
- V8 Lucas distributors (1) RTC3618
- Points ignition (1) GRA117P
- Mallory distributors (1) RB7472

**Contact breaker set (points);**
- 2.25 petrol engine Lucas (1) RTC6627
- Ducellier (1) RTC4935
- 2.5 petrol engine (1) RTC6627
- V8 Lucas (1) RTC3472
- Mallory (1) RB7471

**Condenser;**
- 2.25 petrol engine Lucas (1) RTC6621
- Ducellier (1) RTC4935
- 2.5 petrol engine (1) RTC6621
- V8 Lucas (1) RTC3472
- Mallory (1) RB7471

**Ignition coil;**
- 4 cyl petrol engines (1) PRC9858
- V8 conventional coil (1) RTC5628
- Bosch (1) PRC6674
- Note: Lucas & Bosch coils are interchangeable.
- coil pack - V8 efi (1) ERC6269

**Distributor-less engines.**
Wipers & Washers

Wiper motor:
- Description: Wiper motor; windscreen
- QTY REQ: up to VIN 1A622423 (2001) (1)
- PART No: 517621
- VIN 2A622424 on (1) DLB000200
- VIN 2A622424 on rear door up to VIN JA910753 (1992) (1) STC3854
- VIN JA910754 to MA965105 (1) AMR1054
- VIN MA965106 (1995) on all except 50th Anniversary (1) AMR3876
- 50th Anniversary model (1) AMR6108

Brush - wiper motor:
- Description: Brush - wiper motor; windscreen
- QTY REQ: up to VIN 1A622423 (2001) (1)
- PART No: 517644
- VIN 2A622424 on (1) DLZ000010

Crank assembly - wiper motor:
- Description: Crank assembly - wiper motor; up to VIN 1A622423 (2001) (1)
- PART No: 517622
- VIN 2A622424 on (1) DLW000020

Park switch - wiper motor:
- Description: Park switch - wiper motor; Windscreen wiper motor up to VIN 1A622423 (2001)
- PART No: 520160

Wheelbox - wiper motor:
- Description: Wheelbox - windscreen wiper; to VIN YA999999
- QTY REQ: (2)
- PART No: PRC8495
- VIN 2A622424 on (2) DKU000010

Wiper arm:
- Description: Wiper arm; windscreen
- QTY REQ: up to VIN 1A622423 (2001) (RHD) (2)
- PART No: PRC4276
- (LHD) (1) PRC4277
- VIN 2A622424 on (RHD) (2) DKB000060PMD
- (LHD) (2) DKB000050PMD

Brush - windscreen:
- Description: Brush - windscreen; up to VIN 1A622423 (2001) (1)
- PART No: RTC202A
- VIN 2A622424 on (1) DLE000010

Wiper blade:
- Description: Wiper blade; windscreen
- QTY REQ: to VIN FA452017 (1989) (1)
- PART No: DKK000110PMD
- VIN FA452018 on (1) PRC8558

Washer pump:
- Description: Washer pump; windscreen
- QTY REQ: non-air-con up to VIN WA159806 (1)
- PART No: STC1453
- VIN XA159807 on (1) DMC100550
- with air-con up to VIN AA270226 (2)
- PART No: GLU133
- VIN XA270226 to WA159806 (1) GW41194
- 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)
- PART No: STC1453
- VIN XA159807 on (1) DMC100550
- with air-con up to VIN WA159806 (1)
- PART No: GLU133
- VIN XA159807 on (1) DMC100550
- headlamps (power wash) (1)
- PART No: GW41197

Wiper motor & Components

Grommet - pump to bottle:
- Description: Grommet - pump to bottle;
- QTY REQ: for STC1453 (1)
- PART No: RTC3959
- for DMC100550 (1)
- PART No: RTC5827
- for GWW1194 (1)
- PART No: RTC6856

Washer jet:
- Description: Washer jet;
- QTY REQ: up to VIN AA270226 (2) (2)
- PART No: PRC2437
- Single nozzle jet.
- VIN AA270226 on (2)
- PART No: AMR3025
- Twin nozzle jet.
- VIN AA270227 on (2)
- PART No: AMR3026
- Headlamps (power wash) (1)
- PART No: PRC2291

Headlamps

Headlamp assembly:
- Description: Headlamp assembly; includes light unit, body gasket, bezel & screws.
- QTY REQ: up to VIN KA922614 (1993)
- PART No: RHD (2) AEU1355
- LHD (2) 2TH207L
- Sealed beam type
- RHD (2) BAU2144
- LHD (2) AEU1742

Light unit only - headlamp:
- Description: Light unit only - headlamp; up to VIN KA922614 (1993)
- PART No: RHD (2) RTC3682
- LHD (2) GLU133
- Sealed beam type
- RHD (2) RTC4061
- LHD (2) PRC7994

Headlamp assembly includes light unit, body gasket, bezel & screws:
- Description: Headlamp assembly includes light unit, body gasket, bezel & screws.
- QTY REQ: up to VIN KA922614 (1993)
- PART No: RHD (2) STC049
- LHD (2) GLU133
- Sealed beam type
- RHD (2) STC1209
- LHD (2) STC1210

Body - headlamp:
- Description: Body - headlamp; up to VIN KA922614 (1993)
- PART No: RHD (2) STC663
- LHD (2) STC1613

Gasket - headlamp:
- Description: Gasket - headlamp; up to VIN KA922614 (1993)
- PART No: RHD (2) 531586
- LHD (2) STC1612

Bezel - headlamp:
- Description: Bezel - headlamp; up to VIN KA922614 (1993)
- PART No: RHD (2) 515218A
- LHD (2) Chrome
- VIN KA922615 on (2)
- PART No: STC3018

Bulb - headlamp:
- Description: Bulb - headlamp; H4 60/65 watt mainsip.
- QTY REQ: clear - quartz halogen (2)
- PART No: 589783
- Xenon (pair) (2)
- PART No: 589783X

Adjuster kit - headlamp:
- Description: Adjuster kit - headlamp; up to VIN KA922614 (1993)
- PART No: RHD (2) BHM7058
- LHD (2) STC1614

Defender 60 on 7/1/05 2:22 pm Page 6
**SIDE LAMPS**

**INDICATOR & LENS**

**SIDE LAMPS & INDICATORS - FRONT**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side lamp assembly; up to VIN MA940004 (1995)</td>
<td>(2)</td>
<td>RTC5012</td>
</tr>
<tr>
<td>VIN MA940005 on</td>
<td>(2)</td>
<td>STC1227</td>
</tr>
<tr>
<td>Lens - side lamp</td>
<td></td>
<td>S88264</td>
</tr>
<tr>
<td>Up to VIN MA940004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulb holder - side lamp VIN MA940005 on</td>
<td>(2)</td>
<td>XBP100180</td>
</tr>
<tr>
<td>Bulb - side lamp</td>
<td>(2)</td>
<td>10211</td>
</tr>
<tr>
<td>Indicator assembly; up to VIN MA940004 (1995)</td>
<td>(2)</td>
<td>RTC5013</td>
</tr>
<tr>
<td>VIN MA940005 on</td>
<td>(2)</td>
<td>AMR6513</td>
</tr>
<tr>
<td>Lens - indicator</td>
<td>(2)</td>
<td>S16301</td>
</tr>
<tr>
<td>Up to VIN MA940004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulb holder - side lamp VIN MA940005 on</td>
<td>(2)</td>
<td>XBP100180</td>
</tr>
<tr>
<td>Bulb - side lamp</td>
<td>(2)</td>
<td>264591</td>
</tr>
</tbody>
</table>

| Side repeater assembly; up to VIN 331793 | (2) | 589143 |
| VIN 331794 up to LA9399975 | | PRC7263 |
| VIN MA9399976 to WA159806 | (2) | AMR6521 |
| 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 | | AFU4481 |
| Bulb holder - side repeater VIN MA (1995) on. | (2) | YPY100220 |

**Driving Lamps - Front**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driving Lamp; Rally 1000</td>
<td>(a/r)</td>
<td>STC7644</td>
</tr>
<tr>
<td>As fitted to Tomb Raider vehicles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safari 5000</td>
<td>(2)</td>
<td>STC8480</td>
</tr>
<tr>
<td>Genuine 3&quot; circular lamps with removable stone guard.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplied individually.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wipac 'Off Road' - pair</td>
<td>(1)</td>
<td>RX1512</td>
</tr>
<tr>
<td>9&quot; circular driving lamps supplied as a pair complete with chunky plastic grille.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steady bar - safari 5000</td>
<td>(2)</td>
<td>STC8814</td>
</tr>
<tr>
<td>Wiring kit - Safari 5000</td>
<td>(1)</td>
<td>STC8613AA</td>
</tr>
</tbody>
</table>

**Number Plate Lamp**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number plate lamp</td>
<td>(2)</td>
<td>XFC100550</td>
</tr>
<tr>
<td>Lens only - number plate lamp</td>
<td>use</td>
<td>606211</td>
</tr>
<tr>
<td>Plinth - number plate lamp; up to VIN LA9399975 - all models</td>
<td></td>
<td>PRC3588</td>
</tr>
<tr>
<td>VIN MA939976 on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>all models except HICAP</td>
<td>(1)</td>
<td>345597</td>
</tr>
<tr>
<td>HICAP only</td>
<td>(1)</td>
<td>PRC3588</td>
</tr>
<tr>
<td>Bulb - number plate lamp</td>
<td>(1)</td>
<td>575312</td>
</tr>
</tbody>
</table>

**Rear Lamps**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop/tail lamp; up to VIN LA9399975 (1994)</td>
<td>(2)</td>
<td>RTC5523</td>
</tr>
<tr>
<td>VIN MA939976 (1995) on</td>
<td></td>
<td>XFD100100</td>
</tr>
<tr>
<td>Indicator assembly - rear; up to VIN LA9399975 (1994)</td>
<td>(2)</td>
<td>RTC5524</td>
</tr>
<tr>
<td>VIN MA939976 (1995) on</td>
<td></td>
<td>AMR6515</td>
</tr>
<tr>
<td>Reversing lamp assembly; up to VIN 1A612403</td>
<td>(2)</td>
<td>PRC7263</td>
</tr>
<tr>
<td>VIN 1A612404 on</td>
<td>(1)</td>
<td>AMR6521</td>
</tr>
<tr>
<td>Circular reversing lamp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fog lamp assembly - rear; up to VIN 1A612403</td>
<td>(1)</td>
<td>PRC7254</td>
</tr>
<tr>
<td>VIN 1A612404 on</td>
<td>(1)</td>
<td>AMR6522</td>
</tr>
<tr>
<td>Circular rear fog lamp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lens - only; stop/tail lamp</td>
<td>(2)</td>
<td>RTC210</td>
</tr>
<tr>
<td>Up to VIN LA9399975 (1994) only.</td>
<td></td>
<td>516301</td>
</tr>
<tr>
<td>indicator - up to VIN LA</td>
<td>(2)</td>
<td>RTC4184</td>
</tr>
<tr>
<td>Up to VIN LA9399975 (1994) only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>reversing lamp</td>
<td>(1)</td>
<td>RTC4183</td>
</tr>
<tr>
<td>Up to VIN 1A612403.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All models with rectangular reversing lamp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>fog lamp</td>
<td>(1)</td>
<td>XBP100180</td>
</tr>
<tr>
<td>Circular reversing &amp; fog lamps.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulb - rear lamp - all models; stop/tail</td>
<td>(2)</td>
<td>264590</td>
</tr>
<tr>
<td>indicator</td>
<td>(2)</td>
<td>264591</td>
</tr>
<tr>
<td>reversing lamp</td>
<td>(1)</td>
<td>264591</td>
</tr>
<tr>
<td>Bulb holder - VIN 1A612404 on</td>
<td>(2)</td>
<td>XBP100180</td>
</tr>
</tbody>
</table>

**Number Plate Lamp**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior lamp assembly; up to VIN LA9399975 (1994)</td>
<td>(1)</td>
<td>STC251</td>
</tr>
<tr>
<td>VIN MA939976 (1995) on</td>
<td></td>
<td>AMR3155</td>
</tr>
<tr>
<td>Lens - interior lamp Up to VIN LA9399975 (1994) only</td>
<td>(1)</td>
<td>320608</td>
</tr>
<tr>
<td>Bulb - interior lamp; up to VIN LA9399975 (1994)</td>
<td>(1)</td>
<td>264591</td>
</tr>
<tr>
<td>VIN MA939976 (1995) on</td>
<td>(a/r)</td>
<td>S66438</td>
</tr>
<tr>
<td>Switch - courtesy light; side doors</td>
<td>up to VIN HA702829</td>
<td>(2)</td>
</tr>
<tr>
<td>VIN HA702830 on</td>
<td>(2)</td>
<td>AFU4241L</td>
</tr>
<tr>
<td>rear door</td>
<td>(1)</td>
<td>AAU1906A</td>
</tr>
</tbody>
</table>

**Interior Lamps**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ.</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior lamp assembly; up to VIN LA9399975 (1994)</td>
<td>(1)</td>
<td>STC251</td>
</tr>
<tr>
<td>VIN MA939976 (1995) on</td>
<td></td>
<td>AMR3155</td>
</tr>
<tr>
<td>Lens - interior lamp Up to VIN LA9399975 (1994) only</td>
<td>(1)</td>
<td>320608</td>
</tr>
<tr>
<td>Bulb - interior lamp; up to VIN LA9399975 (1994)</td>
<td>(1)</td>
<td>264591</td>
</tr>
<tr>
<td>VIN MA939976 (1995) on</td>
<td>(a/r)</td>
<td>S66438</td>
</tr>
<tr>
<td>Switch - courtesy light; side doors</td>
<td>up to VIN HA702829</td>
<td>(2)</td>
</tr>
<tr>
<td>VIN HA702830 on</td>
<td>(2)</td>
<td>AFU4241L</td>
</tr>
<tr>
<td>rear door</td>
<td>(1)</td>
<td>AAU1906A</td>
</tr>
</tbody>
</table>

**To Order Call 01522 568000**
### Switches & Controls

#### IGNITION SWITCH

**Ignition switch:**
- **Petrol vehicles**
  - up to VIN FA415402 (1)
  - VIN FA415403 on (1)
- **Diesel vehicles**
  - 2.5 NA & 2.5TD (1)
  - Tdi & Td5 (1)

#### Shear bolt - ignition lock
- (2) 51K4001

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### STEERING COLUMN STALKS

- **Wash/wipe stalk:**
  - up to VIN GA455945 (1990) (1)
  - VIN HA455946 to VA104805 (1)
  - VIN VA104806 on (1)
- **Indicator, horn & dip stalk:**
  - up to VIN GA455945 (1990) (1)
  - VIN HA455946 to VA104805 (1)
  - VIN VA104806 on (1)
- **Master light switch:**
  - up to VIN VA104805 (1)
  - VIN VA104806 on (1)
- **Rear fog lamp switch:**
  - (1)
  - Steering column-mounted up to VIN MA949743.
  - For dash-mounted fog lamp switches, see below.
- **Auxiliary lamp switch -**
  - **Tomb Raider** (1)
  - **Cigar Lighter & Clock**
    - **Cigar lighter:**
      - up to VIN JA913077 (1992) (1)
      - VIN JA913078 to WA138479 (1)
      - VIN WA138480 on (1)
    - **Bulb - cigar lighter:**
      - (1)
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### Electrical

#### Instruments

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<tr>
<th>Speedometer;</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>REQ.</th>
<th>PART No.</th>
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<tr>
<td>MPH - except 50th Anniversary</td>
<td>PRC7373</td>
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<tr>
<td>KPH - except 50th Anniversary</td>
<td>PRC7374</td>
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<th>Speedo' cable;</th>
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<tbody>
<tr>
<td>2-piece cable</td>
<td>PRC5567</td>
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<tr>
<td>4 cylinder engines - to VIN 268134</td>
<td>PRC5566</td>
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<td>upper cable</td>
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<td>lower cable</td>
<td>PRC5663</td>
<td>(1)</td>
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<td>V8 - to VIN268016</td>
<td>PRC5566</td>
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<td>upper cable - RHD &amp; LHD</td>
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<tr>
<td>lower cable</td>
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<tr>
<td>- RHD</td>
<td>PRC6022</td>
<td>(1)</td>
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<tr>
<td>- LHD</td>
<td>PRC6021</td>
<td>(1)</td>
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#### Bulb - speedo

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>REQ.</th>
<th>PART No.</th>
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<tbody>
<tr>
<td>Gauges; temperature</td>
<td>(a/r)</td>
<td>AMR3339</td>
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<tr>
<td>up to VIN WA159806 (1996)</td>
<td>(1)</td>
<td>AMR2631</td>
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<tr>
<td>VIN XA159807 (1999) on</td>
<td>(1)</td>
<td>YAD100900</td>
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<tr>
<td>fuel</td>
<td>(1)</td>
<td>PRC7313</td>
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<tr>
<td>up to VIN WA159806 (1996)</td>
<td>(1)</td>
<td>YAD100910</td>
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<td>VIN XA159807 (1999) on</td>
<td>(1)</td>
<td>PRC7315</td>
<td></td>
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<tr>
<td>ammeter</td>
<td>(1)</td>
<td>PRC4370</td>
<td></td>
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<tr>
<td>Clock; rectangular</td>
<td></td>
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<tr>
<td>Up to VIN LAR00689 (1994). round</td>
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<tr>
<td>up to VIN WA159806 (1996)</td>
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<tr>
<td>VIN XA159807 (1999) on</td>
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#### Speedo cable

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>REQ.</th>
<th>PART No.</th>
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<tbody>
<tr>
<td>1-piece cable</td>
<td>PRC6023</td>
<td>(1)</td>
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<tr>
<td>4 cylinder engines</td>
<td>PRC6021</td>
<td>(1)</td>
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</tr>
<tr>
<td>RHD</td>
<td>PRC6023</td>
<td>(1)</td>
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<tr>
<td>LHD</td>
<td>PRC6021</td>
<td>(1)</td>
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#### Radio Aerial

<table>
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<th>DESCRIPTION</th>
<th>QTY</th>
<th>REQ.</th>
<th>PART No.</th>
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</thead>
<tbody>
<tr>
<td>Aerial - manually retractable; up to WA138479 (1998)</td>
<td>(1)</td>
<td>AMR3418</td>
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<tr>
<td>VIN WA138480 on</td>
<td>(1)</td>
<td>PRC4336</td>
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### Battery & Fittings

Please note, batteries are not available mail order - counter collection only.

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<tr>
<th>Battery</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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<tbody>
<tr>
<td>90 petrol</td>
<td>STC8268</td>
<td>(1)</td>
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<tr>
<td>standard (split charge)</td>
<td>STC8267</td>
<td>(1)</td>
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<tr>
<td>heavy duty</td>
<td>STC8271</td>
<td>(1)</td>
<td></td>
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<tr>
<td>diesel (except Td5)</td>
<td>STC8268</td>
<td>(1)</td>
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<tr>
<td>standard</td>
<td>STC8271</td>
<td>(1)</td>
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<tr>
<td>heavy duty (dry)</td>
<td>STC8271</td>
<td>(1)</td>
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<td>110 petrol</td>
<td>STC8268</td>
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<td>diesel (except Td5)</td>
<td>STC8267</td>
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<td>standard (split charge)</td>
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<td>heavy duty (dry)</td>
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<tr>
<td>Td5 (all models)</td>
<td>YGD100860</td>
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<td>Alarm remote battery</td>
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<td>YWK10003L</td>
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### Fuses

#### Fuses - glass type (pack of 5):

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<th>DESCRIPTION</th>
<th>QTY</th>
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<tbody>
<tr>
<td>5 AMP</td>
<td>GFS3005</td>
<td>(a/r)</td>
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<td>10 AMP</td>
<td>GFS3010</td>
<td>(a/r)</td>
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<td>15 AMP</td>
<td>GFS3015</td>
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<td>20 AMP</td>
<td>GFS3020</td>
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<td>25 AMP</td>
<td>GFS3025</td>
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<td>35 AMP</td>
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<tr>
<td>50 AMP</td>
<td>GFS3050</td>
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#### Fuses - plastic blade type (pack of 5):

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<th>QTY</th>
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<th>PART No.</th>
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<tbody>
<tr>
<td>3 amp</td>
<td>GFS3103</td>
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<td>5 amp</td>
<td>GFS3105</td>
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<td>7.5 amp</td>
<td>GFS3107</td>
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<td>10 amp</td>
<td>GFS3110</td>
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<td>15 amp</td>
<td>GFS3115</td>
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<tr>
<td>20 amp</td>
<td>GFS3120</td>
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<td>25 amp</td>
<td>GFS3125</td>
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<tr>
<td>30 amp</td>
<td>GFS3130</td>
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<tr>
<td>Fuse extractor - blade type</td>
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<td>PRC4412</td>
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### Chassis Repair Sections

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<th>QTY Req.</th>
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<td>Spring seat;</td>
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<td>rh</td>
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<td>lh</td>
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<tr>
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<td>110 &amp; 130</td>
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<td>up to VIN WA159806</td>
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<td>90</td>
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<td>110/130</td>
<td>(1)</td>
<td>STC8651</td>
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<td>VIN WA159807 on - all models</td>
<td>(1)</td>
<td>KVT000020</td>
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</tbody>
</table>

### 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/no air con.

| Seal - bulkhead;                    |          |          | Seal - bulkhead;                    |          |          |
| dash drain channel                  | (1)      | MWC2567  | vent panel                         | (2)      | MUC4299  |

### Bonnet Assembly

- **Bonnet**:
  - up to VIN LA939975 (1994) (1) RTC6213
  - VIN MA939976 (1995) to VIN WA159806 (1) ALR5835
  - with spare wheel carrier (1) ALR6107
  - VIN WA159807 on (1) VTK000020
  - all models except TD5 (1) ALR1256
    - Td5 only (1) BKA710080
    - Hinge - bonnet (2) AHU710010
    - Bush - bonnet hinge (2) 346849
  - All models.
  - Seal bonnet rear (1) MWC2567
    - up to VIN TA877536 (1) ASR11457
    - VIN TA877537 on (1) ALR9556
    - V8 efi (1) ALR9556

### Front Grille Mounting Panel

See **Body Fittings** (next section) for Front Grille.

- Mounting panel - front grille; non air con vehicles
  - external-opening bonnet (1) MTC1810
  - radiator-mounted oil cooler (1) MTC4837
  - cable-opening bonnet up to VIN HA939975 (1) MWC2926
    - VIN JA939976 (’92) on, except TD5 (1) ASJ710050
    - Td5 only (1) ASJ710040
    - All vehicles with air con (1) ASR710010
      - on except V8 efi (1) ASR7172
      - V8 efi only (1) ALR6678
    - vehicles with air con (1) ALR6678
      - Td5 only (1) ALR6121
      - without air con (1) ALR6677
        - with air con (1) ALR6112
- VIN MA939976 (1995) to VIN WA159806 (1) ALR5990
  - all petrol models except V8 efi (1) ALR5990
  - V8 efi (1) ALR5989
  - 2.5 NA diesel (1) ALR6677
  - 2.5 TD (1) ALR6678

### 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) (1) MXC9334
    - lh (1) MXC9342
  - VIN MA (1995) to VIN WA159806 (1) ALR5983
    - All models except V8 efi - see below for V8 efi.
      - rh (1) ALR9536
      - lh (1) ALR9535
  - VIN WA159807 on (1) VTK000020
    - All models except V8 efi - see below for V8 efi.
      - rh (1) ASB710080
      - lh (1) ASB710100
      - V8 efi (1) ASB710101
  - Side panel - front wing:
    - up to VIN LA (1994) (1) ALR6678
      - rh (1) ALR6678
      - lh (1) ALR6678
    - 2.5 NA diesel (1) ALR6678
    - 2.5 TD (1) ALR6678
  - VIN MA (1995) to VIN WA159806 (1) ALR6678
    - all petrol models except V8 efi (1) ALR6678
    - V8 efi (1) ALR6678
    - 2.5 NA diesel (1) ALR6678
    - 2.5 TD (1) ALR6678
  - VIN WA159807 on (1) ASB710280
    - all petrol models (1) ASB710280
    - all diesel models (1) ASB710280

### Headlamp Panel - Outer - Front Wing

- up to VIN LA939975 (1994) (1) RTG6353
  - rh (1) RTG6353
  - lh (1) RTG6353
- VIN MA939976 (1995) to VIN WA159806 (1) ALR5989
  - rh (1) ALR5989
  - lh (1) ALR5989
- VIN WA159807 on (1) ASW710140
  - lh (1) ASW710140

### Headlamp Panel - Inner - Front Wing

- up to VIN LA939975 (1994) (1) MTC2062
  - rh (1) MTC2062
  - lh (1) MTC2062
- VIN MA939976 (1995) to VIN WA159806 (1) ALR5324
  - rh (1) ALR5324
  - lh (1) ALR5324
- VIN WA159807 on (1) ASW710130
  - rh (1) ASW710130
  - lh (1) ASW710130

---

**TO ORDER CALL 01522 568000**
**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.
  - rt (1)
  - lt (1)
  - VIN AA270227 on
    - Push-button door handles.
  - rt (1)
  - lt (1)

Door shell - rear;
- rt (1)
- lt (1)

**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
    - rt (1)
    - lt (1)
  - VIN AA242000 to EA358392
    - rt (1)
    - lt (1)
  - VIN FA358393 to KA929577
    - rt (1)
    - lt (1)
  - VIN KA929578 on
    - rt (1)
    - lt (1)
- without spare wheel carrier
  - up to VIN AA241999
    - rt (1)
    - lt (1)
  - VIN AA242000 to KA929577
    - rt (1)
    - lt (1)
  - VIN KA929578 on
    - rt (1)
    - lt (1)

**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
    - rt (1)
    - lt (1)
  - 90 SV & V8 efi models
    - rt (1)
    - lt (1)
- rear
  - 90
    - rt (1)
    - lt (1)
  - 110 - Station Wagon
    - rt (1)
    - lt (1)
  - 110 - regular models (without rear doors)
    - rt (1)
    - lt (1)

**Floor Panels**

Floor panel - main;
- 4 cylinder petrol engines
  - rt (1)
  - lt (1)
- 2.5 NA diesel
  - rt (1)
  - lt (1)
- 2.5 TD
  - rt (1)
  - lt (1)
- Tdi & Td5
  - rt (1)
  - lt (1)
- V8 engines
  - with LT85 gearbox
  - rt (1)
  - lt (1)
  - with LT77 gearbox
  - rt (1)
  - lt (1)

Floor panel fixings:
- screw - M6 x 20 pan head
  - bolt - pan head (a/r)
  - screw - self tapping
  - Lokut nut - floor fixing
  - Nylon insert for self-tapping screws.
  - Spiralok nut (a/r)

**Bodywork**
## Radiator Grille

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiator grille</td>
<td>(1)</td>
<td>ALR8765PUC</td>
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</table>

Supplied in black.

---

## Bumpers

**See also ‘Accessories’.**

**Front bumper - standard:**

- up to VIN EA314291 (1987) (1) NRC9211 Galvanized silver.
- VIN EA314292 on Black finished.

**Winch bumper:**

Front bumper incorporating winch frame. Suitable for the following winches: Warn 6000 & 8000 M & MX series, Warn XD9000, Superwinch XD CD & XD, T-Max (see Winches section). Incorporates jacking points. Available in black nylon or galvanized finish.

<table>
<thead>
<tr>
<th>Description</th>
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<th>Part No.</th>
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<tbody>
<tr>
<td>Bumpers</td>
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<tr>
<td>Bumperette;</td>
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<td>RTC4769</td>
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<tr>
<td>Rear</td>
<td></td>
<td></td>
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<tr>
<td>RH</td>
<td>(1)</td>
<td>RRC2970</td>
</tr>
<tr>
<td>LH</td>
<td>(1)</td>
<td>RRC2971</td>
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<tr>
<td>Towing ring - front</td>
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<td>S58882</td>
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<tr>
<td>Recovery ring - rear</td>
<td>(1)</td>
<td>NRC5396</td>
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<td>Spacer - recovery ring</td>
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<td>S562756</td>
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<tr>
<td>Nut - recovery ring</td>
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## Windscreen

**Windscreen:** Windscreens are available for collection only:

- non-heated:
  - CLEAR (1) MTC2864
  - TINTED (1) MTC3452
- HEATED:
  - CLEAR (1) CMB000420
  - TINTED (1) CMB000410

**Seal - windscreen:**

- Windscreen surround frame base (1) MUC3733
- Frame top to roof (inner) (1) MTC4994
- Frame top to roof (outer) (1) MTC6568

**Side window assembly - sliding - individual:** Complete assembly including frame, seals, glass and fittings. Original equipment.

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Station Wagon</td>
<td></td>
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</tr>
<tr>
<td>RH</td>
<td>(1)</td>
<td>MWC4734</td>
</tr>
<tr>
<td>LH</td>
<td>(1)</td>
<td>MWC4735</td>
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<tr>
<td>Station Wagon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RH</td>
<td>(1)</td>
<td>MWC4739</td>
</tr>
<tr>
<td>LH</td>
<td>(1)</td>
<td>MWC4740</td>
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</table>

**Pair of sliding windows:**

- 90 (1) LL1136
- 110 (1) LL1137

**Glass only - sliding side windows:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
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<tr>
<td>RH</td>
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<tr>
<td>LH</td>
<td>(1)</td>
<td>MWC3792</td>
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<tr>
<td>Station Wagon</td>
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<td></td>
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<tr>
<td>RH</td>
<td>(1)</td>
<td>MWC4722</td>
</tr>
<tr>
<td>LH</td>
<td>(1)</td>
<td>MWC4723</td>
</tr>
</tbody>
</table>

**Seal - rear window:**

- 5mm glass (2) 306287
- 4mm glass (2) 306289

**Filler strip - seal:**

- 5mm glass (2) 306278
- 4mm glass (2) 306279

---

## Alpine Windows

**Alpine (roof-side) window:**

- up to VIN EA344187 (1987) (2) MVC3474
- 5mm thick glass.
- VIN EA344188 on (2) MVC2714
- 4mm thick glass.

**Seal - alpine windows:**

- 5mm glass (2) 302177
- 4mm glass (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) MVC2720
- TINTED (green) (2) MVC2721

**Vin LA932529 to YA999999**

- CLEAR (2) MVC2722
- TINTED (green) (2) MVC2723
- CLEAR (2) MVC2724
- TINTED (green) (2) MVC2725

**Door glass - rear side - opening:**

- up to VIN EA344754 (1976) 5mm thick glass.
- CLEAR (2) MTC8628
- TINTED (green) (2) MTC8629
- VIN EA344755 to VIN LA932486 (1994)
- CLEAR (2) MVC2726
- TINTED (green) (2) MVC2727
- VIN LA932487 on

**Door glass - rear quarter:**

- up to VIN EA344754 (1976) 5mm thick glass.
- CLEAR (2) MVC8460
- TINTED (green) (2) MVC8461
- VIN EA344755 on

**Door glass - rear:**

- up to VIN EA344754 (1976) 5mm thick glass.
- CLEAR (2) MVC8462
- TINTED (green) (2) MVC8463

**Door glass - rear - opening:**

- up to VIN EA344754 (1976) 5mm thick glass.
- CLEAR (2) MVC8464
- TINTED (green) (2) MVC8465

---

**To order call 01522 568000**
### BODY FITTINGS & FINISHERS

#### WINDOW REGULATOR & HANDLE

**Window Regulators**

Window regulator - front;  
- up to VIN LA932528 (1994) - manual  
  - rh (1) MUC3024  
  - lh (1) MUC3025  
  - VIN LA932529 to YA999999 - manual  
  - rh (1) ALR4533  
  - lh (1) ALR4532  
- VIN ZA622424 on  
  - manual  
  - rh (1) CUH000100  
  - lh (1) CUH000110  
  - electric  
  - rh (1) CUH000080  
  - lh (1) CUH000090  
- rear  
  - up to VIN LA932486 (1994)  
  - rh (1) MUC3026  
  - lh (1) MUC3027  
  - VIN LA932487 on  
  - rh (1) ALR4535  
  - lh (1) ALR4534  

**Handle - window regulator;**  
- front  
  - up to VIN LA932528 (1994)  
  - rh (1) RTC3939PA  
  - lh (1) RTC3939PA  
  - VIN ZA622424 on  
  - rh (1) DBP6287PMA  
  - lh (1) DBP6287PMA  
- rear - all models  
  - rh (1) DBP6287PMA  
  - lh (1) DBP6287PMA

#### Tailgate Glass

**Tailgate glass;**  
- unheated  
  - up to VIN E3444187 (1987)  
    - 5mm thick glass  
      - clear  
        - (1) MTC3469  
      - tinted (green)  
        - use MTC8951  
      - VIN E3444189 on - clear  
        - 4mm thick glass  
          - (1) MWC4712  
    - heated & tinted  
      - up to VIN E3444187 (1987)  
        - (1) MTC8951  
      - VIN E3444189 on  
        - 4mm thick glass  
          - (1) MWC4713  
      - for high level stop-lamp  
        - VIN WA138480 on  
          - (1) CB1010560  
    - Glazing strip - tailgate glass  
      - (a/r) 78159

#### Sunroof Assembly

**Sunroof kit - glass**  
- (1) AWR2738  
  For parts to repair your existing factory-fitted sunroof, please contact our Sales Department, quoting your vehicle’s VIN number.

---

**TO ORDER CALL 01522 568000**
### Door Fittings

**Hinge assembly - door;**
- **front upper**
  - up to VIN VA138479
    - rh (1) MXC8284
    - lh (1) MXC8285
  - VIN WA138480 on
    - rh (1) BDB710160
    - lh (1) BDB710170
- **front lower**
  - up to VIN VA138479
    - rh (1) MXC8282
    - lh (1) MXC8283
  - VIN WA138480 on
    - rh (1) BDB710180
    - lh (1) BDB710190
- **rear door (side) - upper & lower**
  - up to VIN VA138479
    - rh (1) MXC8282
    - lh (1) MXC8283
  - VIN WA138480 on
    - rh (1) BDB710180
    - lh (1) BDB710190

**Bolt - door hinge;**
- side doors
  - hinge to pillar
    - cross-head - 5/16" UNF(a/r)
      - ASR1603
    - Torx drive - M8
      - BYG100150L
  - hinge to door
    - cross-head - 5/16" UNF(a/r)
      - ASR1603
    - Torx drive - M8
      - BYG100140L
  - tailgate
    - pan head
      - long (a/r) SE108501
      - short (a/r) SE108251
    - Torx-drive
      - long (a/r) BYG000070
      - short (a/r) BYG000060
  - Nut - hinge bolt;
    - 5/16" UNF M8 (a/r) NY108041L

### Door Check Straps

**Check strap - door;**
- front
  - up to VIN AA303555
    - rh (1) MUC1888
    - lh (1) MUC1889
  - VIN AA303556 on
    - rh (1) ALR2321
    - lh (1) ALR2322
  - rear (side door)
    - up to VIN DA314368 (1987)
      - rh (1) MWC1838
      - lh (1) MWC1837
    - VIN EA314369 on
      - rh (1) BFH710020
      - lh (1) BFH710030
    - tailgate
      - up to VIN AA241999
        - lever type (1) MUC4471
        - torsion bar type (1) ASR1018

### Door Handles

**Door handle - outer;**
- front - lever type handle
  - up to VIN AA242961
    - rh (1) MUC2290
    - lh (1) MUC2291
  - VIN AA242962 to 270226
    - rh (1) MUC6979
    - lh (1) MUC6980
- front - push-button handle
  - VIN AA270227 to ZA999999
    - rh (1) MXC7652
    - lh (1) MXC7651
    - VIN AA2622424 on
      - rh (1) CB0000030PMA
      - lh (1) CB0000020PMA
- rear side door - all models
  - rh (1) MXC2728
  - lh (1) MXC2729
  - tailgate (1) FQJ103840

### Door Locks & Keys

**Door lock (all supplied with 2 keys);**
- 1 barrel (1) RTC3022
- 2 barrel (1) MTC6503
- 3 barrel (1) MTC6504
- 4 barrel (1) MTC6505

### Door Seals

**Seal - door aperture (OE);**
- front door
  - rh (1) CFE102980
  - lh (1) CFE102990
- rear side door
  - rh (1) CFE103000
  - lh (1) CFE103010
- tailgate
  - up to VIN XA167599
    - rh (1) ALR4929
    - lh (1) CKE101120
    - VIN XA167600 on
      - rh (2) MWC6130
      - lh (2) ALR6250
  - up to VIN LA933876
    - rh (1) MWC6128
    - lh (1) MWC6129
    - VIN LA933877 on
      - rh (2) MWC6162
      - lh (2) ALR7477
  - tailgate
    - rh (1) ALR8747

**Waist seal - door (OE);**
- front door
  - inner (2) MTC8473
  - outer (2) ALR5980
- rear side door
  - inner (2) MWC1900
  - outer (2) ALR5981

### Door & Tailgate Hinges

**PUSH BUTTON DOOR HANDLE**

**To order call 01522 568000**

---

**DEFENDER 80 on 7/1/05 3:11 pm Page 5**
### Body Fittings & Finishers

#### Side Steps

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty Req.</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Stirrup type side step</td>
<td></td>
<td>MTC2138AA</td>
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<tr>
<td>Folding step type (each)</td>
<td>a/r</td>
<td>STC7631</td>
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<tr>
<td>Running board type</td>
<td></td>
<td></td>
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<tr>
<td>Side steps;</td>
<td></td>
<td></td>
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<tr>
<td>Black (pair) (1)</td>
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</tr>
<tr>
<td>Stainless steel (pair) (1)</td>
<td>STC50141</td>
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</tr>
<tr>
<td>Chequer plate (pair) (1)</td>
<td>LL1257</td>
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</tr>
<tr>
<td>Aftermarket side steps with black nylon coated, tubular steel edge and chequer plate tread plate. Tomb Raider (not shown) - rh (1)</td>
<td>STC61858</td>
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</tr>
<tr>
<td>- lh (1)</td>
<td>STC61859</td>
<td></td>
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<tr>
<td>Raider bar (pair) (1)</td>
<td>LL1313</td>
<td></td>
</tr>
<tr>
<td>Tube style aftermarket side steps, black nylon coated, with chequer plate top edge.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110 Black (pair)</td>
<td>STC8015AA</td>
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<tr>
<td>Stainless steel (pair) (1)</td>
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<td>Aftermarket side steps;</td>
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<td>- lh (1)</td>
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<td>Raider bar (pair) (1)</td>
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<td>Tube style aftermarket side steps, black nylon coated, with chequer plate top edge.</td>
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</table>

Bracket - support - folding step (a/r) MXC1624

#### Rear Step

<table>
<thead>
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<th>Description</th>
<th>Qty Req.</th>
<th>Part No.</th>
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<td>Folding type</td>
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<tr>
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<td>(1)</td>
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<tr>
<td>Tow bar-mounted</td>
<td>(1)</td>
<td>LL1256</td>
</tr>
<tr>
<td>Fixed, full-width type - less tread plate Not shown. Defender 50/Tomb Raider 90(1)</td>
<td>STC50269</td>
<td></td>
</tr>
<tr>
<td>Tomb Raider 110</td>
<td>(1)</td>
<td>STC50301</td>
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<tr>
<td>Tread plate - fixed rear step</td>
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<td></td>
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<tr>
<td>Chequer plate. Not shown.</td>
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<td></td>
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<tr>
<td>50th Anniversary</td>
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<td>Tomb Raider</td>
<td>(1)</td>
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#### Tow Bar Mounted Rear Step (LL1256)

#### Door Mirrors

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<th>Part No.</th>
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<tr>
<td>Original equipment</td>
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<tr>
<td>Convex mirror</td>
<td>(2)</td>
<td>MTC5084</td>
</tr>
<tr>
<td>Flat mirror</td>
<td>(2)</td>
<td>STC3213</td>
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<tr>
<td>Aftermarket</td>
<td></td>
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</tr>
<tr>
<td>7” x 5” (178mm x 127mm)</td>
<td>(2)</td>
<td>LL1139</td>
</tr>
<tr>
<td>10” x 7” (254mm x 178mm)</td>
<td>(2)</td>
<td>LL1140</td>
</tr>
<tr>
<td>Glass only - original equipment mirror; convex</td>
<td>(2)</td>
<td>RTC4341</td>
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<td>Flat</td>
<td>(2)</td>
<td>AWR6874</td>
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<td>Mirror arm</td>
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<td>Fixing screw - mirror arm</td>
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<tr>
<td>Mirror assembly - complete</td>
<td>(2)</td>
<td>LL1141</td>
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</table>

Complete mirror and arm assembly for 90/110.

TO ORDER CALL 01522 568000
**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.

**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’
- VIN HA455946 to VA138479 (1) BTR1049
- silver on clear background
- light grey on clear background
- black on clear background

**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).

**V8 Transfers;**

Not original Land Rover fitment.
- ‘3.5 LITRE’ - each
  - black (2) RB7263B
  - gold (2) RB7263G
  - silver (2) RB7263S

- ‘3.9 LITRE’ - pair
  - black (1) RB7498 3.9B
  - gold (1) RB7498 3.9G
  - silver (1) RB7498 3.9S
  - red (1) RB7498 3.9R

- ‘4.6 LITRE’ - pair
  - black (1) RB7498 4.6B
  - gold (1) RB7498 4.6G
  - silver (1) RB7498 4.6S

- ‘V8’ - each
  - black (2) RB7306B
  - gold (2) RB7306G
  - silver (2) RB7306S

**V8 chrome badge**

Adhesive - backed badge. Not original Land Rover fitment.

**Body Transfers & Badges**

TO ORDER CALL 01522 568000
**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) (2) BTR5779
- static - aftermarket (2) LL1317
- rear - centre - lap belt (1) RS1394
- static (forward facing) (1)
- rear - inward - all 110 station wagon
- static - OE (inward facing) (a/r) STC8888

**Carpet**

Carpet 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 (1999) (1) RTC8996AB
  - VIN XA159807 on (1999) middle footwell (110) - pair;
  - up to VIN WA159806 (1999) (1) RTC8099
  - VIN XA159807 (1999) ON (1) STC50173
  - Floor mat set - aftermarket
    - Pair of dark grey front footwell mats in waterproof carpet material, suitable for 90 & 110.

**Soundproofing Kits**

Soundproofing kit (1) LL1007

All models. Pre-cut. Felt covering cab & under bonnet area. Peel back adhesive in appropriate areas.

**Rear View Mirror**

Rear view mirror; non dipping (1) MRC9564

- dipping (1) MTC6376

**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
## Replacement Seats

Replacement seat backs & bases - standard; Complete replacement seat backs & bases in a range of original trim.

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<th>Description</th>
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<th>Part No.</th>
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<td>lh (1)</td>
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### High Back front seats;
Complete replacement front seats for all models, in a choice of trim colours, with headrests. 30” high back. Supplied individually.

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### 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.

<table>
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### Low Back;
(Only available in the following 4 trims).

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### Rear bench seat;
Inward-facing bench seat in a choice of trim colours. Supplied complete with frame and fixings.

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### Rear individual seats;
Available in either inward facing or forward facing versions. Supplied in a choice of trim colours, complete with fixings.

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### 90 (2 seater, 33” long)

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### 110 (3 seater, 48” long)

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### Rearward facing;
(Only available in the following 4 trims).

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### Forward facing;
(Only available in the following 4 trims).

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<td>Neptune</td>
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</tr>
<tr>
<td>Moorland</td>
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</tr>
<tr>
<td>Smokestone</td>
<td></td>
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</tr>
<tr>
<td>Techno</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RH</td>
<td>LL1149Black</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>LL1149Greystone</td>
<td></td>
</tr>
<tr>
<td>LL1149Caviar</td>
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<td></td>
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<tr>
<td>LL1149Techno</td>
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<tr>
<td>RH</td>
<td>LL1149Black</td>
<td></td>
</tr>
<tr>
<td>LH</td>
<td>LL1149Caviar</td>
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<td>PART No.</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>Rollover bar (not shown); standard soft top models</td>
<td>1</td>
<td>RGC3264</td>
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<tr>
<td>90 Sport &amp; Eastnor LE main rollover bar diagonal bar</td>
<td>1</td>
<td>STC7014</td>
</tr>
<tr>
<td>rh</td>
<td>1</td>
<td>ALR7822</td>
</tr>
<tr>
<td>lh</td>
<td>1</td>
<td>ALR7823</td>
</tr>
<tr>
<td>Fixings - rollover bar; standard models</td>
<td>2</td>
<td>MTC5519</td>
</tr>
<tr>
<td>nut plate</td>
<td>2</td>
<td>BH110301L</td>
</tr>
<tr>
<td>bolt - main bar</td>
<td>8</td>
<td>BH110261L</td>
</tr>
<tr>
<td>bolt - diagonal bar to body</td>
<td>8</td>
<td>BH110261L</td>
</tr>
<tr>
<td>90 Sport &amp; Eastnor LE nut plate</td>
<td>2</td>
<td>MTC5519</td>
</tr>
<tr>
<td>screw (M10 x 25)</td>
<td>12</td>
<td>ALR6871</td>
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</tbody>
</table>

### NUDGE BARS

- **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.

### '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.
LAMP GUARDS

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: (1) RTC8860AA
with rear-mounted spare: (1) RTC8860AA
without rear-mounted spare: (1) RTC8859AA
rear - HICAP pickup: (1) LL1204

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

ACCESSORIES

<table>
<thead>
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<th>PART No.</th>
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<tr>
<td>Sold as pairs.</td>
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<tr>
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<tr>
<td>hinged</td>
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<td>RTC8969</td>
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<tr>
<td>rear - except HICAP.</td>
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<td></td>
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<tr>
<td>fixed</td>
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<td>RTC8064</td>
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<td>Individual mesh lamp guards.</td>
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<tr>
<td>hinged</td>
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<tr>
<td>with rear-mounted spare</td>
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<td>RTC8860AA</td>
</tr>
<tr>
<td>without rear-mounted spare</td>
<td>(1)</td>
<td>RTC8859AA</td>
</tr>
<tr>
<td>rear - HICAP pickup</td>
<td>(1)</td>
<td>LL1204</td>
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<tr>
<td>Lamp guards - vehicle set;</td>
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<td></td>
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<tr>
<td>High quality aftermarket front and rear lamp guard set.</td>
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<td></td>
</tr>
<tr>
<td>Front guards are hinged. Available in black nylon coated finish or stainless steel.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Please note, not suitable for use with swingaway spare wheel carrier.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>black nylon coated</td>
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<td>LL1205</td>
</tr>
<tr>
<td>stainless steel</td>
<td>(1)</td>
<td>LL1205SS</td>
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Headlamp protectors - acrylic: (1) STC7561
All models - pair

TO ORDER CALL 01522 568000
### ACCESSORIES

#### SIDE STEPS

<table>
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<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
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<tbody>
<tr>
<td>Stirrup type (each)</td>
<td>(a/r)</td>
<td>MTC2138AA</td>
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<td>Folding step type (each)</td>
<td>(a/r)</td>
<td>STC7631</td>
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<tr>
<td>Running board type</td>
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<td></td>
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<tr>
<td>90</td>
<td>black (pair)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Stainless steel (pair)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Chequer plate (pair)</td>
<td>1</td>
</tr>
<tr>
<td>Tomb Raider (not shown)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- rh</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>- lh</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Raider bar (pair)</td>
<td>1</td>
<td>LL1313</td>
</tr>
<tr>
<td></td>
<td>Tube style aftermarket side steps, black nylon coated, with chequer plate top edge.</td>
<td></td>
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<tr>
<td>110</td>
<td>black (pair)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Stainless steel (pair)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Chequer plate (pair)</td>
<td>1</td>
</tr>
<tr>
<td>Tomb Raider (not shown)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- rh</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>- lh</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Raider bar (pair)</td>
<td>1</td>
<td>LL1314</td>
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<tr>
<td></td>
<td>Tube style aftermarket side steps, black nylon coated, with chequer plate top edge.</td>
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</tr>
<tr>
<td>Bracket - support - folding step (a/r)</td>
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<td>MXC1624</td>
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#### REAR STEPS

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<th>DESCRIPTION</th>
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<tr>
<td>Folding type</td>
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<td>STC7632</td>
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<tr>
<td>Retractable</td>
<td>(1)</td>
<td>MTC3085</td>
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<tr>
<td>Tow bar-mounted</td>
<td>(1)</td>
<td>LL1256</td>
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<tr>
<td></td>
<td>Heavy gauge, plated steel. Bolts directly to crossmember.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fixed, full-width type - less tread plate</td>
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</tr>
<tr>
<td></td>
<td>Not shown.</td>
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</tr>
<tr>
<td>Defender 50/Tomb Raider 90(1)</td>
<td>STC50269</td>
<td></td>
</tr>
<tr>
<td>Tomb Raider 110</td>
<td>(1)</td>
<td>STC50301</td>
</tr>
<tr>
<td>Tread plate - fixed rear step</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chequer-plate</td>
<td>(1)</td>
<td>STC60168</td>
</tr>
<tr>
<td>Not shown.</td>
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<td></td>
</tr>
<tr>
<td>50th Anniversary</td>
<td>(1)</td>
<td>STC60168</td>
</tr>
<tr>
<td>Tomb Raider</td>
<td>(1)</td>
<td>STC61868</td>
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To order call 01522 568000
## ACCESSORIES

### BUMPERETTES

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<thead>
<tr>
<th>DESCRIPTION</th>
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<th>PART No.</th>
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</thead>
<tbody>
<tr>
<td>front - galvanised</td>
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<td>RTC4769</td>
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<tr>
<td>rear</td>
<td></td>
<td>RRC2970</td>
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<tr>
<td>rh</td>
<td>1</td>
<td>RRC2971</td>
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<tr>
<td>lh</td>
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### ROOF RACKS

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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>Roof rack - Original Equipment;</td>
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<tr>
<td>full roof rack type</td>
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</tr>
<tr>
<td>0.8 metre</td>
<td>1</td>
<td>STC53014</td>
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<tr>
<td>1.6 metre</td>
<td>1</td>
<td>RTC8161A</td>
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<tr>
<td>2.4 metre</td>
<td>1</td>
<td>RTC8141A</td>
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<tr>
<td>ladder rack type</td>
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<td>RTC8131A</td>
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<tr>
<td>Supplied individually</td>
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### LUGGAGE BOX

<table>
<thead>
<tr>
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<th>QTY</th>
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<tbody>
<tr>
<td>Luggage top box;</td>
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<tr>
<td>Fit to factory roof rack or aftermarket roof bars.</td>
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<td></td>
</tr>
<tr>
<td>original equipment</td>
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<td></td>
</tr>
<tr>
<td>450 litres (L = 1600 W = 850 H = 410)</td>
<td>1</td>
<td>CAK000020</td>
</tr>
<tr>
<td>320 litres (L = 1300 W = 850 H = 340)</td>
<td>1</td>
<td>STC7963</td>
</tr>
<tr>
<td>aftermarket equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>350 litres (L = 1300 W = 880 H = 350)</td>
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<td>CAK000020P</td>
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### LUGGAGE TIE-DOWN LOOPS

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<th>PART No.</th>
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<tbody>
<tr>
<td>Luggage loop (a/r)</td>
<td></td>
<td>LL1069</td>
</tr>
<tr>
<td>Sold individually; Complete with fixings</td>
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<td></td>
</tr>
</tbody>
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**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 swing away spare wheel carrier.

- black nylon coated (1) LL1212BLACK
- galvanised (1) LL1212GALV
- stainless steel (1) LL1212SS
**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

**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.

**TRAILER BOARD**

Trailer board (4') (including 4m cable) RX1513

**SPARE WHEEL CARRIER**

Spare wheel carrier;
- swing-away type
- original equipment ANR5015
- aftermarket
  - 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.
**CHEQUER PLATE**

Chequer plate - Genuine;
wing top - front;
  - matt finish - with aerial aperture (pair)
    - rh (1) STC7667
    - lh (1) STC7693
  - bright finish
    - rh (1) STC60166
    - lh (1) STC60167
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) STC61830
      - 110
      - rh (1) STC61833
      - lh (1) STC61834
rear step
- running board type.
  - rh (1) STC61868
  - lh (1) STC61869
front bumper
- (1) STC61844
- lh (1) STC61845
loadspace area (Tomb Raider 110)
wheelbox
- rh (1) STC61839
- lh (1) STC61840
loadspace area 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
  - early type (1) LL1267
  - late type (1) LL1268
- models with rear wiper (1) LL1269
  - early type (1) LL1261
  - late type (1) LL1262
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) LL1211
  - black finish (1) LL1212
- 110
  - aluminium finish (1) LL1213
  - black finish (1) LL1214
rear wheel arch trailing edge - 90
Available in aluminium and black finish.
- aluminium finish (1) LL1215
  - black finish (1) LL1216
bumper top - all models
- Aluminium finish only.
  - (1) LL1265
  
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.
### ACCESSORIES

#### MUD FLAPS

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<tr>
<th>DESCRIPTION</th>
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<td>Mudflaps;</td>
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<tr>
<td>front - all models</td>
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<td>CAS00100PMA</td>
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<tr>
<td>rh</td>
<td>CAS00100PMA</td>
<td></td>
</tr>
<tr>
<td>lh</td>
<td>CAS00100PMA</td>
<td></td>
</tr>
<tr>
<td>pair - mudflaps only</td>
<td>(1)</td>
<td>RTC4665</td>
</tr>
<tr>
<td>kit - mudflaps plus fittings</td>
<td>(1)</td>
<td>RTC9479</td>
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<tr>
<td>rear - 90</td>
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<tr>
<td>up to VIN AA414686</td>
<td>(1)</td>
<td>MUC2344</td>
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<td>rh</td>
<td>MUC2344</td>
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<tr>
<td>lh</td>
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<tr>
<td>from VIN AA414687</td>
<td>(1)</td>
<td>MUC2390</td>
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<tr>
<td>Td5 &amp; V8 efi</td>
<td>(1)</td>
<td>CAT000200PMA</td>
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<td>rh</td>
<td>CAT000200PMA</td>
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</tr>
<tr>
<td>lh</td>
<td>CAT000200PMA</td>
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<tr>
<td>rear - 110/130 (pair)</td>
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Fittings - front mudflaps - all models

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<td>(1)</td>
<td>MTC3000</td>
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<tr>
<td>stiffer - mudflap support</td>
<td>(2)</td>
<td>MTC374</td>
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<tr>
<td>screw;</td>
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<td></td>
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<tr>
<td>bracket to chassis</td>
<td>(6)</td>
<td>FS106167</td>
</tr>
<tr>
<td>mudflap to bracket</td>
<td>(6)</td>
<td>FS106255L</td>
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<tr>
<td>nut - mudflap screw</td>
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<td>GHF212</td>
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Fittings - rear mudflaps - 90;

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<td>MUC3984</td>
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<tr>
<td>VIN AA232011 on</td>
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<td>MUC3986</td>
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<tr>
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<td>MUC1512</td>
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<tr>
<td>screw;</td>
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<td></td>
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<tr>
<td>bracket to chassis</td>
<td>(6)</td>
<td>FS106167</td>
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<tr>
<td>mudflap to bracket</td>
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<td>FS106255L</td>
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<tr>
<td>nut - mudflap screw</td>
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<td>GHF212</td>
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Fittings - rear mudflaps - 110/130;

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<td>MTC3858</td>
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<td>(1)</td>
<td>MTC3857</td>
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<tr>
<td>M6 x 16</td>
<td>(6)</td>
<td>FS106167</td>
</tr>
<tr>
<td>M6 x 20</td>
<td>(6)</td>
<td>FS106201L</td>
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<tr>
<td>mudflap to bracket</td>
<td>(6)</td>
<td>FS106167</td>
</tr>
<tr>
<td>nut - mudflap screw</td>
<td>(6)</td>
<td>GHF212</td>
</tr>
</tbody>
</table>

#### 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).

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Number Plate - Front</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>NPF</td>
<td></td>
</tr>
<tr>
<td>Deluxe - 3D effect</td>
<td>NPF3D</td>
<td></td>
</tr>
<tr>
<td>Deluxe - 3D effect with ‘GB’ logo</td>
<td>NPF3DGB</td>
<td></td>
</tr>
<tr>
<td>Vehicle Number Plate - Rear (oblong)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>NPR</td>
<td></td>
</tr>
<tr>
<td>Deluxe - 3D effect</td>
<td>NPR3D</td>
<td></td>
</tr>
<tr>
<td>Deluxe - 3D effect with ‘GB’ logo</td>
<td>NPR3DGB</td>
<td></td>
</tr>
<tr>
<td>Vehicle Number Plate - Rear (square)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>NPS</td>
<td></td>
</tr>
<tr>
<td>Deluxe - 3D effect</td>
<td>NPS3D</td>
<td></td>
</tr>
<tr>
<td>Deluxe - 3D effect with ‘GB’ logo</td>
<td>NPS3DGB</td>
<td></td>
</tr>
</tbody>
</table>

**Fitting Kit - number plates**

Universal kit including 4 self tap screws, 2 white caps, 2 yellow cups & 8 double sided adhesive pads.

#### DOOR WIND DEFLECTORS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door wind deflectors (front pair)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive with the windows down without the buffeting! Made from tough acrylic (light smoke) material. Easily fitted.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### SOFT TOPS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hood &amp; 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!</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For earlier vehicles and 110s, please enquire.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>khaki hood</td>
<td>LL1068KHAKI</td>
<td></td>
</tr>
<tr>
<td>sand hood</td>
<td>LL1068KAND</td>
<td></td>
</tr>
</tbody>
</table>

#### TONNEAU COVER

Tonneau cover - 90 SV soft top

BTR8691

#### RADIATOR MUFF

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiator muff Easily removable radiator cover for all models. Features 2-position flap to regulate air flow in winter.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To Order Call 01522 568000
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.

### PERFORMANCE ENHANCEMENT

- Increased torque
- Improves mileage
- Cuts emissions

<table>
<thead>
<tr>
<th>Application</th>
<th>Engine</th>
<th>Year</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>90/110/DEFENDER</td>
<td>2250cc Petrol</td>
<td>1983 on</td>
<td>LL1075</td>
</tr>
<tr>
<td>2.5 Petrol</td>
<td>1983 on</td>
<td>TBA</td>
<td></td>
</tr>
<tr>
<td>3.5 V6 Cars</td>
<td>1983 on</td>
<td>RA1462</td>
<td></td>
</tr>
<tr>
<td>2.5 non turbo diesel</td>
<td>1983 on</td>
<td>LL1064</td>
<td></td>
</tr>
<tr>
<td>2.5TD</td>
<td>1983 on</td>
<td>LL1065</td>
<td></td>
</tr>
<tr>
<td>2.5 200 TDI</td>
<td></td>
<td>LL1066</td>
<td></td>
</tr>
<tr>
<td>2.5 200 TDI (EGR)</td>
<td></td>
<td>RD1167</td>
<td></td>
</tr>
<tr>
<td>2.5 300 TDI</td>
<td></td>
<td>LL1067</td>
<td></td>
</tr>
<tr>
<td>2.5 300 TDI (EGR)</td>
<td></td>
<td>RD1168</td>
<td></td>
</tr>
<tr>
<td>TD5</td>
<td></td>
<td>LL1076</td>
<td></td>
</tr>
</tbody>
</table>

### UPGRATED BRAKE DISCS & PADS

Brake discs (pair)

<table>
<thead>
<tr>
<th>EBU Turbo groove</th>
<th>Front (axle set); 90</th>
</tr>
</thead>
<tbody>
<tr>
<td>solid</td>
<td>FRC7329UR</td>
</tr>
<tr>
<td>vented</td>
<td>EFTC902UR</td>
</tr>
<tr>
<td>Rear</td>
<td>FTC1381UR</td>
</tr>
</tbody>
</table>

Brake pads

<table>
<thead>
<tr>
<th>EBC Kuvlar</th>
<th>Front (axle set); 90</th>
</tr>
</thead>
<tbody>
<tr>
<td>up to axle nos: 22L10271 (RHD) &amp; 23L06078 (LHD)</td>
<td>STC2956UR</td>
</tr>
<tr>
<td>from axle no: 22L10272 (RHD) &amp; 23L06078 (LHD) up to VIN HA701009</td>
<td>STC3765UR</td>
</tr>
<tr>
<td>VIN HA701010 (1991) on</td>
<td>STC2952UR</td>
</tr>
</tbody>
</table>

| Rear (axle set); 90/10/130 | SFP000270UR |

| 110/130 - all models | STC2952UR |

### 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**
  - FREELANDER
- **TD5**
  - DISCOVERY DEFENDER
- **TD6**
  - RANGE ROVER (2002 ON)
- **2.5TD**
  - 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**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>APPLICATION</th>
<th>VIN*</th>
<th>BHP</th>
<th>TORQUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defender Td5 1999-2001</td>
<td>TA-1A</td>
<td>122</td>
<td>300</td>
<td>33</td>
</tr>
<tr>
<td>Defender Td5 2001-2002</td>
<td>TA-1A</td>
<td>122</td>
<td>300</td>
<td>33</td>
</tr>
<tr>
<td>Defender Td5 2003 on</td>
<td>TA-1A</td>
<td>122</td>
<td>300</td>
<td>33</td>
</tr>
<tr>
<td>Discovery Td5 manual 1999-2001</td>
<td>TA-1A</td>
<td>137</td>
<td>300</td>
<td>21</td>
</tr>
<tr>
<td>Discovery Td5 auto 1999-2001</td>
<td>TA-1A</td>
<td>137</td>
<td>300</td>
<td>21</td>
</tr>
<tr>
<td>Discovery Td5 auto 2002-2004</td>
<td>2A-4A</td>
<td>137</td>
<td>315</td>
<td>28</td>
</tr>
<tr>
<td>Discovery Td5 manual 2002-2004</td>
<td>2A-4A</td>
<td>137</td>
<td>315</td>
<td>28</td>
</tr>
<tr>
<td>Range Rover 2.5td (P38) 1995 on</td>
<td>MA-0N</td>
<td>136</td>
<td>268</td>
<td>25</td>
</tr>
<tr>
<td>Range Rover 3.0 Td6 2002 on</td>
<td>MA-0N</td>
<td>177</td>
<td>390</td>
<td>35</td>
</tr>
<tr>
<td>Freelander 2.0 Di (L series) 1997-2000</td>
<td>MA-0A</td>
<td>97</td>
<td>155</td>
<td>21</td>
</tr>
<tr>
<td>Freelander Td4 2000 on</td>
<td>YA-0N</td>
<td>112</td>
<td>260</td>
<td>28</td>
</tr>
</tbody>
</table>

*Please quote chassis number when ordering.

**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?

The 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.

### 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.

### K&N AIR FILTERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>APPLICATION</th>
<th>PART NO.</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defender Td5</td>
<td>ESR2438KN</td>
<td>30.64</td>
<td>36.00</td>
</tr>
<tr>
<td>Discovery Td5</td>
<td>ESR2438KN</td>
<td>30.64</td>
<td>36.00</td>
</tr>
<tr>
<td>Range Rover 2.5td to '99</td>
<td>ESR241KN</td>
<td>39.15</td>
<td>46.00</td>
</tr>
<tr>
<td>Range Rover 2.5td '00 on</td>
<td>ESR2438KN</td>
<td>30.64</td>
<td>36.00</td>
</tr>
<tr>
<td>Range Rover 3.0 Td6</td>
<td>PHE00040KN</td>
<td>52.71</td>
<td>61.93</td>
</tr>
<tr>
<td>Freelander Td4</td>
<td>PHE00050KN</td>
<td>42.55</td>
<td>50.00</td>
</tr>
</tbody>
</table>

### STAINLESS STEEL EXHAUST SYSTEMS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NO.</th>
<th>EXC. VAT</th>
<th>INC. VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defender Large bore exit 90</td>
<td>LR1127</td>
<td>319.00</td>
<td></td>
</tr>
<tr>
<td>Defender Large bored exit 110</td>
<td>LR1128</td>
<td>329.00</td>
<td></td>
</tr>
<tr>
<td>Defender Large bored exit 130</td>
<td>LR1129</td>
<td>339.00</td>
<td></td>
</tr>
<tr>
<td>Range Rover Large bore exit</td>
<td>RA1456</td>
<td>359.00</td>
<td></td>
</tr>
<tr>
<td>Range Rover Two large bore or dual exit</td>
<td>RA1456</td>
<td>359.00</td>
<td></td>
</tr>
<tr>
<td>Freelander 2.0 Td6 (L series) 1997-2000</td>
<td>LF1072</td>
<td>149.00</td>
<td></td>
</tr>
<tr>
<td>Freelander 2.0 L series</td>
<td>LF1072</td>
<td>126.81</td>
<td></td>
</tr>
</tbody>
</table>
## ACCESSORIES

### 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.
There are different inverters available to suit a range of power requirements.
There is overload, overheat and short circuit protection on all models.

<table>
<thead>
<tr>
<th>Wattage Model</th>
<th>Description</th>
<th>QTY Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 Watt Model</td>
<td>Continuous power: 150w. Peak power: 300w Cigarette lighter plug connection. 15A fuse. Suitable applications: TV, DVD, Video, Computer consoles, Lights (not fluorescent) Phone charger etc.</td>
<td>RX1551-150</td>
<td></td>
</tr>
<tr>
<td>300 Watt Model</td>
<td>Continuous power: 300w. Peak power: 660w Cigarette lighter or battery clip connection. 40A fuse. Suitable applications: as 150w model plus small power tools, small fridges, stereo etc.</td>
<td>RX1551-300</td>
<td></td>
</tr>
<tr>
<td>500 Watt Model</td>
<td>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.</td>
<td>RX1551-500</td>
<td></td>
</tr>
</tbody>
</table>

### DIS-CAR-NECT

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.

**Kenlowe ‘Hotstart’ engine & interior pre-heater**
RX1361

**‘Dis-Car-Nect’**
Starter Immobiliser
Replacement Screw Knob
Replacement Fuse
RX1356
RX1356K
RX1356F

### MOBILE FRIDGE/TRAVEL COOLER

Ideal for keeping food and drinks cool in the summer!
Simply plugs into cigarette 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 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.

<table>
<thead>
<tr>
<th>Fan Type</th>
<th>Description</th>
<th>QTY Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.25 &amp; 2.5 petrol</td>
<td>2.25 &amp; 2.5 petrol RA1096</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5 NA diesel</td>
<td>2.5 NA diesel RA1096</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5 TD</td>
<td>2.5 TD LL1083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200/300TDi</td>
<td>200/300TDi RA1096</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Td5</td>
<td>Td5 LL1084</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V8</td>
<td>V8 LL1083</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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, wheelchairs and general leisure use

**Battery Charger (6v/12v) GAC7106**
Standard Battery charger

**BATTERY CONDITIONER & CHARGER**

*Kenlowe Fridge Kit;*
Contains everything you need to fit a fridge to your vehicle, including mounting brackets, wiring and temperature sensor.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY Req</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenlowe ‘Hotstart’ engine &amp; interior pre-heater</td>
<td>RX1361</td>
<td></td>
</tr>
<tr>
<td>Kenlowe Fridge/Travel Cooler</td>
<td>RX1540</td>
<td></td>
</tr>
</tbody>
</table>

### POWER SOURCE INVERTER

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</tr>
</thead>
<tbody>
<tr>
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<td>RX1551-150</td>
<td></td>
</tr>
<tr>
<td>300 Watt Model</td>
<td>Continuous power: 300w. Peak power: 660w Cigarette lighter or battery clip connection. 40A fuse. Suitable applications: as 150w model plus small power tools, small fridges, stereo etc.</td>
<td>RX1551-300</td>
<td></td>
</tr>
<tr>
<td>500 Watt Model</td>
<td>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.</td>
<td>RX1551-500</td>
<td></td>
</tr>
</tbody>
</table>

### MOBILE FRIDGE/TRAVEL COOLER

Ideal for keeping food and drinks cool in the summer!
Simply plugs into cigarette lighter. Fantastic value.
Mobile Fridge/Travel Cooler
RX1540

### TO ORDER CALL 01522 568000
**ACCESSORIES**

**AUXILIARY LAMPS**

- **Driving Lamp;**
  - Rally 1000 (a/r) STC7644
  - Safari 5000 (2) STC8480
  - Genuine 9" circular lamps with removable stone guard. Supplied individually.
  - Wipac 'Off Road' - pair RX1512
  - 9" circular driving lamps supplied as a pair, off-road complete with chunky plastic grille. Inc H3 100w bulbs. Supplied individually.
  - Steady bar - Safari 5000 (2) STC8814
  - Wiring kit - Safari 5000 (1) STC8813AA

- **Search lamp - mirror-mounted** RTC8921AA

- **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** RX1533
  - Comet FF 100 Oval. 154mmW x 85mmD x 108mmH. RX1533 100
  - Comet FF 200 Round. 144mmW x 76mmD x 153mmH. RX1533 200
  - Comet FF 300 Oval. 191mmW x 95mmD x 118mmH. RX1533 300

- **Search lamp - mirror-mounted** RTC8921AA

- **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 Oval. 154mmW x 85mmD x 108mmH. RX1533 100
  - Comet FF 200 Round. 144mmW x 76mmD x 153mmH. RX1533 200
  - Comet FF 300 Oval. 191mmW x 95mmD x 118mmH. RX1533 300

- **Driving lamps** STC8480
  - Genuine 9" circular, Safari 5000 style with removable stone guard. Supplied each. Wiring, switch & relay kit sold separately (use RTC9586AA to 3/94 or STC8813AA 3/94 on).

**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)** RX1263
  - Replacement Bulb RX1263B
  - Ideal for working on your car or for jobs around the house. Inc. 240V-500w tungsten halogen lamp, 2m cable and BS plug.

- **Inspection Lamp/Halogen** RX1424
  - Plugs into cigar lighter.

*TO ORDER CALL 01522 568000*
**INTERIOR ENHANCEMENTS**

Aluminium interior trim - all models; heater vent trims (pair) heater control knobs (set of 3) clock surrounds (set of 4) up to ‘98 ‘99 on with clock ‘99 on with rev’ counter

- **LL1218**
- **LL1219**
- **LL1220**
- **LL1221**
- **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.

**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

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 RTC8366AA
  - except Station Wagon STC7619
  - Station Wagon STC7898
- 110 RTC8367AA
  - 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

**TO ORDER CALL 01522 568000**
## 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 diffs prevent this by allowing drive to be transmitted to the wheel/s which still have grip. Locking diffs 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detroit Locker (rear axle only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rover axles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 spline</td>
<td>(1)</td>
<td>LL1152</td>
</tr>
<tr>
<td>24 spline diff's</td>
<td>(1)</td>
<td>LL1153</td>
</tr>
<tr>
<td>Salisbury axles</td>
<td>(1)</td>
<td>LL1154</td>
</tr>
<tr>
<td>Please specify spline type when ordering.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detroit True Trac (front or rear axles)</td>
<td>Not available for Salisbury axles.</td>
<td></td>
</tr>
<tr>
<td>front</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 spline</td>
<td>(1)</td>
<td>LL1155</td>
</tr>
<tr>
<td>24 spline</td>
<td>(1)</td>
<td>LL1156</td>
</tr>
<tr>
<td>rear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 spline</td>
<td>(1)</td>
<td>LL1157</td>
</tr>
<tr>
<td>24 spline</td>
<td>(1)</td>
<td>LL1158</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90 black nylon coated</td>
<td>(1)</td>
<td>LL1164</td>
</tr>
<tr>
<td>galvanised</td>
<td>(1)</td>
<td>LL1165</td>
</tr>
<tr>
<td>110 black nylon coated</td>
<td>(1)</td>
<td>LL1166</td>
</tr>
<tr>
<td>galvanised</td>
<td>(1)</td>
<td>LL1167</td>
</tr>
<tr>
<td>130 black nylon coated</td>
<td>(1)</td>
<td>LL1168</td>
</tr>
<tr>
<td>galvanised</td>
<td>(1)</td>
<td>LL1169</td>
</tr>
<tr>
<td>A.R.B. Locker (front or rear axles)</td>
<td>Please note, ARB Lockers require a separate compressor. See below.</td>
<td></td>
</tr>
<tr>
<td>Please specify spline type when ordering.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rover axles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 spline</td>
<td>(1)</td>
<td>LL1159</td>
</tr>
<tr>
<td>24 spline</td>
<td>(1)</td>
<td>LL1160</td>
</tr>
<tr>
<td>Salisbury axles</td>
<td>(1)</td>
<td>LL1161</td>
</tr>
<tr>
<td>Compressor - ARB Locker</td>
<td>(1)</td>
<td>LL1163</td>
</tr>
</tbody>
</table>

## OFF-ROAD/COMPETITION ACCESSORIES

Battery isolator switch:
Essential for off-road competition, this isolator switch is simple to fit and features removable key.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery isolator switch</td>
<td>(1)</td>
<td>LL1171</td>
</tr>
</tbody>
</table>

3-point safety harness:
For competition use or just for extra safety off-road. Hip-mount requires re-positioning.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-point safety harness</td>
<td>(2)</td>
<td>LL1172</td>
</tr>
</tbody>
</table>

## WADING KIT

Wading kit:
Comprises breather pipes for axles, gearbox and timing cover.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wading kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200Tdi</td>
<td>(1)</td>
<td>RD1122</td>
</tr>
<tr>
<td>300Tdi</td>
<td>(1)</td>
<td>RD1123</td>
</tr>
</tbody>
</table>

## HIGH LIFT JACK

Jackal High lift jack:

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4ft</td>
<td>(1)</td>
<td>LL1177</td>
</tr>
<tr>
<td>5ft</td>
<td>(1)</td>
<td>LL1178</td>
</tr>
</tbody>
</table>

Jack extension:

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>front/rear jacking points</td>
<td>(1)</td>
<td>LL1179</td>
</tr>
<tr>
<td>side lift jacking points</td>
<td>(1)</td>
<td>LL1180</td>
</tr>
<tr>
<td>Carrying rack - high lift jack</td>
<td>(1)</td>
<td>LL1181</td>
</tr>
</tbody>
</table>

## SNORKEL

Snorkel (raised air intake) kit:

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genuine - Td5 &amp; Td5 aftermarket (Safari)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200Tdi</td>
<td>(1)</td>
<td>STC50265</td>
</tr>
<tr>
<td>300Tdi/Td5</td>
<td>(1)</td>
<td>LL1173</td>
</tr>
<tr>
<td>non ABS</td>
<td>(1)</td>
<td>LL1174</td>
</tr>
<tr>
<td>with ABS</td>
<td>(1)</td>
<td>LL1175</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>LL1176</td>
</tr>
</tbody>
</table>

## SILL PROTECTION BAR - 90

Tubular steel side protection bar for 90" models. Fits underneath aluminium sills for extra protection. Black nylon coated.

<table>
<thead>
<tr>
<th>Description</th>
<th>QTY</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sill protection bar</td>
<td>(1)</td>
<td>LL1170</td>
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## WADING KIT

Snorkel (raised air intake) kit:

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</tr>
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<td>(1)</td>
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</tr>
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<td>(1)</td>
<td>LL1173</td>
</tr>
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<td>(1)</td>
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<td>(1)</td>
<td>LL1175</td>
</tr>
<tr>
<td>V8</td>
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<td>LL1176</td>
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<td>(1)</td>
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</tr>
<tr>
<td>non ABS</td>
<td>(1)</td>
<td>LL1174</td>
</tr>
<tr>
<td>with ABS</td>
<td>(1)</td>
<td>LL1175</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>LL1176</td>
</tr>
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## SNORKEL

Snorkel (raised air intake) kit:

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</tr>
<tr>
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<td>(1)</td>
<td>LL1173</td>
</tr>
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</tr>
<tr>
<td>with ABS</td>
<td>(1)</td>
<td>LL1175</td>
</tr>
<tr>
<td>V8</td>
<td>(1)</td>
<td>LL1176</td>
</tr>
</tbody>
</table>
**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
- EW-6500
- EW-9500
- EW-11000

---

**FEATURES**

<table>
<thead>
<tr>
<th>WINCH</th>
<th>EW-4500</th>
<th>EW-6500</th>
<th>EW-9500</th>
<th>EW-11000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated line pull (single line) (lbs)</td>
<td>4500 (2040kg)</td>
<td>6500 (2950kg)</td>
<td>9500 (4300kg)</td>
<td>11000 (4985kg)</td>
</tr>
<tr>
<td>Motor</td>
<td>1.6HP/12v</td>
<td>5.5HP 12v series wound</td>
<td>5.5HP 12v series wound</td>
<td>5.5HP 12v series wound</td>
</tr>
<tr>
<td>Control</td>
<td>Remote switch (3.4m lead)</td>
<td>Remote switch (3.7m lead)</td>
<td>Remote switch (3.7m lead)</td>
<td>Remote switch (3.7m lead)</td>
</tr>
<tr>
<td>Gear ratio</td>
<td>159:1</td>
<td>172.8:1</td>
<td>216:1</td>
<td>265:1</td>
</tr>
<tr>
<td>Clutch</td>
<td>Pin clutch</td>
<td>Shift pin ring gear</td>
<td>Sliding ring gear</td>
<td>Sliding ring gear</td>
</tr>
<tr>
<td>Brake</td>
<td>Self lock</td>
<td>Automatic in-the-drum</td>
<td>Automatic in-the-drum</td>
<td>Automatic in-the-drum</td>
</tr>
<tr>
<td>Wire rope</td>
<td>15.2m x 6.4mm diameter</td>
<td>24m x 7.2mm diameter</td>
<td>28.5m x 8.2mm diameter</td>
<td>28.5 x 8.2mm diameter</td>
</tr>
<tr>
<td>Gear train</td>
<td>Planetary, 2 stage</td>
<td>Planetary, 3 stage</td>
<td>Planetary, 3 stage</td>
<td>Planetary, 3 stage</td>
</tr>
<tr>
<td>Gear train</td>
<td>Planetary, 2 stage</td>
<td>Planetary, 3 stage</td>
<td>Planetary, 3 stage</td>
<td>Planetary, 3 stage</td>
</tr>
<tr>
<td>Remote control</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td>Remote control</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td>Recommended battery</td>
<td>440CCA min</td>
<td>650CCA min</td>
<td>650CCA min</td>
<td>650CCA min</td>
</tr>
<tr>
<td>Finish</td>
<td>Black</td>
<td>Black</td>
<td>Black/dark grey</td>
<td>Black/dark grey</td>
</tr>
<tr>
<td>Weight</td>
<td>16kg (18kg with wire)</td>
<td>30kg</td>
<td>38kg</td>
<td>40kg (43kg with wire)</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>363L x 193D x 166H</td>
<td>470L x 160W x 205H</td>
<td>537L x 160W x 218H</td>
<td>541L x 160W x 218H</td>
</tr>
<tr>
<td>Mounting pattern</td>
<td>102mm: 2 - 11mm</td>
<td>168.4 x 114.3mm</td>
<td>254 x 114.3mm</td>
<td>254 x 114.3mm</td>
</tr>
</tbody>
</table>

---

**WINCH ACCESSORIES**

- T-Max winch accessory kit
- Swivel shackle
- Remote control
- T-Max Winch Solenoid

---

**TO ORDER CALL 01522 568000**
**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
  - VIN XA159807 on 90
  - 110 except HICAP
  - HICAP
- 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
- Tow ball kit - removable tow ball with quick-release tow ball.
- Suitable for vehicles up to VIN 159806.

**Towing electrics;**

- up to VIN WA159806 (1998)
  - VIN XA159807 (1999) on
  - ‘S’ type auxiliary socket;
  - For powering auxiliary electrical equipment in caravans or trailers. Includes twin split-charge kit for charging both main and auxiliary batteries.
- up to VIN VA159806 (1998)
  - VIN XA159807 (1999) on
  - ‘S’ type auxiliary socket;
  - For powering auxiliary electrical equipment in caravans or trailers. Includes twin split-charge kit for charging both main and auxiliary batteries.

**Tow ball (50mm)**

- GTT101

**Tow ball/jaw (3.5 tonne)**

- RT88159

**Tow ball only**

- KNT800646

**Tow ball cover (for GTT101)**

- GTT308

**Tow rope**

- STC8919P

---

**UNTHERSIDE PROTECTION**

**Steering guard (protection bar) (1)**

- NRC7009

**Sump guard (protection plate); genuine (1)**

- STC50437

- LL1182

**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
  - (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.

- Air lift compressor kit

- RA1371
  - 90
  - 110 (87 - ’96)

- LL1315

- Air lift compressor kit

- RA1372

---

**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 an 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.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HI-TEMP SHRINK TUBES</td>
<td></td>
<td></td>
<td>HI-TEMP SHRINK TUBES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18mm dia x 38mm long</td>
<td>Pack of 25.</td>
<td>RX1468</td>
<td>12mm dia x 38mm long</td>
<td>Pack of 25.</td>
<td>RX1469</td>
</tr>
</tbody>
</table>

UNIVERSAL HEAT SHIELD
This multi-purpose heat shield can be used to protect starter motors, carbs, fuel pumps, 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.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSAL HEAT SHIELD</td>
<td></td>
<td>RX1470</td>
</tr>
<tr>
<td>7” wide x 24” long</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION MATERIAL</td>
<td></td>
<td>RX1473</td>
</tr>
<tr>
<td>Supplied in 3 sizes: 2” x 21” (3.5sq ft), 4” x 21” (7sq ft), 4” x 42” (14 sq ft).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOL TAPE</td>
<td></td>
<td>RX1474</td>
</tr>
<tr>
<td>Available in 1/16” x 15’, 1/8” x 30’ and 2” x 60’ rolls</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TO ORDER CALL 01522 568000
## 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.

<table>
<thead>
<tr>
<th>SPARK PLUG SLEEVES</th>
<th>2 cylinder kit</th>
<th>RX1462</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Order 2 kits for 4 cylinder, 3 kits for 6 cylinder.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPARK PLUG SLEEVES</th>
<th>8 cylinder kit</th>
<th>RX1463</th>
</tr>
</thead>
</table>

### 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.

<table>
<thead>
<tr>
<th>HT LEAD SLEEVES</th>
<th>2 cylinder kit</th>
<th>RX1464</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Order 2 kits for 4 cylinder, 3 kits for 6 cylinder.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HT LEAD SLEEVES</th>
<th>8 cylinder kit</th>
<th>RX1465</th>
</tr>
</thead>
</table>

### 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.

<table>
<thead>
<tr>
<th>HT LEAD &amp; SPARK PLUG SLEEVE KIT</th>
<th>2 cylinder kit</th>
<th>RX1466</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Includes 7ft of HT lead sleeve, 2 plug sleeves &amp; 6 shrink tubes.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Order 2 kits for 4 cylinder, 3 kits for 6 cylinder.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HT LEAD &amp; SPARK PLUG SLEEVE KIT</th>
<th>8 cylinder kit</th>
<th>RX1467</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Includes 25ft of HT lead sleeve, 8 plug sleeves &amp; 25 shrink tubes.</td>
<td></td>
</tr>
</tbody>
</table>

### 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! 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.

Turbo-Guard is comprised 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.

<table>
<thead>
<tr>
<th>TURBO-GUARD</th>
<th>RX1547</th>
</tr>
</thead>
</table>

### TURBO INSULATION KIT

Designed to reduce turbo lag and reduce under bonnet temperatures.

The Turbo Insulation Kit adds additional horse-power 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.

<table>
<thead>
<tr>
<th>TURBO INSTALLATION KIT</th>
<th>RX1546</th>
</tr>
</thead>
</table>

### 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.

<table>
<thead>
<tr>
<th>AIR INTAKE PIPE COVER</th>
<th>RX1548</th>
</tr>
</thead>
</table>
**UPRATED STEERING DAMPER**

Used on its own or in conjunction with uprated suspension and bush kits, uprated steering dampers improve the 'feel' and accuracy of the steering.

Uprated steering damper - Bilsten RTC4472UR

---

**STEERING WHEEL**

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) LL119P
  - with black spokes
    - up to VIN HA (1991) (1) LL119B
    - VIN JA to WA138479 (1) LL1120B
    - VIN WA138480 on (1) LL119B
- 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

---

**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) BR1113
- Ducellier distributor (1) LL1316
- 1981 on.

**2.5 engine**
- 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.

---

**REAR SEAT CONVERSION**

See page 78 for details.

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**SUSPENSION KITS**

Refer to ‘Suspension’ pages 53-56 for details on various suspension packages, bush kits (inc. poly) etc.

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**TO ORDER CALL 01522 568000**
<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Series 1 Workshop Manual</td>
<td>LL1021</td>
</tr>
<tr>
<td>2</td>
<td>Series 2 &amp; 2A Workshop Manual</td>
<td>LL1022</td>
</tr>
<tr>
<td>3</td>
<td>Series 3 (4 &amp; 6 cyl) Workshop Manual</td>
<td>LL1024</td>
</tr>
<tr>
<td>4</td>
<td>Series 3 V8 Supplement (116 pages)</td>
<td>LL1025</td>
</tr>
<tr>
<td>5</td>
<td>Series 2, 2A &amp; 3 Diesel (88 &amp; 109) Haynes Workshop Manual</td>
<td>LL1051</td>
</tr>
<tr>
<td>7</td>
<td>Series 1 48-53 Parts Catalogue</td>
<td>LL1032</td>
</tr>
<tr>
<td>8</td>
<td>Series 1 54-58 Parts Catalogue</td>
<td>LL1033</td>
</tr>
<tr>
<td>9</td>
<td>Series 2 &amp; Early 2A Bonneted Control Parts Catalogue (328 pages)</td>
<td>LL1034</td>
</tr>
<tr>
<td>10</td>
<td>Series 2A Bonneted Control Parts Catalogue (336 pages)</td>
<td>LL1035</td>
</tr>
<tr>
<td>11</td>
<td>Series 3 88, 109 &amp; 109 V8 Parts Catalogue</td>
<td>LL1036</td>
</tr>
<tr>
<td>12</td>
<td>Series 2, 3, 109 V8 OP. Equip. Parts Catalogue (176 pages)</td>
<td>LL1037</td>
</tr>
<tr>
<td>13</td>
<td>Series 1 48-58 Owners Handbook</td>
<td>LL1040</td>
</tr>
<tr>
<td>14</td>
<td>Series 1 &amp; 2 Diesel Owners Handbook (58 pages)</td>
<td>LL1041</td>
</tr>
<tr>
<td>15</td>
<td>Series 2/2A/3 59-83 Owners Manual (359 pages)</td>
<td>LL1023</td>
</tr>
<tr>
<td>16</td>
<td>Series 2A &amp; 2B Owners Handbook 80 pages.</td>
<td>LL1042</td>
</tr>
<tr>
<td>17</td>
<td>Series 3 71-81 Owners Handbook 168 pages.</td>
<td>LL1043</td>
</tr>
<tr>
<td>18</td>
<td>Series 3 81-95 Owners Handbook</td>
<td>LL1044</td>
</tr>
<tr>
<td>19</td>
<td>Series 1, 2 &amp; 3 Haynes Restoration Manual (238 pages)</td>
<td>LL1054</td>
</tr>
<tr>
<td>20</td>
<td>Series 1 48-58 Road Test Book (100 pages)</td>
<td>LL1011</td>
</tr>
<tr>
<td>21</td>
<td>Series 2 &amp; 2A 58-71 Road Test Book (100 pages)</td>
<td>LL1012</td>
</tr>
<tr>
<td>22</td>
<td>Series 3 4x4 Performance Road Test Book (140 pages)</td>
<td>LL1013</td>
</tr>
<tr>
<td>24</td>
<td>Defender 93-95 Factory Workshop Manual (1008 pages)</td>
<td>LL1028</td>
</tr>
<tr>
<td>25</td>
<td>Defender 93-95 Workshop Manual (including 300TDI-R90/110/130/51) (1232 pages)</td>
<td>LL1029</td>
</tr>
<tr>
<td>26</td>
<td>Defender Diesel 300 TDI 96-98 Workshop Manual (1008 pages)</td>
<td>LL1030</td>
</tr>
<tr>
<td>27</td>
<td>90, 110, Defender Diesel 93-95 Haynes Workshop Manual</td>
<td>LL1049</td>
</tr>
<tr>
<td>28</td>
<td>Parts Catalogue - L/R 110 (to 08/86) (384 pages)</td>
<td>RTC9863CE</td>
</tr>
<tr>
<td>29</td>
<td>90 &amp; 110 Owners Handbook 148 pages.</td>
<td>LL1045</td>
</tr>
<tr>
<td>30</td>
<td>90, 110, Defender ’83 Owners Workshop Manual (228 pages)</td>
<td>LL1026</td>
</tr>
<tr>
<td>31</td>
<td>90, 110, Defender Haynes Restoration Manual (208 pages)</td>
<td>LL1053</td>
</tr>
<tr>
<td>32</td>
<td>You &amp; Your Land Rover 90, 110, Defender (160 pages) Buying, enjoying maintaining &amp; modifying.</td>
<td>LL1058</td>
</tr>
<tr>
<td>33</td>
<td>90, 110, Defender 83-94 Gold Portfolio (172 pages)</td>
<td>LL1014</td>
</tr>
</tbody>
</table>
REFERENCE / INFORMATION BOOKS

LAND ROVER MILITARY MODELS

41 101 Forward Control Workshop Manual (168 pages) LL1031
42 Military 101 Forward Control Parts Catalogue (228 pages) LL1038
43 Military 101 Forward Control Owners Handbook (178 pages) LL1046
44 Military Land Rover Series 3 Lightweight Parts Catalogue (184 pages) LL1039
45 - Military Series 3 Lightweight Owners Handbook (162 pages) LL1047
46 Military Portfolio (140 pages) LL1015
47 Combat Land Rovers Military Portfolio No. 1 (136 pages) LL1048

LAND ROVER - GENERAL REF BOOKS

47 Simply The Best (Haynes) (160 pages) LL1055
48 Series 1 to Freelander (192 pages) History of Land rover. Graham Robson. LL1050
49 The Land Rover Story (Part one) 46-71 (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
- 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 Crafthorne. 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' LL1002
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 (1970), 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

DVD RX1541D
VIDEO RX1541V

TO ORDER CALL 01522 568000
ACCESSORIES

TOOLS

HYDRAULIC JACK

WHEEL CHOCK

JACK HANDLE

WHEELBRACE

Hydraulic jack ANR4489
Handle for jack NTC6856
Wheelbrace standard NTC7829
Wheel chock (each) ANR3052
Tyre pump S23638A
Hub nut box spanner RTC639

VALVE SPRING COMPRESSION

CLUTCH ALIGNMENT TOOL

Valve spring compressor (OHV) RX12260HV
Clutch alignment tool RX1366T
All models exc. early 4SP LT95 (large spline)

SPARK PLUG SPANNER

OIL FILTER STRAP WRENCH

OIL PUMP PRIMING TOOL

SUMP KEY SET (5 PIECE)

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

WORKSHOP CONSUMABLES

Hytenor (gasket sealant) 25g GGC103
Exhaust joining compound GCH112
Copper grease (tube) RX1345
Brake cleaner (aerosol) GBF901
Locitite thread lock GAC100
Trim adhesive (1 litre) RX1353
Trim adhesive (370g aerosol) RX1353A
Seam sealer (vinyl hoods) RX1255
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

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
For use in new or reconditioned engines during running-in. (Petrol & diesel).
Engine oil - Diesel
Unipart 15W40 GGL658
(5 litres)

Gear oil;
Unipart EP90 - 0.5 litre GGL190
- 5 litre GGL805
ATF - 0.5 litre GGL175
- 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 main-
tained 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

Grease;
lithium grease - 0.5 litre tube GGL111
rubber grease (red) S15475
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
**ROADSIDE EQUIPMENT**

- **Tyre pressure/tread depth gauge kit**
  - STC724

- **Lightweight Disposable Overalls**
  - RX1408M
  - Medium (approx 47” chest)
  - RX1408L
  - Large (approx 51” chest)
  - RX1408X
  - Extra large (approx 55” chest)

- **Rubber Gloves (100)**
  - RX1406

- **Bulb kit - ideal for touring**
  - STC8247AA

- **AA membership & Relay pack**
  - RX1329

- **Warning triangle**
  - RX1344

- **Safety jacket (luminous)**
  - GAC2999

- **First aid kit**
  - RX1399

- **Fire extinguisher**
  - GAC9904

**Snow chains (axle set)**
Please enquire for other sizes.

- 205 x 16 tyre
  - RTC9589
- 235 x 16 tyre
  - STC7664

**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**

- 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.

**FINNEGANS ‘ANTI-CORROSION’ WAXOYL**

Waxoyl starter kit

- RX1032

Waxoyl:

- 5 Litre can
  - RX1027
- 2.5 Litre can
  - RX1028
- 2.5 Litre cartridge
  - RX1029
- Trigger spray gun
  - RX1032
- 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.

**GENERAL CAR CARE PRODUCTS**

- Sponge
  - RX1415
- Wash leather
  - RX1416
### ACCESSORIES

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>QTY REQ</th>
<th>PART No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AD PRINTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Image of various advertising prints]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PERSONAL ORGANISER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land Rover personal organiser</td>
<td></td>
<td>STC50440</td>
</tr>
<tr>
<td>Superb value! 14 x 20cm (6 rings)</td>
<td></td>
<td>STC50440K</td>
</tr>
<tr>
<td>in dark burgundy with Land Rover badge.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>binder only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>binder &amp; diary insert</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UNLEADED FUEL ADDITIVES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottled additives available which can be mixed with either 'Premium' or 'Super' unleaded depending upon application.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>It usually works out cheaper to use bottled additives than leaded or LRP - work it out for yourself!</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CASTROL VALVEMASTER (250ml) RX1407VM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CASTROL VALVEMASTER PLUS (250ml) RX1407VMP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ADVERTISING PRINTS

Advertising prints (ex publicity);
- Parking in Knightsbridge L1317
- Technology versus nature L1318
- Defender on safari L1319
- Red Ninety L1320
- 3.9 litre V8 in the jungle L1321
- One Ten L1322
- Red Defender by stream L1323
- Black Defender at harbour L1324
- LWB Defender by dam L1325
- British can’t cook L1326
- Valuable thoroughbred L1327
- Built on Success L1328

### UNLEADED FUELS

**BOTTLED ADDITIVES**
-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 high levels 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 for re-tuning your engine. Treats 250 litres of petrol.*

**TO ORDER CALL 01522 568000**
RADIATOR RELIEF
COOLING SYSTEM ADDITIVE
Radiator relief allows your radiator to transfer heat more efficiently, reducing your engine 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.

GENERAL ITEMS

‘Rimmer Bros’ baseball cap RX1425
Tax disc holder (Free of charge) RX1355
Land Rover Headphones STC50072

Rimmer Bros ‘Vouchers’;
Vouchers make an ideal present for Classic car owners.

£5 value RX1337
£10 value RX1338
£20 value RX1339
£50 value RX1341

‘Rimmer Bros’ decal (black & silver) RA1055

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) RX4048B

Primer - Grey (150ml) RX4047A
Engine Black (High Heat) Aerosol high-cote (400ml)
Black RX1432A
Aluminium RX1432AL

Mix - Brush-on (125ml) RX1432B
Chassis Paint (Black) (For general touch-up) Brush on (125ml) RX4070B

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 RTC6870
Alveston red micatallic LRC696 STC4325
Ardennes green micatallic LRC413 RTC6634
Arizona tan RTC4051
Arran beige solid LRC433 RTC9580
Arrles blue solid LRC424 RTC6401
Arrow red solid LRC390 RTC5728
Atlantic green micatallic LRC632 STC3915
Beluga black solid LRC416 RTC5979
Biarritz blue micatallic LRC965 STC1773
Bonatti grey metallic LRC659 STC4597
Bronze green RTC4042
Caledonian blue micatallic LRC507 STC3822
Cambrian grey see Slate grey
Chawton white micatallic LRC603 STC3828
Cobor blue metallic LRC624 STC3825
Coniston green solid LRC370 STC1348
Coniston green micatallic LRC637 STC3824
County green see Ardennes green
County red micatallic LRC467 RTC5983
Davas white solid LRC354 RTC4058
Eastnor green solid LRC419 RTC5981
Epsom green micatallic LRC961 STC1774
Icelandic blue micatallic LRC621 STC4323
Ivory see Davas white
Kent green micatallic LRC647 STC4324
Kinversand micatallic LRC609 STC4238
Monte Carlo blue micatallic LRC608 STC4595
Montpellier red micatallic LRC536 STC1349
Niagara grey metallic LRC574 STC1449
Oslo blue micatallic LRC644 STC4596
Pacific blue see Arrles blue
Pennine grey solid LRC476 RTC6869
Portofino red see Arrow red
Quick silver LRC468 STC7552
Rioja red micatallic LRC601 STC2828
Riveria blue metallic LRC588 STC2863
Rutland red solid LRC607 STC3823
Shire blue RTC5727
Silver sparkle RTC8927
Slate grey RTC4054
Stratos blue RTC4049
Tasman blue see Stratos blue
Trocardo red see County red
Venetiona red RTC4035
Windjammer blue see Arrles blue
Woodcote green micatallic LRC623 STC3827
### GENERAL FASTENERS

#### BOLTS (Imperial)

Bolts have a NON Threaded Shoulder. The thread length can be calculated by multiplying the diameter by 2 and adding 1/4".

<table>
<thead>
<tr>
<th>Thread Diameter</th>
<th>Bolt Length</th>
<th>Thread Type</th>
<th>Pitch</th>
<th>PART No.</th>
<th>Spacing</th>
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#### STEEL NUTS (Plain NON Locking - Imperial)

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#### SETSCREWS (Imperial)

Setscrews are Fully Threaded.

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