



UK Ordering

We accept orders by mail, telephone, e-mail or fax. If you have the opportunity, we invite you to visit one of our branches. Remember, supplying details of your car, (i.e. engine, commission or Vehicle Identification Number (VIN) LHD or RHD, year of manufacture and any modifications) saves time and helps us to help you. Please inform us of your Customer Number, this is to speed up the order processing process.

Overseas Ordering

As with the UK we accept orders by mail, telephone, e-mail or fax. If you visit the UK we would be delighted if you visited one of our branches. When ordering, please ensure that you enclose full details of your name, address and Customer Number, plus details of your car (i.e. engine, commission or Vehicle Identification Number (VIN) LHD or RHD, year of manufacture and any modifications). Please note, overseas orders are often subject to local import duties, taxes and Customs clearance, which will need to be paid for at the point of entry. These charges are NOT included in the price of the goods or delivery prices. All relevant Customs forms and documentation needed to ensure the order arrives with the minimum of delay will be included with your shipment. If you have any special requirements, please contact us to discuss them. Please remember that delivery charges are dependent upon the size and weight of the shipment. If a quotation is required prior to placing an order, please contact the export department at your chosen branch and they will be pleased to supply a full quotation to you.

Parts Back-Order System

A back-order system is used when a part is not in stock at the time of ordering. If the item is expected to become available within a reasonable timeframe, then it will be put on back-order, unless the customer instructs us otherwise. When we have the parts in stock, the back-order will be processed automatically and the item will be dispatched to the customer. If the particular part becomes No Longer Available (NLA) or is likely to be unavailable for some time, then the customer will be advised and asked if the order is to be cancelled.

Shipping & Dispatch Methods

Orders for delivery in the UK may be dispatched by regular post (for small lightweight items), or through a courier service. The courier service is available for Next day delivery or 2-3 Day delivery. Please speak to our sales staff to discuss your requirements and to select the best option to suit your needs. We are constantly striving to improve the service we offer, so please contact your local branch for the latest shipping prices.

For delivery outside the UK we offer the following services:

Parcels up to 30kg; Europe 1 - 3 days
Europe by road 2 - 5 days
Worldwide 1 - 3 days

Shipments up to 500kg; Europe by road 2 - 5 days Worldwide by air 2 - 7 days to destination airport for collection or delivered direct to customer's address.
(Sea freight is now regarded as 'too slow' for most retail parts orders).

Worldwide shipping is available at competitive rates. For an exact quotation please contact our sales team with your requirements.

Shipments are now trackable, (inc. Internet access for selected carriers). Please speak to one of our sales staff to choose your best parts delivery option. Please remember, all carriage charges are dependant on weight band, volume, destination & delivery time. If a quotation is required prior to placing your order, please contact a member of the sales department at your chosen Moss branch, who will be happy to discuss your requirements. If you prefer, you may arrange your own shipping and dispatch.

Quotations & Payment Methods

We will be pleased to provide a full parts quotation detailing price, availability and relevant shipping costs. Payment may be made by cash, personal cheque (to the card guarantee limit), Certified Bank Draft, credit or debit card including: MasterCard, Visa, Switch, Delta and, by Sterling Travellers Cheques. If you intend to make payment by Cheque or Bankers Draft when using our fast mail-order parts service, please confirm parts availability and carriage charges.

Value Added Tax

Value Added Tax (VAT) at the current rate will be levied on all orders being dispatched to all countries within the European Community. VAT is not charged on goods dispatched to countries outside of the EC. However, such orders are often subject to local import duty, taxes and Customs clearance, which MUST be paid by you at the port of entry. Such charges are not included in the cost of the goods or delivery prices.

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Exchange Units

We are able to offer a full rebuild service on numerous major components in our product range. We offer this service as an alternative to direct replacement parts, or when a brand new item is no longer available. However, the continuity of this exchange scheme needs the understanding and co-operation of our customers in relation to several important points: It is important to remember that "rebuild" does not mean "brand new". Rebuilding a unit involves stripping, cleaning, inspecting and re-assembling the unit. During this process, parts showing signs of wear will either be completely replaced or suitably renovated. However, it is not always feasible for major sub-components to be replaced with brand new ones, for example, an exchange engine will not have a new block.

Due to the nature of certain product lines, some items can only be offered on a "one for one" exchange basis. This effectively means that you must offer us a viable unit before we can release a fully rebuilt item from our stock. In some instances we can only carry out reconditioning of your own unit. Our staff will inform you if this is the case. All exchange units are subject to a surcharge. This surcharge serves two purposes; firstly, it acts as an incentive for you to return your old unit, and secondly it provides us with financial cover if your returned unit proves unsuitable for exchange purposes.

Whether or not your returned unit is suitable for exchange purposes cannot be ascertained until it is made available to us for inspection. As a general rule, suitable for exchange basically excludes any items that are beyond reasonable repair (e.g. crankcases ventilated with a connecting rod) or units irrevocably damaged. We are also unable to accept units unless they are returned in whole, complete form (i.e. differential units which are returned partly stripped with no bearings and all the shims missing are not generally accepted), nor do we accept a "box of bits". Surcharges will only be refunded once our core department has passed the item as serviceable. Under no circumstances can any exchange unit be shipped overseas until we receive your original unit. We have predetermined prices for our exchange units based on our experience, what it will cost to repair a gearbox, axle or engine. Occasionally, however, the damage to the unit is so great that we will contact you before beginning work on your unit to advise you of any additional cost that may be incurred during the rebuild of the unit. We can return the unit (at your cost) if this proves unacceptable.

Warranty

All parts are fully warranted against defects in materials and workmanship for a period of twelve (12) months from the date of purchase. In most cases, warranty will not cover labour, failure of a related component, failure resulting from incorrect installation or misuse, nor would liability exceed the cost of the original component. During the warranty period, please contact us immediately at the point of purchase if any problems occur. We will then advise you, before replacing the failed component, as to the best course of action.

WITH ALL CLAIMS, A COPY OF THE PURCHASE INVOICE MUST BE PRODUCED.

Returns

Any Moss parts incorrectly supplied may be returned to any Moss branch for exchanging with the correct part. If you find you have bought parts, which you do not require, you can return them to the branch you bought them from within 3 months of purchase for a full credit to be used for the purchase of alternative Moss parts. If a refund of the purchase price is required, then a handling charge of 15% of the value of the goods may be levied. All returned goods must be in a condition suitable for re-sale and in their original undamaged packaging.

Customer Service

We value your custom and wish to ensure that you receive the very best service. Every effort will be made to provide you with Quality Parts and Expertise in a relaxed, helpful and friendly manner. Should you consider the service you receive from us to be unsatisfactory, or you have any problems with the part(s) purchased, please advise a member of the sales team at the originating branch. If the matter is not resolved to your satisfaction, please contact our Customer Services Department at: Customer Services, Moss Europe Ltd, Hampton Farm Industrial Estate, Hanworth, Middlesex, TW13 6DB England.

We will do our very best to resolve the issue and keep you as a loyal and happy Moss customer.

British Motor Heritage

Moss Europe Ltd. is a British Motor Heritage approved specialist. Our agreement with British Motor Heritage allows us the use of marque logos and some of the artwork contained within this catalogue.



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ENGINE PREPARATION

This is a general guide to correct procedures and will apply, wholly or partly to all types of engine rebuild. However, before the engine rebuild can begin the engine needs to be stripped down, cleaned and examined, a procedure which many undertake with undue haste. During the strip down the following should be observed:

1. Wait for the engine to cool properly before removing the cylinder head - this applies especially to aluminium type heads. The consequence of not waiting can result in a warped head.
2. Mark the location (and, where applicable, orientation) of all major components especially valves, tappets, camshafts, pistons and rods, shell bearings by placing in clearly marked containers or racks.
3. Before removing bearing caps (e.g. camshaft, con rod, main bearing), make sure they are clearly marked for position and orientation N.B. they must go back in the same position or on the same con rod and the right way round.

Once stripped all parts should be thoroughly cleaned and inspected with specific attention to any areas of bad wear or damage e.g:

1. Blown head gasket/burnt out valves - cylinder heads should always be thoroughly examined for cracks or distortion. Simply fitting a new gasket or valve is not the answer.
2. Damaged piston/rings - always check the cylinders for wear and damage. If the pistons need replacing, a rebore or cylinder hone is almost certainly needed as well. Damage to bores often appearing at the limits of the piston ring travel may well be what dictates the need for a rebore or at least a professional hone.
3. Badly worn crankshaft shell bearings - if the crankshaft is badly scored it must be reground to the next undersize. However, just as important are the con rod and main bearing housings that the shell bearings fit into. These are often overlooked and any wear or distortion in these areas will cause premature engine failure.

Cleaning should include the removal of all oil gallery plugs to enable thorough cleansing with brushes. Many parts can be re-used during the rebuild but the following items should always be replaced:

- All gaskets and seals
- Shell bearings
- Timing belts or chains
- Timing belt / chain tensioners
- All major fastenings including cylinder head, con rod and flywheel bolts.
- Piston rings
- Oil Pump drives

ENGINE REBUILD

The following bullet points highlight important procedures during the re-assembly of a modified engine:

1. **THOROUGHLY** clean and check ALL parts - your engine's worst enemy is dirt, and even new parts may need cleaning. This includes the head and block and all oil galleries.
2. **ALWAYS** fit new high quality gaskets and seals and ensure all shafts and mating surfaces are free from burrs and defects. Use correct sealants or lubricants where necessary.
3. **LIBERALLY** oil all internal parts during assembly. Use the special assembly lube or gear oil on cam lobes and tappet faces.
4. **ALWAYS** replace cam followers when fitting a new camshaft.
5. **ALWAYS** replace con rod, flywheel and cylinder head studs and bolts. All other fastenings should be checked for wear or damage and replaced as necessary. For high spec. engines, race quality fastenings are available for most applications.
6. **CLEAN** all threads and fastenings prior to fitment and use a good quality torque wrench on all critical components. Apply an anti-seize lubricant to all cylinder head fixings.
7. **IF** you are fitting high lift cams, special pistons, or large valve heads, always carry out a dummy engine build and check valve to piston/block clearances. Machine piston crowns/valve pockets or block face as necessary.
8. **INCORRECT** cam timing can severely reduce the power output so do not overlook this important area during assembly. Use adjustable cam pulleys or sprockets where available.
9. **CHOOSE** compatible parts for your specific conversion. A full race spec. head will be next to useless if fitted to a mild road stage engine. Modified camshafts and cylinder heads in particular should be chosen with care.

10. **UNLESS** you know what you are doing, avoid over-lightening components. Reducing the weight of some parts may also reduce their strength to a critical level.
11. **ALWAYS** have the engine assembly balanced - it will make a lot of difference to the smoothness and help maintain optimum reliability.
12. **DON'T** forget the clutch - depending on the power increase, a suitable heavy duty or competition clutch assembly will be required.
13. **OIL And FILTER** - the importance of using the correct specification of oil cannot be overstated. Please refer to pages 62/63 for our selection of oils and lubricants.

Most engine modifications should be followed up with a professional engine tune. Apart from emissions, the correct ignition timing and fuelling is paramount if you want the best return for all the expense and effort you have put in. Get these important settings wrong and you may lose more than just a bit of power. Over-fuelling (rich mixture) can result in excessive piston, ring and bore wear. Under fuelling (weak mixture) or retarded ignition can cause overheating problems. An ignition set with too much advance is likely to induce detonation or 'pinking' which, if left uncorrected, can shatter pistons and place excessive loads on the bottom end. You have been warned!

Lastly, please check that your suspension and braking systems are adequate for the power increase you have achieved. A full range of optional equipment can be found further in the Moss Europe Catalogue.

CAMSHAFT FITTING INSTRUCTIONS

The installation and first few moments of running are critical factors in the life of the camshaft. Failure to install the camshaft correctly will have a drastic effect on the life of the camshaft and in the worst cases can result in immediate failure. The following instructions must be adhered to in order to obtain maximum performance from the engine and to ensure a long and trouble free life from both camshaft and associated components. These instructions are also provided in addition to the original manufacturer's installation procedure.

Where a camshaft is being replaced due to excessive wear, it would be highly recommended to strip the engine and fully clean the internals. Metal particles present in the sump, oil pump, bearings and oil galleries will soon play havoc with the new cam. It would also be wise to check the oil feed system. Low oil pressure due to a worn pump, blocked pick-up pipe or blocked oil galleries will quickly wear the new cam to the same state as the one being replaced. In other words, before replacing a failed camshaft, make sure you find out the reasons for the failure and correct it!



Before fitting the camshaft, check that it is identical in every aspect (with the exception of the lobe profiles) to the one being replaced. Special attention should be given to the oil feed positions and journal diameters as variations may occur during the manufacture of the engine. Also check that any gallery bungs present on the old cam are also in place on the new cam. Do not remove the black phosphate coating from the new cam lobes.

Liberally coat both the camshaft and cam followers with a proprietary cam lube or engine assembly compound. We recommend and use a colloidal graphite paste. Failure to do this can cause scuffing between the surfaces of the cam and followers, which will result in premature wear. Ensure that followers are free to rotate in their bores where applicable.

It is essential that new followers are always fitted, regardless of the condition or limited use of the old followers. Failure to do so may cause premature components failure and consequently will invalidate any warranty claim.

Upon installation, the valve springs must be checked to ensure that:

- i) The fitted length (installed height) of the valve springs match the figure provided by the manufacturer. If too small, then the valve seat areas in the head will require machining. If too large, shims can be added to the spring seat. Due to varying manufacturing tolerances of cylinder heads, all springs should be checked and measured for clearance.

- ii) Coil binding does not exist at full valve lift. This is the condition where the spring is fully compressed. As a guide, the spring should be able to compress a further 0.060" (1.5mm) before the coil bound condition is reached. This can be checked by inserting feeler gauges between each coil of the spring and adding the results together to get a total clearance figure. Due to varying manufacturing tolerances of cylinder heads, all springs should be checked and measured for clearance.

Check the clearance between the bottom face of each retainer and the top of the guide or stem seal at full lift. This should be a minimum of 0.080" (2mm). If this clearance cannot be achieved, the top of the guides must be machined.

When double valve springs are being installed in place of singles, ensure that the inner spring is correctly located and the correct retainers and platforms are used where applicable.

When modifying engines that utilise finger followers, it is imperative that you ensure the followers remain in the original attitude relative to the cylinder head. Failure to do so will alter the rocker geometry, increasing or decreasing valve lift and can result in failure of both cam and followers or excessive valve stem/guide wear. For OHV engines, attention should be paid to rocker arm geometry for the same reasons.

CAMSHAFT TIMING

Determining True Crank TDC Position - Head Off Block

Although the crank pulley will have a mark to show TDC position, this point may not be accurate due to manufacturing tolerances. It is always recommended to calculate the actual position of TDC rather than rely on the mark on the crank pulley. Fit the timing disc to the front of the crankshaft. A pointer for the timing disc can be made from a piece of bent wire secured under a suitable front cover bolt. Position a dial gauge to measure the travel of No 1 piston.

Turn the crank until the piston is at its maximum height and zero the gauge. You will find that there is a dwell period of approx. 10 degrees where the piston is at its maximum height. True TDC position is at the centre of this dwell period. To accurately measure the position of TDC, rotate the crankshaft and stop at a figure just before TDC, for example 0.020" on the dial gauge. Record the figure on the timing disc from the pointer. Now rotate the crankshaft and stop at the same figure (0.020") after TDC. Record the figure on the timing disc again. True TDC is positioned in the middle of these two figures. The TDC position can be calculated by adding the two figures together and dividing by two. Adjust the timing disc so that it reads zero on the pointer at true TDC.

Determining True Crank TDC Position - Head On Block

If the head has not been removed when changing the cam, it is still possible to measure the true TDC position. The procedure is the same as above but the movement of the piston is recorded by using an extension resting on the piston crown (such as a socket extension or push rod). Access to the piston crown is made through the spark plug hole.

Timing In The Camshaft

Rotate the crankshaft clockwise to 90 degrees after TDC. This will make sure all the pistons are half way down the bore. Now position the dial gauge so that it can read the lift of the inlet valve of number 1 cylinder from the top of the valve retainer. Rotate the cam until the gauge shows that the valve is at full lift. As with the crankshaft, there will be a dwell period where the valve is at full lift. True full lift is at the centre of this dwell period. Roughly position the cam at true lift position. Now rotate the crankshaft clockwise to the full valve lift position (as specified on the camshaft data sheet - this figure is typically from 100 to 120 degrees after TDC), fit the timing belt or chain and set up the tensioner. Now rotate the crank clockwise until the inlet valve of number one cylinder is just off full lift position (such as 0.005" or 0.15mm). Record the figure on the timing disc from the pointer. Then continue to rotate the crank clockwise until the valve has fully opened and then closed by the same distance as previously used (0.005" or 0.15mm). Read the figure on the timing disc again. The position of full lift is the middle of these two figures. The full lift position can be calculated by adding the two figures together and dividing by two. Adjustments can then be made to the camshaft timing, using an adjustable cam pulley or offset dowels, if this figure does not agree with the one on the data sheet. Check the timing again after adjustments using the same procedure.

Having timed the camshaft, check that there is no piston to valve contact. Minimum clearance is 0.060" (1.5mm). This can only be checked by dummy building the engine with a piece of plasticine placed on the crown of the piston. As the engine is turned, the valves will indent the plasticine. The clearance is then measured as the thickness of the plasticine between the piston crown to the bottom of the valve indent.

Before starting the engine, turn the engine over by hand to ensure that it turns freely. Prime the oil system and check that everything is set to ensure that the engine starts straight away. The engine must not be turned over for any length of time on the starter.

Once started, do not allow the engine to idle for the first 20 minutes and keep the revs to a minimum of 2500 rpm. This will ensure adequate lubrication of the cam and followers and reduce the contact force between the cam and follower. If any adjustments need to be made

within the first 20 minutes, then shut the engine down. DO NOT ALLOW THE ENGINE TO IDLE. Please note that new hydraulic lifters may in some cases operate with excessive noise for a few minutes before they are fully charged with oil.

FORMULAE

Engine Capacity/Displacement

Information required: 1. Cylinder bore, 2. Crankshaft stroke, 3. Number of cylinders.

Calculation: $0.7854 \times \text{bore} \times \text{bore} \times \text{stroke} \times \text{number of cylinders}$.

Example: Bore = 73.5mm (7.35cm), Stroke = 81.3mm (8.13cm), cylinders

Solution: $0.7854 \times 7.35 \times 7.35 \times 8.13 \times 4 = 1379.79\text{cc}$

In the above example we have used centimetres to calculate capacity in cubic centimetres. To find the displacement in cubic inches simply substitute measurements in inches: $7.35\text{cm} = 2.893"$ & $8.13\text{cm} = 3.200"$ giving $0.7854 \times 2.893" \times 2.893" \times 3.200" \times 4 = 84.13 \text{ cu.in.}$

To quickly convert from cc's to cu.ins. divide by 16.387 and from cu.in. to cc. Multiply by 16.387.

Crankshaft Stroke

Information required: 1. Bore size, 2. Engine capacity, 3. Number of cylinders

Calculation: Divide engine capacity by: $(0.7854 \times \text{bore} \times \text{bore} \times \text{no. of cylinders})$

Example: 1380cc 4 cylinder engine with an 73.5mm bore size

Solution: $1380 \div (0.7854 \times 7.35 \times 7.35 \times 4) = 169.717086$, $1380 \div 169.717086 = 8.13\text{cm}$

Compression Ratio

Information required: 1. Capacity of ONE cylinder, 2. Compressed volume.

Cylinder capacity is the total engine displacement divided by the number of cylinders. E.g: 4 cylinder 1000cc engine = 250cc per cylinder.

Compressed volume is the area above the piston crown when the piston is at its highest point or top dead centre (TDC).

This area comprises:

1. The combustion chamber (usually in the cylinder head as shown, but can also be in the piston crown).
2. The head gasket thickness.
3. The area between the cylinder block face and the piston crown, commonly referred to as the 'deck height'.

Procedure:

Measure the volume of the cylinder and/or piston chambers using a suitable burette filled with paraffin. Calculate the volume of the gasket and deck height areas and add these to the chamber volume to arrive at the total compressed volume. Some engines with irregular piston crown shapes, especially raised areas, may be difficult to quantify with any degree of accuracy. In such cases it is best to measure the compressed area with the cylinder head fitted. Make sure the piston is at TDC and seal the gap between the cylinder wall and the piston with grease (this will prevent seepage past the rings giving a false reading). Refit gasket and cylinder head and measure the volume through the spark plug hole.

NOTE: The spark plug hole must be at the highest point when carrying out this procedure.

Calculation: $(\text{Cylinder volume} + \text{compressed volume}) \div \text{compressed volume}$.

Example: 1000cc 4 cylinder engine with a compressed volume of 27cc's

Solution: One cylinder = $1000\text{cc} \div 4 = 250\text{cc}$
 $(250\text{cc} + 27\text{cc}) \div 27\text{cc} = 277\text{cc} \div 27 = 10.26$ or 10.26:1 compression ratio

Valve Size

The maximum airflow through any valve occurs when it has been lifted 25% of its diameter. For example, a 37mm (1.45") valve will require a lift of no more than 9.25mm (.364") and a 31mm (1.22") valve a lift of 7.75mm (.305") to reach their maximum flow capabilities.

SUSPENSION GEOMETRY

There are five basic factors that control front suspension geometry:

- Kingpin Inclination
- Bump Steer
- Caster Angle
- Camber Angle
- Tracking

On a Mini only three of these can be altered easily.

FRONT SUSPENSION

Kingpin Inclination

The Kingpin Inclination is not independently adjustable although it will alter as other adjustments are made.

Bump Steer

Bump steer is in fact a change in toe angle as a wheel moves up or down in its suspension travel. When a bump is encountered in a turn, the resulting toe change will cause a slight steering effect which is felt as anything from a slight “twitch” to a major direction change. This can be optimised but is far more complicated and would require specialist measuring tools.

Caster Angle

Caster angle this is left to the adjustable front tie bar kit (WPT9003X). This is quite an easy adjustment if the tie bar bushes (31G1155H road hard/31G1155VH race hard rubber or 31G1115P poly. bushes) are lubricated on installation, as the tie bar can actually be rotated (therefore lengthened or shortened) in situ.

Camber Angle

Camber angle is adjusted by replacement of the lower arms with lengthened or adjustable length arms.

WPT9001X which are 3/8 inch longer, giving 1.5 degrees more negative camber than standard.

WPT90012X which are 1/2 inch longer, giving 2 degrees more negative camber than standard.

WPT90013X which are 5/8 inch longer, giving 2.5 degrees more negative camber than standard.

C-AJJ3363 rose jointed length adjustable, giving fully adjustment capabilities.

Again as with the tie bars it is advisable to use harder bushes (21A1882P) to achieve less free play.

Tracking

Tracking probably the most well known, is adjusted via the track rod end on the steering rack. This is not to be overlooked as with implementing the above modifications to the suspension your tracking is sure to have been affected and will require adjustment to bring back to the correct setting. Please note if lowering the suspension or adding lots of negative camber, you will require lengthened track rod ends (GSJ158) as the standard ones may only be hanging on by a few threads.

REAR SUSPENSION

Rear suspension, at the rear we are really stuck with only track and camber adjustment.

Camber Angle

Camber angle is adjusted via the outer radius arm bracket. There are two types available fixed (WPT9002X) at 1.5 degrees, and adjustable (WPT90021). These adjustable brackets also allow the track to be adjusted. If purchasing the fixed camber brackets the track can be altered, to alter toe-in is quite a simple affair this is done by adding spacer shims between the radius arm outer bracket and the rear subframe and elongating the fixing holes on the underside of the radius arm bracket.

Adjusting toe-out is not so simple this requires the removal of the radius arms to allow access to the inner radius arm mount, this now requires the mounting hole for the radius arm pin to be elongated. Once the correct track has been found it will be necessary to lock this in position to stop it returning to toe-out after some suspension movement. This elongating of the inner mount brings with it another problem by raising the rear suspension.

The thought of all this labour should have put off purchasing the fixed brackets and brought your attention to back to the adjustable brackets, in my view well worth the money and the sore knuckles.

DAMPERS, SPRINGS AND ADJUSTABLE HEIGHT SUSPENSION

We supply three different manufacturers of suspension dampers for the classic mini SPAX, GAZ and KONI, all of them offering dampers with adjustment facilities on both bump and rebound. Nearly all offer this facility via an adjustment knob or screw on the lower body of the damper unit, this controls both the bump and rebound. This is the easiest method of adjusting your damper.

Koni on the other hand have a different method of adjustment which requires the shock to be removed and adjusted under compression. Although this sounds like a long job this really only takes about 1 hour tops and only this long because the fuel tank has to be repositioned while removing the left hand rear damper.

Front Dampers

GAC8401X	SPAX Shock Absorber - Standard Height
GAC8402X	SPAX Shock Absorber - Lowered Height
GAC8405X	KONI Shock Absorber - Standard Height
GAC8046X	KONI Shock Absorber - Lowered Height
GAC8041XG	GAZ Shock Absorber - Standard Height
GAC8042XG	GAZ Shock Absorber - Lowered Height

Rear Dampers

GAC8403X	SPAX Shock Absorber - Standard Height
GAC8404X	SPAX Shock Absorber - Lowered Height
GAC8407X	KONI Shock Absorber - Standard Height
GAC8408X	KONI Shock Absorber - Lowered Height
GAC8403XG	GAZ Shock Absorber - Standard Height
GAC8404XG	GAZ Shock Absorber - Lowered Height

These of course are only the damper units and not the spring unit; this job on a classic mini is left to a rubber cone. Perfect for the job in many ways it is a bit harsh for the requirements we expect today. There are several ways to change this harshness. The cheapest way is to remove the springs and drill holes into the rubber although this could take some time with trial and error (please see Dave Vizards... How to Modify Your Mini...MGL0248...Page 159).

still gives plenty of enjoyment in the corners...

We also supply replacement spring kits that actually replace the rubber cone units completely. These are available in two different spring rates. The softer of the two kits (FAM3968X) is the one we would recommend for road use as it is disciplined over bumps and pot holes yet still gives plenty of enjoyment in the corners. The firmer of the two kits (FAM3968HX) is the kit that we would recommend for fast road, sprint and possibly some competition applications.

There is also the choice of coilover damper/spring kits (SPCK19 lowered kit and SPCK20 standard height kit). These as the name suggests are one piece units, the damper units have top and bottom (height adjustable at the bottom) platforms to facilitate the fitment of a spring around the body of the damper. With these units you can remove nearly all of the other original spring components e.g: rubber cone, suspension trumpets and knuckle joints. These kits come with their own top and bottom mounting brackets for the front and require slight modification to the rear inner arches to allow fitment of the dampers and 1.9" diameter springs.

If staying with standard rubber cones or converting to the spring replacement it is still possible to have adjustable height suspension. This is done via adjustable suspension trumpets; these trumpets replace the standard trumpets and have a threaded adjuster to allow a huge range of adjustment.

HiLos

GAC8437X	HiLo Adjustable Height Suspension Kit - Front And Rear
GAC84371	HiLo Adjustable Height Cones Kit - 2 x Hilo Cones And 2 x 21A423
GAC84372	Extension Rods (Pair) - Used With GAC84371 When Fitting To Rear Suspension
GAC84374	Front Allen Bar - Allen Head Bar For Adjusting Suspension Heights
GAC84373	Rear Allen Bar - Allen Head Bar For Adjusting Suspension Heights

Adjusta Ride

GAC8432X	Adjusta-Ride Adjustable Height Suspension Kit - Front
GAC8433X	Adjusta-Ride Adjustable Height Suspension Kit - Rear

Useful Tools

GAC9424X Cone Compressor Tool
 CCG001 Caster/Camber Gauge
 (This gauge allows you to correctly set up your suspension to get the best from your mini where it excels most (the corners). Very easy to use supplied with instructions).

Please remember that any change in height is going to affect other suspension geometry parameters and these will require checking and adjustment once the desired height has been reached.

BRAKES

Over the 41 years of the Mini production life there have many upgrades to the braking systems.

A summary of standard mini brake fitment throughout its production life.

Drum Brakes

- 1959-1964 Front drum brakes with single leading shoes. Rear drum brakes. This system had only one hydraulic wheel cylinder fitted in each drum. This system was hardly adequate then and should only be kept if car is trying to retain OE spec.
- 1964-1985 Front drum brakes with twin leading shoes. Rear drum brakes. This system although an improvement on the single leading shoe setup is only just adequate for standard performance cars and again retaining OE spec.

Disc Brakes

- 1961-1964 7 inch disc brakes at the front, two pot calipers. Rear drum brakes. Fitted to the Mini Cooper 997cc. This system although discs still had a very small pad surface to disc area and because of this these were not all that good. Parts for this system are virtually impossible to find therefore making it hard to maintain.
- 1964-1969 7 inch disc brakes at the front, two pot calipers. Rear drum brakes. Fitted to the Mini Cooper 998cc. This system had redesigned callipers and larger pad to discs surface area. This system was better than the 997 system but for today's standards it is still a little poor. Good for standard 10 wheel applications.
- 1963-1974 7.5 inch disc brakes at the front, two pot calipers. Rear drum brakes. Fitted to the Mini Cooper S and Mini Clubman GT. Much larger pad to disc surface area and improved cooling efficiency. This along with a remote servo makes a very effective braking system for those who wish to keep their 10" wheels.
- 1974-1979 8.4 inch disc brakes at the front, two pot calipers. Rear drum brakes. Fitted to the Mini Clubman GT. The larger discs really help with the pad to disc surface area and the cooling. These systems were non servoed and still gave very good stopping power.
- 1985-2000 8.4 inch disc brakes at the front, two pot calipers. Rear drum brakes. Fitted to the Mini as standard.
- 1989 8.4 inch vented disc brakes at the front, four pot calipers. Rear drum brakes. Fitted to the ERA Turbo Mini.



MS0508

IMPROVING YOUR MINI BRAKES

Any Mini can have its brake improved by moving to the next standard upgrade, i.e:

Single leading shoe to Twin leading shoe etc...

But most of you will be more interested in converting either from drums to discs or from small discs to large discs or maybe even four pot calipers.

First of all you should be honest with yourself with what you want from your braking system. All of us would like to believe that we are overlooked Eddie Irvine's (guess where I'm from) but the truth is usually that we are just spirited drivers who probably have too use our Saturday Mini race car as weekday commuter. Big discs and hard pads are great for the race track but in real life they can be noisy and juddery, and in the worst cases give poorer performance if the pads do not reach their working temperature.

The cheapest brake performance upgrade for all of the disc type systems is an upgraded pad swap. There are lots of manufacturers out there producing upgraded material pads.

GBP102G	EBC Green Pad Set 998 Cooper
GBP102KV	EBC Kevlar Pad Set 998 Cooper
GBP103G	EBC Green Pad Set Cooper S
GBP103KV	EBC Kevlar Pad Set Cooper S
8G8996	MINTEX M1144 Pad Set Cooper S
STR505G	EBC Green Pad Set GT And 84 On
STR505KV	EBC Kevlar Pad Set GT And 84 On
STR5051	MINTEX M1144 Pad Set GT And 84 On
STR5052	MINTEX M1155 Pad Set GT And 84 On
GBP258	MINTEX 4 Pot Metro And Alloy Calipers
TMG309474	MINTEX M1144 4 Pot Metro And Alloy Calipers

Something usually overlooked when looking at braking systems is replacement over braided brake hoses these give you a firmer feel at the pedal as these hoses do not expand when pressurised as rubber hoses do.

For those of you wishing for the ultimate in braking systems we have several 4 pot calipers and even 6 pots.

These calipers fit 10inch wheels:

MS0509S	4 Pot Alloy Calipers - Silver
MS0509SG	4 Pot Alloy Calipers - Gold
MS0509SB	4 Pot Alloy Calipers - Blue
MS0508S	7.9 Inch Disc
MS0509	4 Pot Alloy Vented Calipers - Silver
MS0509G	4 Pot Alloy Vented Calipers - Gold
MS0509B	4 Pot Alloy Vented Calipers - Blue
MS0508	7.9 Inch Vented Disc (These discs use 21A2695 drive flanges).

KAD1013294 4 Pot Alloy Vented Calipers

KADDISC10 10 Inch Vented Disc

These calipers fit 12 inch wheels:

KAD1013296 4 Pot Alloy Vented Calipers

KADDISC12 12 Inch Vented Disc

This kit is for 13 inch wheels only:

MT5411 6 Pot Vented Big Brake Kit. For 13" wheels where a no compromise front brake setup is required our big disc conversion can be used. This combines a one piece 6 pot caliper with a 265x18mm vented disc with separate alloy mounting bell. Supplied with fast road pads and front braided brake lines. This is a competition oriented brake upgrade as the calipers are not fitted with dust seals.

CYLINDER HEAD CASTING NUMBERS

Number	Inlet Dia.	Exhaust Dia.	Nominal cc	Standard fitment
2A628	1.0625"/26.99	1.00"/25.4	24.5	850, 998 Mini & 948 Sprite
2A629	1.0625"/26.99	1.00"/25.4	24.5	948, A35 & Morris Minor
12A1456	1.0625"/26.99	1.00"/25.4	24.5	850, 998 Mini & 948 Sprite
12G202	1.156"/29.36	1.00"/25.4	26.1	997 Cooper, Austin 1100 Mk
CAM4180	1.0625"/26.99	1.00"/25.4	25.5	998 Mini A+ (1980 on) & lead free
12G206	1.218"/30.93	1.00"/25.4	28.3	Early 998 Cooper, MG1100
12G295	1.218"/30.93	1.00"/25.4	28.3	998 Cooper, MG1100
12A185	1.401"/35.6	1.22"/31.0	21.4	First Mk1 Cooper S
AEG163	1.401"/35.6	1.22"/31.0	21.4	Later Mk1 & Mk2 Cooper S
12G940*	1.312"/33.33	1.15"/29.2	21.4	1275GT, Austin 1300, all late A+ models inc. Turbo not MG Metro
12G940	1.401"/35.6	1.15"/29.2	21.4	12G1805 Stamped on flat area by thermostat - MG1300, 1300GT & Mk3 Cooper S
12G940*	1.401"/35.6	1.15"/29.2	21.4	as above plus MG Metro

*Note: A+ head castings - despite having the same 12G940 casting number - are considerably different in appearance, loosing the flat area behind the thermostat housing and around the rest of the rocker/head stud areas to a sculptured look - where these areas are replaced by a 'sunken' cast finish. The A+ castings were introduced with the appearance of the Metro in 1980, although some late 1275GTs (1979-on) had them fitted. Generally they are easily recognised by their colour - a putrid yellow on the small-bore castings and bright red on the large-bore ones, a paint finish that is VERY difficult to remove, even in a chemical tank.

The MG Metro Turbo shares the same valve sizes with the other non-'big valve' 12G940 variants but has 8mm valve stems, sodium-filled exhaust valves.

A+ heads generally have three collet grooves in the valves, collets are 14-degree cone taper instead of the 10-degree on single groove collets (so parts are not interchangeable between single and triple groove types) and the top-caps have a raised ridge around the collet hole.

ENGINE IDENTIFICATION NUMBERS
850cc

8A	Austin up to 25000
8MB	Morris up to 25000
8AM	Austin & Morris 25000 onwards
8AH	Austin & Morris Automatic
8AJ	Austin & Morris closed circuit breathing
8AK	Austin & Morris automatic with closed circuit breathing
8WR	Wolseley Hornet & Riley Elf
8AC	Moke
85H/101	All variants 1969 onwards

Note: third suffix letter denotes compression type, L = Low, H = High, e.g. 8AM/U/H101 denotes high compression.

998cc

9WR	Wolseley Hornet & Riley Elf Mk2, pre closed circuit breathing
9AD	Austin, Wolseley Hornet & Riley Elf Mk2 with remote type gearbox and closed circuit breathing
9AE	Wolseley Hornet & Riley Elf Mk3
99H/-101 on	Wolseley, Riley, Mini 1000, Clubman1000 1970 onwards and Mk3 with dished piston
99H/791	Mini 1974 onwards with dished piston
99H/997	1980 onwards A+ block, flat top pistons, economy fitment with 2.95 final drive
99H/A97P	A+ block with dished pistons, pre-A+ gears, 3.44 final drive & 12-inch wheels

998 A+ block with centre locating tang in main cap, 1985 onwards, Flat top piston with circlip gudgeon pin retention.

99H/B81	Up to engine number 127431
99H/C20	Up to engine number 105023
99H/997	From engine number 127422 with 2.95 final drive99H/A35P

Flat top piston with press fit gudgeon pin.

99H/B81	From engine number 127432
99H/C20	From engine number 105024
99H/D80	

Flat top pistons with press fit gudgeon pin, Lead-free cylinder head.

99H/G30 or G32 or G33
99H/F15 or F16
99H/E20 or E21
99H/D81
LBB10089

Dished pistons with circlip gudgeon pin retention.

99H/B83P	Up to engine number 102908
99H/B84P	Up to engine number 100216

Dished pistons with press fit gudgeon pin.

99H/B83P	From engine number 102909
99H/B84P	From engine number 100217

Dished pistons with press fit gudgeon pin, Lead-free.

99H/G31
99H/E22
LBB10175

1100cc (1098cc)

10AMW/Ta	Clubman Estate and Austin 110 (ADO16 shape)
10H791	Clubman saloon
10H/-/H	All Austin 1100 2 & 4 door derivative Saloons (ADO16 shape)
10GR/Ta/H	MG1100 (ADO16 shape)
10GRB/Ta/H	MG1100 & Wolseley 1100 (ADO16)
10V/Ta/H	Vanden Plas 1100 (ADO16 shape)

997 Cooper

9F/Sa/H101 to 2637 except 19201 to 20410 (became 1070S)

998 Cooper (January 1964 Onwards)

9FA/Sa/H	Mk1 Austin pre closed circuit breathing
9FD/Sa/H	Mk1 Morris up to engine number 1934, all Austin Mk2 closed circuit breathing and Morris Mk2 from engine number 1935-33660 with closed circuit breathing
9FD/Xe/H	4 syncro gearbox introduced
99/-/H	Last of manufacture 1969

Cooper S Variants:
970cc

9F/Sa/X	Engine numbers 29001-29003 with Tecalامت filter
9FD/Sa/X	Closed circuit breathing introduced with Tecalامت filter
9FE/Sa/X	Closed circuit breathing, oil filter with oil light switch introduced
9F/Sa/X	Engine numbers 29039-30029 Purolator oil filter with oil light switch and closed circuit breathing

1070cc

9F/Sa/H	Engine numbers 26501 to 33660 and 19201 to 20410
9FD/Sa/H	Engine numbers 33661 to 33948 with closed circuit breathing and oil light switch in oil filter head

1275cc

9F/Sa/Y	Engine numbers 31001 to 31504 pre closed circuit breathing with Purolator oil filter
9FD/Sa/Y	Closed circuit breathing with oil light switch on filter housing after engine no. 32178
9FE/Sa/Y	Closed circuit breathing with oil light switch on Purolator filter housing and piston design change
9F/Sa/Y	From engine number 32378 onwards, closed circuit breathing with Purolator filter with oil light switch, Aeg510 camshaft introduced at engine number 40006, cross-drilled EN40Bcrank at engine number 42730 and metal dipstick tube at engine number 42548 onwards
12H397	Cooper S Mk3 with dynamo, negative earth and Tuftrided EN16T crankshaft
12H398	Cooper S Mk3 with alternator, negative earth and Tuftrided EN16T crankshaft

Note: Only Cooper S engines with prefix '9F' had EN40B forged steel, nitrided crankshafts. All other A-series engines had EN16T steel crankshafts which were only Tuftrided on Mk3 'S' and Austin 1300GT (ADO16) and were stamped 12G1683.

1275cc, Solid Wall Block (No Tappet Chest Covers)

12G/Ta/H	ADO17 shape Wolseley, Riley, MG & Vanden Plas fitted with S rods
12H379	1275GT with dynamo, negative earth, electric fuel pump and remote type gearbox
12H380	1275GT with alternator, negative earth, electric fuel pump and remote type gearbox
12H389	1275GT with dynamo, negative earth, mechanical fuel pump & remote type gearbox
12H390	1275GT with alternator, negative earth, mechanical fuel pump & remote type gearbox
12H706	1275GT with alternator, negative earth, mechanical fuel pump & rod change gearbox
12H397	Cooper S Mk3 with dynamo and negative earth
12H398	Cooper S Mk3 with alternator and negative earth
12H/-/	1275 Austin ADO16 & Allegro
12H610/635	Innocenti Mini with duplex cam drive gears and 11-stud head
12H719/832	Innocenti Mini with simplex cam drive gears and 11-stud head

1275cc, 1990 Onwards (12A Numbers)

12A/2A	Carburettor type
12A/2B	Carburettor and catalyst type
12A/2D	SPI (Single Point injection - Tbi, throttle body injection) with 9.4-1 CR
12A/E	SPI (Tbi - throttle body injection) with 10-1 CR

With the following suffixes:

F53	10.0-1CR, 3.105 final drive, catalyst, oil cooler
F75	9.4-1CR, SPI, 3.105 final drive, closed loop catalyst
F76	9.4-1CR, automatic with closed loop catalyst
F77	10.0-1CR, SPI Cooper, 3.2 final drive, closed loop catalyst
G01	10.0-1CR, 3.105 final drive, catalyst, no oil cooler
G03	9.4-1CR, 3.105 final drive, catalyst, May 1992 onwards
G04	9.4CR, 2.76 final drive, catalyst, French only spec
G05	9.4-1CR, automatic with catalyst

Factory Replacement Engine Reference Numbers (ie: New, Gold Seal Units)

8G28	850cc - Oil feed to primary gear type crank with 1.375-inch tail shaft
8G35	850cc - Deva bush conversion type crankshaft with 1.375-inch tail shaft
8G45	850cc - Gold Seal, 1.5-inch self oiling primary gear/crankshaft type
GSE1101E	850cc - Gold Seal unit
RKM1101E	850cc - Silver Seal unit
BHM1307E	850cc - Gold Seal unit, 85H prefix replacement
8G18	997cc Cooper - Oil feed to primary gear type crankshaft
8G29	997cc Cooper - Deva bush type primary gear and crankshaft
8G36	997cc Cooper - Oil feed converted primary gear and crankshaft
8G33	998cc Cooper - Fitted with 28G193 (12G202) cylinder head
8G40	998cc Cooper - 28G222 (12G295) cylinder head introduced
8G42	998cc Cooper - Closed circuit breathing rocker cover and side plates
8G49	998cc Cooper - Purolator oil filter with oil light switch introduced
GSE1103E	998cc Cooper - Gold Seal unit, was RKM1120E Silver Seal
RKM1103E	998cc Cooper - Silver Seal unit
8G57	998cc - New from 1969 and exchange for all pre-A+ up to 1981
GSE1102E	998cc - Gold Seal unit, was RKM1119E Silver Seal unit, pre-A+ up to 1981
RKM1102E	998cc - Silver Seal unit, pre-A+ up to 1981
RKM1119E	998cc - Silver Seal unit, replaced by RKM1102E, pre-A+ up to 1981
BHM1232	998cc - Low compression dished piston, CAM6267 camshaft, early cylinder head and crankshaft main bearings with side locator tang, A+
BHM1377	998cc - High compression flat top piston, CAM4717 camshaft, early cylinder head and crankshaft main bearings with side locator tang, A+
BHM1458	998cc - Low compression piston, CAM6267 camshaft, late A+ cylinder head and crankshaft main bearings with central locator tang, A+
BHM1460	998cc - High compression press-fit wrist pin piston, CAM4717 camshaft, late A+ cylinder head and crankshaft main bearings with central locator tang, A+
LBB10089	998cc - Low compression press-fit wrist pin piston, CAM6267 camshaft, lead free late A+ cylinder head and crankshaft main bearings with central locator tang, A+
8G156E	1100cc - Clubman, Special and Austin 1100 (ADO16)
RKM1150E	1100cc - Silver Seal unit for Clubman and Special
RKM1151E	1100cc - Silver Seal unit for Clubman and Special
BHM1042	1100cc - New and Gold Seal units for Clubman and Special, 1974-1980
BHM1229	1100cc - New and Gold Seal units for Clubman and Special, A+ Block, 1980 on
8G38	970cc - Gold Seal unit, pre closed circuit breathing, Cooper S
8G41	970cc - Gold Seal unit with closed circuit breathing side plates, Cooper S
8G46	970cc - Gold Seal unit with oil light switch in filter housing, Cooper S
8G133	1070cc - Gold Seal unit, pre closed circuit breathing, Cooper S
8G153	1070cc - Gold Seal unit with closed circuit breathing side plates, Cooper S
8G145	1275cc - Pre closed circuit breathing unit, Cooper S
8G154	1275cc - Closed circuit breathing side plates unit, Cooper S
8G155	1275cc - Oil filter housing with oil pressure light switch, Cooper S
8G174	1275cc - Fitted with AEG510 camshaft, Cooper S
38G464	1275cc - Introduced in 1970, most of which were fitted with EN16 Tufrided crankshaft
8G200	1275cc - New and Gold Seal units Clubman 1275GT
38G527	1275cc - New and Gold Seal units for engine numbers prefixed 12H706, 12H707 & 12H831 for Clubman 1275GT
RKM1130E	1275cc - Silver seal unit, was RKM1112E, for Clubman 1275GT, pre-A+
RKM1152E	1275cc - Silver Seal unit for Clubman 1275GT, pre-A+
RKM1112E	1275cc - Silver Seal unit for Clubman 1275GT, pre-A+
BHM1220	1275cc - A+ unit for Clubman 1275GT
8G199E	1275cc - Gold Seal unit with Duplex cam drive gears for 1300GT (ADO16) and Innocenti 1300, 11-stud cylinder head
38G559E	1275cc - Gold Seal unit with Simplex cam drive gears for engine numbers prefixed 12H719 and 12H832, for 1300GT (ADO16) and Innocenti 1300, 11-stud cylinder head
GSE1109E	1275cc - Gold Seal unit for 1300GT (ADO16) and Innocenti 1300, 11-stud cylinder head
RKM1133E	1275cc - Silver Seal unit for 1300GT (ADO16) and Innocenti 1300, 11-stud cylinder head
BHM1209E	1275cc - Gold Seal unit, replaced all Innocenti 1300 engines from engine numbers prefixed 12H610, 12H635 and 12H832

Notes: All engines pre-fixed with 'GSE' or 'RKM' were of UNIPART origin when BL split its parts organisation.

'E' at the end of a part number denotes it is a reconditioned, service unit only (basic engine assembly with no ancillaries).

'N' at the end of a part number denotes a brand new unit.

STANDARD PRODUCTION CRANKSHAFT IDENTIFICATION

Below is a list of crankshaft identification data by forging or stamped numbers - yes, contrary to what many say/express, all cranks are forged. None are cast. They wouldn't last 2 minutes in an engine if they were cast - they'd be way too brittle. The differences are in the material used, finish machining detail and any heat treatments applied. It is by no means complete and utterly correct/infalible since Austin/Morris, British Leyland, Leyland cars, Austin Rover, rover, et al were seriously prone to not adhering to specifications and applications lists. But it is better than nothing at all!

22A62	850cc - Early type with oil feed for primary gear, 1.375" dia. tail
22A63	850cc - Early type with oil feed for primary gear, 1.375" dia. tail
22A298	850cc - Early type thin-nose crank, 1.375" dia. tail
12A670	850cc - Later type with 1.5" dia. tail
12A298	997cc - Original Cooper crank
12A375	997cc - Cooper crank with oil feed hole for primary gear
12A595	998cc - Early EN16T spec
12A1451	998cc - Later, pre-A+ EN16T spec
BHM1436	998cc - A+ spec, 1985 onwards (12A1451 forging)
12G82	1100cc - Standard across the board transverse A-series EN16T spec
AEG330	970cc - EN40B forged, non-cross drilled
AEG171	1071cc - EN40B forged, non-cross drilled
AEG315	1275cc - Cooper S, EN40B forging, Nitrided, 1.625" dia. big ends, non-cross drilled
AEG316	1275cc - Cooper S, EN40B forging, Nitrided, 1.625" dia. big ends, non-cross drilled
AEG479	1275cc - Cooper S, EN40B forging, Nitrided, 1.625" dia. big ends, cross drilled
AEG480	1275cc - Cooper S, EN40B forging, Nitrided, 1.625" dia. big ends, cross drilled
AEG623	1275cc - Cooper S, EN16T forging, Tufrided, 1.625" dia. big ends
12G1287	1275cc - Non-S, EN16T with 1.625" dia. big ends
12G1288	1275cc - Non-S, EN16T with 1.625" dia. big ends
12G1505	1275cc - Non-S, EN16T with 1.75" dia. big ends
12G1683	1275cc - 12G1505 forging, non-S, EN16T with 1.75" dia. big ends, Tufrided
CAM6232*	1275cc - Rolled-fillet radius on bearing journals, A+ with 1.75" dia. big ends

*Note: This crankshaft was used in all 1275cc, A+, transverse engines including the MG Metro Turbo. There are various un-confirmed opinions on the subject of whether the material was any different, or whether it was heat treated differently. It would appear that early Turbos had just the standard spec, EN16T, non-heat treated type fitted. Later examples certainly appear to have been heat-treated, probably an up-to-date, emissions-friendly version of 'Tufriding' (a recognised ICI registered process) - possibly a forerunner to Nitro-Carburising. These crankshafts have a distinctly charcoal-grey/black finish - mostly detectable on the webs, water pump/alternator pulley end and in the rolled fillet radii. The later being fairly 'deep' and very even.

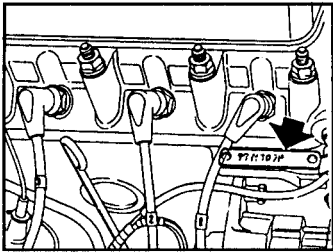
Compression ratio is hugely important too and engines performance, work out your compression ratio and the combustion chamber volume you need, make sure the head you are buying - especially if its of the shelf - has the right volume. David Vizards book 'Tuning the a series engine' has invaluable information in it concerning this.

Valve sizes are no guarantee of flow, just because it has big valves does not mean it flows big, take a valve out and look into the port, the guide should be bullet nosed, and is the seat unnecessarily wide, maybe a wide 'pre cut' to the seat? Are the seats cut accurately for height, run your fingers across inlet and exhaust differences - are they the same for all the chambers?

Look down into the ports, is there a raised section around the guide (a boss), all our heads have these removed for full flow is the finish consistent across all the ports, and not highly polished - a polished finish can actually reduce power due to fuel being drawn out of the air, due to surface tension.

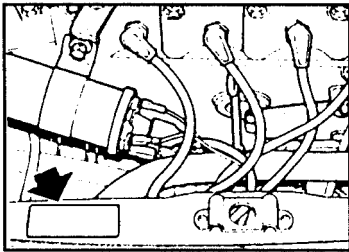
Hold a suitable gasket up to the manifold and chamber faces, have the chambers and ports been accurately modified? Usually on cheaply modified heads the ports are flared out to meet the gasket giving the appearance but not performance.

CAR IDENTIFICATION



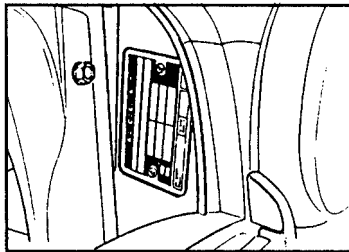
Engine Numbers:

The engine number is located immediately above the alternator.



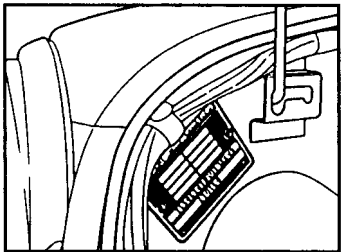
Cars Produced Up To 1979:

The commission number can be found on a red plate fitted to the bonnet slam panel.



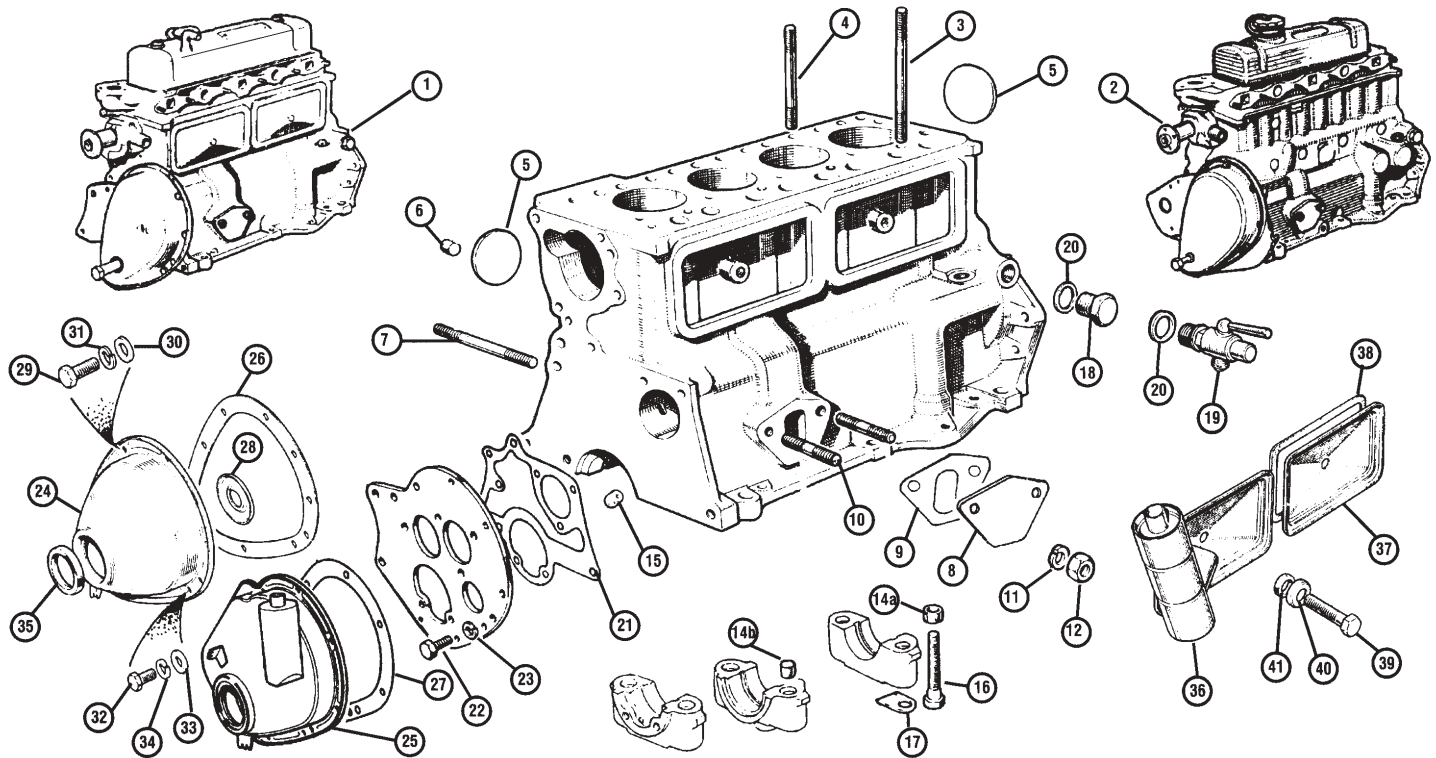
Cars Produced Between 1980 - 1984:

In 1980 the use of the vehicle identification numbers was introduced. The V.I.N. plate is located on the left hand fitch, in front of the radiator.



Cars Produced After 1984:

The V.I.N. plate can be found fitted to the right hand fitch, near the bonnet prop locating bracket.



No.	Part Number	Description	Reqd.	Details
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REPLACEMENT ENGINES ▲

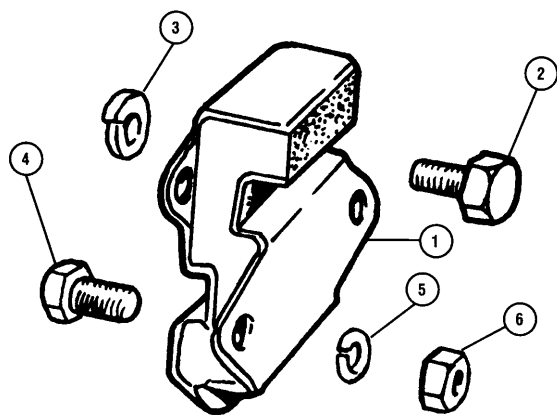
1	8G57E	ENGINE, 998cc, rebuilt	1	pre A+
Engine Units (Lead Free) Abbreviations for replacement engines: HC = High Compression, LC = Low Compression				
1	LBB10175N	ENGINE, 998cc, new	1	LC A+
	LBB10175E	ENGINE, 998cc, exchange	1	LC A+
	LBB10089N	ENGINE, 998cc, new	1	HC A+
	LBB10089E	ENGINE, 998cc, exchange	1	HC A+
2	LBB10399E	ENGINE, 1275cc, exchange	1	Cooper 1.3 & SE
	MT1101	ENGINE, 1293cc, exchange	1	A+
	MT1102	ENGINE, 1293cc, exchange	1	A series
	MT1103	ENGINE, 1380cc, exchange	1	A+
	MT1104	ENGINE, 1380cc, exchange	1	A series

Note: old units must be clean and in rebuild-able condition. Old units will be checked before refunding any surcharge. If you wish to convert lead free fuel, you will need to replace the distributor and re-set the ignition timing.

No.	Part Number	Description	Reqd.	Details
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Cylinder Block Components

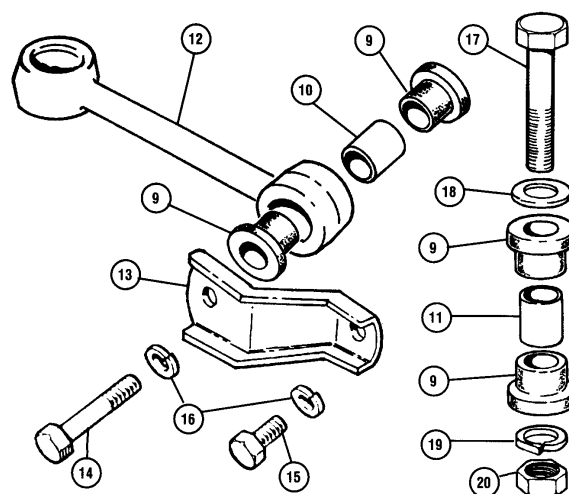
3	CAM150	STUD, cylinder head, long	4	
4	CAM151	STUD, cylinder head, short	5/4	qty reduced with TAM1617
	TAM1617	STUD, cylinder head	1	when coil bracket fitted
	TMG10864	STUD KIT, comp kit	1	9 studs & nuts (Kent Cams)
	MGS10864	STUD KIT, comp kit	1	11 studs & nuts (Kent Cams)
	AHT280	STUD KIT, comp kit	1	11 studs and nuts EN24 Nickel Chrome moly
5	2K8169	CORE PLUG, (1 5/8")	4	pre A+ models
	AEC876	CORE PLUG, (1 5/16")	5	all A+ models
	AEH592	CORE PLUG, 1.647	4	Cooper S
6	2K1345	PLUG, oil release	2	to 1985
	TAM2009	PLUG, oil release	2	1985 on
7	CHS2613	STUD, filter head to block	2	all 998cc models
	LYG10008	SCREW, filter head to block	2	Cooper 1300
	BH605301	BOLT, filter head to block	2	paper element
8	2A265	PLATE, fuel pump blanking	1	when fitting electric pump
9	2A113*	GASKET, fuel pump/blanking plate	1	
10	CHS2515	STUD, fuel pump	2	



No.	Part Number	Description	Reqd.	Details
	SH505071	BOLT, fuel pump/blanking plate	2	Cooper 1097
		(All models except vehicles prior to engine number 12a/15633. Also suitable for pre A+ engines if used with original type blanking plate).		
11	GHF332	WASHER, locking	2	
12	GHF201	NUT	2	
14a	2A54	COLLAR, main cap location	6	all 998cc models
14b	12G1268	DOWEL, main cap	6	Cooper 1300
15	1A1964	RESTRICTOR, camshaft oil feed	1	
16	12A1910	BOLT, main cap	6	all 998cc models
	12G1398	BOLT, main cap	6	Cooper 1300
17	6K927	LOCKTAB, main bearing	6	pre A+ 998cc only
	CMS1000	MAIN STRAP, centre 1000	1	main cap to be machined
		(Comes with longer high tensile bolts).		
	CMS1300	MAIN STRAP, centre 1300	1	main cap to be machined
		(Non S comes with longer high tensile bolts).		
18	53K2853	PLUG, blanking	1	
19	3H576	TAP block draining	1	alternative to 53K2853
20	6K638	WASHER	1	
21	12G619*	GASKET, front plate	1	without tensioner
	CAM4700B*	GASKET, front plate	1	with tensioner
22	GHF120	SCREW, front plate to main cap	2	998cc
	53K2016	SCREW, front plate to main cap	2	Cooper 1300
	AEA687	SCREW SET, front plate to main cap	2	when duplex fitted
23	GHF332	WASHER, locking	2	998cc
	WE600041	WASHER, locking	2	Cooper 1300
24	12G2506	TIMING COVER, pre tensioner	1	998cc pre A+
	CAM4904	TIMING COVER	1	998cc A+
25	CAM4640	TIMING COVER, pad type tensioner	1	998cc
	CAM4868	TIMING COVER, with breather	1	Cooper 1300
	LJR10168	TIMING COVER, with breather	1	91 on
26	12A956*	GASKET, timing cover	1	without tensioner
27	12G2625*	GASKET, timing cover	1	with tensioner
28	12A1148	OIL THROWER	1	
29	SH604031	SCREW, cover to front plate	6	
30	GHF300	WASHER	6	
31	GHF331	WASHER, locking	6	
32	GHF120	SCREW, cover to block	5	
33	GHF301	WASHER	5	
34	GHF332	WASHER, locking	5	
35	88G561*	OIL SEAL, timing cover	1	
	LUF10006	OIL SEAL, timing cover	1	
36	12A1212	TAPPET COVER, with breather	1	91 on
37	12A1386	TAPPET COVER, no breather	1	998cc models
38	12A1175*	GASKET, tappet cover	2	
39	BH605101	BOLT, tappets cover	2	
40	12A1177	CUP WASHER	2	
41	12A1176*	SEAL	2	
	MRC1980A*	SEAL	2	alternative to 12A1177 & 12A1176

*Note: Gaskets and seals marked are included in the gasket sets shown below.

GUG1543CS	GASKET SET, conversion	1	998cc pre A+
GUG1543CSZ	GASKET SET, conversion	1	998cc pre A+
GUG1509CS	GASKET SET, conversion	1	998cc A+
GUG701615CS	GASKET SET, conversion	1	1275
AJM206Z	GASKET SET, conversion	1	1275
GUG701619CS	GASKET SET, conversion	1	Cooper 1300
CCEP3A	ENGINE PAINT, BMC green	1	spray can



No.	Part Number	Description	Reqd.	Details
1	21A1902	ENGINE MOUNT, manual only	2	
	21A1902X	ENGINE MOUNT, easy fit	2	captive nuts
	21A1902P	ENGINE MOUNT, poly	2	
	22A2018	ENGINE MOUNT, auto	1	left hand side
	22A917	ENGINE MOUNT, auto	1	right hand side
2	SH605051	SCREW, fine,	3	mount to radiator bracket
	SH505061	SCREW, coarse	3	engine mount to fly wheel
3	GHF332	WASHER, locking	3	
4	GHF120	SCREW, mounting to subframe	4	
5	GHF332	WASHER, locking	4	
6	GHF201	NUT	4	not required when using 21A1902X

ENGINE MOUNTINGS ▲

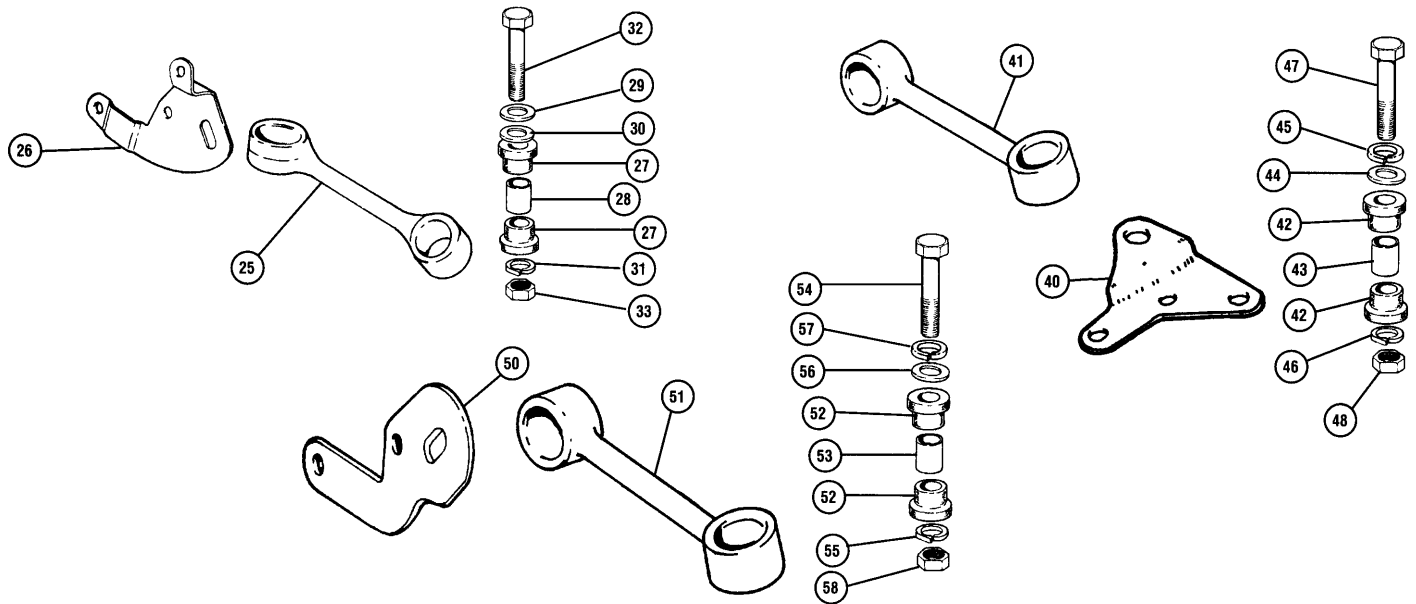
AUXILIARY ENGINE STABILISERS

A range of auxiliary engine stabilisers and up-rated steady bar bushes are available, please see accessories for details.

GAC8414X	ENG. STABILISER, thermostat, bulkhead	1	1275 rhd to 90
	(Only fits thermostat housing not thermostat housing and sandwich plate, gives ultimate engine stabilisation).		
GAC8414SX	ENG. STABILISER, thermostat, bulkhead	1	1275 rhd S/S to 90
	(Only fits thermostat housing not thermostat housing and sandwich plate, gives ultimate engine stabilisation).		
EL59	ENG. STABILISER, thermostat, bulkhead	1	1275 inj rhd spi
	(Gives ultimate engine stabilisation (not mpi)).		
EL60	ENG. STABILISER, thermostat, bulkhead	1	1275 inj rhd S/S spi
	(Gives ultimate engine stabilisation (not mpi)).		
GAC8415X	ENG. STABILISER, thermostat, bulkhead	1	850 - 1098 rhd
	(Gives ultimate engine stabilisation).		
GAC8415SX	ENG. STABILISER, thermostat, bulkhead	1	850 - 1098 rhd S/S
	(Gives ultimate engine stabilisation).		
GAC8444X	ENG. STABILISER, thermostat, bulkhead	1	1275 lhd
	(Gives ultimate engine stabilisation).		
GAC8445X	ENG. STABILISER, thermostat, bulkhead	1	850 - 1098 lhd
	(Gives ultimate engine stabilisation).		

TOP STEADY BAR ▲

9	CRC5329	BUSH, steady bar	4	
	C-STR630	BUSH SET, steady bar H/D	1	
	C-STR630P	BUSH SET, steady bar, poly	1	
10	21A1108	SLEEVE, spacer in bush	1	steady bar to block
11	31G1085	SLEEVE, spacer in bush	1	steady bar to bulkhead
12	21A1109	STEADY BAR	1	
	KAD3283	STEADY BAR	1	alloy adjustable
13	21A2387	BRACKET, steady bar to block	1	
14	BH505181	BOLT, long, bracket to block	1	
15	SH505051	SCREW, short, bracket to block	1	
16	GHF332	WASHER, locking	2	
17	BH606181	BOLT, steady bar to bulkhead	1	
18	GHF302	WASHER, plain	1	
19	GHF333	WASHER, locking	1	
20	GHF202	NUT	1	



No. Part Number Description Req'd. Details

LOWER NEAR SIDE REAR BAR ▲

25	21A2569	STEADY BAR	1	
26	21A2763	BRACKET, gearbox	1	
27	CRC5329*	BUSH, steady bar	4	
28	31G1085*	SLEEVE, spacer in bush	2	
29	PWZ306*	WASHER, large plain	3	
30	GHF302*	WASHER, plain	2	
31	GHF333*	WASHER, locking	2	
32	BH606181*	BOLT,	2	steady bar to bracket & sub-frame
33	GHF202*	NUT	2	

LOWER OFF SIDE REAR ▲

40	21A2785	BRACKET, on clutch housing	1	
41	21A2787	STEADY BAR	1	
	21A2787K	STEADY BAR KIT	1	
42	CRC5329*	BUSH, steady bar	4	
43	31G1085*	SLEEVE, spacer in bush	2	
44	PWZ306*	WASHER, large, plain	3	
45	GHF302*	WASHER, plain	2	
46	GHF333*	WASHER, locking	2	
47	BH606181*	BOLT,	2	steady bar to bracket & sub-frame
48	GHF202*	NUT, Nyloc	2	

LOWER OFF SIDE FRONT ▲

50	NAM3760	BRACKET, on clutch housing	1	998 models
	KKU10080	BRACKET, on clutch housing	1	1300 models
51	FAM2758	STEADY BAR	1	998 models
	KKH10013	STEADY BAR	1	1300 models
52	CRC5329*	BUSH, steady bar	4	
53	31G1085*	SLEEVE, spacer in bush	2	
54	BH606181*	BOLT,	2	steady bar to bracket & sub-frame
55	GHF333*	WASHER, locking	2	
56	PWZ306	WASHER, large	1	
57	GHF302	WASHER, plain	1	
58	GHF202*	NUT	2	

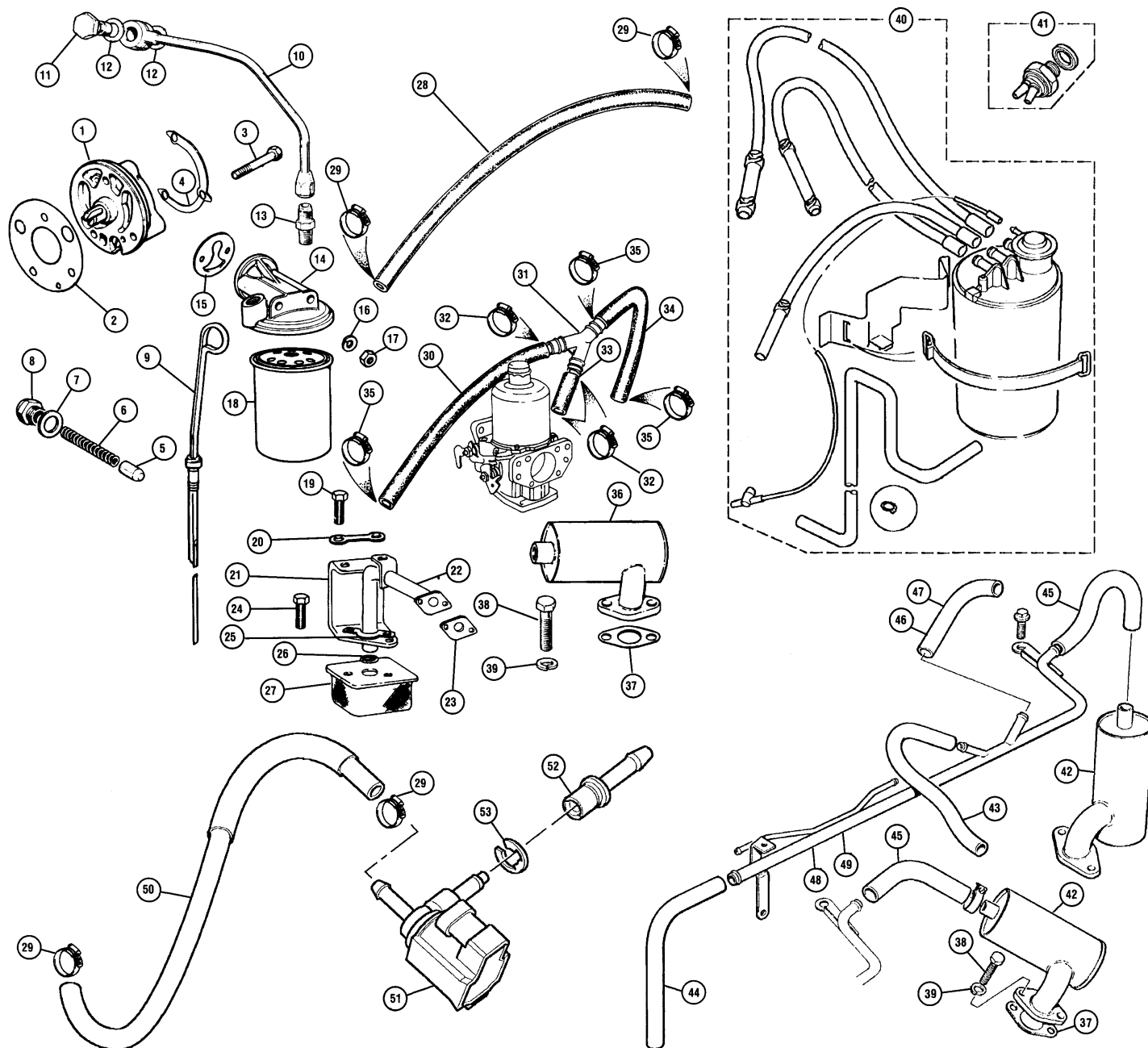
*Note: These items are the same for both ends of the steady bar.

OIL CONTROL ►

1	GLP142	OIL PUMP, pin drive	1	998cc pre A+
	GLP142Z	OIL PUMP, pin drive	1	998cc pre A+
	GLP139	OIL PUMP, slot drive	1	Cooper 1300
	GLP138	OIL PUMP, slot drive	1	998cc A+
	GLP110X	OIL PUMP, slot drive	1	turbo

No. Part Number Description Req'd. Details

2	12G730	GASKET, oil pump	1	
	GUG705560GM	GASKET, oil pump	1	
3	BH604141	BOLT, oil pump	3	998cc
	TAM1174	BOLT, oil pump	4	998cc
4	12G926	LOCK WASHER, pin drive pumps	1	
5	12H865	VALVE, oil release	1	
	12H865X	VALVE BALL, oil release	1	no more sticking valves
6	6K853	SPRING, oil valve	1	
	6K853C	SPRING, oil valve	1	use with 12H865X
7	6K431	WASHER, copper	1	
8	12A1851	CAP, oil pressure release valve	1	
9	12A116	DIPSTICK	1	pre A+
	LQM100380	DIPSTICK	1	A+ without tube
	GAC8457X	DIPSTICK, blue	1	A+
	GAC8458X	DIPSTICK, red	1	A+
10	TAM2106	OIL PIPE, block to filter	1	Cooper, no oil cooler
	MT1501	OIL PIPE, block to filter, braided	1	12a 90 on
	MT9101	OIL PIPE, block to turbo	1	braided oil feed pipe
	MT9101	OIL PIPE, block to oil gauge	1	braided oil feed pipe
	OCHK100	OIL PIPE KIT, rubber	1	oil cooler pipe kit to 79
	OCHK102	OIL PIPE KIT, stainless steel	1	oil cooler pipe kit to 79
	OCHK103	OIL PIPE KIT, rubber	1	oil cooler pipe kit 79 - 84
	OCHK104	OIL PIPE KIT, stainless steel	1	oil cooler pipe kit 79 - 84
	OCHK105	OIL PIPE KIT, rubber	1	oil cooler pipe kit 85 on
	OCHK105	OIL PIPE KIT, stainless steel	1	oil cooler pipe kit 85 on
	OCHK101	OIL PIPE KIT	1	oil cooler pipe kit clubman
11	2A715	BANJO BOLT, oil pipe to block	1	
12	AED172	WASHER, sealing	2	
	LZB10017	OLIVE SEAL	2	collapsible olive seal
		(For standard metal injection oil feed pipe).		
13	TAM2119	ADAPTOR, oil pipe to housing	1	
14	TAM2097	HOUSING, filter head	1	
15	12A2035	GASKET, filter housing to block	1	
16	GHF333	WASHER, locking	2	
17	GHF202	NUT	2	
18	GFE103	OIL FILTER, element	1	early
	GFE148	OIL FILTER, canister	1	to 1985
	GFE166	OIL FILTER, canister	1	85 on 998 & Cooper 1300
	GFE21	OIL FILTER, canister, improved	1	premium filter, all models
	GFE280	OIL FILTER, canister	1	mpi 96 on
	GFE104	OIL FILTER, element	1	auto
19	GHF101	SCREW, bracket to g/box case	2	
20	22A1365	LOCK TAB	1	
21	22A343	BRACKET, oil pipe support	1	
22	22G1150	PIPE, oil suction	1	
	GAC8448X	PIPE, oil suction	1	
		(Central pick up required too ensure constant oil delivery under cornering).		
23	22A542	GASKET, pipe to gearbox case	1	
24	SH604031	SCREW, strainer to bracket	2	
25	22A388	LOCK TAB	1	
26	22A341	O RING	1	
27	22A335	STRAINER, oil suction	1	



No.	Part Number	Description	Reqd.	Details
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BREATHER HOSE & FITTINGS ▲ 998cc Models

28	12A1735	HOSE, breather, tappet	1	chest to carburettor
29	GHC507	CLIP, large, hose	1	to tappet chest
	GHC406	CLIP, small, hose	1	to carb

Cooper 1300 & SE Models

30	12A1735	HOSE, breather	1	t/cover to 'Y' piece
31	12G2134	'Y' PIECE	1	
32	GHC406	CLIP, hose	3	
33	LLH10056	HOSE, breather,	1	'Y' piece to carb
34	LLH10057	HOSE, breather,	1	'Y' piece to oil separator
35	GHC507	HOSE CLIP	1	
36	LLC10047	OIL SEPARATOR	1	flywheel housing
37	GUG705551GM	GASKET, oil separator	1	
38	SH505061	SCREW, oil separator	1	to flywheel housing
39	GHF332	WASHER, locking	2	
	GHF201	NUT	1	
	TE505091	STUD, separator on housing	1	
40	WTB100760	CANISTER CHARCOAL	1	for carburettor minis

(Charcoal canister and bracket assembly).

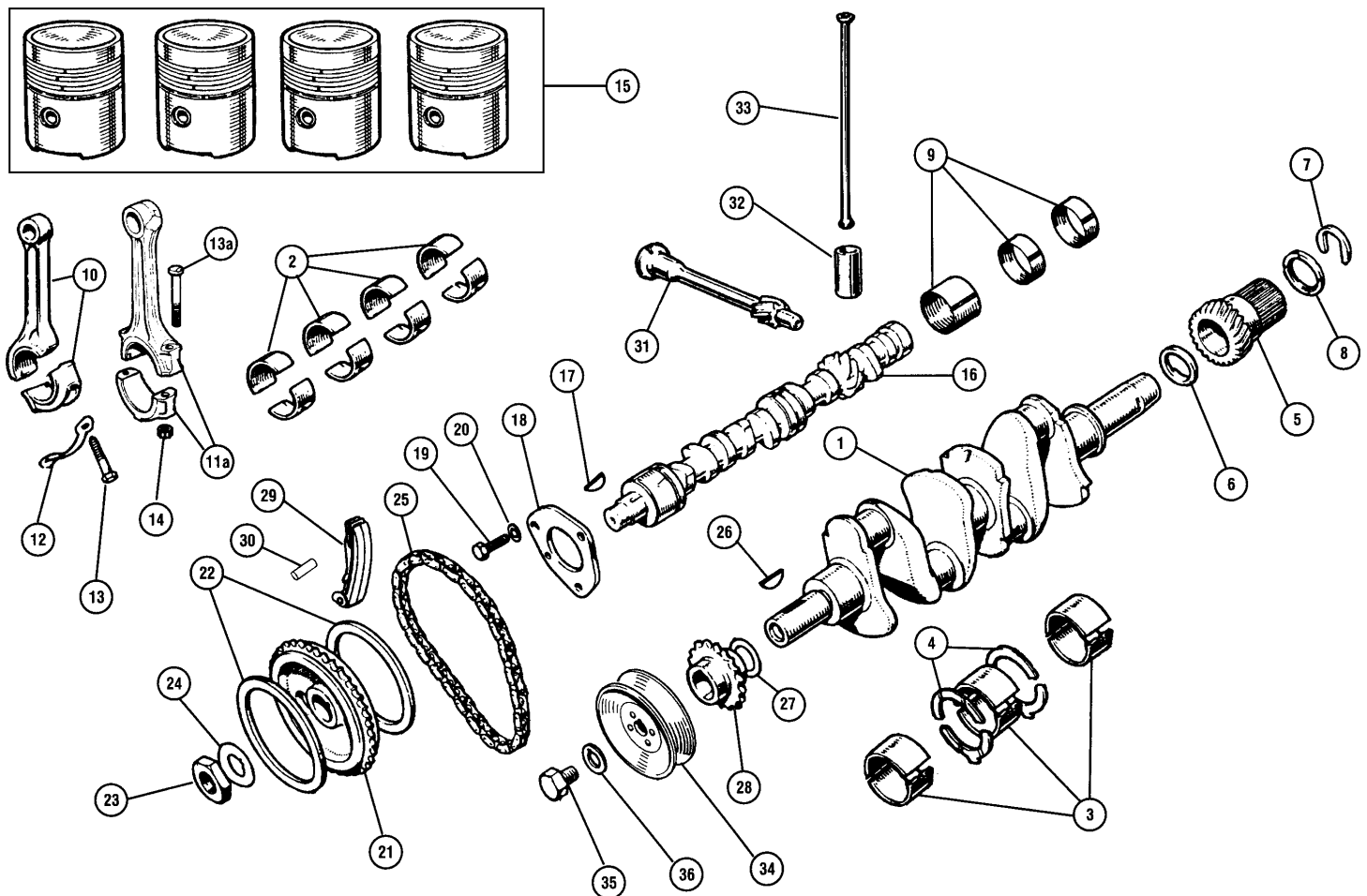
No.	Part Number	Description	Reqd.	Details
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41	MAQ10008	SWITCH, carburettor vacuum	1	thermostatically controlled
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Note: there are three types of oil separator fitted to the Mini, if you require one of the types not shown, please contact your local branch.

Injection Models

42	LLC10051	OIL SEPARATOR	1	auto and MPI
43	LLH10082	HOSE, breather	1	metal rail to throttle body
44	LLH10132	HOSE, breather	1	metal rail to timing cover
45	LLH10135	HOSE, breather	1	metal rail to clutch cover
46	LLH102240	HOSE, breather	1	metal rail to throttle body
				top inlet mpi
47	LLH101830	HOSE, breather	1	metal rail to throttle body
				top inlet spi
48	LLP10026	PIPE, metal	1	
		(Metal supply pipe to hoses runs behind rocker cover box spi).		
49	LLP100300	PIPE, metal	1	
		(Metal supply pipe to hoses runs behind rocker cover box mpi).		
50	MAH10035	HOSE	1	hose to purge valve
51	AUU1503	PURGE VALVE	1	
52	JZV1223	TUBE PLASTIC, purge valve	1	
53	JZV1224	CLIP, purge valve tube	1	



No.	Part Number	Description	Reqd.	Details
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INTERNAL ENGINE COMPONENTS ▲

1	8G2733	CRANKSHAFT	1	998cc to 1984
	8G2733R	CRANKSHAFT	1	998cc to 1984 inc. bearings
	BHM1436	CRANKSHAFT	1	998cc 1985 on
	12A1451	CRANKSHAFT	1	998cc (colour coded)
	CAM6232	CRANKSHAFT	1	Cooper 1300
	BBB5554	CRANK, balanced	1	Cooper 1300, Tuftrided & supplied with shells

Note: these crankshafts are also available on an exchange basis, they are supplied with bearings & thrust washers to the appropriate size. Please refer to our price guide.

2	8G2198	BEARING SET con rod, std	1	
	8G2198/10	BEARING SET con rod, 0.010"	1	
	8G2198/20	BEARING SET con rod, 0.020"	1	998cc
	8G2198/30	BEARING SET con rod, 0.030"	1	
	8G2198/40	BEARING SET con rod, 0.040"	1	
	8G2553	BEARING SET con rod, std	1	
	8G2553/10	BEARING SET con rod, 0.010"	1	
	8G2553/20	BEARING SET con rod, 0.020"	1	Cooper 1300
	8G2553/30	BEARING SET con rod, 0.030"	1	
	8G2553/40	BEARING SET con rod, 0.040"	1	
3	8G2332	BEARING SET, main, std	1	
	8G2332/10	BEARING SET, main, 0.010"	1	998cc A & A + to 1984
	8G2332/20	BEARING SET, main, 0.020"	1	locating lip on
	8G2332/30	BEARING SET, main, 0.030"	1	both halves
	8G2332/40	BEARING SET, main, 0.040"	1	

No.	Part Number	Description	Reqd.	Details
	BHM1573	BEARING SET, main, (std)	1	998cc A + from 1984
	BHM1573/10	BEARING SET, main (0.010")	1	these bearings
	BHM1573/20	BEARING SET, main (0.020")	1	were used until the
	BHM1573/30	BEARING SET, main (0.030")	1	introduction of
	BHM1573/40	BEARING SET, main (0.040")	1	colour coding
	LEB10001CN	BEARING, upper/red	3	998cc (Not Sets) engine No:
	LEB10002CN	BEARING, lower/red	3	99HD81/105361 on
	LEB10001HE	BEARING, upper/green	3	99HE20/111592 on
	LEB10002HE	BEARING, lower/green	3	99HE21/102215 on
	LEB10001FM	BEARING, upper/yellow	3	99HE22/104631 on
	LEB10002FM	BEARING, lower/yellow	3	99H F15-F16-F32-G30
	CDU4062	BEARING, upper/red	3	G31-G32-G33-G34-G39
	CDU4065	BEARING, lower/red	3	
	CDU4063	BEARING, upper/green	3	
	CDU4063/10	BEARING, upper/green+0.010"	3	Cooper 1300 (Not Sets)
	CDU4066	BEARING, lower/green	3	
	CDU4066/10	BEARING, lower/green+0.010"	3	
	CDU4064	BEARING, upper/yellow	3	
	CDU4067	BEARING, lower/yellow	3	
4	BHM1292	THRUST WASHER SET (4) std	1	
	BHM1292/3	THRUST WASHER SET (4) 0.003"	1	all 998cc models
	BHM1292/10	THRUST WASHER SET (4) 0.010"	1	
	BHM1292/30	THRUST WASHER SET (4) 0.030"	1	
	BHM1293	THRUST WASHER SET (4) std	1	
	BHM1293/03	THRUST WASHER SET (4) 0.003"	1	Cooper 1300
	BHM1293/30	THRUST WASHER SET (4) 0.030"	1	
5	22A1493	PRIMARY GEAR, 24 teeth	1	998cc pre A+

No.	Part Number	Description	Reqd.	Details
	DAM8888	PRIMARY GEAR, 29 teeth	1	998cc A+
	22G1053	PRIMARY GEAR, 24 teeth	1	1275 pre A+
	DAM8890	PRIMARY GEAR, 29 teeth	1	Cooper 1300
	CSTR122	PRIMARY GEAR, 22 teeth (Use with EVO idler CSTR30/A/T/TA and input CSTR230/240/250).	1	1275 straight cut EVO
	CSTR123	PRIMARY GEAR, 23 teeth (Use with EVO idler CSTR30/A/T/TA and input CSTR230/240/250).	1	1275 straight cut EVO
	CSTR124	PRIMARY GEAR, 24 teeth (Use with EVO idler CSTR30/A/T/TA and input CSTR230/240/250).	1	1275 straight cut EVO

Note: EVO drop gears are interchangeable to give different ratios. Easier than changing diff ratios.

5A	22G109	BUSH REAR, primary gear	1	
	DAM8887	BUSH FRONT, primary gear	1	small bore
	DAM8889	BUSH FRONT, primary gear	1	large bore
	DAM8889X	BUSH FRONT, primary gear	1	large bore floating
	MRAC104	DROP GEARS S/C, straight cut set	1	1-1 ratio 1275 A+
	MRAC105	DROP GEARS S/C, straight cut set	1	1-1 ratio 1275 A
6	22A321	THRUST WASHER (0.110/0.112")	1	
	22A322	THRUST WASHER (0.112/0.114")	1	
	22A323	THRUST WASHER (0.114/0.116")	1	all 998cc models
	22A324	THRUST WASHER (0.116/0.118")	1	
	22A450	THRUST WASHER (0.118/0.120")	1	
	DAM6490	THRUST WASHER (0.112/0.114")	1	
	DAM6486	THRUST WASHER (0.114/0.116")	1	
	DAM6487	THRUST WASHER (0.116/0.118")	1	Cooper 1300
	DAM6488	THRUST WASHER (0.118/0.120")	1	
	DAM6489	THRUST WASHER (0.120/0.122")	1	
7	22A319	'C' CLIP, primary gear retainer	1	
8	88G549	THRUST WASHER, rear	1	
9	BHM1211	BEARING SET, camshaft*	1	all 998cc models
	BHM1210	BEARING SET, camshaft*	1	Cooper 1300
		(*998cc engines use 1 bearing, 1300cc engines use 3 bearings).		
10	12G123	CON ROD, numbers 2 & 4	2	998cc with
	12G126	CON ROD, numbers 1 & 3	2	'floating' gudgeon pin
	12A1997	CON ROD, numbers 2 & 4	2	998cc A+ with
	12A1999	CON ROD, numbers 1 & 3	2	'press fit' gudgeon pin
11	BHM1137	CON ROD, (set of 4)	1	Cooper 1300
	AEG624	CON ROD, single	4	Cooper S 1.625 big ends
12	2A660	LOCK TAB	4	pre 998cc +
13	12G2217	BOLT, big end	8	
	CAM6126	BOLT, big end	8	998cc A+
13a	LFH10006	BOLT, big end	8	Cooper 1300
	MG510880	BOLT, big end comp set	1	uprated spec 1275 non S
	CAEG519	BOLT, big end "S" (Torque up to 40-42lbs ft.).	8	hi grade replacement
14	CAM6263	NUT, big end bolt	8	Cooper 1300
15	CPS1009	PISTON SET, (8.3:1 CR)	1	998cc, 4 ring,
	CPS1008	PISTON SET, (10.3:1 CR)	1	circlip pin
	CPS1011	PISTON SET, (8.3:1 CR), dished	1	998cc, 3 ring
	CPS1010	PISTON SET, (10.3:1 CR), flat	1	circlip pin
	CPS1012	PISTON SET, (10.3:1 CR), flat	1	998cc, 3 ring
	CPS1012/20	PISTON SET, + 20 (10.3:1 CR), flat	1	998cc, 3 ring +20
	CPS1013	PISTON SET, (8.3:1 CR), dished	1	press fit pin
	CPS1314	PISTON SET, (10.1:1 CR)	1	Cooper 1300
	CAJJ3382/20	PISTON, flat top +20	4	1275 sold singular
	CAJJ3382/40	PISTON, flat top +40	4	1275 sold singular
	CAJJ3382/60	PISTON, flat top +60	4	1275 sold singular
	CAJJ3378/20	PISTON, 6.5 dish +20	4	1275 sold singular
	CAJJ3378/40	PISTON, 6.5 dish +40	4	1275 sold singular
	CAJJ3378/60	PISTON, 6.5 dish +60	4	1275 sold singular
	CAJJ3379/20	RING SET, +20	1	for 3382/3378 +20 pistons
	CAJJ3379/40	RING SET, +40	1	for 3382/3378 +40 pistons
	CAJJ3379/60	RING SET, +60	1	for 3382/3378 +60 pistons

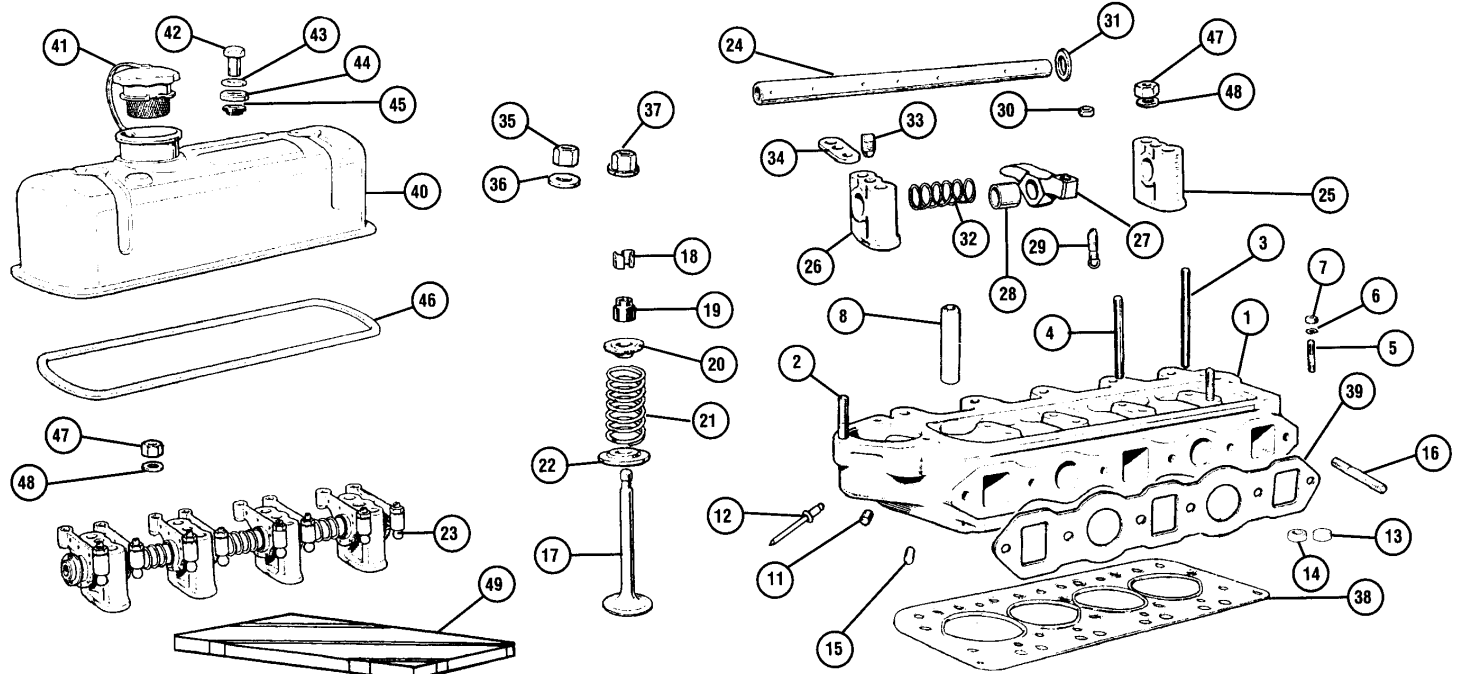
Note: pistons are only available in sets of 4. Oversize pistons are also available. Find the standard size part number listed above in the price guide and you will find all sizes & prices. Due to the variance in piston manufacturers we do not supply piston rings.

16	8G712	CAMSHAFT, pin drive	1	998cc pre A+
	CAM6267	CAMSHAFT, slot drive (Engine codes: 99H/B83P/B85P/D83P/E22).	1	998cc A+
	CAM4717	CAMSHAFT, slot drive (Engine codes: 99H/B81P/B82P/D80P/D81P).	1	998cc A+
	CAM6648	CAMSHAFT, slot drive	1	Cooper 1300
	KMD266S	CAMSHAFT, fast road, star drive	1	smooth idle in 1275+
	KMD276S	CAMSHAFT, road/rally, star drive (Very good street cam).	1	slightly lumpy idle in 1275

No.	Part Number	Description	Reqd.	Details
	KMD286S	CAMSHAFT, rally, star drive (Max street cam).	1	slightly lumpy idle in 1275
	KMD296S	CAMSHAFT, race, star drive	1	1380+
	KMD310S	CAMSHAFT, full race, star drive	1	lumpy idle in 1380
	KMD266KS	CAMSHAFT KIT, fast road, star drive	1	smooth idle in 1275+
	KMD266M	CAMSHAFT, fast road, slot (metro) drive	1	smooth idle in 1275+
	KMD276M	CAMSHAFT, road/rally, slot (metro) drive (Very good street cam).	1	slightly lumpy idle in 1275
	KMD286M	CAMSHAFT, rally, slot (metro) drive (max street cam).	1	slightly lumpy idle in 1275
	KMD296M	CAMSHAFT, race, slot (metro) drive	1	1380+
	KMD266P	CAMSHAFT, fast road, pin drive	1	smooth idle in 1275+
	KMD276P	CAMSHAFT, road/rally, pin drive (Very good street cam).	1	slightly lumpy idle in 1275
	KMD286P	CAMSHAFT, rally, pin drive (Max street cam).	1	slightly lumpy idle in 1275
	KMD296P	CAMSHAFT, race, pin drive	1	1380+
	KMD286SPS	CAMSHAFT, scatter, star drive (Max street cam).	1	slightly lumpy idle in 1275
	KMD296SPS	CAMSHAFT, scatter, star drive	1	1380+
	KMD310SPS	CAMSHAFT, scatter, star drive	1	lumpy idle in 1380
	KMD286SPM	CAMSHAFT, scatter, metro drive (Max street cam).	1	slightly lumpy idle in 1275
	KMD296SPM	CAMSHAFT, scatter, metro drive	1	1380+
	KMD310SPM	CAMSHAFT, scatter, metro drive	1	lumpy idle in 1380
17	WKN505	KEY, cam gear locating	1	
	MSG108251	KEY, cam gear locating	1	1° offset
	MSG108252	KEY, cam gear locating	1	2° offset
	MSG108253	KEY, cam gear locating	1	3° offset
	MSG108254	KEY, cam gear locating	1	4° offset
	MSG108255	KEY, cam gear locating	1	5° offset
	MSG108256	KEY, cam gear locating	1	6° offset
	MSG108257	KEY, cam gear locating	1	7° offset
	MSG108258	KEY, cam gear locating	1	8° offset
	MSG108259	KEY, cam gear locating	1	9° offset
		(These offset keys make getting the best out of your camshaft easier. Please see manufacturers data for correct timing figures).		
18	AHU2379	PLATE, camshaft locating	1	
19	GHF117	SCREW, plate retaining	3	all 998cc models
20	GHF321	WASHER, locking	3	
21	2A85	GEAR, camshaft	1	
	12G4337	GEAR, camshaft	1	998cc A+ & Cooper 1300
	CAJJ3323	DUPLEX KIT, cast	1	quieter than simplex gears
	CAJJ3324	DUPLEX KIT, cast lightened	1	fast road
	CAJJ3325	DUPLEX KIT, steel lightened	1	road/race
	CAJJ3327	DUPLEX KIT, adjustable steel	1	race
	TMG10828	DUPLEX KIT, vernier adjustable	1	Kent Cams kit
	CAJJ3328	DUPLEX KIT, adjustable belt	1	race
	BELTBELT	BELT, replacement timing belt	1	
	BEATSEAL1	SEAL, small seal	1	crank to timing housing
	BEATSEAL2	SEAL, large seal	1	camshaft to timing housing
22	8G549	RING, tensioner rubber	1	use with 2A85

Note: camshaft gear 2A85 is no longer available. If you require a new gear you must purchase the later type 12G4337, although it is possible to replace the rubber damper rings 8G549.

23	6K629	NUT, camshaft	1	
24	2A759	LOCK TAB, camshaft	1	
25	3H2127	TIMING CHAIN, simplex	1	
	2H4905	TIMING CHAIN, duplex	1	
26	6K836	KEY, crank gear	1	
27	6K628	SHIM, crank gear	a/r	
28	8G725	SPROCKET, crankshaft	1	
29	12G2621	TENSIONER, timing chain	1	A+
30	12G2629	PIN, tensioner pivot	1	A+
31	12G4499	SPINDLE, distributor drive	1	998cc pre A+
	12G3560	SPINDLE, distributor drive	1	998cc A+ & Cooper 1300
32	2A13	CAM FOLLOWER	8	
	TMG10709	CAM FOLLOWER, lightened	8	40 gram with oil drain hole
33	2A14	PUSH ROD	8	all 998cc
	AEG314	PUSH ROD	8	Cooper 1300
34	CAM6323	PULLEY, crank, no damper	1	998cc pre A+
	AHU1878	PULLEY, crank, with damper	1	998cc A+ & Cooper 1300
35	AEA312	BOLT, crankshaft pulley	1	998cc pre A+
	TAM2019	BOLT, crankshaft pulley	1	998cc A+ & Cooper 1300
36	12A398	LOCK TAB, crankshaft pulley	1	998cc pre A+
	TAM2020	LOCK TAB, crankshaft pulley	1	998cc A+ & Cooper 1300



No.	Part Number	Description	Reqd.	Details
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CYLINDER HEAD COMPONENTS ▲

1	12A1455	CYLINDER HEAD, new, bare	1	998cc pre A+
	CAM6812	CYLINDER HEAD, new, bare	1	998cc HC A+
	TAM2168	CYLINDER HEAD, new, bare	1	998cc HC lead free A+
	LDF10213	CYLINDER HEAD, new bare	1	Cooper 1300 lead free A+
	MT1110	CYLINDER HEAD, 16v twin cam, road	1	1275cc
	MT1109	CYLINDER HEAD, 16v twin cam, race	1	1275cc Cooper S and A+
	MT1108	ENGINE MANAGEMENT KIT	1	Race spec
	MT1107	INSTALLATION KIT	1	
(Contains radiator hoses, top radiator bracket, exhaust manifold and system, clutch breather pipe, alternator pulley and modified fibreglass bonnet for cam pulley and inlet system clearance).				
	MT3108	WEBER DCOE KIT	1	
	AHT347	CYLINDER HEAD, new bare	1	alloy head casting with improved water jackets
	CAHT347LOAD	CYLINDER HEAD, new (As above but supplied with 33mm and 29mm valves and springs installed).	1	alloy head
	GCG1001A	CYLINDER HEAD ASSEMBLY, recon	1	all 998cc
	GCG1007	CYLINDER HEAD ASSEMBLY, recon	1	all 998cc unleaded
	GCG1009	CYLINDER HEAD ASSEMBLY, recon	1	all 1275cc unleaded
	TMG10802	CYLINDER HEAD ASSEMBLY, Stage 2	1	1275 unleaded
	TMG10803B	CYLINDER HEAD ASSEMBLY, Stage 3	1	1275 unleaded
	TMG10824B	CYLINDER HEAD ASSEMBLY Stage 4	1	1275
2	CHS2515	STUD, thermostat housing	3	998cc models
	CHS2524	STUD, thermostat housing	3	Cooper 1300
3	51K885	STUD, rocker cover (long)	2	
4	CHS522	STUD, rocker post (short)	2	
5	53K402	STUD, heater valve	2	
6	GHF331	WASHER, locking	2	998cc models
7	GHF200	NUT	2	
	TAM1368	SCREW, heater outlet	2	all models 1989 on
8	12G1111	VALVE GUIDE	8	all models
	12G1963	VALVE GUIDE, tapered nose	8	all models
	TMG10819	VALVE GUIDE, bronze	1 set	for use with S/S valves
11	6K808	PLUG, brass, oil hole	1	998cc pre A+
12	RU612123	RIVET, oil hole	1	998cc A+
	CDU2601	RIVET, oil hole	1	
13	12G2092	PLUG, water hole	3	
14	AEA771	PLUG, water hole	2	
15	12G3503	PLUG, head cleaning	2	

No.	Part Number	Description	Reqd.	Details
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16	53K487	STUD, manifold	6	all models
	AMS1	STUDS SET, manifold	1	stainless steel
Valve Gear				
998cc Models				
17	CAM6391	VALVE, inlet	4	99H353EH302624
	CAM6391Z	VALVE, inlet	4	
	12G3034	VALVE, inlet	4	31mm 998 Cooper & 1098
	12A1987	VALVE, exhaust	4	99H353EL291101
18	88G459	COTTER, valve cap retainer	16	99H353PH824
20	88G616	CAP, valve	8	99H503RH19766
21	AEA311	VALVE SPRING	8	
22	CAM6520	SHIM, valve spring	8	99H791P?* TO 538152

*Note: question mark indicates an unknown introduction point.

17	CAM6502	VALVE, inlet	4	99H791P538153 on
	CAM6505	VALVE*, exhaust, lead free	4	99H997P/100/101
	CAM6503	VALVE, exhaust	4	99H998P/100101
19	ADU4905	SEAL, valve guide	8	99HA53P100101 - 110783
18	88G459	COTTER	16	99HA941100101 - 100997
20	88G617	CAP, valve	8	99HA97100101 - 100427
21	12G1015	VALVE SPRING	8	

*Note: exhaust valve CAM6503 was only fitted on these engines; 99H791P 538153 on, and 99HA97P100101 to 100427.

17	TAM1062	VALVE, inlet	4	
	CAEG588	VALVE, inlet 31.7 mm	4	high flow 850 - 1098
	TAM1770	VALVE, exhaust	4	99HA539P 110784 on
	CAEG587	VALVE, exhaust 26.5 mm	4	high flow 850 - 1098
19	ADU4905	SEAL, valve guide	8	99HA94P 100998 on
18	CAM6975	COTTER, valve cap retainer	16	99HA97P 100428 on
20	AHU1897	CAP, valve	8	+ for engine no codes;
21	12G1015	VALVE SPRING	8	B83, B84, B85, D83,
	AEA311	VALVE SPRING	8	E22, G31

Valve Gear Cooper 1300 Models

17	TAM1058	VALVE, inlet	4	33mm lead free
	AEG592	VALVE, inlet	4	35mm

No.	Part Number	Description	Reqd.	Details
	TAM1061	VALVE, exhaust	4	
	TAM1061Z	VALVE, exhaust	4	
	CAEG569	VALVE, inlet 33.3 mm	4	high flow 1275
	CAEG544	VALVE, inlet 35.6 mm	4	high flow 1275
	CAHT55	VALVE, inlet 37.2 mm	4	high flow 1275
	CAHT110	VALVE, inlet 37.7 mm	4	high flow 1275
	MST2021	VALVE, inlet 35.6 mm	4	rimflo comp 1275
	MST2022	VALVE, inlet 36.57 mm	4	rimflo comp 1275
	CAEG106	VALVE, exhaust 29.4mm	4	high flow 1275
	CAEG107	VALVE, exhaust 31.0 mm	4	high flow 1275
	MST2011	VALVE, exhaust 29 mm	4	rimflo comp 1275
	MST2012	VALVE, exhaust 31 mm	4	rimflo comp 1275
19	ADU4905	SEAL, valve stem	8	
18	CAM6975	COTTER	16	
	88G459	COTTER	16	high flow valves
20	AHU1897	CAP, valve	8	
	TMG10816	TOP CAPS SET, alloy	8	half the weight of steel
21	12G1015	SPRING VALVE	8	
	TMG10807	SPRING SET, dual spring set	1	road use
	TMG10808	SPRING SET, dual spring set	1	race use

Note: original rockers are now no longer available, they were either cast (2A533) or pressed steel (2A964). They can be replaced by either a sintered steel rocker (CAM289) or forged rocker (12G1221). It is advisable to replace in sets due to the difference in weight when compared with the original rocker.

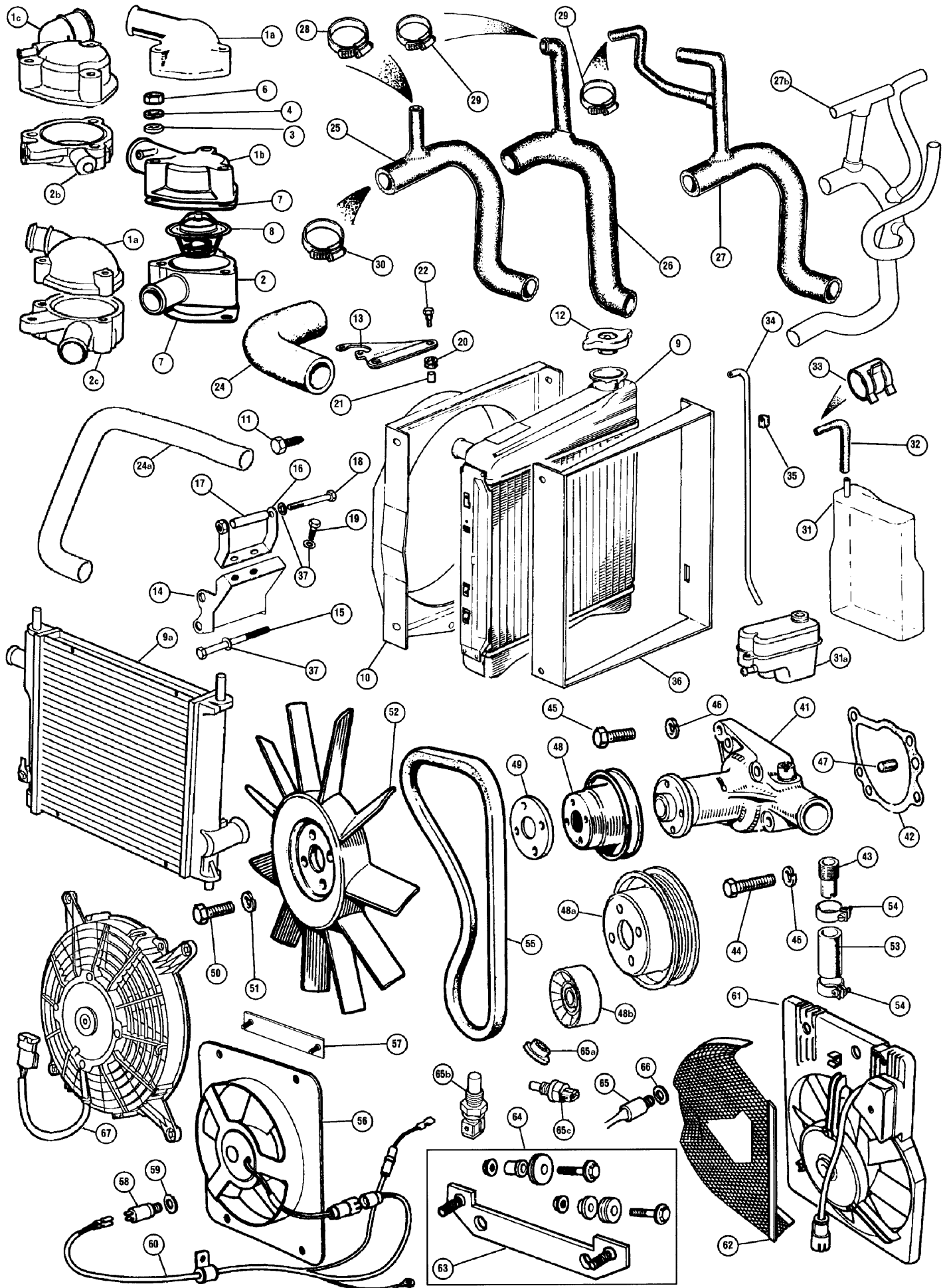
23	12A1950K	ROCKER ASSEMBLY, rebuilt	1	
	CAHT436	ROCKER ASSEMBLY, high lift 1.5	1	1275 EN16 drop forged 1.5 ratio
	AHT437	ROCKER ASSEMBLY, roller rockers	1	1275 1.3 ratio
	AHT438	ROCKER ASSEMBLY, roller rockers	1	1275 1.5 ratio
	TMG10848	ROCKER ASSEMBLY, roller rockers	1	1275 1.5 ratio
	AHT439	ROCKER ASSEMBLY, roller rockers	1	850-1098 1.3 ratio
	AHT440	ROCKER ASSEMBLY, roller rockers	1	850-1098 1.5 ratio
24	12A1950	SHAFT, rocker	1	
	TMG10817	SHAFT, rocker	1	tuftride shaft
25	12G1926	POST, rocker, (with oil feed)	3	post nos. 1, 3 & 4
26	12G1927	POST, rocker (tapped)	1	post no 2
27	CAM289	ARM, rocker, sintered	8	998cc A+ & Cooper 1300
	12G1221	ARM, rocker, forged	8	not illustrated
28	2A21	BUSH, rocker arm	8	
29	12A1215	SCREW, adjusting	8	use with 2A964/2A533
	AEG167	SCREW, adjusting	8	use with 12G1221
	12H3376	SCREW, adjusting	8	use with CAM289
30	6K654	NUT, adjuster locking	8	use with 2A964/2A533
	NT606061	NUT, adjuster locking	8	use with 12G1221
	51K1178	NUT, adjuster locking	8	use with CAM289
31	6K555	SPACER WASHER	A/R	
32	6K556	SPRING, rocker spacing	3	
	CAEG392	SPACER SET ROCKER, solid	1	
33	2A258	PEG, rocker shaft locating	1	
34	2A515	PLATE, rocker shaft peg locating	1	
35	51K1193	NUT, cylinder head	9	pre A+ engines
36	GHF302	WASHER	9	
37	CAM4545	NUT, cylinder head	9	A+ engines
38	TAM2121	GASKET, cylinder head	1	all 998cc
	TAM1521	GASKET, cylinder head	1	Cooper 1300
	AHT188	GASKET, cylinder head	1	Copper composite comp.
	GUG702560HG	GASKET, cylinder head	1	metro turbo
	CSTR1057	GASKET*, cylinder head	1	group A turbo.

*Note this gasket is only for a bore of 1275cc (2.780) +.040 (2.82). This gasket has an extra reinforced fire ring that requires machining the block to the following DATA

Fire ring recess OD in block top = 3.060
Fire ring recess depth in block top = 0.027/0.029

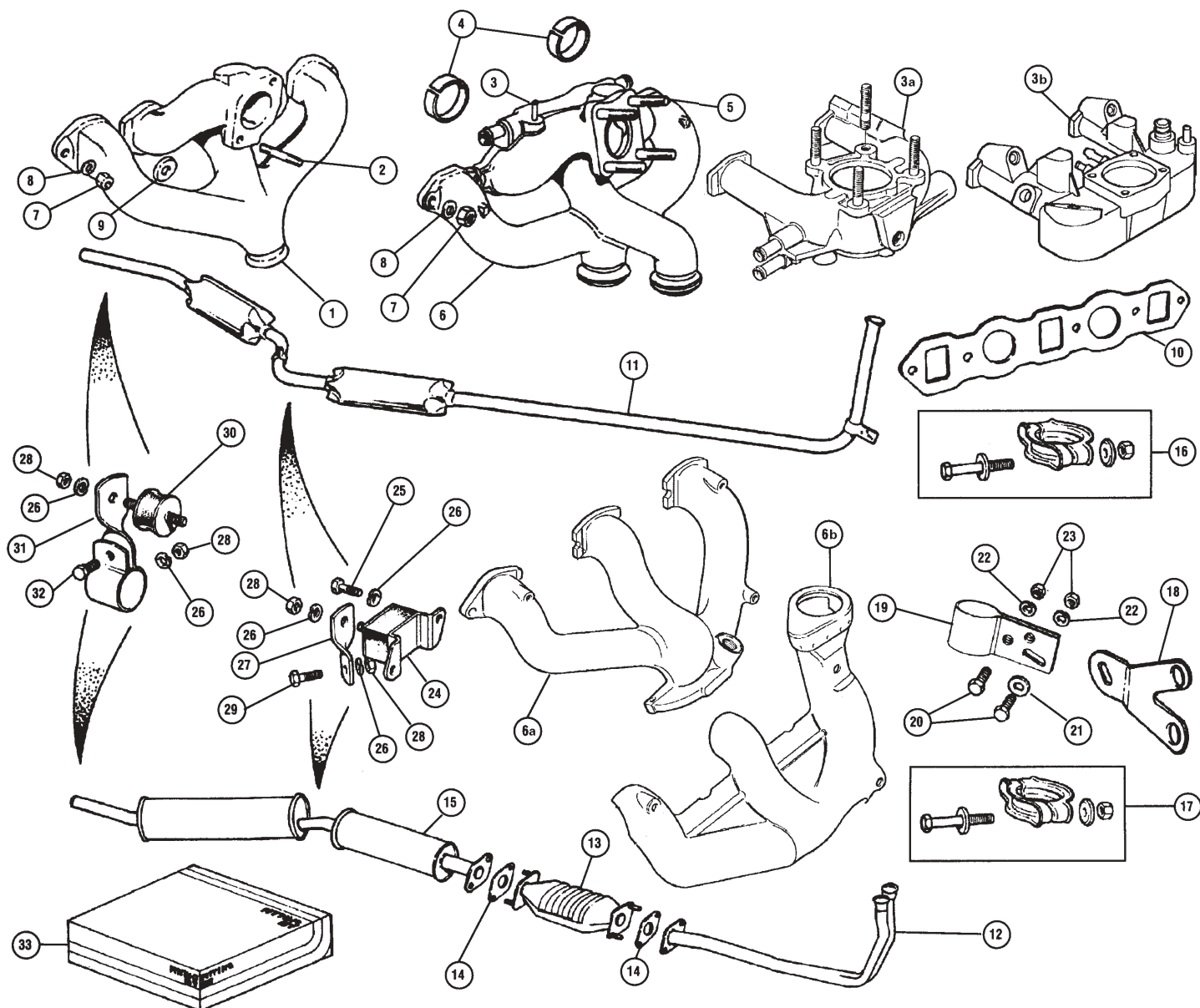
39	AJM601	GASKET, manifold to cyl head	1	
40	12A1530	ROCKER COVER	1	to VIN290002
	LDR10074	ROCKER COVER	1	from VIN290003
	WPA9007X	ROCKER COVER, ribbed alloy	1	
	WPA9008X	ROCKER COVER, ribbed alloy slanted	1	
	GAC4068P	ROCKER COVER, plain alloy	1	
41	GFE6003	FILLER CAP	1	
	8G612CP	FILLER CAP, chrome	1	(for alloy rocker covers)
	8G612	FILLER CAP, matt steel	1	(for alloy rocker covers)
42	2A150	NUT, rocker cover	2	all 998cc models
	12H2557	NUT rocker cover (with stud)	2	Cooper 1300

No.	Part Number	Description	Reqd.	Details
	WPA9029X	NUT, knurled rocker nuts (pair)	1	
43	1B2925	SPACER	2	
44	1A2156	CUP WASHER	2	
45	12A1358	GROMMET, rocker cover	2	
46	GUG5009VC	GASKET, rocker cover	1	
47	GHF201	NUT, rocker pedestal	4	alternatives
	GHF222	NUT, nyloc, rocker pedestal	4	
48	GHF301	WASHER, rocker pedestal	4	
49	GUG1071HS	GASKET SET, top end	1	998cc pre A+
	GUG1016HS	GASKET SET, top end	1	998cc A+
	GUG1089HS	GASKET SET, top end	1	Cooper 1300
	AJM1141X	GASKET SET, top end	1	1300 with AF460 gasket
	AJM1140	GASKET SET, top end	1	1300
	GUG701113HS	GASKET SET, top end	1	injection head set



No.	Part Number	Description	Reqd.	Details
RADIATOR AND HOSES ◀				
1a	12G103	HOUSING, thermostat	1	all 998cc models
	12G103Z	HOUSING, thermostat	1	all 998cc models
1b	PEQ10010	HOUSING, thermostat	1	90 on std 1300
	PEQ10019	HOUSING, thermostat	1	Cooper 1300
1c	PEQ100650	HOUSING, thermostat (Front mounted radiator).	1	mpi 96 on
	PEQ100690	HOUSING, thermostat	1	spi
2	PEM10036	PLATE, thermostat housing	1	
2b	PEG100030	PLATE, thermostat housing (12mm drilling for GTR206 temp sensor).	1	sandwich plate mpi 96 on
2c	PEG10002	PLATE, thermostat housing (10mm outlet)	1	sandwich plate
3	GHF301	WASHER,	3	
4	GHF332	WASHER, locking	3	
6	GHF201	NUT	3	
	DAM7760	BOLT, thermostat housing	3	housing & sandwich plate
7	GTG101	GASKET, thermostat	a/r	
8	GTS102	THERMOSTAT, 74°C (165f)	1	summer
	GTS104	THERMOSTAT, 82°C (180f)	1	standard to 85
	GTS106	THERMOSTAT, 88°C (190f)	1	standard 85 on
9	GRD210	RADIATOR	1	all 998cc models
	GRD172	RADIATOR	1	Cooper 1300
9a	GRD974	RADIATOR, front mounted	1	mpi 96 on
	GRD4442	RADIATOR, 2 core, road & race	1	high performance rad
	GRD4443	RADIATOR, 2 core, road & race (With fan switch).	1	high performance rad
	GRD4444	RADIATOR, 4 core, grass track/autocross	1	high performance rad
	MT3104	RADIATOR, alloy	1	
Note: aluminium radiators are made to high specification, aluminium radiators are substantially more efficient than the original unit in which they replace. This leads to an overall increase in performance and reliability.				
	MT3105	RADIATOR, alloy, race (Front mounted (L. 600mm H. 260mm Core 32mm inlet/outlet LH side).	1	mini miglia race radiator
10	ARP1174	COWLING, radiator	1	
	PGK10034	COWLING, radiator	1	
11	SH604031	SCREW, radiator to cowl	4	
12	GRC111	RADIATOR CAP, 13lb	1	998cc to 1976
	GRC110	RADIATOR CAP, 15lb	1	998cc 76 on
	GRC207	EXPANSION CAP	1	Cooper 1300
13	CAM4619	BRACKET, radiator top mount	1	All 998cc
	12G617	BRACKET, radiator top mount	1	1275 & S
	12G617S	BRACKET, radiator top mount	1	1275 & S, stainless steel
	PCU10135	BRACKET, radiator top mount	1	Cooper 1300 models
14	12A361	BRACKET, radiator to engine	1	all models
15	HBZ534	BOLT, bracket to gearbox	2	
16	12A2153	BRACKET, lower radiator mtg.	1	
17	ARP1073	SPACER	1	
18	BH605261	BOLT, cowl to bracket	1	
19	SH605051	SCREW	2	
20	CAM4414	GROMMET, upper radiator mtg.	2	all 998cc models
	11G227	GROMMET, upper radiator mtg.	2	
21	CAM4415	SLEEVE, for grommet	2	
	11G228	SLEEVE, for grommet (11G227)	2	
	12A1985	SLEEVE, for grommet (11G227)	2	replaces 11G228
22	GHF117	SCREW	2	
	CAM4618	BUSH, top mounting	2	Cooper 1300 + SE
24	GRH244	TOP HOSE	1	mini 59 - 67
	GRH245	TOP HOSE	1	all 998cc models
	GRH247	TOP HOSE	1	1275 and S
	GRH469	TOP HOSE	1	1275GT
	GRH1140	TOP HOSE	1	Cooper 1300
	GRH1212	TOP HOSE	1	Cooper spi
24a	GRH1465	TOP HOSE (Front mounted radiator fitment).	1	mpi 96 on
	GRH1216	HOSE	1	spi thermostat to manifold and heater
25	GRH240	BOTTOM HOSE	1	all 998cc models
	GRH468	BOTTOM HOSE	1	clubman
26	GRH1139	BOTTOM HOSE	1	Cooper SE 1300
27	GRH1159	BOTTOM HOSE	1	Cooper 1300
	GRH1242	BOTTOM HOSE	1	Cooper spi
27b	GRH1466	BOTTOM HOSE (Front mounted radiator fitment (water pump/rad/expansion tank/water valve/thermostat).	1	mpi 96 on

No.	Part Number	Description	Reqd.	Details
28	GHC507	HOSE CLIP, heater outlet hose	1	to 1989
29	GHC608	HOSE CLIP, heater outlet hose	2	1990 on
30	GHC913	HOSE CLIP, top & bottom hose	4	
31	PCF10060	EXPANSION TANK	1	
31a	PCF101240	EXPANSION TANK	1	mpi 96 on front mounted radiator fitment
32	GRH1213	HOSE, expansion tank	1	Cooper 1300
33	UKC3803	CLIP, expansion hose	2	
34	GRH1001M	PIPE, overflow	1	all 998cc models
35	ARA951	CLIP, overflow pipe to cowling	2	
36	KRG10009	SEAL, rubber, radiator to flitch	1	Cooper 1300
37	GHF332	WASHER, spring	4	
WATER PUMP ◀				
41	GWP134	WATER PUMP	1	all 998cc models
	GWP187	WATER PUMP, no bypass outlet	1	Cooper 1300
	GWP188	WATER PUMP, no alternator lug	1	MPI mini 96 on
	MT3101	WATER PUMP, electric	1	
	MT3102	CONTROLLER, EWP	1	
	MT3103	WATER PUMP, electric small (Nylon pump body with push on connections. Sealed bearing motor with magnetic drive to centrifugal pump Use with EWP pump if impaired heater performance is experienced).	1	
42	88G215	GASKET, water pump	1	
43	12A2075	ADAPTOR, on cylinder head	1	all 998cc models
44	SH605141	BOLT, pump to block (long)	2	
	TAM1180	BOLT, flanged, Pump to block long	2	Cooper 1300
45	SH605101	BOLT, pump to block (short)	2	all 998cc models
	TAM1178	BOLT, flanged, pump to block short	2	Cooper 1300
46	GHF332	WASHER, locking	4	
47	12G2077	DOWEL, pump to block	2	
48	CAM6239	PULLEY, water pump	1	to 1985
	CAM6408	PULLEY, water pump	1	1985 on
48a	PEZ100100	PULLEY, water pump	1	mpi 96 on multi V belt pulley
48b	PQR10028	PULLEY TENSIONER	1	mpi 96 on
49	12A312	SPACER, fan to pulley	1	
50	SH604041	SCREW, fan to pump	4	
51	GHF331	WASHER, locking	4	
52	12G1305	FAN, '11 blade' plastic	1	narrow blades
	12G2129	FAN, '11 blade' plastic	1	1.5" thick blades
	2A998	FAN, 6 blade metal	1	export and performance
53	GZA2083	HOSE bypass	1	998cc models
54	3H2963	CLIP, bypass hose	2	
	CAM4126	PLUG COVER (Covers bypass tube on cylinder head or water pump when bypass not being used).	1	
55	GCB10813	FAN BELT, (813mm long)	1	to 1985
	GCB10838	FAN BELT, (838mm long)	1	A115 alternator 81 - 85
	GCB10825	FAN BELT, (825mm long)	1	A127 alternator 85 on
	GMB50920	FAN BELT, multi groove	1	mpi 96 on
ELECTRIC COOLING FAN ◀				
56	PGF10038	FAN	1	
57	PGU10006	BRACKET, cowl to inner wing	1	
58	YWL10010	THERMAL SWITCH & SEAL	1	Cooper SE models
59	PYF10040	WASHER, sealing	1	
60	YMV10069	HARNESS	1	
61	PGG10046	FAN long	1	
62	PGL10008	SHIELD	1	
63	PGU10007	BRACKET, fan to inner wing	1	Cooper 1300
64	PGG10046FK	MOUNTING KIT, fan to flitch	1	
65	YWL10009	THERMAL SWITCH	1	
65a	GVS188	THERMAL SWITCH	1	
65b	GTR185	TEMPERATURE TRANSMITTER	1	spi 91 on
65c	GTR206	TEMPERATURE TRANSMITTER	1	mpi mini (brown)
66	PYF10036	WASHER, sealing	1	
	MDY100040	WASHER, sealing	1	mpi for GTR206
	PGG10058	FAN ASSEMBLY	1	91 to 96
67	PGG100890	FAN ASSEMBLY (Front mounted radiator fitment).	1	mpi 96 on
	GAC8411X2	FAN KIT, electric 10"	1	kenlowe electric fan kit



No.	Part Number	Description	Reqd.	Details
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MANIFOLDS & FITTINGS ▲

1	12G3279	MANIFOLD	1	998cc models
2	CHS2616	STUD, carb to manifold	2	
3	CAM6618	MANIFOLD, Inlet	1	Copper 1300 + SE
3a	LKB10477	MANIFOLD, inlet	1	spl 91 on
3b	LKB106930	MANIFOLD, inlet	1	mpi 96 on
	GAC8464X	MANIFOLD, inlet	1	high flow alloy inlet
	GMC3000	MANIFOLD, inlet	1	high flow alloy inlet
	CAHT771	MANIFOLD, inlet	1	high flow alloy inlet
		(For 1.5" and 1.75" carbs).		
		(For 1.5" and 1.75" carbs).		
		(For 1.75" carbs, the larger ports make this manifold ideal for large capacity engines e.g. 1380cc).		
	LP4012	MANIFOLD, inlet	1	for twin SUs (HS2 OR HS4)
	C-AEG489	MANIFOLD, inlet	1	for twin SUs (HS4 or HS6)
	AEG349	THROTTLE BRACKET	1	for twin SU's
	TT10850	MANIFOLD, inlet	1	
		(Single Weber/Dellorto inlet manifold 10cm (4 inch) long. Will require bulkhead modifications).		
	TMG10850	MANIFOLD, inlet	1	
		(Single Weber/Dellorto inlet manifold 15cm (6 inch) long. Will require bulkhead modifications).		
	TWM0071	MANIFOLD, inlet	1	
		(Single Weber/Dellorto inlet manifold 15cm (6 inch) long. Supplied complete with direct acting throttle linkage. Will require bulkhead modifications).		

No.	Part Number	Description	Reqd.	Details
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	MGS10850	MANIFOLDS, pair, inlet	1	
		(Allows the use of split Weber/Dellorto carbs for competition use).		
	LP4031	LINKAGE KIT	1	Weber single carburettor
		(Single cable, these are very easily installed and offer smooth operation).		
	LP4301	LINKAGE KIT	1	Dellorto single carb.
		(Single cable, these are very easily installed and offer smooth operation).		
4	12G297	RING, manifold locating	2	
5	CHS2514	STUD, short	2	
	CHS2516	STUD, long	2	
6	CAM6745	MANIFOLD, exhaust	1	Copper 1300 + SE
6a	LKC10090	MANIFOLD, exhaust	1	spl and mpi 91 on
6b	LKK10025	HEAT SHIELD	1	spl & mpi 91 on
		(For injection manifold)		
	GAC8463X	MANIFOLD LCB	1	
		(Manifold long centre branch exhaust manifold for applications up to 100bhp includes primary pipes and Y piece with clamps).		
	GAC8463S	MANIFOLD LCB	1	
		(Manifold long centre branch exhaust manifold stainless steel ideal for applications up to 100bhp inc: primary pipes and Y piece with clamps).		
	WPE1000X	MANIFOLD LCB	1	
		(Long centre branch exhaust manifold stainless steel includes primary pipes and Y piece with clamps).		
	MT6502	MANIFOLD LCB	1	
		(Long centre branch manifold with link pipe to catalyst, carb model).		
	MT6503	MANIFOLD LCB	1	
		(Long centre branch manifold with link pipe to catalyst, carb model S/S).		

No.	Part Number	Description	Reqd.	Details
	MT6504	MANIFOLD LCB (Long centre branch manifold with link pipe to catalyst, injection model).	1	
	MT6505	MANIFOLD LCB (Long centre branch manifold with link pipe to catalyst, injection model, stainless steel).	1	
	MT6501	MANIFOLD, Cooper freeflow	1	
	MT6502	MANIFOLD, Cooper freeflow	1	stainless steel
7	GHF261	NUT, brass, manifold to cyl head	6	all models
8	GHF301	WASHER, plain	2	
9	12A1211	WASHER, plain	4	
10	AJM601	GASKET, manifold to cyl head	1	
	GUG4008MG	GASKET, manifold to cyl head	1	ERA turbo
	TMG10836	GASKET, manifold to cyl head (Large bore allows fitment of performance exhaust manifolds with larger primary pipes).	1	

EXHAUSTS & FITTINGS ◀

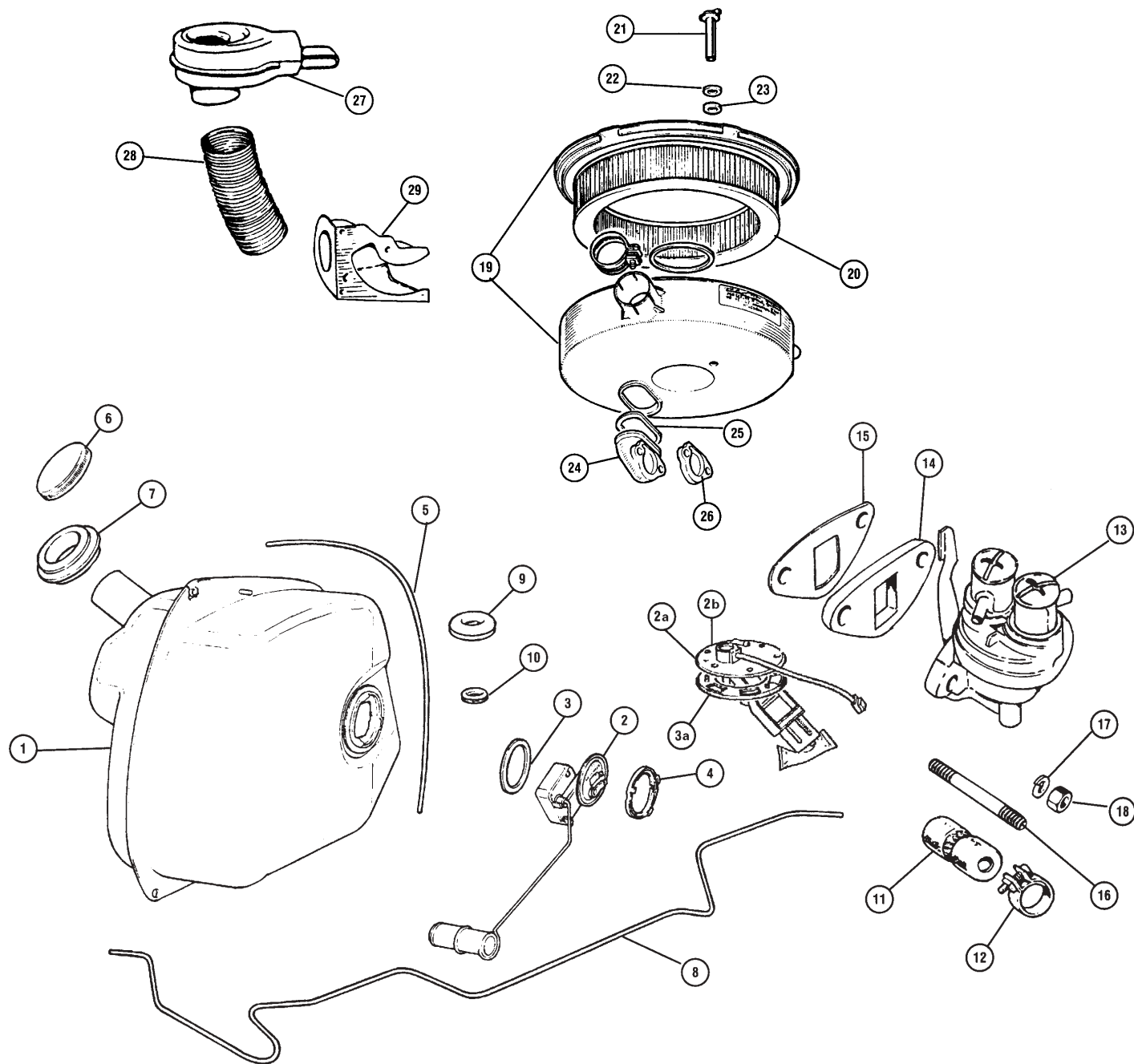
11	GEX106	EXHAUST SYSTEM, single box	1	saloon
	GEX154	EXHAUST SYSTEM, painted steel	1	} twin box saloon models
	GEX154SS	EXHAUST SYSTEM, stainless steel	1	
	GEX177	EXHAUST SYSTEM, aluminised	1	
	GEX1285	EXHAUST DOWNPIPE (For single box GEX1562 (from exhaust manifold to side exit kink at front of rear subframe).	1	front repair section
	GEX1562	REAR BOX (For GEX1285 includes rear box and tail pipe).	1	rear repair section
12	GEX12052	DOWNPIPE, single pipe	1	carb std to catalyst
	WCP10021	SAMPLE PIPE	1	} C/O sample pipe attaches to GEX12052
	GEX12017	DOWNPIPE, twin pipes	1	
	GEX12043	DOWNPIPE, twin pipes	1	} Cooper 1300 to catalyst with flat face flange 1300 spi and mpi to catalyst
	GEX7779	GASKET	1	
13	GEX8025	CATALYST ASSY, Nickel free	1	Germany only
	GEX8069	CATALYST ASSEMBLY	1	} spi and mpi 91 on
	FX110041	NUT, catalyst	4	
14	GEX7761	GASKET, catalyst flange	2	
15	GEX33479	TWIN BOX, rear (From catalyst back to vin 22123).	1	Cooper 1300
	GEX33515	TWIN BOX, rear (From catalyst back from vin 22124).	1	Cooper 1300
	GEX33516	TWIN BOX, rear	1	Cooper spi from cat back
	C-STR811	SINGLE BOX, rear (With intermediate pipe from catalyst).	1	RC40 rear box
	C-STR811S	SINGLE BOX, rear (With intermediate pipe from catalyst).	1	S/S RC40 rear box
	GEX33519	TWIN BOX, rear	1	std spi from catalyst back
	GEX33679	TWIN BOX, rear	1	mpi from catalyst back
	GEX12098	TRIM	1	mpi tail pipe finisher
16	GEX7046	CLAMP, pipe to manifold	1	all 998cc models
17	GEX7488	CLAMP, pipe to manifold	2	Cooper 1300 + SE
18	GEX7526	BRACKET, gearbox to front pipe	1	2 bolt fixing
	GEX7088	BRACKET, gearbox to front pipe	1	3 bolt fixing
19	GEX7053	CLIP, front pipe to g/box bracket	1	
20	SH605051	SCREW, clip to bracket	2	} 998cc models
21	GHF301	WASHER	2	
22	GHF331	WASHER, locking	7	
23	GHF201	NUT	2	
24	GEX7081	MOUNTING, centre (rubber)	1	
	GEX7081P	MOUNTING, centre poly	1	
25	SH605051	SCREW, mounting to subframe	2	
26	GHF332	WASHER, locking	2	
27	GEX7082	STRAP, centre, (twisted)	1	998cc models
	GEX7273	STRAP, centre (twisted)	1	van, pick up and estate
	GEX7778	STRAP, centre, (twisted)	1	Cooper 1300 + SE
	GEX7248	STRAP, centre (twisted)	1	1275GT, S and RC40
28	GHF201	NUT	1	
29	SH605071	SCREW, strap to centre clip	1	
30	GEX7251	MOUNTING, bobbin rubber	1/2	
	GEX7251P	MOUNTING, bobbin poly	1/2	
31	GEX7084	CLIP, rear mount, (twisted)	1	998cc models
	GEX7778	STRAP, twisted, rear	1	Cooper 1300 + SE
	GEX7249	STRAP, rear (Fits to sub frame via two bobbins).	1	1275GT, S and RC40
32	GHF120	SCREW, clip	1	
33	GEX9551	FITTING KIT, exhaust	1	998cc models

Note: also see Accessories for full range of sports exhausts.

GEX7661	EXHAUST HANGER, rubber	2	late type exhaust
GEX7661P	EXHAUST HANGER, poly	2	late type exhaust
GEX40FK	EXHAUST FITTING KIT	1	fitting kit for RC40 exhaust
GEC40RC	EXHAUST SYSTEM, sports (Includes intermediate pipe to downpipe).	1	RC40 two box system

Performance Exhausts

GEC50RC	EXHAUST SYSTEM, sports (Two box system includes intermediate pipe to downpipe).	1	stainless steel RC40
MPE101	REAR BOX PECO, exhaust (Standard small bore 32.5mm entry pipe).	1	upswept tailpipe
MPE102	REAR BOX PECO, exhaust (Standard small bore 32.5mm entry pipe).	1	straight tailpipe
MPE103	REAR BOX PECO, exhaust (Standard small bore 32.5mm entry pipe).	1	upswept twin tailpipes
MPE105	REAR BOX PECO, exhaust (Large bore 46mm entry pipe).	1	upswept tailpipe
MPE106	REAR BOX PECO, exhaust (Large bore 46mm entry pipe).	1	straight tailpipe
MPE107	REAR BOX PECO, exhaust (Large bore 46mm entry pipe).	1	upswept twin
PM34	LINK PIPE, stainless steel	1	to rear boxes
MT6501	CARBON FIBRE REAR BOX (Carbon fibre box with stainless steel end caps, weighs just 3.7kg).	1	92 on late type hangers
PMSS-OE	REAR BOX, stainless steel (With two exits either side, requires tail pipes (PMSS-S x 1)).	1	central box
PMSS-S	OVAL TAIL PIPE KIT	1	for PMSS-OE rear box
AN180V	INTERMEDIATE PIPE (Connects direct from Cooper freeflow manifold to performance rear boxes, requires shortening for LCB manifolds).	1	
WPE2002X	REAR BOX (With outward rolled lip).	1	centre exit single tailpipe
WPE2003X	REAR BOX (With straight cut).	1	centre exit twin tailpipe
WPE2004X	REAR BOX (With outward rolled lip).	1	side exit single tailpipe
WPE2005X	REAR BOX (With inward rolled lip).	1	centre exit single tailpipe
WPE2006X	REAR BOX (With inward rolled lip).	1	centre exit twin tailpipe
WPE2007X	REAR BOX (With DTM style upswept straight cut).	1	centre exit twin tailpipe
WPE2008X	REAR BOX (With inward rolled lip).	1	side exit single tailpipe
WPE3001X	FITTING KIT	1	
WPE3002X	FITTING KIT	1	
WPE3003X	FITTING KIT	1	
WPE3004X	FITTING KIT	1	
WPE1104X	BLANKING PLUG	1	for WPE1103X link pipe



No.	Part Number	Description	Reqd.	Details
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FUEL TANK AND PUMP ▲

Note: 5.5 gallon fuel tanks are no longer available. Use ARP1043 with 21A2838 strap.

1	ARP1043	FUEL TANK	1	7.5 gallons
	21A2838	STRAP	1	
2	XNB10007	SENDER UNIT, fuel tank	1	
2a	WFX10045	PUMP & SENDER	1	SPI
2b	WFX100810	PUMP & SENDER	1	MPI
3	ARA1502	RING, sealing, sender unit	1	
3a	EDP9317	SEALING RING	1	
4	ARA1501	RING, locking, sender unit	1	
5	GWV202M	PIPE, tank vent	a/r	per metre
6	WLD10027	FUEL CAP, non locking	1	
	WLD100310	FUEL CAP, locking	1	
	21A2109	SEAL, fuel cap	1	
7	14A7057	SEAL, filler neck to body	1	
8	37H7148M	PIPE, fuel, tank to pump	a/r	per metre
	21A2183	FUEL TANK	1	Cooper S R/H tank 5.5 gal
	21A2185	FUEL TANK, alloy	1	Cooper S R/H tank 5.5 gal
	MT3121	FITTING KIT	1	R/H tank fitting kit

No.	Part Number	Description	Reqd.	Details
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GAC8436X	FILLER NECK KIT	1	
(If you want the right hand tank look without the tank this dummy filler neck is the answer, complete with neck seal).			
GAC8436Q2	NECK SEAL	1	dummy seal for GAC8436X
21A291	FUEL TANK, van / estate / pickup	1	use only vented cap
21A291Z	FUEL TANK, van / estate / pickup	1	use only vented cap
WLD10027	FUEL CAP, non locking	1	vented
21A2109	SEAL, fuel cap	1	
AAU8340	SENDER UNIT	1	
2H1082	GASKET, sender unit	1	
21A304	NUT, large	3	fits at rear of tank
AB614101	SCREW, large	3	for 21A304
21A305	NUT, small	3	fits at rear of tank
AB614061	SCREW, small	3	for 21A305

Note: For the main feed pipe 4 metres is required. This can then be cut to the correct length.

37H7615M	HOSE, fuel, rubber	a/r	per metre
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Note: 37H615M is only sold in metre lengths and must be cut to the following lengths; Tank to main pipe 11", main pipe to pump 3", pump to pipe 3", pipe to carburettor 3".

No.	Part Number	Description	Reqd.	Details
9	ACB8474	GROMMET	1	fuel pipe through floor
10	RFN403	GROMMET	1	tank vent pipe through floor
11	GGT101	HOSE, fuel, braided	a/r	2.5" long
	GGT102	HOSE, fuel, braided	a/r	6.75" long
	GGT104	HOSE, fuel, braided	a/r	10.0" long
	GGT105	HOSE, fuel, braided	a/r	11.75" long
	GGT106	HOSE, fuel, braided	a/r	14" long
12	ACH5854	CLIP, for braided hose	a/r	
13	AZX1817	FUEL PUMP, mechanical	1	all 998cc models
	AZX1818	FUEL PUMP, mechanical	1	Cooper 1300
14	12G4520	SPACER, pump to block	1	
	AUB5012	SPACER, pump to block	1	
	GUG705603GM	SPACER, pump to block	1	
15	12G3494	GASKET, mechanical pumps	2	
	GUG705779GM	GASKET, mechanical pump	2	
16	CHS2515	STUD, for mechanical pump	2	
17	GHF332	WASHER, locking	2	
18	GHF201	NUT	2	
	AUF214	FUEL PUMP, electric	1	point type to 1970
	AUF214Z	FUEL PUMP, electric	1	point type to 1970
	AUB6106	CONTACT SET	1	
	AUB633	BANJO	2	
	AUB676	SEALING WASHER	A/R	
	AUB617	FILTER	1	
	WZX1701	VALVE KIT	1	
	21A632	CLAMP, fuel pump	1	for AUF214

Interrupter Fuel Pump Kits

These pumps can be mounted either at the front or rear of the car.

TMG2930K	FUEL PUMP KIT, negative earth	1	18 gal/hr flow 4.0 psi
TMG2930P	FUEL PUMP KIT, positive earth	1	18 gal/hr flow 4.0 psi
MGS2930K	FUEL PUMP KIT, negative earth	1	25 gal/hr flow 5.0 psi
TT2930	FUEL PUMP KIT, negative earth	1	38 gal/hr flow 6.5-7.0 psi

Solid State Fuel Pump Kits

These pumps are required to be fitted within 12 inches of the fuel supply (tank) and below the fuel outlet because they rely on gravity feed.

TMG2931K	FUEL PUMP KIT, negative earth	1	18 gal/hr flow 4.0-5.5 psi
MGS2931	FUEL PUMP KIT, negative earth	1	25 gal/hr flow 6.0- 7.0 psi

Note: we recommend that you fit an in line pressure regulator/filter.

PRO53	PRESSURE REGULATOR	1	1/4 unions
PRO54	PRESSURE REGULATOR	1	5/16 unions
TT2927	FILTER/REGULATOR (67mm deep glass bowl, 6mm unions).	1	Road/comp
TT2927	FILTER/REGULATOR (85mm deep glass bowl, 8mm unions).	1	Race/comp
C41220A	INERTIA SWITCH (Cuts electrical supply to pump).	1	inline switch

Fuel Pump Unions

			Pipe	Thread
FPA903B	UNION, straight	A/R	1/4 (6mm)	1/8 npt
MOC1604	UNION, straight	A/R	5/16 (8mm)	1/8 npt
FPA904	UNION, straight	A/R	3/8 (10mm)	1/8 npt
MOC1841	UNION, 90 degrees	A/R	5/16 (8mm)	1/8 npt
FPA902A	UNION, 90 degrees, pair	A/R	5/16 (8mm)	1/4 npt
FPA902B	UNION, 90 degrees, pair	A/R	3/8 (10mm)	1/4 npt

Fuel Filter Unions

TT2932A	UNION, pair	A/R	1/4 (6mm)	1/8 npt
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AIR FILTERS

19	12G4298	AIR FILTER	1	998cc non servo
	TAM2138	AIR FILTER	1	998cc direct servo fitted
20	GFE1008	ELEMENT, air filter	1	all 998cc models
	GFE1096	ELEMENT, air filter	1	Cooper 1300 + SE
	GFE1143	ELEMENT, air filter	1	injection cars spi & mpi
21	12G1811	WING NUT, filter casing	2	
22	12A1436	WASHER, steel	2	
23	12A1437	WASHER, fibre	2	

No.	Part Number	Description	Reqd.	Details
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Note: If you require a high performance air filter, see accessories for details of the K&N range of air filters.

24	12G1812	ELBOW, filter case to carb'	1	all 998cc models
	CAM4694	ELBOW, filter case to carb'	1	Cooper 1300 + SE
25	12A1433	SEAL, elbow to filter seal	1	
26	12G2125	GASKET, elbow to carb'	1	all 998cc models
	12H4271	GASKET, elbow to carb'	1	Cooper 1300 + SE
27	12G3210	CONTROL, air temperature	1	all 998cc models
28	12H4344	HOSE, (cut to length)	1	998cc non servo & Cooper
	LKM10002	HOSE, (cut to length)	1	998cc direct servo
29	12G3213	DUCT, warm air	1	998cc non servo
	TAM2419	DUCT, warm air	1	998cc direct servo
	CAM6767	DUCT, warm air	1	Cooper 1300 + 1300

Air Filter Elements

KNE2601	FILTER	1	HS4 and HIF38
KNE9001	FILTER	1/2	HS2 single or 2 for twin carb
KNE9172	FILTER	1	injection cars, spi & mpi

Bolt On Air Filters

KN57-0082	AIR FILTER KIT (Complete with cold air ducting kit).	1	spi performance filter kit
KN56-9128	AIR FILTER	1	HS4 1 1/2 SU
KN56-9142	AIR FILTER, oval (7 wide x 5 high x 1 3/4 deep).	1	HS6 1 3/4 SU with offset hole
KN56-9222	AIR FILTER, oval	1	HIF 1 3/4 SU with offset hole
KN56-9320	AIR FILTER, tapered	1	HS4 1 1/2 SU
KN56-9327	AIR FILTER, tapered	1	HS6 1 3/4 SU
KN56-9330	AIR FILTER, tapered	1	HIF6 /44 1 3/4 SU
KN62-1010	FILTER	A/R	engine breather filter 1/2 inlet
KN62-1330	FILTER	A/R	engine breather filter
KN99-0621	CLEANING FLUID	1	
KN99-11311	FILTER OIL	1	

HS4 Stub Stacks

SFR430	STUB STACK	1	30mm silver polished
SFR430R	STUB STACK	1	30mm red anodised
SFR430B	STUB STACK	1	30mm blue anodised
SFR2	STUB STACK	1	period style short
SFR8	STUB STACK	1	period style long

HS6 Stub Stacks

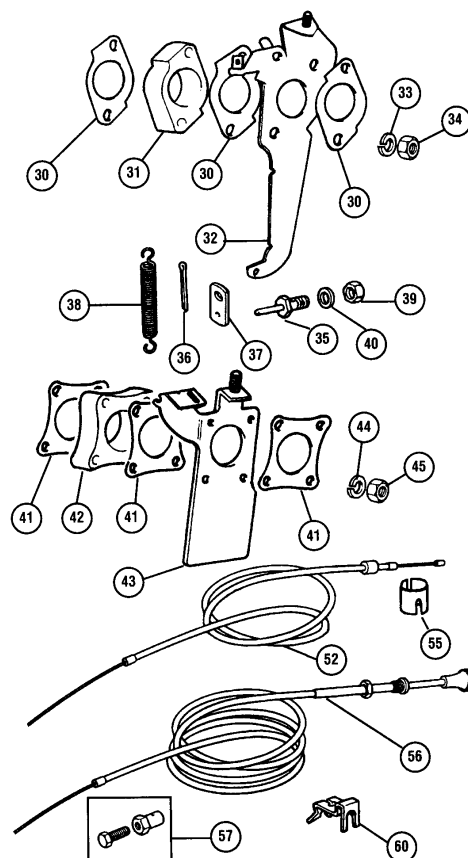
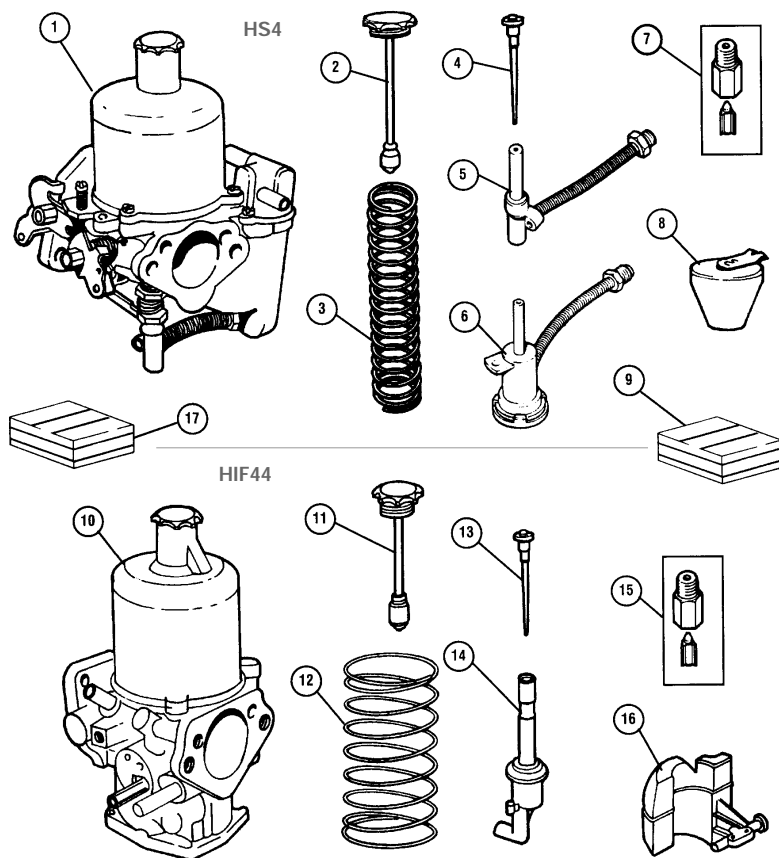
SFR650	STUB STACK	1	silver polished
SFR650R	STUB STACK	1	red anodised
SFR650B	STUB STACK	1	blue anodised
SFR3	STUB STACK	1	period style short
SFR9	STUB STACK	1	period style long

HIF SU's Stub Stacks

SFR4430	STUB STACK	1	silver polished
SFR4430R	STUB STACK	1	red anodised
SFR4430B	STUB STACK	1	blue anodised

K&N Stub Stacks

KN85-5038	STUB STACK	1	HS2
KN85-5039	STUB STACK	1	HS4
KN85-5040	STUB STACK	1	HS6
KN85-5041	STUB STACK	1	HIF44



No.	Part Number	Description	Reqd.	Details
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CARBURETTORS AND CONTROLS ▲►

HS2 Carburettor

AUD327T	CARBURETTOR	1	HS2
GAC6153X	REBUILD KIT, single	1	HS2
AUD662T	CARBURETTORS, pair	1	HS2

HS4 Carburettor

1	FZX3012	CARBURETTOR, plain jet	1	from 1973 to 76
	FZX3014	CARBURETTOR, Waxstat jet	1	1976 to 1982
	FZX3013	CARBURETTOR, Waxstat jet	1	1982 on
2	AUC8103A	CAP & DAMPER, dashpot	1	
3	AUC4387	SPRING, dashpot, red	1	
4	NZX4005	NEEDLE, (ADE)	1	
	NZX4008	NEEDLE, (ADH)	1	
	CUD1002	NEEDLE, (AAC)	1	

Note: Due to the number of different types of needle we have been unable to list all the carburettor tag numbers, (the number is on a tag on the dashpot cover screw) when ordering needles please check the three letter code stamped around the top of the needle. Please contact your local Moss branch if you require any help.

5	AUD9451A	JET ASSEMBLY	1	
6	LZX1111A	JET ASSEMBLY, waxstat cap	1	
7	WZX1100A	FLOAT VALVE KIT, needle & seat	1	
8	WZX1300	FLOAT, plastic	1	
	GAC9201X	GROSE JET	1	
		(superior replacement for original style needle & seat).		
	WZX1852X	SERVICE KIT	1	single HS4 pre waxstat (Includes instructions, diagrams, new main jet, needle valve, gaskets and washers).
	WZX1865	SERVICE KIT	1	single HS4 waxstat (Includes instructions, diagrams, new main jet, needle valve, gaskets and washers).
9	CRK219	REBUILD KIT	1	plain jet (Includes all service items and throttle shaft, throttle disc, 2 screws and 2 bushes).
	CRK227	REBUILD KIT	1	plain jet (With over run throttle disc includes all service items and throttle shaft, throttle disc, 2 screws and 2 bushes).

No.	Part Number	Description	Reqd.	Details
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CRK121	REBUILD KIT	1	waxstat jet (Includes all service items and throttle shaft, throttle disc, 2 screws and 2 bushes).
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Note: Rebuild kits do not contain needles.

HIF38 Carburettor

FZX3004	CARBURETTOR	1	
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HIF44 Carburettor

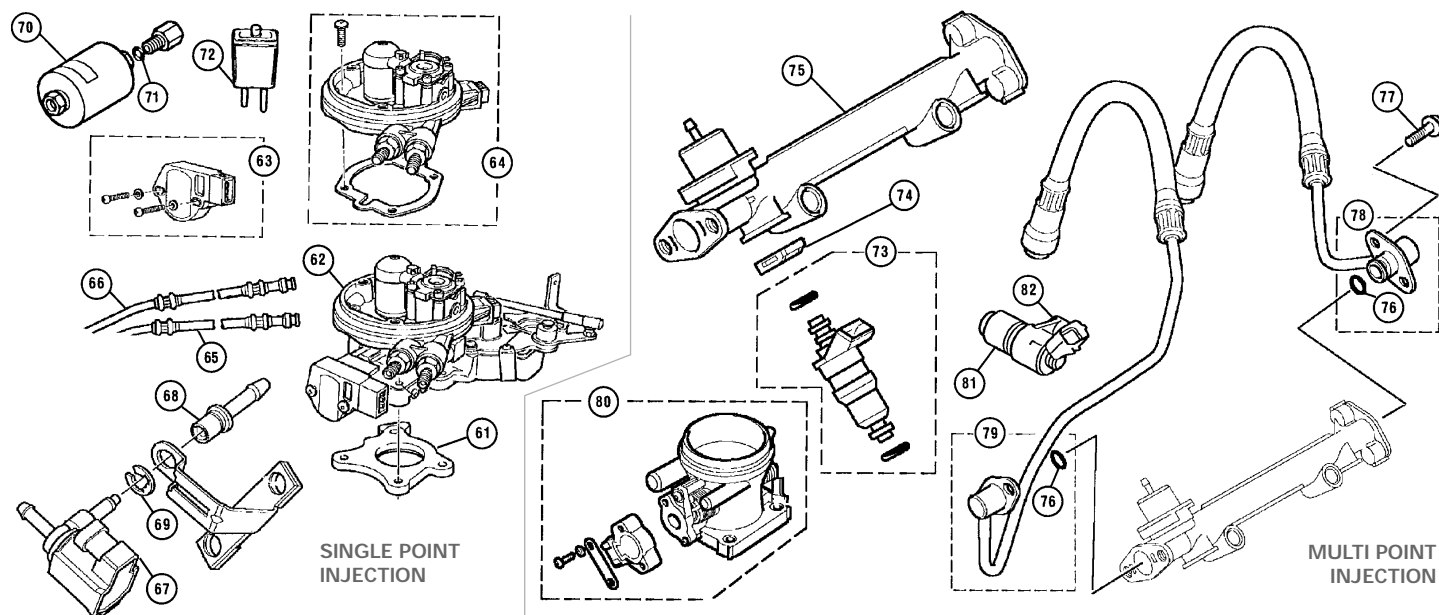
10	FZX1531	CARBURETTOR	1	
	GAC8100	SERVICE KIT	1	(Includes instructions, new main jet, needle valve, gaskets and washers).
	CRK167	REBUILD KIT	1	(Includes all service items and throttle shaft, throttle disc, 2 screws and 2 bushes).
11	LZX2085	CAP & DAMPER, dashpot	1	
12	AUD4355	SPRING DASHPOT, (Red)	1	
13	NZX8071	NEEDLE, (BFY)	1	
14	WZX1453A	JET	1	
15	WZX1099A	FLOAT VALVE KIT, needle & seat	1	
16	WZX1509A	FLOAT, plastic	1	
17	WZX1505A	KIT, gasket & seals	1	

HIF6 Turbo Carburettor

FZX1435	CARBURETTOR, turbo	1	
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Twin Carburettor Kits

MST017A	TWIN CARB KIT	1	HS2 (Includes manifold, heat shields, carbs, linkages, air filters).
FZX3052	TWIN CARB KIT	1	HS2 (Includes manifold, heat shields, carbs, linkages etc (except air filters)).
AUD662T	TWIN CARBS ONLY, pair	1	HS2
MST017B	TWIN CARB KIT	1	HS4 (Includes manifold, heat shields, carbs, linkages, air filters).
FZX3054	TWIN CARB KIT	1	HS4 (Includes manifold, heat shields, carbs, linkages etc (except air filters)).



No.	Part Number	Description	Reqd.	Details
Carburettor Fixings				
30	AEC2083	GASKET, carb to manifold	3	HS4 carburettors
31	12H1389	SPACER, carb to manifold	1	
32	12G766	BRACKET, cable & spring	1	
33	GHF333	WASHER, locking, carb to manifold	2	
34	NT606041	NUT, carb to manifold	2	
35	ACC5062	LEVER PIN	1	
36	GHF502	SPLIT PIN	1	
37	12A4	TAG, return spring on lever	1	
38	21A839	SPRING, throttle return	1	
	1E5537	SPRING, throttle return	1	
39	GHF200	NUT	1	HIF44 carburettors
40	GHF300	WASHER	1	
41	88G429B	GASKET, carb to manifold	3	
42	MAX10001	SPACER, carb to manifold	1	
	GUG5611GM	SPACER, carb to manifold	1	
43	CAM4942	BRACKET, cable	1	
44	GHF332	WASHER, locking	4	
45	NT605041	NUT, carb to manifold	4	

our carb kits contain everything you need...

HS4/6 Dash Pot Covers

SFR150	COVER, dash pot	1	chrome
SFR23	COVER, dash pot	1	polished
SFR23R	COVER, dash pot	1	red anodised
SFR23B	COVER, dash pot	1	blue anodised

HIF44/6 Dash Pot Covers

SFR175	COVER, dash pot	1	chrome
SFR24	COVER, dash pot	1	polished
SFR24R	COVER, dash pot	1	red anodised
SFR24B	COVER, dash pot	1	blue anodised

Single Point Injection

61	LZV1101EVA	SPACER, throttle body	1	spi includes injector
62	MLB10028	THROTTLE BODY	1	
63	MMJ10003	THROTTLE POTENTIOMETER	1	
64	MMJ10004	INJECTOR ASSEMBLY	1	
65	WJH104300	HOSE, fuel supply	1	
66	WJH104310	HOSE, fuel return	1	
67	AUU1503	PURGE VALVE	1	
68	JZV1223	TUBE, purge valve	1	
69	JZV1224	CLIP, tube	1	
70	GFE7059	FILTER, fuel	1	
71	EDP9976	SEAL	2	seal at fuel filter
72	NPC10001	FUEL TRAP	1	
	NNS10001	PEDAL SWITCH	1	

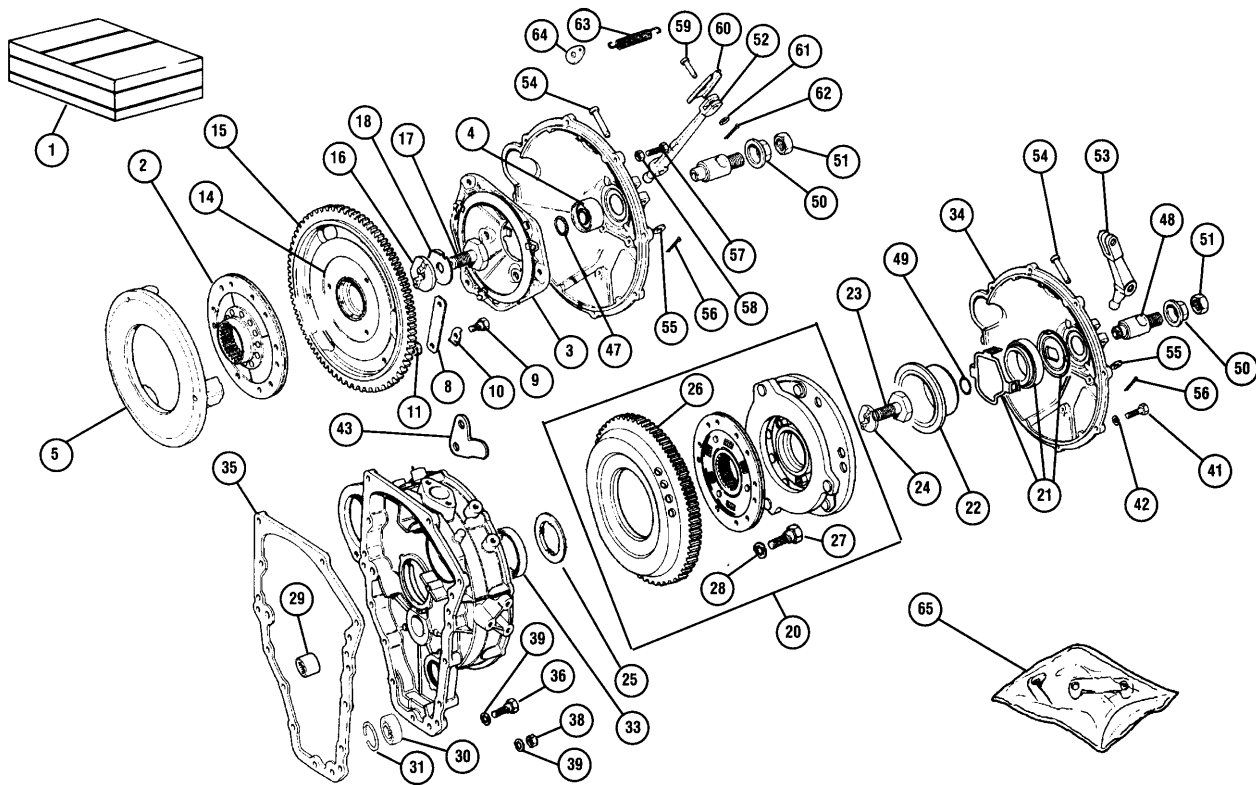
No.	Part Number	Description	Reqd.	Details
Multi Point Injection				
73	MJY100460	FUEL INJECTOR	2	mpi
74	MHN10004	CLIP, hold fuel injector	2	mpi
75	MJN100670	FUEL DELIVERY RAIL	1	mpi
76	BAU5325	SEAL	2	mpi O ring seal fuel delivery & return pipes to fuel rail fuel hose to delivery rail
77	MYP100300	BOLT	4	
78	WJH103900	HOSE, fuel supply	1	
79	WJH103910	HOSE, fuel return	1	
80	MHB000480	THROTTLE BODY, plastic	1	mpi 48mm
	MT3601	THROTTLE BODY, alloy	1	mpi replacement 48mm
	MT3602	THROTTLE BODY, alloy	1	mpi replacement 52mm
67	AUU1503	PURGE VALVE	1	
68	JZV1223	TUBE, purge valve	1	
69	JZV1224	CLIP, tube	1	
70	GFE7059	FILTER, fuel	1	
71	EDP9976	SEAL	2	seal at fuel filter
81	MHK100490	SENSOR, manifold pressure	1	mpi to VIN 169693
82	MHK100600	SENSOR, manifold pressure	1	mpi from VIN 169693

Nitro Kits

MT3111	NITROUS OXIDE KIT	1	single
MT3112	NITROUS OXIDE KIT	1	twin

ENGINE CONTROLS

52	NAM7914	ACCELERATOR CABLE	1	all 998cc models
	CAHT85	ACCELERATOR CABLE	1	special tuning cable
		(Nylon inner sleeved to create smoother action. 5 inches longer making it ideal for Weber/Dellorto fitment).		
	SBB10099	ACCELERATOR CABLE, RHD	1	1300 Cooper
	MCR104	ACCELERATOR CABLE, RHD	1	SBB10099 alternative
	SBB10126	ACCELERATOR CABLE, LHD	1	1300 Cooper
	SBB102510	ACCELERATOR CABLE, RHD	1	late spi VIN 604847 on
	SBB103400	ACCELERATOR CABLE, RHD	1	mpi 96 on
	SBB103720	ACCELERATOR CABLE, LHD	1	mpi 96 on
	NNS10001	SWITCH, ECU	1	accelerator pedal switch
		(Input (ECU) electric control unit spi).		
55	11H1172	CLIP, cable to pedal	1	from VIN253000 to VIN303802
	DCP7342	CLIP, cable to pedal	1	from VIN303803 on
56	21A1202	CHOKE CABLE	1	MK1 + 2
	21A2329	CHOKE CABLE	1	998cc to VIN278182
	SBF10027	CHOKE CABLE	1	998cc from VIN278183
	SBF10031	CHOKE CABLE	1	Cooper 1300
	MCR105	CHOKE CABLE	1	SBF10031 alternative
57	AUE34	NIPPLE, cable end	1/2	qty reduced for 998cc
60	CZK6491	CLIP, choke cable to bracket	1	
	SAB101220MUN	PEDAL ACCELERATOR, assembly	1	bright finished
		(Accelerator pedal inc bracket (std on cooper injection easy retro fit)).		



No.	Part Number	Description	Reqd.	Details
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CLUTCH AND CLUTCH HOUSINGS ▲

Diaphragm Clutches To 1984

1	GCK100AF	CLUTCH KIT	1	contains items 2, 3, 4
2	GCP204AF	CLUTCH PLATE	1	
	GCP596	CLUTCH PLATE, road rally	1	
3	GCC103	CLUTCH COVER, (diaphragm)	1	
	GCC481	CLUTCH COVER, road rally	1	
	GCC482	CLUTCH COVER, rally race	1	
4	GRB238	RELEASE BEARING	1	
5	22A598	PRESSURE PLATE	1	
	CAHT230	PRESSURE PLATE	1	lightweight 3.56.lbs
6	2A3657	SCREW	3	diaphragm to plate
7	GHF323	WASHER, shake-proof	3	
8	2A3658	STRAP, driving	6	road use or 9 for race/rally
9	2A3659	SCREW, strap to flywheel	3	
10	2A3512*	LOCKTAB, for above	3	
11	GHF302	WASHER	3	
14	12G3014	FLYWHEEL	1	
	CAEG619	FLYWHEEL, steel	1	super light flywheel 8.38lbs (For 107 tooth ring gear with inertia starter motor).
	CAEG620	FLYWHEEL, steel	1	super light flywheel 8.38lbs (For 129 tooth ring gear with pre-engaged starter motor).
	CAEG421	FLYWHEEL, steel	1	light weight 11lbs (For 107 tooth ring gear with inertia starter motor).
	CAEG420	FLYWHEEL, steel	1	light weight 11lbs (For 129 tooth ring gear with pre-engaged starter motor).
15	12G676	RING GEAR	1	wide type (Standard manual transmission 107 tooth)
	22G2613	RING GEAR	1	thin type (As used on race fly wheels 107 tooth)
16	88G508	KEY, flywheel to crankshaft	1	
17	22A747	BOLT, flywheel	1	
18	22A1155*	LOCKTAB, flywheel bolt	1	

Verto Clutches 1984 On

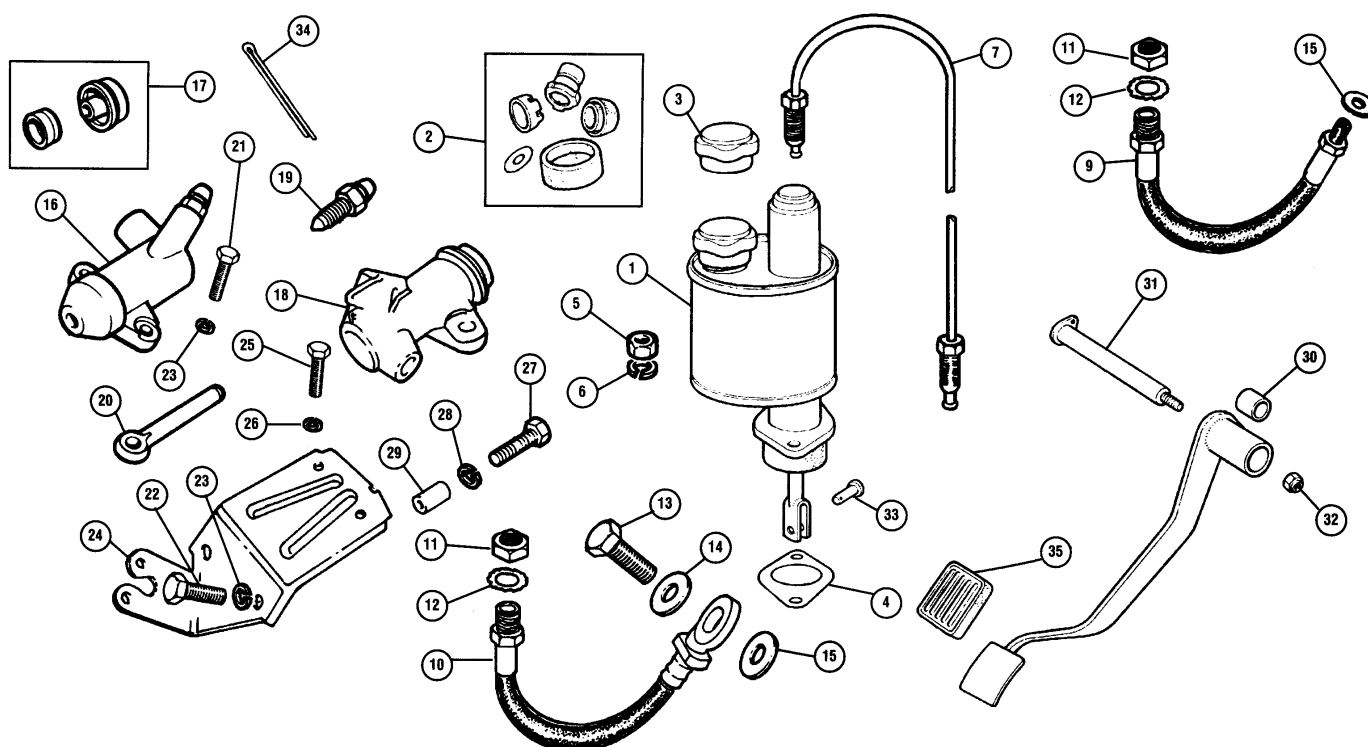
Verto manufactured clutches were first used on the Metro range in 1983, to counter problems with clutch judder and reliability. They were built as an assembly and dynamically balanced to reduce these problems. Although it is possible to purchase component parts, we only offer the assembly as it promises less maintenance and reduces the risk of a juddering clutch.

20	GCU90107	CLUTCH ASSEMBLY	1	inertia starter
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No.	Part Number	Description	Reqd.	Details
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	GCU90115AF	CLUTCH ASSEMBLY	1	pre-engaged starter
	GCU90122AF	CLUTCH ASSEMBLY	1	Cooper 1300 & SE
	GCU90121AF	CLUTCH ASSEMBLY	1	91 on spi
20a	GCP90311AF	CLUTCH PLATE	1	1000cc
	GCP204AF	CLUTCH PLATE	1	1300cc
	GCP596	CLUTCH PLATE, road rally	1	
20b	GCK149AF	CLUTCH KIT	1	1000cc (181mm centre plate, diaphragm and release bearing).
	GCK149AFZ	CLUTCH KIT	1	1275cc (190mm centre plate, diaphragm and release bearing).
21	GRB239	RELEASE BEARING	1	
22	AHU1564	THRUST SLEEVE	1	
23	DAM5922	BOLT, with lock-washer	1	
24	DAM5923	KEY, crankshaft to fly wheel	1	
25	DAM2821	DUSTSHIELD, primary gear seal	1	
26	12G2445	RING GEAR, 107 teeth	1	inertia starter
	PSF10003	RING GEAR, 129 teeth	1	pre-engaged starter (Verto or pre-Verto fly wheel with pre-engaged starter).
27	BAU2319	BOLT, cover fixing	6	
28	BAU2320	WASHER, cover fixing	6	
	BAU4716	BOLT & WASHER	6	
29	13H7848	BEARING, idler gear	1	1.065" OD-0.750" ID
	DAM3745	BEARING, idler gear	1	1.375" OD-0.750" ID
	AHU1707	BEARING, idler gear	1	1.375" OD-0.875" ID
30	AAU8424	BEARING, 1st motion shaft spigot	1	
31	2A3643	SPRING RING, for above	1	
33	13H2934	OIL SEAL	1	
	LUF10005	OIL SEAL, improved seal	1	standard 91 on
34	88G300	COVER, with timing hole	1	
35	22A2237B	GASKET, housing to transmission	1	
36	BH605141	SCREW, housing to block	3	long
	DAM7758	BOLT, Flanged, housing to block	3	long
	GHF103	SCREW, housing to block (short)	3	
38	FNZ505	NUT, housing (stud from g/box)	9	
39	GHF332	WASHER, locking	9	
41	DAM7755	SCREW, cover to housing	7	
	ADU4026	SCREW, cover to housing	1	
42	GHF301	WASHER, plain	1	
	GHF332	WASHER, spring	1	use with DAM7755
43	22A1299	PLATE, dowel retaining	1	
46	22A180	PLUNGER, clutch (press fit)	1	to 1979
	DAM1955	PLUNGER, clutch (floating fit)	1	79-84

Note: Always renew DAM2413 when replacing release bearing.



No.	Part Number	Description	Reqd.	Details
47	DAM2413	RING, locking, plunger to bearing	1	
48	DAM5353	PLUNGER	1	Verto clutches
49	AAU2866	O' RING, plunger to bearing	1	use with DAM5353
50	22A427	STOP, plunger	1	
51	NT610041	NUT, plunger stop locking	1	
52	22A2204	LEVER, clutch release (long)	1	diaphragm clutches
53	DAM5355	LEVER, clutch release (short)	1	Verto clutches
	DAM5355Z	LEVER, clutch release (short)	1	Verto clutches
54	CLZ628	CLEVIS PIN, clutch pivot	1	
55	GHF302	WASHER	1	
56	GHF502	SPLIT PIN	1	for CLZ628
57	GHF101	SCREW, clutch lever stop	1	
58	FNZ604	LOCKNUT	1	
59	CLZ518	CLEVIS PIN	1	
60	2A3601	SPRING PLATE, lever end	1	
61	GHF301	WASHER	1	
62	GHF502	SPLIT PIN	1	
63	1G5999	SPRING, clutch arm return	1	
64	2A3600	SPRING PLATE, slave cyl end	1	
65	18G8086	LOCK TAB SET	1	

(This set contains all lock tabs required for re-assembly of the flywheel housing, on later cars shouldered bolts are used instead of studs, these replace the lock tabs as they are self locking).

CLUTCH HYDRAULICS & PEDAL ▲

1	GMC1008	MASTER CYLINDER, clutch	1	
2	GRK3004	SEAL KIT, 2 ring seals	1	early spec
	GRK3004Z	SEAL KIT, 2 ring seals	1	early spec
	GRK3007	SEAL KIT, 1 ring seal, 1 cap seal	1	late spec
	GRK3007Z	SEAL KIT, 1 ring seal, 1 cap seal	1	late spec
3	513123A	CAP, fluid reservoir	1	
4	31G279	WASHER, under master cylinder	1	
5	FNZ505	NUT, master cylinder to bracket	2	
6	GHF332	WASHER, locking	2	
7	GPP12AA	PIPE, master cylinder to hose	1	RHD
	GPP32AA	PIPE, master cylinder to hose	1	LHD
9	GVP1020	HOSE, pipe to slave cylinder	1	diaphragm clutches
	21A2234Z	HOSE, pipe to slave cylinder	1	to 1980
	GAC0080	HOSE, pipe to slave cylinder	1	stainless steel braided
		(From master cylinder to slave cylinder eliminates use of solid intermediate pipe, diaphragm clutches).		
	GAC8446X	HOSE, pipe to slave cylinder	1	to 83 S/S braided
		(Diaphragm clutches).		
10	GVP1009	HOSE, pipe to slave cylinder	1	Verto clutches
	GVP1009Z	HOSE, pipe to slave cylinder	1	Verto clutches

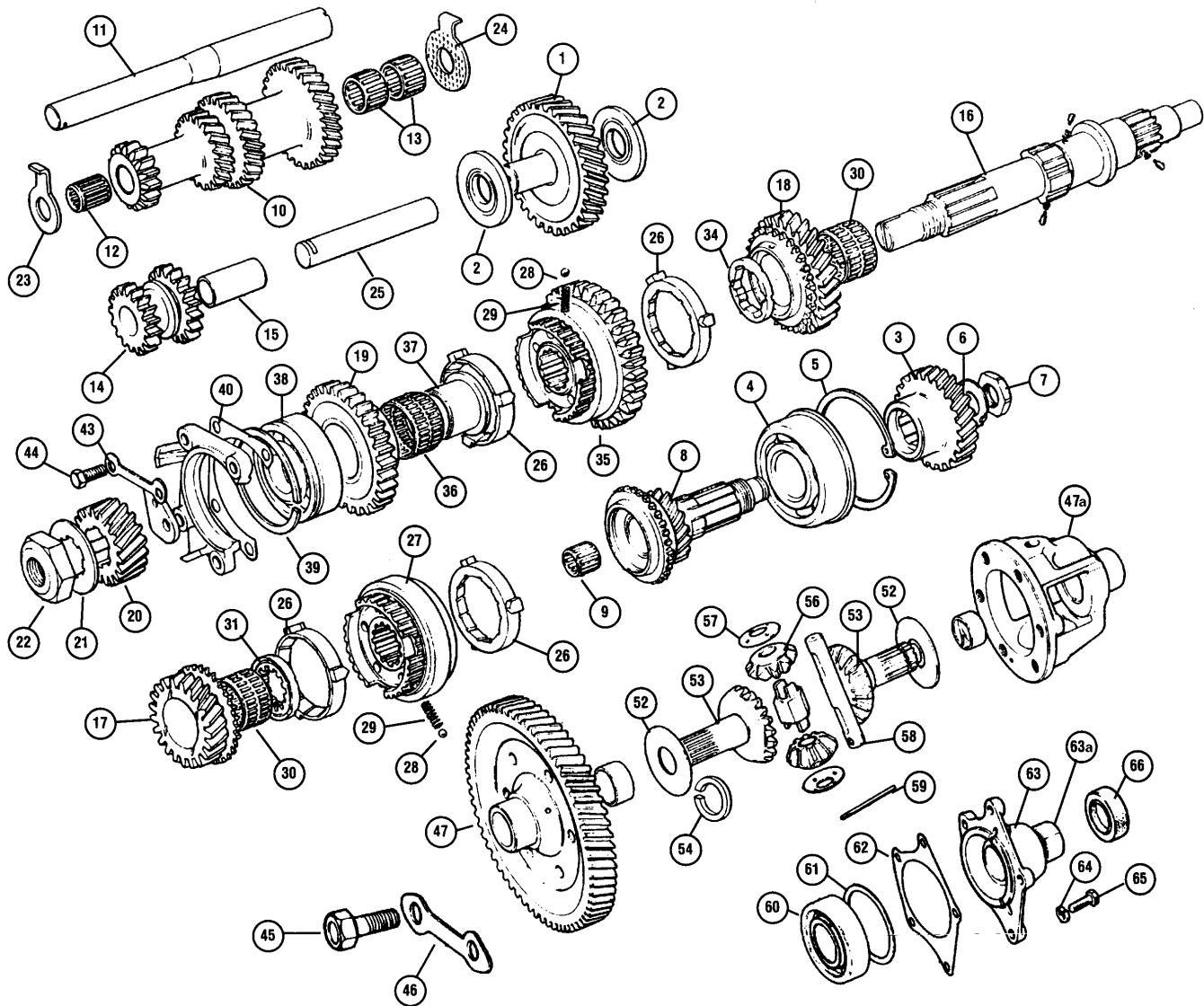
	GAC8447X	HOSE, pipe to slave cylinder	1	83 on S/S braided
		(Banjo end, Verto clutches).		
	MT2401	HOSE, pipe to slave cylinder	1	83 on S/S braided
		(Master cylinder to slave cylinder, Banjo both ends, Verto clutches).		
11	2K8686	NUT, pipe to bulkhead	1	
12	WE600101	WASHER, locking	1	
13	C5192A	BOLT, banjo, hose to cylinder	1	Verto clutches
14	3H550	WASHER, copper, large	1	
15	233220A	WASHER, copper, small	1	
16	GSY110	SLAVE CYLINDER	1	diaphragm clutches
17	GRK4008	SEAL KIT	1	hose screw into body
	GRK4008Z	SEAL KIT	1	hose screw into body
18	GSY118	SLAVE CYLINDER	1	Verto clutches
17	GRK4001	SEAL KIT	1	banjo holds hose to body
19	3H2428	BLEED NIPPLE	1	
20	13H396	PUSH ROD	1	

Note: for clevis pin & fittings please see page 142.

21	SH506101	SCREW, slave cylinder to housing	2	to fit GSY110
22	GHF105	SCREW, slave cylinder to plate	2	to fit GSY118
23	GHF333	WASHER, locking	2	
24	DAM5992	PLATE, slave cylinder	1	
25	GHF165	SCREW, plate to housing	2	
26	GHF333	WASHER, locking	2	
27	SH604141	BOLT, plate to housing via spacer	1	use with GSY118
28	GHF331	WASHER, spring	1	
29	ADU7036	SPACER	1	
30	2A3034	BUSH, in pedal	2	for brake & clutch
31	2A5880	PIVOT PIN	1	
32	GHF222	NUT, nyloc	1	
33	CLZ512	CLEVIS PIN, pedal to master cylinder	2	
34	GHF503	SPLIT PIN	2	
35	GPR104	RUBBER, brake & clutch pedal	2	to 1976
	GPR107A	RUBBER, brake & clutch pedal	2	1976-90
	SZU10001	RUBBER, brake & clutch pedal	2	1990 on

CLUTCH & BRAKE FLUIDS

GBF4102	BRAKE/CLUTCH FLUID, dot 4	a/r	500ml
GBF4103	BRAKE/CLUTCH FLUID, dot 4	a/r	1 litre
GBF4104	BRAKE/CLUTCH FLUID, dot 4	a/r	5 litre
ABF3	BRAKE/CLUTCH FLUID	a/r	silicone 500ml
ABF4	BRAKE/CLUTCH FLUID	a/r	silicone 1 litre
GBF5102	BRAKE/CLUTCH FLUID, dot 5	a/r	racing 500ml
GBF5103	BRAKE/CLUTCH FLUID, dot 5	a/r	racing 1 litre



No.	Part Number	Description	Reqd.	Details
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GEARBOX INTERNALS ▲

1	22G943	GEAR, idler 31 teeth, shaft dia 0.75"	1	pre A +
	CSTR30	GEAR, idler 30 teeth, shaft dia 0.75"	1	pre A+ straight cut EVO
	CSTR30T	GEAR, idler 30 teeth, shaft dia 0.75"	1	pre A+ straight cut EVO (Timken bearing).
	DAM2924	GEAR, idler 37 teeth, shaft dia 0.875"	1	998cc A+ & Cooper 1300
	CSTR30A	GEAR, idler 30 teeth, shaft dia 0.875"	1	A+ straight cut EVO
	CSTR30TA	GEAR, idler 30 teeth, shaft dia 0.875"	1	A+ straight cut EVO (Timken bearing).
	MRAC104	DROP GEARS S/C, straight cut set	1	1-1 ratio 1275 A+
	MRAC105	DROP GEARS S/C, straight cut set	1	1-1 ratio 1275 A

Thrust Washers For Pre A+

2	22A1545	THRUST WASHER, idler, (green)	a/r	0.130-0.131"
	22A1546	THRUST WASHER, idler, (black)	a/r	0.132-0.133"
	22A1547	THRUST WASHER, idler, (white)	a/r	0.134-0.135"
	22A1548	THRUST WASHER, idler, (blue)	a/r	0.136-0.137"
	22A1549	THRUST WASHER, idler, (red)	a/r	0.138-0.139"
	DAM4822	THRUST WASHER, idler, (no code)	a/r	0.131-0.133"

Thrust Washers For A+

	DAM4823	THRUST WASHER, idler, (yellow)	a/r	0.134-0.135"
	DAM4824	THRUST WASHER idler, (red)	a/r	0.136-0.137"
	DAM4825	THRUST WASHER idler, (blue)	a/r	0.138-0.139"

No.	Part Number	Description	Reqd.	Details
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3	22G849	GEAR, 1st motion, 24 teeth	1	pre A+
	DAM2925	GEAR, 1st motion, 29 teeth	1	998cc A+ & Cooper 1300
	CSTR230	GEAR, 1st motion, 23 teeth	1	straight cut EVO
	CSTR240	GEAR, 1st motion, 24 teeth	1	straight cut EVO (Can be used with different primary gear to change gear ratio).
	CSTR250	GEAR, 1st motion, 25 teeth	1	straight cut EVO (Can be used with different primary gear to change gear ratio).
	MRAC104	DROP GEARS S/C, straight cut set	1	1-1 ratio 1275 A+
	MRAC105	DROP GEARS S/C, straight cut set	1	1-1 ratio 1275 A
4	ADU7619	BALL BEARING, 1st motion	1	
5	22G850	CIRCLIP, bearing	1	alternatives
	22G851	CIRCLIP, bearing	1	
6	DAM4000	LOCK TAB, washer	1	
7	2A3548	NUT	1	
8	22G1093	SHAFT, 1st motion	1	
	2A3643	CIRCLIP, 1st motion shaft	1	holds nose bearing in place
9	CHM172	BEARING, needle	1	
10	22G927	LAYGEAR, (15, 20, 25, 29 teeth)	1	
11	22A1371Z	LAYSHAFT	1	3 sync gearbox
	22G931	LAYSHAFT	1	engine No ranges to
12	13H9513	BEARING, n/roller, small end	1	99H829P/871
13	CHM141	BEARING, n/roller, large end	1pr	99H889AJ/423
14	22G1852	GEAR, reverse idler	1	99H889V/2864 +
15	22G825	BUSH, reverse gear	1	to 99H791P/320664
16	22G833	SHAFT, 3rd motion	1	
17	22G1095	SPEED GEAR, 3rd	1	

No.	Part Number	Description	Reqd.	Details
18	22G1094	SPEED GEAR, 2nd	1	
19	22G1096	SPEED GEAR, 1st	1	
20	22A413	PINION, final drive (3.44:1)	1	
8	DAM3092	SHAFT, 1st motion	1	
	2A3643	CIRCLIP, 1st motion shaft	1	holds nose bearing in place
9	13H9513	BEARING, needle roller	1	
10	DAM3169	LAYGEAR (15, 20, 25, 29 teeth)	1	
11	DAM3187	LAYSHAFT	1	
12	13H9513	BEARING, n/roller, small end	1	A+ engine ranges
13	22G855A	BEARING, n/roller, large end	1	99H829P/872 on
14	DAM3189	GEAR, reverse idler (1 bush)	1	99H889AJ/4234 on
	DAM8046	GEAR, reverse idler (2 bush)	1	99H889V/2865 on
15	22G825	BUSH (for DAM3189)	1	99H791P/320665 on
	TUJ10001	BUSH (for DAM8046)	2	to 99H791P/Z500101
16	DAM168	SHAFT, 3rd motion	1	to 99HA53/P100101
	DAM7484	SHAFT, 3rd motion	1	
17	22G1095	GEAR, 3rd speed	1	
18	22G1094	GEAR, 2nd speed	1	
19	22G1096	GEAR, 1st speed	1	
20	DAM2679	PINION, final drive (3.44:1)	1	
	DAM5927	PINION, final drive (2.95:1)	1	
8	DAM3167	SHAFT, 1st motion	1	18 teeth 1275GT
	DAM4930	SHAFT, 1st motion	1	17 teeth
	2A3643	CIRCLIP, 1st motion shaft	1	holds nose bearing in place
9	13H9513	BEARING, needle roller	1	
10	DAM4931	LAYGEAR (15, 21, 26, 30 teeth)	1	A + engine ranges
11	DAM3187	LAYSHAFT	1	99H791P/Z500101 on
12	13H9513	BEARING, n/roller, small end	1	99HA53P/100101 on
13	22G855A	BEARING, n/roller, large end	1	all 99HB81P, B83P,
14	TUB10020	GEAR, reverse idler (1 bush)	1	B84P, B85P, C20P,
	DAM8046	GEAR, reverse idler (2 bush)	1	D80P, D81P, D83P,
15	TUJ10001	BUSH, reverse gear	1/2	E20, E22, F15, F16,
16	DAM7484	SHAFT, 3rd motion	1	G30, G31, G32, G33
17	DAM4933	GEAR, 3rd speed	1	and all Cooper 1300
18	DAM4932	GEAR, 2nd speed	1	
19	22G1096	GEAR, 1st speed	1	
20	DAM2679	PINION, final drive (3.4:1)	1	
	DAM2808	PINION, final drive (3.1:1 / 3.2:1)	1	
21	DAM6140	LOCK TAB, pinion to 3rd motion shaft	1	
22	22G48	NUT, pinion	1	
		(Use with 3rd motion shaft 22G833 & DAM168).		
	DAM7485	NUT, pinion	1	
		(Use with 3rd motion shaft DAM7484).		

Thrust Washers For Pre A+

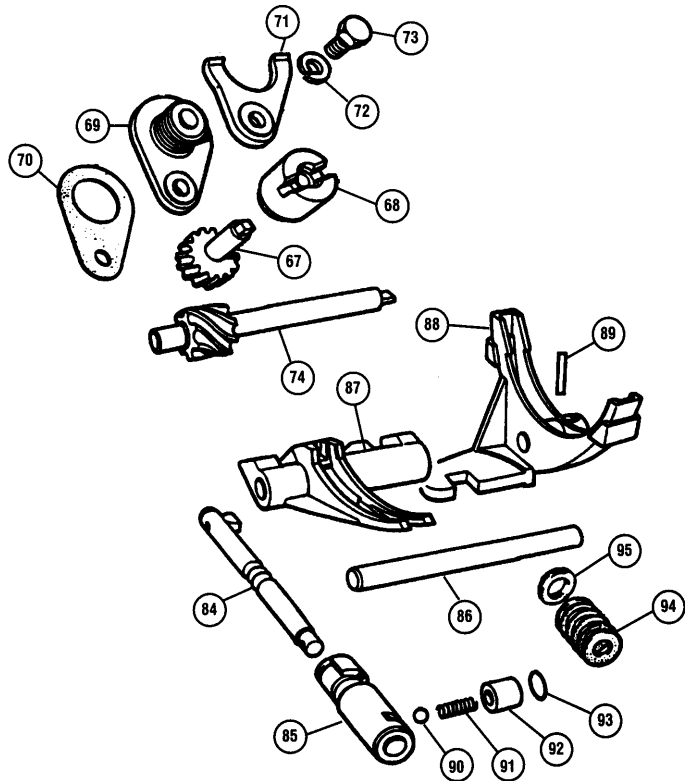
23	22G856	T/WASHER, laygear (0.123-124")	a/r	(3.12-3.14mm)
	22G857	T/WASHER, laygear (0.125-126")	a/r	(3.17-3.20mm)
	22G858	T/WASHER, laygear (0.127-128")	a/r	(3.22-3.25mm)
	22G859	T/WASHER, laygear (0.130-131")	a/r	(3.30-3.32mm)

Thrust Washers For A+

	DAM3180	T/WASHER, laygear (0.121-123")	a/r	(3.07-3.12mm)
	DAM3181	T/WASHER, laygear (0.124-126")	a/r	(3.10-3.20mm)
	DAM3182	T/WASHER, laygear (0.127-129")	a/r	(3.22-3.27mm)
	DAM3183	T/WASHER, laygear (0.130-132")	a/r	(3.30-3.35mm)
24	22G860	T/WASHER, laygear large	1	

25	DAM8038	SHAFT, reverse idler gear	1	
26	22G2033	BAULK RING	4	all gears
27	DAM7456	HUB, 3rd & 4th synchro	1	
28	BLS107	BALL BEARING, synchro hubs	6	3 per hub
29	22G2262	SPRING, synchro hubs	6	3 per hub
30	AAU1816	BEARING, 2nd & 3rd gear	2	needle roller
31	22G947	THRUST WASHER, 3rd gear	1	
34	22G839	THRUST WASHER, 2nd gear	1	
35	DAM7455	HUB, synchro, 1st & 2nd	1	
36	AAU1815	BEARING, needle roller	1	
37	22G837	JOURNAL, 1st gear	1	
38	AAU1365	BALL BEARING, 3rd motion shaft	1	
39	22G72	SPRING RING, 3rd motion bearing	1	
40	2A3714	SHIM, 0.002"	a/r	
	2A3715	SHIM, 0.010"	a/r	
43	DAM2377	LOCK TAB	2	
44	SH505071	SCREW, retainer	4	
45	ATA7043	BOLT, crown wheel to cage	6	
46	ATA7385	LOCK TAB, crown wheel bolt	3	

No.	Part Number	Description	Reqd.	Details
Crown Wheels For Pre A+				
47	22A411	CROWN WHEEL, 62 teeth, 3.4:1	1	18 tooth pinion
	DAM2677	CROWN WHEEL, 62 teeth, 3.4:1	1	17 tooth pinion
Crown Wheels For A+				
	DAM6327	CROWN WHEEL, 59 teeth, 3.1:1	1	19 tooth pinion
	DAM2806	CROWN WHEEL, 61 teeth, 3.2:1	1	19 tooth pinion
	DAM5925	CROWN WHEEL, 59 teeth, 2.95:1	1	20 tooth pinion
Competition Crown Wheel And Pinion Sets				
	CBTA1001	CROWN WHEEL + PINION, 3.46:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1002	CROWN WHEEL + PINION, 3.76:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1003	CROWN WHEEL + PINION, 3.93:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1004	CROWN WHEEL + PINION, 4.07:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1005	CROWN WHEEL + PINION, 4.31:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1006	CROWN WHEEL + PINION, 4.57:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1007	CROWN WHEEL + PINION, 4.67:1	1	(Stronger semi helical cut teeth for std or cross pin diffs).
	CBTA1250	CROWN WHEEL + PINION, 3.46:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
	CBTA1248	CROWN WHEEL + PINION, 3.76:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
	CBTA1252	CROWN WHEEL + PINION, 3.93:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
	CBTA1246	CROWN WHEEL + PINION, 4.07:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
	CBTA1251	CROWN WHEEL + PINION, 4.23:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
	CBTA1249	CROWN WHEEL + PINION, 4.31:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
	CBTA1253	CROWN WHEEL + PINION, 4.67:1	1	(Stronger semi helical cut teeth for limited slip diffs only).
47a	MRAC106	DIFF UNIT, cross pin	1	four planet gears
	CAJJ3385	DIFF UNIT, cross pin	1	four planet gears EVO
	CAJJ3387	DIFF UNIT, race limited slip diff	1	(90/35 ramped Evolution LSD is an upgraded version of the popular Salisbury clutch type LSD).
	CAJJ3387A	DIFF UNIT, rally limited slip diff	1	45/45 ramp
	CAJJ3387B	DIFF UNIT, rally limited slip diff	1	90/50 ramp
51	ATA7378	BUSH	2	diff housing & crown wheel
52	BTA101	THRUST WASHER, fibre	2	
53	22G1952	SHAFT, diff output	2	pre A+
	DAM3114	SHAFT, diff output	2	all A+
	CBTA1262	SHAFT, diff output	2	limited slip diffs only for pot joints (GCV1102)
	CBTA1263	SHAFT, diff output	2	ltd slip diffs only for Hardy Spicer joints (27H7880)
	CCN122	CIRCLIP, LSD output shaft	2	required to hold output shafts to diff side plate
54	22G2688	CIRCLIP, output shaft	2	
56	2A7015	PLANET GEAR	2	pre A+
	DAM6624	PLANET GEAR	2	all A+
57	2A7062	T/WASHER, planet gear to cage	2	no lip
	DAM5071	T/ WASHER, planet gear to cage	2	with lip
58	22G2583	DIFF PIN	1	
	C-BTA166	DIFF PIN, competition	1	
59	RPS1418	ROLL PIN, cross pin to diff cage	1	
60	AHU1856	BEARING, diff cage	1	
61	2A3535	SHIM, diff bearing (0.002")	a/r	
	2A3534	SHIM, diff bearing (0.003")	a/r	
	DAM3108	SHIM, diff bearing (0.006")	a/r	
	DAM3109	SHIM, diff bearing (0.010")	a/r	
62	TRK10004B	GASKET, output shaft cover	2	
63	CHM85	HOUSING, output shaft	2	
63a	2A3538	BUSH, output shaft housing	2	
64	GHF332	WASHER, locking	10	
65	SH505101	SCREW	10	bearing to diff housing
66	ADU5738	SEAL, output shaft housing	2	



No.	Part Number	Description	Reqd.	Details
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GEARBOX INTERNALS

Continued

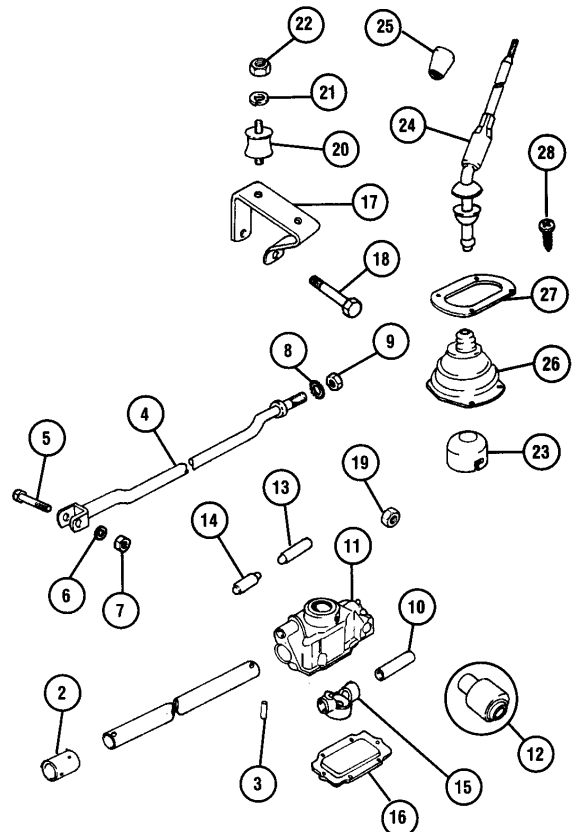
	AHU1082	SEAL, output shaft housing	2	Hardy Spicer S type
	22A1616	SEAL, output shaft housing	2	auto pre pot joint
67	22A1881	PINION, speedo 17 teeth	1	to 1984 (10" wheels)
	DAM2905	PINION, speedo 16 teeth	1	(12" wheels)
68	2A3624	BUSH, metal seating	1	
69	DAM8488	ADAPTOR, speedometer	4	cable to pinion housing
70	2A3628	GASKET	1	
71	22A862	FORK	1	
72	GHF331	WASHER, locking	1	
73	SH504071	SCREW, fork retaining	1	
74	2A3720	SPINDLE, speedo drive (6 teeth)	1	10" wheels
	DAM6028	SPINDLE, speedo drive (7 teeth)	1	blue gear 12" wheels
84	22G1858	SHAFT SELECTOR	1	
85	22G1844	INTERLOCKING SPOOL	1	
86	22G1854	SHAFT SELECTOR	1	for selector forks
87	DAM7425	SELECTOR FORK, 1st & 2nd	1	
88	DAM7426	SELECTOR FORK, 3rd & 4th	1	
	TSP100400	SELECTOR FORK, 3rd & 4th	1	
89	22G2595	ROLL PIN, (fork to rod) 3rd & 4th	1	
90	BLS110	DETENT BALL	1	
91	22G2083	DETENT SPRING	1	
92	22G1870	DETENT SLEEVE	1	
93	22G1417	O' RING, for sleeve	1	
94	DAM3022	GAITER, rod change oil seal	1	
95	AHU1672	SEAL, oil, rod change	1	
	CAJJ4014	GEAR KIT, remote	1	straight cut
	CSTN76	GEAR KIT, rod	1	straight cut
	CSTN77	GEAR KIT, rod A+	1	straight cut
	GAC8448X	PICK UP PIPE, central	1	

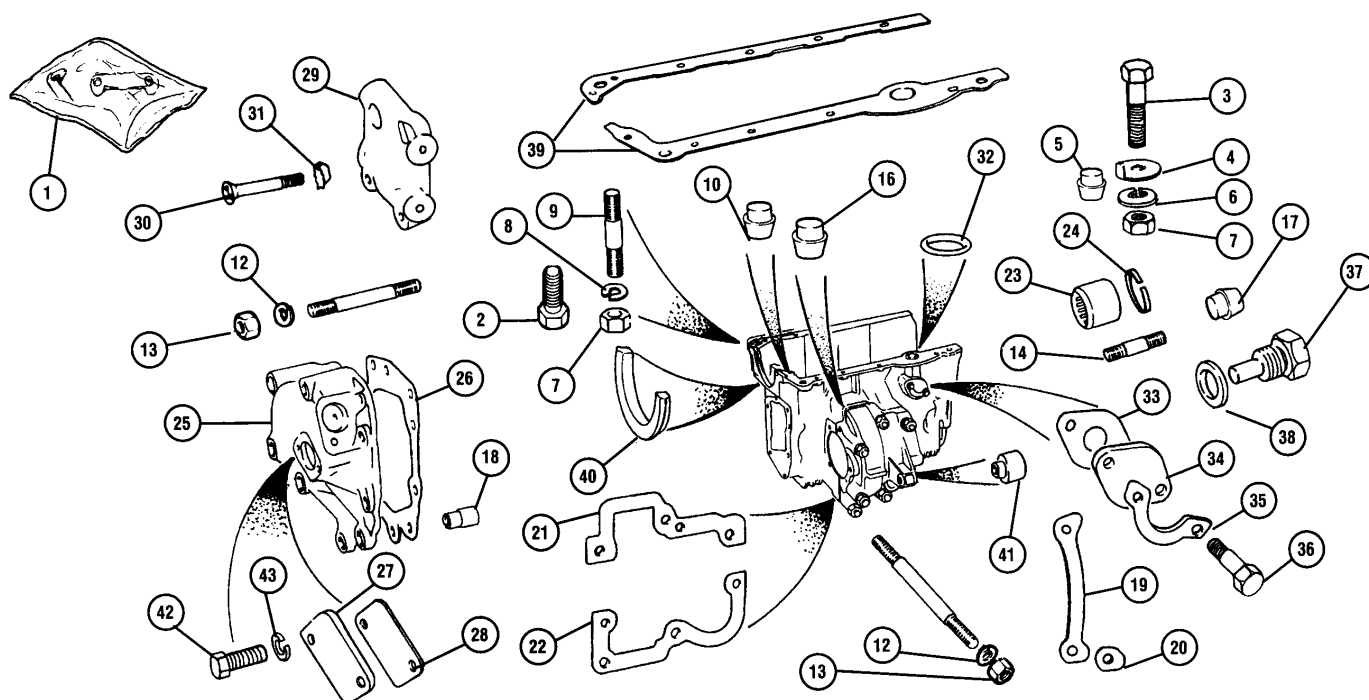
(To ensure a constant supply of oil during hard cornering).

No.	Part Number	Description	Reqd.	Details
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GEAR LEVER & FITTINGS

1	22G1930	EXTENSION ROD, to gear lever	1	
2	42H1116	COUPLING, for extension rod	1	
3	RPS1416	ROLL PIN	3	Coupling & extension rod
4	22A1936	STEADY ROD, g/box to g/lever	1	
	DAM5067	STEADY ROD, g/box to g/lever	1	998cc to 1985
	UKN10032	STEADY ROD, g/box to g/lever	1	1300cc 1985 on
5	BT605161	BOLT, steady rod to gearbox	1	
6	GHF301	WASHER, locking	1	
7	LNZ105	NUT	1	
8	WA112081	WASHER, star	1	
9	GHF275	NUT	1	
10	42H1199	ROD, eye support-small type	1	
11	DAM3670	HOUSING, gear lever	1	
12	42B413	BUSH, housing steady	1	
13	DAM2670	RETAINER PIN, long, gear lever	1	gear lever locator
14	22G2277	RETAINER PIN, short, gear lever	1	
15	22G2792	EYE, extension rod	1	
	22G389	BUSH SEAT	1	cup seat bottom of g/ lever
16	DAM8621	BASE PLATE, gear lever housing	1	
17	22G2026	BRACKET, floor to housing	1	
18	BT606281	BOLT, bracket to housing	1	
19	LNZ106	NUT, locking	1	
20	22G2205	MOUNTING, bracket to housing	2	
	21A956Z	MOUNTING REAR	1	remote gear housing to under floor bracket
21	GHF332	WASHER	4	
22	GHF201	NUT	4	
23	22G1434	RETAINER, gear lever	1	
24	22A1932	ASSEMBLY, gear lever	1	
	MRAC1751	GEAR LEVER, quick shift	1	rod type
	KAD1013218	GEAR LEVER, quick shift	1	remote type
25	DAM4440	KNOB, gear lever	1	
26	CZH4278	GAITER, gear lever	1	
27	FJN10003	RETAINER, for gaiter	1	
28	GHF426	SCREW, gaiter retainer	4	





No.	Part Number	Description	Reqd.	Details
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GEARBOX EXTERNALS ▲

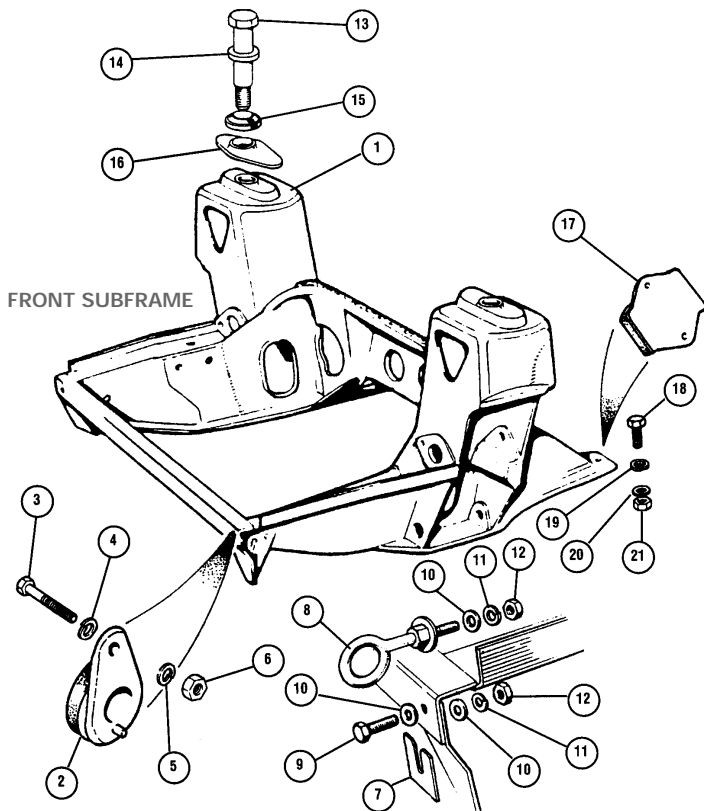
1	18G8085	KIT, gearbox lock tabs	1	
2	GHF102	BOLT, long, block to gearbox	5	
	GHF101	SCREW, short, block to gearbox	5	
3	BH604141	BOLT, rear dowel	1	
4	12A1150	COLLAR, rear of block	1	
5	2H983	DOWEL, hollow block to g/box	1	rear
6	GHF300	WASHER, locking	1	
7	GHF200	NUT, plain, block to gearbox	1	
8	GHF331	WASHER, spring 1/4"	13	
9	FHS2410	STUD, thin flange block	2	A+ models
10	12H1824	DOWEL, block to gearbox,	1	(front)
11	TAM1617	STUD, long	4/2	
	22G1834	STUD, short	2	
12	GHF332	WASHER, locking	6	
13	FNZ506	NUT, diff housing stud 3/8" UNF	4	
	FNZ505	NUT, diff housing stud+front cover	6	5/16" UNF
14	22A152	STUD, flywheel housing, long	6	
	53K547	STUD, flywheel housing, short	3	
16	22A153	DOWEL, diff housing	2	
17	22A97	DOWEL, flywheel housing	2	
18	22A13	DOWEL, speedo drive housing	2	
19	42H500	LOCKTAB, diff housing	1	
20	22A251	LOCKTAB, diff housing	1	
21	2A3505B	GASKET, upper, diff housing	1	
22	2A3506B	GASKET, lower, diff housing	1	pre rod change
	22G1836B	GASKET, lower, diff housing	1	rod change
	GAC8000	RTV SILICONE COMPOUND	1	
(Rover now use silicone in place of these gaskets for upper and lower diff housing).				
23	13H7848	BEARING, idler gear	1	(1.065" O/D, 0.750" I/D)
	DAM3745	BEARING, idler gear	1	(1.375" O/D, 0.750" I/D)
	AHU1707	BEARING, idler gear	1	(1.375" O/D, 0.875" I/D)
24	51K3565	CIRCLIP, (when 13H7848 fitted)	1	
25	DAM5219	COVER, speedo drive housing	1	
26	22A541B	GASKET, drive housing	1	
28	GUG5503GM	GASKET, speedo drive case plate	1	
29	12G1318	ADAPTOR PLATE, rad' mounting	1	
30	12G1319	SCREW, adaptor, gearbox casing	1	
31	6K9012	WASHER, locking	1	
32	2A3606	O RING, oil suction	1	case to block
33	22A542B	GASKET, oil drilling	1	
34	2A3637	PLATE, oil drilling blanking	1	

No.	Part Number	Description	Reqd.	Details
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	MS3313	MAGNETIC TRAP	1	
				(replaces plate with magnetic sump plug extra safety in oil delivery pipe).
35	2K4874	LOCKTAB	1	
36	BH604131	BOLT, blanking plate to block	2	
37	DAM7335	DRAIN PLUG, magnetic	1	
38	AED172	WASHER, drain plug	1	
39	GUG3007SG	GASKET SET, gearbox to engine	1	
	GUG3007SGA	GASKET, gearbox to engine	1	front gasket
	GUG3007SGB	GASKET, gearbox to engine	1	rear gasket with hole for oil pipe
40	AHU1959	SEAL	1	cruscent front of crank
	AHU1959Z	SEAL	1	to gearbox case
41	13H7286	BUSH, gear lever steady rod	1	
42	SH504061	SCREW, adaptor plate to housing	2	
43	GHF331	WASHER, spring	2	
	GUG708010TS	GASKET SET, gearbox	1	
	GUG708010TSZ	GASKET SET, gearbox	1	

RECONDITIONED GEARBOXES

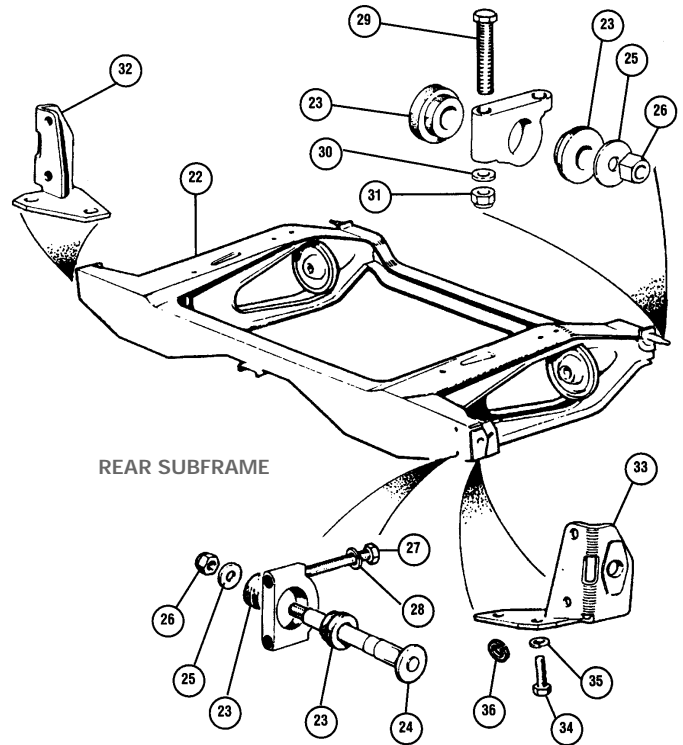
MT2101	GEARBOX, reconditioned (exchange)	1	rod type
MT2102	GEARBOX, reconditioned (exchange)	1	remote type



No. Part Number Description Req'd. Details

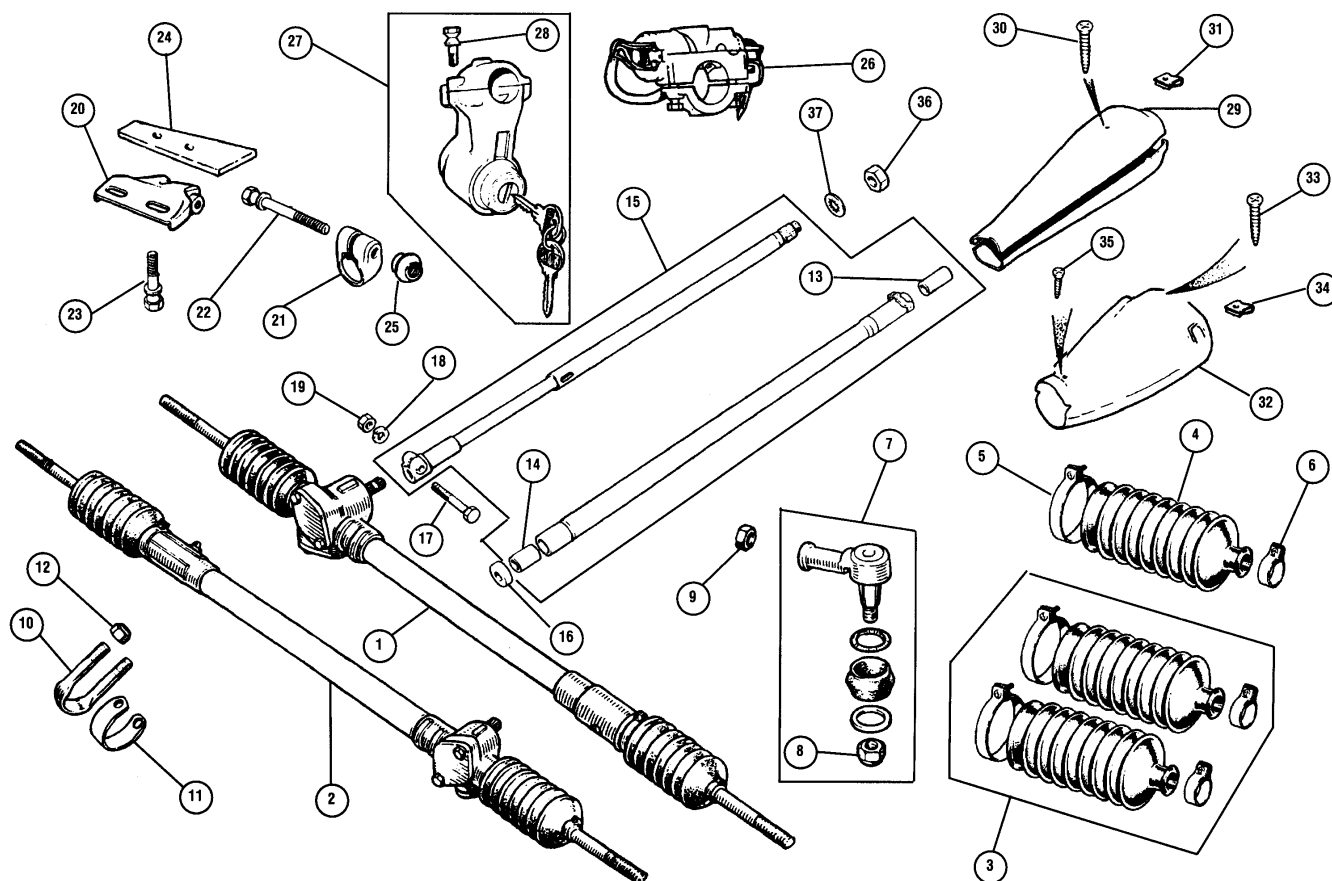
FRONT SUBFRAME ▲

1	NLA 21A2774	FRONT SUBFRAME, dry suspension FRONT SUBFRAME, dry suspension (Lower steady bar fitted to LH rear of subframe).	1 1	to 1975 (21A2570) 1974-1976
	KGB10022	FRONT SUBFRAME, dry susp'	1	1976 on
	FAM8108Z	FRONT SUBFRAME, repro	1	998cc
	KGB10027	FRONT SUBFRAME, genuine	1	Cooper 1300
	HMP241001	FRONT SUBFRAME, complete (Lower steady bar fitted to RH front of subframe. Includes hubs, brakes, drive shafts, suspension cones).	1	76 to 98
2	21A2624 21A2624Z 21A2624P 21A2624X CSTR641	FRONT MOUNTING, teardrop FRONT MOUNTING, teardrop FRONT MOUNTING, teardrop FRONT MOUNTING, teardrop FRONT MOUNT KIT, teardrop	2 2 2 2 1	 poly alloy alloy solid front mounts
3	GHF103	SCREW, mounting to valance	2	
4	GHF332	WASHER, locking	2	
5	GHF301	WASHER	2	
6	FNZ505	NUT	2	
7	2A4292	PACKING (Subframe to front valance standard fitment 96 on required when fitting 13 inch wheels or 165/60/12 tyres to 4.5 + wide wheels to space the front panel slightly forward).	a/r	
8	21A1241 KPU100160	EYEBOLT EYENUT, towing eye	2 2	alternatives female fitment
9	GHF105	BOLT	2	alternatives
10	GHF302	WASHER, plain	2	
11	GHF333	WASHER, locking	2	
12	FNZ506	NUT	2	
13	21A2596	BOLT, subframe tower mounting	2	
14	53K3755	WASHER	2	
15	21A2597 KGE100050 KGE100050P KAD1013297	BUSH, bolt to crossmember BUSH, bolt to crossmember BUSH, bolt to crossmember BUSH, alloy, bolt to crossmember (Eliminates front subframe movement).	2 2 2 2	 poly solid subframe mounting
	CSTR640	BUSH KIT, alloy kit (4) (Replaces both top & bottom pads between cross member & subframe).	1	solid tower mount kit
16	21A2598 21A2598X	PAD, rubber, subframe to body PAD, alloy, subframe to body (Eliminates front subframe movement).	2 2	 solid subframe mounting
	KGE100060P	PAD, poly, subframe to body	2	
17	21A2599	REAR MOUNTING	2	



No. Part Number Description Req'd. Details

	21A2599Z	REAR MOUNTING	2	
	21A2599P	REAR MOUNTING, poly	2	
	CSTR642	REAR MOUNTING, pair (Eliminates front subframe movement).	1	solid steel subframe mount
18	SH605061	SCREW	8	Mounting to toe board & subframe
19	WC108051	WASHER, plain	8	
20	GHF332	WASHER, locking	12	
21	GHF201	NUT	8	
22	KHB10024	REAR SUBFRAME, (OE)	1	latest type
	HHMP241002	REAR SUBFRAME, complete (Includes rear radius arms, suspension cones and brakes).	1	mk4 76 on
	FAM6292Z	REAR SUBFRAME, repro	1	
23	2A5818	MOUNTING BUSH, split type	8	to 1976
	2A5818P	MOUNTING BUSH	8	to 1976
	CSTR638	MOUNTING BUSH KIT,	1	to 1976
	21A2560	MOUNTING BUSH, one piece	4	1976 on
	CSTR639	MOUNTING BUSH KIT,	1	1976 on
	21A2560P	MOUNTING BUSH, poly	2	1976 on
24	21A1440	SUPPORT PIN, front mounting	2	
25	PWZ207	WASHER	4	
26	LNZ207	NUT, nyloc	4	
27	SH605181	SCREW, trunnion to heel board	4	
28	GHF332	WASHER, locking	4	
29	BH605101	BOLT, rear trunnion, short	2	
	BH605201	BOLT, rear trunnion, long	2	
30	GHF301	WASHER	4	
31	GHF222	NUT, nyloc	4	
32	21A195	BRACKET, radius arm RH	1	
33	21A197	BRACKET, radius arm LH	1	
	WPT90021	BRACKETS, radius arms pair	1	adjustable camber plates
	WPT9002X	BRACKETS, radius arms pair (Add 1.5 degrees more negative camber than what you have already).	1	negative camber brackets
34	GHF120	SCREW, bracket to rear subframe	8	
35	GHF332	WASHER, locking	8	
36	GHF301	WASHER	8	
	2A5819	TRUNNION, stepped (Quantity reduced post 76 (2A5819 x 2 and 21A2558 x 2)).	4/2	to 76
	WPT9006X	TRUNNION KIT, alloy	1	to 76 light weight alloy
	21A2558	TRUNNION	2	76 on
	WPT9007X	TRUNNION KIT, alloy	1	76 on light weight alloy



No. Part Number Description Req'd. Details

STEERING RACKS ▲

RHD Steering Rack

1	GSR371	STEERING RACK, (aftermarket)	1	new
	GSR626E	STEERING RACK, (OE)	1	reconditioned
	CAJJ1570	STEERING RACK, quick rack	1	2.2 turns lock to lock

LHD Steering Rack

	GSR158E	STEERING RACK, (OE)	1	reconditioned
2	GSR1163	STEERING RACK, (aftermarket)	1	new
	GSR163Z	STEERING RACK, (aftermarket)	1	
	CAJJ1571	STEERING RACK, quick rack	1	2.2 turns lock to lock

Gaiters All Models

3	GSV1153	GAITER KIT (for OE racks)	1	2 boots & 4 metal clips
	GSV1153=	GAITER KIT	1	2 boots & plastic ties
	GRG205	GAITER KIT (for OE racks)	1	2 boots & 4 plastic ties
	GRG210Z	GAITER KIT (aftermarket racks)	1	2 boots & 4 plastic ties
	GRG205	GAITER KIT (for OE racks)	1	2 boots, 2 packs of grease, 2 small metal clips and 2 large plastic ties.
4	17H6298	GAITER (OE racks only)	2	single, no clips
5	CCA35	CLIP, large	2	gaiter to rack casing
6	ACH5854	CLIP, small	2	gaiter to track rod
7	GSJ734	TRACK ROD END	2	
	GSJ734Z	TRACK ROD END	2	
	GSJ158	TRACK ROD END	2	slightly longer in thread
(Use when lowering car and or adding negative camber).				
8	GHF223	NUT, nyloc, imperial	2	track rod end
	NY210041	NUT, nyloc, metric	2	to steering arm.

Note: Due to Rover changing sources on the track rod ends, the pin thread can vary. Please check before ordering, nuts with imperial threads use a 9/16" AF spanner.

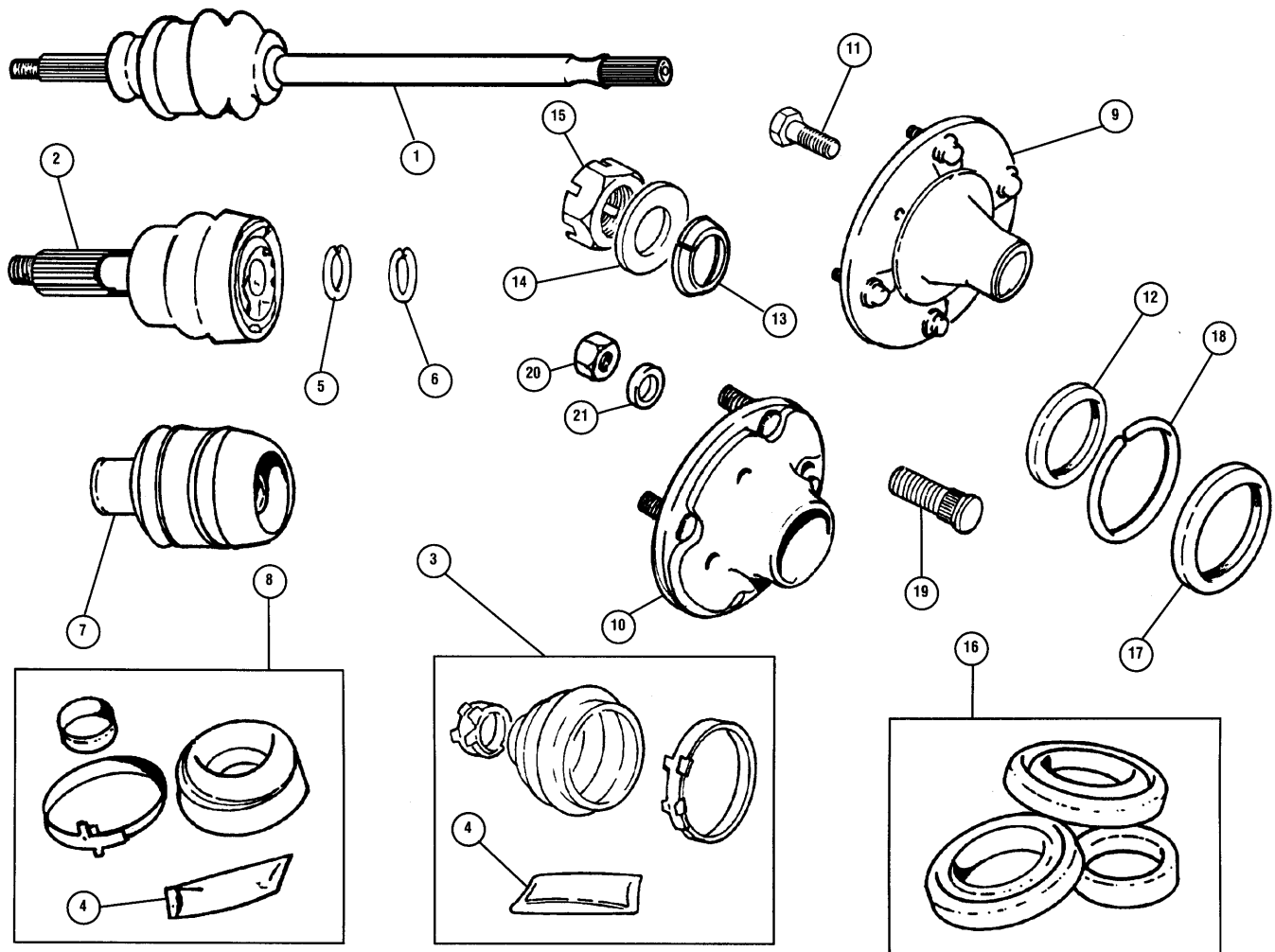
9	FNZ208	LOCK NUT, t/rod end to track rod	2	
10	2A6208	U BOLT, rack mounting to body	2	
11	21A2553	PACKING PIECE, nylon strip	2	
12	GHF222	NUT, nyloc	4	

No. Part Number Description Req'd. Details

STEERING COLUMN ▲

Note: See accessories for our full range of Steering Wheels.

	21A2252	HORN PUSH, centre	1	mini motif mk2/3
13	GSV1095	BUSH, column top	1	to VIN 380107
	NAM8553	BUSH, column top	1	from VIN380108 on
14	GSV1127	BUSH, column lower, felt	1	to VIN 380107
	NAM8563	BUSH, column lower	1	from VIN380108 on
15	NAM8527	COLUMN	1	fits all models to 96
	QMB101550PMA	COLUMN ASSEMBLY	1	mpi 96 on
16	21A30	SEAL, rack to body	1	
17	BH604111	BOLT, pinching clamp	1	
18	GHF331	WASHER, spring	1	
19	GHF200	NUT	1	
20	21A2463	BRACKET, clamp to body	1	
	GAC8426X	DROP BRACKET, steering column	1	
21	21A2666	CLAMP, column to bracket	1	
22	51K4006	SHEARBOLT, column clamp	1	2.69" long
23	51K4002	SHEARBOLT, bracket to body	2	1.45" long
24	21A2464	NUT PLATE, bracket to body	1	
25	21H295	NUT, column clamp	1	
26	18G8892	LOCK, steering, key in side	1	to 1976
27	BHM7107	LOCK, steering, key facing driver	1	1976 on
	BHM7107Z	LOCK, steering, key facing driver	1	1976 on
	BHM7107ZQ	LOCK, steering, key facing driver	1	1976 on less shear bolt
	BHM7252	LOCK, steering, key facing driver	1	Mini 25
	QRF100750	LOCK, steering	1	mpi 96 on
28	51K4001	SHEARBOLT, steering lock	2	
29	18G8803	COWLING,	1	
		(with steering lock, single stalk)		
30	13H3737	SCREW, cowl to column	4	to 1976
31	GHF711	SPIRE CLIP, on column	4	
32	BHM7085	COWLING, twin stalks, Black	1	
33	AT606084	SCREW, cowl to column	3	1976 on
34	GHF711	CLIP, on column	2	
35	AC606051	SCREW, cowl (twin stalks)	1	
36	ACH6001	NUT, steering wheel retaining	1	1 5/16" AF
	QYH10007	NUT, steering wheel retaining	1	1" AF
37	53K3480	WASHER, shakeproof	1	Use with ACH6001
	QYF10005	WASHER, shakeproof	1	Use with QYH10007



No. Part Number Description

Reqd. Details

DRIVE SHAFTS ▲

1	GCV1104	DRIVE SHAFT RH, no inner joint	1	drum brakes
	GCV1103	DRIVE SHAFT LH, no inner joint	1	to 1984
	GCV1100	DRIVE SHAFT RH, no inner joint	1	disc brakes
	GCV1101	DRIVE SHAFT LH, no inner joint	1	1984 on
2	GCV1105	CV JOINT, outer	2	drum brake models
	17H8600R	CV JOINT, outer	2	drum brake models recon
	GCV1013	CV JOINT, outer	2	disc brake models
3	GSV1185	GAITER KIT, OE, heavy duty	2	to fit GCV1105
	GSV1185Z	GAITER KIT, heavy duty	2	to fit GCV1105
	GDG233	GAITER KIT, OE, standard duty	2	
	GSV1053	GAITER KIT, OE, heavy duty	2	to fit GCV1013
	GDG202	GAITER KIT, OE, standard duty	2	
4	AKF1457	GREASE, separate sachet	a/r	
5	37H8706	CIRCLIP, inner CV thick section	2	
6	17H8597	CIRCLIP, outer CV tin section	2	
7	27H7880	HARDY SPICER JOINT, inner	2	auto & Cooper S
	GCV1102	POT JOINT, inboard	2	
	GCD101	COUPLING, drive shaft, rubber	2	early mini
	QL5000	COUPLING, nylon	1	upgrade to GCD101
	GUJ101	COUPLING REPAIR KIT (Repair kit for Hardy Spicer (27H7880)).	2	auto and Cooper S
8	GSV1192	GAITER KIT	2	sliding joint to drive shaft
	GSV1192Z	GAITER KIT	2	sliding joint to drive shaft
	21A963	GAITER	2	sliding joint to drive shaft
	GSV1073	GAITER KIT, OE heavy duty	2	to fit GCV1102
	GSV1073=	GAITER KIT, OE heavy duty	2	to fit GCV1102
	GDG234	GAITER KIT, OE standard duty	2	

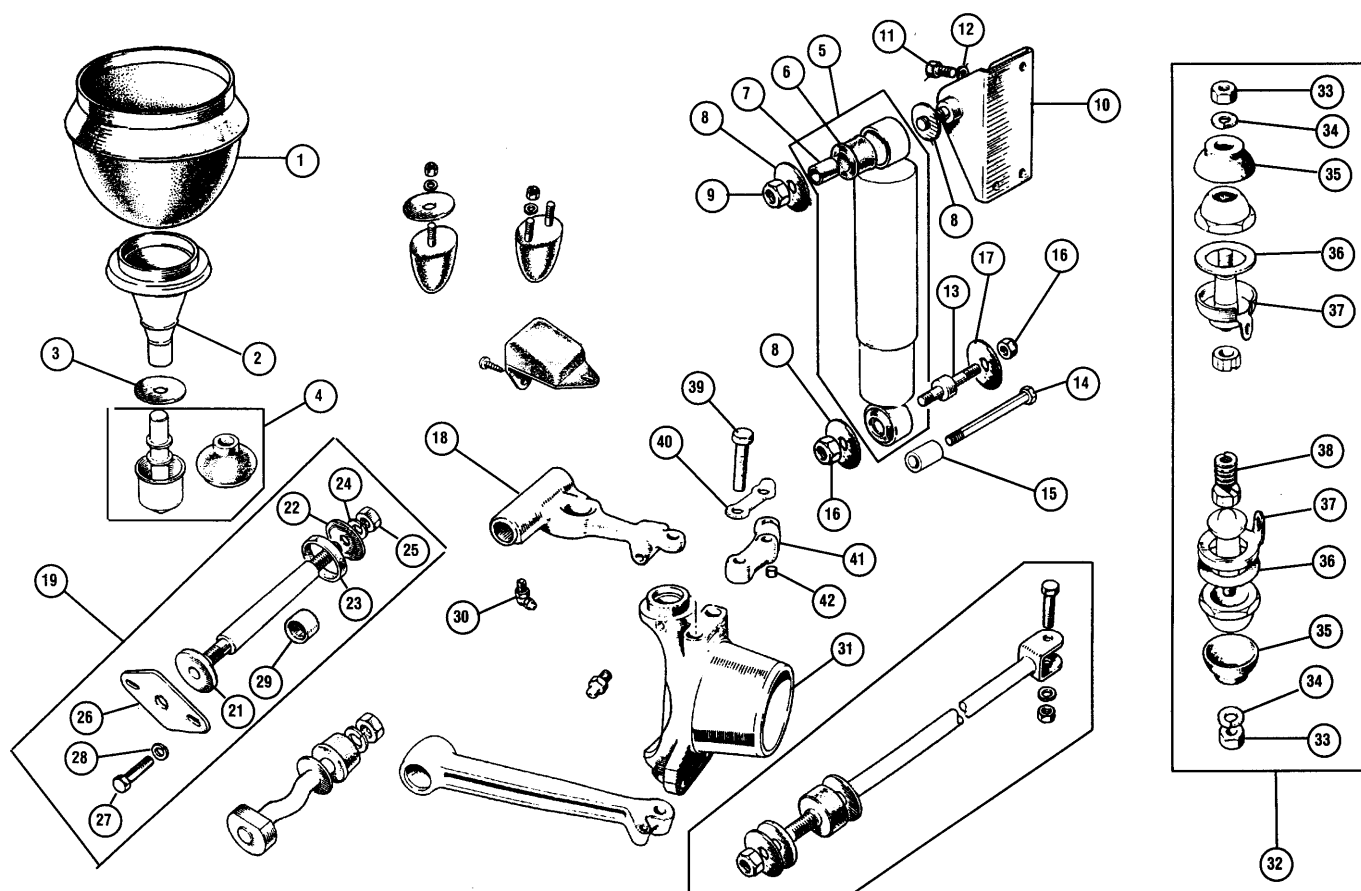
No. Part Number Description

Reqd. Details

DRIVE FLANGES ▲

9	21A231	DRIVE FLANGE	2	drum brakes
10	21A1270	DRIVE FLANGE	2	7.5in disc brakes Cooper S
	21A2695	DRIVE FLANGE	2	disc brakes 8.4in disc
	NAM6450F	DRIVE FLANGE	2	8.4in disc brakes vented
11	SF604061	SCREW, drive flange to disc	8	7.5in disc brakes Cooper S
	BTA370	BOLT, drive flange to disc	8	8.4in disc brakes disc
	NAM6472	BOLT, drive flange to disc	8	8.4in disc brakes vented
12	2A4295	COLLAR, oil seal	2	drum brakes
13	FAM9270	COLLAR, outer, tapered	2	disc brakes
14	2A7323	WASHER, outer, plain	2	drum brakes
15	BTA249	NUT, hub 1 5/16" AF	2	disc brakes
	21A79	NUT, hub 1 1/8" AF	2	drum brakes
16	GHK1140	HUB BEARING KIT, inc seals	2	disc brakes
	GHK1018	HUB BEARING KIT, inc seals	2	drum brakes
17	GHS101	OIL SEAL, outer	2	
	GHS173	OIL SEAL, inner with shield	2	
18	2A4361	SPACER, 0.094" seal to bearing	2	disc brakes
	21A1307	SPACER, 0.229" seal to bearing	2	drum brakes
19	BTA339	STUD, 1.1875" (30mm) shaft length	8	disc brakes
	21A2064	STUD, 1.375" (35mm) shaft length	8	drum brakes
20	88G322	WHEEL NUT, round chamfer	8	standard 10" road wheels
	113087	WHEEL NUT, 600 chamfer angle	2	standard 12" road wheels
	FAM5701	WHEEL NUT*, round chamfer	16	10" with hub caps
	FAM3721	WHEEL NUT*, 600 chamfer	16	12" with hub caps
21	FAM2563	WASHER*, for wheel nut	16	
	NAM9075	WHEEL NUT	16	Cooper 1300

*Note: if your car is fitted with wheel trims retained by the wheel nut, then you will require the wheel nuts marked with an asterisk. Care must be taken when ordering as 'radius' and 'chamfered' wheel nuts are not interchangeable!



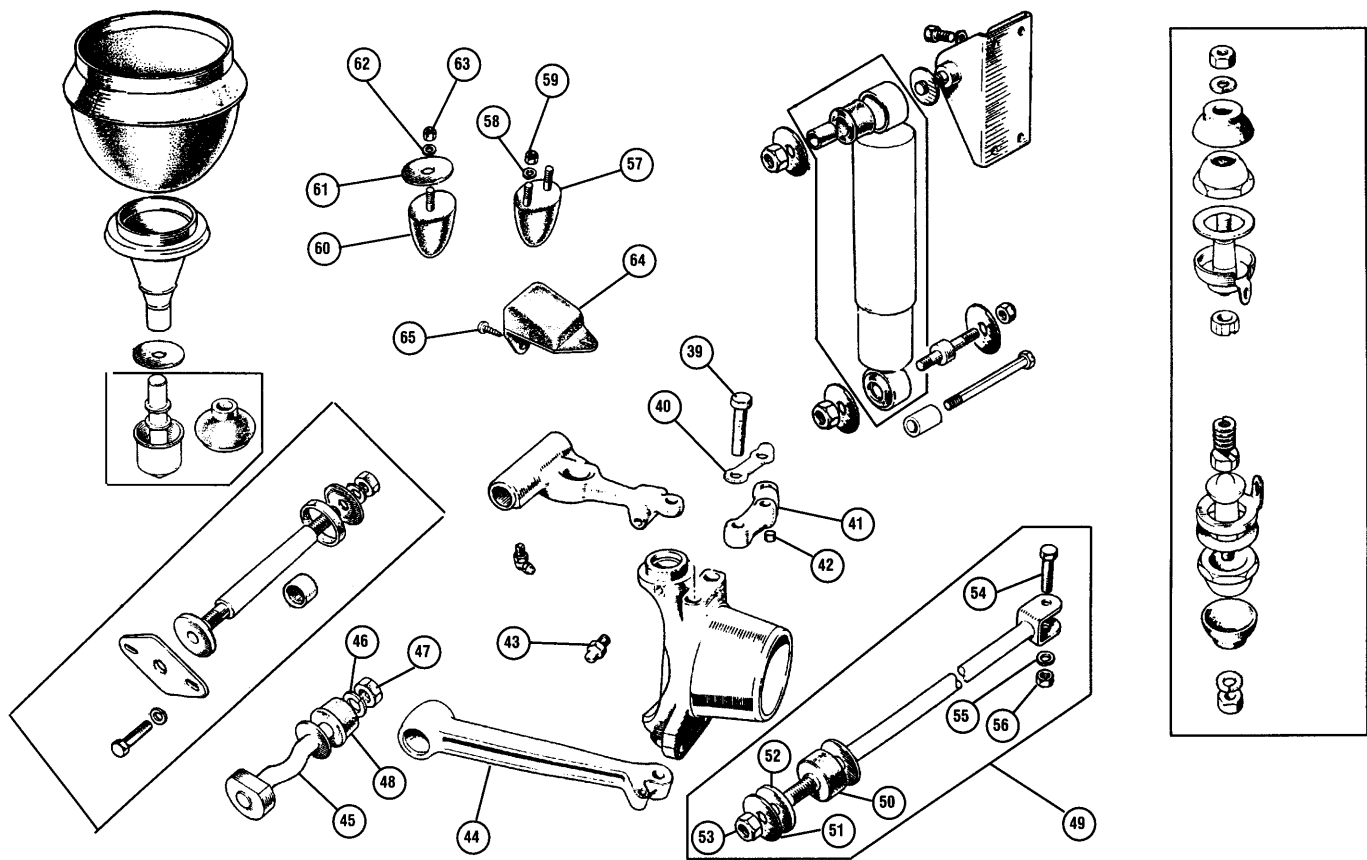
No.	Part Number	Description	Reqd.	Details
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FRONT SUSPENSION (DRY) ▲

	HMP841016	CONE, STRUT & KNUCKLE KIT (Manufactured to original specification from original tooling).	2	inc. items 1, 2 & 4
1	FAM3968	RUBBER CONE (metric thread)	2	
	FAM3968X	COIL SPRING KIT, blue	1	softer, front & rear spring kit, replaces rubber cone
	FAM3968HX	COIL SPRING KIT, red	1	firmer, front & rear spring kit, replaces rubber cone
2	21A530	STRUT	2	
	GAC8437X	HILO, suspension kit	1	adj. height kit front & rear
	GAC84371	HILO TRUMPET	1	adjustable height cones kit (Includes 2 x Hilo cones and 2 x 21A423).
	GAC84374	ALLEN BAR, front	1	adj. suspension heights
	GAC8432X	ADJUSTA-RIDE, suspension kit	1	adjustable height kit front
3	21A1845	WASHER, packing (Cars with 12" wheels require 1 packing washer per side).	a/r	to raise ride height
4	GSV1118	KNUCKLE JOINT	2	
	21A423	CUP	2	suspension knuckle cup
	21A425	GAITER	2	suspension knuckle gaiter
5	GSA71541	SHOCK ABSORBER	2	
	GAC8401X	SHOCK ABSORBER	2	SPAX, standard height
	GAC8402X	SHOCK ABSORBER	2	SPAX, lowered height
	GAC8405X	SHOCK ABSORBER	2	KONI, standard height
	GAC8406X	SHOCK ABSORBER	2	KONI, lowered height
	GAC8401XG	SHOCK ABSORBER	2	GAZ, standard height
	GAC8402XG	SHOCK ABSORBER	2	GAZ, lowered height
	SPCK19	SHOCK ABSORBER KIT (Adjustable front and rear kit standard height).	1	SPAX, coil over kit height
	SPCK20	SHOCK ABSORBER KIT (Adjustable front and rear kit lowered height).	1	SPAX, coil over kit height
6	21A1230	BUSH, shock absorber	4	
7	21A504	SLEEVE	4	shock absorber
8	AJD7162	WASHER	8	bush
9	GHF223	NUT, nyloc,	2	top mount
10	21A471	MOUNTING, RH	1	shock absorber
	21A474	MOUNTING, LH	1	top

No.	Part Number	Description	Reqd.	Details
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11	GHF117	SCREW, bracket to inner wing	8	
12	GHF331	WASHER, locking	8	
13	2A4337	PIN, lower shock absorber mount	2	
14	BH606321	BOLT, lower shock absorber mount	2	alternatives to
15	21A2694	SPACER (use with BH606321)	2	item 13
16	GHF223	NUT, nyloc	4/2	(Quantity reduced when item 14 (BH606321) is used).
17	GHF302	WASHER	2	
18	21A2690	UPPER ARM, RH	1	
	21A2691	UPPER ARM, LH	1	
19	2A4325K	REPAIR KIT, top fulcrum shaft	2	
21	2A4326	THRUST COLLAR	2	
22	2A7324	THRUST WASHER	2	
23	2A7327	SEAL, rubber ring on top arm	4	
24	GHF335	WASHER, locking, shaft end	4	
25	FNZ508	NUT, shaft end	4	
26	2A4327	PLATE, shaft retaining	2	
27	SH604051	SCREW, plate retaining	4	
28	GHF331	WASHER, locking	4	
29	88G302	NEEDLE ROLLER, top arm	4	
30	UHN445	GREASE NIPPLE, top arm	2	
31	21A371	HUB CARRIER, RH	1	drum brakes
	21A372	HUB CARRIER, LH	1	
	FAM2390	HUB CARRIER, RH	1	disc brakes
	FAM2391	HUB CARRIER, LH	1	
32	GSJ166	SWIVEL PIN KIT (per side)	2	
33	FNZ507	NUT, high tensile	4	
34	GHF334	WASHER, locking	4	
35	BTA377	DUST COVER	4	
36	2A4240	SHIM, 0.005" (0.127mm)	a/r	
37	2A4238	LOCKTAB	4	
38	21A370	SPRING	2	
39	2A4315	BOLT, steering arm to hub carrier	4	
40	2K5377	LOCKTAB, steering arm	2	
41	BTA896	STEERING ARM, RH	1	
	BTA897	STEERING ARM, LH	1	
42	FAM6924	DOWL, steering arm locating	4	



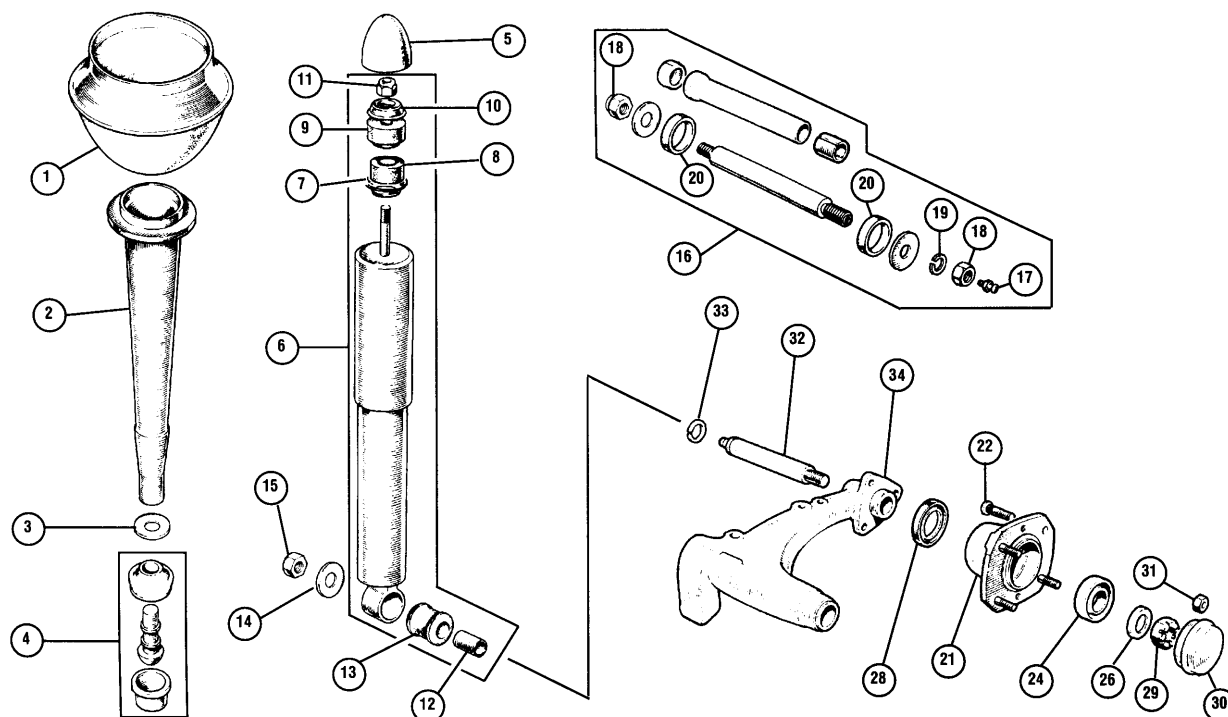
No.	Part Number	Description	Reqd.	Details
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FRONT SUSPENSION (DRY) ▲

Continued

43	UHN400	GREASE NIPPLE, swivel pin	4	
44	21A1879	LOWER ARM, RH	1	
	21A1881	LOWER ARM, LH	1	
	WPT9001X	LOWER ARMS, neg camber	1	see accessories
	WPT90012X	LOWER ARMS, neg camber	1	see accessories
	WPT90013X	LOWER ARMS, neg camber	1	see accessories
	C-AJ3363	LOWER ARMS, adjustable	1	sold in pairs
		(One piece, forged, spherical-jointed rod end, adjustable lower arms (with joint) to allow adjustment for camber. Heat tested and crack tested).		
45	2A4362	FULCRUM PIN, lower	2	
46	GHF333	WASHER, locking	2	
47	FNZ506	NUT	2	
48	2A4294	BUSH, lower arm	4	pre 65 straight hole
	21A1882	BUSH, lower arm	4	tapered hole
	21A1882P	BUSH, lower arm	4	poly
49	21A450	TIE BAR	2	
	8G4249	TIE BAR KIT	2	
	WPT9003X	TIE BARS, pair, heavy duty	1	see accessories
50	31G1155	BUSH, tie bar end	4	
	31G1155H	BUSH, tie bar end	4	rubber road harder spec
	31G1155VH	BUSH, tie bar end	4	rubber race harder spec
	C-STR629	BUSH KIT, tie bar	1	rubber race harder spec
	31G1155P	BUSH, tie bar end	4	poly race harder spec
51	PWZ207	WASHER, tie bar end	2	
52	2A4328	WASHER, cup tie bar end	2	
53	GHF224	NUT, nyloc tie bar end	2	
54	53K1031	BOLT, tie bar to lower arm	2	
55	GHF332	WASHER, locking	2	
56	FNZ505	NUT	2	
57	2A4332	BUMP STOP, 2 stud fixing	2	to 1975
58	GHF331	WASHER, locking	4	
59	GHF200	NUT	4	
	21A1598	REBOUND BUFFER	2	fits hydro suspension cars fitted to top arm

No.	Part Number	Description	Reqd.	Details
60	FAM2764	BUMP STOP, 1 stud fixing	2	from 1976
	FAM2764P	BUMP STOP, 1 stud fixing	2	poly, from 1976
61	FAM2767	PACKING, bump stop	2	12" wheel models only
62	GHF331	WASHER, locking	2	
63	GHF200	NUT	2	
64	2A4267	BUFFER, rebound	2	
	2A4267P	BUFFER, rebound	2	poly
65	13H2776	SCREW, buffer retaining	4	
	21A1577S	HYDROLASTIC PIPE, suspension	2	universal replacement
	CCG001	GAUGE, caster/camber	1	
		(This gauge allows you to correctly set up your suspension to get the best from your mini where it excels most (the corners)).		
	GAC9424X	TOOL, cone compressor	1	



No.	Part Number	Description	Reqd.	Details
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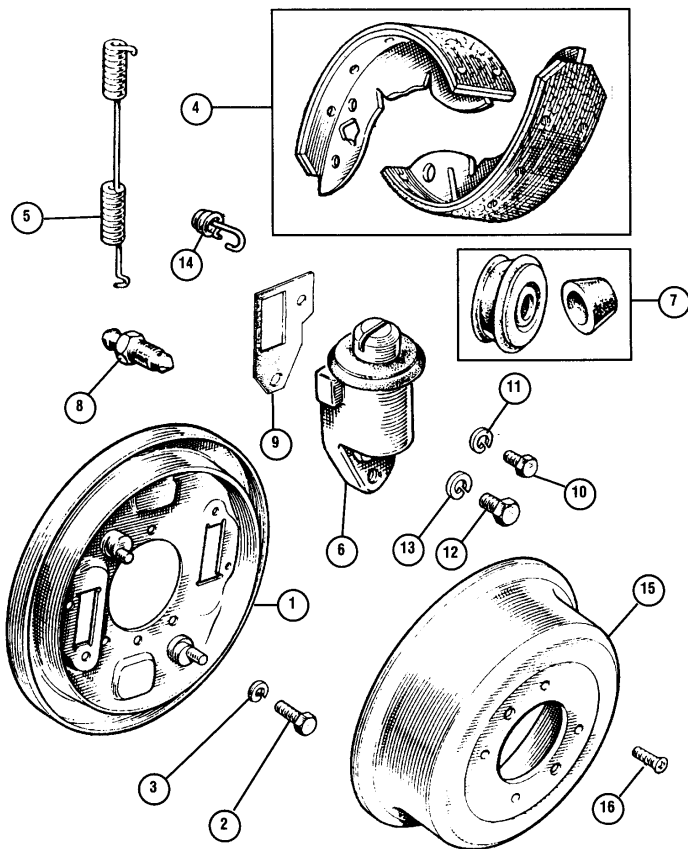
REAR SUSPENSION (DRY) ▲

1	FAM3968 HMP841017	RUBBER CONE (metric thread) STRUT KIT, per side	2 2	inc: FAM3968, 21A1684 & GSV1118 softer, firmer,
	FAM3968X	COIL SPRING KIT, blue (Front & rear coil spring kit that replaces the rubber cone).	1	
	FAM3968HX	COIL SPRING KIT, red (Front and rear coil spring kit that replaces the rubber cone).	1	
2	21A1684 GAC8437X GAC84371	STRUT HILO, suspension kit HILO TRUMPET	2 1 1	adj. height kit front & rear adjustable height cones kit
	GAC84372	(Includes 2 x Hilo cones and 2 x 21A423). RODS, pair, extension	1	
	GAC84373 GAC8433X	ALLEN BAR, rear ADJUSTA-RIDE, suspension kit	1 1	used with GAC84371 when fitting to rear suspension adjusting suspension height adjustable height kit rear
3	21A1845	WASHER	a/r	
4	GSV1118 21A423 21A425	KNUCKLE JOINT CUP GAITER	2 2 2	suspension knuckle cup suspension knuckle gaiter
5	21A640	COVER, top s/abs mounting	2	
6	GSA71542 GAC8403X GAC8404X GAC8407X GAC8408X GAC8403XG GAC8404XG SPCK19	SHOCK ABSORBER SHOCK ABSORBER SHOCK ABSORBER SHOCK ABSORBER SHOCK ABSORBER SHOCK ABSORBER SHOCK ABSORBER SHOCK ABSORBER KIT	2 2 2 2 2 2 2 1	SPAX, standard height SPAX, lowered height KONI, standard height KONI, lowered height GAZ, standard height GAZ, lowered height SPAX, coil over kit
	SPCK20	(Height adjustable front and rear kit standard height). SHOCK ABSORBER KIT (Height adjustable front and rear kit lowered height).	1	
7	21A2325	WASHER, lower bush retaining	2	poly
8	21A1314 21A1314P	BUSH, lower top, s/absorber BUSH, lower top, s/absorber	2 2	
9	GZS1477 GZS1477P	BUSH, upper top, s/absorber BUSH, upper top, s/absorber	2 2	
10	21A639	WASHER, upper bush retaining	2	2
11	GHF273	NUT, nyloc, top s/abs mount	2	
12	21A504	SLEEVE, bottom s/abs bush	2	
13	21A1230	BUSH, bottom s/abs mounting	2	2
14	AJD7162	WASHER	2	
15	GHF223	NUT, nyloc	2	
16	GSV1125	REPAIR KIT	2	radius arm fulcrum pin
	ACA9099	(For special removal and installation tools for this kit see page 68). SHAFT, radius arm	2	
17	UHN400	GREASE NIPPLE, fulcrum pin	2	

No.	Part Number	Description	Reqd.	Details
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REAR HUB & STUB AXLE ▲

	NAM7162R NAM7163R	RADIUS ARM, RH recon RADIUS ARM, RH recon	1 1	
18	FNZ508	NUT, fulcrum pin	4	
19	LWZ208	WASHER, locking	4	
20	2A7327	SEAL, radius arm	4	
21	21A2023 RLH10021	HUB, with short studs HUB, with long studs	2 2	to '84 (10" wheels) 1984 on (12" wheels)
22	21A2064 21A1278	WHEEL STUD, short WHEEL STUD, long	8 8	
23	GHK1352	HUB BEARING KIT, ball bearing	2	standard
24	GHB212	BEARING, rear hub	4	
26	BTA672	WASHER, hub	2	taper rollers all models
27	GHK1548	HUB BEARING KIT, (uprated)	2	
28	GHS227	SEAL, grease	2	
29	NLG10041 FNN2410	NUT, RH hub NUT, LH hub	1 1	
30	ATB4098	GREASE CAP	2	
31	For information on wheel nuts please see pages 31 and 108.			
32	2A7351 2A7351Z 2A7364 2A7364Z	STUB AXLE, RH, rear STUB AXLE, RH, rear STUB AXLE, LH, rear STUB AXLE, LH, rear	1 1 1 1	
33	2A7352 21A1520	CIRCLIP, stub axle retaining BUMP STOP	2 2	
	21A1517	(The larger cone type which is the bump stop rubber). BUMP STOP	2	
34	NAM7162R NAM7163R	RADIUS ARM L/H, reconditioned RADIUS ARM R/H, reconditioned	1 1	surcharge on this item surcharge on this item
	18G582 18G583 18G583B 18G588	BEARING REPLACER BEARING REMOVER ADAPTOR FOR 18G583 REAMER	1 1 1 1	
	18G588A 21A1577S CCG001	GUIDE, for reamer HYDROLASTIC PIPE, suspension GAUGE, caster/camber	1 2 1	required to ream bushes after install universal replacement
		(This gauge allows you to correctly set up your suspension to get the best from your mini where it excels most (the corners). Very easy to use supplied with instructions)		



No. Part Number Description Req'd. Details

FRONT DRUM BRAKES 1964 TO 1984 ▲ (10" WHEELS) TWIN LEADING SHOE

1	37H2013	BACK PLATE, RH	1	
	37H2014	BACK PLATE, LH	1	
2	21A1299	BOLT, backplate to hub	6	use SH605051
3	GHF332	WASHER, locking	6	
4	GBS733AF	BRAKE SHOES, set of four	1	asbestos free
5	AAU8243	SPRING, brake shoe return	4	
6	GWC102	WHEEL CYLINDER, RH, 0.8125 bore size	2	MK1 only, early back plate
	GWC102Z	WHEEL CYLINDER, RH, 0.8125 bore size	2	MK1 only, early back plate
	GWC103	WHEEL CYLINDER, LH, 0.8125 bore size	2	MK1 only, early back plate
	GWC103Z	WHEEL CYLINDER, LH, 0.8125 bore size	2	MK1 only, early back plate
	GWC126	WHEEL CYLINDER, RH, 0.9375 bore size	2	
	GWC126Z	WHEEL CYLINDER, RH, 0.9375 bore size	2	
	GWC127	WHEEL CYLINDER, LH, 0.9375 bore size	2	
	GWC127Z	WHEEL CYLINDER, LH, 0.9375 bore size	2	

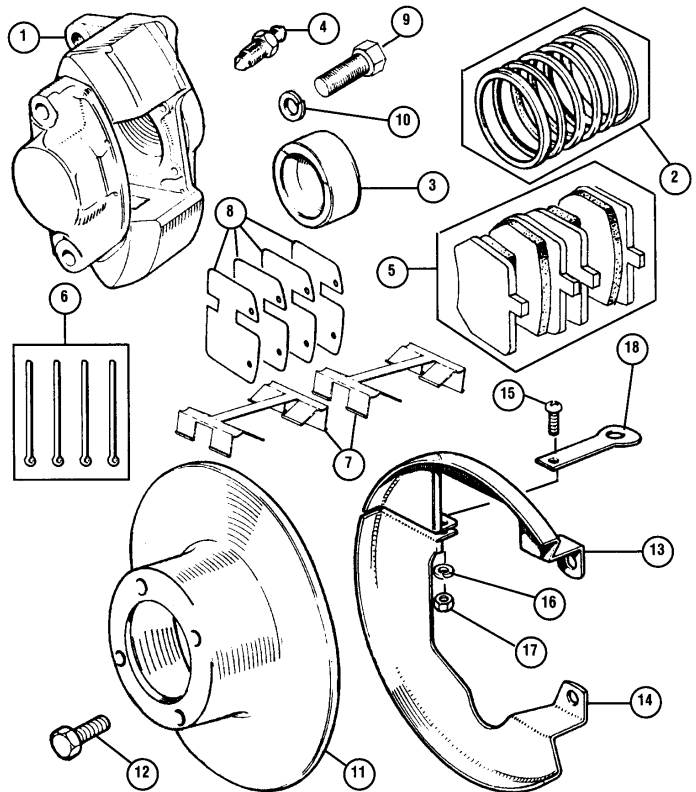
Note: When replacing the wheel cylinders you will almost certainly need to replace the bolts (items 10 and 12).

7	GRK2002	REPAIR KIT, wheel cylinder	4	
8	3H2428	BLEED NIPPLE	4	
9	37H3833	GASKET, w/cylinder to back plate	4	
10	7H7520	BOLT, w/cyl to back plate (small)	4	
11	GHF331	WASHER, spring	4	
12	SH605051	BOLT, w/cyl to back plate (large)	4	
13	GHF332	WASHER, spring	4	
14	27H3753	SPRING, retaining, shoe to cyl	4	
15	GDB105	BRAKE DRUM	2	
16	CMZ407	SCREW, brake drum retaining	4	

FRONT DISC BRAKES 7.0

(Note: Calipers not Available).

GRK5009	SEAL KIT, per caliper	2	
GBP102G	PAD SET, EBC green	1	
GBP103KV	PAD SET, Kevlar	1	
BTA 193	DISC	2	
CMZ407	SCREW, disc to drive flange	8	



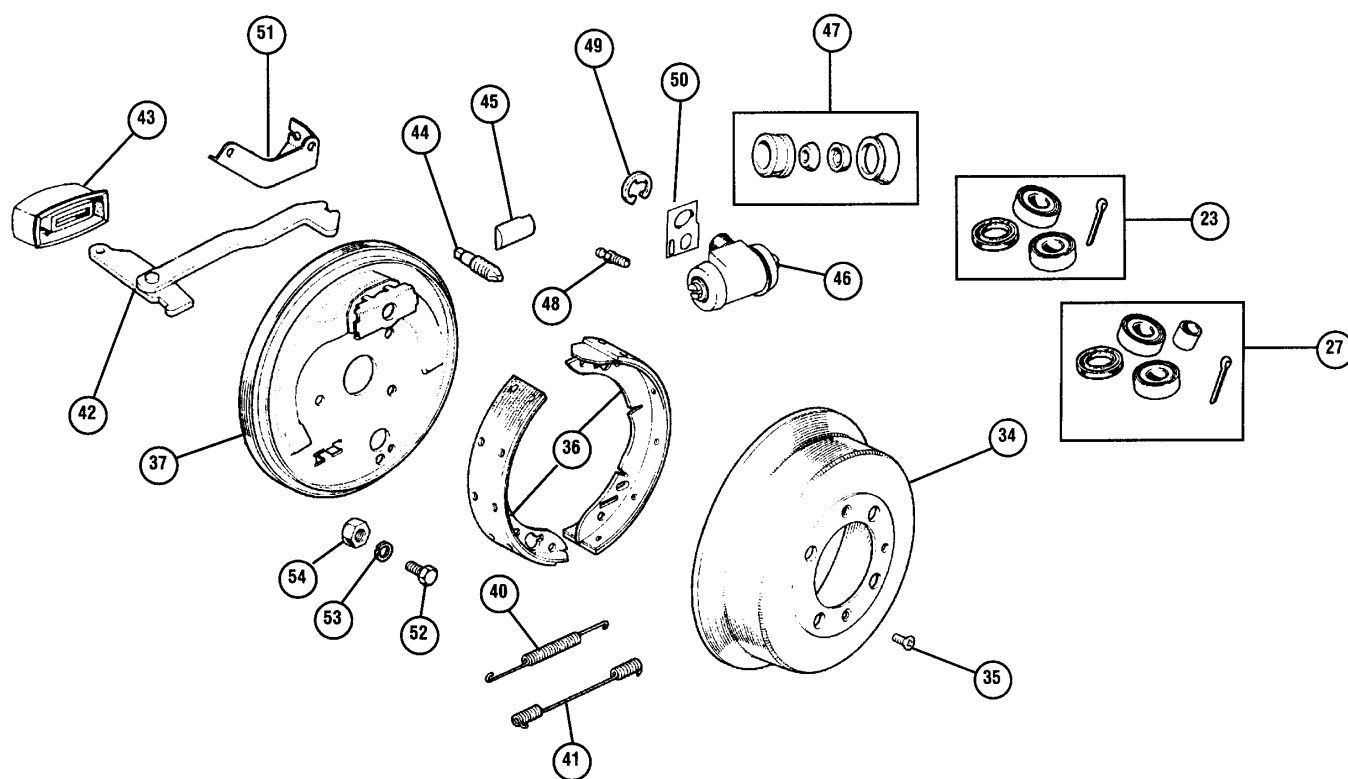
No. Part Number Description Req'd. Details

FRONT DISC BRAKES 7.5 (10" WHEELS)

27H4656	CALIPER RH	1	1275GT & S to 74
27H4657	CALIPER LH	1	1275GT & S to 74
GRK5006	SEAL KIT, per caliper	2	S and GT
17H8626SS	PISTON, stainless steel	4	S and GT
3H2428	BLEED NIPPLE	2	
GBP103AF	PAD SET	1	
GBP103G	PAD SET, EBC green	1	
GBP103KV	PAD SET, Kevlar	1	
8G8996	PAD SET, M1144	1	
GBD101	DISC	2	
SF604061	SCREW, disc to drive flange	8	

FRONT DISC BRAKES 1984 ON (12" WHEELS) ▲

1	GBC141	CALIPER, RH, new	1	
	GBC1049E	CALIPER, RH, rebuilt, exchange	1	
	GBC138	CALIPER, LH, new	1	
	GBC1048E	CALIPER, LH, rebuilt, exchange	1	
2	GRK5008	SEAL KIT, per caliper	2	
3	17H7960	PISTON, caliper	4	
4	3H2428	BLEED NIPPLE	2	
5	GBP307AF	PAD SET, set of four pads	1	asbestos free
	GBP90307AF	PAD SET, set of four pads	1	O/E
6	GBK1010	SPLIT PIN, car set	1	
7	17H7963	SPRING CLIP, anti rattle	2	
	17H7963X	SPRING CLIP, anti rattle	2	
8	17H2460	SHIM, anti squeal	4	
9	53K1048	BOLT, caliper to hub	4	
10	GHF333	WASHER, spring	4	
11	GBD90806	DISC, 8.4" diameter	2	
	GBD90806=	DISC, Lockheed	2	
	GBD90806Z	DISC, non genuine	2	
12	BTA370	BOLT, disc to hub	8	
13	21A2613	BACK PLATE, RH top	1	
	21A2617	BACK PLATE, LH top	1	
14	21A2614	BACK PLATE, RH lower	1	
	21A2618	BACK PLATE, LH lower	1	
15	PMZ308	SCREW, backplate	4	
16	WL700101	WASHER, locking	4	
17	GHF206	NUT	4	
18	BTA1208	BRACKET, back plate RH	1	
	BTA1209	BRACKET, back plate LH	1	



No.	Part Number	Description	Reqd.	Details
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FRONT DISC BRAKES (4 POTS)

Warning: Do not split the caliper into two halves.

GAC8462X	10" DISC BRAKE CONVERSION KIT	1	12" discs to 10" discs (Includes: all parts to convert 12" discs to 10" discs, except brake pads).
KAD1013294	CALIPER ALLOY, pair 4 pots	1	vented 10" wheel
MS0509	BRAKE CALIPERS, pair	1	vented anodised silver
MS0509B	BRAKE CALIPERS, pair	1	vented anodised blue
MS0509G	BRAKE CALIPERS, pair	1	vented anodised gold
MS0509S	BRAKE CALIPERS, pair	1	solid anodised silver
MS0509SB	BRAKE CALIPERS, pair	1	solid anodised blue
MS0509SG	BRAKE CALIPERS, pair	1	solid anodised gold
KAD1013296	CALIPER ALLOY, pair 4 pots	1	vented 12" wheel
GBD496	BRAKE DISC	2	vented std
KADDISC10	BRAKE DISCS, pair	1	vented 10" wheel
MS0508	BRAKE DISCS, pair	1	vented 7.9"
MS0508S	BRAKE DISCS, pair	1	solid 7.9"
			(For 10" wheel and MS0509 vented callipers).
KADDISC12	BRAKE DISCS, pair	1	vented 12" wheel
GRK5003	SEAL KIT, ERA / metro 4 pots	2	and KAD callipers
GBP258	PAD SET, set of four pads	1	standard
TMG309474	PAD SET, set of four pads	1	competition

REAR BRAKES ▲

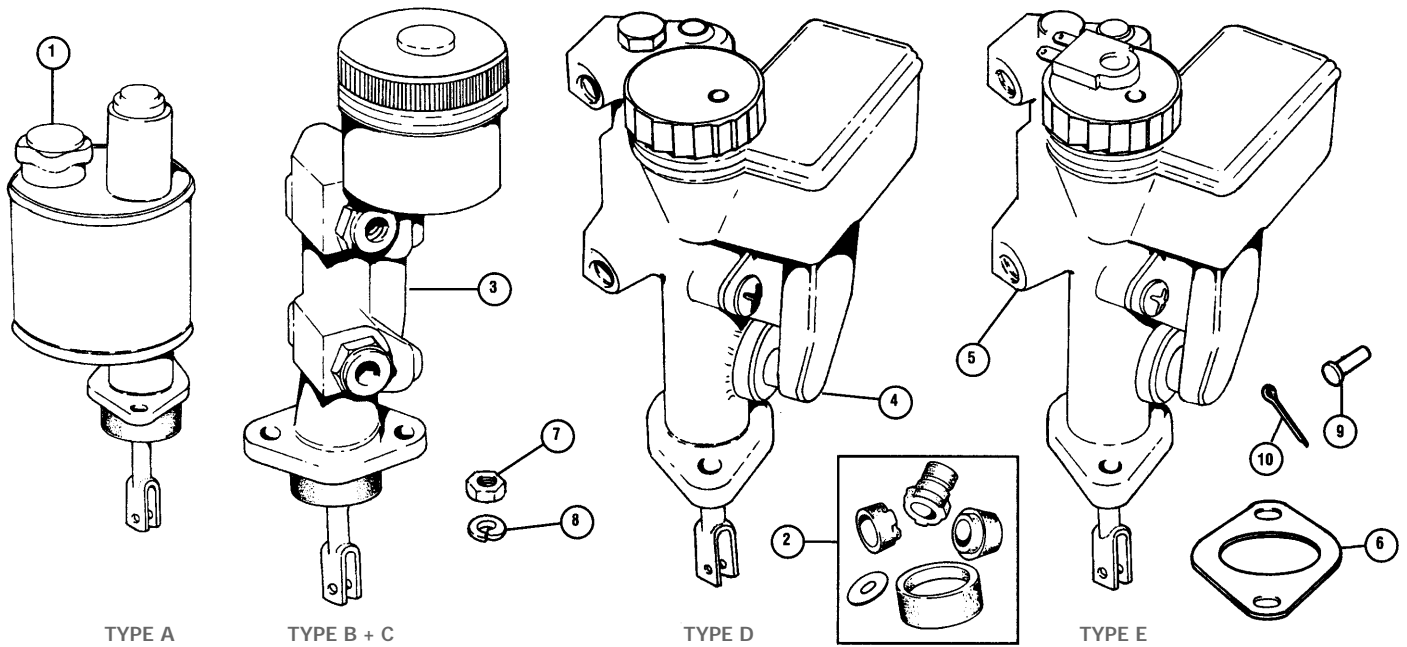
34	GDB105	BRAKE DRUM	2	to '84, 10" wheels
	GDB105Z	BRAKE DRUM	2	
	GDB106	BRAKE DRUM, with spacer	2	1984 on, 12" wheels
	GDB106Z	BRAKE DRUM, with spacer	2	1984 on, 12" wheels
	MS0507	BRAKE DRUM, with spacer	1	alloy superfinis
35	CMZ407	SCREW, brake drum	4	to fit GDB105
	SF604121	SCREW, brake drum	4	to fit GDB106
36	GBS834AF	BRAKE SHOES, car set of 4 shoes	1	
37	21A1058	BACK PLATE, RH	1	
	21A1060	BACK PLATE, LH	1	

Note: only one type of back plate is now available. When replacing a back plate, you may need to drill a new hole for the wheel cylinder locating roll pin.

40	17H8092	SPRING, upper shoe return	2	
41	17H7621	SPRING, lower shoe return	2	
42	SMN10005	LEVERS, pair, h/brake operating	1	set of 2

No.	Part Number	Description	Reqd.	Details
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43	17H7612	DUST SEAL, lever aperture	2	
44	17H7619	ADJUSTER WEDGE	2	
45	17H7618	ADJUSTER TAPPETS	4	
	17H7620	ADJUSTER KIT, per side	2	inc: tappets & adjusters
46	GWC1126	WHEEL CYLINDER, OE diagonal circuit	2	not UK 76-77
	GWC1126Z	WHEEL CYLINDER, diagonal circuit	2	not UK 76-77
	GWC1131	WHEEL CYLINDER, OE diagonal circuit	2	not UK 76-77
	GWC1131Z	WHEEL CYLINDER, diagonal circuit	2	not UK 76-77
	GWC1101	WHEEL CYLINDER, OE	2	to 67
	GWC1101Z	WHEEL CYLINDER	2	to 67
	GWC1102	WHEEL CYLINDER, OE	2	67 on
	GWC1102Z	WHEEL CYLINDER	2	67 on
	GWC1134	WHEEL CYLINDER, OE	2	no locating pin
		(Japan/Norway).		
47	BHM7015	REPAIR KIT, wheel cylinder	2	to fit GWC1126
	GRK2003	REPAIR KIT, wheel cylinder	2	to fit GWC1131
	GRK2014	REPAIR KIT, wheel cylinder	2	to fit GWC1102
	8G8801	REPAIR KIT, wheel cylinder	2	to fit GWC1101
	8G8801Z	REPAIR KIT, wheel cylinder	2	to fit GWC1101
48	513118A	BLEED NIPPLE	2	All except GWC1131
	3H2428	BLEED NIPPLE	2	to fit GWC1131 only
49	17H7949	CIRCLIP, w/cylinder retaining	2	
50	37H4642	GASKET, w/cylinder to back plate	2	
51	21A1669	BRACKET, RH, handbrake cable	1	
	21A1670	BRACKET, LH, handbrake cable	1	
52	GHF103	SCREW, back plate to radius arm	6	
53	GHF332	WASHER, locking	6	
54	GHF201	NUT	6	
	21A1507	QUADRANT, handbrake	2	hydro suspension
	21A1512	THRUST WASHER	2	
	21A1513	SPIRE CLIP	2	
	21A2454	QUADRANT, handbrake	2	dry suspension
	KAD1013282	QUADRANT, handbrake	2	dry suspension



No. Part Number Description Reqd. Details

BRAKE MASTER CYLINDERS ▲► Type A; Single Line System

1	GMC153	BRAKE MASTER CYLINDER, .75 bore	1	round metal reservoir
	GMC171	BRAKE MASTER CYLINDER, .70 bore	1	round metal reservoir
	GMC172	BRAKE MASTER CYLINDER, .70 bore	1	large round reservoir
2	GRK1028	REPAIR KIT, .70	1	
		(For GMC171 + 172 one end cap seal one ring seal).		
	GRK1028Z	REPAIR KIT, .70	1	
		(For GMC171 + 172 one end cap seal one ring seal).		
	GRK1006	REPAIR KIT, .70	1	
		(For GMC171 + 172 two ring seals).		
	513123A	CAP	1	

Type B; Front To Rear Split System

3	GMC159	BRAKE MASTER CYLINDER	1	round plastic reservoir
2	GRK1019	REPAIR KIT	1	
	GRK1019Z	REPAIR KIT	1	
	AAU3815	CAP	1	

Type C; Diagonal Split System

3	GMC160	BRAKE MASTER CYLINDER	1	round plastic reservoir
2	GRK1019	REPAIR KIT	1	
	GRK1019Z	REPAIR KIT	1	
	AAU3815	CAP	1	

Type D; Diagonal Split System

4	GMC167	BRAKE MASTER CYLINDER	1	square plastic reservoir
2	GRK1002	REPAIR KIT	1	
	AAU8240	CAP	1	

Type E; Front To Rear Split System

5	GMC227	BRAKE MASTER CYLINDER	1	square plastic reservoir
2	GRK1035	REPAIR KIT	1	
	AEU1796	CAP, with failure switch	1	

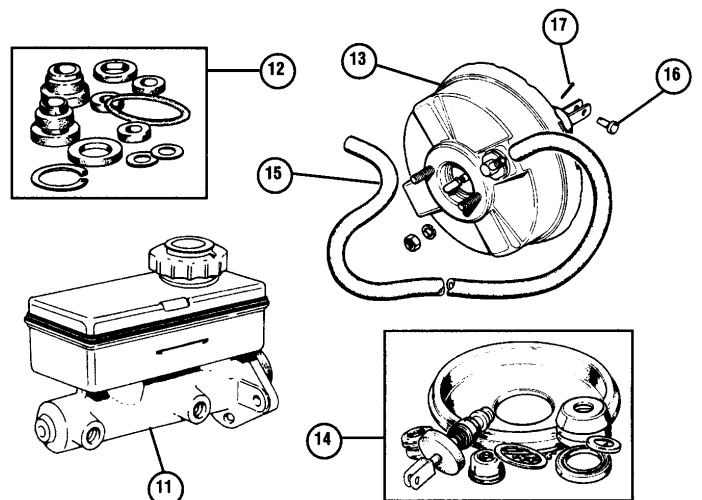
Between 1980 and 1985 the Mini had 4 different types of master cylinder fitted, these being part numbered GMC173 and GMC198 having a pressure failure switch fitted to the body of the cylinder and GMC192 and GMC195 with a fluid level switch fitted to the cap, all these cylinders are superseded by GMC227. As the cylinder is manufactured with metric fittings the conversion pipes must be used in conjunction with GMC227 when replacing an original master cylinder. Although it is possible to rebuild the original master cylinder with a repair kit.

BAU5654	PIPE CONVERSION KIT	1	RHD
BAU5655	PIPE CONVERSION KIT	1	LHD

No. Part Number Description Reqd. Details

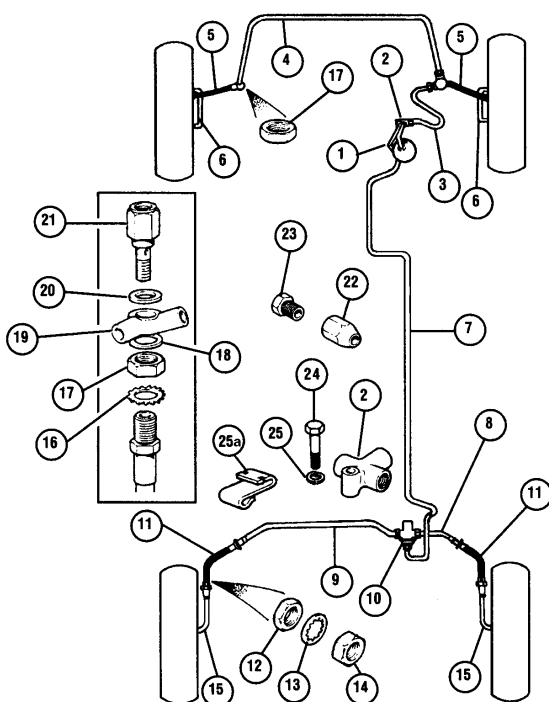
All Models

6	31G279	GASKET, single line master cyl	1	
	31G840	GASKET, dual master cyl	1	
7	FNZ505	NUT, master cylinder to bracket	2	
8	GHF332	WASHER, locking	2	
9	CLZ512	CLEVIS PIN, pedal to push rod	1	
10	GHF502	SPLIT PIN	1	
	TT3949	SERVO REMOTE	1	
		(As mk3 S, can be used as conversion on minis, comes as complete kit).		
	18G8938	REPAIR KIT, servo	1	for TT3949



Front To Rear Split System With Direct Acting Servo

11	GMC242	BRAKE MASTER CYLINDER	1	
	GMC90376	BRAKE MASTER CYLINDER	1	89 on metric fittings
12	GRK1032	REPAIR KIT	1	
	GRK6009	CAP, with float switch	1	
13	GSM119	SERVO UNIT	1	89 on
		(Not remote attached to master cylinder).		
14	GSM120	REPAIR KIT	1	
15	NAM8568	VACUUM HOSE, with return valve	1	
16	NAM8540	CLEVIS PIN, bell crank	2	
17	PS104221	SPLIT PIN	2	



No.	Part Number	Description	Reqd.	Details
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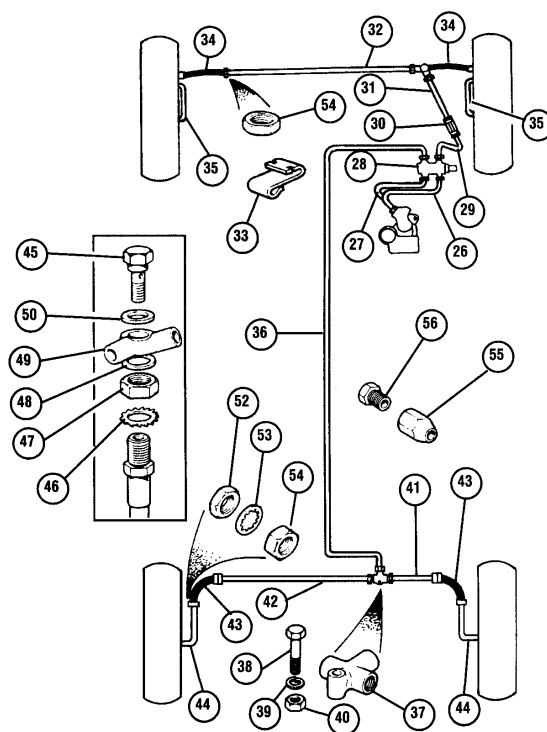
BRAKE PIPES ▲

Brake Pipes For Single Line Brakes (Drum Brakes)

1	GPP14AA	BRAKE PIPE	1	master cyl to 3 way union
2	3H2424	CONNECTOR, 3 way	1	
3	GPP18AA	BRAKE PIPE, 3 way	1	union to banjo connector
4	GPP46AA	BRAKE PIPE	1	banjo connector to LH front hose
5	GBH170	BRAKE HOSE, front flexible	2	
	GAC8412X	BRAKE HOSES, (4) stainless steel	1	front & rear
	MT5105	BRAKE HOSES, (5) stainless steel (Inc: GAC8447X clutch hose).	1	front & rear
	MT5401	BRAKE HOSES, (5) stainless steel (Inc: GAC0080 clutch hose).	1	front & rear
	233220A	WASHER, copper, brake to cylinder	2	
6	GPP10AA	BRAKE PIPE, front hub bridge pipe	2	
7	GPP102AA	BRAKE PIPE	1	3 way union to reg. valve
8	GPP6AC	BRAKE PIPE	1	reg. valve to RH rear hose
9	GPP26AC	BRAKE PIPE	1	reg. valve to LH rear hose
10	21A2031	REGULATOR VALVE,	1	mounted on rear subframe
11	GBH250	BRAKE HOSE, rear flexible	2	
	MT5101	BRAKE HOSES, rear stainless steel	1	pair
	MT5104	BRAKE HOSES, rear stainless steel (From subframe to wheel cylinder).	1	pair
12	NT606041	NUT, locking, hose to radius arm	2	
13	GHF323	WASHER, locking	2	
14	GHF202	NUT	2	
15	GPP10AC	BRAKE PIPE	2	rear brake hose to wheel cyl.
16	WE600101	WASHER, locking	2	
17	21A228	NUT, locking to subframe RH/LH	1	
	2K8686	NUT, locking to subframe RH/LH	1	
18	3H550	WASHER, copper	1	
19	11D5263	UNION, 2 way banjo	1	
	21A654	UNION 2 WAY, UNF	1	
20	233220A	WASHER, copper	3	
21	7H7995	BOLT, banjo for brake light switch	1	
22	TN606031	UNION, female UNF thread	a/r	
23	TM606031	UNION, male UNF thread	a/r	
24	GHF101	BOLT, 3 way connector to bulkhead	1	
25	GHF331	WASHER	1	
25a	11K9181	CLIP, pipe to subframe	a/r	

Brake Pipes For Split System - Front To Rear

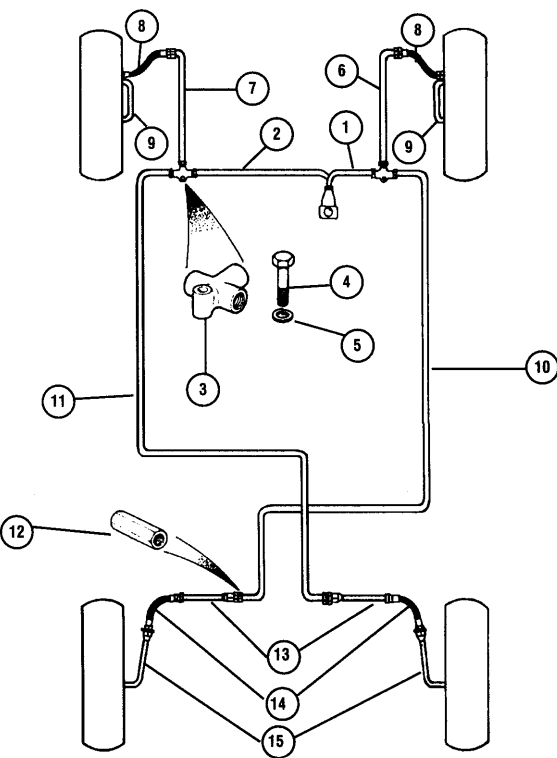
26	GPP13DD*	PIPE, m/cyl to PDWA (tandem)	1	long, RHD
	GPP30DD	PIPE, m/cyl to PDWA	1	long, LHD
27	GPP10DD*	PIPE, m/cyl to PDWA (tandem)	1	short, RHD



No.	Part Number	Description	Reqd.	Details
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*Note: If replacing these pipes ensure the correct ones are used, see note on page 114.

	GPP29DD	PIPE, m/cyl to PDWA	1	short, LHD
28	13H5905	FAILURE SWITCH, 4 way (PDWA)	1	to 1975, LHD
	FAM7821	P.D.W.A.	1	All RHD
		(Pressure Differential Warning Actuator).		& LHD from 1975
29	GPP9DD	BRAKE PIPE, PDWA to in-line connector	1	
30	BMK2466A	CONNECTOR, in-line	1	
31	GPP10AD	BRAKE PIPE, connector to banjo	1	
32	GPP44AA	BRAKE PIPE, banjo to LH front hose	1	
33	11K9181	CLIP, pipe to subframe	2	
34	GBH170	BRAKE HOSE, front	2	drum
	GBH249	BRAKE HOSE, front	2	disc
	GBH246	BRAKE HOSE, front flexible	4	ERA turbo twin feed
	GBH246Z	BRAKE HOSE, front flexible	4	ERA turbo non genuine
	GAC8412X	BRAKE HOSES, (4) stainless steel	1	front & rear
	MT5102	BRAKE HOSES, (2) stainless steel	1	front, pair
	MT5105	BRAKE HOSES, (5) stainless steel (Inc GAC8447X clutch hose).	1	front & rear
	MT5401	BRAKE HOSES, (5) stainless steel (Inc: GAC0080 clutch hose).	1	front & rear
	233220A	WASHER, copper,	2	brake hose to cylinder
35	GPP10AA	BRAKE PIPE, front bridge pipe	2	
36	GPP97AD	BRAKE PIPE	1	PDWA to rear T piece
37	3H2424	T PIECE	1	
38	SH604091	SCREW, T piece to rear subframe	1	
38	GHF331	WASHER, locking	1	
40	GHF200	NUT	1	
41	GPP6AC	BRAKE PIPE	1	T piece to RH rear hose
42	GPP26AC	BRAKE PIPE	1	T piece to LH rear hose
43	GBH250	BRAKE HOSE, rear flexible	2	
	MT5101	BRAKE HOSES, rear stainless steel	1	pair
	MT5104	BRAKE HOSES, rear stainless steel	1	pair, subframe to wheel cyl.
44	GPP10AC	BRAKE PIPE, rear hose to w/cyl	2	
45	C5192A	BOLT, banjo	1	
46	WE600101	WASHER, locking	2	
47	21A228	NUT, locking to subframe	1	RH/LH
	2K8686	NUT, locking to subframe	1	
48	3H550	WASHER, copper	1	
49	11D5263	UNION, 2 way banjo	1	
50	233220A	WASHER, copper	3	
52	NT606041	NUT, locking, hose to radius arm	2	
53	GHF323	WASHER, locking	2	
54	GHF202	NUT	2	
55	TN606031	UNION, female UNF thread	a/r	
56	TM606031	UNION, male UNF thread	a/r	



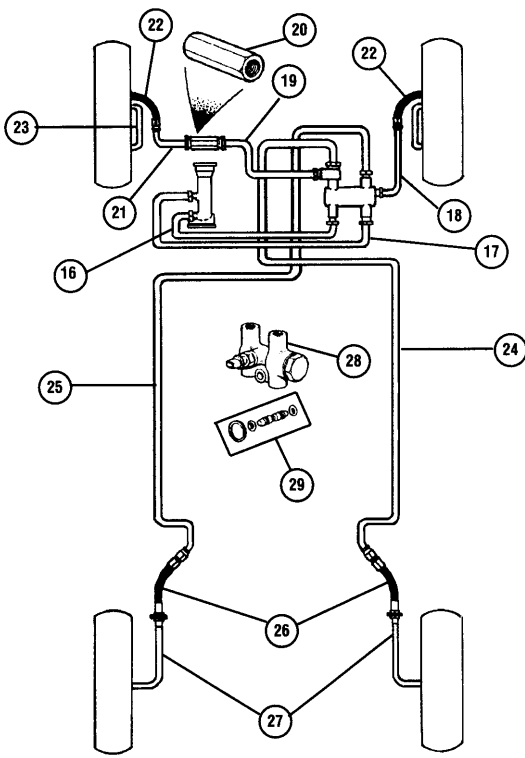
No.	Part Number	Description	Reqd.	Details
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BRAKE PIPES FOR DIAGONAL SPLIT SYSTEM (RHD) ▲

1	GPP10AD	BRAKE PIPE	1	m/cyl. to RH 3 way union
2	GPP34AD	BRAKE PIPE	1	m/cyl. to LH 3 way union
3	3H2424	UNION, 3 way	2	
4	GHF101	SCREW, 'T' piece to bulkhead	2	
5	GHF331	WASHER, locking	2	
6	GPP18AA	BRAKE PIPE	1	3 way union to RH front hose
7	GPP20AA	BRAKE PIPE	1	3 way union to LH front hose
8	GBH170	BRAKE HOSE, front	2	drum brakes
	GAC8412X	BRAKE HOSES, (4) stainless steel	1	front & rear
	MT5102	BRAKE HOSES, (2) stainless steel	1	front, pair
	MT5105	BRAKE HOSES, (5) stainless steel	1	front & rear
		(Inc: GAC8447X clutch hose).		
	MT5401	BRAKE HOSES, (5) stainless steel	1	front & rear
		(Inc: GAC0080 clutch hose).		
9	GPP10AA	BRAKE PIPE, w/cyl bridge pipe	2	
10	GPP122AD	BRAKE PIPE, RH	1	3 way union to LH rear connector
11	GPP118AD	BRAKE PIPE, LH	1	3 way union to RH rear connector
12	BMK2466A	CONNECTOR, rear pipes	2	
13	GPP8CD	BRAKE PIPE	2	rear connector to hose
14	GBH250	BRAKE HOSE, rear	2	
	MT5101	BRAKE HOSES, rear stainless steel	1	pair
	MT5104	BRAKE HOSES, rear stainless steel	1	pair, subframe to wheel cyl.
	NT606041	NUT, locking, hose to radius arm	2	
	GHF323	WASHER, locking	2	
	GHF202	NUT	2	
15	GPP10AC	BRAKE PIPE	2	rear hose to wheel cyl.

**BRAKE PIPES FOR DIAGONAL SPLIT SYSTEM (LHD) ▲
With Failure Switch (illustrated)**

16	GPP10AT	BRAKE PIPE, RHD	1	
	GPP30TT	BRAKE PIPE, LHD	1	m/cyl. to failure switch
17	GPP10AA	BRAKE PIPE, RHD	1	
	GPP32AA	BRAKE PIPE, LHD	1	
18	GPP17AA	BRAKE PIPE	1	fail. switch to RH front hose
19	GPP29AA	BRAKE PIPE	1	failure switch to connector
20	BCA4002	CONNECTOR	1	
21	GPP17AA	BRAKE PIPE	1	connector to LH front hose
22	GBH170	BRAKE HOSE, front	2	drum brakes
	GBH249	BRAKE HOSE, front	2	disc brakes



No.	Part Number	Description	Reqd.	Details
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	MT5103	BRAKE HOSES, (2) stainless steel	1	front, pair
	GAC8412X	BRAKE HOSES, (4) stainless steel	1	front & rear
	MT5102	BRAKE HOSES, (2) stainless steel	1	front, pair
	MT5105	BRAKE HOSES, (5) stainless steel	1	front & rear
		(Inc: GAC8447X clutch hose).		
	MT5401	BRAKE HOSES, (5) stainless steel	1	front & rear
		(Inc: GAC0080 clutch hose).		
23	GPP10AA	BRAKE PIPE, wheel cylinder bridge	2	drum brakes only
24	GPP96CT	BRAKE PIPE,	1	fail. switch to RH rear hose
25	GPP120CT	BRAKE PIPE,	1	fail. switch to LH rear hose
26	GBH250	BRAKE HOSE, rear	2	
	MT5101	BRAKE HOSES, rear stainless steel	1	pair
	MT5104	BRAKE HOSES, rear stainless steel	1	pair, subframe to wheel cyl.
27	GPP10CT	BRAKE PIPE, rear hose to w/cyl	2	
28	13H5905	FAILURE SWITCH	1	
29	BAU1704A	REPAIR KIT, failure switch	1	

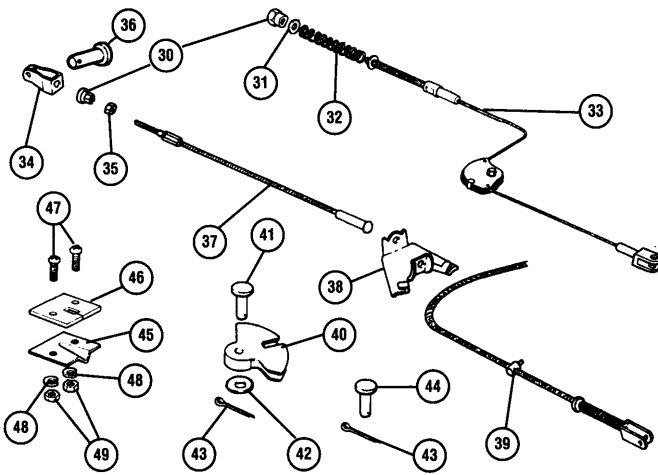
**BRAKE AND CLUTCH FLUIDS
When Did You Last Change Your Brake Fluid?**

DOT 3 fluid ought to be completely discarded, DOT 4 ('GBF4') should be installed and replaced every 2 years, as recommended by manufacturers.

An alternative, especially if you are replacing master cylinders, brake calipers and/or wheel cylinders, is to thoroughly flush out the pipes and install Silicone fluid (DOT5 'ABF'), which is 'Non-Hygroscopic', so it doesn't promote rust problems in the hydraulic system. The bonus is that it won't damage paint work. When silicone is in use it will provide years of trouble free braking and an end to the monotonous and expensive pastime of repairing or replacing worn or leaking hydraulic components.

Racing Fluid (DOT 5 'GBF5') really is the ultimate in brake fluid. Its anti-boil properties mean that even when the brakes get hot the fluid will remain efficient, rather than boiling locally (such as in the calipers) into useless vapour. Ideal on the race track or when the brakes are used to their limits. Due to its high 'Hygroscopic' nature, DOT 5 Racing fluid should be replaced annually otherwise the quality and effectiveness will be drastically reduced.

GBF4102	BRAKE/CLUTCH FLUID, dot 4	a/r	500ml
GBF4103	BRAKE/CLUTCH FLUID, dot 4	a/r	1 litre
GBF4104	BRAKE/CLUTCH FLUID, dot 4	a/r	5 litre
ABF3	BRAKE/CLUTCH FLUID	a/r	silicone 500ml
ABF4	BRAKE/CLUTCH FLUID	a/r	silicone 1 litre
GBF5102	BRAKE/CLUTCH FLUID, dot 5	a/r	racing 500ml
GBF5103	BRAKE/CLUTCH FLUID, dot 5	a/r	racing 1 litre



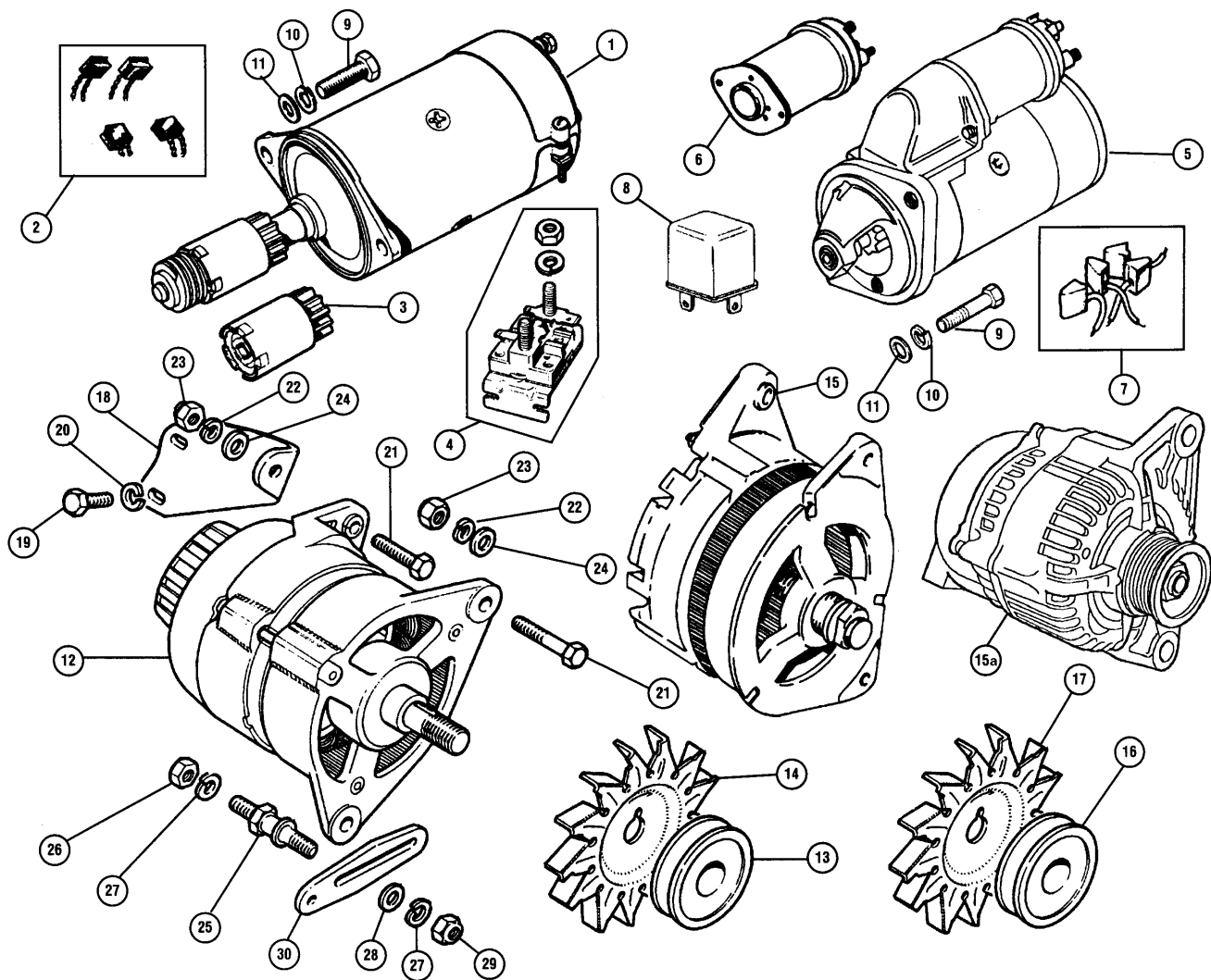
No.	Part Number	Description	Reqd.	Details
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HANDBRAKE CABLES AND FITTINGS ▲

30	2A5858*	NUT, cable adjusting	1/2	
31	PWZ204*	WASHER	4	
32	ACH8508*	SPRING, adjuster tension	1/2	
33	GVC1022	CABLE, handbrake (Dry suspension saloon).	2	twin cable system
	GVC1021	CABLE, handbrake (Hydrolastic suspension saloon).	2	twin cable system
	GVC1020	CABLE, handbrake (Van, estate and pick up).	2	twin cable system
34	FAM628	FORK, cable end	1	
35	31G5049	NUT, cable adjusting	1	
36	CLZ513	CLEVIS PIN,	1	fork to handbrake lever
37	GVC1035	CABLE	1	lever to compensator
	FAM625	CABLE (Pick up, van or estate).	1	
38	FAM621	COMPENSATOR	1	
39	GVC1034	CABLE	1	between wheels
40	21A2454	QUADRANT	2	
41	CLZ549	CLEVIS PIN	2	
42	AWZ105	WASHER, waved	2	
43	GHF502	SPLIT PIN	4	for CLZ549 & CLZ409
44	CLZ409	CLEVIS PIN	2	cable to brake levers
45	ACA5522*	GUIDE, cable through floor	1/2	
46	21A385*	SEAL, cable guide to floor	1/2	
47	SE910201*	SCREW, guide retaining	2/4	
48	WL700101*	WASHER, locking	2/4	
49	GHF206*	NUT	2/4	

*Note: quantity increased when twin cables fitted to early cars.

MT5501	BRAKE PIPE, stainless steel	1	pair
	(Servo mounted master cylinder to valve on bulk head, because pipes are flexible this allows the master cylinder and servo unit to be removed and repositioned, without separating brake hoses).		
HGB1017	BRAKE PIPE SET	1	Cooper mk1 & S
HGB1018	BRAKE PIPE SET	1	Cooper mk2/3
HGB4991	BRAKE PIPE SET	1	single line to August 69 (Dry cone suspension).
HGB4882	BRAKE PIPE SET	1	single line from August 69 (Dry cone suspension).
HGB4999	BRAKE PIPE SET	1	front/rear split 80 to 89
HGB4999L	BRAKE PIPE SET	1	front/rear split 80 to 89 lhd
HGB5001	BRAKE PIPE SET	1	single line to August 69 (Hydrolastic suspension).
HGB5002	BRAKE PIPE SET	1	single line from August 69 (Hydrolastic suspension).
HGB5002L	BRAKE PIPE SET	1	single line from August 69 (Hydrolastic suspension lhd).
HGB5007	BRAKE PIPE SET	1	78 on (Van, estate dual system).
HGB5008	BRAKE PIPE SET	1	78-80 front/rear split (Imperial master cylinder)
HGL5008	BRAKE PIPE SET	1	78-80 front/rear split (Imperial master cylinder lhd).
HGB5014	BRAKE PIPE SET	1	77-78 front/rear split



No.	Part Number	Description	Reqd.	Details
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STARTER MOTORS ▲

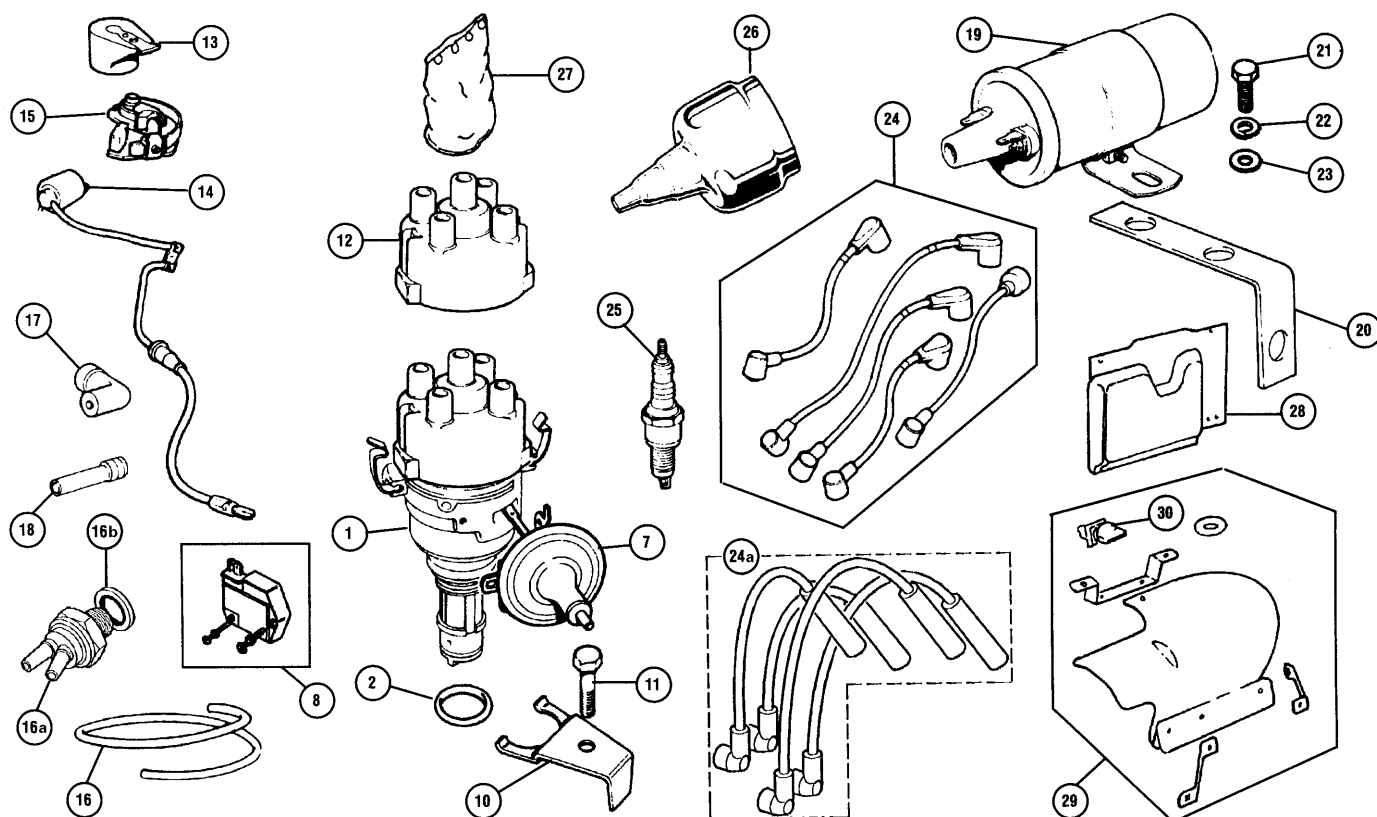
1	GXE4404	STARTER MOTOR, inertia, rebuilt	1	to 1985
	HMP240016E	STARTER MOTOR, inertia, rebuilt	1	to 1985
	GXE4404X	STARTER MOTOR, high torque	1	
(Powerful internal steel clutch gears for increased torque, straight replacement for o.e. weighs just 3.9kg. Huge increase in cranking power therefore essential for engines with increased compression ratios).				
2	GSB105	BRUSH SET, 35J type starter	1	
3	67H5010	PINION, 9 teeth	1	alternatives
	BAU5781	PINION, 10 teeth	1	
4	13H5952	SOLENOID, inertia starter	1	
5	GXE4527	STARTER MOTOR, pre-engaged	1	from 1985 on
6	NAF10004	SOLENOID, pre engaged starter	1	
7	BAU5448	BRUSH SET, pre-engaged starter	1	
8	YWB10032	RELAY, pre engaged starter	1	
9	SH506101	SCREW, starter to housing	2	
10	GHF332	WASHER, locking	2	for both types
11	GHF302	WASHER, plain	2	

ALTERNATORS ▲

12	GXE2337	ALTERNATOR, 16 ACR, rebuilt	1	to 1981
	GXE8211	ALTERNATOR, 17 ACR, rebuilt	1	alternatives
	GEU250	PLUG, cable end	1	
13	12G1054	PULLEY, 2.750" diameter	1	
	BAU1461A	PULLEY, 2.500" diameter	1	
14	C37222A	FAN, alternator	1	use with 12G1054
(ACR types; 23640, 23725, 23774, 23750, 23748 & 23804).				
	AAU3956A	FAN, alternator	1	use with BAU1461
(ACR type; 23802).				

No.	Part Number	Description	Reqd.	Details
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15	GXE2257	ALTERNATOR, A115/45, rebuilt	1	1981-85
	GXE2297	ALTERNATOR, A127/45, rebuilt	1	from 1985 on
15a	GNU2521	ALTERNATOR, multi groove belt	1	96 on fitment mpi,
16	BAU5819	PULLEY, alternator (A115/45)	1	use with GXE2257
	ADU7778	PULLEY, alternator (A127/45)	1	use with GXE2297
	GCB10813	ALTERNATOR BELT, (813mm long)	1	to 1985
	GCB10838	ALTERNATOR BELT, (838mm long)	1	A115 alternator 81-85
	GCB10825	ALTERNATOR BELT, (825mm long)	1	A127 alternator 85 on
	GMB50920	ALTERNATOR BELT, multi groove	1	mpi 96 on
17	ADU4354	FAN, alternator (A115/45)	1	use with GXE2257
	AUU1097	FAN, alternator (A127/45)	1	use with GXE2297
18	12G1053	BRACKET, rear mounting	1	pre A+ engines
	CAM4853	BRACKET, rear mounting	1	A+ engines
19	GHF120	SCREW, bracket to block	2	
20	GHF332	WASHER, locking	2	
21	BH605131	BOLT	2	alternator to rear bracket + water pump
22	GHF332	WASHER, locking	2	
23	GHF201	NUT, plain 5/16" UNF	2	
24	WC108051	WASHER, plain	1	
25	12G289	PILLAR, adjustment link	1	pre A+ engines
	SH606111	SCREW, 3/8"	1	A+ engines
	TAM1645	SPACER, adjusting link	2	engine front plate to alternator link
26	GHF202	NUT, plain, 3/8" UNF	2/1	quantity reduced
27	GHF333	WASHER, locking	2/1	with SH606111
28	GHF302	WASHER, plain	2/1	
29	GHF223	NUT, nyloc	1	not used with SH606111
30	12G2627	LINK, alternator adjustment	1	



No.	Part Number	Description	Reqd.	Details
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DISTRIBUTORS ▲

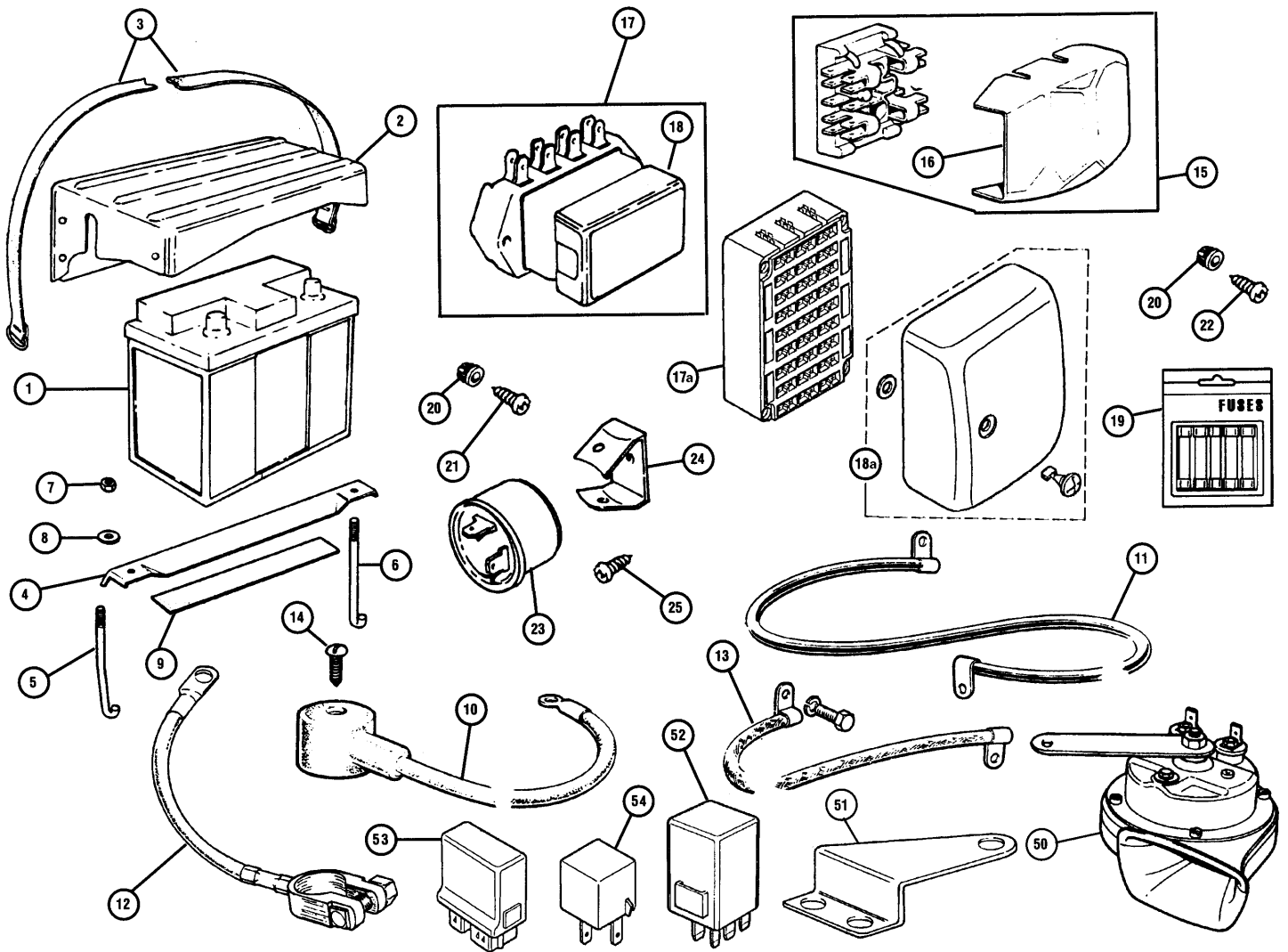
1	BAU1962	DISTRIBUTOR (45D)	1	998cc pre A+
	ADU3766	DISTRIBUTOR (45D)	1	998cc A+
Use prior to AAU9142 or ADU4049.				
	AAU9142	DISTRIBUTOR (59D)	1	998cc A+
(For engine codes: 99H/791P/792P/A97P/B83P/B84P/B85P/D83P/E22).				
	ADU4049	DISTRIBUTOR (59D)	1	998cc A+
(For engine codes: 99H/997P/998P/A53P/A94P/B81P/B82P/C20P/D80P/D82P).				
	ADU5789	DISTRIBUTOR (59D)	1	998cc A+ lead free
	AUU1536	DISTRIBUTOR, electronic	1	Cooper 1300 + SE
	TMG10871	DISTRIBUTOR	1	performance distributor
(With fast road ignition curve, with vacuum unit for A series engines only).				
	TMG10873	DISTRIBUTOR	1	performance distributor
(With fast road ignition curve, no vacuum unit for A series engines only, side entry cap fitted).				
	100AYS	DISTRIBUTOR	1	performance distributor
(With fast road ignition curve, no vacuum unit for A series engines only).				
	100AYP	DISTRIBUTOR	1	performance distributor
(With fast road ignition curve, no vacuum unit for A+ engines only).				
2	513682A	O' RING, distributor	1	
7	37H8225	VACUUM UNIT, Lucas	1	to 1976
	37H8414	VACUUM UNIT, Lucas	1	1976 to '89
(Use with distributor AAU9142).				
	37H8226	VACUUM UNIT, Lucas	1	1980 to '89
(Use with distributor ADU4049 & ADU5789).				
	BAU5252	VACUUM UNIT, Ducellier	1	
	BAU5309	VACUUM UNIT, Lucas	1	Cooper 1300
(Use with distributor AUU1536).				
8	NJC10001	MODULE, electronic ignition	1	Cooper 1300 + SE
10	613857A	CLAMP, distributor	1	A to 1985
	TAM1671	CLAMP, distributor	1	A+ 1985 on
11	CAM6105	BOLT, distributor clamp	1	A to 1985
	TAM1706	BOLT, distributor clamp		A+ 1985 on

IGNITION SYSTEM SERVICE PARTS ▲

12	GDC136	CAP, distributor	1	Lucas 45D & 59D
	GDC214	CAP, distributor	1	Ducellier distributor
	GDC156	CAP, distributor	1	Cooper 1300 + SE
	GDC156BLUE	CAP, distributor	1	Cooper 1300 + SE blue
	GDC156RED	CAP, distributor	1	Cooper 1300 + SE red
	GDC156CLEAR	CAP, distributor	1	Cooper 1300 + SE clear

No.	Part Number	Description	Reqd.	Details
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13	GRA2114	ROTOR ARM	1	Lucas 45D & 49D
	GRA123	ROTOR ARM	1	Ducellier distributor
	GRA2123	ROTOR ARM	1	Ducellier distributor
	GRA2143	ROTOR ARM	1	Cooper 1300 + SE
14	GSC2109	CONDENSER	1	Lucas 45D & 59D
	GSC113	CONDENSER	1	Ducellier distributor
15	GCS2118	CONTACT SET	1	Lucas 45D
	GCS119	CONTACT SET	1	Ducellier distributor
	GCS2124	CONTACT SET	1	Lucas 59D
16	37H4229M	VACUUM PIPE	1	
16a	MAQ10008	VACUUM SWITCH	1	92 on
(Thermostatically controlled vac switch fits in thermostat housing).				
16b	MAW10001	WASHER	1	seal vacuum switch
17	12B2062	CONNECTOR, vacuum pipe	1	angled
18	12B2095	CONNECTOR, vacuum pipe	1	straight
19	GCL110	COIL	1	to 1982
	GCL132	COIL, Ballast resistor	1	all 1982 on
	GCL143	COIL, electronic	1	
19a	GCL204	COIL, coil pack	1	96 on mpi
20	12G2994	BRACKET, coil mounting to head	1	Lucas coil
	JZV1347	BRACKET, coil mounting to head	1	Bosch coil
	JZV1348	BRACKET, coil mounting to head	1	Ducellier coil
21	SH605041	SCREW, coil to bracket	2	
22	GHF332	WASHER, locking	2	
23	WC108051	WASHER, plain	2	
24	GHT7003	HT LEAD SET	1	
	GHT241	HT LEAD SET	1	
	GHT241Z	HT LEAD SET	1	
24a	GHT289	HT LEAD SET	1	96 on mpi
25	BP6ES	SPARK PLUG, non resistor	4	998cc to 1986
	BP5ES	SPARK PLUG, non resistor	4	998cc from 1987 to 09/89
	BPR4EVG	SPARK PLUG, resistor (lead free)	4	998cc from 10/1989 on
	BPR6ES	SPARK PLUG, resistor	4	1275cc Cooper carb & TBI
26	8G727	COVER, coil	1	not fitted as standard
27	AUU1104	COVER, distributor	1	VIN 315055
28	BHM773	COVER, moulded plastic (grille)	1	Van
29	BHM1675	SHIELD KIT, ignition system	1	from 315056
	BHM1676	SHIELD KIT, ignition system	1	
	NJT10004	SHIELD KIT, ignition system	1	Cooper SE
	NJT10012	SHIELD KIT, ignition system	1	Cooper 1300
	GDS101	SHIELD KIT, ignition system	1	Clubman
	GDS102A	SHIELD KIT, ignition system	1	Small saloon
30	13H6461	TURN BUTTON, shield retaining	3	



No.	Part Number	Description	Reqd.	Details
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BATTERIES AND CABLES ▲

1	GBYM4	BATTERY, wet (shop callers only)	1	all models
2	5L877	COVER, battery	1	
3	14A7776	STRAP, battery cover retaining	1	
4	HAM2457	BAR, battery retaining	1	
5	5L1158	HOOK BOLT, rear	1	
6	5L1159	HOOK BOLT, front	1	
7	GHF200	NUT, hook bolt	4	
8	GHF300	WASHER, plain	2	
9	078447A	PACKING STRIP	1	cut to length
10	5L885	CABLE, battery to solenoid	1	inertia starters
	AUU1089	CABLE, battery to solenoid	1	pre engaged starters
11	5L924	CABLE, battery earth	1	
12	5L1137	CABLE, engine earth	1	
13	5L925	CABLE, solenoid to starter	1	inertia starters only
14	2K8645	SCREW, cable to battery terminal	1	
	GHF2750	CLAMP, battery terminal, -VE	1	
	GHF2755	CLAMP, battery terminal, +VE	1	

FUSE BOX, FUSES AND FLASHER UNITS ▲

15	606253A	FUSE BOX, (2 fuses required)*	1	to 1976
16	505158A	COVER, fuse box	1	
17	RTC440A	FUSE BOX, (4 fuses required)*	1	1976 on
17a	AFU3103	FUSE BOX	1	1996 on mpi

(Located inside car under dash in drivers footwell).

*Note: Fuse boxes do not come with fuses

18	518995A	COVER, fuse box	1	
18a	YQH100720PMA	COVER, fuse box	1	mpi 96 on

No.	Part Number	Description	Reqd.	Details
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19	GFS3015	FUSES, 15A, pack of five	1	as required
	GFS3025	FUSES, 25A, pack of five	1	
	GFS3035	FUSES, 35A, pack of five	1	
20	GHF1030	NUT, insert in bulkhead	1/2	(Qty increased for fuse box RTC440A).
21	AB610081	SCREW, self tapping	2	use with RTC440A
22	AB608031	SCREW, self tapping	1	use with 606253A
23	GFU2125	FLASHER UNIT	1	cars with repeater lamps
	GFU2124	FLASHER UNIT	1	cars without repeater lamps
	GFU2204	FLASHER UNIT, hazard lights	1	
	GFU2218	FLASHER UNIT	1	two pin includes bracket
	GFU2208	FLASHER UNIT	1	three pin hazard warning
24	BHA4780	CLIP, square flasher unit (Lucas)	a/r	
	BHA4780X	CLIP, round flasher (Tex)	a/r	
25	GHF425	SCREW, clip to bulkhead	a/r	

HORNS ▲

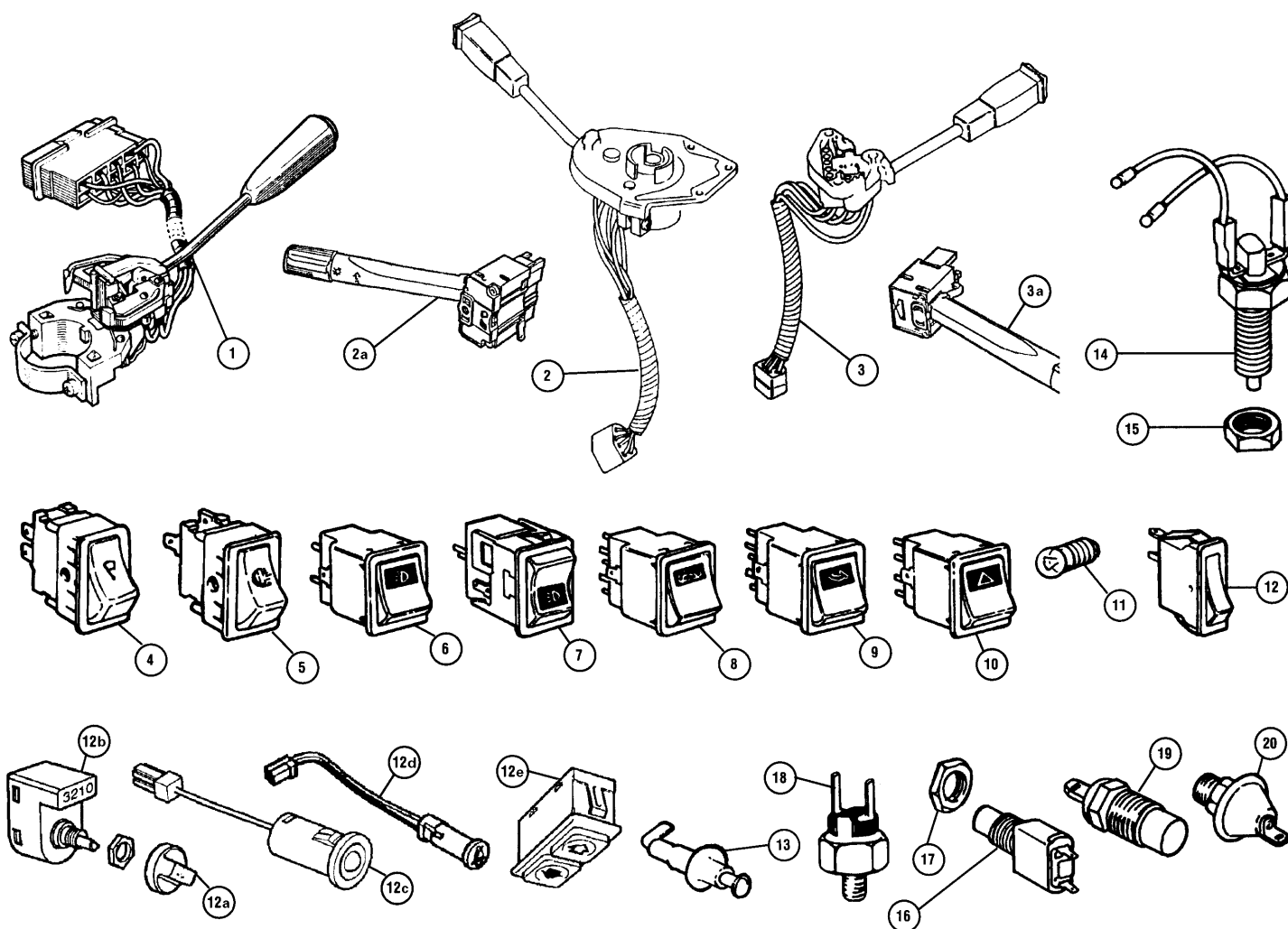
(Note R-Numbering of Horns)

50	GGE101	HORN, high tone, single terminal	1	France, to Vin 175685
	GGE164	HORN, high tone, twin terminal	1	
	GGE165	HORN, low tone, twin terminal	1	
51	607950A	BRACKET	1	to VIN175685
	GGE124	BRACKET	1	from VIN175685

Note: Brackets may require modification due to metric threads on horns.

52	YWC10050	RELAY, dim dip control	1	
53	YWB10022	RELAY, spi and mpi	1	engine management relay
54	YWB10012	RELAY, multi use	A/R	

(Headlamps/horn/driving lamps/direction indicators lamps/cooling fan/oxygen sensor/starter).



No.	Part Number	Description	Reqd.	Details
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COLUMN SWITCHES ▲

1	2A6215	SWITCH, indicator	1	mk1 with indicator warning lamp on the end of stalk
	47H5200	LENS, green	1	
	13H7779	SWITCH, indicator with horn & dip	1	to 1976
2	21A2658	SWITCH, indicator, RH side	1	RHD, 1976 to VIN 196212
	21A2660	SWITCH, indicator, LH side	1	from VIN196213-290002
	BAU5345	SWITCH, indicator, LH side	1	VIN290003 on
2a	XPC100200PMP	SWITCH, indicator, LH side	1	96 on mpi
3	37H8285	SWITCH, wipers, LH side	1	RHD, 1976 to VIN196212
	37H8286	SWITCH, wipers, RH side	1	from 196212-290002
	BAU5346	SWITCH, wipers, RH side	1	VIN290003 on
3a	XPE100420PMP	SWITCH, wipers, RH side	1	96 on mpi

Note: for manual washer pump fitted prior to 1976 please see page 123.

Between 1976 & 1984 BL Cars bought switches from both Lucas and Bonnella. Only Lucas switches are currently supplied, so when replacing a Bonnella switch both Lucas switches must be purchased as the two makes are not compatible. To quickly identify which is fitted to your car, Lucas type wash/wipe is fitted to the indicator switch by a hex-headed self tapping screw whereas the Bonnella type is rivetted.

DASH SWITCHES ▲

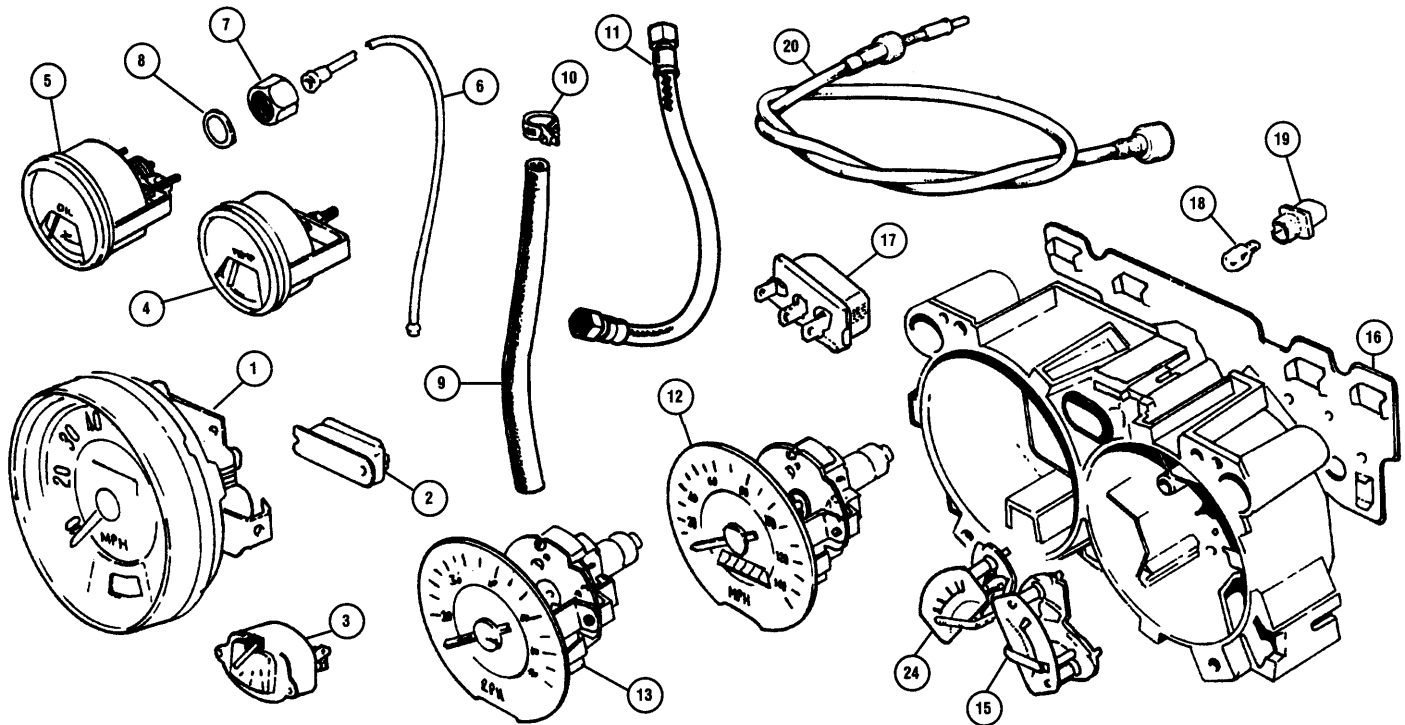
4	13H6343	SWITCH, wipers, single speed	1	Lucas terminals to 1976
	13H6444	SWITCH, wipers, two speed	1	
5	13H6342	SWITCH, lights	1	
6	YUF101030	SWITCH, lights	1	
	ADU4778	SWITCH, lights	1	
7	ADU4791	SWITCH, fog lights	1	

No.	Part Number	Description	Reqd.	Details
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8	YUF101020	SWITCH, heated rear screen	1	pin terminals from 1976
9	ADU4794	SWITCH, brake check switch	1	
10	13H8725	SWITCH, hazards	1	
	YUF101660	SWITCH, hazards	1	
11	GLB921	BULB, illuminating switches	a/r	
12	YUF101090	SWITCH, heater control	1	
12a	YWN10002	L.E.D. LIGHT, burglar alarm	1	alarm indicator L.E.D. light fits into dash
			1	
12b	YUK100140	SWITCH, headlamp level	1	rotary switch
12c	YUM10002	KNOB, rotary switch	1	
12d	XHC100010	WARNING LAMP	1	seat belt indicator
12e	YUC10004	SWITCH, sunroof	1	fitted to British open classic
	FBX10012	SWITCH PANEL	1	5 switch holes

MISCELLANEOUS SWITCHES ▲

13	YUE10003	SWITCH, door courtesy light	2	
14	GAE191A	SWITCH, reverse lights	1	
15	22A1613	LOCK NUT, reverse light switch	1	
16	13H3735	SWITCH, brake lights	1	mechanical type
17	BMK1903A	NUT, locking	1	
18	C16062A	SWITCH, brake lights,	1	hydraulic type
19	GTR101	SENDER UNIT, water temperature	1	
	GTR143	SENDER UNIT, water temperature	1	Cooper 1300
20	GPS133	SWITCH, oil pressure	1	
	MAV10021	VALVE, anti run-on	1	Cooper 1300
	21A2252	HORN PUSH	1	MK2 & 3



No. Part Number Description Req'd. Details

CENTRE BINNACLE INSTRUMENTS ▲

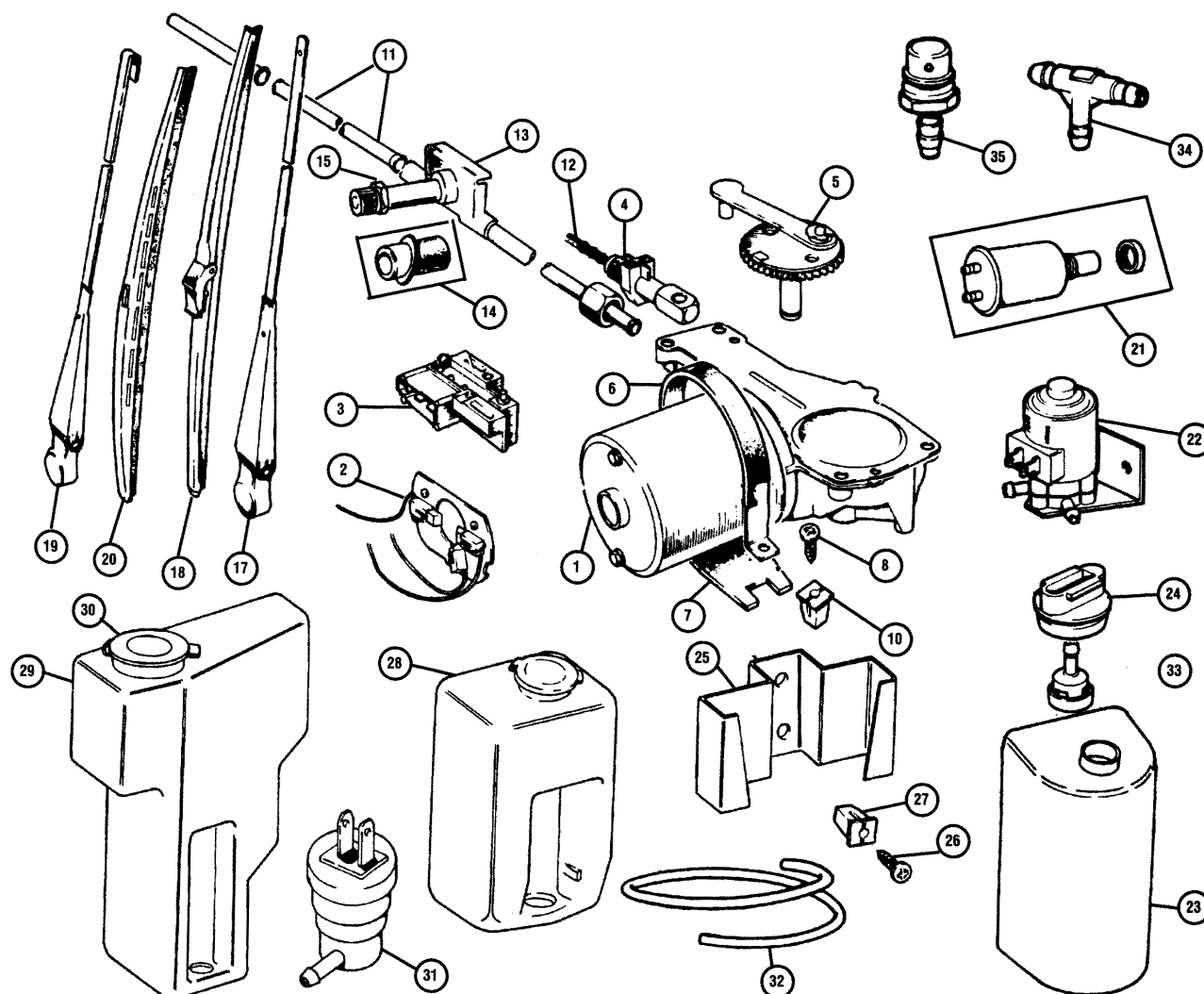
1	ADU2341	SPEEDOMETER, MPH, 90MPH	1	3.4 final drive
	ADU2343	SPEEDOMETER, KPH, 140KPH	1	3.4 final drive
	13H4442	SPEEDOMETER, MPH, 130MPH	1	Cooper S
	13H4442M	SPEEDOMETER, MPH, 130MPH	1	Cooper S Magnolia face
	13H4444	SPEEDOMETER, KPH, 200KPH	1	Cooper S
	13H4444M	SPEEDOMETER, KPH, 200KPH	1	Cooper S Magnolia face
2	C34770A	VOLTAGE STABILISER	1	BR1310/00
3	13H2133	FUEL GAUGE	1	
4	13H4460	GAUGE, water temperature	1	
	14A4460W	GAUGE, water temperature	1	Magnolia face
5	13H4459	GAUGE, oil pressure	1	
	14A4459W	GAUGE, oil pressure	1	Magnolia face
6	21A804	OIL PIPE, gauge to hose	1	
7	11B2037	NUT	1	
8	24K4936	SEALING WASHER	1	
9	CHA600	OIL HOSE	1	
	ACA5420	OIL HOSE	1	
	MT9102	OIL HOSE	1	braided 4ft long
10	AAU1818	OIL HOSE CLIP	2	
11	LUSIB703	HOSE (plastic), oil gauge	1	alternative, with fittings
	CAM4202	OIL PIPE, hose to cyl block	1	
	GLB987	BULB, dash illumination	a/r	
	24A2702	BINNACLE, 3 clocks	1	centre clocks
	14A9907	FINISHER TRIM, centre binnacle	1	
	14A9796	CLIP, trim to binnacle	14	
	GAC8460X	BINNACLE, crinkle black, single auxiliary	1	for 80mm gauge
	GAC8461X	BINNACLE, crinkle black, two gauge aux.	1	for 80mm + 52mm gauge
	GAC8468X	BINNACLE, crinkle black, single auxiliary	1	for 52mm gauge
	GAC8469X	BINNACLE, crinkle black, two auxiliary	1	for 52mm gauge
	GAC8469XNF	BINNACLE, unfinished, two auxiliary	1	for 52mm gauge
	GAE120	GAUGE, dynamo ammeter	1	black half face 52mm
	GAE121	GAUGE, alternator ammeter	1	black half face 52mm
	GAE122	GAUGE, voltmeter	1	black half face 52mm
	GAE123M	GAUGE, capillary oil pressure	1	magnolia half face 52mm
	GAE123X	GAUGE, capillary oil pressure	1	black half face 52mm
	GAE124M	GAUGE, electric water temperature	1	magnolia half face 52mm
	GAE124X	GAUGE, electric water temperature	1	black half face 52mm
	GAE125X	GAUGE, 0-7000 tachometer	1	black full face 80mm
	GAE127X	GAUGE, dual w/temp + o/press (Capillary water temp and capillary oil pressure).	1	black two face 52mm
	GAE128M	GAUGE, clock	1	magnolia full face 52mm
	GAE128Z	GAUGE, clock	1	black full face 52mm
	GAE129M	GAUGE, oil temperature	1	magnolia half face 52mm

No. Part Number Description Req'd. Details

GAE130A	GAUGE, 0-10000 tachometer	1	black full face 80mm
GAE130M	GAUGE, 0-8000 tachometer	1	magnolia full face 80mm

ALL SALOONS AFTER 1980 (SMITHS ONLY) ▲

12	ADU2281	SPEEDOMETER, MPH	1	HL models
	ADU2283	SPEEDOMETER, KPH	1	to VIN122248
	ADU6142	SPEEDOMETER, MPH	1	HLE, Mayfair & Ritz
		(From VIN122249 to VIN290002).		
	ADU6144	SPEEDOMETER, KPH	1	HLE & Mayfair only
		(From VIN122249 to VIN290002).		
	BAU5340	SPEEDOMETER, KPH	1	Ritz only
		(From VIN277263 to VIN290002).		
	BAU5402	SPEEDOMETER, MPH	1	from VIN290003
	BAU5403	SPEEDOMETER, KPH	1	
13	ADU1197	TACHOMETER	1	to VIN290002
	BAU5404	TACHOMETER	1	from VIN290003
14	13H5894	FUEL GAUGE	1	to VIN122248
	ADU6455	FUEL GAUGE	1	from VIN122249
			1	to VIN290002
	BAU5405	FUEL GAUGE	1	from VIN290003
15	13H5893	TEMPERATURE GAUGE	1	to VIN122248
	ADU6456	TEMPERATURE GAUGE	1	from VIN122249
			1	to VIN290002
	BAU5406	TEMPERATURE GAUGE	1	from VIN290003
16	37H4881	PRINTED CIRCUIT BOARD	1	2 clock pod
	BAU1930	PRINTED CIRCUIT BOARD	1	3 clock pod
	CDU3247	PRINTED CIRCUIT BOARD	1	3 clock pod 89 - 96
	YAH100750	PRINTED CIRCUIT BOARD	1	3 clock pod 96 on
17	BMK1539A	VOLTAGE STABILISER	1	
18	GLB2132	BULB, dash illumination	a/r	
19	13H5270	BULB HOLDER	a/r	
20	GSD101	DRIVE CABLE, speedometer	1	centre binnacle
	GSD102	DRIVE CABLE, speedometer	1	to VIN122248
	GSD415	DRIVE CABLE, speedometer	1	from VIN122249
	GSD402	DRIVE CABLE, speedometer	1	LHD all models
	GSD487	DRIVE CABLE, speedometer	1	89 on
	MT9501B	GAUGE FACE KIT, blue	1	fits 89 on Nippon Seiko
	MT9501G	GAUGE FACE KIT, green	1	fits 89 on Nippon Seiko
	MT9501M	GAUGE FACE KIT, magnolia	1	fits 89 on Nippon Seiko
	MT9501R	GAUGE FACE KIT, red	1	fits 89 on Nippon Seiko
	MT9501S	GAUGE FACE KIT, silver	1	fits 89 on Nippon Seiko
	MT9501W	GAUGE FACE KIT, white	1	fits 89 on Nippon Seiko
	MT9501Y	GAUGE FACE KIT, yellow	1	fits 89 on Nippon Seiko
	GAC8453X	CENTRE BINNACLE KIT	1	see accessories



No.	Part Number	Description	Reqd.	Details
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WINDSCREEN WIPER SYSTEM ▲

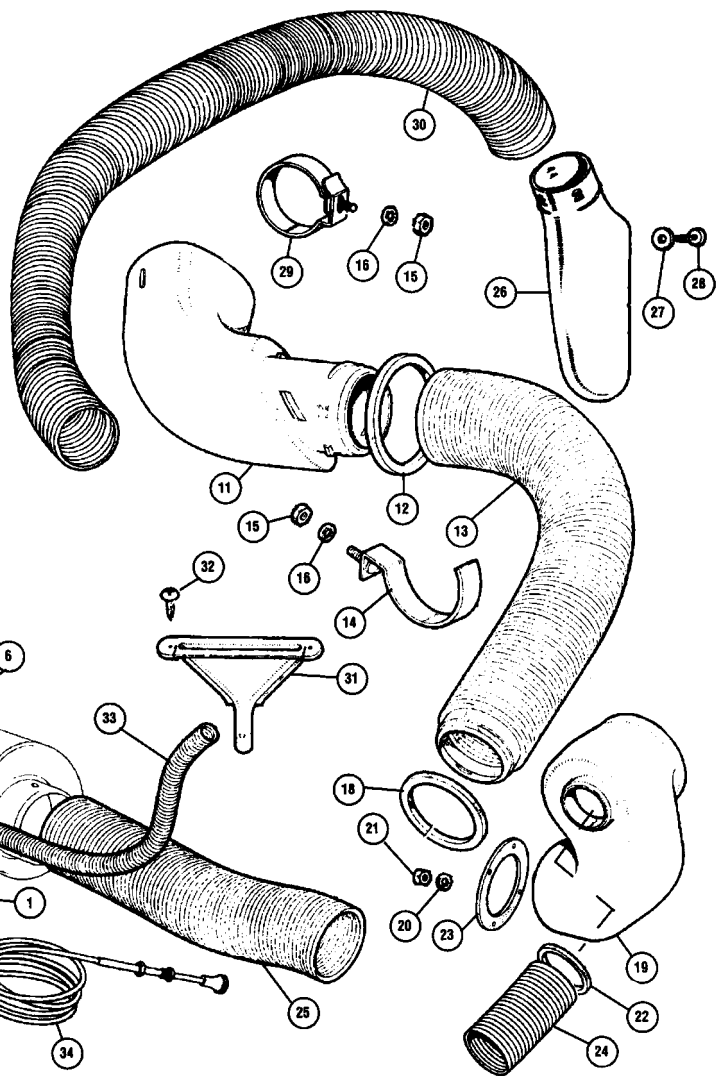
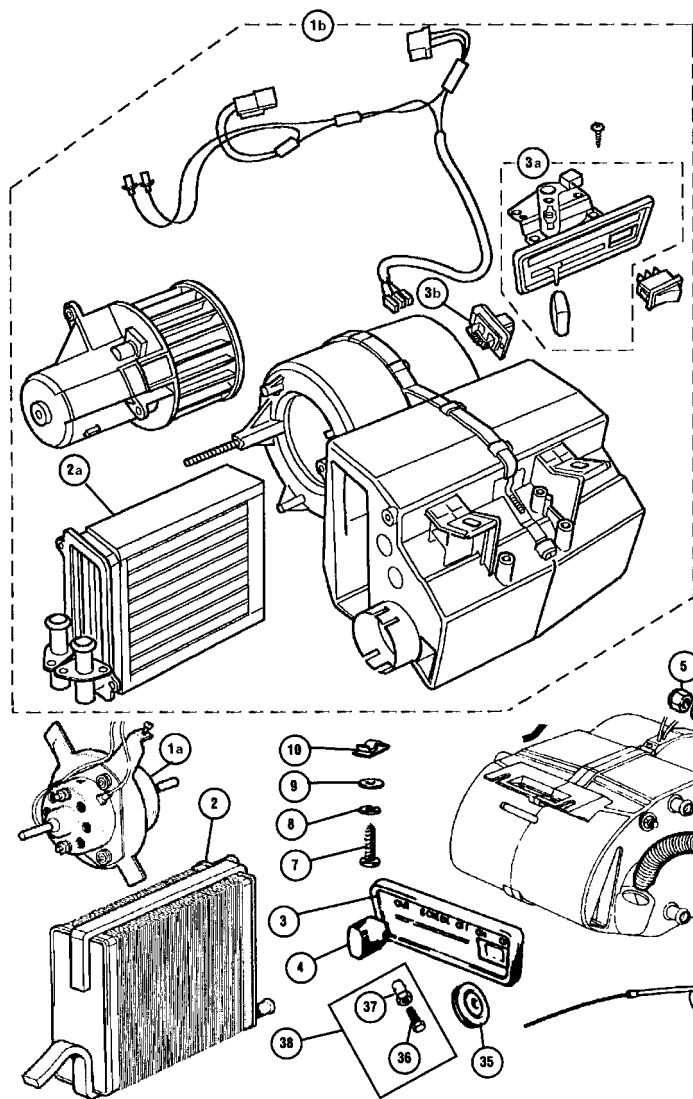
1	GEU7708	WIPER MOTOR	1	less drive gear
	GEU7708Z	WIPER MOTOR	1	rebuild units

Note: due to the motor assembly being used in many different cars, the drive gear is not supplied with an exchange assembly, it must be retained from the original.

2	RTC198A	BRUSH KIT	1	
3	520160A	PARK SWITCH	1	
4	37H3694	FERRULE, wiper motor	1	
5	608092A	GEAR (110 degree) 46 teeth	1	
6	37H4836	STRAP, motor to bulkhead	1	
7	13H4718	PAD, wiper motor to bulkhead	1	
8	AB612051	SCREW, strap retaining	2	self tapping
	SE604051	SCREW, strap retaining	2	machine thread
	GHF300	WASHER, plain	2	not illustrated
10	GHF1029	NUT, insert in bulkhead	2	
11	AAU1909A	TUBE KIT, wiper rack guide	1	cut & flare to fit
	DKJ10004	TUBE KIT, wiper rack guide	1	LHD VIN396449 on
12	RTC202A	WIPER RACK	1	
13	37H7200	WIPER WHEEL BOX	2	
14	37H7201	WIPER BUSH KIT	2	
15	17H8769	WIPER WHEEL BOX NUT	2	
	14A7091	PLUG, Unused wiper Holes	2	
	WPA9022X	WIPER ARMS AND BLADES KIT	1	RHD includes: GWB219Z x 2 and 13H5629 x 2 LHD includes: GWB219Z x 2 and 13H5626 x 2
	WPA9023X	WIPER ARMS AND BLADES KIT	1	
17	13H5629	WIPER ARM, s/steel RHD	2	
	13H5626	WIPER ARM, s/steel LHD	2	
	CZH4331	WIPER ARM, black RHD	2	
	CZH4173	WIPER ARM, black LHD	2	
18	GWB219Z	BLADE, wiper, s/steel	2	

No.	Part Number	Description	Reqd.	Details
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	GWB911	BLADE, wiper, black	2	
	GWB377	BLADE, wiper, black	2	
19	DKB101480	WIPER ARM, hook fitting RHD	2	1990 on
	DKB101490	WIPER ARM, hook fitting LHD	2	
20	GWB341	BLADE, wiper, hook fitting	2	
21	GWV102	WASHER PUMP, manual	1	
22	GWV125	WASHER PUMP, electric	1	remote mounted 1976 to VIN107477
	GWV1069	WASHER PUMP, electric	1	
	GWV1080	WASHER PUMP, electric	1	80 on
	GWV1192	WASHER PUMP, electric	1	89 on
23	GWV906	BOTTLE (1 litre)	1	mounted on bulkhead as fitted to very early minis as fitted to very early minis
	GWV917	WASHER POUCH		
	GWV917X	WASHER POUCH, and motor		
	BHA4919	BRACKET, washer pouch		
	GWV918K	WASHER BOTTLE, with lid		plastic, Mk1 and Mk2
	13H232	BRACKET, washer bottle		
24	GWV951	CAP	1	
25	CZH1624	BRACKET	1	
26	GHF423	SCREW, bracket to bulkhead	2	
27	GHF1030	NUT, insert in bulkhead	2	
28	GWV935	BOTTLE & CAP	1	VIN 107478 to 396448 mounted on fliitch VIN 396449 to 504653 mounted on fliitch with direct acting servo.
29	GWV940	BOTTLE & CAP	1	
30	GWV973	CAP, washer bottle	1	
31	GWV130	WASHER PUMP, fitted in bottle	1	
32	GWV202M	TUBING	a/r	per metre
33	GWV601	VALVE, in bottle	1	
34	GWV401	T-PIECE	1	1980 on
35	GWV804	JET	2	MK3 to 1978
	GWV842	JET, black	2	1978 to 1980
	GWV829	JET, grey	2	1980 on



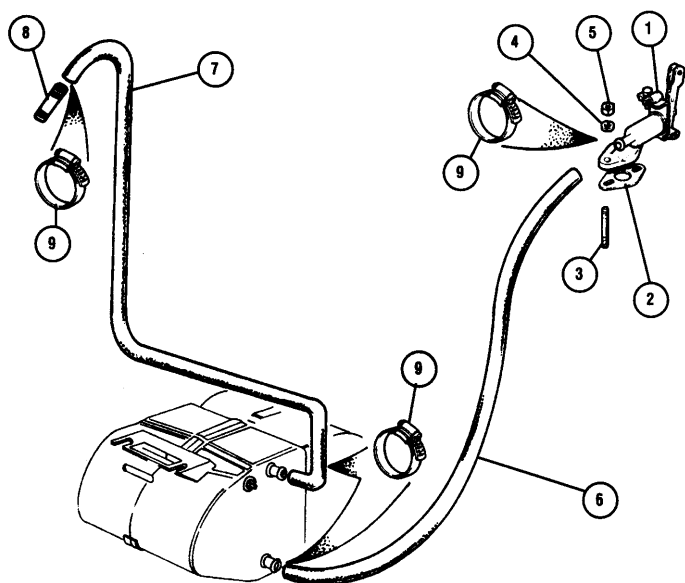
No.	Part Number	Description	Reqd.	Details
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HEATER UNIT AND DUCTING ▲

1	JGC10008	MOTOR, with fan	1	to VIN073750
1a	JGC100110	MOTOR, with fan	1	from VIN073751
1b	JEC101790	MOTOR, twin speed, with fan	1	mpi from VIN 134455
2a	37H7216	HEATER MATRIX, 0.50" bore	1	to VIN212068
2	BAU5043	HEATER MATRIX, 0.625" bore	1	from VIN212069
	JEF10005	HEATER MATRIX, 0.625" bore	1	plastic casing
3	BAU1924	CONTROL PANEL, air distribution	1	fits all
3a	JFC101620PMA	CONTROL PANEL, air distribution	1	mpi 96 on
3b	JGM100100	RESISTOR, speed controller (For twin speed heater JEC101790).	1	mpi 96 on
4	BAU1923	KNOB, air distribution control	1	
5	GHF243	NUT, heater to bulkhead	2	
6	GHF302	WASHER, plain, for above	2	
7	AB610071	SCREW, heater to parcel shelf	2	
8	WL700101	WASHER, locking	2	
9	GHF306	WASHER, plain	2	
10	GHF713	SPIRE NUT	2	
11	JKA10012	DUCT, air intake behind grille, RH	1	
12	JPC6876	SEAL, duct to flitch	1	
13	EAM7437	HOSE, duct to air box	1	
14	CZH632	CLIP, air hose to flitch	1	to VIN290002
	JCG10001	CLIP, air hose to flitch	1	from VIN290003
15	GHF200	NUT	2	
16	WE702101	WASHER, locking	2	
18	CZH1717	SEAL, hose to air box	1	to VIN336452
	JPC6876	SEAL, hose to air box	1	from VIN336543
19	CZH1951	AIR BOX, No face vents	1	
	CZH1755	AIR BOX, With face vents	1	to VIN504653
	JKQ10002	AIR BOX, With face vents	1	from VIN504654
20	WE702101	WASHER, locking	4	

No.	Part Number	Description	Reqd.	Details
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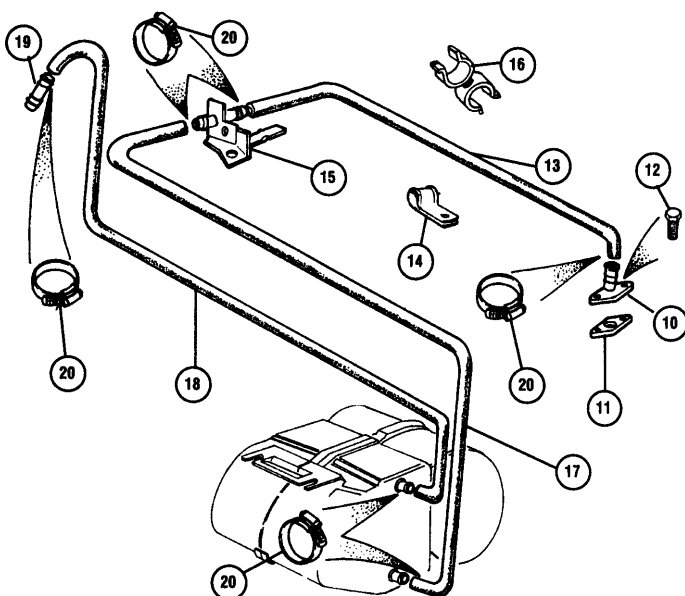
21	ANZ103	NUT	4	
22	CZH693	SEAL, air box to face vent	1	
23	CZH1717	SEAL, air box to flitch	1	to VIN336542
	JPC6877	SEAL, air box to flitch	1	from VIN336543
24	CZH700	HOSE, air box to RH face vent	1	
25	346999A	HOSE, air box to heater	1	
26	CZH1318	DUCT, air intake, LH	1	
27	GHF306	WASHER	3	
28	AB608031	SCREW, self tapping	3	air intake to front panel
29	JCG10001	CLIP, HOSE LH	1	
30	EAM7097	HOSE, nozzle to face vent, LH	1	from VIN073751 to 5740
31	CZH624	NOZZLE, screen demister	2	to VIN073750
	JKC10025	NOZZLE, screen demister	2	from VIN073751 to 5740
32	AB610051	SCREW, nozzle to dash	4	from VIN073751 to 5740
33	JKC10017	HOSE, heater to nozzle	2	to VIN073750
	JKC10024	HOSE, heater to nozzle	2	from VIN073751 to 5740
34	14A9988	CABLE, heater	1	original Bakerlite type knob
	24A2738	CABLE, heater, 29"	1	
	CHM373	CABLE, heater, 30"	1	
	JFF10003	CABLE, heater, 30"	1	from VIN369449 to VIN463230
	JFF10048	CABLE, heater, 30" (less motif)	1	from VIN463231 not TBI
	JFD10039	MOTIF, knob (for above)	1	
	JFF10051	CABLE, heater 40"	1	91 on
	JFF100910	CABLE, heater	1	mpi for remote heating valve to 89
	MCR101	CABLE, heater	1	89 on option for JFF10003
	MCR102	CABLE, heater	1	30" option for JFF10048
	MCR103	CABLE, heater	1	cable through bulkhead
35	24A1882	GROMMET	1	tap on head
36	53K1016	SCREW, cable to water valve	1	
37	24G1485	TRUNNION, cable end	1	
38	AUE34	TRUNNION, cable end	1	remote tap



No. Part Number Description Reqd. Details

HEATER HOSES - 998CC TO VIN 396448 ▲

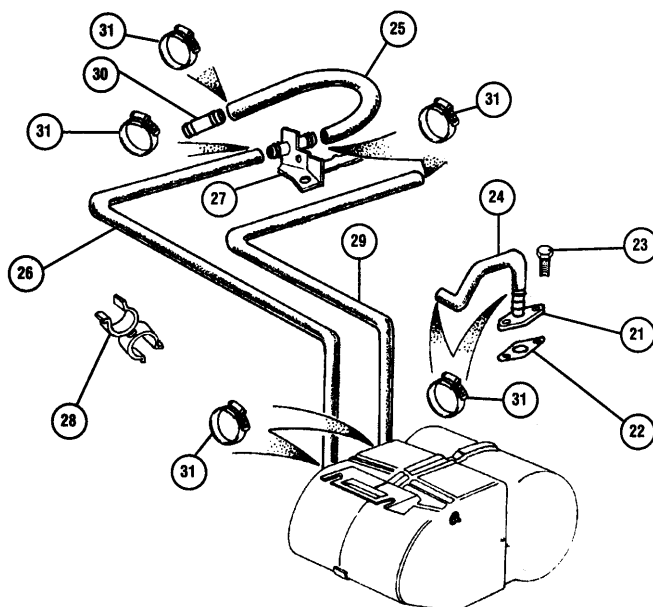
1	ADU9102	WATER VALVE, 0.50" bore	1	
2	88G221	GASKET, heater tap	1	
3	53K402	STUD, heater tap	2	
4	GHF331	WASHER, locking	2	
5	GHF200	NUT	2	
6	GRH1006M	HOSE, valve to heater (0.50" bore, cut to length RHD = 29" & LHD = 26").	1	1974-89 per metre
7	GRH906	HOSE, heater return 0.50 bore	1	per metre
	GRH906Z	HOSE, heater return 0.50 bore	1	per metre
Note: (0.50" bore) for LHD cut to 35" length				
6	BMP366	HOSE, inlet RHD & LHD (Stepped bore 0.5"/0.625", cut to length RHD = 29" & LHD = 26").	1	1984-89
7	GRH905	HOSE, heater return RHD (Stepped bore 0.5"/0.625").	1	1984-89
	BMP366	HOSE, heater return LHD (Stepped bore 0.5"/0.625").	1	1984-89
8	CAM4412	CONNECTOR,	1	heater return to bottom hose
	CAM4412Z	CONNECTOR,	1	
9	GHC507	CLIP, hose 0.500"	a/r	
	GHC709	CLIP, hose 0.625"	a/r	



HEATER HOSES - 998CC FROM VIN 396449 ON ▲

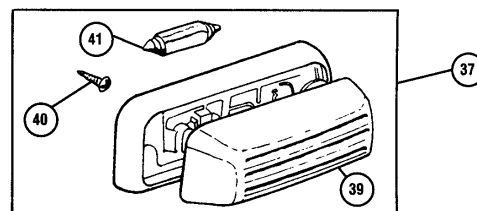
10	12G2534	WATER OUTLET, cyl head	1	
11	88G221	GASKET, water outlet to cyl head	1	

No.	Part Number	Description	Reqd.	Details
12	TAM1368	SCREW, water outlet to cyl head	2	
13	NAM8677	HOSE, outlet to water valve	1	
14	PEU10016	CLIP, heater hose to rocker cover	1	
15	JB10011	WATER VALVE, remote mounted	1	
	JB100260	WATER VALVE, remote mounted	1	mpi
16	CDU2153	CLIP, hose to hose	1	
17	JHB10002	HOSE, valve to heater In	1	998cc models to VIN504670
18	JHC10004	HOSE, heater return	1	
17	GRH1211	HOSE, valve to heater In	1	998cc models from VIN504671
18	GRH1219	HOSE, heater return	1	
19	PCP10006	CONNECTOR	1	heater return to bottom hose
20	GHC709	CLIP, hose 0.625"	a/r	



HEATER HOSES - COOPER 1300 MODELS ▲

21	12G2534	WATER OUTLET, cyl' head	1	
22	88G221	GASKET, water outlet to cyl head	1	
23	TAM1368	SCREW, water outlet to cyl' head	2	
24	PEH10021	HOSE, water outlet to manifold	1	
25	PEH10022	HOSE	1	manifold to valve & bottom hose
26	JHB10017	HOSE, heater outlet to valve	1	
27	JB10011	WATER VALVE, remote mounted	1	to VIN031529
	JB100260	WATER VALVE, remote mounted	1	
28	CDU2153	CLIP, hose to hose	1	to VIN 134454
29	JHC10004	HOSE, thermostat to heater, RHD	1	
	JHC10007	HOSE, thermostat to heater, LHD	1	to VIN504670
30	PCP10006	CONNECTOR (Heater return to bottom hose).	1	
	PCP10095	CONNECTOR (Heater return to bottom hose).	1	from VIN504671
31	GHC709	CLIP, hose 0.625"	a/r	



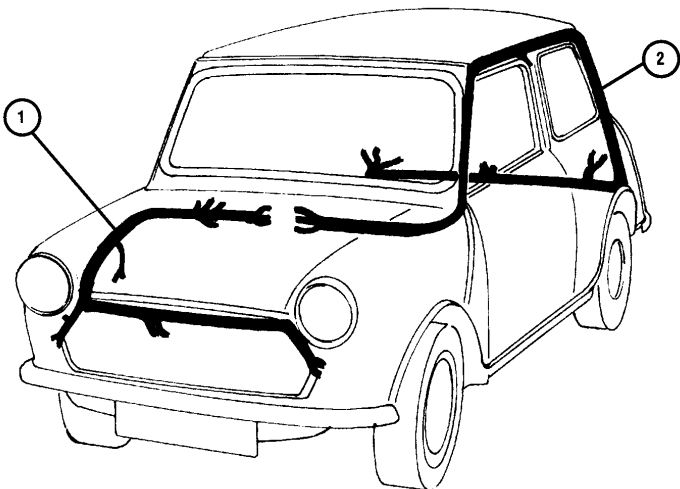
INTERIOR LAMPS ▲

37	13H8919	INTERIOR LAMP, clear plastic cover		to 1976
	EAM1650	INTERIOR LAMP, white plastic cover		from 1976 to 1985
	AFU3003	INTERIOR LAMP, in headlining		
39	37H5923	LENS, for lamp 13H8919	1	from 1985 on
	24G3389	LENS, for lamp EAM1650	1	
41	GLB254	BULB, festoon	1	
40	AB606051	SCREW, lamp retaining	2	

No.	Part Number	Description	Reqd.	Details
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FRONT WIRING LOOMS ▼

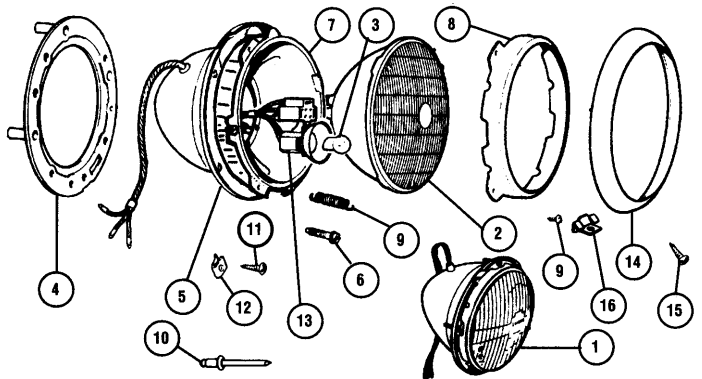
1	5L1332	MAIN & TAIL LOOM (850 Coil on bell housing, No temperature gauge).	1	1959-60
	5L518LHD	MAIN LOOM (1275 with oil filter light).	1	MK1 COOPER LHD
	5L1331	MAIN & DASH LOOM (Comm no.N20S165797A to N20S 320000A (alternator fitted)).	1	1972-75
	HAM1199	MAIN & DASH LOOM (Comm no.N20S320001A to N20S 358125. 2 column stalk switches & mechanical brake switch).	1	1976-77
	HAM1487	MAIN & DASH LOOM (Comm no. N20S358126 to N20S 363841. Reverse lamps 4 Fuse box).	1	1978
	HAM2174	MAIN & DASH LOOM (Comm no. N20S363842 to N20S 122248. Fog lamps & offset instrument binnacle).	1	1979-81
	HAM2859	MAIN & DASH LOOM (VIN122249 – 179627. No reverse lamps).	1	City E models UK only
	HAM2921	MAIN & DASH LOOM (VIN 122249 – 179658).	1	City E models not UK
	HAM3683	MAIN & DASH LOOM (VIN179628 on).	1	City E models UK only
	HAM 3682	MAIN & DASH LOOM (VIN 179659 on).	1	City E models not UK
	HAM2315	MAIN & DASH LOOM (Up to VIN 107477).	1	HL models
	HAM2705	MAIN & DASH LOOM (VIN107478 – 122248. Washer pump in bottle).	1	HL models
	HAM2861	MAIN & DASH LOOM (VIN 122249 – 179630. Tachometer included).	1	HLE, Mayfair, Sprite
	HAM3684	MAIN & DASH LOOM (VIN 179631 onwards).	1	HLE, Mayfair, Sprite
	HAM4074	MAIN & DASH LOOM (VIN253000 to VIN345417. Pre-engaged starter & repeater lamps).	1	All LHD Models
	HAM4385	MAIN & DASH LOOM (VIN 253000 to VIN 328623).	1	All RHD models
	HAM4625	MAIN & DASH LOOM (VIN 345418 – 396448. Dim & dip head lamps, large indicator lamps).	1	All LHD models
	HAM4626	MAIN & DASH LOOM (VIN 328624 to 396448. Dim & dip head lamps).	1	All RHD models
	YMC10201	MAIN & DASH LOOM (From VIN396449 to VIN426487 (approx.)).	1	All RHD models
	YMC10202	MAIN & DASH LOOM (From VIN396449 to VIN426487(approx.)).	1	All LHD models
	YMC10654	MAIN & DASH LOOM (VIN426488 (approx.) to VIN504653).	1	All RHD models
	YMC10655	MAIN & DASH LOOM (VIN426488 (approx.) to VIN 504653)	1	All LHD models
	YMC11768	MAIN & DASH LOOM (VIN 504654 on with dim/dip head lamps).	1	All manual cars
	YMC11769	MAIN & DASH LOOM (VIN 504654 on without dim/dip head lamps).	1	All manual cars
	YMC11428	MAIN & DASH LOOM	1	RHD Cooper 1300
	YMC11388	MAIN & DASH LOOM	1	RHD Cooper SE
	YMC11389	MAIN & DASH LOOM	1	LHD Cooper 1300 & SE



No.	Part Number	Description	Reqd.	Details
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REAR WIRING LOOMS ▼

2	5L875	BODY LOOM (Comm no.N20S165797A to N20S 320000A. Use with 5L1331).	1	1972-75
	HAM1301	BODY LOOM (Comm no.N20S320001A to N20S 358125. Use with HAM1199).	1	1976-77
	HAM1286	BODY LOOM (Comm no.N20S35126A to N20S 435211).	1	
	HAM1924	BODY LOOM (Comm no.N20S358126 (VIN unknown), XL25IN100001 to N20S 675453).	1	
	HAM2920	BODY LOOM (City E export to VIN 228613, City Europe & Sprite RHD VIN122249 on).	1	
	HAM2846	BODY LOOM (City Export VIN 228614 on, 1000cc & HL models XL25IN675454 on, City Europe & Sprite RHD VIN 140358 - 252999, Mayfair UK VIN 100720 - 147143).	1	
	HAM 3065	BODY LOOM (VIN 147144 - 252999).	1	Mayfair UK
	HAM3835	BODY LOOM (VIN 25300 – 441904).	1	City E UK & Ritz LHD
	HAM3834	BODY LOOM	1	Mayfair & Ritz RHD
	YMD10258	BODY LOOM (VIN 441905).	1	All RHD models
	HAM3836	BODY LOOM (to VIN 442929).	1	All LHD models
	YMD10259	BODY LOOM (VIN 442930 on).	1	
	YMD10502	BODY LOOM (to VIN057167).	1	Sprite, Mayfair, Cooper
	YMD10744	BODY LOOM (to VIN057168).	1	Sprite, Mayfair, Cooper



HEADLAMPS AND FITTINGS ▲

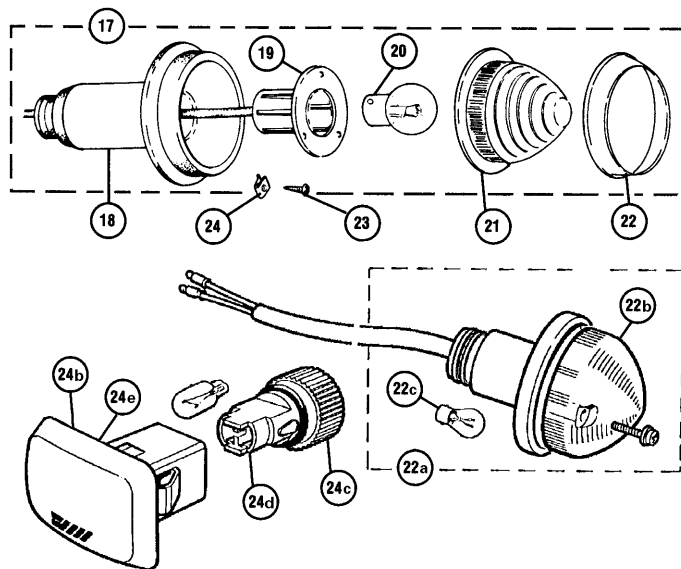
1	13H7922	HEADLAMP, sealed beam	2	RHD Lucas
	BHM7198	HEADLAMP, sealed beam	2	RHD Wipac
	GAC4023	HEADLAMP KIT, bulb type	1	RHD
	GAC4023Z	HEADLAMP KIT, bulb type	1	RHD Wipac
	GAC4600	HEADLAMP KIT, bulb type	1	RHD crystal halogen, not road legal. No dip pattern.
	GAC4615	HEADLAMP KIT, bulb type	1	RHD crystal halogen, not road legal. No dip pattern.
	XBC103220	HEADLAMP, levelling type	1	inc: headlamp, level motor chrome ring & wire harness
	XBC105230	HEADLAMP, levelling type	1	LHD inc: headlamp, level motor & wiring harness
	BAU1177A	HEADLAMP, bulb type	2	LHD
	WPS4699	HEADLAMP KIT, bulb type	1	LHD Wipac

Note: BAU1177A is supplied with white bulbs, GLB411 should be purchased for French spec. cars.

2	13H3471A	SEALED BEAM UNIT	2	RHD
	27H5981A	LENS UNIT	2	
	GLB410	BULB, headlamp, white	2	France only
	GLB411	BULB, headlamp, yellow	2	
3	GLB233	BULB, side lamp, bayonet	2	
	GLB6501	BULB, side lamp, capless	2	RHD
4	009403	SEAL, bucket to body	2	
5	SML3	BUCKET, headlamp, metal	2	
	SML3P	BUCKET, headlamp, plastic	2	
6	BHM7058	ADJUSTER KIT	2	Lucas type
7	27H6481	MOUNTING RING, inner, plastic	2	
	SML4	MOUNTING RING, inner, metal	2	

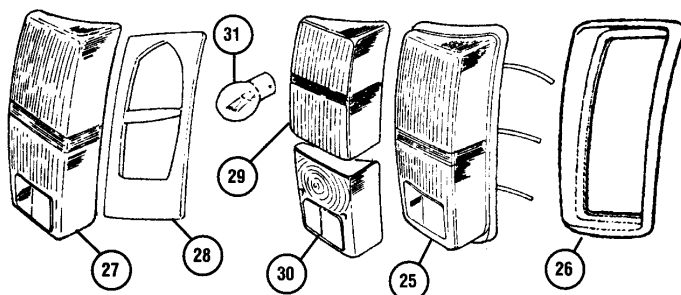
No.	Part Number	Description	Reqd.	Details
8	515218A	RIM, retaining	2	
9	AB606021	SCREW	6	
10	ADU4278	RIVET, lamp to wing	6	
11	GHF426	SCREW	8	alternatives
12	GHF713	SPIRE CLIP	8	
13	BAU2111	ADAPTOR, headlamp wire	2	RHD
	BAU2111X	ADAPTOR, headlamp wire	2	LHD
14	500929	RIM	2	
15	RTC465	SCREW, headlamp rim	2	
16	37H7421A	CLIP, headlamp rim	2	

Note: Halogen replacement headlight kits are available, see accessories.



FRONT INDICATOR AND SIDE REPEATER LAMPS ▲

17	CHM13	LAMP, indicator (plastic amber lens)	2	to 1986
	2A9013	LAMP, indicator (glass amber lens)	2	alternatives
18	508162	SEAL, rubber	2	
19	37H5528	HOLDER, bulb	2	
20	GLB382	BULB, single filament	2	
21	37H8130	LENS, amber plastic	2	alternatives
	37H5520	LENS, amber glass	2	
22	7H5182	RIM, lens retaining	2	
22a	AFU3389	LAMP, indicator (screw on lens)	2	
22b	CDU3374	LENS, amber, screw fixing	2	1987 on
	CDU3374W	LENS, white, screw fixing	2	
22c	GLB382	BULB, single filament	2	
	GLB343	BULB, amber, single filament	2	
(Required when fitting clear indicator lens).				
23	GHF421	SCREW, lamp to body	6	
24	AK606021	SPIRE CLIP, on body	6	
24a	AAU3296A	REPEATER LAMP	2	
24b	AHU2592	REPEATER LENS	2	
	AHU2592W	REPEATER LENS, white	2	
24c	DCP8004	HOLDER, bulb	2	1986 on
24d	AFU3112	SEAL, bulb holder	2	
24e	GLB501	BULB	2	
	GLB501X	BULB, amber	2	
(Required when fitting clear indicator lens).				



No.	Part Number	Description	Reqd.	Details
REAR LAMP ASSEMBLIES ▼				
MkI				
	BHA4228	REAR LAMP, RH	1	amber lens
	BHA4229	REAR LAMP, LH	1	
	47H5363	STOP/TAIL LENS, RH	1	
	47H5358	STOP/TAIL LENS, LH	1	
	47H5362	FLASHER LENS, RH	1	amber
	47H5355	FLASHER LENS, LH	1	amber
31	GLB380	BULB, stop/tail, dual filament	2	
	GLB382	BULB, flasher, single filament	2	
	37H5459	SOCKET, double contact	2	
	37H5452	SOCKET, single contact	2	
	47H5360	PAD	2	
	57H5401	BASE, RH	1	
	57H5400	BASE, LH	1	
	57H5399	PAD	2	
	47H5356K	LENS SCREW SET	2	
	47H5359	SCREW, stop/rear light lens	2	
	47H5356	SCREW, long, flasher lens	2	
	47H5356	SCREW, short, flasher lens	2	

MkII On

25	13H6479	REAR LAMP, RH	1	without
	13H6480	REAR LAMP, LH	1	reverse light
26	37H2690	SEAL, RH lamp to body	1	use only with lamps
	37H2689	SEAL, LH lamp to body	1	13H6479 & 13H6480
	ADU2478	REAR LAMP, RH	1	reverse lamps with
	ADU2479	REAR LAMP, LH	1	1 piece lens
	ADU2474	REAR LAMP, RH	1	reverse lamps with
	ADU2475	REAR LAMP, LH	1	2 piece lens
27	37H4837	LENS, RH, no reverse lights	1	for lamp 13H6479
	37H4837Z	LENS, RH, no reverse lights	1	for lamp 13H6479
	37H4838	LENS, LH, no reverse lights	1	for lamp 13H6479
	37H4838Z	LENS, LH, no reverse lights	1	for lamp 13H6479
28	37H6778	GASKET, lens to lamp	2	for use with above only
29	XFJ10026	LENS, RH, stop/tail & flasher	1	use with lamp ADU2474
	XFJ10027	LENS, LH, stop/tail & flasher	1	use with lamp ADU2475
	GAC4617	LENS KIT, L/H and R/H	1	clear lens kit replace stop/tail and flasher lens
	GAC8496X	LENS KIT, L/H & R/H	1	clear lens kit
	GAC8497X	BULB KIT, L/H & R/H	1	for clear lens kit
	GAC8497XRED	BULB, twin filament	2	red stop & tail light bulb for clear lens kit
	GLB343	BULB, amber, single filament	2	required when fitting clear indicator lens
30	XFJ10028	LENS, RH, reverse lamp	1	use with lamp ADU2474
	XFJ10029	LENS, LH, reverse lamp	1	use with lamp ADU2475
	AAU4946	LENS, RH, with reverse	1	for ADU2478
	AAU4947	LENS, LH, with reverse	1	for ADU2479
31	GLB380	BULB, stop & tail	2	
	GLB382	BULB, indicator & reverse lights	2/4	
	37H4963	LENS, stop/ tail	2	mini van
	37H4964	LENS, indicator	2	mini van NCA

REAR FOG LAMPS

	XFE10006	FOG LAMP, rear, with bracket	1	RHD
	XFE10007	FOG LAMP, rear, with bracket	1	LHD
	GLB382	BULB	1	
	SE604051	SCREW, bracket to body	2	
	GHF331	WASHER, locking	2	
	GAC4612	BRACKET, stainless steel	1	
	GAC9400X	BRACKET	1	relocates fog lamp when fitting bumper/override kit
	GAC4608	FOGLAMP, stainless steel	1	
	GAC4609	REVERSE LAMP, chrome	1	

DRIVING LAMPS

	GAC4601	SPOTLAMPS, pair	1	angel eye, chrome body
	GAC4602	FOGLAMPS, pair	1	angel eye, chrome body
	GAC4610	SPOTLAMPS, pair	1	std pattern, chrome body
	GAC4611	FOGLAMPS, pair	1	std pattern, chrome body
	XBU10044	BRACKET, spot lamp	2	
	GAC4612	BRACKET, pair, spot lamp	1/2	stainless steel
	GAC4616	LAMP BAR KIT, stainless steel	1	original works type

BODYSHELLS
Brand New British Motor Heritage BodysHELLs

Tired old classics need not be lost forever. If you have the determination to save one then we have the bodysHELLs, parts, accessories and the schemes to help lighten the financial load. It's never been easier to rebuild, re-shell or restore. If your car needs a full bodywork rebuild then why not consider a new shell? The cost is less than you may think especially if you are paying labour charges to fit individual body panels. Take a long hard look at your project without rose-tinted specs and decide if a new shell is a viable alternative. Determine fully the extent of repairs needed before you buy any parts.

Advances in paint technology and better build quality should ensure your new British Motor Heritage bodysHELLs last considerably longer than the originals, because they are electrophoretically plated and seam sealed before being primed, using the latest water based paints for more effective top coating. The electrophoretic process creates superb adhesion between the primer and bare metal and is of the current high standard used by the majority of car manufacturers. The doors, boot lid and bonnet are fitted.

When you buy a bodysHELL from us, you automatically qualify for our Rebuild Programme, allowing you to save 10% on ALL future purchases during the course of your rebuild.*

Clubman BodysHELL

Launched in late 1969 the Clubman range saloon, estate and 1275GT was part of the Mini facelift program. This program standardised winding windows and internal door hinges on all UK-built Minis except the light commercials. Although rejected by some Mini Purists, its range made a considerable contribution to the Minis sales figures selling some 626,312 units across it range. The Heritage Clubman Body Shell currently available is a direct replacement for Clubman saloons and 1275GT models with rubber mounted subframes, from 1976 - 1980. It can be used for 1972 - 1976 models provided that they are converted to rubber mounted subframes. An alternative Clubman Body Shell is planned which will accept solid mounted subframes. 1969 - 1972 models had a different gear shift mechanism and other differences that would require modifications to the body shell.

CZH594	BODYSHELL	1
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MkIV BodysHELLs

Fits Mk4 models (1976 to 1989 saloons) with rod change gearbox and rubber mounted sub-frame. Fits Mk3 models (1972 on) with rod change gearbox. Customer required to change the solid mounted sub-frame for the rubber mounted version. 'E' coated, sealed and primed using industry standard water based paints. Fully fitted with skin and floor sound deadening pads. Genuine Mk4 bonnet assembly. Round headlamp apertures. Front wings without repeater lamp apertures. Engine bay caters for side mounted radiator, correct slatted inner wing and Mk4 grille panel. Dashboard bulkhead panel includes large 'rotodip' aperture, improving access to the centre binnacle. Original roof panel without aerial holes. Front seat belt mountings attached in pre-1977 positions. Rear seat belt mountings retained. Side impact bars included in doors. Current specification brackets for airbag sensor, alarm and boot mounted washer bottle NOT included. BodysHELLs are supplied complete, with doors, bonnet & boot lid.

BMP343	BODYSHELL	1
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MkV BodysHELLs

These bodysHELLs from British Motor Heritage (built on the original Longbridge line) are for models from 1989 onwards, they are available as either Standard or Sports-Pack specification. All bodies are coated, sealed and primed using the current MG Rover process. Current specification brackets for airbag sensor, alarm and boot mounted washer bottle NOT included. Both types of bodysHELL are supplied complete, with doors, bonnet & boot lid.

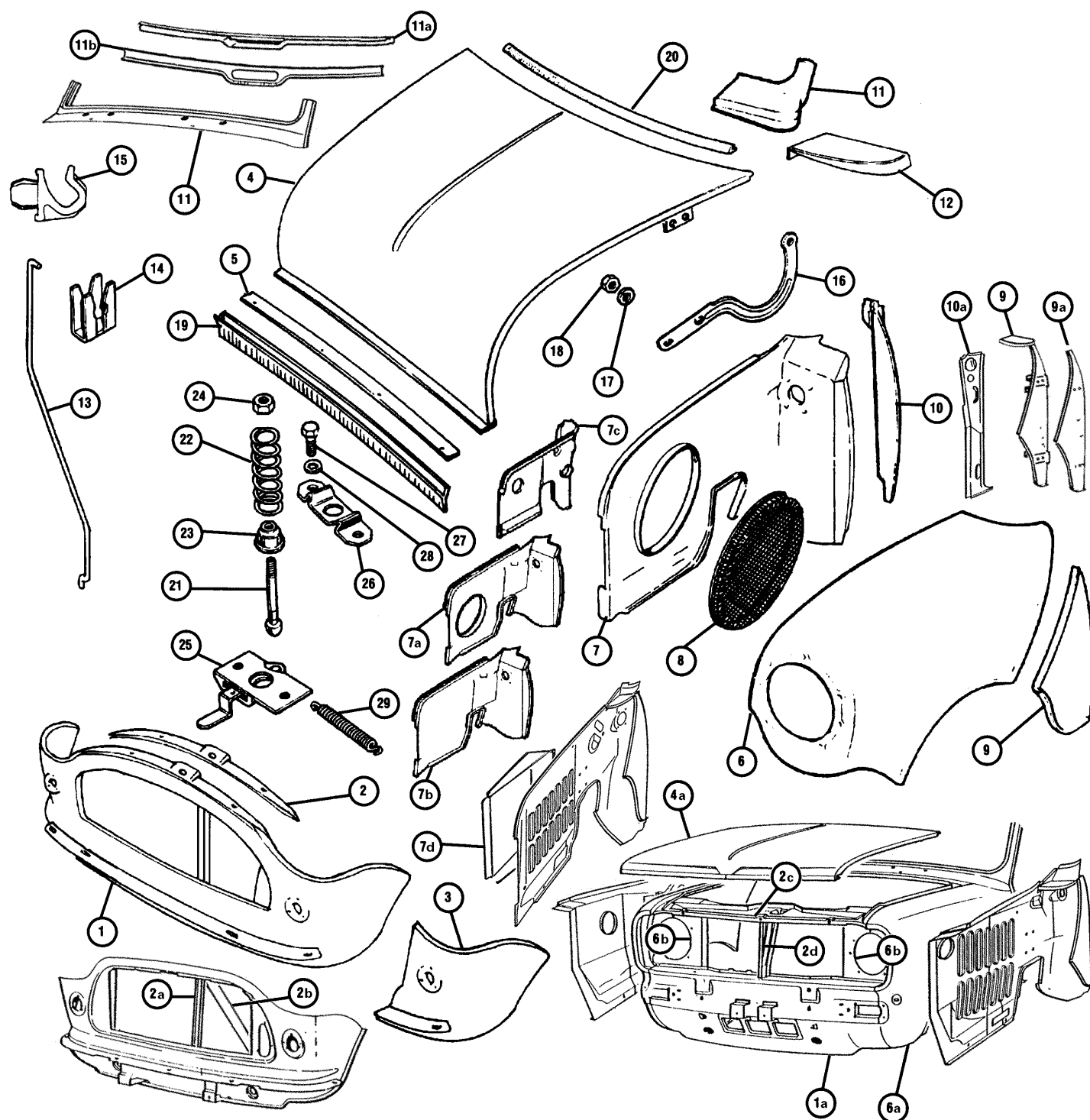
AAA360200	BODYSHELL, Standard	1
AAA360210	BODYSHELL, Sports-Pack	1

FRONT BODY PANELS ▶

1	14A8308	FRONT PANEL	1	1964 - 75
	MBP9026	FRONT PANEL	1	to 1976
	ALA8619	FRONT PANEL	1	1976 - 89
	ALA8619Z	FRONT PANEL	1	1976 - 89
	ASJ36002	FRONT PANEL	1	1990 - 96
	ASJ360070	FRONT PANEL	1	1996 on
1a	CZH563	FRONT PANEL, lower (Solid mount front subframe).	1	Clubman 1970 - 76
	AAM1022	FRONT PANEL, lower	1	Clubman 1976 - 83
	AAM1022Z	FRONT PANEL, lower	1	Clubman 1976 - 83
	BMP103	BUMPER MOUNTING RAIL	1	

No.	Part Number	Description	Reqd.	Details
2	CZH3059	SLAM PANEL, replacement	1	
2a	ALA4583	SLAM PANEL SUPPORT	1	vertical
2b	24A1918	SLAM PANEL SUPPORT (Allows room for oil cooler).	1	diagonal
2c	CZH149	SLAM PANEL	1	Clubman
2d	CZH155	SLAM PANEL SUPPORT	1	Clubman
3	MBP9001	REPAIR PANEL, lower front panel	1	RH
	MBP9002	REPAIR PANEL, lower front panel	1	LH
4	24A1182	BONNET	1	1959 - 67
	ALA8430	BONNET	1	1972 - 83 van & pick up
	ALA7455	BONNET	1	1967 - 69
	CZH455	BONNET	1	1970 - 96
	CZH455Z	BONNET	1	1970 - 96
	CZH455D	BONNET, damaged	1	1970 - 96
	BKA360070	BONNET	1	1997 on
	BKA360110	BONNET	1	1997
4a	CZH2609	BONNET	1	Clubman
5	ALA6664	BRACKET, bonnet moulding	1	
6	14A7240	WING, RH	1	to 1986
	14A7241	WING, LH	1	to 1986
	14A6476	WING, RH	1	no repeater hole
	14A6476Z	WING, RH	1	
	14A6477	WING, LH	1	
	14A6477Z	WING, LH	1	
	BMP454	WING, RH	1	1986 on with repeater hole
	BMP454Z	WING, RH	1	
	BMP455	WING, LH	1	
	BMP455Z	WING, LH	1	
	ASB360010	WING, LH	1	no aerial hole with repeater hole
	HMP441024	WING, RH	1	
	HMP441025	WING, RH	1	with repeater hole
			1	with aerial hole & repeater hole
	14A6693	HEADLAMP RING	2	
6a	CZH408	WING, RH	1	Clubman
	CZH408Z	WING, RH	1	Clubman
	CZH409	WING, LH	1	Clubman
	CZH409Z	WING, LH	1	Clubman
6b	CZH120	HEADLAMP PANEL, RH	1	Clubman
	CZH120Z	HEADLAMP PANEL, RH	1	Clubman
	CZH121	HEADLAMP PANEL, LH	1	Clubman
	CZH121Z	HEADLAMP PANEL, LH	1	Clubman
7	ALA6279	INNER WING, LH	1	76 - 89
7a	ABD36007	INNER WING, LH	1	latest specification
7b	ABD360190	INNER WING, LH	1	MPI front radiator therefore no grill or fan hole
			1	
7c	ABD36006	INNER WING, RH	1	latest specification
7d	14A6498	COWL, radiator	1	
	2H7274	BUFFER	2	inner wing
8	PUB10001	STONE GUARD	1	fan aperture
Note: the current flitch panel supplied by Rover is to the latest specification, it has a large circular hole to accommodate the electric cooling fan. If fitting the flitch to an earlier car with fluted cooling holes the stoneguard (PUB10001) must be fitted to protect the radiator.				
9	14A8346	A PANEL INNER, RH	1	1959 - 69
	14A8346Z	A PANEL INNER, RH	1	1959 - 69
	14A8347	A PANEL INNER, LH	1	1959 - 69
	14A8347Z	A PANEL INNER, LH	1	1959 - 69
9a	14A6901	A PANEL OUTER, RH	1	1959 - 69
	14A6901Z	A PANEL OUTER, RH	1	1959 - 69
	14A6902	A PANEL OUTER, LH	1	1959 - 69
	14A6902Z	A PANEL OUTER, LH	1	1959 - 69
9c	ALA5660	A PANEL, RH	1	1970 on
	ALA5660Z	A PANEL, RH	1	1970 on
	ALA5661	A PANEL, LH	1	1970 on
	ALA5661Z	A PANEL, LH	1	1970 on
10	ALA6472	A POST, inner panel, RH	1	
	MBP9003	A POST, inner panel, RH (repro)	1	
	ALA6473	A POST, inner panel, LH	1	
	MBP9004	A POST, inner panel, LH (repro)	1	
10a	ALA5686	BOXING PANEL	1	
	ALA5687	BOXING PANEL	1	
11	HMP441001	REPAIR PANEL	1	windscreen lower panel
	MBP9005	REPAIR PANEL, RH	1	windscreen lower corner
	MBP9006	REPAIR PANEL, LH	1	windscreen lower corner
11a	14A6675	DASH RAIL, top	1	
11b	BMP201	DASH RAIL, bottom	1	

*Rebuild Programme excludes bodysHELLs, body panels, superchargers, wheels, engines, gearboxes, MX-5, MGF and new Mini product. Offer not to be used in conjunction with any other offer.

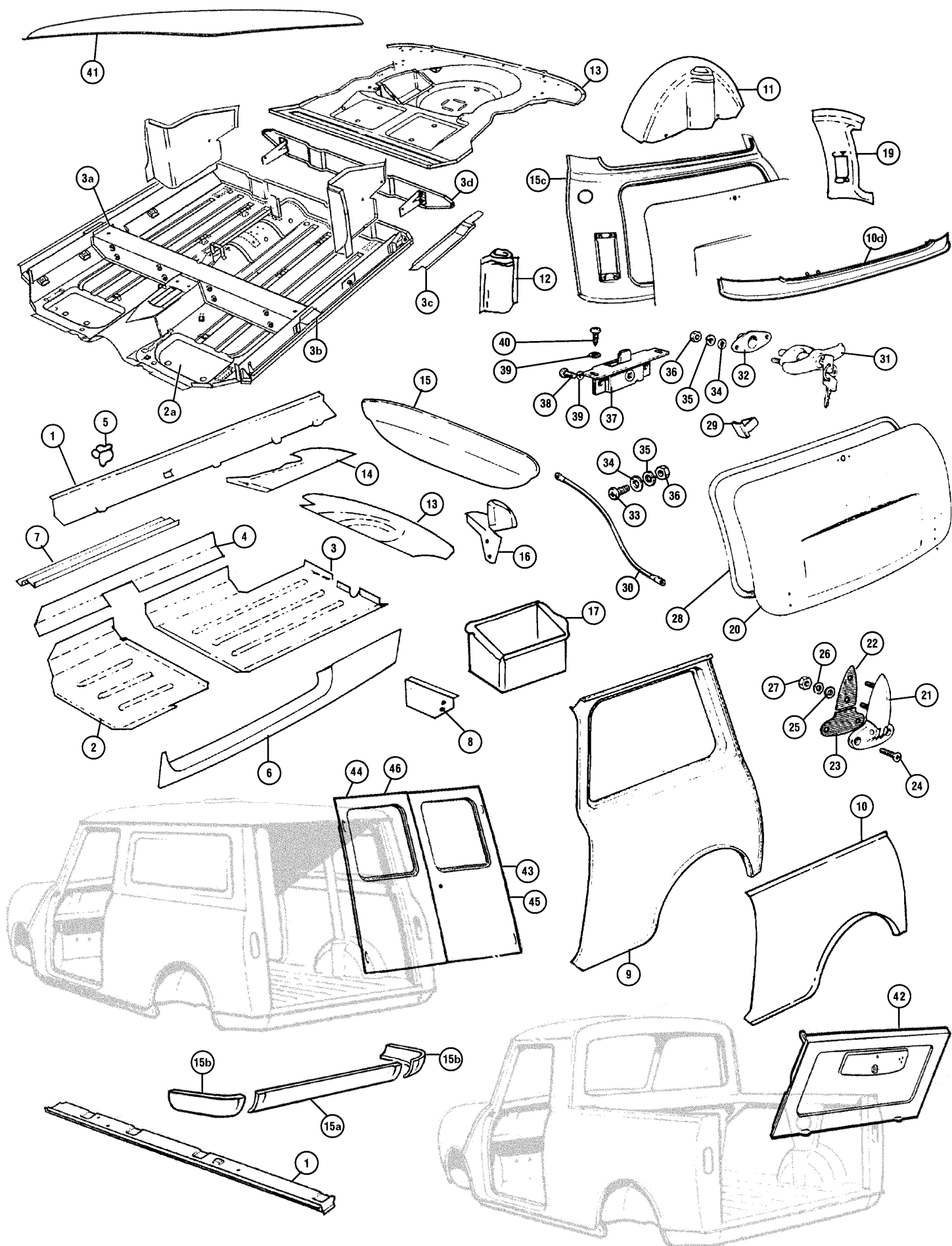


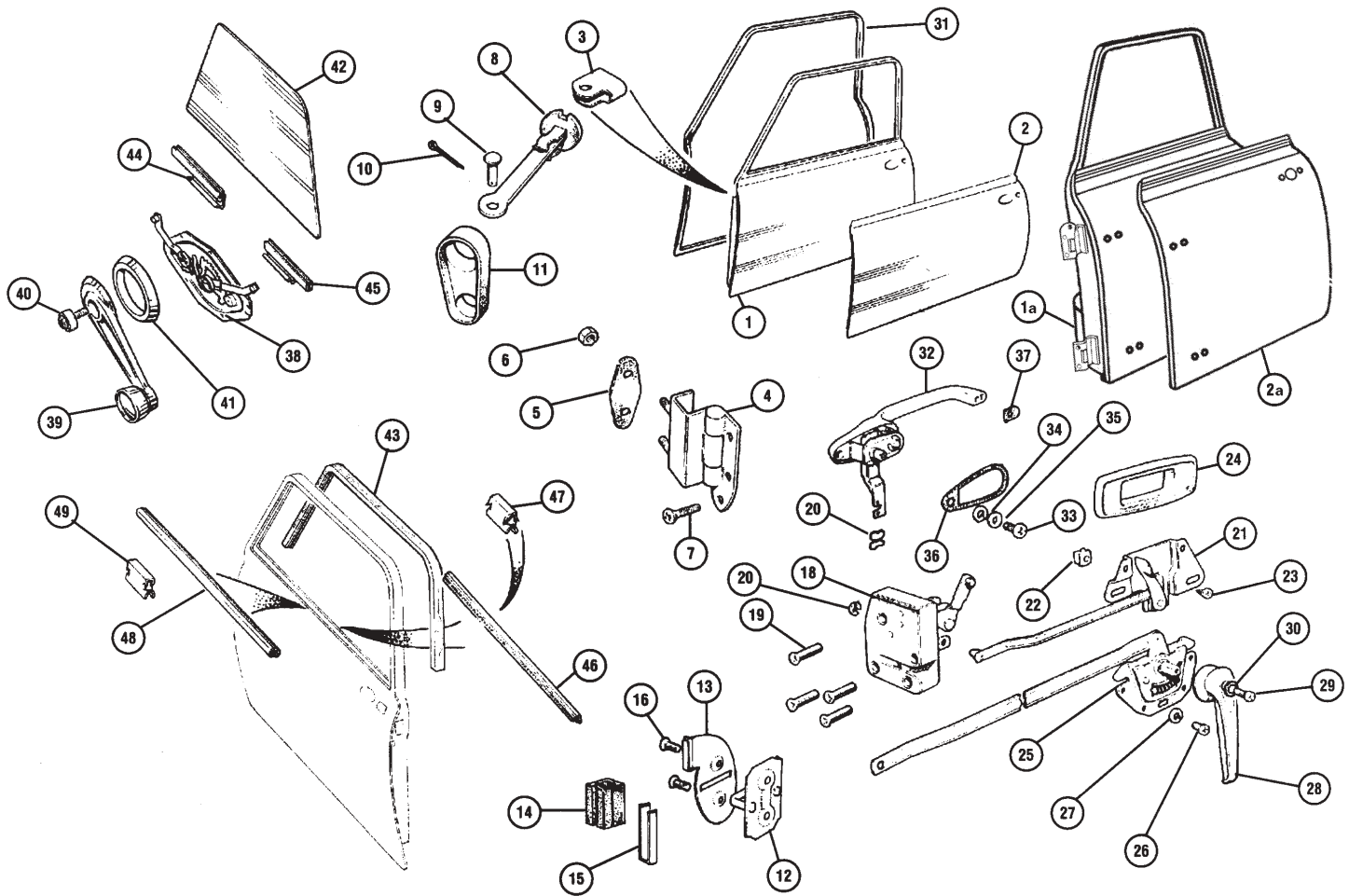
No.	Part Number	Description	Reqd.	Details
12	14A8348	GUSSET PANEL, RH	1	top of A post
	14A8349	GUSSET PANEL, LH	1	top of A post
	MBP9007	REPAIR PANEL, closing, RH	1	flitch to scuttle
	MBP9008	REPAIR PANEL, closing, LH	1	
13	BKD360030	STAY, bonnet	1	
14	24A859	CLIP, stay to bonnet (metal)	1	
15	GFK7344	CLIP, stay retaining (plastic)	1	alternatives
	CZH209	CLIP, stay retaining (metal)	1	
16	BMP348	HINGE, bonnet, RH	1	
	BMP349	HINGE, bonnet, LH	1	
	MSSK019	HINGE KIT, quick release	1	
17	PWZ204	WASHER	4	
18	GHF200	NUT	4	
19	JRC7898	SEAL, bonnet, front	1	
20	14A9010	SEAL, bonnet, rear sponge	1	to 1991

No.	Part Number	Description	Reqd.	Details
	JRC7008	SEAL, bonnet, rear	1	
21	14A6586	PIN, bonnet	1	
22	FPQ10001	SPRING	1	
23	ADA458	SPRING CUP	1	
24	ND606041	LOCK NUT	1	
25	AAM1206	CATCH	1	
26	AAM1223	GUIDE	1	
27	SH604051	SCREW, catch & guide to body	2	
28	GHF331	WASHER, locking	2	
29	4G2494	SPRING, catch return	1	
	ALA7608	HOOK	1	
	MCR108	CABLE, bonnet release	1	
	GAC8425X	BONNET RELEASE KIT	1	
	MRAC202	BRACE BARS, pair	1	
(Required when removing front end to replace with fibre glass front).				

No.	Part Number	Description	Reqd.	Details
SIDE AND REAR BODY PANELS ▶				
1	14A9534	SILL PANEL, outer, RH	1	standard replacement
	14A9534Z	SILL PANEL, outer, RH	1	
	14A9535	SILL PANEL, outer, LH	1	
	14A9535Z	SILL PANEL, outer, LH	1	
	BHM3	SILL PANEL, outer repair, RH	1	6" wide
	BHM4	SILL PANEL, outer repair, LH	1	
1a	14A9026	SILL PANEL, outer repair, RH	1	mini van, estate & pick up stainless steel
	14A9026Z	SILL PANEL, outer repair, RH	1	
	14A9027	SILL PANEL, outer repair, LH	1	
	14A9027Z	SILL PANEL, outer repair, LH	1	
2	BHM9	FLOOR PANEL, front, RH	1	
	BHM9Z	FLOOR PANEL, front, RH	1	
	BHM10	FLOOR PANEL, front, LH	1	
	BHM10Z	FLOOR PANEL, front, LH	1	
2a	HMP441004	FLOOR PANEL, RH	1	front to rear includes sill
	HMP441005	FLOOR PANEL, LH	1	
	CZH2669	FLOOR PANEL, both sides	1	complete inc: inner sills
3	BHM11	FLOOR PANEL, rear, RH	1	
	BHM11Z	FLOOR PANEL, rear, RH	1	
	BHM12	FLOOR PANEL, rear, LH	1	
	BHM12Z	FLOOR PANEL, rear, LH	1	
3a	CZH2675	CROSSMEMBER	1	1970 on
	CZH2675L	CROSSMEMBER, RH half side	1	
	CZH2675R	CROSSMEMBER, LH half side	1	
3b	14A8374	CROSSMEMBER EXTENSION, RH	1	between inner & outer sill
	14A8375	CROSSMEMBER EXTENSION, LH	1	
3c	14A8994	POCKET BASE, RH	1	rear pocket base
	14A8995	POCKET BASE, LH	1	
	HMP441008	HEELBOARD	1	
3d	HMP441007	HEELBOARD HALF, LH	1	
	HMP441006	HEELBOARD HALF, RH	1	
4	MBP9023	REPAIR PANEL, floor edge, RH	1	
	MBP9024	REPAIR PANEL, floor edge, LH	1	
	24A2186	PLATE, seatbelt mount	2	
5	14A8336	BRACKET, jacking point, RH	1	
	14A8337	BRACKET, jacking point, LH	1	
6	MBP9015	REPAIR PANEL, RH	1	door step/rear wing
	MBP9016	REPAIR PANEL, LH	1	
7	BHM13	DOORSTEP PANEL, repair	2	rear sub frame front mount
8	MBP9017	REPAIR PANEL, RH	1	
	MBP9018	REPAIR PANEL, LH	1	
9	ALA5666	SIDE PANEL, RH	1	
	ALA5667	SIDE PANEL, LH	1	
10	HMP441014	REAR QUARTER PANEL, RH	1	lower section below window line
	HMP441015	REAR QUARTER PANEL, LH	1	
	MBP9019	REPAIR PANEL, lower rear, RH	1	
	MBP9020	REPAIR PANEL, lower rear, LH	1	
11	HMP441010	REPAIR PANEL, RH	1	turret section of inner arch
	14A9558	REPAIR PANEL, RH	1	outer section of wheel arch
	MBP9021	REPAIR PANEL, RH	1	inner rear wheel arch
	HMP441010	REPAIR PANEL, RH	1	turret section of inner arch
	14A9559	REPAIR PANEL, LH	1	outer section of wheel arch
	MBP9022	REPAIR PANEL, LH	1	inner rear wheel arch
	14A6617	REPAIR PANEL, RH, outer section	1	inner rear
	14A6618	REPAIR PANEL, LH, outer section	1	wheel arch
12	MBP9009	REPAIR PANEL	2	shock absorber turret
13	HMP441016	BOOT FLOOR	1	complete inc: battery box
	MBP9010	REPAIR PANEL, boot floor edge	1	
14	MBP9011	REPAIR PANEL, RH, boot floor corner	1	
	MBP9012	REPAIR PANEL, LH, boot floor corner	1	
	14A5497	REAR VALANCE	1	
15	CZH3353	REAR VALANCE	1	1959 - 69
15a	14A8154	REAR VALANCE, centre	1	mini van, estate & pick up
	14A8154Z	REAR VALANCE, centre	1	
15b	14A6908	VALANCE CORNER, RH	1	
	14A6908Z	VALANCE CORNER, RH	1	
	14A6909	VALANCE CORNER, LH	1	mini van & estate
	14A6909Z	VALANCE CORNER, LH	1	
	14A7552Z	NUMBER PLATE HOLDER	1	
	14A7552SS	NUMBER PLATE HOLDER	1	
15c	HMP441019	REAR PANEL	1	retro fit mk1 lamps into mk2/3 body
	GAC8452X	LAMP PANEL KIT	1	
10d	HMP441009	BOOT HINGE PANEL	1	includes rear subframe rear mounting bracket
16	ALA5528	CLOSING PANEL, RH	1	
	ALA8623	CLOSING PANEL, LH	1	

No.	Part Number	Description	Reqd.	Details
	ALA5524	CLOSING PANEL, RH	1	
	ALA5525	CLOSING PANEL, LH	1	
	ALA5532	BRACKET, RH bump stop	1	
	ALA5533	BRACKET, RH bump stop	1	
	MBP9013	REPAIR PANEL, RH	1	
	MBP9014	REPAIR PANEL, LH	1	
	14A6609	BRACKET, RH	1	repair panel for rear of rear subframe mount
	14A6610	BRACKET, LH	1	
	14A6611	CLOSING PANEL, RH	1	
	14A6612	CLOSING PANEL, LH	1	front of rear wheel arch
17	14A6499	BATTERY BOX	1	inc: 14A7776 cover strap
	14A6499Z	BATTERY BOX	1	
	14A6499K	BATTERY BOX	1	
	CZH3058	HINGE PANEL, boot	1	
19	CZH3060	LAMP PANEL, rear, RH	1	
	CZH3061	LAMP PANEL, rear, LH	1	
20	28G110	BOOT LID	1	early mk 1 cross braced
	8G9270	BOOT LID	1	mk 1 + 2 double skinned
		(To act as luggage carrier).		
	14A6466	HINGE, RH number plate	1	early swinging plate hinge
		(Allows number plate to be read when boot is open).		
	14A6467	HINGE, LH number plate	1	early swinging plate hinge
		(Allows number plate to be read when boot is open).		
	GAC8438X	MOUNTING KIT, number plate mk1	1	1959 - 69 saloons
	14A6468	NUMBER PLATE HOLDER	1	
	14A7625	BUFFER	2	1970 - 89
	BMP339	BOOT LID	1	
	BMD36001	BOOT LID	1	1990 on genuine Rover
	BLL1000X	LINER PANEL, boot lid	1	chrome plated boot hinges
21	BMB360040	HINGE, RH	1	
	BMB360050	HINGE, LH	1	
	MT8101	HINGES, pair	1	
22	BMP401	GASKET, upper hinge	1	
23	BMP402	GASKET, lower hinge	1	
24	SG604051	SCREW	4	
25	GHF300	WASHER	4	
26	GHF331	WASHER, locking	4	
27	GHF200	NUT	4	to VIN 398599
28	14A6584	SEAL, boot lid (fitted to boot lid)	1	
	CKE10018	SEAL, boot lid (fitted to body)	1	from VIN 398600
29	14A6585	CLIP, seal to boot lid	a/r	use with seal 14A6584
30	14A6740	CABLE, boot lid check strap	2	
	MCR107	CABLE, boot lid check strap	2	
31	JRC2844	HANDLE, boot lid (Chrome)	1	to 1980
	JRC2843	HANDLE, boot lid (Black)	1	1980 to 1984
	JRC8182	HANDLE, boot lid (Nimbus)	1	1984 on
32	CZH1747	SEAL, handle to boot	1	
33	SE910281	SCREW, cable to body	2	
	SE910161	SCREW, cable to boot lid	2	
34	PWZ203	WASHER, plain	6	
35	WL700101	WASHER, locking	6	
36	GHF206	NUT	6	
37	14A5996	LATCH, boot Lock	1	
38	PMZ307	SCREW, latch to boot lid	2	
39	WF702101	WASHER, locking	a/r	
40	GHF425	SCREW, self tapping	2	
41	14A5503	ROOF PANEL	1	mini pick up
42	CZH3293	TAIL GATE	1	
43	14A8096	DOOR REAR, RH	1	mini van & estate
44	14A8097	DOOR REAR, LH	1	
45	14A6903	DOOR SKIN, RH rear	1	
46	14A6904	DOOR SKIN, LH rear	1	





No.	Part Number	Description	Reqd.	Details
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DOORS, DOOR GLASS AND FITTINGS ▲

	14A8306	DOOR, RH	1	1959 - 69 external hinge
	BMP326	DOOR, RH	1	less hinges
	BDA360100	DOOR, RH	1	90 on with hinge & door bar
1a	14A8307	DOOR, LH	1	1959 - 69 external hinge
1	BMP327	DOOR, LH	1	less hinges
	BDA360110	DOOR, LH	1	90 on with hinge & door bar
	14A5498	DOOR SKIN, RH	1	1959 - 69 external hinge
	14A5498Z	DOOR SKIN, RH	1	
	14A5498A	DOOR SKIN, alloy RH	1	
2a	14A5499	DOOR SKIN, LH	1	1959 - 69 external hinge
	14A5499Z	DOOR SKIN, LH	1	
	14A5499A	DOOR SKIN, alloy LH	1	
	CZH3300	DOOR SKIN, RH	1	with mirror rivnuts fitted
	CZH3300A	DOOR SKIN, RH	1	
	CZH3300Z	DOOR SKIN, RH	1	
	CZH3300AL	DOOR SKIN, alloy RH	1	with mirror rivnuts fitted
2	CZH3301	DOOR SKIN, LH	1	
	CZH3301A	DOOR SKIN, LH	1	
	CZH3301Z	DOOR SKIN, LH	1	
	CZH3301AL	DOOR SKIN, alloy LH	1	
3	CZH3121	BRACKET, check arm	2	
4	14A6818KA	HINGES SET	1	1959 - 69 external hinge
	BMP134	GASKET, large	4	1959 - 69
	BMP135	GASKET, small	4	1959 - 69
	37H3043	BUSH, hinge repair	4	
	37H3044	PIN, hinge repair	4	
	CZH202	HINGE, upper, RH	1	
	CZH203	HINGE, upper, LH	1	
	CZH212	HINGE, lower	2	
5	ALA6381	SHIM, (hinge adjustment)	a/r	
6	GHF221	NUT, nyloc, (hinge to body)	8	
7	SF604061	SCREW, hinge to door	10	
8	14A764	BRACKET, check strap	4	2 per strap
	14A6744	BRACKET, check strap	2	

No.	Part Number	Description	Reqd.	Details
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	14A6745	BRACKET, check strap	2	
	ALA1221	CHECK STRAP, black	2	
	14E4289	CHECK STRAP, red	2	
	DC3005M	CHECK STRAP, red	2	
	DC3005P	CHECK STRAP, grey	2	
	ADA5671	CHECK STRAP, door	2	
9	CLZ412	CLEVIS PIN, check strap to body	2	
10	GHF500	SPLIT PIN	2	
11	BMP480	SEAL, check strap	2	early
	CZH4052	SEAL, check strap, RH	1	to VIN 324224
	CZH4053	SEAL, check strap, LH	1	
	CGE10038	SEAL, check strap, RH	1	from VIN 324225
	CGE10039	SEAL, check strap, LH	1	
12	CZH627	STRIKER, door lock	2	
13	CZD1184	STRIKER PLATE, RH	1	
	CZD1185	STRIKER PLATE, LH	1	
	CZG5254	STRIKER PLATE	2	1990 on
14	CZD1351	BUFFER, door to striker plate	2	
15	CZD1350	RETAINER, door buffer	2	
16	SF604051	SCREW, striker to B post	4	
	CZH628	PLUG, B post (behind catch)	2	
18	CZH3528	LOCK ASSEMBLY, RH	1	
	CZH3529	LOCK ASSEMBLY, LH	1	
19	ZCT410	SCREW, lock to door	8	
20	13H2899	LINK CLIP	4	
21	CZH616	LOCK CONTROL, RH	1	
	CZH617	LOCK CONTROL, LH	1	
22	GHF1021	NUT, plastic	4	
23	AB608031	SCREW, self tapping	4	door lock to frame
24	CZH611PA	BEZEL, lock control, (plastic)	2	
25	CZH640	RELEASE MECHANISM, RH	1	
	CZH641	RELEASE MECHANISM, LH	1	
26	SE910101	SCREW, release mechanism to door	4	
27	WL700101	WASHER, locking	4	
28	GLZ119A	HANDLE, opening	2	sliding windows
	JPC8387PA	HANDLE, opening (Black)	2	plastic

No.	Part Number	Description	Reqd.	Details
	CZH762	HANDLE, door pull	2	
29	PMP308	SCREW, release handle to spigot	2	
30	WE702101	WASHER, locking	2	
31	CFB10047	SEAL, door aperture (Black)	2	
32	CZH886	HANDLE, locking, (Chrome) RH	1	
	CZH887	HANDLE, locking, (Chrome) LH	1	
	CZH886/7	HANDLES, pair chrome	1	1970 on includes keys
	CZH1784S	HANDLE SET, chrome	1	1970 - 72
	WPA9019X	HANDLE SET, chrome	1	1972 on
	CZH1785LB	BARREL SET	1	1970 on inc: doors & boot

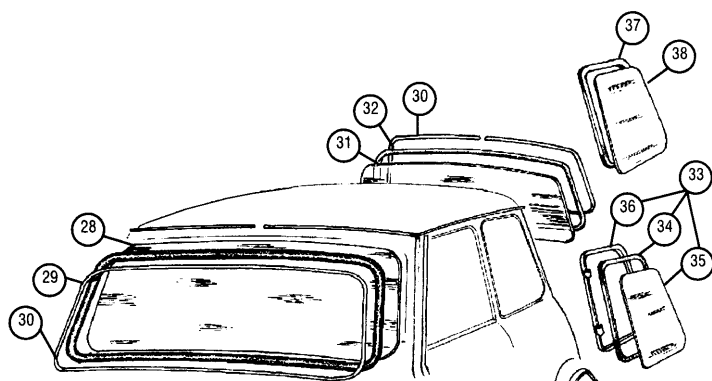
Note: we supply exterior lock sets with matching keys.

	JRC2841	HANDLE, locking, (Black) RH	1	
	JRC2842	HANDLE, locking, (Black) LH	1	
	JRC8180	HANDLE, locking, (Nimbus), RH	1	grey
	JRC8181	HANDLE, locking, (Nimbus), LH	1	
33	PMZ306	SCREW, exterior handle to door	4	
34	WL700101	WASHER, locking	4	
35	GHF306	WASHER	4	
36	ALA5795	GASKET, handle large	1	
37	CZH1729	GASKET, handle small	1	
38	CZH646	REGULATOR, RH	1	
	CZH647	REGULATOR, LH	1	

Note: See Accessories for electric window kits.

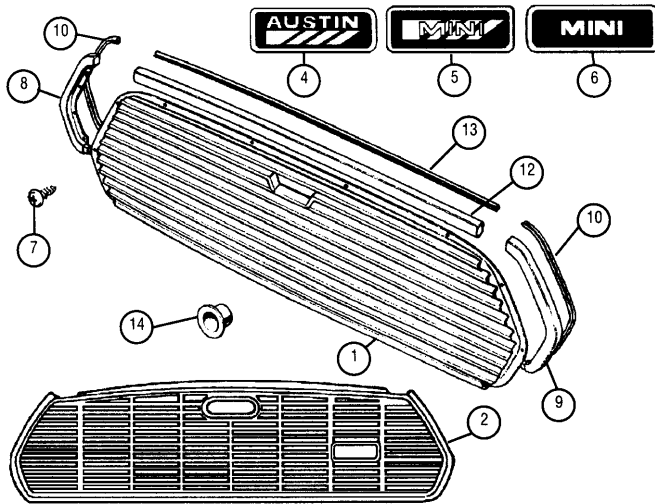
39	CZA7109	HANDLE, window winder	1	
	YGA4330	HANDLE, window winder	1	late type
40	ZKC3317	SCREW, window winder handle	2	
41	CZH701PA	HANDLE SURROUND, (Black)	2	
	GAC8495X	HANDLE SET, alloy	1	8 piece set
		(Includes: winders, openers, door pulls and lock bezels).		
42	ALA5723	DOOR GLASS, clear	2	
	CZH4007	DOOR GLASS, green tint	2	
43	PAM3076	RUBBER SEAL, glass upper RH	1	
	PAM3077	RUBBER SEAL, glass upper LH	1	
44	ALA5746	CHANNEL, lower glass front	2	
45	ALA5747	CHANNEL, lower glass rear	2	
46	EUJ10003	WEATHER STRIP, inner	2	with moulding
47	GHF1560	CLIP, inner weatherstrip	a/r	
48	PAM1014	WEATHERSTRIP, outer, RH	1	stainless steel
	PAM1015	WEATHERSTRIP, outer, LH	1	stainless steel
	HMP841007	WEATHERSTRIP KIT	1	stainless steel
		(Includes: both sides outer moulding and clips).		
49	ADA3809	CLIP, outer moulding	a/r	
	MS67	CHROME TRIM SURROUND, RH	1	1970 on
	MS68	CHROME TRIM SURROUND, LH	1	1970 on
	13H743	CLIP, for trim	12/24	
	14A7167	CHANNEL UPPER	2	
	14A7167Z	CHANNEL UPPER	2	
	EAM8530	WEATHER STRIP, RH	2	
	EAM8531	WEATHER STRIP, LH	2	
	24A88	CHANNEL, lower	2	
	24A1303	CHANNEL PLATE, RH	1	
	24A1304	CHANNEL PLATE, LH	1	
	24A1194	CATCH, RH front	1	1959 - 69
	24A1195	CATCH, LH front	1	
	24A1196	CATCH, RH rear	1	
	24A1197	CATCH, LH rear	1	
	24A1198	GASKET	4	
	14A8151	CHROME BOSS	4	
	14A7065B	WASHER, for chrome boss	4	
	RMP307	SCREW	4	
	14A7176	KICK PLATE, RH	1	
	14A7167	KICK PLATE, LH	1	
	24A1140	DOOR HANDLE, RH locking	1	1959 - 67
	24A1141	DOOR HANDLE, LH non locking	1	
	24A2083	DOOR HANDLE, RH locking	1	1967 - 69
	24A2083S	DOOR HANDLE SET	1	1967 - 69 three piece set
		(Includes boot handle).		
	24A1834	BOSS	2	
	24A1835	SEAL, boss	2	
	PMZ308	SCREW, boss	2	
	24A1140LB	BARREL SET	1	1959 - 69
	14A6832	STRIKER PLATE	2	
	14A6833	BUFFER, nylon	2	
	14A6835	BUFFER PLATE	2	

No.	Part Number	Description	Reqd.	Details
	24A2143	DOOR LATCH, RH with safety catch	1	lhd 1959 - 69
	24A2144	DOOR LATCH, LH with safety catch	1	rhd 1959 - 69
	24A2145	DOOR LATCH, RH no safety catch	1	rhd 1959 - 69
	24A2146	DOOR LATCH, LH no safety catch	1	lhd 1959 - 69
	14A7194	HANDLE, boot lid	1	1959 - 69
	14A7210	SEAL, rear door windows	2	mini van & estate
	14A7361	CHANNEL, front	2	estate rear side windows
	14A7362	CHANNEL, rear	2	estate rear side windows
	14A7362	CHANNEL, upper	2	estate rear side windows
	14A7363	CHANNEL, lower	2	estate rear side windows



WINDSCREEN, SIDE & REAR GLASS ▲

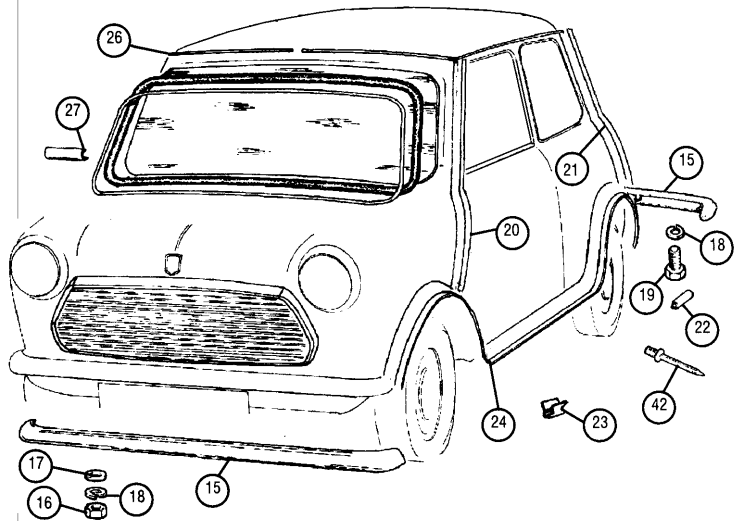
28	24A1887	WINDSCREEN, Toughened	1	
	24A2236	WINDSCREEN, Laminated	1	
	CZH4048	WINDSCREEN, Laminated	1	Green tint
	MS85	WINDSCREEN, Laminated	1	top tint
29	CZH4092	SEAL, front	1	toughened screen
	CCB10011	SEAL, front	1	laminated screen
	JRC2671	SEAL, front, (universal)	1	both types of screen
	CCB100130	SEAL, front	1	latest wide type seal
		(Helps keep those leaks at bay).		
30	24A1466	FILLER STRIP (Chrome)	2	pre-cut for front & rear
	JPC2017	CLIP, filler strip end finisher	1	
31	13H7323	REAR SCREEN, clear	1	heated
	CZH4013	REAR SCREEN, tinted	1	
32	JRC2674	SEAL, rear screen	1	
33	CZH3522	QUARTER LIGHT, clear, RH	1	
	CZH3523	QUARTER LIGHT, clear, LH	1	
	JRC5142	GLASS, quarter light, clear	2	
	CZH4010	QUARTER LIGHT, green, RH	1	
	CZH4011	QUARTER LIGHT, green, LH	1	
	JRC5143	GLASS, quarter light, green	2	
34	CZH3537	FRAME, quarter light, RH	1	
	CZH3538	Black LH	1	
35	JRC5142	GLASS, (opening quarter light)	2	clear
	JRC5143	GLASS, (opening quarter light)	2	green
36	47H9535M	RUBBER, glazing	1	
37	PAM1019	SEAL, (opening quarter light)	2	
	JRC2673	SEAL, (fixed quarter light)	2	
38	CZH1315	GLASS, (fixed quarter light)	2	



No.	Part Number	Description	Reqd.	Details
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FRONT GRILLE AND FITTINGS ▲

1	24A2158	GRILLE, stainless steel	1	mk1 Morris Cooper
	24A2159	GRILLE, stainless steel	1	mk1 Morris Cooper
	GAC8425X	RELEASE KIT	1	internal bonnet release kit
	14A7781FK	MOUSTACHE KIT, complete	1	includes end mouldings
	14A7781	MOUSTACHE	1	
	14A7782	MOULDING, right hand	1	for 14A7781
	14A7783	MOULDING, left hand	1	for 14A7781
	ADA3583	CLIP	3/6	for left/right end mouldings
	24A198	GRILLE	1	Austin mk1 Cooper & S
	14A7299	GRILLE	1	Austin mk1 wavy grille
	ALA6654	GRILLE, chrome	1	to 1977 & Mini 30
	ALA6654Z	GRILLE, chrome	1	to 1977 & Mini 30
	HMP841003	GRILLE KIT	1	inc: ALA6654 & surrounds
	DHB10150PME	GRILLE, black	1	1977 - 81
	CZH4015Z	GRILLE, black	1	1977 - 81
	DHB10087PMD	GRILLE, black	1	1981 - 81
2	PAM1878	GRILLE, black with shield	1	1981 - 84
	JRC7058LMY	GRILLE, nimbus	1	Mini 25 & 1984 on
3	ALA6668	GRILLE, 'Cooper'	1	Cooper 1300 + SE
	ALA6668Z	GRILLE	1	Cooper mk2
	ALA6669	GRILLE	1	Cooper mk2
	8B12502	GRILLE	1	Cooper mk2 stainless steel
		(With 6in holes for spot lamp fitment, external bonnet release access).		
	8B12503	GRILLE, stainless steel	1	Cooper mk2
		(With 6in holes for spot lamp fitment, internal bonnet release).		
	GAC8434X	GRILLE KIT	1	inc: 8B12502 grille & lamps
	GAC8420X	GRILLE KIT	1	inc: 8B12503 grille & lamps
	8B12504	GRILLE, stainless steel	1	Cooper mk2
		(External bonnet release access).		
	8B12505	GRILLE, stainless steel	1	Cooper mk2
		(Internal bonnet release).		
	8B12507	GRILLE, stainless steel	1	as Austin wavy mk2
		(External bonnet release access).		
	8B12508	GRILLE, stainless steel	1	as Austin wavy mk2
		(Internal bonnet release).		
	DHB102150MMM	GRILLE, 'Cooper'	1	Cooper 1.3i
	GAC8421X	GRILLE BUTTON KIT	1	
	GAC8439X	BONNET LOCK, black	1	fits externally
		(Covers access to bonnet release).		
	GAC8425X	RELEASE KIT, cable bonnet	1	internal bonnet release kit
	WPA9003X	NUDGE BAR SET, stainless steel	1	front & rear inc: all fixings
	WPA9004X	NUDGE BAR SET, black	1	front & rear inc: all fixings
4	JRC7084	BADGE, grille, 'Austin'	1	
5	JPC9935	BADGE, grille, 'Mini'	1	No Longer Available
6	DAH10003	BADGE, grille, 'Mini'	1	Mayfair & City
7	CDU1266	SCREW, self tapping	4	top of grille to body
	AB606031	SCREW, self tapping	8	side edges of grille to body
8	ALA6508	SURROUND, RH	1	
	ALA6508Z	MOULDING RH	1	all except
9	ALA6509	SURROUND, LH	1	Designer



No.	Part Number	Description	Reqd.	Details
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	ALA6509Z	MOULDING LH	1	
	AB606028	FIXING SCREW,	13	surrounds & top
10	37H8108M	SEATING STRIP, chrome	1	per metre
12	ALA6559	FINISHER, Grille Top	1	
	ALA6659Z	MOULDING TOP	1	
13	24A2708	SURROUND seating strip (29")	2	
14	ALA6747	PLUG, grille	2	
	HMP841009	MOULDING KIT	1	includes ALA6508/9/59
	CZH4372	GRILLE, Clubman	1	
	CZH1200	GRILLE, GT	1	
	CZH3552	SURROUND, RH	1	
	CZH3553	SURROUND, LH	1	

BUMPERS AND FITTINGS ▲

15	DPB10166	BUMPER, stainless steel	2	
	DPB10166Z	BUMPER, stainless steel	2	alternatives
	14A6779Z	BUMPER, chrome	2	
	14A6779SS	BUMPER, stainless steel	2	
	EAM9219	BUMPER, black	2	HL, HLE & Mayfair
	CZH4341	BUMPER, black	2	
	DPB10085PMG	BUMPER, black	2	
	JRC8268	BUMPER, nimbus	2	1984 to 1988 & Mini 25
	JRC8268Z	BUMPER, nimbus	2	1984 to 1988 & Mini 25
	CZH600	BUMPER, front	1	Clubman
	CZH605	BUMPER, rear	1	Clubman
	14A7550	BUMPER, quarter, chrome	2	mini van
	EAM9248	BUMPER, quarter, black	2	mini van
	CZH900	BUMPER, RH quarter	1	clubman
	CZH901	BUMPER, LH quarter	1	clubman
16	GHF200	NUT, plain (1/4")	6	all bumpers
17	PWZ204	WASHER, plain (1/4")	6	except EAM9219
	WC108051	WASHER, plain (5/16")	8	for bumper EAM9219
18	GHF331	WASHER, spring (1/4")	6	all except EAM9219
	GHF332	WASHER, spring (5/16")	8	for bumper
19	SH605051	BOLT, bumper to body (5/16")	8	EAM9219
	14A9923	OVER RIDER	2	Mk 1
		(With holes for corner bars. Right hand front and left hand rear).		
	14A9924	OVER RIDER	2	Mk 1
		(With holes for corner bars. Left hand front and right hand rear).		
	14A9877	CORNER BAR, RH front	1	
	14A9878	CORNER BAR, LH front	1	
	14A9919	CORNER BAR, RH rear	1	
	14A9920	CORNER BAR, LH rear	1	
	14A7598	BRACKET	4	for fitment of over rider
	SH605101	BOLT	4	for fitment of over rider
	37H9871M	SEATING RUBBER	1	solid by the metre
	14A9879	DISTANCE PIECE	4	bumper to corner bar
	GHF102	BOLT	4	bumper to corner bar
	GHF117	BOLT	4	over rider to corner bar
	WPA9006X	OVER RIDER AND BUMPER KIT	1	
		(Contains 2 bumpers pre drilled 4 corner bars, 4 over riders & all fixings).		
	14A8738	OVER RIDER	4	Mk 2 plain over riders
		(No holes for corner bars).		

No.	Part Number	Description	Reqd.	Details
	14A7598	BRACKET	4	for fitment of over rider
	SH605101	BOLT	4	for fitment of over rider
	37H9871M	SEATING RUBBER	1	sold by the metre
	WPA9005X	OVER RIDERS ONLY KIT	1	
		(Contains over riders and fixings (no corner bars)).		
	GAC9400X	BRACKET, fog lamp relocation	1	required when fitting over riders and corner bars

MOULDINGS AND FINISHERS ◀

20	BMP127	MOULDING, front seam	2	
21	BMP124	MOULDING, rear seam, RH	1	
	BMP125	MOULDING, rear seam, LH	1	
	8B12400	MOULDINGS, pair front	1	stainless steel
	8B12401	MOULDINGS, pair rear	1	stainless steel
	BMP128	CLIP	A/R	for body seam moulding
	BMP128MS	CLIP	A/R	for body seam moulding
22	BMP129	MOULDING, rear arch to seam	2	
23	GHF1560	CLIP, moulding (all seams)	a/r	
24	GZF105	MOULDING, w/arch (Chrome)	2	fluted
	GZF107	MOULDING, w/arch (Chrome)	2	flat
	GZF108M	MOULDING, w/arch (Black)	8	fluted (per metre)

Note: wheel arch extensions are available in sets, please see accessories section.

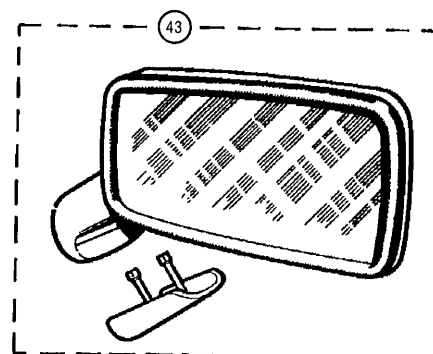
26	YGA1106	MOULDING, roof gutter, RH	1	black
	YGA1107	MOULDING, roof gutter, LH	1	
	JRC8260LP	MOULDING, roof gutter, RH	1	nimbus
	JRC8261LP	MOULDING, roof gutter, LH	1	
	GAC8494X	MOULDING, roof gutter	1	1 piece chrome plastic
27	DBE10006PMD	CLIP, roof moulding joint	2	black
	DBE10006LMP	CLIP, roof moulding joint	2	nimbus

WHEEL ARCH EXTENSIONS ◀

	AJM1117	ARCH KIT, black	1	
	AJM1117Z	ARCH KIT, black	1	
	CZH4312	EXTENSION, wheel arch, black	1	Front RH
	CZH4313	EXTENSION, wheel arch, black	1	Front LH
	CZH4314	EXTENSION, wheel arch, black	1	Rear RH
	CZH4315	EXTENSION, wheel arch, black	1	Rear LH
	CZH4312Z	EXTENSION, wheel arch, black	1	Front RH
	CZH4313Z	EXTENSION, wheel arch, black	1	Front LH
	CZH4314Z	EXTENSION, wheel arch, black	1	Rear RH
	CZH4315Z	EXTENSION, wheel arch, black	1	Rear LH
	CZH4316Z	SILL FINISHER	2	
	AJM1117GZ	ARCH KIT, grey	1	
	JRC8437	EXTENSION, wheel arch, nimbus	1	Front RH
	JRC8438	EXTENSION, wheel arch, nimbus	1	Front LH
	JRC8496	EXTENSION, wheel arch, nimbus	1	Rear RH
	JRC8497	EXTENSION, wheel arch, nimbus	1	Rear LH
	GAC8449X	ARCH COVER SET, stainless steel	1	fits on top of the standard plastic arches
	GAC84491X	SILL FINISHERS, stainless steel	1	

Note: Wheel arch extensions are also available in sets. See Accessories for full details.

	CZH4316	MOULDING, Black	2	between arch extensions
	JRC8267LP	MOULDING, Nimbus	2	between arch extensions
42	DYQ100140	RIVET, arch extension to body	a/r	
	DFJ100240LML	EXTENSION, wheel arch	1	front RH sportspac mini (As fitted to Rover sportspac minis, made from rubber. They protrude 3.5in. The metal arch require modification for fitment of 13in wheels).
	DFJ100250LML	EXTENSION, wheel arch	1	front LH sportspac mini (As fitted to Rover sportspac minis, made from rubber. They protrude 3.5in. The metal arch require modification for fitment of 13in wheels).
	DFK100460LML	EXTENSION, wheel arch	1	rear RH sportspac mini (As fitted to Rover sportspac minis, made from rubber. They protrude 3.5in. The metal arch require modification for fitment of 13in wheels).
	DFK100470LML	EXTENSION, wheel arch	1	rear LH sportspac mini (As fitted to Rover sportspac minis, made from rubber. They protrude 3.5in. The metal arch require modification for fitment of 13in wheels).
	GAC4606	SPORTPAC ARCH KIT	1	complete set (As fitted to Rover sportspac minis, made from rubber. They protrude 3.5in. The metal arch require modification for fitment of 13in wheels).
	DDJ10002	SILL FINISHER	2	rubber strip (Fits along the sill between the front and rear arch extensions).
	MRAC401	ARCH KIT, Group 2	1	
	MRAC405	ARCH KIT, Group 5	1	



No.	Part Number	Description	Reqd.	Details
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MIRRORS ▲

43	CRB10184NAL	MIRROR, RH door	1	diamond white
	CRB10184NNX	MIRROR, RH door	1	old English white
	CRB10185NAL	MIRROR, LH door	1	diamond white
	CRB10185NNX	MIRROR, LH door	1	old English white
	GAM215A	MIRROR, chrome RH	1	convex glass
	GAM216A	MIRROR, chrome LH	1	convex glass
	GAM217X	MIRROR, chrome RH	1	flat glass
	GAM218X	MIRROR, chrome LH	1	flat glass
	JPC9837	MIRROR, LH plastic	1	convex
	JPC9848	MIRROR, RH plastic	1	
	JPC9849	MIRROR, LH plastic	1	

SILL PROTECTORS

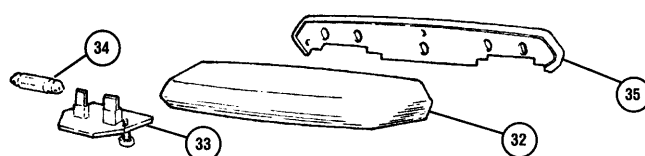
	EBN100010	TREADPLATES, pair	1	"MINI"
	EBN100040	TREADPLATES, pair	1	mini winged motif

MUDFLAPS

	CAT10044	MUDFLAPS, pair	1	Cooper
	AJM164	MUDFLAPS, pair	1	mini

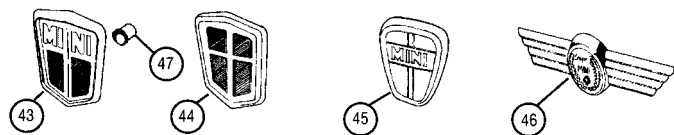
HUB CAPS

	88G337	HUB CAP	4	10 inch wheels
	88G337Z	HUB CAP	4	10 inch wheels



NUMBER PLATE LAMP ▲

32	13H6900	BODY, number plate lamp	1	unpainted Mk 3
	MT9331	BODY, number plate lamp	1	metal body chromed Mk 3
	GAC4614	BODY, number plate lamp	1	metal body chromed Mk 3
33	PRC1230A	LENS, number plate lamp	2	
34	GLB239	BULB, Festoon	2	
35	13H6010	GASKET, lamp body to boot lid	1	



No.	Part Number	Description	Reqd.	Details
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BADGES ▲

24A71	BADGE, bonnet	1	Austin Cooper & S mk1
24A72	BADGE, bonnet	1	Morris Cooper & S mk1
ADA3580	BADGE, bonnet	1	Morris Mini mk1
24G1201	BADGE INSERT, bonnet	1	Austin mk1
14A6837	BADGE SURROUND, bonnet	1	Austin insert surround
14A6802	BADGE, boot	1	Austin script mk1
24A23	BADGE, boot	1	Cooper script mk1
24A997	BADGE, boot	1	Mini script
14A6853	BADGE, boot	1	Seven script
24A1401	BADGE, boot, small	1	S script
24A1402	BADGE, boot, large	1	S script
24A24	BADGE, boot	1	Morris Cooper script
ADA3730	BADGE, boot	1	Mini Minor script
ALA6622	BADGE, boot	1	Austin Mini script
ALA6694	BADGE, boot	1	850 script
ALA6695	BADGE, boot	1	1000 script
ALA6696	BADGE, boot	1	1275 script
ALA6519	BADGE SURROUND, bonnet	1	Cooper S mk2
ALA6514	BADGE INSERT, bonnet	1	Austin Cooper S mk2
ALA6515	BADGE INSERT, bonnet	1	Morris Cooper S mk2
ALA6542	BADGE SURROUND, boot	1	Cooper S mk2
ALA6513	BADGE INSERT, bonnet	1	Austin Cooper mk2
ALA6518	BADGE SURROUND, bonnet	1	Austin Cooper mk2
ALA6511	BADGE INSERT, bonnet	1	Morris Cooper mk2
ALA6517	BADGE SURROUND	1	Morris Cooper mk2
ALA6536	BADGE INSERT, boot	1	Cooper S mk2
ALA6537	BADGE INSERT, boot	1	Austin Cooper mk2
ALA6538	BADGE INSERT, boot	1	Morris Cooper mk2
AVB191/2	BADGE	1	mk2 script
CZH1220	BADGE, front grille	1	clubman GT red
CZH4016	BADGE, boot	1	Mini Special
CZH1269	BADGE, boot	1	1275GT
CZH4154	BADGE, boot	1	1275GT late
CZH1220	BADGE, boot	1	GT red
CZH1381	BADGE, boot	1	Mk 3 Cooper S
43 CZH4378	BADGE, bonnet	1	to VIN 349159
CZH1305	BADGE, bonnet	1	blue on silver
44 KPC1002	BADGE, bonnet	1	VIN349160 to 463576
45 DAB10076	BADGE, bonnet	1	VIN 463577 to 493180
46 DAB10079	BADGE, bonnet	1	Cooper models
DAB101130	BADGE, bonnet	1	Italian job
DAB10038	BADGE, bonnet	1	Checkmate
DAB10085	BADGE, bonnet	1	Rover
DAH100410	BADGE, boot	1	'MINI' in white as Italian Job
DAH100590MMM	BADGE, boot, self adhesive	1	97 on Mini winged badge
47 GHF1531	CLIP, badge retaining	3	

DECALS

DAE10119NMN	COACHLINE, white	1	
JRC2679NMN	COACHLINE, white	1	
DAE10119PMA	COACHLINE, black	1	
DAF10380NMN	COOPER LAUREL, white	1	
DAF10380PMA	COOPER LAUREL, black	1	
DAF10402NMN	BONNET STRIPE, RH white	1	
DAF10403NMN	BONNET STRIPE, LH white	1	
DAF10402PMA	BONNET STRIPE, RH black	1	
DAF10403PMA	BONNET STRIPE, LH black	1	
JCA9017X	BONNET STRIPE, white	1	John Cooper signature
JCA9018X	BONNET STRIPE, black	1	John Cooper signature
JCA9012X	STICKER PACK	1	
JCA9013X	HOLDER, tax disc	1	
JCA9014X	STICKER, window	A/R	
DAF104090RHR	BOOT	1	Italian Job for white cars
DAF104090RHS	BOOT	1	Italian Job for green, red or black cars
DAF104160RHR	BODY SIDE	1	Italian Job for white cars
DAF104160RHS	BODY SIDE	1	Italian Job for green, red or black cars

No.	Part Number	Description	Reqd.	Details
	DAF104520RAU	BOOT	1	Monte Carlo
	DAF104530RAU	BODY SIDE	1	Monte Carlo
	DAF104540RAU	BONNET	1	Monte Carlo
	DAF105120	ROOF DECAL	1	Union Jack

CHASSIS PLATES

CRCP314	CHASSIS PLATE	1	Austin (not stamped)
CRCP316	CHASSIS PLATE	1	Morris (not stamped)

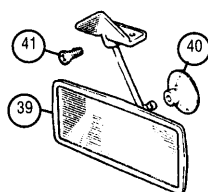
MISCELLANEOUS

EEP11Z	AERIAL, stainless steel	1
GAC7999X	HEADLAMP EYEBROWS, pair	1
GAC8431X	CAR COVER	1
KRH10003	SUMPGUARD, Cooper	1
EBF100150	LOAD LINER, boot	1

WOOD KIT COUNTRYMAN ESTATE

HMP341002	WOOD TRIM KIT	1
HMP841001	FIXING KIT, wood trim	1

No.	Part Number	Description	Reqd.	Details
INTERIOR MIRROR AND FITTINGS				
39	CZH4000	MIRROR, interior (dipping)	1	
	CZH4130	MIRROR, interior	1	
	MT9141	MIRROR, interior stainless steel	1	
40	CRT10004	SUCTION PAD	1	
41	RMZ308	SCREW, mirror to cant rail	2	



CARPET SETS

As any Mini owner is aware it can get very noisy when driving at speed. The carpet set we supply has been designed with this in mind. The front sections of carpet feature 12mm thick sections of sound deadening laminated to the backing of the carpet to keep the sound levels as low as possible. Carpet set includes all fittings.

CSA9000X	CARPET SET, black	1	
CSR9000X	CARPET SET, red	1	
CSF9000X	CARPET SET, grey	1	

We can also offer a moulded carpet set produced by the original manufacturer. Unfortunately these carpet sets do not have sound deadening backing material, but do not despair, we can also offer a sound deadening kit of the same material as fitted to the above carpet sets. See Sound Insulation listed below.

CSA9001X	CARPET SET, black, moulded	1	
CSA9002X	CARPET SET, black	1	to 1973
CSA9002Z	CARPET SET, black	1	budget type, beaded edge
CSF9002X	CARPET SET, grey	1	to 1973
CSF9002DZ	CARPET SET, dark grey	1	budget type, beaded edge
CSF9002Z	CARPET SET, grey	1	budget type, beaded edge
CSN9001X	CARPET SET, blue	1	to 1973
CSN9001Z	CARPET SET, blue	1	budget type, beaded edge
CSR9002X	CARPET SET, red	1	to 1973
CSR9002Z	CARPET SET, red	1	budget type, beaded edge
610624	FASTENER, fitted to floor	4	
GHF600	RIVET, for 610624	4	
2H8445	CLIP, carpet to floor	4	
14G8736	RING, spiked, through carpet	4	

SOUND INSULATION KITS

Keeping the volume of noise in your Mini down to a minimum can be a problem, any of the products listed below should help to solve the problem.

GAC8417X	INSULATION KIT (engine bay)	1	bonnet & bulkhead
GAC8429X	INSULATION KIT (interior)	1	under carpet

The following list of sound deadening panels are genuine Rover items used on the latest Minis to keep the volume of noise in the cabin as low as is possible.

KPC2359	INSULATION, bulkhead (engine bay)	1	RHD
ETD101590	INSULATION (engine bay)	1	LHD
EAM7507	INSULATION, bulkhead (interior)	1	centre binnacle
ETD101640	INSULATION, bulkhead (interior)	1	RHD, offset binnacle
ETD101570	INSULATION, bulkhead (interior)	1	LHD, offset binnacle
ETD10094	INSULATION (floor to bulkhead)	1	RHD
ETD10095	INSULATION (floor to bulkhead)	1	LHD
PAM2626	FOAM PAD, gear lever gaiter	1	

BOOT FLOOR KIT

Tidy the boot area of your Mini with one of these carpeted wood false floors. When installed they provide a flat floor that not only tidies the boot area, but also helps to protect the battery and spare wheel.

BFK9001X	FLOOR KIT (5.5 gallon)	1	1974-79
BFK9002X	FLOOR KIT (7.5 gallon)	1	1980 on
BFK9003X	BRACKET SET, boot floor	1	145 section tyres
BFK9004X	BRACKET SET, boot floor	1	165 section tyres

MAT SETS

MFM112	MAT SET, foot well (4)	1	anthracite/black
MFM112L	MAT SET, foot well (4)	1	anthracite/black lhd
MFM113	MAT SET, foot well (4)	1	black/black
MFM113L	MAT SET, foot well (4)	1	black/black lhd
EAH10110PMA	MAT SET, foot well (4)	1	Cooper, black to 1997
EAH102410LOY	MAT SET, foot well (4)	1	grey

No.	Part Number	Description	Reqd.	Details
DASH PANEL KITS				
	DPK9000X	DASH PANEL KIT, centre speedo	1	Speedo only
	DPK9001X	DASH PANEL KIT, centre binnacle	1	3 gauges no vents
	DPK9002X	DASH PANEL KIT, centre binnacle	1	3 gauges With vents
	DPK9003X	DASH PANEL KIT, offset binnacle	1	2 & 3 gauge, RHD
	DPK9004X	DASH PANEL KIT, offset binnacle	1	2 & 3 gauge, LHD

PARCEL SHELF KITS

DPK9010X	LINER KIT, parcel shelf	1	central binnacle
DPK9010CARDS	DAS LINER SUPPORTS	1	
DPK9011X	LINER KIT, parcel shelf	1	offset binnacle RHD
DPK9012X	LINER KIT, parcel shelf	1	offset binnacle LHD

TRIM PANEL KITS

Designed to enhance the interior of your Mini, available in Black, Red or Nimbus (grey). These high quality trim panel kits feature a horizontal seam welded design styled on the original Cooper design of interior trim.

TKF9000X	TRIM PANEL KIT, deluxe, grey	1	mk1 + 2
TKF9008X	TRIM PANEL KIT, std, grey	1	mk1 + 2
TKR9000X	TRIM PANEL KIT, deluxe, red	1	mk1 + 2
TKR9008X	TRIM PANEL KIT, std, red	1	mk1 + 2
TKA9008X	TRIM PANEL KIT, std, black	1	mk1 + 2
TKA9042X	TRIM PANEL KIT, black	1	mk3 on
TKR9042X	TRIM PANEL KIT, red	1	mk3 on
TKF9042X	TRIM PANEL KIT, grey	1	mk3 on
GHF1222X	CLIP, trim panel to door	a/r	mk3 on
YGA452	POCKET, door, plastic	2	mk3 on

HEADLINING & SUN VISORS

If your headlining showing signs of old age, then why not replace it? We can supply a ready stitched vinyl replacement main section with all loops stitched in place. The kit also contains a pair of rear pillar covers in matching material.

HLK3000C	HEADLINING, cream crackle	1	mk1
HL3010C	HEADLINING, cream	1	mk2
PAM5401AP	HEADLINING KIT, white	1	MK3 on
(Includes both rear C post material panels, shape rods not included).			
PAM5401LNG	HEADLINING KIT, grey	1	MK3 on
(Includes both rear C post material panels, shape rods not included).			
HLK3012P	HEADLINING KIT, light grey	1	
HLK3012W	HEADLINING KIT, white	1	
EEB100060	HEADLINING RAIL	1	number 1
EEB100070	HEADLINING RAIL	2	number 2 and 3
EEB100080	HEADLINING RAIL	1	number 4
EEB100090	HEADLINING RAIL	1	number 5
EEB100100	HEADLINING RAIL	1	number 6
YGX4173LNG	SUN VISOR, light grey	1	drivers side
YGX2394LNG	SUN VISOR, light grey	1	passengers side (mirror)
GAC8465X	VISOR, black	1	no mirror
GAC8466X	VISOR, black	1	with mirror

MISCELLANEOUS

24A1169	FINISHER, rear pocket	2	
14A8009	FINISHER, dash	1	
24A1538	ASHTRAY, flat lid	1	
8D2490	ASHTRAY, slotted lid	1	
MT9301	AIR VENT COVERS, chrome	1	includes vent surrounds & adjuster knob covers
105-461	HOLDER, tax disc	1	mini logo
105-463	VALVE CAPS	1	mini logo
105-464	VALVE CAPS, anti theft	1	mini logo
105-465	HANDLE, hand brake	1	mini logo
105-467	CARBON FIBRE SHEET	1	

Tool Rolls

GAC8418X	TOOL BAG, black hardura	1	
GAC8419X	JACK BAG, black hardura	1	

Trim Adhesive

UBS110	ADHESIVE (0.5 litre)	a/r	
UBS203	ADHESIVE (370g aerosol)	a/r	

No. Part Number	Description	Reqd.	Details
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SEAT COVER KITS

These seat covers have been styled to complement the range of trim panels we are able to supply. The kit contains a full set of vinyl seat covers and foams for both front seats, and rear squab and cushion vinyl covers. Rear seat foams are not included in the kit, as they usually remain in good condition, but we can supply these separately, please contact your local branch.

SCA9001X	SEAT COVER KIT, black	1	Non Reclining seats
SCR9001X	SEAT COVER KIT, red	1	
SCF9001X	SEAT COVER KIT, grey	1	
SCA9002X	SEAT COVER KIT, black	1	Reclining seats no headrest
SCR9002X	SEAT COVER KIT, red	1	
SCF9002X	SEAT COVER KIT, grey	1	
SCA9003X	SEAT COVER KIT, black	1	Reclining seats with headrest
SCR9003X	SEAT COVER KIT, red	1	
SCF9003X	SEAT COVER KIT, grey	1	

Note: The seat cover kits for cars with headrests contain replacement covers for the headrests.

CZH3551	DIAPHRAGM, squab	2
CZH1787	DIAPHRAGM, cushion	2
SFK9001X	SEAT FOAM, rear squab	1
SFK9002X	SEAT FOAM, rear cushion	1

Note: To avoid any confusion, please check the type of seat fitted to your car. There are no exact change points for each seat type.

SPORTS '93 SEATS
Black With Black Piping

We are able to supply seat cover sets to re-trim '1993 on' seats in Black Leather. Designed to complement our range of trim kits, the seat cover sets are a direct replacement for the covers fitted to the current Rover seat. If however, your car was produced before 1993, then we can offer fully trimmed seats assemblies ready to fit directly to the existing mounting brackets. It is also possible to have the rear seats in the same style, by using the rear cover sets to re-trim your existing frames. Or, as with the front seats, complete trimmed rear seat assemblies ready to fit.

SCA9101X	SEAT ASSEMBLY, Front RH	1	Sport '93 seats
SCA9102X	SEAT ASSEMBLY Front, LH	1	
SCA9100X	SEAT COVER SET, Front	1	
SCA9104X	SEAT ASSEMBLY, Rear	1	
SCA9103X	SEAT COVER SET, Rear	1	

SPORTS SEATS

SEAT01	CLASSIC, bucket (Black nylon).	2	low back black nylon
SEAT01HR	CLASSIC, bucket (Black nylon).	2	low back with head rest
SEAT01V	CLASSIC, bucket (Black nylon).	2	low back
SEAT03	CLUBMAN, bucket (Black nylon 4 harness holes).	2	high back
SEAT03V	CLUBMAN, bucket (Black vinyl 4 harness holes).	2	high back
SEAT04	LE MANS, recliner (Blackrock).	2	high back with head rest
SEAT04BLU	LE MANS, recliner (Bluerock).	2	high back with head rest
SEAT04RED	LE MANS, recliner (Redrock).	2	high back with head rest
SEAT04GREY	LE MANS, recliner (Greyrock).	2	high back with head rest
SEAT04V	LE MANS, recliner (Black vinyl).	2	high back with head rest
SEAT04GV	LE MANS, recliner (Grey vinyl).	2	high back with head rest
SEAT04L	LE MANS, recliner (Black leather).	2	high back with head rest
SEAT04GL	LE MANS, recliner (Grey leather).	2	high back with head rest
SEAT05	IMOLA, Kevlar, bucket (5 point harness holes blackrock sides & centre).	2	high back competition
SEAT05RED	IMOLA, Kevlar, bucket (5 point harness holes blackrock sides & redrock centre).	2	high back competition

No. Part Number	Description	Reqd.	Details
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SEAT05BLU	IMOLA, Kevlar, bucket (5 point harness holes, blackrock sides & bluerock centre).	2	high back competition
SEAT05GREY	IMOLA, Kevlar, bucket (5 point harness holes, blackrock sides & greyrock centre).	2	high back competition
SEAT07	SEAT FRAME, steel	2	side mounted seat frame for competition seats
SEAT07A	SEAT FRAME, alloy	2	
SEAT09	SEAT FRAME	2	no floor lock
SEAT10LEFT	SEAT FRAME, left hand	1	floor locking sub frame
SEAT10RIGHT	SEAT FRAME, right hand	1	floor locking sub frame
GAC8427X	SEAT BRACKETS, pair	2	alloys seat position to be moved further back

SEAT BELTS AND HARNESSSES

SBS300/30	SEAT BELT, static	1	
SBS300/30RED	SEAT BELT, static	1	red
SBS500/30	SEAT BELT, inertia	1	
SBS500/30RED	SEAT BELT, inertia	1	red
SBH605BLACK	HARNESS, 3 point	1	black
SBH605BLUE	HARNESS, 3 point	1	blue
SBH605RED	HARNESS, 3 point	1	red
SBH655BLACK	HARNESS, 4 point	1	black
SBH655BLUE	HARNESS, 4 point	1	blue
SBH655RED	HARNESS, 4 point	1	red
SBH692BLACK	HARNESS, 4 point	1	black FIA approved
SBH692BLUE	HARNESS, 4 point	1	blue FIA approved
SBH692RED	HARNESS, 4 point	1	red FIA approved

GEAR KNOBS

MXV9004	GEAR KNOB, illuminated	1	silver with red led
MXV9005	GEAR KNOB, illuminated	1	chrome with red led
MXV9006	GEAR KNOB, illuminated	1	carbon with red led
GAC4052C	GEAR KNOB	1	leather Cooper
GAC4052X	GEAR KNOB	1	leather mini
GAC4053C	GEAR KNOB	1	wood Cooper
GAC4053X	GEAR KNOB	1	wood
GAC4054C	GEAR KNOB	1	wood Cooper laurel
GAC4054X	GEAR KNOB	1	wood mini wings
GAC4055C	GEAR KNOB	1	leather Cooper laurel
GAC4055X	GEAR KNOB	1	leather mini wings
105-460	GEAR KNOB	1	mini logo

MOMO GEAR KNOBS AND STEERING WHEELS

MOMO steering wheels and gear knobs are so renowned for their quality that many vehicle manufacturers offer them as optional extras. Their design and ergonomics are suited to all tastes and interior options. All MOMO steering wheels will require an adaptor boss.

MOMO1050	GEAR KNOB, 'Anatomic Hide'	1	
MOMO1051	GEAR KNOB, 'Anatomic Wood'	1	
MOMO1052	GEAR KNOB, 'Carbon Shadow'	1	
MOMO1053	GEAR KNOB, 'Competition'	1	
MOMO1054	GEAR KNOB, 'Aluminium Sport'	1	
MOMO1055	GEAR KNOB, 'Race'	1	
MOMO1057	GEAR KNOB, 'Race Air Leather'	1	
MOMO1060	GEAR KNOB, 'Race Air Leather Alloy'	1	
MOMO1061	GEAR KNOB, 'Wood Action Adjustable'	1	
MOMO1063	GEAR KNOB, 'Leather Action Adjustable'	1	
MOMO1064	GEAR KNOB, 'Sphere'	1	
MOMO1065	GEAR KNOB, 'Sphere Aluminium'	1	
MOMO1066	GEAR KNOB, 'Sphere Wood'	1	
MOMO1067	GEAR KNOB, 'Sphere Chrome'	1	
MOMO1043	STEERING WHEEL, 'Champion'	1	350mm
MOMO1044	STEERING WHEEL, 'Corse'	1	350mm
MOMO1045	STEERING WHEEL, 'Race'	1	350mm
MOMO1046	STEERING WHEEL, 'Power'	1	300mm
MOMO1047	STEERING WHEEL, 'Daytona Carbon'	1	365mm
MOMO1048	STEERING WHEEL, 'Competition'	1	350mm
MOMO1049	STEERING WHEEL, 'Racing Line'	1	350mm
MOMO1070	STEERING WHEEL, 'Millennium'	1	350mm
MOMO1071	STEERING WHEEL, 'Olympic 2000'	1	365mm
MOMO1072	STEERING WHEEL, 'Fighter'	1	350mm
MOMO1073	STEERING WHEEL, 'Fashion'	1	350mm
GAC8491X	BOSS, steering wheel	1	1969 - 71
GAC8492X	BOSS, steering wheel	1	1976 - 91
GAC8493X	BOSS, steering wheel	1	1991 - 96

No.	Part Number	Description	Reqd.	Details
MOTO-LITA STEERING WHEELS				
	MLW1111-12	STEERING WHEEL, 12inch	1	flat, polished, leather
	MLW1111-13	STEERING WHEEL, 13inch	1	flat, polished, leather
	MLW1112-13	STEERING WHEEL, 13inch	1	flat, black, leather
	MLW1113-12	STEERING WHEEL, 12inch	1	dished, polished, leather
	MLW1113-13	STEERING WHEEL, 13inch	1	dished, polished, leather
	MLW1115-13	STEERING WHEEL, 13inch	1	flat, wood
	MLW1116-13	STEERING WHEEL, 13inch	1	dished, wood
	MLW1117B1HM	BOSS, steering wheel	1	1959 - 66 Motolita
	MLW1117B1M	BOSS, steering wheel	1	1966 - 69 Motolita
	MLW1117B1HM	BOSS, steering wheel	1	1969 - 75 Motolita
	MLW1117B1HM	BOSS, steering wheel	1	1976 on Motolita
	MLW1117X1	CENTRE CAP, no horn push	1	
	MLW1117X2	CENTRE CAP, with horn push	1	
	MLW1117X3	POLISHED RING KIT	1	includes screws

JOHN COOPER 'SIGNATURE' STEERING WHEELS

JCA9001MK1	STEERING WHEEL KIT	1	59 - 66 inc: wheel & boss
JCA9001MK2	STEERING WHEEL KIT	1	66 - 69 inc: wheel & boss
JCA9001MK3	STEERING WHEEL KIT	1	69 - 76 inc: wheel & boss
JCA9001X	STEERING WHEEL KIT	1	1976 on inc: wheel & boss
JCA9005X	INTERNAL LOCK BEZELS, pair	1	

GENERAL HARDWARE AND FIXINGS

Following is a listing of the common fasteners used on Triumph cars. These fasteners are for general use and are not intended to replace those listed for specific applications elsewhere in this catalogue. To aid identification by terminology, a screw is threaded for its full length.

A bolt is only part threaded with a plain unthreaded shank area between the head and the thread. The part number two letter prefix of SH means that the item is a Screw with a Hexagon head.

The prefix BH means a Bolt with a Hexagon head. The first number defines the thread type, UNF = 6, UNC = 5. The second and third numbers give the thread diameter in increments of 1/16", e.g. 04 = 1/4", 05 = 5/16", 10 = 5/8". The fourth and fifth digits show the length in increments of 1/8", e.g. 04 = 1/2", 16 = 2", 23 = 2 7/8". The last digit defines finish, 1 = zinc plated. This coding system is only applicable to bolts and screws; nuts & washers are coded by a similar system that follows some of the above principles.

BOLTS AND SET SCREWS

3/16" UNF
Hexagon Headed 3/8" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	3/8"	HU503
N/A	1/2"	HU504
N/A	5/8"	HU505
N/A	3/4"	HU506
N/A	7/8"	HU507
N/A	1"	HU508

1/4" UNF
Hexagon Headed 7/16" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	3/8"	SH604031
N/A	1/2"	SH604041
N/A	5/8"	SH604051
N/A	3/4"	SH604061
N/A	7/8"	SH604071
BH604081	1"	SH604081
BH604091	1 1/8"	SH604091
BH604101	1 1/4"	SH604101
BH604111	1 3/8"	SH604111
BH604121	1 1/2"	SH604121
BH604141	1 3/4"	SH604141
BH604161	2"	SH604161
BH604181	2 1/4"	N/A
BH604201	2 1/2"	N/A
BH604241	3"	N/A

5/16" UNF
Hexagon Headed 1/2" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	3/8"	SH605031
N/A	1/2"	SH605041
N/A	5/8"	SH605051
N/A	3/4"	SH605061
N/A	7/8"	SH605071
N/A	1"	SH605081
BH605091	1 1/8"	SH605091
BH605101	1 1/4"	SH605101
BH605111	1 3/8"	SH605111
BH605121	1 1/2"	SH605121
BH605141	1 3/4"	SH605141
BH605151	1 7/8"	SH605151
BH605161	2"	SH605161
BH605181	2 1/4"	SH605181
BH605201	2 1/2"	SH605201
BH605221	2 3/4"	SH605221
BH605241	3"	SH605241

3/8" UNF
Hexagon Headed 9/16" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	3/8"	SH606031
N/A	1/2"	SH606041
N/A	5/8"	SH606051
N/A	3/4"	SH606061
N/A	7/8"	SH606071

3/8" UNF Continued...
Hexagon Headed 9/16" A.F. Spanner Size

Bolt	Length	Set Screw
BH606081	1"	SH606081
BH606091	1 1/8"	SH606091
BH606101	1 1/4"	SH606101
BH606111	1 3/8"	SH606111
BH606121	1 1/2"	SH606121
BH606141	1 3/4"	SH606141
BH606161	2"	SH606161
BH606181	2 1/4"	SH606181
BH606201	2 1/2"	SH606201
BH606221	2 3/4"	N/A
BH606241	3"	N/A
BH606281	3 1/2"	N/A
BH606321	4"	N/A

7/16" UNF
Hexagon Headed 5/8" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	5/8"	SH607051
N/A	3/4"	SH607061
N/A	7/8"	SH607071
N/A	1"	SH607081
N/A	1 1/8"	SH607091
N/A	1 1/4"	SH607101
N/A	1 3/8"	SH607111
BH607121	1 1/2"	SH607121
BH607141	1 3/4"	SH607141
BH607161	2"	SH607161
BH607181	2 1/4"	SH607181
BH607201	2 1/2"	N/A
BH607241	3"	N/A

1/2" UNF
Hexagon Headed 3/4" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	1/2"	SH608041
N/A	5/8"	SH608051
N/A	1"	SH608081
N/A	1 1/2"	SH608121
BH608141	1 3/4"	SH608141
BH608161	2"	N/A
BH608181	2 1/4"	N/A
BH608201	2 1/2"	SH608201
BH608241	3"	N/A

1/4" UNC
Hexagon Headed 7/16" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	3/8"	SH504031
N/A	1/2"	SH504041
N/A	5/8"	SH504051
N/A	3/4"	SH504061
N/A	7/8"	SH504071
N/A	1"	SH504081
BH504091	1 1/8"	SH504091
N/A	1 1/4"	SH504101
BH504111	1 3/8"	SH504111
BH504121	1 1/2"	SH504121
BH504141	1 3/4"	SH504141
BH504161	2"	N/A
BH504181	2 1/4"	SH504181
BH504201	2 1/2"	N/A

5/16" UNC
Hexagon Headed 1/2" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	3/8"	SH505031
N/A	1/2"	SH505041
N/A	5/8"	SH505051
N/A	3/4"	SH505061
N/A	7/8"	SH505071
N/A	1"	SH505081
N/A	1 1/8"	SH505091

5/16" UNC Continued...

Bolt	Length	Set Screw
BH505101	1 1/4"	SH505101
BH505111	1 3/8"	SH505111
BH505121	1 1/2"	SH505121
BH505141	1 3/4"	SH505141
BH505161	2"	N/A
BH505181	2 1/4"	N/A
BH505201	2 1/2"	SH505201
BH505241	3"	N/A

3/8" UNC

Hexagon Headed 9/16" A.F. Spanner Size

Bolt	Length	Set Screw
N/A	1/2"	SH506041
N/A	3/4"	SH506061
N/A	7/8"	SH506071
BH506081	1"	SH506081
N/A	1 1/8"	SH506091
N/A	1 1/4"	SH506101
BH506111	1 3/8"	SH506111
BH506121	1 1/2"	SH506121
BH506141	1 3/4"	N/A
BH506161	2"	SH506161
BH506181	2 1/4"	N/A
BH506201	2 1/2"	N/A
BH506241	3"	SH506241

Self Tapping Screws

Pan Head	Size	Length	Countersunk Head
AB604021	No. 4	1/4"	AC604021
AB606021	No. 6	1/4"	N/A
AB606031	No. 6	3/8"	N/A
AB606041	No. 6	1/2"	AC606041
AB606061	No. 6	3/4"	AC606061
AB606081	No. 6	1"	AC606081
AB608041	No. 8	1/2"	AC608041
AB608061	No. 8	3/4"	AC608061
AB608081	No. 8	1"	N/A
AB610041	No. 10	1/2"	AC610041
AB610061	No. 10	3/4"	AC610061
AB610081	No. 10	1"	AC610081
AB612041	No. 12	1/2"	AC612041
AB612061	No. 12	3/4"	N/A
AB612081	No. 12	1"	AC612081
AB614061	No. 14	3/4"	AC614061
AB614081	No. 14	1"	AC614081

B	= Pan Head
C	= Countersunk Head
1st digit	= thread type (coarse or fine)
2nd/3rd digit	= diameter
4th/5th	= length in 1/8" increments
6th	= finish (1 = zinc plated)

Cross Slot Screws

Pan Head	Size	Length	Countersunk Head
PMZ204	No. 6 UNC	1/4"	CMZ204
PMZ208	No. 6 UNC	1/2"	CMZ208
PMZ304	No. 10 UNF	1/4"	CMZ304
PMZ305	No. 10 UNF	5/16"	CMZ305
PMZ306	No. 10 UNF	3/8"	CMZ306
PMZ307	No. 10 UNF	7/16"	CMZ307
PMZ308	No. 10 UNF	1/2"	CMZ308
PMZ310	No. 10 UNF	5/8"	CMZ310
PMZ312	No. 10 UNF	3/4"	CMZ312
PMZ314	No. 10 UNF	7/8"	N/A
PMZ316	No. 10 UNF	1"	CMZ316
SE604041	1/4" UNF	1/2"	SF604041
SE604051	1/4" UNF	5/8"	SF604051
SE604061	1/4" UNF	3/4"	SF604061
SE604071	1/4" UNF	7/8"	SF604071
SE604081	1/4" UNF	1"	SF604081
SE604121	1/4" UNF	1 1/2"	SF604121
SE605061	5/16" UNF	3/4"	SF605061
SE605081	5/16" UNF	1"	SF605081

Plain Nuts

Full Nut	Thread Size	Spanner Size	Half Nut
HN2003	No. 6 UNF	5/16"	N/A
HN2005	3/16" UNF	3/8"	N/A
GHF206	3/16" UNF	5/16"	N/A
HN2007	1/4" UNF	7/16"	NJ2107
HN2008	5/16" UNF	1/2"	JN2108
HN2009	3/8" UNF	9/16"	JN2109
HN2010	7/16" UNF	5/8"	JN2110
HN2011	1/2" UNF	3/4"	JN2111
HN2012	9/16" UNF	7/8"	JN2112
HN2013	5/8" UNF	15/16"	JN2113
HN2057	1/4" UNC	7/16"	JN2157
HN2058	5/16" UNC	1/2"	JN2158
HN2059	3/8" UNC	9/16"	JN2159

Nyloc Self Locking Nuts

Full Nut	Thread Size	Spanner Size	Half Nut
YN2905	3/16" UNF	5/16"	N/A
YN2907	1/4" UNF	7/16"	GHF271
YN2908	5/16" UNF	1/2"	TN3208
YN2909	3/8" UNF	9/16"	TN3209
YN2910	7/16" UNF	5/8"	TN3210
YN2911	1/2" UNF	3/4"	TN3211
YN2912	9/16" UNF	7/8"	TN3212
YN2913	5/8" UNF	15/16"	TN3213

'Aero' or all metal, 'Phillidas' Self Locking Nuts

Full Nut	Thread Size	Spanner Size	Half Nut
AN3507	1/4" UNF	7/16"	N/A
AN3508	5/16" UNF	1/2"	N/A
AN3509	3/8" UNF	9/16"	N/A
AN3510	7/16" UNF	5/8"	N/A
AN3511	1/2" UNF	3/4"	N/A

Slotted Nuts

Full Nut	Thread Size	Spanner Size	Half Nut
ND606041	3/8" UNF	9/16"	LN2209
ND607041	7/16" UNF	5/8"	NL607041
ND608041	1/2" UNF	3/4"	LN2211
ND609041	9/16" UNF	7/8"	LN2212
ND610041	5/8" UNF	15/16"	NL610041

Plain Brass - Manifold Nuts

Full Nut	Thread Size	Spanner Size
GHF261	5/16" UNF	1/2"
GHF262	3/8" UNF	9/16"
GHF270	5/16" UNC	1/2"
GHF269	3/8" UNC	9/16"

Spring/Spire Nut

Flat Type	Screw Size	'U' Type
GHF700	No. 6	GHF711
GHF701	No. 8	GHF712
GHF702	No. 10	GHF713
GHF703	No. 12	GHF714
GHF704	No. 14	N/A

Captive Nuts

Captive nuts consist of a square nut and cage which we supply individually as required. Always match nut and cage A.F. sizes.

Part Number	Description	Thread Size
NQ2707	Nut, 7/16" AF	1/4"
NQ2708	Nut, 5/8" AF	5/16"
CN4	Nut, fits CN3 cage	1/4"
CN5	Nut, /2" AF	5/16"

Part Number	Description	Spanner Size (AF)
CN2	Cage, square	7/16"
CN3	Cage, oblong	7/16"
600032	Cage, square	1/2"

Shake-proof Washers

Internal Star	Hole Size	External Star
WF704061	No. 6	WE704061
WF702101	3/16"	WE702101
WF600041	1/4"	WE600041
WF600051	5/16"	WE600051
WF600061	3/8"	WE600061
WF600071	7/16"	WE600071
WF600081	1/2"	WE600081
WF600091	9/16"	WE600091
WF600101	5/8"	WE600101

Spring Type Locking Washers

Single Coil	Hole Size	Double Coil
WL700061	No. 6	N/A
WL700081	No. 8	N/A
WL700101	3/16"	AJD7721
GHF331	1/4"	AJD7722
GHF332	5/16"	AJD7731
GHF333	3/8"	AJD7742
GHF334	7/16"	N/A
GHF335	1/2"	N/A
GHF336	5/8"	N/A

Plain Washers

Standard Type	Hole Size	Repair Type
N/A	No. 6	WP3
N/A	No. 8	WP4
GHF306	3/16"	WP5
GHF300	1/4"	WP120
GHF301	5/16"	WP105
GHF302	3/8"	WP130
GHF303	7/16"	WM69
GHF304	1/2"	N/A
N/A	9/16"	WP12
N/A	5/8"	PWZ110

Sealing Washers

Fibre Washer	Hole Size	Copper Washer
WF505	3/16"	N/A
GHF342	1/4"	GHF361
GHF343	5/16"	GHF362
GHF344	3/8"	GHF363
GHF345	7/16"	GHF364
GHF346	1/2"	GHF365
GHF347	9/16"	N/A
GHF348	5/8"	N/A

Studs

A stud is a length of round bar threaded at both ends. The length of thread at each end of the stud may vary for specific applications.

The following studs have fine (UNF) threads at one end and course (UNC) at the other.

Part Number	Diameter	Overall Length
TE504081	1/4"	1"
TE504131	1/4"	1 5/8"
TE505091	5/16"	1 1/8"
TE505111	5/16"	1 3/8"
TE505121	5/16"	1 1/2"
TE505131	5/16"	1 5/8"
TE505141	5/16"	1 3/4"
TE505151	5/16"	1 7/8"
TE505161	5/16"	2"
TE505181	5/16"	2 1/4"
TE505201	5/16"	2 1/2"
TE505221	5/16"	2 3/4"
TE505241	5/16"	3"
TE505261	5/16"	3 1/4"
TE505271	5/16"	3 3/8"
TE505281	5/16"	3 1/2"
TE505341	5/16"	4 1/4"
TE506101	3/8"	1 5/16"
TE506131	3/8"	1 5/8"
TE506141	3/8"	1 3/4"

Studs Continued...

Part Number	Diameter	Overall Length
TE506161	3/8"	2"
TE506201	3/8"	2 1/2"
TE506361	3/8"	3 1/2"

The following list is of studs have fine (UNF) threads at both ends.

Part Number	Diameter	Overall Length
TE604081	1/4"	1"
TE604091	1/4"	1 1/8"
TE604101	1/4"	1 1/4"
TE605101	5/16"	1 1/4"
TE605111	5/16"	1 3/8"
TE605121	5/16"	1 1/2"
TE605131	5/16"	1 5/8"
TE605141	5/16"	1 3/4"
TE605151	5/16"	1 7/8"
TE605181	5/16"	2 1/4"
TE605201	5/16"	2 1/2"
TE605221	5/16"	2 3/4"
TE605251	5/16"	3 1/8"
TE605291	5/16"	3 5/8"
TE606101	3/8"	1 1/4"
TE606111	3/8"	1 3/8"
TE606121	3/8"	1 1/2"
TE606141	3/8"	1 3/4"
TE606151	3/8"	1 7/8"

The following studs have course (UNC) threads at both ends.

Part Number	Diameter	Overall Length
101442	3/8"	1 5/8"
058688	3/8"	1 11/16"
115696	3/8"	1 13/16"
058917	3/8"	1 15/16"
102474	3/8"	2 1/16"
107055	3/8"	2 3/8"

Dowels

Part Number	Diameter	Overall Length
DP204	1/8"	1/4"
DP205	1/8"	5/16"
DP306	3/16"	3/8"
DP407	1/4"	7/16"
DP408	1/4"	1/2"
DP410	1/4"	5/8"
DP411	1/4"	11/16"
DP414	1/4"	7/8"
DP508	5/16"	1/2"
DP514	5/16"	7/8"
DP608	3/8"	1/2"
DP610	3/8"	5/8"
DP610	3/8"	1 3/16"

Clevis Pins

(Measured from under head to end).

Part Number	Length	Diameter
108326	1/2"	1/8"
PJ8504	3/8"	3/16"
CLZ307	7/16"	3/16"
CLZ308	1/2"	3/16"
CLZ309	9/16"	3/16"
CLZ310	5/8"	3/16"
CLZ311	11/16"	3/16"
CLZ312	3/4"	3/16"
CLZ313	13/16"	3/16"
CLZ314	7/8"	3/16"
CLZ315	15/16"	3/16"
CLZ316	1"	3/16"
CLZ317	1 1/16"	3/16"
N/A	3/8"	1/4"
N/A	7/16"	1/4"
CLZ408	1/2"	1/4"
CLZ409	9/16"	1/4"
CLZ410	5/8"	1/4"
CLZ411	11/16"	1/4"
CLZ412	3/4"	1/4"

Clevis Pins Continued...

Part Number	Length	Diameter
CLZ413	13/16"	1/4"
CLZ414	7/8"	1/4"
CLZ415	15/16"	1/4"
CLZ416	1"	1/4"
CLZ417	1 1/16"	1/4"
CLZ427	1 11/16"	1/4"
N/A	1/2"	5/16"
N/A	9/16"	5/16"
CLZ510	5/8"	5/16"
CLZ511	11/16"	5/16"
CLZ512	3/4"	5/16"
CLZ513	13/16"	5/16"
CLZ514	7/8"	5/16"
CLZ515	15/16"	5/16"
CLZ516	1"	5/16"
CLZ517	1 1/16"	5/16"
CLZ518	1 1/18"	5/16"

Split Pins

Part Number	Length	Diameter
GHF500	1 1/2"	1/16"
GHF501	1 1/2"	5/64"
GHF502	1 1/2"	3/32"
GHF503	2 1/4"	7/64"
GHF504	2 1/4"	1/8"
GHF505	2 1/4"	9/64"
GHF506	2 1/4"	5/32"
GHF513	3"	5/16"

Brake & Fuel Pipe
(Supplied in 25 foot rolls).

Part Number	Material	Diameter
MPKF125	Cupro-nickel	3/16"
MPKF225	Cupro-nickel	1/4"
MPKF325	Cupro-nickel	5/16"
EF125	Steel	3/16"
EF225	Steel	1/4"
EF325	Steel	5/16"

Grease Nipples

Part Number	Thread Size	Angle
UHN400	1/8" BSP	straight, short
UHN445	1/8" BSP	450 angle
LN30041	1/8" BSP	900 angle
144825	1/8" BSP	straight, long
056935	1/4" BSP	straight
125361	1/4" BSP	450 angle
056934	1/4" BSP	900 angle

Pipe Nuts - Male, Steel

Part Number	Thread Size	Pipe Bore
TM606031	3/8" UNF	3/16"
TM110051	10mm x 1mm	3/16"
LK21994	3/8" BSF	3/16"
BCA4370	7/16" UNF	3/16"
BHA4706	7/16" UNF	1/4"
AUSU40A	1/2" UNF	5/16"

Pipe Nuts - Male, Brass

Part Number	Thread Size	Pipe Bore
AEHU1	3/8" UNF	3/16"
AEHU2	10mm x 1mm	3/16"
AEHU3	3/8" BSF	3/16"
AEHU7	7/16" UNF	1/4"

Pipe Nuts - Female, Steel

Part Number	Thread Size	Pipe Bore
TN606031	3/8" UNF	3/16"
SU2A	10mm x 1mm	3/16"
SU4A	7/16" UNF	1/4"
HU41A	1/2" UNF	5/16"

Pipe Nuts - Female, Brass

Part Number	Thread Size	Pipe Bore
AEHU1A	3/8" UNF	3/16"
AEHU2A	10mm x 1mm	3/16"
AEHU4A	7/16" UNF	1/4"

Bleed Screws

Part Number	Thread Size
556508A	3/8" UNF
608400A	10mm metric
27H7166	3/8" BSF

Pipe Clips

Part Number	Capacity
GHF1191	SINGLE, 3/16"
GHF1192	SINGLE, 1/4"
624155	DOUBLE, 3/16"

Petrol Pipe Clips (Metric)
(‘Enots’ Type).

Part Number	To Suit Diameter
GGT1108X	8mm
GGT1109X	9mm
GGT1110X	10mm
GGT1111X	11mm
GGT1112X	12mm
GGT1113X	13mm
GGT1114X	14mm
GGT1115X	15mm
GGT1116X	16mm
GGT1117X	17mm

Hose Clips (‘Jubilee’ Type)
Mild Steel (Imperial).

Part Number	To Suit Diameter
GHC304	3/8" - 1/2"
GHC405	7/16" - 5/8"
GHC406	1/2" - 3/4"
GHC507	5/8" - 7/8"
GHC608	3/4" - 1"
GHC709	5/8" - 1 1/8"
GHC811	1" - 1 3/8"
GHC913	1 1/8" - 1 5/8"
GHC1015	1 3/8" - 2"
GHC1217	1 1/2" - 2 1/4"
GHC1622	2" - 2 3/4"
GHC2228	2 3/4" - 3 1/2"
GHC2632	3 1/4" - 4"
GHC3036	3 3/4" - 4 1/2"
GHC3340	4 1/8" - 5"

Hose Clips (‘Jubilee’ Type)
Stainless Steel (Metric)

Part Number	To Suit Diameter
GHC10408	8 - 12 mm
GHC10410	12 - 18 mm
GHC10411	8 - 16 mm
GHC10412	12 - 20 mm
GHC10413	16 - 25 mm
GHC10414	20 - 32 mm
GHC10415	25 - 40 mm
GHC10416	32 - 50 mm
GHC10417	46 - 60 mm
GHC10418	50 - 70 mm
GHC10419	60 - 80 mm
GHC10420	70 - 90 mm
GHC10421	80 - 100 mm

Hose Clips (‘Supergrip’ Type)
(With single slotted hexagon head)

Part Number	To Suit Diameters
CS4009	7/16" - 9/16"
CS4011	1/2" - 11/16"

Hose Clips ('Supergrip' Type) Continued...
(With single slotted hexagon head)

Part Number	To Suit Diameters
CS4012	9/16" - 3/4"
CS4013	5/8" - 13/16"
CS4014	11/16" - 7/8"
CS4016	3/4" - 1"
CS4017	13/16" - 1 1/16"
CS4018	7/8" - 1 1/8"
CS4020	1" - 1 1/4"
CS4022	1 1/8" - 1 3/8"
CS4023	1 1/4" - 1 7/16"
CS4024	1 5/16" - 1 1/2"
CS4025	1 3/8" - 1 9/16"
CS4026	1 7/16" - 1 5/8"
CS4028	1 9/16" - 1 3/4"
CS4029	1 5/8" - 1 13/16"
CS4030	1 11/16" - 1 7/8"
CS4032	1 7/8" - 2"
CS4034	1 15/16" - 2 1/8"
CS4036	2 1/16" - 2 1/4"
CS4037	2 1/8" - 2 5/16"
CS4038	2 3/16" - 2 7/16"
CS4039	2 1/4" - 2 7/16"
CS4040	2 5/16" - 2 1/2"
CS4041	2 3/8" - 2 9/16"
CS4042	2 7/16" - 2 5/8"
CS4048	2 13/16" - 3"
CS4052	3 1/16" - 3 1/4"

Original "Supergrip" clips were supplied with a with single slotted round-head screw. The modern replacement comes with a hexagon headed screw. For the authentic look we have resourced the original type screw, (sold separately).

CS4099 (round-head screw).

'P' Clips - Imperial

Part Number	Cable Diameter	Hole Size
PCR207	1/8"	7/32"
PCR307	3/16"	7/32"
PCR309	3/16"	9/32"
PCR311	3/16"	11/32"
PCR407	1/4"	7/32"
PCR409	1/4"	9/32"
PCR411	1/4"	11/32"
PCR507	5/16"	7/32"
PCR509	5/16"	9/32"
PCR511	5/16"	11/32"
PCR607	3/8"	7/32"
PCR609	3/8"	9/32"
PCR611	3/8"	11/32"
PCR707	7/16"	7/32"
PCR709	7/16"	9/32"
PCR711	7/16"	11/32"
PCR807	1/2"	7/32"
PCR809	1/2"	9/32"
PCR811	1/2"	11/32"
PCR813	1/2"	13/32"
PCR1007	5/8"	7/32"
PCR1009	5/8"	9/32"
PCR1011	5/8"	11/32"
PCR1207	3/4"	7/32"
PCR1209	3/4"	9/32"
PCR1211	3/4"	11/32"
PCR1407	7/8"	7/32"
PCR1409	7/8"	9/32"
PCR1411	7/8"	11/32"
PCR1607	1"	7/32"

'P' Clips - Metric

Part Number	Cable Diameter	Fixing Hole Size
CP105081	8mm	5mm
CP108101	10mm	8mm
CP108121	12mm	8mm
CP106161	16mm	6mm
CP108165	16mm	8mm

Steel Balls

Part Number	Diameter
BLS106	3/16"
BLS108	1/4"
BLS110	5/16"
BLS112	3/8"
BLS28	7/16"

Pop Rivets - Open End Type

Part Number	Diameter
RA607096	2.9 x 5mm
RA608126	1/8" x 3/16"
RA608176	1/8" x 1/4"
RA608236	1/8" x 5/16"
RA608253	1/8" x 3/8"

Pop Rivets - Closed End Type

Part Number	Diameter
RU608123	1/8" x 3/8"
RU608313	1/8" x 1/2"
RU612123	3/16" x 5/16"

Cable Ties

Part Number	Length
GHF1265	3 1/2"
GHF1266	5 1/4"
RTC222A	6"
GHF1267	8 3/4"
GHF1268	11"