

YOUR MINI SPARES CATALOGUE



mini  *spares*

The World Leader In Mini Spare Parts



Introduction

It's all about your Mini.

Welcome to the 2010 edition of Your Mini Spares parts catalogue

As the largest supplier of Mini Parts in the world we strive to keep your cars on the road, where they should be. With the highest quality, tried and trusted parts available. Where original Rover parts have become obsolete, we strive to find alternative suppliers or remanufacture to ensure the availability of the parts you need.

Where parts are supplied from the original source, the genuine part number is used and alternative parts are shown with unique Mini Spares part number.*

As an endorsement to our knowledge and the quality of the parts we stock, we were original suppliers to Rover and still stock or manufacture these parts where possible.

Our website is constantly being updated with better descriptions, electronic parts lists, chat lines and features to give you the information you need and to make buying parts as easy as possible.

*Part numbers are the unique and intellectual property of either Mini Spares Centre Ltd or BMW.



Website

www.minispares.com

Our website has easy navigation & search to help you find your part from the 7,000 parts available online.

- Online secure shop
- Articles
- Forum
- Tech tips
- Online catalogues
- Competitions
- Emailed updates & special offers



Order online

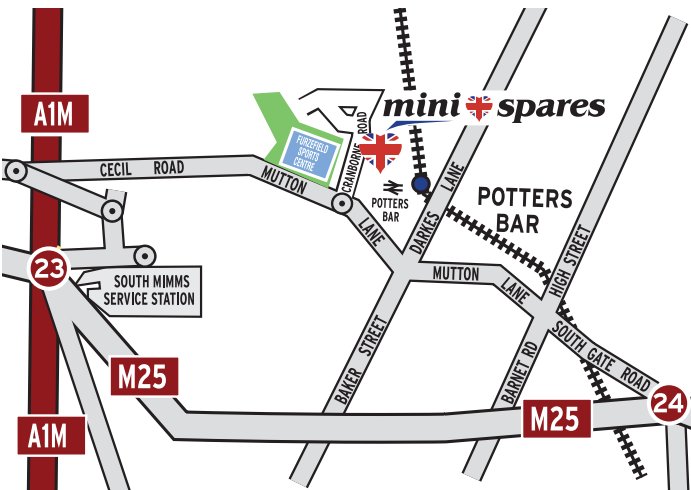
Mini Spares Head Office Potters Bar
Shop, Mail Order & Distribution Centre Tel: 01707 607 700



Order by phone



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Mini Spares - North Harrogate



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Suspension



Brakes



Wheels



Cooling



Fuel



Filteration



Carburation



Manifolds



Exhausts



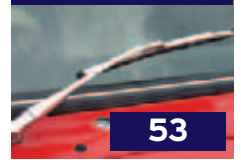
Powertrain



Electrics



Wipers



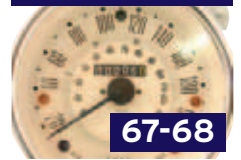
Fitting & Trim



Body



Guages



Dash



Knobs



Steering



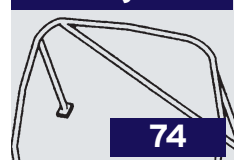
Liners



Carpets



Cages



Seats



Tools



Decals



Badges



Accessories



DVDs -Books



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M5 JUNCTION 2
 Oldbury & Dudley

1 Suspension Kits With Dampers



Adjustable Damper Suspension Kit

The following damper and adjustable suspension kits all contain the famous original HILO RAC homologated kit but are available with the budget kit C-STR644 except for the lowered Damper types. The reason for this is that the C-STR644 kit does not lower as much as the HILOs making these particular kits impractical. To order kits with the C-STR644 instead of the HILO, add the suffix A to the end of the part number.



1. Complete camber and tracking kit with AGX Evolution dampers.
 - a. with HILOs. Order kit as MSSK3012
 - b. with budget C-STR644 Order kit as MSSK3012A
2. AGX Evolution dampers kits.
 - a. with HILOs. Order kit as MSSK3011
 - b. with budget C-STR644. Order kit as MSSK3011A
3. Gaz adjustable dampers kit.
 - a. standard height with HILOs. Order kit as MSSK3000
 - b. standard height with budget C-STR644. Order kit as MSSK3000A
 - c. lowered height with HILOs. Order as kit MSSK3001
 - d. lowered height with budget C-STR644. Order as kit MSSK3001A
4. 50th Anniversary Mini Spares Spax adjustable dampers.
 - a. Standard height with HILOs. Order kit as MSSK3005
 - b. Standard height with budget C-STR644. Order kit as MSSK3005A
 - c. Lowered height with HILOs. Order as MSSK3006

Non Adjustable Damper Type Kit

8. Kayaba Self adjusting Gas standard height dampers.
 - a. with HILOs. Order kit as MSSK3004
 - b. with budget C-STR644 Order kit as MSSK3004A
9. Kayaba Gas upgrade standard height dampers.
 - a. with HILOs Order kit as MSSK3003
 - b. with budget C-STR644 Order kit as MSSK3003A



Adjustable Suspension Cones

Known as a budget adjustable suspension cone these are a compromise for the real original Hilos.

Made by Mini Spares in the UK to their usual high standards these are superior to the copies found elsewhere that do not adjust as low and have poor threads.

In machined alloy to a basic shape with a flat base for the suspension cone spring rubber they will oxidise with time. Supplied as a full kit of 4 adjustable cones and 2 rear struts The original Hilo being cast has a specific shape where the suspension cone spring rubber sits to improve road holding .Mini Spares true Hilos are the only type ever homologated for motor sport use.

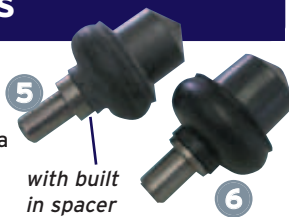
10. a. Pair HILO suspension cones Order as HILO
- b. Car set HILO suspension cones and alloy rods. Order as HILO-SET
11. Pair rear alloy rods and 2 strut plugs . Order as HILO-01
12. Adjusting hexagonal rod (if required).
 - a. Front 40cm long Available as required HILO-02
 - b. Rear 50.5cm long Available as required HILO-03



Suspension Knuckles

Vehicles from 1990 on, have a knuckle joint GSV1264 fitted to the front only which raises the suspension for extra clearance. The knuckle joint (item 5) has a built in spacer as shown and should be replaced by item 6 the original when fitting HILOs.

5. Knuckle with built in spacer as fitted to front only from 1990 on..... Order as GSV1264
6. a. Genuine original type knuckle for pre 1990 front & all rear. Order as GSV1118
- b. Mini Spares original type knuckle for pre 1990 front & all rear. Order as GSV1118MS
7. Rubber gaiter and plastic knuckle seat are available individually.
 - a. Rubber Gaiter Order as 21A425
 - b. Plastic knuckle seat Order as 21A423MS



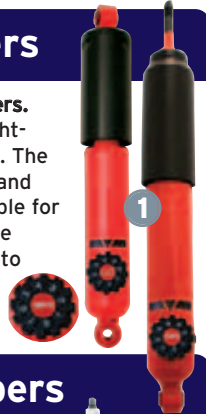
13. Known as a budget adjustable suspension cone these are a compromise for the real original HILOs. Made by Mini Spares in the UK to their usual high standards these are superior to the copies found elsewhere that do not adjust as low and have poor threads. In machined alloy to a basic shape with a flat base for the suspension cone spring rubber they will oxidise with time. Supplied as a full kit of 4 adjustable cones and 2 rear struts. The original HILO being cast has a specific shape where the suspension cone spring rubber sits to improve road holding .Mini Spares true HILOs are the only type ever homologated for motor sport use.
 - a. Four budget cones with a pair of rear alloy rods. Order as C-STR644
 - b. Four budget cones with a pair of rear alloy rods and four GSV1118MS knuckle joints Order as C-STR644A





Evo Performance Dampers

- New Eight Point Twin Tube Adjustable Dampers.** Redesigned AGX Evolution easy to set up eight-point adjustable twin type gas-filled dampers. The eight-point dial feature makes for both easy and extremely accurate on-car adjustment. Suitable for standard height cars, the dampers can also be used on cars which have been lowered by up to 35mm from original suspension height.
 - Front. Order individually as 743039
 - Rear. Order individually as 743040



Spax Performance Dampers

- 50th Anniversary Mini Spares / Spax Performance Dual Adjustable Damper.** Now Krypton gas filled for better low speed ride and improved high speed performance over traditional oil emulsion dampers. For standard height and lowered cars. Recommended to be fitted in pairs but sold individually. Adjustable while on the car. All sold individually.
 - Front standard height Order as C-STR306
 - Front lowered height Order as C-STR304
 - Rear standard height Order as C-STR307
 - Rear lowered height Order as C-STR305
 - Rear std height for van Order as C-STR308
- Motorsport Clubman range damper** with competition valving and internals to suit weather and driving styles 28 point adjustment.
 - Front lowered height Order as G3275
 - Rear lowered height Order as G3276
- Special Softer Fitting (standard height) Spax knob adjustable** for softer setting on standard cars. The lowest setting is equivalent to standard dampers.
 - Front Spax Order as NGM1A
 - Rear Spax Order as NGM2A

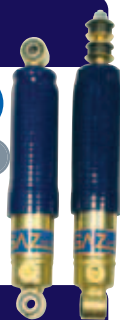


Gaz Performance Dampers

Gaz performance dampers as used by the Mini Spares sponsored Mighty Mini Race Series. Adjustable on the car.

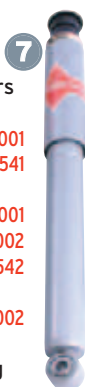


- Front std height Order individually as C-STN231
 - Rear std height Order individually as C-STN233
 - Front lowered height Order individually as C-STN236
 - Rear lowered height Order individually as C-STN237



Standard Dampers

- Standard replacement dampers**, either Unipart or Kayaba premium upgrade. Kayaba are the largest and probably best suppliers of original equipment to car manufacturers in the world. It is recommended to fit dampers in pairs.
 - Kayaba front Order individually as 442001
 - Unipart front Order individually as GSA71541
 - Kayaba front gas upgrade. Order individually as 342001
 - Kayaba rear. Order individually as 442002
 - Unipart rear. Order individually as GSA71542
 - Kayaba rear gas upgrade. Order individually as 342002
- Kayaba gas pressurised, self-adjusting dampers.** Very effective and cost efficient slim body upgrade offering all weather, all temperature consistency for road cars. We recommend fitting in pairs.
 - Gas a-just front. Order individually as 552018
 - Gas a-just rear Order individually as 552019
 - Gas a-just car set. Order car set as MSSK3015



Damper Fittings



- Damper eyelet bush for Spax / Gaz.** Order individually as SPAX-EYE
- Rear damper upper bush kit** Order individually as C2542
- Rear damper top thread protection bush.** Order individually as 21A640
- Standard replacement top damper bracket.**
 - R/H top bracket. Order as 21A471
 - L/H top bracket. Order as 21A474
- Top damper bracket for cars with lowered suspension.** Maintains rear upright position required for retaining maximum efficiency, available in pairs only Order as C-AJJ3359
- Upgraded EN8 lower damper pin.** Order as C-AJJ3361

Rubber Suspension Cones

- In the past, there were two alternative rubber cones to the standard one** - (which were red or blue spot). The first was produced at the request of BL's ST Department. These were considerably harder than standard and were developed to cope with the extra weight carried by the rally cars. The second was slightly uprated, but a more progressive cone, originally fitted to the Hatchback Innocenti 90/120. Proven to give a superior handling characteristic, Mini Spares have enhanced it further using a selective consistent balanced rubber mix and cooling procedure to get far more consistent spring rates. This provides better working rubber to help reduce body roll as the ultimate cone spring for road and race. Used on Keith Dodd's twin point for the last 5 years. These are more expensive than the standard type because of the specially optimised manufacturing.
- This shaped cone has a progressive balanced spring rate** and when fitted initially sits higher than the standard original cones, HILO's will be required.
 - Road and rally - red spot Order as C-STR687
 - Tarmac race only - yellow spot Order as C-STR688
- Standard cone spring.** Order as FAM3968
- Bump stop to fit nut on rear cone**, only required on late subframe 1992 on when rear wheels foul or ERA cars. Order as ERA1190
- Nut for holding bump stop to cone spring** Order as GM038P



Bump Stops

- Bump stop fits on subframe under upper arm** Order as 2A4267MS
- Rear hydroelastic large dome bump stop** Order as 21A1520
- Rear hydroelastic flat dome rebound buffer** Order as 21A1517
- Front hydroelastic bump stop** Order as 21A1598
- Front dry bump stop pre 1976** (twin bolt) Order as 2A4332
- Front bump stop 1976 on** (single bolt) Order as FAM2764
- Front bump stop 1976 on** (made in poly with lower flat top) Order as FAM2764MS
- The rearward pitch under hard acceleration can be minimised by fitting a progressive bump stop kit.** Improves handling when fully laden. Developed for hydroelastic cars but often modified to fit dry suspension. Front bump stop kit Order as C-AJJ4007
- Rear progressive bump stop kit.** Originally developed for hydroelastic cars but often modified by customers to fit dry suspension. Order as C-AJJ3313
- Rubbers to fit either kit** are available separately. Order as AHH7074 (same as the MGB)



3 Suspension



Coil Over Kits

SPAX coil over kit parts are available separately, dampers, springs or front brackets. The cheapest way to purchase the SPAX complete car set is by ordering as RSX519 or RSX520 kits, for road/competition.

Mini Spares Spax dampers/coil spring sets are for road use and limited tarmac competition events. If used for off road or rough terrain, strengthening modifications will need to be made. Fits most standard 10", 12" and 13" wheels but wide tyres must be checked for clearance and spacers added when required. Full fitting instructions with complete kits.

1. a. Standard height kit. Full car set. Order as RSX519
- b. Rear damper/coil set std. 2 x rear. Order as CK23
- c. Front bracketry kit. 2 x brackets. Order as CK25
- d. Front damper/coil std. kit. 2 x front. Order as CK26
- e. Cars 1" (25mm) lowered kit. Full car set. Order as RSX520
- f. Rear damper/coil set lowered. 2 x rear. Order as CK24
- g. Front bracketry kit. 2 x brackets. Order as CK25
- h. Front damper/coil lowered kit. 2 x front. Order as CK27

2. When the Mini suspension was designed over 50 years ago with rubber cones it was innovative and successful but not very suitable for today's driving. Softer cones in different shapes have proven to give a more comfortable ride but at detriment to the handling. Within the confines of the Mini suspension the Mini Spares full coil over kit eliminates the rubber cones and provides a good alternative. Another alternative is the coil spring cone conversion, which is a direct replacement for the rubber cone. Made out of top quality spring wire to eliminate compressing after a few years usage they have been used on the road in Japan and

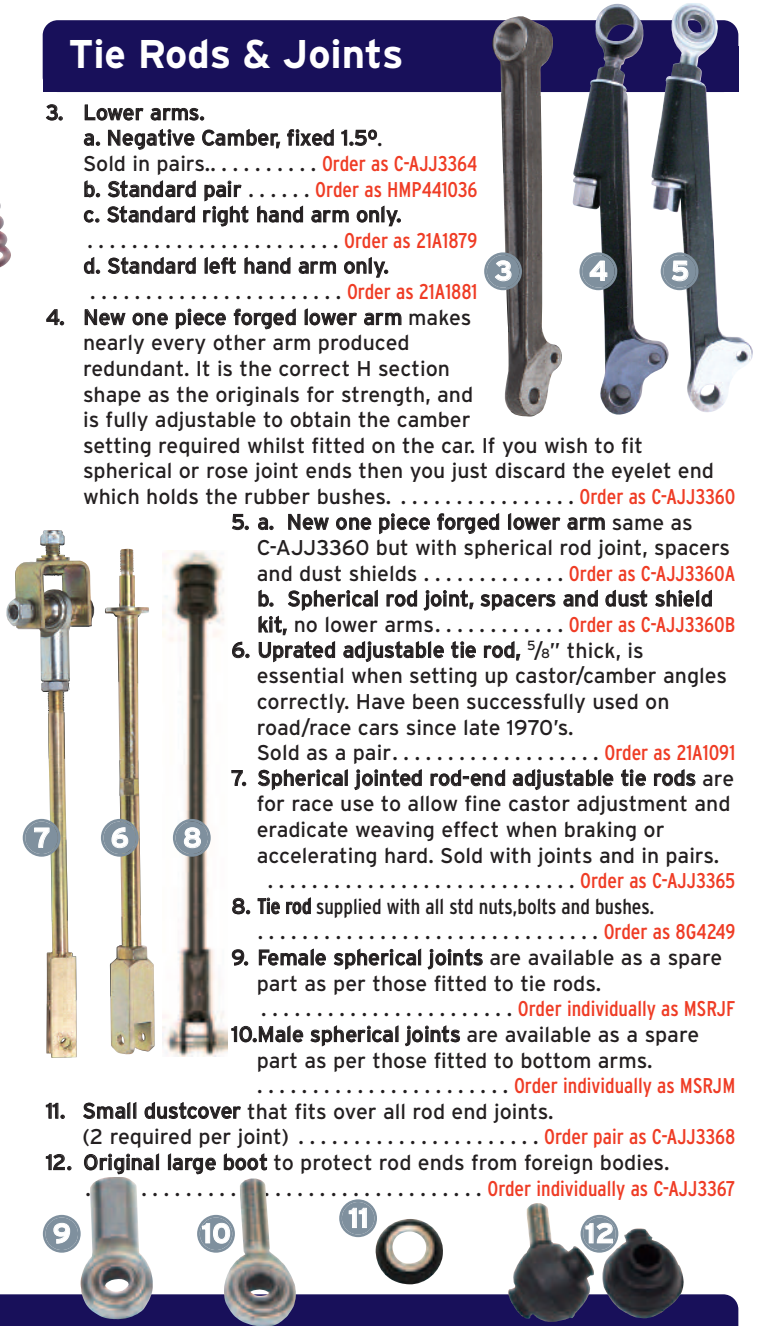
the USA for some time, however Mini Spares offer them only for Race use on tarmac where the suspension must be professionally set up. Not suitable for undulating tarmac (rough roads)

- Coil spring cone conversion.** Available in three spring rates.
- a. For softer rate (Blue). Order as C-SRP100
 - b. For firm rate (Red). Order as C-SRP200
 - c. For competition spec rate. (orange or green) .. Order as C-SRP250



Tie Rods & Joints

3. Lower arms.
 - a. Negative Camber, fixed 1.5°. Sold in pairs. Order as C-AJJ3364
 - b. Standard pair Order as HMP441036
 - c. Standard right hand arm only. Order as 21A1879
 - d. Standard left hand arm only. Order as 21A1881
4. New one piece forged lower arm makes nearly every other arm produced redundant. It is the correct H section shape as the originals for strength, and is fully adjustable to obtain the camber setting required whilst fitted on the car. If you wish to fit spherical or rose joint ends then you just discard the eyelet end which holds the rubber bushes. Order as C-AJJ3360
5. a. New one piece forged lower arm same as C-AJJ3360 but with spherical rod joint, spacers and dust shields Order as C-AJJ3360A
- b. Spherical rod joint, spacers and dust shield kit, no lower arms. Order as C-AJJ3360B
6. Uprated adjustable tie rod, 5/8" thick, is essential when setting up castor/camber angles correctly. Have been successfully used on road/race cars since late 1970's. Sold as a pair. Order as 21A1091
7. Spherical jointed rod-end adjustable tie rods are for race use to allow fine castor adjustment and eradicate weaving effect when braking or accelerating hard. Sold with joints and in pairs. Order as C-AJJ3365
8. Tie rod supplied with all std nuts, bolts and bushes. Order as 8G4249
9. Female spherical joints are available as a spare part as per those fitted to tie rods. Order individually as MSRJF
10. Male spherical joints are available as a spare part as per those fitted to bottom arms. Order individually as MSRJM
11. Small dustcover that fits over all rod end joints. (2 required per joint) Order pair as C-AJJ3368
12. Original large boot to protect rod ends from foreign bodies. Order individually as C-AJJ3367



Tie Bar & Arm Geometry Set

13. To get the best handling from your car it is imperative to equalise any setting side to side. Adjustable heavy duty tie rods are for getting castor angles correct and lower adjustable arms will correct or change camber angles. There is no point fitting rear alignment brackets unless the front geometry as stated is corrected.

Contents of Front Geometry Kits

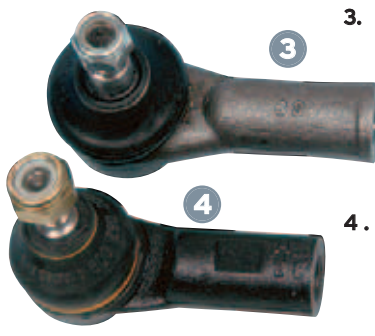
Order Front Geometry Kit as	Forged lower arms	Adjustable tie rods	Adjustable camber and tracking brackets See page 6 for more details	Bushes	Bushes	Extra fitting items
21A1092	n/a	21A1091	n/a	n/a	C-STR627	All nuts & washer required 53K1031, PWZ207, 2A4328, GFK3224, GFK3212, GFK1125
MSSK3008	C-AJJ3360	21A1091	n/a	C-STR632	C-STR627	n/a
MSSK3013	C-AJJ3360	21A1091	MS73	C-STR632	C-STR627	n/a
MSSK3007	C-AJJ3360	21A1091	MS73	n/a	n/a	n/a
MSSK3013A	C-AJJ3360	21A1091	MS73	n/a	C-STR627	Spherical joint MSRJM Dust cover C-AJJ3368 Rose joint spacer AN1372
MSSK3014	C-AJJ3360	21A1091	MS70	C-STR632	C-STR627	Shims CK17



Upper Arm Rebuild Kit

- 
1. Upper arm rebuild kit for front suspension contains shaft, bearings, seals, thrust washers as shown, per arm.
Order each side separately as MSK001
 2. Upper arm dry suspension only.
a. right hand Order as 21A2690
b. left hand Order as 21A2691
Note: Only has roller bearings fitted

Track Rod Ends

- 
3. Longer track rod ends are for use on lowered cars or cars with negative camber where the original has insufficient thread for the standard rod end to screw safely onto steering rack. Also fits Midget and Sprite.
..... Order individually as C-AJJ1572
 4. a. Track rod end for steering rack. Genuine. . . Order individually as GSJ1106
b. Track end as above, but non genuine.
..... Order individually as GSJ734MS

Steering Racks

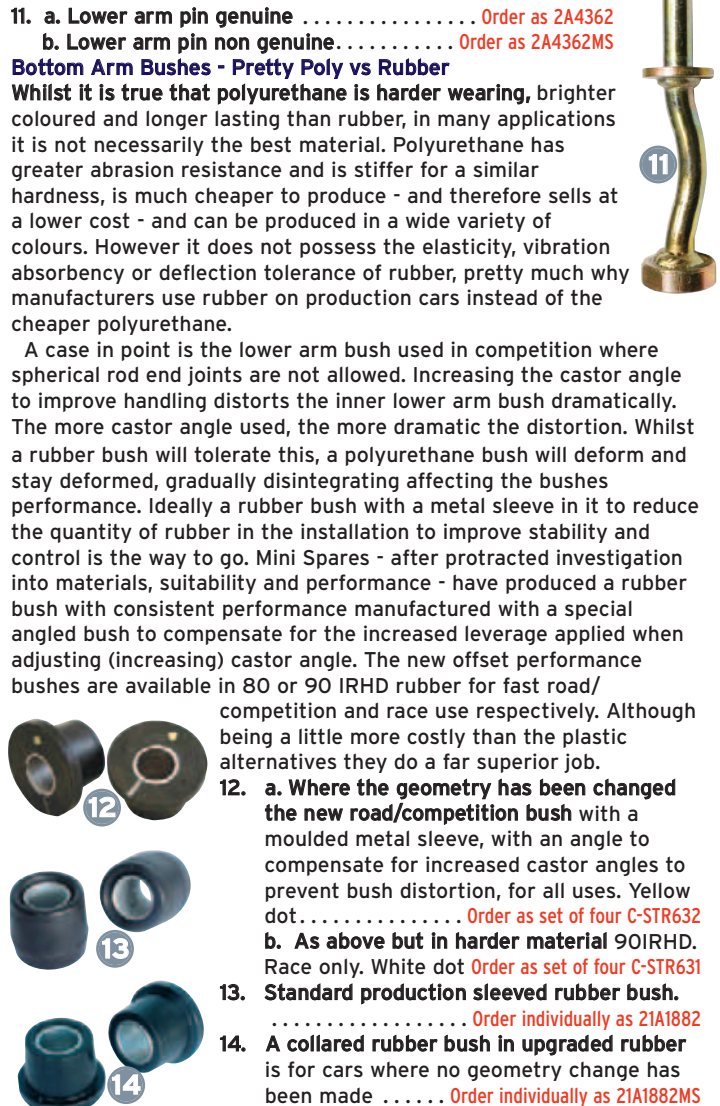
- 
5. a. NEW Quick rack 2.2 turns lock to lock as (opposed to 2.7) for competition, MK2 on.
R/H/D Order as C-AJJ1570
L/H/D Order as C-AJJ1571
b. New standard steering rack, MK2 on.
R/H/D Order as FAM7306
L/H/D Order as FAM7307
c. Exchange steering rack, MK2 on R/H/D. Buy a completely reconditioned rack from a leading automotive manufacturer. Refundable surcharge of £30.00 on old rack.
..... Order as FAM7306MS

Steering Rack Gaiter Kits


Over the last 50 years there has been significant changes in manufacturers of steering racks, which have used these three common types of gaiter kits.

- 
6. a. 4 1/2" long approx. Genuine with clips Order as GRG205
b. 4 1/2" long approx. Non Genuine with clips Order as BHM7113
 7. 6 1/2" long approx. Where the two rack ends are different diameters (as shown) Order as GSV1004
 8. Upper steering column plastic bush. to 1996. Genuine. . . Order as GSV1095
 9. Lower steering felt bush. 1959 - 1985 Order as GSV1127
 10. Lower steering column plastic bush. 1985 - 1996 Order as NAM8563

Lower Arm Pin and Bushes

- 
11. a. Lower arm pin genuine Order as 2A4362
b. Lower arm pin non genuine. Order as 2A4362MS
- Bottom Arm Bushes - Pretty Poly vs Rubber**
Whilst it is true that polyurethane is harder wearing, brighter coloured and longer lasting than rubber, in many applications it is not necessarily the best material. Polyurethane has greater abrasion resistance and is stiffer for a similar hardness, is much cheaper to produce - and therefore sells at a lower cost - and can be produced in a wide variety of colours. However it does not possess the elasticity, vibration absorbency or deflection tolerance of rubber, pretty much why manufacturers use rubber on production cars instead of the cheaper polyurethane.
- A case in point is the lower arm bush used in competition where spherical rod end joints are not allowed. Increasing the castor angle to improve handling distorts the inner lower arm bush dramatically. The more castor angle used, the more dramatic the distortion. Whilst a rubber bush will tolerate this, a polyurethane bush will deform and stay deformed, gradually disintegrating affecting the bushes performance. Ideally a rubber bush with a metal sleeve in it to reduce the quantity of rubber in the installation to improve stability and control is the way to go. Mini Spares - after protracted investigation into materials, suitability and performance - have produced a rubber bush with consistent performance manufactured with a special angled bush to compensate for the increased leverage applied when adjusting (increasing) castor angle. The new offset performance bushes are available in 80 or 90 IRHD rubber for fast road/competition and race use respectively. Although being a little more costly than the plastic alternatives they do a far superior job.
12. a. Where the geometry has been changed the new road/competition bush with a moulded metal sleeve, with an angle to compensate for increased castor angles to prevent bush distortion, for all uses. Yellow dot. Order as set of four C-STR632
b. As above but in harder material 90IRHD. Race only. White dot Order as set of four C-STR631
 13. Standard production sleeved rubber bush. Order individually as 21A1882
 14. A collared rubber bush in upgraded rubber is for cars where no geometry change has been made Order individually as 21A1882MS

Tie Bar Bushes

- 
- The same research program has encompassed the tie bar bushes. A well known fact amongst competition car drivers is that the outer bush needs to be hard to stop weaving when braking, increasing car stability.
- a. Our new kit therefore contains 2 hard outers and 2 softer inners. If too hard a material is used it can result in the threaded end of the tie bar (which is narrower) breaking off. This car set kit will suit any Mini for any pursuit from road to race. Order as C-STR627
 - b. The standard rubber tie rod bush as also used on all our engine stabiliser kits Order individually as 31G1155

Steering Arms

- 
- Standard steering arms fit all MK2 Minis from 1967 on and the thicker style were fitted to Copper 'S' MK2, MK3 and 1275GT models. The thicker type can be fitted as an alternative in pairs.
16. a. Standard steering arm RH Order as BTA896
b. Standard steering arm LH Order as BTA897
 17. a. Upgraded steering arm RH Order as BTA894
b. Upgraded steering arm LH Order as BTA895



5 Suspension



Radius Arms

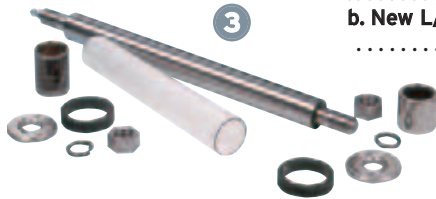


1. **Radius arm for vehicles with dampers** (known as dry suspension shock absorbers). Reconditioned complete with pins and necessary parts ready to fit.

- a. **Reconditioned R/H complete.** Order as TRA33
 - b. **Reconditioned L/H complete.** Order as TRA32
- Sold on exchange basis. Refundable surcharge £50.00

2. **New radius arm only**, supplied complete with kit No. 3 GSV1125.

- a. **New R/H arm only.** Order as NAM7162KIT
- b. **New L/H arm only.** Order as NAM7163KIT



3. **All the parts for reconditioning your own arms.** The brass/bronze bush at the wheel side requires reaming. Sold as a kit per arm. Order as GSV1125

4. **Rubber grommet for grease hole**, on item no. 5. Order as 14A7081

5. **Rear protection shroud** to cover radius arm grease nipple area. (grommet not included).
 a. **Left hand** Order as 14A6616
 b. **Right hand** Order as 14A6615



Alloy Rear Subframe Section

6. **This rear subframe replacement box section is manufactured from an extruded aluminum alloy** for inherent strength and consistency of dimensions,

whilst being as light as possible. Its design also allows easy alterations to both camber and tracking. Supplied in its natural finish, it is possible to paint it or plastic coat it if desired. Using coil-over dampers specifically designed for the Mini with the offset-pin top mount, body modifications are generally not needed as this positions the damper body and coil away from the inner wheel arch. If conventional coil-over dampers are used, it will be necessary to modify the inner wheel arch. This product is suitable for road, rally, and race use. Order as CK22

7. **Rear tracking shims for above CK22.** These 0.020" thick stainless steel shims are slotted to go either side of the bolts between the radius arm brackets and box section. (See also CK17, No.27 on page 6)..... Order individually as CK18



Hydrolastic Pipes

8. **Nylon flexible hydrolastic pipe** tested to 1200 PSI replacement for genuine steel type which can be run inboard. Approximate length 10'9".... Order as FSP3

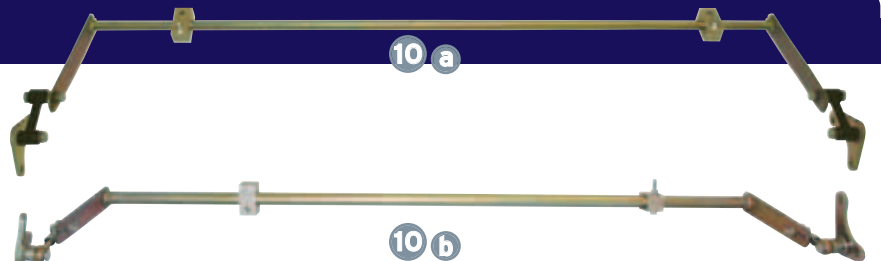
9. **Original shape metal hydrolastic pipe.**
 a. **Original shape metal hydrolastic pipe for R/H** Order as 21A1575
 for L/H Order as 21A1577
 b. **Easy bend in metal**, but split into two parts for easy fitment. Not sided. Order as FSP4



Anti Roll Bars

Anti-roll (sway) bars are effectively a length of either solid steel rod or tube mounted across the car in mountings generally fixed to the chassis at either front or rear, and sometimes both. An arm at each end links the bar to each wheel, so when the car rolls in a corner, the bar has to be twisted before one wheel can rise and the other fall. The resistance offered by the bar controls weight transfer and reduces body roll, thus improving cornering speed by altering under or over-steer. A very powerful instrument, it can have more beneficial effects than simply fitting stronger cone springs, because the Mini has very limited options.

A few years back Mini Spares undertook a re-development programme to improve the bars performance as well as improve fitability irrespective of handbrake actuating lever length, damper size or exhaust type used. By replacing the simple bent bar with a more compact bar and blade deflection, it provided a lighter unit with reduced lever arm deflection. Further enhanced by shorter drop links. The fixed rear bar uses a 0.50"(12.7mm) diameter steel rod with 3mm plate blades. To maximise efficiency, the only rubber bushes used are metalastic bushes in the drop links - unlike other kits that rubber mount the bar also. The adjustable rear bar uses a 0.75" (19mm) diameter steel rod with 4mm plate blades with spherical rod end drop links to give ultimate efficiency. Adjustment is via a series of holes along the blades. Both kits come complete with all necessary components for easy fitment.



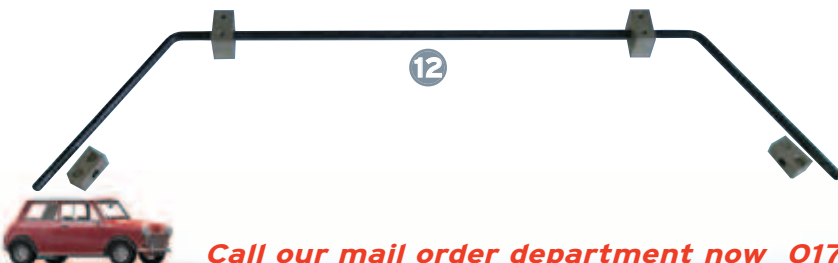
10. **a. Fixed rear anti-roll bar kit complete.** Ideal for road/light rally use. Order as C-AJJ4009

b. Adjustable rear anti-roll bar kit complete. Recommended for race use only. Order as C-AJJ4008

11. **Adjustable front anti roll bar, 3/4" race only** specialist suspension setting up required. Order as C-AJJ4006



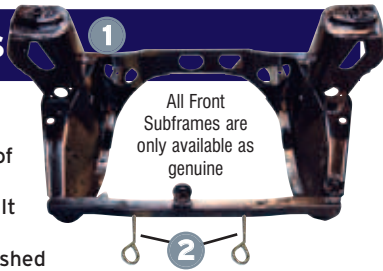
12. **Since 1990, all production Minis were fitted with slightly softer rubber suspension springs.** Although giving a slightly more comfortable ride in a straight line, they allow more body roll when cornering. To combat this and regain the status quo, we have developed this product to mount simply to the subframe and tie-rods without fouling on any under-pinnings. It's also serviceable on earlier cars, further enhancing the Mini's great handling. We do, however, highly recommend using it in conjunction with the C-AJJ4009 fixed rear anti-roll bar for maximum effect and balance. It's also advisable to correct any suspension geometry discrepancies. Order as C-AJJ4004



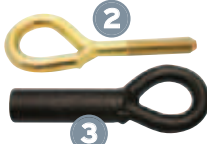


Front Subframes

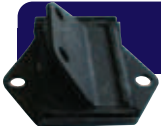
All the genuine subframes are assembled on the original jigs to ensure correct fit and alignment of parts to the car body to provide correct castor and camber angle. It has the correct amount and positioning of welds. They are finished in black electrocoat paint which is the only method of ensuring every internal and external part gets protection to provide longevity.



- Front subframe - dry suspension cars 1959-76 .. Order as 21A2570
 - Front subframe for cars with rubber mountings from 1976 to 1990 .. Order as KGB10022
 - Front subframe for 1275cc cars 1990 on .. Order as KGB10027
 - Front subframe for front mounted radiator, twin points only .. Order as KGB100500
- Towing eye hooks, replaces bolt that holds front subframe to front panel .. Order individually as 21A1241
- Towing eye hooks latest type .. Order individually as KPU100160



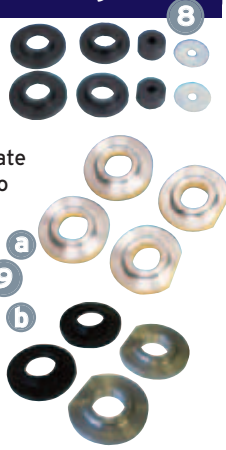
Subframe Mountings



- Rear of front subframe mounting.
 - Genuine .. Order individually as 21A2599
 - Non genuine .. Order individually as 21A2599MS
- Front tear drop mounting on front subframe.
 - Genuine .. Order individually as 21A2624
 - Non genuine .. Order individually as 21A2624MS
- Lower front subframe tower mount rubber centre bolt seal .. Order as KGE100050
- Upper front subframe tower mount rubber centre bolt seal .. Order as KGE100060

Front Subframe Solid Mountings

- Budget poly kit for tower and front of front subframe only .. Order as C-STR643
- The set of four alloy top front subframe mountings are to replace the standard rubbers fitted (to reduce noise) on vehicles from 1976 to 2000. These alloy pads eliminate subframe movement, which is detrimental to handling .. Order as C-STR640
- Super road subframe mounting kit. Car set of 2 alloy top and 2 poly lower to quieten the road noise but still reduce subframe movement, improving handling. .. Order as C-STR640A



- Front alloy cast mountings which will not break and also enhance road holding. These replace those troublesome front rubber mountings and compliment the top alloy mountings. These are also for vehicles built from 1976, and sold in pairs. When fitted with the top kit there is usually a small increase in noise level, but leave the rear rubber mounting as standard, or there will be a noticeable increase .. Order as C-STR641
- Rear solid brackets for front subframe. Cars 1976 on, ideal for racing or road if increased noise is not a consideration .. Order pair as C-STR642

Front Subframe Solid Mountings

These solid mount kits stop the front subframe from moving on post 1976 cars improving the car handling immensely.



- Poly bushes with solid rear brackets .. Order as MSSK3009
- All solid brackets .. Order as MSSK3010



Rear Subframe



- Rear subframes, Genuine are stamped MOWOG
 - Dry suspension rear subframe non genuine. .. Order as MS45D
 - Dry suspension rear subframe which uses rubber hanging straps 1992 on. Non genuine .. Order as MS45LATE
 - Dry suspension rear subframe genuine .. Order as FAM6292
 - Dry suspension rear subframe with exhaust hangers 1992 on .. Order as KHB10023
 - Dry suspension rear subframe powder coated for longevity and looks .. Order as FAM6292MS
 - Subframe with fixing trunnions, standard bushes and metal exhaust hangers for rubber exhaust straps as per 1992 cars on. (items 16b, 17b-22 fitted). .. Order as KHB10024MS
 - Hydrostatic suspension rear subframe genuine .. Order as 21A2160
- Exhaust hanger rod. For early cars to fit 1992 on exhaust.
 - Front of rear subframe. Order as C-ARA670
 - Rear of rear subframe .. Order as C-ARA671

Rear Subframe Fixings



- Poly bush for rear subframe, small type sold as a set of four, competition only. .. Order as C-STR638
- Original rubber bush. Order individually as 2A5818MS
- Poly bush for rear subframe, large single bush type 1976 on, competition only. Sold as a pair .. Order as C-STR639
- Standard rubber bush, sold individually. .. Order as 21A2560



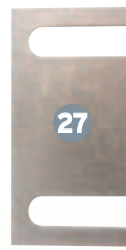
- Bracket for large bush, fitted to front from 1976 on .. Order as 21A2558
- Rear support pin.
 - Genuine .. Order individually as 21A1440
 - Non-Genuine .. Order individually as 21A1440MS
- Essential Bolt and Bush Kit.
 - 8 small rubber bush and bolt kit for pre 1976. .. Order as MS44
 - 4 small and 2 large rubber bushes and bolt kit for 1976 on. As shown. .. Order as MS43
 - As above b. but includes 2 each of no. 18 and 21 to fit all years .. Order as MS41



Camber Brackets



- Pair of rear camber brackets to give extra 1/2° negative camber over the standard setting .. Order as MS69
- Pair of adjustable rear camber brackets to adjust camber on rear suspension to suit individual requirements .. Order as MS70
- Pair of adjustable rear camber and tracking brackets. The ultimate for correcting suspension geometry giving infinite camber adjustment. .. Order as MS73
- Rear tracking shims. An alternative to MS73 is to use MS70 adjustable brackets, camber only and use these specially manufactured 0.020" stainless steel shim washers to alter the tracking. They insert between the vertical face of the outer radius arm bracket and the subframe giving permanent settings and ultimate strength for road use, yet can easily be added / removed in the workshop to predetermine settings for racers to give ease of use at the track. .. Order individually as CK17 For CK22 rear subframe section use CK18 shims.

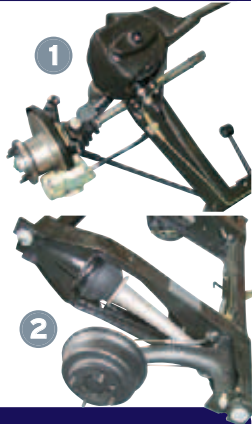


7 Driveshaft and Brakes



Complete Subframe Packages

1. a. Front subframe unit with suspension and running gear, rubber mounted 1976-96 complete as shown, ready to bolt on. Order as HMP241001
- b. As above but with subframe for twin point front mounted radiator 1996 on. Order as HMP241003
2. a. Rear subframe unit with suspension and running gear to fit any year (no brake limiter valve for early cars) single line brake cable as fitted 1976 on. Order as HMP241002
- b. Subframe only with fixing trunnions and standard bushes, 1992 on. Order as KHB10024MS



Driveshafts



A full range of upgraded and replacement driveshafts are available for every known requirement. Specials can be made to order. The picture shows the driveshafts often used on the original ST Abingdon works cars and Monte Carlo Rally cars. Problems of shaft breakage were overcome by not machining the large CV Joint retaining collar recess. In its place a collar was welded on to locate the CV Joint. The ST works also reduced the steering lock to eradicate over stressing of the shaft on full lock.

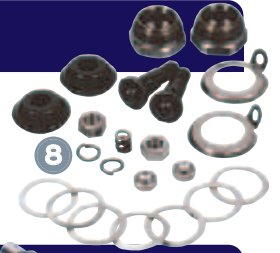
3. a. The driveshaft with collar for pre-pot joint gearboxes when Hardy Spicer joints or rubber couplings are used. Order as a pair C-BTA1267
- b. The same collared driveshafts but for pot joint gearboxes with inboard CV Joints (Pot Joints). Order as a pair C-BTA1268
4. Upgraded steel driveshafts with circlip grooves but upgraded to stop ends twisting are available for both pot joint and remote type. (not shown).
- a. For remote type Order as a pair only C-BTA1265
- b. For pot joint type Order as a pair only C-BTA1264
5. a. For grass track racing or other extremely destructive usage a pair of larger diameter driveshafts are available. These are for Hardy Spicer coupling pre pot joint use only, and have to be used in conjunction with larger CV Joints as used on Allegro/Maxis with 1750cc power units. Order pair of shafts only C-BTA1266
- b. CV Joints are available as reconditioned units (note: only available from Mini Spares Harrogate) ... Order individually as 37H7869
6. Standard replacement driveshafts but upgraded to EN24WX to enable performance usage Available individually (Not shown).
- a. For pre pot joint Mini, Autos and 'S', R/H Order as 27H4775
- b. For pre pot joint Mini, Autos and 'S', L/H Order as 27H4776
- c. For pot joint Mini, R/H Order as MS1246
- d. For pot joint Mini, L/H Order as MS1247



7. Ultra reliable and a direct replacement for standard units these are made in aircraft spec material and are used by most current international Race and Rally teams. Due to stresses caused by machine cutting, all the splines are rolled. Eliminating spline lock and allowing free plunge in the inner joint results in better handling and less torque steer. The mechanical efficiency is greater than a pot joint, let alone a Hardy Spicer joint, thus reducing power losses and therefore maximising the potential of your engine. Special customer order only as part number C-BTA1275

Swivel Pin Kit

8. Top and bottom swivel pin kit for one side only. Spring fits lower pin. All other parts are the same top and bottom either side.
 - a. Non Genuine Order as GSJ166MS
 - b. Genuine Order as GSJ166
 Each set is enough to do one hub only.



CV Joint & Gaiter Kits

9. CV Joint for Cooper and all drum brake Minis. 1 1/8" nut Order as GCV1105
10. Constant velocity joint, 'S' GT or any Mini 1984 on. 1 5/16" nut size. Order individually as GCV1013
11. CV gaiter kits. With plastic clips & grease. Order individually.
 - a. Universal kit. Fits any CV Order as 18G9027MS
 - b. Genuine kit. For GCV1105 small joint. Order as GDG233
 - c. Genuine kit. For GCV1013 large joint. Order as GDG202
 - d. Genuine heavy duty kit with metal clips & grease. For GCV1013 large joint. Order as GSV1053
12. Driveshaft small yoke end gaiter pre pot joint Order as 21A963



Alloy Calipers

FOUR POT 6082T6 Alloy billet calipers

The advantage of alloy calipers is that they dissipate heat quicker, reducing fluid boiling. Now fitted with stainless steel pistons which albeit, have added 0.54g to the weight, they further improve performance by reducing heat transfer to brake fluid, also providing much longer life expectancy against corrosion, especially on road cars. The design of the caliper also helps expel pad dust and heat from the contact area. By using standard metro pad sizes which are larger and by virtue of 2 pistons both pushing against the pad, it controls the pad contact and brake efficiency.



13. a. Pair of 4 pot alloy calipers to fit 7.5" diameter brake discs where 10" wheels are used. The pads have to be modified by grinding/filing off a small corner section of the metal on two pads only which does not affect the quality on this fitment. The kit contains 1 pair of calipers, plus longer hub bolts and a set of retaining clips and pins for the pads. Brake pads are NOT included owing to customers different requirements. Note: Not available in gold. Order black pair as C-AJJ4023
- b. for coloured calipers add colour to the part number PURPLE/ BLUE.
- b. Pair of 4 pot calipers for use with 8.4" diameter brake disc and 12", 13" wheels. Kit contains 1 pair of calipers with retaining clips and pins. Brake pads are NOT included owing to customers different requirements. Order black pair as C-AJJ4022
- for coloured calipers add colour to the part number PURPLE/ BLUE / GOLD.
14. The fitting kit for either set of calipers when using vented brake discs from the Metro. The brake disc will obviously require machining down from 8.4" to 7.5" for use on 10" wheels for C-AJJ4023 calipers. Complete with 4 spacers (only black available) and correct retaining clip and pins. Order as C-AJJ4021

WEIGHT COMPARISONS	
4 piston alloy caliper	1.8kg
'S'/1275GT caliper	2.66kg
Late Mini caliper (post 85)	3.46kg
4 piston Iron caliper	3.48kg



Call our mail order department now 01707 607 700

Caliper Pistons / Seals

1. Caliper pistons in 303S stainless steel. Centreless ground for micro finish to stop sticking, not a mass produced cheap gimmick.

Order each piston individually

Caliper seal repair kit per caliper

a. For 997/998cc Cooper 7" disc 17H7913 GRK5009

b. Cooper 'S' 1275GT 7.5" disc SAAS501 GRK5006

c. Mini 1984 on 8.4" disc 114713 GRK5008

d. Metro and Mini Spares 4 pot caliper ... SAAS1022 GRK5003

Brake Shields & Shoes

2. Right hand pair of disc shield covers.

a. Pair of 7.5" covers ... Order as MSSK1400

b. Pair of 8.4" covers ... Order as MSSK1402

3. Left hand pair of disc shield covers.

a. Pair of 7.5" covers ... Order as MSSK1401

b. Pair of 8.4" covers ... Order as MSSK1403

4. Shield to hub steady bracket.

a. R/H Order as BTA1208

b. L/H Order as BTA1209

5. Protector plates for protecting hose to calipers as used on works cars. Sold as a pair. ... Order as C-AJJ3369

6. Brake Shoes in axle sets of four.

a. 1 1/2" wide front brake shoes (4). Order car as GBS102MS

b. 1 1/2" wide front brake shoes(4) genuine. Order as GBS733AF

c. 1 1/4" wide rear brake shoes(4). Order as GBS101MS

d. 1 1/4" wide rear brake shoes(4) genuine. Order as GBS834AF

Master Cylinders

7. Original Lockheed metal type canister master cylinders. "Lockheed made in England" is embossed into the surface, as supplied by the factory. Pre 1976.

a. Clutch master cylinder for all Mini. Order as AAU4969

b. Brake master cylinder for standard Mini 2.25" high canister. Order as GMC171ORIGINAL

c. Brake master cylinder for Cooper S/1275GT larger fluid tank 3" high canister. Order as GMC 172

d. Master cylinder reservoir extension. Made in translucent white nylon, enabling quick and easy fluid level checks. Also allows extra fluid to be carried. Order as BHA4661

8. Plastic container larger capacity type master cylinders.

a. For brake. Pre 1976. Order as GMC171

b. For clutch. All models. Order as GMC1008

9. Brake master cylinder front to rear split. With yellow identity band. Pre 85 cars require metric union brake pipe kit.

a. Master cylinder 1976-89. Order as GMC227

b. Brake pipe kit R/H drive. Order as BAU5654

c. Brake pipe kit L/H drive. Order as BAU5655

10. Brake master cylinder for cars with factory built in servo. 1989 on. Order as GMC90376

Brake Pads - Unipart, Rover, Mintex, Carbon Metallic and EBC

The Mintex C-TECH range is ideal for upgrading brakes when fade occurs. The centre groove in the pad is to stop dust build up. Also available is carbon metallic compound with its broad operating temperature band encompasses everything from M171, DS11 and M1155. Exceptional co-efficient of friction, combined with a low wear rate make these a must for all racers.

Dupont Kevlar that will stop you faster, fade resistant with immediate pedal response. (No warm up time required) Not only do they give low brake disc wear the non-asbestos kevlar produces less brake dust, which usually contaminates alloy wheels. If you have alloy wheels EBC Pads are a must.

	Unipart/Rover, Standard Material (*except where shown)	C-TECH M1144 Material	Carbon Metallic Material	Black Stuff Kevlar Street Pads for Road/Fast Road Use.	Green Stuff Kevlar for Competition, Fast Road light race/rally. Known as roadport.
7" Diameter Disc 998cc Cooper only	GBP102AF	C-AHT223	N/A	N/A	C-AHT223KEVLAR
7.5" Diameter Disc Cooper 'S', 1275GT	GBP103AF	C-8G8995	C-8G8993	GBP103KEVLAR	C-8G8995KEVLAR
8.4" Diameter Disc Late Mini	(Lockheed) GBP281MS*	C-AHT16	N/A	GBP281KEVLAR	C-AHT16KEVLAR
Vented Disc Metro/Mini	(Mintex) GBP258AF*	C-8G8994	C-STR987	GBP258KEVLAR	C-8G8994KEVLAR





7" Brake Discs

- Cooper 7" diameter brake disc. Order individually as **BTA193**
- a. Brake pads for 7" discs. Order as **GBP102AF**
b. Kevlar brake pads for 7" discs. Order as **C-AHT223KEVLAR**



7.5" Brake Discs

- a. Front set 7.5" brake discs with kevlar brake pads. Order as **MS35**
b. Brake discs 7.5" diameter from upgraded material. Order individually as **GBD101**
c. Budget brake disc from standard material Order individually as **GBD101MS**
- 7.5" Brake disc with grooves to wipe brake pad clean to improve contact area and efficiency. Order individually as **C-21A1265**
- Vented brake disc machined down to 7.5" for use with 4 pot callipers. Order individually as **GBD497**
- a. Drive flange in upgraded EN24T to reduce wear and cope with extra stress Order as **21A1270**
b. Drive flange in standard material EN8 Order as **21A1270MS**



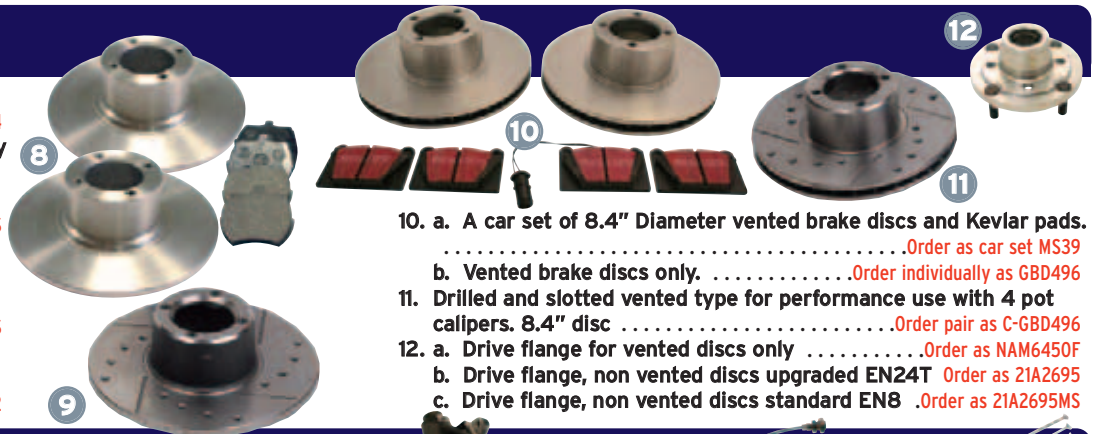
7.5" Disc Conversion Kits

- Complete Cooper 'S' 7.5" diameter disc brake kit for converting from drum brakes to discs.

	Brake Pads	Calipers	Brake discs GBD101MS	Drive Flange 21A1270MS	CV Joint GCV1013	Hub Front RH/LH FAM2390/1	Roller Bearing GHK1140	Hub Nut Split Washer FAM9270A	Swivel pin Kit GSJ166MS	Grease nipple LN10051	Countersunk Screw SF604051	Bolts & Pins 53K1048 & PS610241	Steering Arm Locktab 2K5377	Brake Disc Covers 21A1271 21A1272 21A1273 21A1274 BTA1209 GFK3210, SE910161
Complete Kit C-AJJ4028	GBP103 KEVLAR	27H4656/7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Complete Kit with non genuine calipers C-AJJ4028MS	GBP103 KEVLAR	27H4656MS/7MS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Complete Kit with brake disc shields C-AJJ4028B	GBP103 KEVLAR	27H4656/7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Upated Kit with 4 pot Alloy calipers & parts C-AJJ4028A	GBP258 KEVLAR	C-AJJ4023	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
Disc, Flange, Caliper Kit from 12" to 10" wheels MSSK013	GBP103 KEVLAR	27H4656/7	✓	✓	✗	✗	✗	✗	✗	✗	✓	pins only	✗	✗

8.4" Brake Disc

- a. A car set of brake discs and Kevlar pads. Order set as **MSSK014**
b. Budget non vented disc only as fitted to all Minis 1984 on. As supplied in above kit. Order individually as **GBD90806MS**
c. Standard non vented disc only as fitted to all Minis 1984 on. High quality. Order individually as **21A2612MS**
- Drilled and slotted non vented performance use. Order pair as **C-21A2612**



- a. A car set of 8.4" Diameter vented brake discs and Kevlar pads. Order as car set **MS39**
b. Vented brake discs only. Order individually as **GBD496**
- Drilled and slotted vented type for performance use with 4 pot callipers. 8.4" disc Order pair as **C-GBD496**
- a. Drive flange for vented discs only Order as **NAM6450F**
b. Drive flange, non vented discs upgraded EN24T Order as **21A2695**
c. Drive flange, non vented discs standard EN8 Order as **21A2695MS**

8.4" Disc Conversion Kits

- 8.4" diameter disc brake kit for converting to vented discs.

	Brake Pads	Calipers <i>reconditioned</i>	Brake discs GBD496	Drive Flange NAM6450F	CV Joint GCV1013	Hub Front RH/LH FAM2390/1	Roller Bearing GHK1140	Hub Nut Split Washer FAM9270A	Swivel pin Kit GSJ166MS	Brake Hoses C-AJJ4024	Caliper & Drive Flange Bolt ERA1128 & SH110201M	Hub Seal Inner & Outer GHS173 & GHS101	Brake Pad Clips & Pins GBK1025
Disc Upgrade Kit to vented discs C-AJJ4029	GBP258 KEVLAR	GBC2030/1	✓	✓	✗	✗	✗	✗	✗	✓	✓	✗	✓
Complete vented disc kit C-AJJ4029B	GBP258 KEVLAR	GBC2030/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

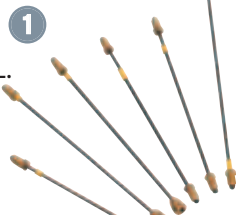


Call our mail order department now 01707 607 700



Brake Lines

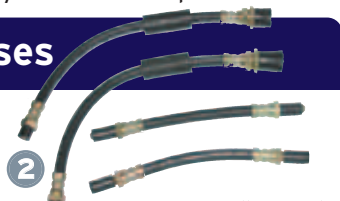
1. **Easy bend non rusting brake pipe kits**, all pipes are sold separately if requested. Also available in L/H drive, change GB prefix to GL.
 - a. **Single line**, dry suspension, disc or drum brakes, no servo, 1959 on. **Order as GB4991**
 - b. **Single line**, dry suspension, disc brakes with servo, Cooper 'S' & 1275GT etc. **GB4992**
 - c. **Front to rear split**, no servo, 1980-88 approximately **Order as GB4999**
 - d. **Front to rear split** with servo 1989 on **Order as GB5000**
 - e. **Single line**, hydrolastic suspension, disc or drum, no servo. **Order as GB5001**
 - f. **Single line**, hydrolastic suspension, disc brakes, with servo, Cooper 'S' **Order as GB5002**
 - g. **Diagonal split system** van/estate 1978 on **Order as GB5007**
 - h. **Front to rear split** 1978-80 Saloon **Order as GB5008**
 - i. **Front to rear split** 1977-78. **Order as GB5014**
 - j. **Twin diagonal split** with 4 way failure switch. Up to 1982 **GB5021**



Rubber Brake Hoses

2. **Rubber brake hose sets**. Front & rear hoses are sold individually or buy a full car kit of 2 front & 2 rear hoses.

Front Hose	Rear Hose	Full Car Kit
a. Drum brake Mini. (longer front hoses).	GBH170	GBH170KIT
b. Disc brake Mini.	GBH249	GBH249KIT



Steel Braided Brake Hoses

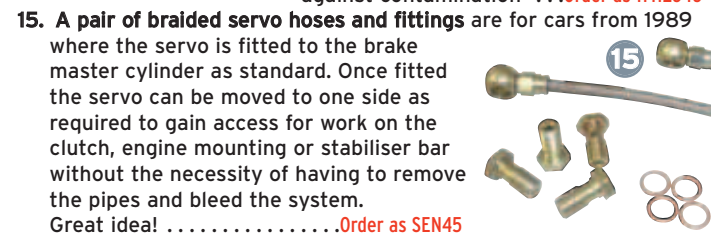
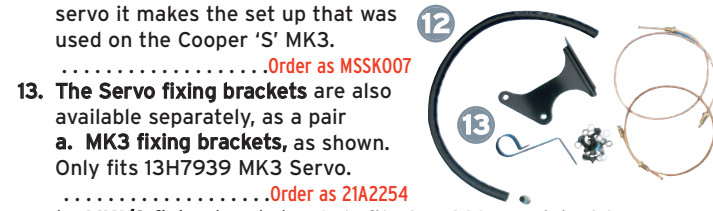
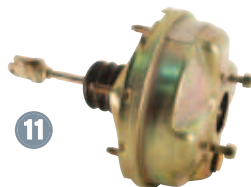
Steel braided brake and clutch hoses have a PTFE inner which helps to eliminate the spongy pedal feel under arduous conditions, and giving greater efficiency. The outer braided stainless steel cover minimises wear/damage and corrosion. All our braided hoses now have swaged ends to conform to Japanese, New Zealand and South African safety requirements.

3. **a. Set of 4 brake hoses** 2x front and 2x rear brake hoses **Order as C-AJJ4026**
- b. Set of 5 hoses**, kit as above but with clutch hose included for pre Verto. **Order as C-AJJ4027**
- c. Set of 5 hoses**, kit as above but with clutch hose included for Verto only. **Order as C-AJJ4027B**
- d. Pair of front braided hoses only.** **Order as C-AJJ4030**
- e. Pair of rear braided hoses only.** **Order as C-AJJ4031**
4. **Pair of rear hoses with banjo fitting**. These replace the original hose and metal brake pipe fitted to the wheel cylinder. No modifications are required and are of special interest to owners of severely lowered cars where pipes can get crushed. The kit contains the banjo bolts to fit the wheel cylinder and tie wraps to hold hose to radius arm **Order as C-AJJ4031B**
5. **Braided clutch hose for pre Verto clutches.** **Order as C-AJJ4025**
6. **a. Banjo type braided clutch hose for Verto clutches** **Order as C-AJJ4025B**
- b. L/H Type.** **Order as C-AJJ4025COMPLH**
7. **Braided one piece long clutch hose.** Replaces existing rubber hose and metal pipe. For Verto or Pre Verto. **a. R/H Type** **Order as C-AJJ4025COMP**
- b. L/H Type.** **Order as C-AJJ4025COMPLH**
8. **Set of braided hoses for Metro 4 pot calipers** when converting for use on a Mini . . . **Order as C-AJJ4024**



Servos

9. **This is the only remote servo available for the Mini from Lockheed.** Available in a kit with full fitting instructions it is the same servo as fitted to the Cooper 'S' MK3 and 1275GT, but can be fitted to any single line brake system from 1959 on.
 - a. **Servo Kit with brackets** . . . **Order kit as SEN43**
 - b. **Servo only** **Order as 13H7939**
 - c. **Cooper 'S' fitting brackets only** (not in kit) **Order as 21A2254**
 - d. **The original repair kit for SEN43 or 13H7939 servo** **Order as 18G8938**
10. **This is not the original Cooper S MK1 Lockheed type**, but a close copy that has been reproduced for customers who require the authentic look without using the MK3 'S' Lockheed Servo that was previously the only one available. **Order as 21A1293**
11. **a. Servo that only bolts to GMC90376 master cylinder** as fitted by Rover from 1989 on with split front to rear brakes, which had different pedal box linkage etc **Order as GSM119**
Note: See item 15 for braided hoses.
b. Repair kit for GSM119 . . . **Order as GSM120**
12. **Servo fitting kit** is for all single line brake pipe cars when using 13H7939 servo. When this kit is used in conjunction with this servo it makes the set up that was used on the Cooper 'S' MK3. **Order as MSSK007**
13. **The Servo fixing brackets** are also available separately, as a pair
 - a. **MK3 fixing brackets**, as shown. Only fits 13H7939 MK3 Servo. **Order as 21A2254**
 - b. **MK1/2 fixing brackets**. Only fits 21A1293 or original Servo. **Order as 21A1294**
14. **In-line valve required to stop petrol coming back into the servo.** This is not supplied in the Lockheed servo kit. If the servo has a built in valve this is also required in the hose line to ensure against contamination . . . **Order as 17H2646**
15. **A pair of braided servo hoses and fittings** are for cars from 1989 where the servo is fitted to the brake master cylinder as standard. Once fitted the servo can be moved to one side as required to gain access for work on the clutch, engine mounting or stabiliser bar without the necessity of having to remove the pipes and bleed the system. Great idea! **Order as SEN45**



Pressure Regulator Valves

16. **Pressure regulator valve for single line systems.** Fitted on rear sub frame.
 - a. **MK1/2 and Cooper 'S' MK3** . . . **Order as 21A1774**
 - b. **All MK3 except Cooper 'S'** . . . **Order as 21A2031**
17. **Adjustable for competition** **Order as MS72**
18. **Pressure regulator valve.** Front to rear split systems. Fitted on bulk head . . . **Order as FAM7821**

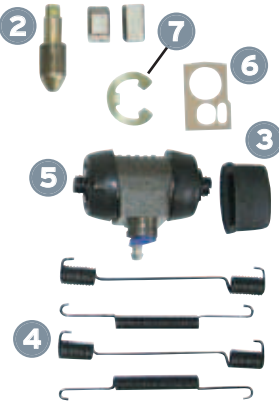


11 Brakes



Drum Brake Components

1. **Rear brake backplate.**
Rear backplates are sold less adjuster screw and wedges. If the small wheel cylinder-locating hole is on the opposite side another hole should be drilled rather than removing the pin from the cylinder.
a. For R/H Order as 21A1058
b. For L/H Order as 21A1060
2. **One adjuster and 2 wedge kit.**
..... Order as 17H7620
a. One adjuster only .. Order as 17H7619
b. Single wedge only .. Order as 17H7618
3. **Gaiter for backplate and brake lever arm.**..... Order as 17H7612
4. **Car set of 4 rear brake shoes return spring**..... Order as GBK1834
5. **AP/Rover wheel cylinder, which includes gasket and clip** (items 6 & 7).
a. Rear cylinder with .75" Internal bore size Order Genuine as GWC1102
..... Order Non Genuine as GWC102MS
b. Rear cylinder with .625" Internal bore size..... Order Genuine as GWC1101
..... Order Non Genuine as GWC101MS
6. **Rear wheel cylinder locating gasket** Order as 37H4642
7. **Rear wheel cylinder clip** Order as 17H7949



8. **Front brake backplate** for cars with two wheel cylinders per backplate from 1968 on are made with the adjuster in place.
a. For the R/H Backplate. Order as 37H2013
b. For the L/H Backplate. Order as 37H2014
9. **Car set (4) front brake shoe return springs.**..... Order as GBK1733
10. **AP/Rover wheel cylinders** includes gaskets (item 11).
a. For R/H Cylinder .9375" bore. Order Genuine as GWC126
..... Order Non Genuine as GWC126MS
b. For L/H Cylinder .9375" bore. Order individually as GWC127
..... Order Non Genuine as GWC127MS
11. **Front wheel cylinder locating gasket.** Order as 37H3833
12. **Wheel cylinder spring (4)** to brake shoe must be fitted to ensure braking efficiency are available separately. Order as 27H3753



Brake Drums

13. **Alloy brake drums** - pair, with built in spacer and by virtue of its finned design dissipates heat quicker which in turn helps reduce brake fade.
a. Superior quality Order as SUPERFINS
b. Budget pair Order as MINIFINS



14. **Standard cast mini brake drum** for front or rear. Order individually as GDB105
15. **Rear cast brake drum** as fitted to Cooper 'S' 1275GT and all Mini's from 1984on. Characterised by the built in spacer .. Order individually as GDB106

Built Up Brake Backplate

16. **Built up brake backplate kits** for rear includes backplates with adjusters, cylinders and shoes as shown.
a. For rear R/H Order as 21A1058KIT
b. For rear L/H Order as 21A1060KIT



Handbrake

17. **Fly off handbrake conversion** so popular in the 60's and commonly used on rally cars. The only parts supplied are the new pawl pictured and two rivets, with full fitting instructions Order as C-AJJ4019
18. **Original type handbrake plastic grip.** Pre 1976. Order as 13H5541
19. **Rubber handbrake grip.** 1976 on Order as FAM8356
20. **Handbrake Black Vinyl gaiter.** Order as CK989
21. **Light weight handbrake cable quadrants** for dry suspension. Pre 1976. Order pair as C-AJJ4018
22. **Original handbrake cable quadrants** for dry suspension. Pre 1976. Order individually as 21A2454



23. **Handbrake cable sector bracket** 1976 on. Order as FAM621
24. **Fixing pin for quadrants** Order as CLZ549
25. **Cars with Twin Handbrake cables** pre 1976.
a. Van, Estate and Pickups only. Order individually as GVC1020
b. Hydrolastic suspension cars only. Order individually as GVC1021
c. Dry suspension cars only. Order individually as GVC2022
26. **Dry suspension cars with Single Handbrake cable** from 1976.
a. Rear wheel to wheel cross cable Order as GVC2134
b. Front cable for saloons only, 25" long. Order as GVC2135
c. Front cable van, estate, pickup, 29,25 long Order as FAM625



Valve Caps

27. **Alloy Tyre Valve Caps.** Available in four anodised colours.
Order Set of 4 asMTC3MTC4MTC5MTC6



Locknuts

28. a. **Set of 4 locking nuts** for latest Mini/Cooper 8 Spoke Alloy. Order as LOCKNUT1
b. **Set of 4 locking nuts** for Mamba/Revo 10" wheels. Order as LOCKNUT2
c. **Set of 4 locking nuts** for Minilife/Original Minilite Wheel Pre 1980 Order as LOCKNUT3
d. **Set of 4 locking nuts** for 13" RFX/Phoenix/Superlite large radius seat CN5 nut. Order as LOCKNUT4
e. **Set of 4 locking nuts**, Mini 12" steel - 1984 on, Wella CN2/5-type. Order as LOCKNUT5
f. **Set of 4 locking nuts**, Mini 10" steel - Pre 1984. GB alloys CN1/4-type Order as LOCKNUT6





Wheel Nuts

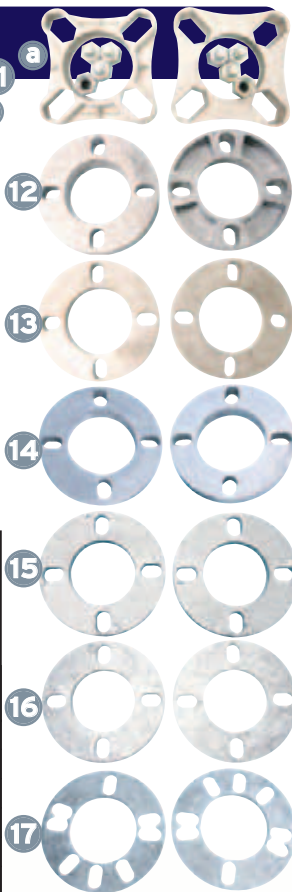
1. **No. 6 Chrome long nut**, equivalent type fitted to Mini steel wheels pre 1984, round radius bottom Order as **CN1**
 2. **No. 6 Chrome long nut** with large round seat as per steel wheel pre 1984. Can be used for CN1 if required Order as **CN4**
 3. **No. 5 chrome long nut** 60° angle seat, equivalent to type fitted to all 12" steel wheels 1984 on, 60° angle bottom. Fits Weller and Minator Order as **CN2**
 4. **No. 5 Chrome long nut** with large 60° angle seat fits Superlite, Revo RFX 6 x 13 or any wheels. 1984 on. The large seat type is considered a safety feature. Order as **CN5**
 5. **Sleeve nut and chamfered washer** in stainless steel for Minilife. Order as **C-21A1969**
 6. **Sleeve nut in stainless steel** for Mamba/Revolution with washer. Order as **REV09**
 7. **a. Std. Mini Wheel Nut**, round seating, used from 69-84 as shown. Order as **88G322**
b. Std. Mini Wheel Nut, 60° seating for steel wheels, 84on not shown. Order as **113087**
 8. **Basic Wheel Nut** without cover for Rover Cooper Alloys 1/16" nut size. Order as **AJM1139**
 9. **Stainless steel outer cover wheel nut** for Rover Cooper Alloys 1/16" nut size. Order as **NAM9075**
 10. **Chrome Sleeve Nut & flat washer** for Wolfrace slot and original Minilite. Will also fit the later Minilite Company wheel 5x10 only. Order as **CN3**
- All nuts sold individually

Wheel Spacers

11. **a. Pair of 1/4" (32mm) wheel spacers** with studded bolts (not for performance use). Order as **BG4001**
b. Studded bolt Order as **BG4001BOLT**
12. **Pair of 1" (25mm) wheel spacers** with ENJO-1039 studs. Order as **CW16**
13. **Pair of 3/4" (19mm) wheel spacers** with ENJO-1039 studs ... Order as **CW15**
14. **Pair of 3/4" (19mm) wheel spacers** with ENJO-1040 studs ... Order as **CW17**
15. **Pair of 3/8" (10mm) wheel spacers** with 21A2064L studs. Order as **CW1**
16. **Pair of 3/16" (5mm) wheel spacer shims** Order as **SR4**
17. **Pair of 3mm wide wheel spacer shims** Order as **SR3**

18. **Wheel stud's length starts from under head to end, not end to end.**

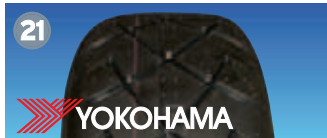
	Stud length	Thread length	
a.	35mm	22mm	21A2064
b.	50mm	29mm	21A2064L
c.	32mm	23mm	NAM5645
d.	55mm	20mm	21A1278
e.	58mm	19mm	ENJO-1039
f.	78mm	27mm	ENJO-1040



Tyres



19. **Falken 165x70x10 (FK-07E Design)** Order as **TYRE07**



21. **Yokohama A032-R 165x70x10**. Aqua tusk tread design to increase traction in the wet. Order as **TYRE15**



23. **Dunlop R7 165x70x10 reproduction of the 1960s racing CR65 tyre** Order as **TYRE05**



25. **Yokohama A539 tyre**. For 165x60x12 ... Order as **TYRE17**
For 175x50x13 ... Order as **TYRE18**



27. **Falken 145x70x12 (SN828)**. For standard 12" wheels. Order as **TYRE26**



29. **Digital tyre pressure gauge with led light** Order as **TOOL08**



20. **Falken 165x60x12 (ZE912)** replaces **TYRE01**. Order **TYRE04**



22. **Yokohama A008 165x70x10**. High performance tread. asymmetric pattern. Competition. Order as **TYRE08**



24. **Yokohama A048R**. For 165x55x12 ... Order as **TYRE19**
For 175x50x13 ... Order as **TYRE25**



26. **Falken for all those old classic steel 3 1/2 x 10" wheels** 145x80x10 ... Order as **TYRE24**



28. **Yokohama F600's winter Tyre**. 145x70x12. Order as **TYRE13**



30. **Tyre Pressure Gauge**. Angled for easy use. Order as **TOOL06**

Centre Caps



31. **a. Weller steel wheel cap for 10" wheels**. 63mm back/rear fitting less badge. Logo face area of 45mm .. Order individually as **WELLA CAPS**
b. Weller steel wheel cap for 12" wheels. 69mm back/rear fitting less badge. Face area of 45mm. Order individually as **WELLA CAPS12**

32. **Performance Industries superlite cap**. Order individually as **WHL1002**
33. **Mamba cap**, 76mm wide, front fitting. Order individually as **WHL1014**
34. **GB alloy cap**, 60mm wide, rear fitting. Order individually as **WHL1003**
35. **Minilife 50mm white sticker** fits old style cap. Order as **STICKER26**
36. **Mini Cooper 50mm wheel decal**. Order as **STICKER21**



13 Wheels




Mini Spares Alloy Wheels


1. **The Original thick front rimmed 4½x10" MINILIFE wheel** as per Abingdon Special Tuning design that fits within the bodyline when disc brakes are fitted, without requiring arches. Made in LM9 with 67mm chrome plastic cap and stainless steel sleeved nuts **Order as C-21A1968** 
2. **Mini Spares Centre's own MINILIFE wheel** shown here in Anthracite with diamond cut edge. From the same designs as all the Minilife range, depicting the sporting character of the 60's and 70's, which have the image favoured for the 90's Coopers. Complete with front fitting chrome plastic centre cap to fit the 67mm hole and stainless steel sleeved wheel nuts that have a tapered washer for better centralisation.
 - a. **For anthracite diamond cut.**
For 5x12" **Order as C-21A1965**
 - b. **For silver diamond cut.**
For 5x12" **Order as C-21A1966**
 - c. **For anthracite diamond cut.**
For 4½x10" **Order as C-21A1963**
 - d. **For silver diamond cut.**
For 4½x10" **Order as C-21A1964**
- *All diamond cut edge wheels have 6 months guarantee.
3. **MINILIFE wheels only available from Mini Spares** have been sold world wide since the early nineties and are a faithful reproduction of the original Minilites used by the Abingdon Special Tuning department and classic cars of the 60's and 70's. The original type has stainless steel nuts and a tapered washer for better centralisation. Silver all over with 67 mm centre cap.
 - a. **For 5x12" with nuts/cap.** **Order as C-21A1967**
4. **Wheel Nuts** for all above wheels. **Order individually as C-21A1969** 
5. **a. Chrome Plastic 67mm Centre Cap.** 53.5mm centre. Fits all MINILIFE wheels. **Order individually as C-21A1962**
b. MINILIFE 53.5mm Chrome / silver plastic sticker fits C-21A1962. **Order as STICKER25** 
6. **MINILIFE Money saving alternative** to above wheel. Exactly the same wheel but machined to accept standard CN5 chrome wheel nuts (included) saving over £25 per set. **For budget 5x12" including nuts/cap.** **Order as C-21A1021** 
7. **a. Wheel Nuts for Minilife Wheels** C-21A1021. **Order individually as CN5** 

When comparing prices, remember some Minilife wheels include new stainless steel sleeve nuts and washers, as per originals.

Mini Spares Alloy Wheels

8. **Flat front outer rim** as per our 4.5 Minilife but with diamond cut edge. Wheels supplied with **centre cap & sticker**, less wheel nuts. Uses standard pre 1984 type on nuts. 88G322 or CN1 or CN4 (for chrome).
 - a. **5x10" Alloy 8 spoke wheel with 55mm.** **Order individually as WHL1000**
 - b. **6x10" Alloy 8 Spoke Wheel with 55mm** **Order individually as WHL1001**
9. **Chrome 55mm cap for WHL1000/1 wheels.** 40mm logo face area. Front fitting. Flat 13mm depth cap, also fits Miniator 6 and 7x13". Supplied with sticker. **Order individually as WHL0999** 






Original Rover Alloy Wheels

10. **Sportspack Wheel. 6x13"** - as fitted from 1996 on. Order individually.
 - a. **Genuine Rover wheel** **Order as RRC109640MNH**
 - b. **Copy of Rover wheel** . **Order as RRC109640MS**
 - c. **Mini Cooper laurel sticker 50mm wide** as shown on wheel. **Order individually as STICKER 21** 
11. **Plastic Centre Caps** for Rover 12" and 13" Cooper/Sportspack Wheels with 52mm centre.
 - a. **Green MINI cap** . **Order individually as DTC100680MNH**
 - b. **Mini Cooper silver outer rim with white centre** **Order individually as DTC100690MNH**
 - c. **Black cap plain** . . . **Order individually as NAM9105PMD** 


Minilite Wheels

12. **These wheels, from the Minilite company** formed in the early 90s, are not the exact originals from the 60's and 70's but from new tooling with similar looks and the company name embossed on the rim. The new company logo is on the 65mm centre cap. Caps and nuts supplied.
 - a. **4½ x 10" Silver** . . . **Order as C-21A1900**
 - b. **4½ x 10" Gold** **Order as C-21A1900GOLD**
 - c. **5 x 10" Silver** **Order as C-21A1901**
 - d. **Cap for above** **Order as C-21A1907**
 - e. **6 x 10" Silver** **Order as C-21A1902**
 - f. **6 x 13" Silver** **Order as C-21A1903**
 - g. **5 x 12" Silver** **Order as C-21A1904**
 - h. **Cap for e,f,g** **Order as C-21A1908** 

Genuine Revolution Wheels

13. **Revolution 4 Spoke.** The original style 4 spoke specification which are complete with centre caps for the 63mm hole and stainless steel nuts, except for the 13" wheel, which has a different size chrome nuts.
 - a. **For 6x10" Revolution 4 spoke.** **Order as REV02**
 - b. **For 5x12" Revolution 4 spoke.** **Order as REV03**
 - c. **For 6x12" Revolution 4 spoke** **Order as REV04**
 - d. **For 6x13" Revolution 4 spoke** **Order as REV05**
 - e. **For 7x13" Revolution motorsport wheel with rim studs. Split rim lookalike.** **Order as REV08** 
14. **Stainless steel Revo/Mamba wheel nut** (except 13"). **Order as REV09** 
15. **Chrome wheel nuts for Revo 13"**. Except RFX. **Order as REV10** 
16. **Revolution plastic front fitting cap.**
 - a. **63mm diameter** for all 4 spoke type plus 6x13 RFX. **Order individually as REV06**
 - b. **55mm diameter** for RFX 5 spoke 12" wheel only. **Order individually as REV07** 
17. **Revolution plastic front fitting cap 2004 on.**
 - a. **67mm diameter** **Order individually as REV13**
 - b. **61mm diameter** **Order individually as REV14** 

Miniator Alloy Wheels

18. **13" Miniator 8 spoke silver alloy wheel.** Uses standard nuts 113087 or CN2, CN5 chrome as an alternative. Without nuts.
 - a. **5x13" Miniator with 61mm centre cap,** in overall silver . **Order individually as WHL1005**
 - b. **5½x13" Miniator with 61mm centre cap,** in overall silver **Order individually as WHL1008**
 - c. **Cap for Miniator 5 & 5½x13" wheels.** 61mm wide front fitting with badge/logo face area of 40mm, 33mm in depth. **Order individually as WHL1010** 

Call our mail order department now 01707 607 700





Minilight Wheels



1. Deep dish, polished rim with CN5 type nuts & centre caps.
 - a. 6x13"Order as C-21A1981
 - b. 7x13"Order as C-21A1982
 - c. Centre cap .Order as C-21A1983

Classic Wheels



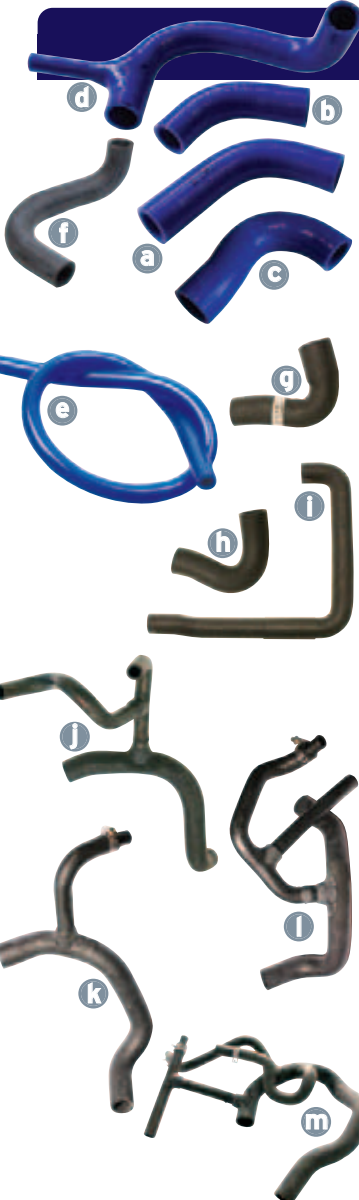
2. Steel wheels 4.5 x 10" .
 - a. Silver finish.Order individually as 21A1286
 - b. Old English White finish. .Order individually as 21A1286WHITE
 - c. Cap to fit above wheels.Order individually as 21A1287

3. Dunlop 5x10" look alike wheel.Order as WHL1004



4. Rose petal wheel.
 - a. 4.75x10" ...Order as C-21A1071

Radiator Hoses



Radiator hoses break down into 3 main types.

1959 - 1989, those with the cast metal heater valve bolted to the cylinder head. The redesigned bottom hose for these will fit everything and is made in KEVLAR or silicon only, for longevity as they are awkward to replace.

1989-1996 with a plastic hose fitted in heater hose line.

1996 on cars with twin point injection with front mounted radiator had totally different hoses.

* These hoses come in small or large bore size but with different lengths so if you are not sure then buy the longer one & cut to length needed.

Kevlar

- Long lasting
- Hi strength
- Low Heat transfer
- Wear Resistant

A high tech aramid fibre produced by DuPont. Kevlar fibres are evenly dispersed & bonded to the rubber, giving considerable strength.

Silicon

The next step up from Kevlar is the blue silicon type which not only brightens up the engine bay, but also withstands higher temperature and pressure.

			Rubber	Kevlar	Silicon
1959 - 1989	TOP HOSES	Small Bore	Original MK1 Mini Radiator plus all 998 / 1098 clubman. 6½" long	GRH467	a C-GRH467 Order this part in kit C-GRH003
			850/998 from 1967 or any new type radiator 5" long	GRH245	b C-GRH245 Order this part in kit C-GRH001
	Large Bore		Copper 'S' and 1275cc Mini	GRH247	c C-GRH247 Order this part in kit C-GRH002
			1275GT Clubman ½" longer than 'S'		GRH469KEVLAR C-GRH469 Order this part in kit C-GRH004
	BOTTOM HOSE		With heater outlet		GRH240KEVLAR d C-GRH240
			Without heater outlet	f GRH802	
HEATER HOSE		½" Heater hose. (sold per metre except silicon)	GRH1006	GRH1006KEVLAR	e 1m = C-GRH1006 1.2m = C-GRH1007
1989 on	TOP HOSES		Cooper with HIF44 1¾ carb. 1¼ bore hose one end. 1990-92	g GRH1140	C-GRH1140
			Mini HIF38 1½ carb 1991-1994 Plus all single point injections	h GRH1212	C-GRH1212
			Twin point with front mounted radiator. 1966 on	i GRH1465	C-GRH1465
	BOTTOM HOSES		Mini HIF44 1¾ carb	j GRH1159	C-GRH1159
			Mini HIF38 1½ carb 1991-1994	k GRH1289	
			Single point injection	l GRH1242	C-GRH1242
			Twin point injection. Fits 1996 only	m GRH1466	
HEATER HOSE		5/8" Heater Hose Sold per metre	GRH905		

Hose Kits

5. All Silicon hose kits include:
 - 1 x C-GRH240 (d)
 - 1x C-GRH1006 (e - 39")
 - 1x C-GRH1007 (e - 42")
 but have different top hoses:
 - Includes Top Hose ..Order kit as C-GRH245 (b)C-GRH001
 - C-GRH247 (c)C-GRH002
 - C-GRH467 (a)C-GRH003
 - C-GRH469C-GRH004

Heater Hose Grommet

6. The rubber Grommet that sits in the body as a sleeve to protect the heater hoses from chaffing.
 - a. For 1"(25mm) hole pre 1989Order as 34G3651
 - b. For 1½"(33.5mm) hole. 2" wide. 1990 onOrder as CLP6235



Radiator Caps

7. a. 7lb long neck 33.6mm tall, early 850ccOrder GRC101
- b. 7lb short neck 27.5mm tall, 850/998. 1965-69 .Order GRC102
- c. 13lb short neck 27.5mm tall, 1970-80Order GRC1111
- d. 15lb except rads with sender unit, 1980-92 ...Order GRC1110
- e. 15lb as above, has built in seal, 1992-96Order GRC207
- f. Non pressurised cap for some expansion tanks .Order GRC126
8. Plastic expansion tank cap twin point cars.Order GRC1184



15 Radiators, Fans and Thermostats



Radiators & Fans

In 1978 we introduced a 4 core radiator with 25% increased water capacity which greatly increased cooling efficiency. To cope with hotter running engines a 2 core radiator unique to Mini Spares with original shape header tanks was developed, it has 2 very large cores with V shaped gills which is lighter, narrower and with increased air flow out performed the 4 core. All 2 cores have a switch hole fitted with a drain plug which can be replaced by a screw in sender unit if required. Beware of competitors copies of our original when tested professionally, they are not the same. The 2 core radiator being lighter material can be prone to fin blockage/damage by a heavy deluge of mud or muck and is not ideal for Grasstreck or Autocross.



1. a. Super cool 2 core radiator with drain plug. Order as C-ARA4442
b. As above with heavy duty screw in sensor Order as C-ARA4443
2. a. 4 core radiator. Order as C-ARA4444
b. 4 core radiator with drain plug. Order as C-ARA4444B
c. 4 core radiator with fan sensor unit. Order as C-ARA4446
3. 3 core original S radiator 90on, push in sender type Order as GRD172
4. 3 core standard replacement radiator Order as ARP2000
5. Aluminium 2 core radiator for extra hot climates.
a. Fits pre 1990 Minis . . Order as C-ARA4441
b. Fits Minis 1990 on . . Order as C-ARA4441A
6. Aluminium 2 core radiator with universal plug hole for electric fan switch, comes with plug when switch not used Order as C-ARA5000
7. Replacement screw in sender for C-ARA4443 Order as C-ARA4445
8. a. Push in sender unit for GRD172 original Rover fitting Order as GVS104
b. Seal for GVS104 available separately. Order as CDU2334
c. Clip for CDU3374 seal and sender unit Order as KTP9002
9. Front mounted radiator as used on MPI injection Minis, now supplied with metal header tanks Order as GRD974
10. Mini Spares top finisher for original MPI plastic type radiator. Does not fit current metal type. Order as 8B12600
11. a. Original Expansion tank for MPI in plastic Order as PCF101240
b. In alloy for durability and engine bay cosmetics/looks. Order as PCF101240ALLOY



Radiators Brackets

12. a. 'S' top radiator bracket. Required when fitting 1300cc based engines in the Mini, (not Clubman). Available in stainless steel for better engine bay presentation. Order as 12G617S
b. Original in black, as per Cooper 'S'. Order as 12G617
c. 1275GT top radiator bracket Order as 12G2453
13. a. Top radiator bracket for 1990-96 Minis in stainless steel Order as PCU10135S
b. Top radiator bracket for 1990-96 Minis in black. Order as PCU10135
14. Radiator bracket seal. fits all uppers plus lower pre 1974 Order as 11G227
15. Radiator bracket seal. lower only 1974 on (one piece cowling) Order as CAM4618POLY
16. Original top shoulder bolt. Upto 1974 (two piece cowling). Order as 11G228

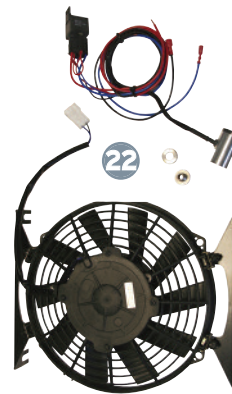


Radiator Fans

17. Two blade fan can be used as shown by crossing two blades to make a four blade fan. Produces better air flow, but noisy. Order each blade individually .Order as 2A997
18. Six blade metal fan as used on export vehicles Order as 2A998
19. Eleven blade plastic yellow fan as used on home market Minis Order as 12G2129
20. a. Complete electric fan kit for Mini or Clubman made by the original Kenlowe company. Order as C-ARA4400
b. Replacement temperature sender for Kenlowe only. Order as KLM1416
21. Sender unit sleeve that fits into a cut top hose with adjustable temp dial, not advisable for Cooper S top hose GRH247 owing to hose size and shape. Order as KLM1417



22. Full electric fan kit includes fan, brackets, professional variable adjustable fan temperature switch (70-120c), sender unit & hose clips. Order as C-ARA4401
23. a. Replacement for the old Rover 5 blade electric fan PGG10058 which is now obsolete. Mini Spares new 10 blade plastic fan has been adapted to fit any 1991-1995 mini that has the large round hole in the inner wing as standard using existing fitting points and wiring. Order as PGG10058MS
b. The same electric fan but for universal fitment Order as KLM1418
c. Twin point original front mounted radiator fan Order as PGG100890



PGG10058 - Original Fan Now Obsolete

New Replacement Fan - PGG10058MS

Thermostats & Blanking Sleeves

- Removal of the thermostat helps reduce engine temperature where cooling is a problem, but a thermostat blanking sleeve must be fitted to retain correct water circulation around the entire head. Failure to do so will cause overheating around 3 and 4 combustion chambers - with obviously disastrous results. If the blanking sleeve is used, it is necessary to blank off the by pass hose between head and water pump. Large impeller water pump GWP187 has the by-pass outlet drilling omitted from alloy casting. The higher the temperature the more thermally efficient the engine becomes, the 88° was fitted as standard from 1990 on. It is possible to run thermostats with the troublesome by-pass hose blanked off - 4 or 6 1/8" holes should be drilled around the periphery of the thermostat. The gaskets are GTG101MS.
24. Thermostat blanking sleeve Order as 11G176
 25. a. 74°C thermostat (165°F) Order as GTS102
b. 82°C thermostat (180°F) Order as GTS104
c. 88°C thermostat (192°F) Order as GTS106



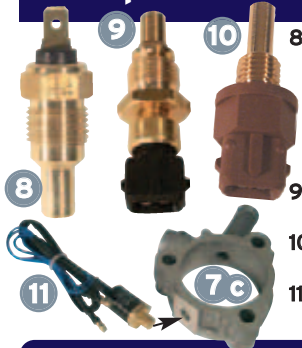
Thermostats Housings

- The most commonly fitted thermostat housing (water elbow) up to 1990 before introduction of sandwich plates. Also fits most single point injection cars, without ancillary holes. **12G103**
 - Thermostat fitting kit. **Order as 12G103FK**
- Thermostat & sandwich plate gasket. . . . **GTG101MS**
- Same 12G103 casting shape but with a 8mm hole drilled for sensor unit on carb models 1990 on. **Order as PEQ10010**
- Large bore (1.25" 32mm) elbow.
 - For small outlet pipe is not drilled as fitted to Mini from 1990 on carb models. . . **Order as PEQ10019**
 - For small outlet is drilled as overflow pipe for expansion tank as used on Mini Metros. . . **CAM6117**
- Some late single point and autos. **Order as PEQ100690**
- Twin point front mount radiators only. . **PEQ100650**
- Thermostats must be fitted in the sandwich plates when used and there were 3 different types fitted from 1990, plus one for the Metros which also fitted the ERA Turbo.
 - Metro and ERA Turbo where the outlet points straight at radiator and has 14-15mm bore outlet **Order as 12G3512**
 - Sandwich plate with 10mm bore outlet elbow but no threaded holes. **Order as PEG10002**
 - As per PEG10002 but with extra 8mm thread hole for YWL10010 sensor **Order as PEM10036**
 - As per PEM10036 but with 12mm thread hole (1.5 fine pitch) to take sensor GTR206 for twin point injection only **Order as PEG100030**



Temperature Transmitters

- Temperature transmitters that fit in cylinder head.
 - All Minis 1970 on **Order as GTR101**
 - Cooper 'S' from 1964 and all Minis up to 1970 with voltage stabiliser fitted **Order as GTR104**
- Single point injection fits in manifold. Cars after 1991 **Order as GTR307**
- Twin point injection cars, fitted in sandwich plate **Order as GTR206**
- Cooper SE sensor, fits in sandwich plate. Fits Cars 1990-91. **Order as YWL10010**



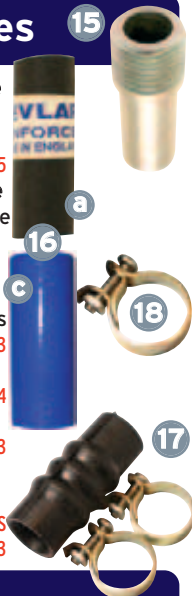
High Capacity Water Pumps



- Use of high capacity alloy water pumps help to circulate a greater volume of water. Cavitation reduction is achieved by using a large diameter water pump pulley as originally fitted to the 'S' and reintroduced on the A-plus engines, further improving cooling. It is necessary to check clearances in the block as well as between the pump and the cylinder head. Early small bore blocks do not have the water jacket machined around No.1 bore for the deeper impeller, because if a lot of material has been machined from the head face it may foul the pulley. If the 12G940 head is fitted to a small bore engine, it is necessary to modify the top edge of the water pump otherwise the head will sit on this and not seal properly. Look to get at least a 1/16" gap. Superseal gasket is available as GUG705555GM.
- 850cc and early cars where large impeller will not fit . **Order GWP132**
 - High capacity water pump with by-pass hose take off. . **Order GWP134**
 - Water pump fitting kit **Order as GWP134FK**
 - High capacity water pump - no by pass hose take off. **Order as GWP187**
 - High capacity, one bolt hole less, Twin point only. **Order as GWP188**

Water Pump By-Pass Hoses

- This longer By-Pass tube enables the hose to be changed without removing the cylinder head. Slide the shortened hose up the tube and then back down on the water pumps . . **Order as 12A2075**
- A source of misery to owners of earlier cars, the by-pass hose was eventually discontinued on late A plus engines.
 - Kevlar reinforced hose fits all except 1275cc engines but will need shortening by 8-10mm when used with the longer cylinder head by-pass tube 12A2075 **Order as GZA2083**
 - Kevlar reinforced longer hose for cooper 'S' and all 1275cc engines **Order as AEG484**
 - Silicon hose for 1275cc, shorten for fitment on other applications **Order as C-GZA2083**
- Fluted flexible hose allowing fitment without removing cylinder head. Supplied with clips **Order as 12A1093MS**
- Original by-pass hose clip . . . **Order each as 3H2963**



Heater Valves

- Heater Valve. Bolts directly onto cylinder head. Pre 1989.
 - Straight (not shown) . **Order as 13H5506**
 - Angled genuine **Order as ADU9102**
 - Angled Non genuine **Order as ADU9102MS**
 - Gasket **Order as 88G221**
- Plastic Body In-line Heater Valve. **Order as JJB10011**
- Plastic Body Heater Valve for twin point cars only **Order as JJB100260**
- Heater valve blanking plate for cylinder head when required **Order as 2A180**
- Heater tap stud. **Order individually as 53K402**
- Heater tap stud. Stainless steel. **Order individually as 53K402S**
 - Heater tap stud & six sided nut. Stainless steel (2 of each). **Order as C-STR285**
- Heater tap bolt as fitted to later A+ engines in s/steel . . **Order pair as C-STR283**



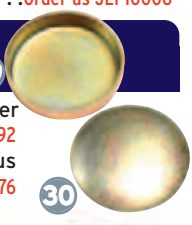
Heater Radiator Matrix

26. If your heater is not blowing warm air or is leaking it is likely that the cores are blocked. Check outlets to find replacement.

- | | | | |
|--|---|--|-------------------------------------|
| | Upto 1969
MK1/2 Mini
17H8608 | | MK3 on
1970-84
37H7216 |
| | 1984-91
MK4 on
BAU5043 | | 1991 on
JEF10005 |
- Heater matrix outlet pipe replacements parts.
 - Pipe only for BAU5043 . . **Order as JEP10007MS**
 - Full kit for BAU5043 **Order as JEP10007**
 - Heater matrix outlet pipe replacements parts. Full kit for JEF10005 **Order as JEP10008**

Engine Core Plugs

- Core plug 41.4mm wide Cup type for all Cooper 'S' engines only **Order individually as AEH592**
 - Core plug 33.6mm wide Cup type for all A Plus engines and 1275cc non S engines . **Order as AEC876**
- Core plug 41.4mm wide Flat dish type for all early A series Pre A Plus **Order as 2K8169**

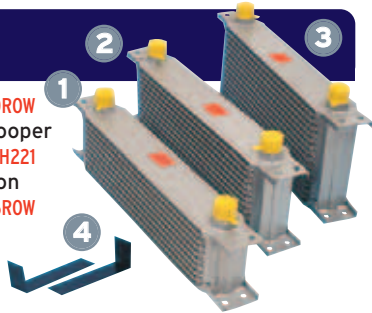


17 Oil Coolers, Hoses and Filters



Oil Coolers

- 10 row oil cooler. Order as MOC10ROW
- 13 row oil cooler as fitted to Cooper 'S' Order as C-ARH221
- 16 row oil cooler for competition use..... Order as MOC16ROW
- Original oil cooler brackets to fit on front subframe. Order individually as 21A1794



(Check clearance on latest cars).

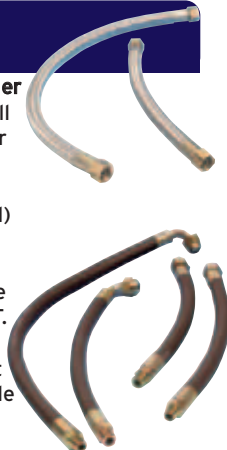
Oil Cooler Hose Kits

- Mini Clubman and specials usually require longer pipe kits than the standard Mini. Kits include all unions for easy fitment. Rubber is adequate for standard use but Braided is more durable and preferred for Competition Performance use.

If a pre engaged starter is fitted (integral solenoid) the oil cooler has to be mounted closer to the alternator resulting in longer pipes.

A-series engines up to 1992 had a block union size of 5/8" UNF and filter head union size of 1/4" NPT. From 1992 on, union sizes changed on all engines with a 12A prefix number and became universal at 11/16" UNF. The filter head for these is recognisable by casting part number LPX10027.

See chart below for part numbers



Braided Kit Code	Rubber Kit Code	Fits Mini	Block To Cooler	Filter Head Pipe To Cooler
C-AHT3	MOC100102	(Mini Clubman)	14" - 14.5"	24"
C-AHT4	MOC1013	(Mini)	12"	14"
MOC1017	MOC1015	Pre-engage starter to '92	15"	22"
MOC1016	MOC1014	(12A engine/1992 ON)	15"	22"

Oil Cooler Connections

- Oil temperature sender housing for special requirements when you need to know the temperature of the oil. Fitted before the oil cooler it will show maximum temperature reached. After the oil cooler it will show the more important temperature of the oil feeding the bearings. Order as MOC0T2
- 1" long from bend push-fit 1/2" BSP thread union to fit oil cooler with 90° bend. Order individually as MOC207
- 1" long from bend push-fit 1/2" BSP thread union to fit oil cooler with 45° bend. Order individually as MOC208
- Original oil cooler union for oil filter. Supplied in complete kits. Order as MOC2
- Original block union for oil cooler hose. Complete kits. Order as MOC1
- Equivalent to number 9 and 10 as a kit, but with push-on ends for using oil cooler hose on special fitment in pairs only. Order as MOC3



- Rubber oil-cooler hose sold per foot. i.e. 30cm. Order to length required as C-AHH8537

Oil Cooler Thermostat

- The Mocal oil control thermostat is designed to prevent flow of engine oil until it has reached correct working temperature of about 80°C. Prolonged use of engine oil where it cannot reach its correct working temperature can cause sludge and crank case dilution, leading to excessive wear in crank bearings and cylinder bores. Fits into any convenient place where pipes can be cut and oil pipes run parallel. Order as MOC0T1



Braided Oil Filter Hoses

- Braided pipe for oil gauge, made to the required length of 4ft ... Order as C-AHT9
- Engine blocks to oil filter housing braided pipe kit. See chart below for part numbers



Fits Mini	Block Union Size	Filter Head Union Size	Order hose & union kit as
Pre 1992	5/8"	1/4NPT	TAM2106BRAIDED
Pre 1992	5/8"	11/16"unf	MOC1019
12A engine/1992 on	11/16"unf	11/16"unf	MOC1018
12A engine/1992 on	11/16"unf	1/4NPT	MOC1020

Spin On Type Oil Filters



- a. Unipart first grade filter as fitted to new cars (spin on type). Order as GFE166
b. For twin point injection cars, 97on Order as GFE280
- Spin on type oil filter heads.
a. Fits engines pre 1992 with 1/4npt union thread size. Order as TAM2097
b. Performance strengthened filter head type in billet alloy to stop leakage with 1/4npt union thread size Order as 12A2032RACE
- MAGCOM pre filter magnet collects debris from engine oil. Screws to the block for spin-on type filter heads. Except MPI Order as MF001
- Remote oil filter kit. This kit fits all A series engines that have a 2 bolt fixing filter head and takes a spin on filter. Used by many motorsport enthusiasts to make the filter accessible where engine bay room is tight Order as RFK9



Top Quality Oil



- Good quality oil is very important in Mini's as it has the dual function of lubricating the engine and gearbox. Some oils have a detergent base in them for keeping engines clean, but this in turn can cause wear on such items as layshaft, differential pins and baulk rings. Many performance and race engines benefit by using synthetic oils, which help put a coating on parts to prevent wear. They should not be used for running-in periods, as synthetic oil also puts a coating on rings, which prevents them from bedding in and sealing properly. NOTE: Oil can only be sent with filter not as part of larger package.
- a. Classic Castrol 20W/50 oil supplied in retro style 1 gallon metal tin Order as CASTROL
b. Castrol jug, metal pouring pint jug Order as J105
 - Miller's oil specially formulated for Mini engine & gearbox.
a. 20W50, mineral Order as MILLERS001
b. 20W50, semi synthetic Order as MILLERS002
 - a. GTX 5 litre, 15W 40 grade Order as GTX
b. Unipart 20W50, Good general oil for standard engines or to run engines in before using synthetic oils Order as GUL7005T
c. Unipart Semi Synthetic 10W40, Superb all round use. Order as GUL2005B
d. Unipart Fully Synthetic 5W40 Order as GUL1005B





Fuel Pumps - High Performance

Increased engine performance often requires increased or regulated fuel flow, negative earth application only on following pumps

1. Interrupter pump with built in filter. Transistorised switching device instead of points. All three should be used with a separate regulator.

a. Silver top standard, 4.0-4.5 psi, 18 gallons per hour, ideal for high output engines using a twin choke carburettor, ie. Weber/Dellorto with chokes up to 45mm and all SU single carburettors plus most twin SU set ups, 1/8" NPTF threads. Uses 1/4" fuel line.



b. Silver top competition, 5.0-6.0 psi, 30 gallons per hour, ideal for high output engines using a twin choke carburettor, ie. Weber/Dellorto with chokes up to 45mm 1/8" NPTF threads. 1/4" fuel line

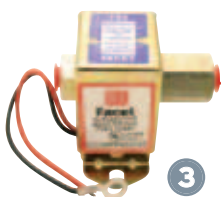
c. Red top, 6.0-7.25 psi, 40 gallons per hour, ideal for big bore/stroked engines with twin choke or split carburettors with a choke size of over 45mm. 1/4" NPTF threads. Must be used with 5/16" fuel lines



2. Facet fuel pump anti vibration and earth kit. Dampens pump ticking noise.

3. Solid state fuel pump. Must use separate filter.

a. Solid state road pump 2.5-3.0 psi, 12 gallons per hour, ideal for replacement of standard mechanical pump 1/8" NPTF thread. For use with single SU carburettor



b. Solid state fast road pump, 4.0-5.5 psi, 18 gallons per hour, ideal for replacing standard mechanical/electric pump. 1/8" NPTF thread sizes, for use with single SU and 1/4" twin SU carburettor set ups

c. Solid state competition pump, 6.0-7.25 psi, 25 gallons per hour, ideal for replacing standard SU mechanical or electric pump. 1/8" NPTF thread sizes for use with single SU and 1/2"-1 3/4" twin SU carburettor set ups

Fuel Filters/Regulators



4. Solid state pre pump filter. For all solid state pumps, this filter must be used to eliminate fuel tank debris damaging either the fuel pump or carburettor

5. Filter king regulator. 67mm alloy bowled fuel regulator/filter combined allows adjustment of fuel pressure for optimum power and fuel economy, a must for interrupter pumps. 6-8mm inlet/outlets (universal for 1/4" or 5/16" hose)

6. Filter King regulator. 67mm glass bowl version of FPR005, 6-8mm outlets/inlets

7. New 85mm glass bowl filter to provide a steady and constant fuel flow under all driving conditions. 5/16" fitting only. Prevents overflowing of carb filters with higher fuel capacity.

8. a. Purolator fuel filters. In line fuel filter toughened glass, cleanable, chrome finish ends 1/4" inlet/outlet unions. Any application except injection / turbo

b. Fuel filter, as per PRO804 but with 5/16" inlet/outlet unions.

9. Fuel pressure regulator for turbos.

10. Pro-flow adjustable fuel regulator universal kit fits both 1/4" and 5/16" pipes



Connections & T Pieces

11. 1/4" fuel T-piece, various applications. Useful on twin carburettor petrol tank set ups.



12. 5/16" fuel T-piece, various applications

13. 1/4" straight fuel union for all solid state and silver top pumps 1/8" NPTF thread sold individually

14. 5/16" straight fuel union as per FPA903

15. 5/16" straight fuel union for red top pump. 1/4" NPTF thread, sold individually

16. Angled fuel union. 5/16" 90° union for red top. 1/4" NPTF thread, pair

17. Angled fuel union. 5/16" 90° union for all solid state and silver top pumps, 1/8" NPTF thread

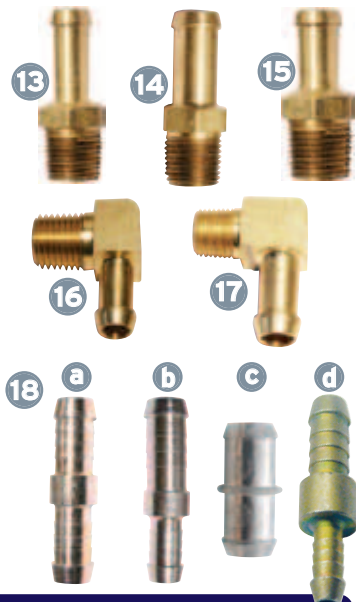
18. Hose reducers / connector.

a. 1/2" - 1/2"

b. 5/8" - 1/2"

c. 5/8" - 5/8"

d. 5/16" - 1/4"



Original Fuel Pumps

19. a. Original SU electric fuel pump fitted up to 1970. Can be fitted to positive and negative earth

AUF214 is also available with a solid state electric function in the same body.

b. Available for negative earth

c. Available for positive earth

20. Electric plastic bodied fuel pump.

21. Fuel pump that fits in tank for any injection engine



22. Mechanical fuel pumps.

a. For 998cc

b. For 1275cc 1990 on, cars with HIF44 pump.

c. For 1275cc 1991 on, cars with HIF38 pump.

23. Original type SU braided hoses originally used on Minis and BMC vehicles.

a. 22" long

b. 15" long

c. 11 3/4" long

d. 10" long

e. 7 1/2" long

f. 5" long

g. 2 1/2" long

24. The original clip as used on these hoses.

25. Redline additive enables unleaded petrol to be used safely in engines designed for leaded fuel. Treats 100 gallons (450 litres) from the 355ml bottle endorsed by the federation of British Historic Vehicle Clubs. For 355 ml

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19 Air Filters & Breathers



Oil And Air Filter Elements

1. a. HS2 carb type element (use 2 for twin carb Cooper & S).
..... Order individually as GFE1038
- b. HS4 carb type element.
..... Order as GFE1008
- c. HIF carb type element 1990on Coopers and Metro. Order as GFE1096
- d. Fuel Injection oval shaped element, single and twin point. Order as GFE1143
- e. Metro Turbo (but not ERA Turbo element). . Order as GFE1113
- f. Oil filter element to fit in metal canister pre spin on filter Order as GFE103
2. Oil filter element to fit in metal canister all Mini automatics Order as GFE104
3. Filter to manifold air duct hoses.
 - a. 5.5" long Order as 12H4344
 - b. Genuine Rover 3" long .Order as LKM10002



K&N Filter Maintenance

12. K&N six step air filter maintenance system.
 - a. Air filter cleaner and oil . . Order as 99-5000
 - b. Air filter oil - spray 6.5 oz. Order as SD0IL01
 - c. Air filter cleaner Order as SDCLEANER



Pipercross Air Filters

- Pipercross full flow high capacity foam air filters.
13. New KK155 filter for injection Mini. Order as C0155
 14. KK150 cone shaped filter specially designed for limited space on Mini and Metro to eradicate fouling on bulkhead etc.
 - a. For HS2 1 1/4" carburettor . . . Order as C1501
 - b. For HS4, HIF38 1 1/2" carburettor. Order as C1502
 - c. For HS6 1 3/4" carburettor . . Order as C1503
 - d. For HIF6/44 1 3/4" carburettor. Order as C1504
 15. Performance foam filter kit for MPI. Includes base plate, flexible fitting neck & full fitting kit. (not shown) . . . Order as PK071
 16. Air filter trumpet socks . Order pair as PXC1050



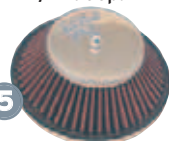
K&N Air Filters

Central hole variants will fit Minis depending on clearance, but the offset holes are designed to raise the filter to clear the Mini bulkhead.

3. Standard K & N filter, 1 7/8" deep, round type.
 - a. HS2 1 1/4" SU with offset hole Order as 56-1630
 - b. HS2 1 1/4" SU with central hole. . . . Order as 56-9121
 - c. HS4 1 1/2" SU with offset hole Order as 56-9128
 - d. HS4 1 1/2" SU with central hole Order as 56-1390
 - e. HS6 1 3/4" SU with offset hole Order as 56-9132
 - f. HS6 1 3/4" SU with central hole. . . . Order as 56-1400
4. Oval filters.
 - a. HIF6/44 1 3/4" SU with offset hole. 7 1/4" wide x 4 3/4" high x 1 3/4" deep. . . Order as 56-9142
 - b. Weber 40/45 DCOE 7 1/4" wide x 4 3/4" high x 2 1/2" deep Order as 56-9147
 - c. Weber 40/45 DCOE 7 1/4" wide x 4 3/4" high x 3 3/4" deep Order as 56-9265
 - d. Weber 40/45 DCOE 9" wide x 5 1/4" high x 1 3/4" deep Order as 56-9109
 - e. Weber 40/45 DCOE 9" wide x 5 1/4" high x 3 1/4" deep Order as 56-1360



5. Special cone filters, designed for filters between 2-2 1/2" deep.
 - a. HS2 1 1/4" SU offset cone filter. Order as 56-9335
 - b. HS4 1 1/2" SU offset cone filter. Order as 56-9320
 - c. HS6 1 3/4" SU offset cone filter. Order as 56-9327
 - d. HIF6/44 1 3/4" SU offset cone filter. Order as 56-9330
6. a. Single point injection cone filter and single hose fitting kit. Usually giving real power gains upto 6BHP. With fitting kit. Not Automatic Order as 57-0082
- b. Twin (multi) point injection cone filter with 2 hose kit as shown. Usually giving real power gains upto 6BHP. With fitting kit . . Order as 57-0189



K&N Long Life Elements

Long life performance filters made to replace the original. To fit in existing air cleaners chambers.

7. MG Metro Turbo Order as E2360
8. Mini and Metro HS4/HIF. Order as E2601
9. HS2 single, or use a pair for Cooper or 1300GT twin HS2 carburettors. . . . Order as E9001
10. Latest Mini fuel injection version Order as E9172
11. K&N Air filter cleaner. Order as SDCLEANER



Chrome Pancake Filter

17. Original foam filled chrome pancake filter for offset holes for Mini.
 - a. HS2 1 1/4" carb Order as PF101A
 - b. HS4 1 1/2" carb Order as PF102A



Crankcase Breathers

- Useful for emission control - All have 13mm (1/2") neck.
18. Crankcase breather with chrome top, hose neck Order as 62-1011
 19. Crankcase breather with blue top, hose neck Order as 62-1012
 20. Crankcase breather with red top, hose neck. Order as 62-1013
 21. K&N breather filter, with metal neck Order as 62-1010



Carburettor Dashpots & Stubstacks

	Anodised Red	Anodised Blue	Polished
HS4 1 1/2" SU	R23RED	R23BLUE	R23
HIF6/38/44 SU	R24RED	R24BLUE	R24
HS2 1 1/4" SU	R22RED	R22BLUE	R22

22. K&N Stubstack. Increases airflow when used in conjunction with K&N filter. For HS4 1 1/2" filter. Order as SS51
23. Mini Spares own carburettor stubstacks. Greatly increases airflow into carburettor, for performance engines.
 - a. Short for HS2 Order as C-AHT245
 - b. Long for HS2 Order as C-AHT246
 - c. Short for H4/HS4 Order as C-AHT247
 - d. Long for H4/HS4 Order as C-AHT248



The HS2 Mini Spares short stubstack will fit K&N pancake filters.



Genuine SU (Skinner's Union) Carburettor Spares

Worn carburettors not only give poor engine performance but are also costly in poor fuel consumption and harmful to the environment.

1. Float needle valve and seat.
 - a. Mini Spares Superflow carb jet with ball valve, far superior to anything else for HS2/4/6 Order as CA90
 - b. Original HS2/HS4/HS6 carburettor. Order as WZX1100A
 - c. Original HIF carburettor (not turbo). Order as WZX1099A
2. a. Complete float lid with needle valve and float, for HS2/HS4/HS6 single carburettor only Order as AUE266
 - b. Plastic float available separately for HS2/HS4/HS6 Carburettor . . . Order as LZX1300
3. HIF carburettor float and gasket kit. Order as WZX1509A



Carb Jet Assembly

4. a. HS2 Single carb jet Order as AUD9098A
 - b. HS2 Twin carb Left hand jet Order as AUD9141A
 - c. HS2 Twin carb Right hand jet Order as AUD9142A
5. HS4 Single carb red jet (see table below) Order as AUD9451A
6. HS4 Waxstat carb jet (see table below) Order as LZX1111A
7. Linkage set for Converting a Standard Pre 74 HS4 carb to the later Waxstat type jet . Order as BFS701SUL

Service & Rebuild Kits

8. Service repair kit including instructions, diagrams, new main jet, needle valve, gaskets and washers See table below for part numbers
9. Rebuild kits include service repair kit parts as above and throttle shaft, disc, 2 x bushes and screws See table below for part numbers



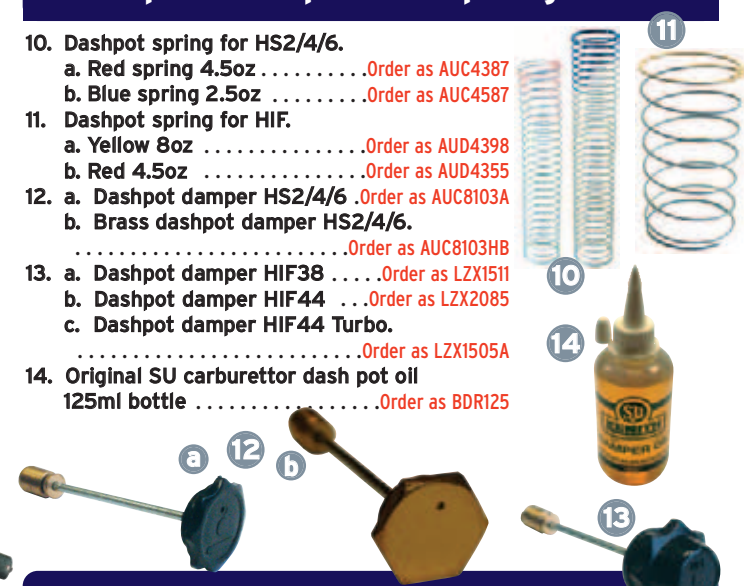
These jets are available separately as items 5 & 6

Disc with over run valve Plain throttle disc

	Service Repair Kit	Rebuild Kit	Spindle	Spindle Bushes	Throttle Disc
Single HS2 Carb	WZX1851	CRK104	WZX1310	AUD3079	WZX1320
Twin HS2 Carb	WZX1859	CRK101	WZX1310	AUD3079	WZX1320
Single HS4 Pre waxstat jet plain throttle disc	WZX1852	CRK219	WZX1177	AUD3080	WZX1324
Single HS4 Pre waxstat jet Over run valve throttle disc	WZX1852	CRK227	WZX1177	AUD3080	WZX1325
Single HS4 waxstat jet	CSK65	CRK121	WZX1177	AUD3080	WZX1324
Twin HS4 Carb	WZX1859	CRK254	WZX1177	AUD3080	WZX1323
HIF38 Carb	CSK94	CRK274	WZX1264	AUD3080	WZX1387
HIF44 Carb Not Turbo	CSK75	CRK167	WZX1127 threaded one end WZX1128 threaded both ends	AUD3080	WZX1414
HIF6 Carb Turbo only	CSK74	CRK269	WZX1128	AUD3080	WZX1183

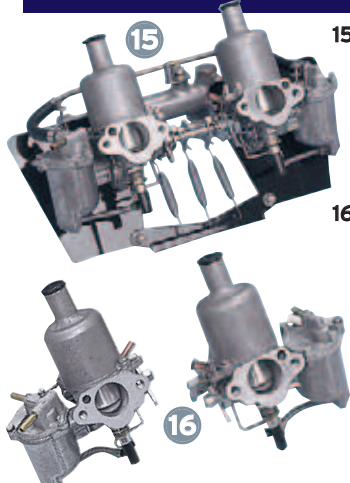
Dashpot Dampers & Springs

10. Dashpot spring for HS2/4/6.
 - a. Red spring 4.5oz Order as AUC4387
 - b. Blue spring 2.5oz Order as AUC4587
11. Dashpot spring for HIF.
 - a. Yellow 8oz Order as AUD4398
 - b. Red 4.5oz Order as AUD4355
12. a. Dashpot damper HS2/4/6 . Order as AUC8103A
 - b. Brass dashpot damper HS2/4/6. Order as AUC8103HB
13. a. Dashpot damper HIF38 Order as LZX1511
 - b. Dashpot damper HIF44 Order as LZX2085
 - c. Dashpot damper HIF44 Turbo. Order as LZX1505A
14. Original SU carburettor dash pot oil 125ml bottle Order as BDR125



Twin Carburettors

15. Pair of twin carburettors with manifold, linkage, heatshields etc, less air cleaners.
 - a. Twin HS2 (1.25") carburettor kit Order as FXZ3052
 - b. Twin HS4 (1.5") carburettor kit. Order as FXZ3054
16. Pair of twin carburettors only, without linkage.
 - a. Twin HS2 (1.25") carburettors only Order as AUD662
 - b. Twin HS4 (1.5") carburettors only Order as C-AUD640
 - c. Twin H4 (1.5") for original works cars or historic events. Order as C-AUD178.(Special Order)
 - d. Twin HS6 (1.75") carburettors only Order as C-AUD641



Single Carburettors

17. Single HS4 (1.5") SU carb with red plastic jet, fitted up to introduction of waxstat type Order as FXZ3003
18. a. Single HIF44 (1.75") SU carb, recognised as the ultimate performance carburettor. When set up properly, can produce power outputs comparable with most twin choke carbs, yet be more economical Order as FXZ3006
 - b. Single HIF38 (1.5") SU carb as used on 1275cc Mini Sprite and modern day improvement on HS4 carb. Order as FXZ3004
 - c. Single HIF6 (1.75") Metro Turbo only Order as FXZ1435
19. Single HS4 SU carb (1.5") with metal waxstat jet, fitted up to introduction of HIF range Order as FXZ3013



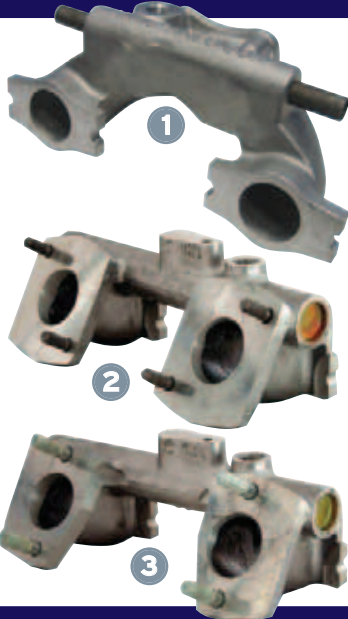
21 Inlet Manifold



Mini Spares Inlet Manifolds

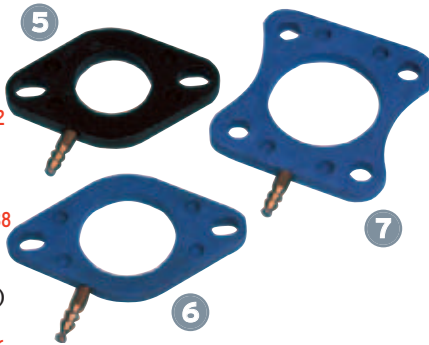
Flowbench Designed Manifolds which, in standard form, outflowed everything available on the market.

- Inlet manifold for single HS4/6 and HIF SU carburettor up to 1380cc** irrespective of state of tune. Order as **C-AHT770**
- Inlet manifold to fit twin carburettors. HS4/6.** Order as **C-AEG489**
- Inlet manifold to fit twin carburettors. HS2.** Order as **C-AEG488**
- Bracket for HS4/6 carburettor throttle return springs.** When no heatshields are fitted. Order as **C-AHT239**



Manifold Spacers

- Manifold spacer with facility for vacuum gauge 0.295" thick (7.5mm) for 1 1/4" SU HS2 or H2.** Order as **MFA132**
- Manifold spacer with facility for vacuum gauge 0.295" thick (7.5mm) for 1 1/2" SU HS4.** Order as **MFA338**
- Manifold spacer with facility for vacuum gauge breather 0.250" (6.3mm) thick for HIF44 HS6 1 3/4" SU.** Order as **MFA446**



Heatshields



- For HS2/HS4 Twin Carburettors, with link bar and springs.
- Stainless steel twin HS2 heatshields.** Order as **MSSK1005**
 - Black powder coated twin HS2 heatshields.** Order as **MSSK008**
 - Stainless steel twin HS4 heatshields.** Order as **MSSK1006**
 - Black powder coated twin HS4 heatshields.** Order as **MSSK1004**
 - Twin carburettor linkage kit,** includes accelerator bracket for manifold, two cross bars and linkage, plus choke and throttle cable trunnions. Order as **MSSK009**
 - Carb HIF44 abutment bracket** fits between the manifold and the HIF44 (1.75") carb. Order as **CAM4942**

Inlet Manifolds (Weber)

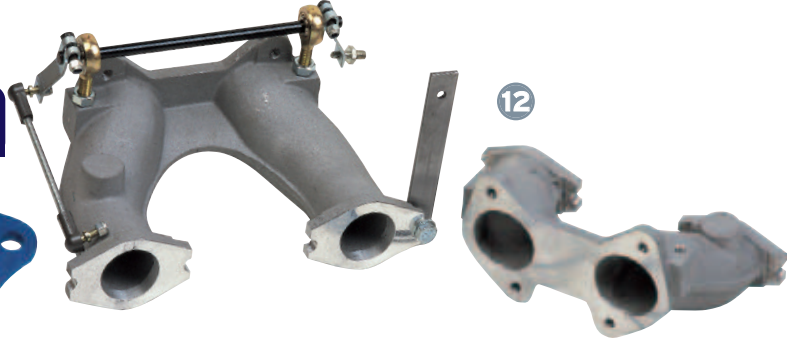
Mini Spares designed an alloy manifold that outflows the steel ones off the shelf, is extremely consistent port to port, and greatly reduces port-biasing of the mixture.

The performance test results were as follows:- Tested by Mike Parry at Race Techniques at 25" pressure drop. Bare head used flowed 124CFM.

	STEEL	MINI SPARES
3.75"	116.2 CFM	116.8 CFM
6.00"	116.6 CFM	117.4 CFM

The higher the CFM, the better the flow

The manifolds tested were all unfettled, in fact the alloy ones were straight out of the casting box. Mike tidied up very slightly the short manifold to see what happened, and the flow went up to 117.2CFM. Another benefit of the alloy manifold, is scope for modifications, which can increase flow even further. We expect the flow figures to be higher on the finish machined manifolds.



- The manifolds come complete with a spherical rod end jointed linkage, which mounts directly to the manifold to eliminate flexing. The low line of the linkage makes it ideal for Sprite and Midget applications.
 - 3.75" long 40/45/48 DCOE/DHLA** Order as **C-AHT772**
 - 5.00" long 40/45/48 DCOE/DHLA** Order as **C-AHT773**
 - 6.00" long 40/45/48 DCOE/DHLA** Order as **C-AHT774**
- When using side draught twin choke carburettors, it is essential to mount them to the inlet manifold correctly to avoid fuelling problems caused by engine harmonics. These Swedish made Misab plates are considered the absolute best. Carburettor mounting plate for 40/45 Weber Order individually as **MAG230**

Steel Manifolds

- Steel Manifold manifolds.**
 - A pair of split Weber manifolds, 3 1/2" long, upswept. Order as **C-AHT775**
 - 45 DCOE/DHLA, 5" long. Order as **C-AHT776**
 - 45 DCOE/DHLA, 7" long. Order as **C-AHT776A**
 - 45 DCOE/DHLA, 3 1/2" long Order as **C-AHT777**
 - 48 DCOE/DHLA, 3 1/2" long Order as **C-AHT778**
 - 48 DCOE/DHLA, 5" long Order as **C-AHT779**
 - 48 DCOE/DHLA, 7" long Order as **C-AHT780**



- Note: e, f and g are customer's order only
- HS4/6, H4 twin SU manifold.** 1 1/2" bore carb size. With narrow balance pipe ... Order as **C-AEG490**
 - HS4/6, H4 twin SU manifold.** 1 3/4" bore carb size. With narrow balance pipe. Order as **C-AEG491**





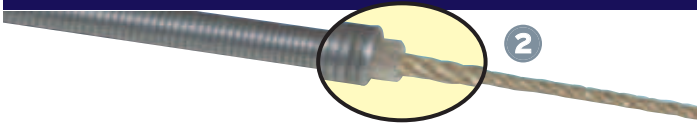
Throttle Body

- Throttle body standard 48mm**
Alloy replacement for cracked or warped plastic units. MPI only.Order as **ABF622**
 - Throttle body 52mm.** 17% increase in choke area and a fully opening throttle disc. Best used in conjunction with other small engine and exhaust modifications but will probably require modification to the ECU for best results. MPI only ...Order as **ABF637**



Throttle Cable

- ST single throttle cable, over 5" longer than standard with a nylon inner sleeve to prevent sticking.** Inner cable has crimped ends to prevent fraying. Ideal for Weber or SU fittings.Order as **C-AHT85**



Twin Cable Linkage for Webers



- Twin cable linkage kit for Weber carburetors** on any manifold that does not have its own specific linkage points such as Manifold. Ideal for racing, offering fail safe twin cableOrder as **LP403**

45 DCOE CARBURETTOR

- For ultimate power** many engine tuners use the well proven side draught Weber 45DCOE or OCR 45DCOE which are identical. We are able to offer the Weber 45DCOE carburettor only but do not keep any weber or OCR replacement chokes or jets in stock. Unfortunately we are unable to advise on settingsOrder as **C-AHT143**



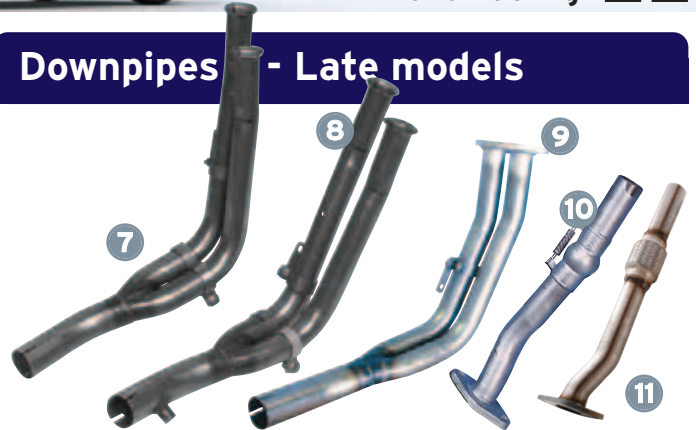
Manifolds - A Series In-line

- Sprite standard bore freeflow exhaust manifold** which has exit pipe dimensions of 1.625" outside diameter and 1.5" internal diameterOrder as **C-AHT11**
 - Sprite large bore freeflow exhaust manifold** which has exit pipe dimensions of 2" outside diameter and 1.875" internal diameterOrder as **C-AHT12**
- Morris Minor standard bore freeflow exhaust manifold** which has exit pipe dimensions of 1.625" outside diameter and 1.5" internal diameter.(special order) Order as **LM052**
 - Morris Minor large bore freeflow exhaust manifold** which has exit pipe dimensions of 2" outside diameter and 1.875" internal diameter(special order) Order as **LM053**



Exhaust Manifolds for in-line 'A' series engines, will not fit Mini transverse engines.

Downpipes - Late models



Specially designed to fit the existing exhaust manifold for vehicles from 1990 onwards. Y piece outlet end is 1.875" outside diameter, 1.75" inside diameter.

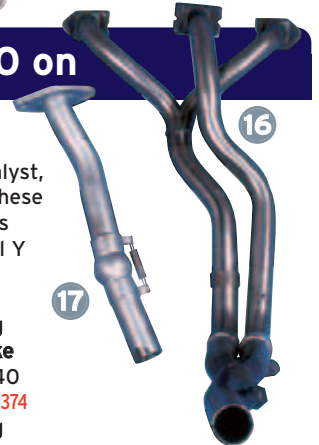
- These are the downpipes to fit the original exhaust manifold on Mini Cooper and MG Metros** when using HIF6/44 carburetors. This allows you to delete the catalyst and fit an RC40 complete system.Order as **C-AEG367**
 - The same downpipes as No.7 but with a Lambda sensor take-off** for use when retaining the catalyst. These downpipes bolt to the original exhaust manifold and come complete with item No. 10.Order as **C-AEG370**
 - These are the downpipes to fit onto the original exhaust manifold** when deleting the catalyst on fuel injected Coopers and fitting an RC40 complete system.Order as **C-AEG372**
 - The same downpipes** (item No. 9) used with pipe (item No. 10) when retaining the catalyst and fitting to the existing manifold on fuel injected cars. Sold as a pairOrder as **C-AEG371**
 - The manifold to catalyst pipe** has a stainless steel ball for easy fitment, flexibility, and must be used on the fuel injected, (T.B.I) cars to alleviate damage to manifold neck.Order as **C-AEG375**
 - The manifold to catalyst pipe in stainless steel with flexi joint.** For fuel injected carsOrder as **RC40-016**
 - Flanged Nut for exhaust stud**Order individually as **FX108047**
 - Stud for exhaust downpipe flange**Order individually as **TD108051A**
 - Catalyst gasket 2 required**Order individually as **GEX7761**
 - Down pipe to manifold gasket**Order individually as **GEX7779**



LCB Manifolds 1990 on

Long centre branch system to replace existing exhaust manifolds on catalyst type vehicles. When retaining the catalyst, the knuckle jointed pipe is included. These are for vehicles after 1990 and vehicles with catalysts from approx 1992 on. All Y piece outlet ends are 1.875" outside diameter, 1.75" internal diameter.

- LCB exhaust manifold for fitting fuel injected cars with a sensor take off** and catalyst removed to fit RC40 complete systemOrder as **C-AEG374**
 - LCB exhaust manifold for fitting carburettor version cars** when catalyst removed to fit RC40 complete systemOrder as **C-AEG373**
 - LCB exhaust manifold C-AEG374** (16a) but includes link pipe no.17 for fitting when catalyst is retained on fuel injected carsOrder as **C-AEG369**
 - LCB exhaust manifold C-AEG373** (16b) but includes link pipe no.17 with a sensor take off for use when retaining catalyst for carb versionsOrder as **C-AEG368**
- Link pipe from catalyst to LCB with stainless steel knuckle to prolong life.** Also gives that extra bit of ease when fitting and flexibility in the system to overcome movement damage. This pipe is included in kits 16c and 16d.Order as **C-AEG375**



23 Exhausts and Exhaust Manifold



Millennium Manifold

- The new Millennium exhaust manifold has state of the art pre shaped exhaust flanges saving engine tuners time and effort improving maximum airflow.
 - Fits pre 1990 Minis Order as C-AEG364
 - For injection Minis Order as C-AEG363



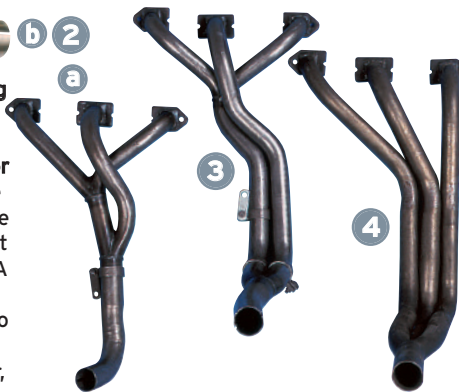
Exhaust Components

- 'Y' piece for large bore LCB (C-AHT289) with correct clamps. Order as C-AHT198
- 'Y' piece for Manifold LCB (C-AEG365) with correct clamps Order as C-AHT197
- Collector for 3 into 1 large bore manifold, (C-STR336) does not have clamps. . . Order as C-AHT199
- Catalytic Converter Replacement Pipe. Order as C-ARA664
- a. 1 5/8" (1.625") LCB manifold clamp for C-AHT197. Order as C-AHT97
b. 1 1/2" (1.5") LCB clamp for manifold to gearbox housing preventing breakage, (supplied with manifolds) Order as C-AHT94
c. 1 7/8" (1.875") manifold clamp for C-AHT198. Order as C-AHT121
- a. Conversion neck for fitting larger bore RC40 or 1 3/4" pipe to original exhaust manifold. . . Order as LDP1
b. Conversion neck for fitting an 1 3/4" rear box to a standard bore front pipe of a 988cc Mini. Order as LDP2



Exhaust Manifolds - Pre 90 & Race

- a. The Freeflow exhaust manifold replaces the original type used on Cooper and Cooper 'S' cars. This is a very efficient little manifold and slightly quieter than the LCB versions. The RC40 exhaust fits onto this without any modifications. The freeflow manifold outlet end is 1.75" outside diameter, 1.625" (1 5/8") internal diameter. Ideal for all road going Minis, particularly small bore engines. Order as C-STR816
b. Downpipe to convert freeflow manifold to LCB length. For fitting exhausts designed for LCB Order as L71

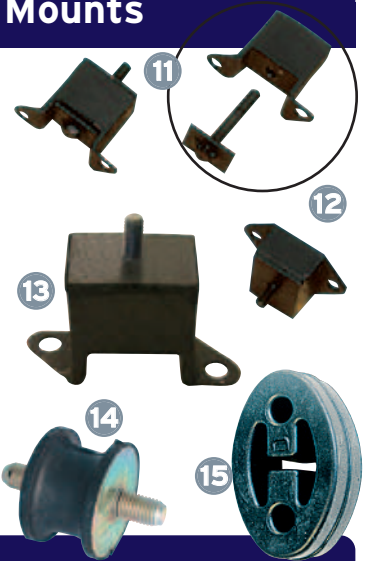


All Long Centre Branch Manifolds have Y piece and gearbox clamps.

- The original LCB (long centre branch) denoted by the detachable Y piece for ease of fitting. These have proved to be the most efficient exhaust manifolds for Minis. A clamp is provided on the manifold to bolt to the gearbox differential side cover, to stop fracture and excess movement. Check engine rock as failure to fit the bracket will invalidate guarantee.
 - Small bore LCB's for 850/998/1100cc have Y piece outlet end of 1.5" outside diameter, 1.375" internal diameter . . Order as C-STR817
 - Standard bore LCB for all-round road use including tuned cars. Y piece outlet end is 1.875" outside diameter, 1.75" internal diameter Order as C-AEG365
 - Standard bore LCB as above in stainless steel. Order as C-AEG365S
 - Standard bore LCB for the Metro, same as (b) but 0.375" shorter to suit metro engine bay and Mini small bore engines. Order as C-AEG366
 - Standard bore LCB with larger centre pipe. Manifold stage 2. Order as C-AEG376
 - Large bore LCB for competition use or large bore engines such as 1400cc. Y piece outlet end is 2" outside diameter, 1.875" internal diameter Order as C-AHT289
- The only three into one adapted for the road with clamps for sealing the downpipe collector for quietness and efficiency, hence downpipes 0.125" smaller than (b). These have been found to be very useful on certain applications of 1275-1400 engines where mid-range torque and fuel economy are paramount. Collector piece outlet end is 1.875" outside diameter, 1.75" internal diameter. Order as C-STR340
b. Three into one collector type manifolds are usually fitted to race engines with camshaft durations of over 300 on 1275cc and big bore units. Collector outlet end is 1.875" outside diameter, 1.75" internal diameter. Order as C-STR332
c. Large bore three into one race manifold is really for 1400cc engines where long duration camshafts over 305 are used. Collector outlet end is 2" outside diameter, 1.875" internal diameter Order as C-STR336

Exhaust Mounts

- Competition middle exhaust mounting as used on works cars. Shown apart to show modification carried out to make it much stronger. Order as C-19G3257
- Larger, stronger rear exhaust mounting as used by works cars will usually fit earlier subframes on existing holes in either the middle or side exit position. . . . Order as C-19G3258
- Rubber middle exhaust mounting. . . . Order as GEX7081
- Cotton reel mounting. Order as GEX7251
- Rubber hanger strap as used from 1992 on . Order as DBP7104



Peco Exhausts

Small and large bore denotes size of inlet pipe. All tailpipes on Peco are the same size. All have 2 1/4" chrome tailpipes
Small bore Peco silencers are for, 850/998/1100cc engines and have a 1 3/8" outside diameter and 1 1/4" internal diameter inlet.
Large bore Peco silencers are for 1275cc upwards and have a 1 7/8" outside diameter and 1 3/4" internal diameter inlet.

- Large bore with upswept single chrome tail pipe. Order as PECO-BB1-7
- Small bore with upswept single chrome tail pipe . Order as PECO-BB1-6
- Large bore with twin upswept chrome pipe. Order as PECO-BB1-4T
- Small bore with twin upswept chrome pipes. Order as PECO-BB1-3T
- Single rear box from catalyst back Order as PECO-BB2





Millennium Range

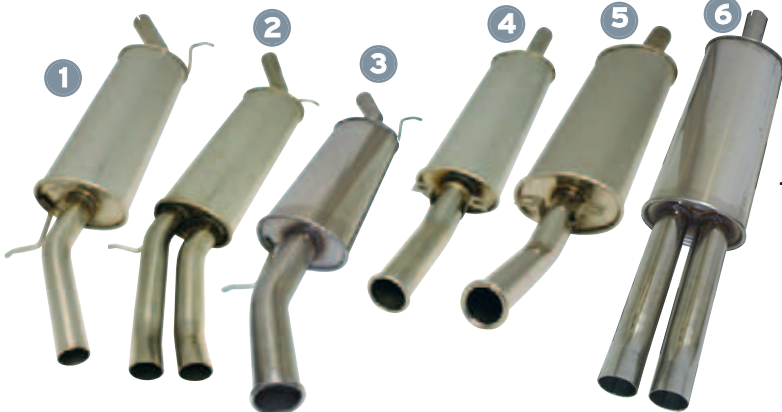
The NEW Millennium range of RC40 exhaust systems all use the optimum size 1.75" (1.625" internal) tubing for maximum performance and efficiency.

These are available in a variety of different size tailpipes and style options. There are two alternatives of material in the range. Either T304 stainless steel with lifetime guarantee or mild steel with a stainless steel internal pipe for anti-corrosion strength and tailpipe for enhanced appearance.

Rolled Edge DTM Style



- 1. S/Steel side exit, standard bore tailpipe Order as RC40-051
- 2. S/Steel side exit DTM style 2" tailpipe Order as RC40-052
- 3. a. S/Steel side exit single large bore 2.25" tailpipe. Order as RC40-053
- b. Mild Steel single large bore 2.25" tailpipe Order as RC40-010
- 4. a. S/Steel centre exit standard bore tailpipe Order as RC40-054
- b. Mild Steel centre exit standard bore tailpipe. Order as RC40-011
- 5. a. S/Steel centre exit large bore 2.25" tailpipe Order as RC40-056
- b. Mild Steel centre exit large bore 2.25" tailpipe . Order as RC40-012
- 6. S/Steel centre exit DTM style tailpipe Order as RC40-055



- 7. Downpipes to rear single box silencer when no catalyst fitted.
 - a. Stainless Steel downpipe from Freeflow manifold (C-STR816) to rear silencer. (as item 17) Order as RC40-058
 - b. Stainless Steel downpipe from LCB manifold (C-AEG365) to rear silencer. (shorter version of item 17) Order as RC40-059
 - c. For a mild steel downpipe use AN180V (as item 17 and cut if necessary).
- 8. Downpipe with intermediate silencer when no catalyst fitted.
 - a. Stainless Steel downpipe with intermediate silencer from Freeflow (C-STR816) to rear silencer Order as RC40-060
 - b. Stainless Steel downpipe with intermediate silencer from LCB (C-AEG365) to rear silencer Order as RC40-061
 - c. Mild Steel downpipe with intermediate silencer from Freeflow (C-STR816) to rear silencer (cut downpipe to length for LCB) Order as RC40-013

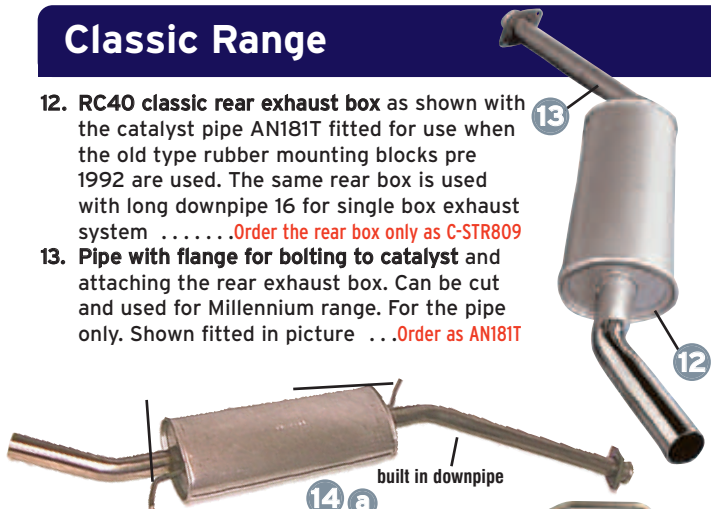


- 9. Intermediate silencer from catalyst to the rear silencer box, when you are installing a twin rear box system
 - a. Stainless Steel Order as RC40-062
 - b. Mild Steel Order as RC40-014
- 10. Catalytic converter assembly.
 - a. 1275cc 1990 On Order as RV8009
 - b. Sports type Order as RC40-015
- 11. Connecting Pipes from catalyst to Single Box Rear System.
 - a. Stainless Steel pipe from catalyst to rear silencer. Order as RC40-057
 - b. For mild steel use AN181T and cut to length required.

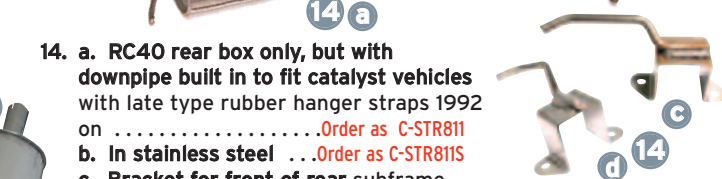


Classic Range

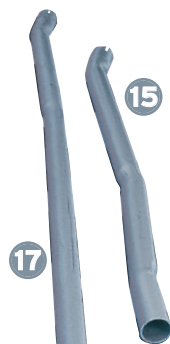
- 12. RC40 classic rear exhaust box as shown with the catalyst pipe AN181T fitted for use when the old type rubber mounting blocks pre 1992 are used. The same rear box is used with long downpipe 16 for single box exhaust system Order the rear box only as C-STR809
- 13. Pipe with flange for bolting to catalyst and attaching the rear exhaust box. Can be cut and used for Millennium range. For the pipe only. Shown fitted in picture . . . Order as AN181T



- 14. a. RC40 rear box only, but with downpipe built in to fit catalyst vehicles with late type rubber hanger straps 1992 on Order as C-STR811
- b. In stainless steel . . . Order as C-STR811S
- c. Bracket for front of rear subframe when required Order as C-ARA670
- d. Bracket for rear of rear subframe when required Order as C-ARA671



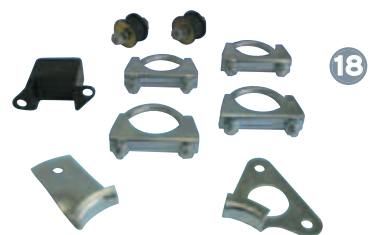
- 15. This downpipe is not part of the RC40 system when ordered. State type of pipe required.
 - a. Short pipe that joins RC40 twin box system to Freeflow exhaust manifold. When fitting to a LCB type manifold, the flared end with slots needs to be cut off. Order as RC40-001
 - b. Short pipe that joins RC40 twin box system to a standard bore LCB. To save cutting item 15a. Order as RC40-002



- 16. Twin box only RC40 performance system which does not include pipe item 14, was designed specifically for Minis by computer and flow bench tested for maximum efficiency and economy, also tested and epitomised in Vizard's 'A' series tuning books. No power loss in engines up to 125 bhp. 1.75" pipe size with internal diameter of 1.625" but entrance hole is flared to 1.75" internal to take item number 14. Order as RC40



- For stainless steel version use Millennium range.
- 12. RC40 rear box only for use with item number 16 has entrance hole flared to accept 1.75 inlet. Order as C-STR809
 - 17. Pipe for fitting Freeflow exhaust manifold to RC40 single box. When using a LCB type manifold the flanged end piece will require cutting off. Order as AN180V
 - 18. Fitting kit for RC40 when you are not using the rubber hanging straps as fitted from 1992 on . . . Order as RC40FK



For Money Saving Kits see page 25



25 Exhausts and Exhaust Kits

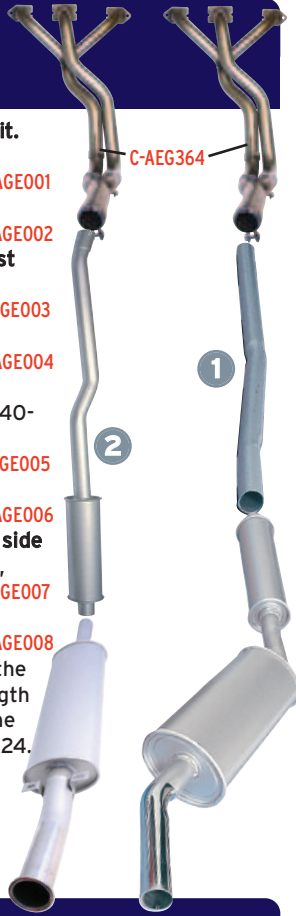
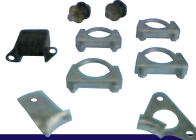


Manifold and Exhaust Packages

1. a. Original RC40 exhaust and fitting kit. (This kit includes, RC40, RC40-002, RC40FK) Order as RC40PACKAGE001
 b. as above with Millennium exhaust manifold (C-AEG364) Order as RC40PACKAGE002
2. a. Millennium RC40 centre exit exhaust and fitting kit (RC40-011, RC40-013, RC40FK) Order as RC40PACKAGE003
 b. as above with Millennium exhaust manifold (C-AEG364) Order as RC40PACKAGE004
 c. Millennium RC40 large bore outlet centre exit exhaust and fitting kit (RC40-012, RC40-013, RC40FK) Order as RC40PACKAGE005
 d. as above with Millennium exhaust manifold (C-AEG364) Order as RC40PACKAGE006
 e. Millennium RC40 large bore outlet side exit exhaust and fitting kit (RC40-010, RC40-013, RC40FK) Order as RC40PACKAGE007
 f. as above with Millennium exhaust manifold (C-AEG364) Order as RC40PACKAGE008

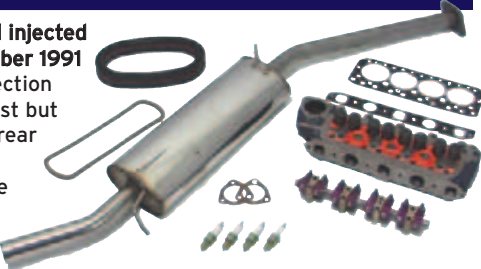
NOTE: For all Millennium kits No.2 above the exhaust downpipe will need cutting to length required. For more information on all of the above components please see pages 23 & 24.

All supplied with complete fitting kit RC40FK.



Performance Kits for Coopers

3. Kit For 1275cc fuel injected engines from October 1991 on. Kit for fuel injection cars retains catalyst but uses RC40 single rear box. Kit includes modified large race spec valve lead free modified Mini Spares Super Sport cylinder head, roller tip rocker gear, replacement air filter element, gaskets, spark plugs, RC40 rear box and fitting kit. On single point cars 20-25% extra power can be expected, but on twin point cars 20% is the norm. Keith Dodd has this kit fitted on his twin point and finds the car is far quicker at top end & has improved acceleration throughout the rev range.
 a. For single point car Order as C-STN20
 b. For twin point car Order as C-STN21
4. Bolt on Performance kits for Cooper 1275cc cars from 1990 on, with HIF44 1.75" carburettor. Kit includes modified large race spec valve lead free modified Mini Spares Super Sport cylinder head, roller tip rocker gear, replacement air filter element, gaskets, carburettor needle HIF44, freeflow exhaust manifold, RC40 rear box, down pipe and fitting kit. To fit this kit a knowledge of cylinder head replacing, timing and carburettor adjustments is required Order as C-STN19
5. Budget Performance Kit. The above kits with Road Sport cylinder head and forged rockers, which gives near identical power in all ways as with number 4a and 4b. This is a beneficial cost cutting exercise.
 a. For single point car Order as C-STN20BUDGET
 b. For twin point car Order as C-STN21BUDGET
6. A pipe to replace the catalytic converter is available where local laws permit (suitable for both the above kits 4 & 5). Order as C-ARA664



Manifold Exhaust Systems

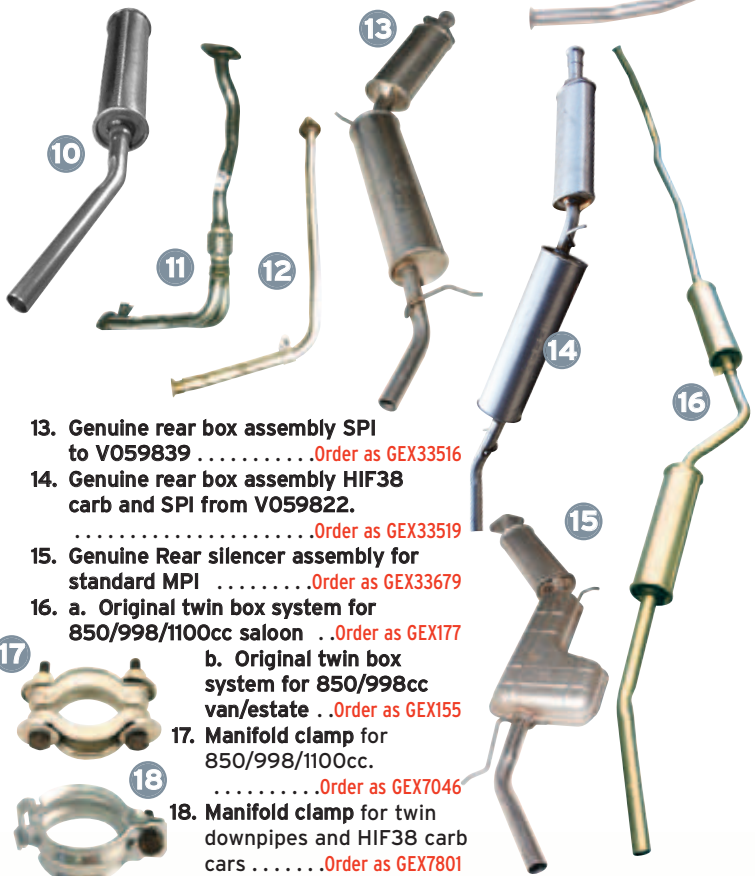
Manifold exhaust systems are stocked for specific performance uses and they are not as quiet as the RC40

7. Rear side exit exhausts, fitted in original positions of Mini as per Rover.
 a. 2" bore single box exhaust system. Not road legal except for turbos. Order as C-ARA333
 b. 2" bore twin box exhaust system. Order as C-ARA334
 c. 1 3/4" bore twin box system for fuel injected (TBI) Minis when retaining catalyst. Joining pipe with a built-in knuckle and twin boxes for late type hangers only. Order as C-ARA336
 d. 1 7/8" bore twin box system for fitting to LCB when no catalyst fitted or required. Order as C-ARA337
 e. 1 3/4" standard bore twin box Order as C-ARA331
 f. 1 3/4" standard bore twin box system for mini van, pick up, estate Order as C-ARA339
 g. 1 7/8" twin box system for van. Order as C-ARA342
 h. 1 3/4" standard bore single box system with twin upswept DTM style tailpipes. Order as C-ARA340
8. Centre exit exhaust systems.
 a. 2" bore twin box system Order as C-ARA335
 b. 1 7/8" bore twin box system Order as C-ARA338
 c. 1 3/4" bore twin box system Order as C-ARA332



Standard Exhaust Systems

9. Original Downpipe for 850/998/1100cc mini saloon Order as GEX1390
10. Rear single box 850/998/1100cc Order as GEX3288
11. Downpipes for SPI and MPI Order as GEX12043
12. Downpipes for HIF38 carb cars Order as GEX12052



13. Genuine rear box assembly SPI to V059839 Order as GEX33516
14. Genuine rear box assembly HIF38 carb and SPI from V059822. Order as GEX33519
15. Genuine Rear silencer assembly for standard MPI Order as GEX33679
16. a. Original twin box system for 850/998/1100cc saloon Order as GEX177
 b. Original twin box system for 850/998cc van/estate Order as GEX155
17. Manifold clamp for 850/998/1100cc. Order as GEX7046
18. Manifold clamp for twin downpipes and HIF38 carb cars Order as GEX7801





Mini Spares Stage One Kit

1. Stage one kits for For 998cc / 1100cc / 1300cc engines

- The engine will require adjustment/tuning after fitment and specialist equipment or knowledge is required. It is advisable to have the car set up on a rolling road and ensure exhaust emissions and ignition timing are correct.
- This proven kit is not recommended for vehicles with factory fitted engine management control units, 1275cc - Oct.1991 on.
- Fitting of extra engine/gearbox stabilisers is recommended.



This kit includes:

- Freeflow exhaust manifold.
- Mini Spares inlet manifold.
- RC40 / RC40-010 / RC40-012 exhaust system and fitting kit depending on kit.
- K&N filter element.
- Replacement carburettor needle (spring loaded BIAS type).
- Manifold gaskets and carburettor gaskets.
- Full fitting instructions.

Beware: Instructions must be read carefully. Although the stage one kits are bolt on parts, easily fitted by any person with mechanical knowledge, points a, b and c at top of page must be understood.

Stage One Plus Kit with LCB



2. Millennium tuning package with LCB.

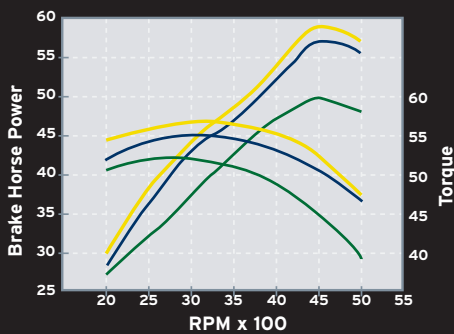
This kit is for people going a stage further than our recommended stage one kit. i.e. cylinder head or camshaft change, it therefore has no carb needle and should be set up on a rolling road for maximum power and economy **Order as C-STN16**

STAGE 1 KIT For mini with	Kit with Twin Box Silencer RC40 & RC40-001	Kit with Large Bore Centre Exit RC40-012 & AN180V	Kit with Large Bore Side Exit RC40-010 & AN180V
998/1100cc	C-STN17	C-STN17A	C-STN17B
1275cc HIF38/HS4 carb	C-STN18	C-STN18B	C-STN18C
1275cc HIF44 carb	C-STN18A	C-STN18D	C-STN18E

All our tuning kits use exhaust pipes with 1.625" optimum internal bore size - extensive dyno tests have proved this to be the best! Larger sizes loose usable power.

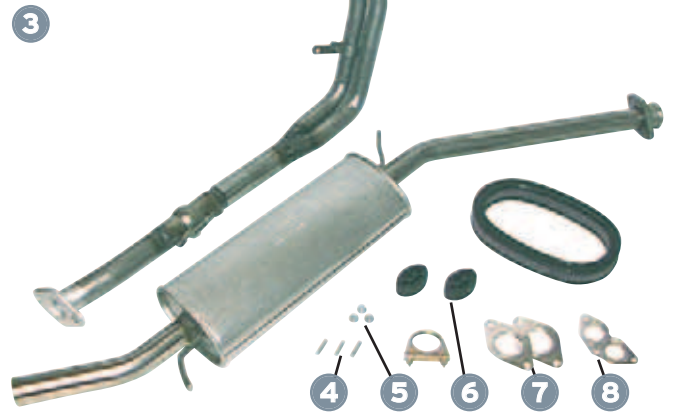
RESULTS OBTAINED FROM FITTING 998 KIT:

- 20% more power
- 12% more torque
- Best mpg 55
- Worst mpg 42
- Average mpg 47
- No significant noise increase



- Standard induction and exhaust system
- Modified system using MG Metro inlet manifold
- Modified system using Mini Spares' inlet manifold

Stage One kit



For all fuel injected cars

- 3. Stage One Kit.** If your front downpipe or exhaust are getting tired then change to this conversion and get extra power for little expense. New better flowing downpipe with flexible knuckle to catalyst and a single rear silencer box section from catalyst back plus all gaskets and fittings required. **Order as C-STN22**
- 4. Stud for exhaust downpipe flange.** **Order individually as TD108051A**
- 5. Flanged Nut for exhaust stud** **Order individually as FX108047**
- 6. Rubber hanger strap** **Order as DBP7104**
- 7. Catalyst gasket 2 required.** **Order individually as GEX7761**
- 8. Down pipe to manifold gasket** **Order individually as GEX7779**



Your hard work and our parts keeping your Mini on the road.

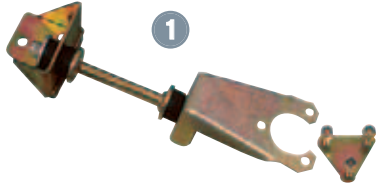




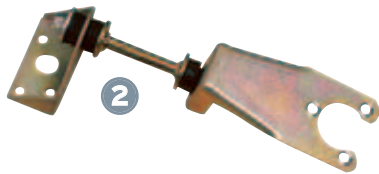
27 Engine Mounts & Stabilisers

Engine Stabilisers

1. **The original ultimate engine stabiliser kit complete with bushes.** This is the left hand drive version which bolts to the thermostat housing and the smaller end to the bulkhead. The bulkhead end needs to be drilled and the triangular plate with studs, as shown, fits up through the master cylinder box area inside the car, on the underside of the bulkhead area you have drilled.



The kit as shown with the three thermostat holes is for 1275cc cylinder heads and L/H/D without sandwich plate. **Order as MSSK1302**



2. **Ultimate engine stabiliser** for the latest 1275cc cylinder heads where a sandwich plate is fitted under the thermostat housing. Fits all R/H/D cars from 1990, except twin-point **Order as MSSK1301**

3. **a. Ultimate engine stabiliser - Painted black.** This is the original ultimate engine stabiliser for 850, 1000 and 1100cc cylinder heads. Fits from the thermostat housing and end manifold stud. The other end bolts to the bulkhead where the heater hoses go through. **Order as MSSK1000**



b. L/H/D kit for all non 1275cc heads, that is 850,998, 1100 which uses only two thermostat holes, because of its different position **Order as MSSK1000L**

4. **The original ultimate engine stabiliser painted black.** Fits all 1275cc R/H/D cylinder heads pre 1990 without a sandwich plate. Fits to the thermostat housing and end manifold stud and also onto the bulkhead where the heater pipes go through. **Order as MSSK1300**



Adjustable Engine Stabiliser

5. **Adjustable Engine stabiliser bar** allowing engine to be positioned at different angles to allow the fitting of turbos, oversized filters, or when needing extra clearance, this adjustable bar is essential **Order as MSSK1305**



Engine Mounts



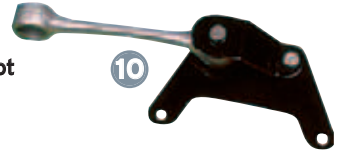
- 6. **a. Engine mounting, genuine.** **Order as 21A1902**
- b. Engine mounting, Mini Spares budget.** **Order as 21A1902MS**
- c. Automatic left hand** ... **Order as 22A1018**
- d. Automatic right hand** ... **Order as 22A917**
- 7. **Mini Spares engine mounting, easy-fit fixed nuts** **Order as 21A1902ST**
- 8. **All metal competition engine mountings** for racing only. **Order individually as C-19G3256**
- 9. **Two piece poly engine mounting** using a pin to secure the two halves, for engine removal or replacement. **Order as 21A1902POLY**

All engine mounts are sold individually

Bolt Repair Stabilisers

10. **If any of the bolts from your original engine stabiliser bar break off in the block and can not be removed, the following four kits should rectify the problem.** The engine stabiliser bar (21A1109) shown in the picture is not included but shown as a guide only. All other parts and instructions are included.

- a. If only the longer engine block bolt** that goes through the bushes is broken and there is no breather fitted to the clutch housing **Order as MSSK002**
- b. If both the engine block bolts are broken** and no breather is fitted on the clutch housing **Order as MSSK004**
- c. If only the longer engine block bolt that goes through the bushes is broken** and a breather is fitted to clutch housing (1275cc only) **Order as MSSK003**
- d. If both the engine block bolts are broken** and a breather is fitted to the clutch housing 1275 only **Order as MSSK005**



Gearbox Stabilisers



- 11. **Left hand lower engine/gearbox stabiliser** that fits to the lower front gearbox case studs/bolts and goes rearward to bolt on the rear leg of the subframe, where one hole will require drilling. **Order as MSSK001**
- 12. **Right hand lower engine/gearbox stabiliser** fits to the lower clutch casing/flywheel case studs and then goes rearward to bolt on the rear leg of the subframe, where one hole will require drilling. **Order as MSSK002**

Bushes

13. **a. An alternative to rubber bushes on the engine steady bar are the polyurethane type,** which are more resistant to heat, oil, water and dirt. The kit includes four bushes and a new spacer for the engine end. **Order as C-STR630**

b. As above but made from a harder poly for race/ competition. **Order as C-STR630RACE**



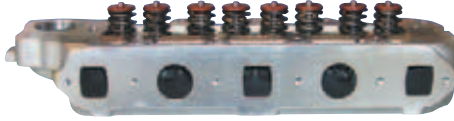
- 14. **Original standard rubber bush and tapered collar kit.** (4 of each)
 - a. with plastic inserts.** **Order as SBK1**
 - b. with metal inserts.** **Order as SBK2**
- 15. **Original standard rubber bush.** **Order individually as CRC5329**
- 16. **Single type engine steady bar bush** as fitted on twin point, 1996 onwards. New performance alternative to all above bushes. Fits all Minis. Now made with our own performance grade rubber, independently tested and found to have competition or better, performance properties. **Order as KKF101320EVO**





Mini Spares Modified Heads

Mini Spares exclusive 9 stud lead free cylinder heads are flow bench proven to be the best available at these prices when compared to all our competitors. Best over-all air flow for fast road engines from 850 to 1430cc.



Super Sport Lead Free Heads



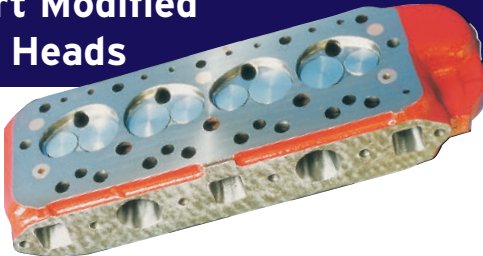
Unleaded with manganese bronze guides and race spec EN21 4N stainless steel heat treated valves to eradicate wear.

1. a. 35.7mm inlet valve and 29.5 mm exhaust valve suitable for road sports use. For pre 1992 vehicle with bypass hose (21.4cc). Order as MSE3
- b. as above but replicated on a brand new MPI head casting - outright sale only Order as MSE8
2. 35.7mm inlet valve and 29.5mm exhaust valve as per MSE3 but with nominal 24-25cc combustion chamber size for use with 7cc dish 73.5mm pistons Order as MSE9
3. 35.7mm inlet valve and 29.5mm exhaust valve suitable for road sports use, but for cars after 1992 or without bypass hose. (21.4cc) Order as MSE4
4. 35.7mm inlet valve and 31mm exhaust valve with bypass hose. (21.4cc) Order as MSE5
5. Twin point injection cars only 35.7mm inlet valve and 29.5mm exhaust valve (refundable surcharge on this is £70) . . Order as MSE7
6. 850/998/1100 modified head with largest valves 30.93mm inlet and 26.5mm exhaust (23.5cc) Order as C-AHT88

Refundable surcharge on all heads £55.00, Except twinpoint £70.00

Road Sport Modified Lead Free Heads

Unleaded heads with chromium plate stemmed valves and iron guides but near identical flow characteristics to Super Sport head



7. 35.7mm inlet valve and 29.2mm exhaust valve with bypass hose pre 1992 Order as C-AHT135
8. 35.7mm inlet and 29.2mm exhaust valve for 1992 on cars without bypass hose. Order as MSE6
9. 35.7mm inlet valve and 29.2mm exhaust and nominal 24-25 cc combustion chamber size for use with 7cc dish 73.5mm pistons Order as C-AHT133
10. Twin point injection cars only 35.7mm inlet and 29.2mm exhaust valve (refundable surcharge on this is £70) Order as C-AHT136

Refundable surcharge on all heads (unless stated otherwise) . £55.00

Standard Reconditioned Heads

11. Unleaded heads
 - a. 850/998cc with no temperature transmitter hole. Order as GCG1001
 - b. 850/998cc with temperature transmitter hole. Order as GCG1007MS
 - c. 998cc without bypass hose. Order as GCG1007METRO
 - d. 1275cc head with bypass hose Order as GCG1009MS
 - e. 1275cc head without bypass hose and heater outlet. Order as GCG1009METRO

Refundable surcharge on all heads £55.00

NOTE: For refundable surcharge, heads must be returned complete and built up, including valves, springs, etc...

ARDEN 8 Port Cylinder Head



12. The original Jim Whitehouse head homologated by Special Tuning Abingdon, now over 40 years old needed revamping using new state of the art casting boxes which encompassed the original cores to produce a high precision casting for road or race.

All heads now have a larger 21cc combustion chamber which facilitates sensible compression ratios on large bore engines. It is supplied fully assembled with springs / top caps and utilizes the original 35.6 inlet and 30.88 exhaust valves and will handle cam lifts up to .500".

Longer push rods are necessary and are available to ensure that the rocker geometry remains correct.

Extensive flow bench testing showed a larger 37.2 inlet valve plus new inlet port cores provides a further substantial increase in performance over the Original Special Tuning cylinder head and can be supplied by Special Order.

Fully assembled High Lift Roller Rocker sets have been manufactured by Minispares and are needed to further increase performance and ensure correct rocker geometry.

A Special exhaust manifold and camshaft with transposed lobes on 2 and 4 cylinders are required. Original "S" Con rods / bolts will need modifying or a special 8 port conrod set is available from Minispares.

12. Arden 8 port head. Order as C-AJJ4064

13 The Amal four carburettor kit was perhaps the most popular originally, as this compact kit fitted easily under the bonnet profile. This setup are best suited to smaller capacity engines (1000-1293cc) as choke size is restrictive over this. For the complete Amal kit. Order as C-AJJ4083

The Weber provides more power potential especially when a long manifold for racing is used, but the carburettor mouths poke out through the bonnet. With the short manifolds the carburettors just squeeze under the standard bonnet profile. However, this second manifold pair are not tremendously efficient due to the offsets and angles used to tailor the fit. Both manifolds are formed and fabricated in steel by Manifold so produce the optimum flow achievable given the fitting criteria.

14. Pair of 90mm long Weber inlet manifolds for power potential protruding bonnet Order as C-AHT507

15. Pair of 60mm Short Weber inlet manifold which just squeeze under bonnet. Order as C-AHT508

8 Port Fuel Injection Kit



16. Bespoke kit designed to compliment the 8 Port head and optimise its full performance potential. The throttle bodies are a direct body to head design that will fit under the standard bonnet of the mini but for those customers who wish to extend the induction system length, parts will be available to do so.

The management system is fully programmable by an approved and competent engine tuner and the software is provided with every kit along with a base engine map which will allow initial start up followed by optimisation on an engine dyno or rolling road.

The comprehensive kit contains an ECU with bespoke loom, throttle bodies and linkage, Crank sensor and mounting kit, air and water temp sensors, air filter and pre drilled base, High pressure fuel pump, fuel filter, fuel regulator, throttle potentiometer, coil pack, Magnecor plug leads and 4 Pico injectors.

8 Port fuel injection kit Order as C-AJJ4065





29 Head Gaskets & Valve Springs

Head Gaskets



1. **Group 'A' Metro Turbo head gasket.**
This gasket has an extra reinforced fire ring to eliminate inter-chamber blowing. 3.1cc compressed volume. Necessitates modification of the block - details available from MSC. Not suitable for bores over +.040". Beware TAM1521 is stamped on this gasket which is also the standard gasket number on which it is based. Order as C-STR1057

2. **Original competition copper/composite head gasket.**
Manufactured by Payen to their latest specifications. Essentially used on 1275cc plus engines, but also for small bore engines when using 12G940 head casting. Has a 3.8cc compressed volume, 3 waterway holes are larger. Order as C-AHT188

3. **Copper/composite Payen AF460 head gasket.** Suitable for all large bore modified engines. 3.6cc compressed volume. Order as GEG300

4. **a. Standard black in colour composite steel reinforced gasket used on all large bore engines** (not for 8 port heads) as standard, but is an exceptionally good gasket. 4cc compressed volume, is asbestos free with a special sealing ring for the rocker oil feed supply hole. Stamped AF470. Order as GUG702560HG

b. The original black Payen head gasket, fitted before AF470 as standard is also asbestos free stamped as BK450. This is the superior gasket. Has a 4cc compressed volume. Order as TAM1521

5. **Performance head gasket made from black Fibre composite**, for all small bore especially large overbores. 2.8cc compressed volume. Order as C-AEA647

6. **Copper/composite head gasket for small bore.** Original Rover - Unipart high quality gasket. 2.8cc compressed volume. (was TAM2121) asbestos free with special sealing ring. Order as GUG702506HG

Head Gasket Sets



7. A range of top quality budget priced gasket sets are available which are rationalised to fit all models and change points by including the extra gaskets that can be discarded if not required.

- a. 850/998/1100 Small bore engine. Order as AJM1250MS
- b. 1275cc head set with TAM1521 head gasket. Order as AJM1140
- c. 1275 with standard copper head gasket. Order as AJM1140MS
- d. 1275 with AF460 Payen copper head gasket. Order as AJM1141MS
- e. Single point head gasket set genuine. Order as GUG701187HS

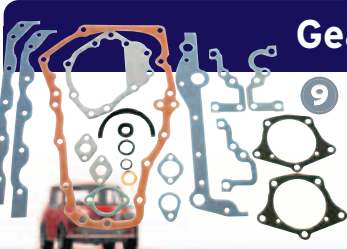
Manifold Gaskets

8. **Large port competition manifold gasket,** all 5 port heads. Order as C-AHT381

- a. Large Port etc. Order as C-AHT381
- b. Standard manifold gasket. Order as AJM601
- c. Injection Cars. Order as GUG704053MG

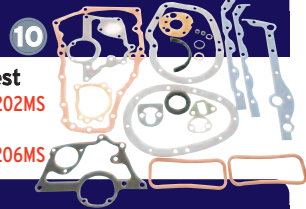
d. **Turbo manifold gasket** with metal retainer rings on exhaust ports. Order as GUG704063MG

Gearbox Gasket Sets



9. **Gearbox gasket set pre 1996.** Order as AJM 804B
(This is not supplied with clutch seal or output shaft seals)

Engine Block Sets



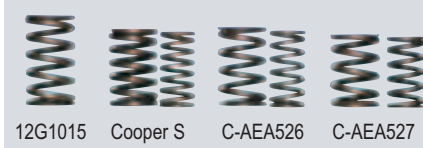
- 10. a. **Engines with side plate tappet chest covers.** Order as AJM202MS
- b. **Engines without side plate tappet chest covers 1300cc only** Order as AJM206MS

Valve Springs

A number of years ago modern hi-lift, short cams designed to run with hi-ratio rockers posed quite a few problems. Widely available performance valve springs were outdated over night as it became necessary to reduce spring crush valves. This, in turn, caused low valve seat pressures leading to valve float at high rpm levels and insufficient full lift and flank pressures causing the cam follower to lose contact with the lobe. Consequently performance losses resulted.

The latest cam designs, brings with it a more difficult set of criteria for the valve spring to meet. But again Mini Spares stepped in to solve the problem by a re-design on their phenomenally successful springs, adding a third spring pair to their range.

Manufactured from superior quality Oteva silicone steel wire from Sweden and specific heat treatments during processing they retain high resistance to rate deterioration and breakage. Sensible design makes them compatible with standard fitment type top caps. Fitted as described in the instructions supplied they will not crush even with lifts up to 0.500-inch at the valve - common on race engines with 1.5 ratio rockers. Used on our own modified heads they have proven ultra-reliable.



Shows spring heights showing less coils on anti coil bind springs which help eradicate spring crush on high lift camshafts.

- 11. **Race valve springs for use in excess of 8,000rpm** and will take 0.500-inch lift at the valve, nominal rate 280lb on the nose. Order as C-AEA527
- 12. **High performance road springs will take up to 8,000rpm** and valve lifts up to 0.500-inch, nominal rate 200lb on the nose. Order as C-AEA526
- 13. **Dual valve springs for standard and mild performance road use will take up to 7,000rpm** and valve lifts to 0.490-inch, nominal rate 160lb on the nose. Order as C-AEA525
- 14. **ISKEY type race springs are used by some racers or for specific applications.** (Special top caps are required. No longer stocked). for 320lb (USA poundage measurements) .. Order per set as C-AEA529
- 15. a. **Single outer spring Pre A-plus 850,998,1100cc.** Order individually as AEA311
- b. **Single outer spring for all A-plus engines 998 and 1275cc.** Order individually as 12G1015

Valve Shims / Collars

- 16. **Spring seat shims** when spring or valve seats have been over machined are available in following sizes
 - a. **Set of four shims only 0.010"** .. Order as SS2
 - b. **Set of four shims only 0.030"** .. Order as SS3
 - c. **Set of four shims only 0.060"** .. Order as SS4
- 17. **It is preferable to use bottom inner spring locating collars** with all dual springs to prevent breakage caused by the inner spring wandering at high rpm.
 - a. **Competition lower inner spring locator** Order individually as C-AEA654
 - b. **Standard lower inner spring locator AEA403,** Is now obsolete from Rover but not required with our C-AEA526/7 twin spring sets.

Valve Top Caps

- 18. **Original type steel 'S' competition top cap.** Order individually as AEA653
- 19. **Race top caps - ultra light weight, hard anodised aircraft alloy top caps.** Do not pull through at high rpm. Order per set as C-AEA528



Cam Followers

It is of great importance to use high quality cam followers to get the best performance and reliability from your cam. Use of poor quality followers will lead to definite failure of the cam. The cam followers supplied by Mini Spares are of the highest quality, manufactured by an OE supplier to Rover Group. Always use cam lube when fitting new cam followers.



- 1. **a. Standard weight cam follower.**
Weighs 44 grams Order individually as 2A13
- b. Standard weight cam follower with oil drain hole.** Weighs 44 grams.
..... Order individually as AEG584
- c. Genuine AE cam follower (Federal Mogul).** Weighs 44 grams.
..... Order individually as 2A13EVO
- 2. **Performance developed - To combine consistent base edge chamfering and foot curvature, plus accurate tolerances to ensure push rod socket location in the follower base, to minimise float and jump normally associated with original cam followers which ultimately lost power. Suitable for all cam types and uses. Double heat treated and then finish ground.**
 - a. Lightweight cam follower with oil hole. Standard height.**
..... Order set as C-AEG579
 - b. As above but taller to increase follower stability improving follower life.**..... Order set as C-AEG580

Competition Valves

All our competition valves are produced in EN214N steel and require Manganese/ Silicon bronze alloy valve guides. They are stellite tipped and use the later narrow single collet groove and current high efficiency valve head shapes and designs. The statutory use of unleaded fuel causes premature wear on valve stems therefore all our competition valves will be heat treated to eradicate this problem.



- 3. **Inlet Valves.** All valves sold individually.
 - 37.2mm (1.464") inlet valve for 12G940 casting Order as C-AHT55
 - 35.7mm (1.406") inlet valve
 - a. for 12G940 casting Order as C-AEG544
 - b. triple grooved A-Plus valve* Order as C-AEG543
 - 35.7mm (1.406") inlet valve for AEG163 casting MK1'S'.
..... Order as AEG593
 - 33.3mm (1.311") inlet valve for 12G940 casting Order as C-AEG569
 - 30.93mm (1.218") inlet valve all small bore head casting.*
..... Order as C-AEG588
 - 35.6mm (1.405") Longer inlet valve. 8 port head only
..... Order as C-AHT376
- 4. **Exhaust Valves.** All valves sold individually.
 - 32mm (1.260") chrome stemmed exhaust valve for 12G940 casting. Not heat treated..... Order individually as C-AEG570
 - 31mm (1.220") exhaust valve for 12G940 casting . . . Order as C-AEG107
 - 31mm (1.220") exhaust valve for AEG163 casting . . . Order as AEG594
 - 29.5mm (1.161") exhaust valve
 - a. for 12G940 casting Order as C-AEG106
 - b. triple grooved A-Plus valve* Order as C-AEG105
 - 26.5mm (1.043") exhaust valve for all small bore castings.*
..... Order as C-AEG587
 - 30.93mm (1.218") longer exhaust valve for 8 port head only.
..... Order as C-AHT377

'Small bore' is a classification for 850/998/1098cc.

*only available in late type triple collet groove.

'Large bore' is any Cooper 'S' and all 1275cc+ engines

Triple Groove



Standard Production Valves

- 5. **Inlet Valves for 1275cc.** All valves sold individually.
 - a. **Single grooved valve.**
35.6mm (1.484") inlet valve for 12G940 casting Order as AEG592
 - 33mm (1.311") inlet valve for 12G940 casting Order as 12G941
 - b. **Triple grooved valve.**
35.6mm (1.484") inlet valve for 12G940 casting Order as TAM1059
 - 33mm (1.311") inlet valve for 12G940 casting Order as TAM1058
- 6. **Exhaust Valves for 1275cc.** All valves sold individually.
 - a. **Single grooved valve.**
29.2mm (1.149") exhaust valve for 12G940 casting. Order as CAM4601
 - b. **Triple grooved valve.**
29.2mm (1.149") exhaust valve for 12G940 casting. . Order as TAM1061
 - c. **Lead free Insert.** For exhaust valves.
..... Order as TAM2069
- 7. **Exhaust Valves for 850/998/1100cc.**
 - a. **Early large collet groove.** Order as AEA434
 - b. **Small collet groove with AEA311 valve spring**
..... Order as 12A1987
 - c. **A+ with 12G1015 valve spring.** . Order as CAM6503
 - d. **Triple collet groove valve A+.** . . . Order as TAM1770



Rimflo Valves

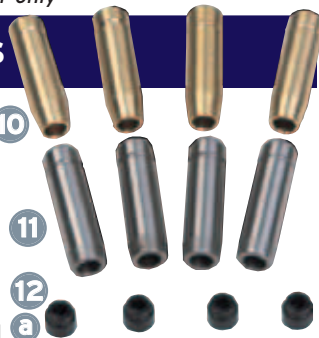
We also stock a limited of range of Rimflo valves for the 'A' series. These are produced in EN214N steel with chrome plated stems which enable them to be used with standard iron guides. All Rimflo valves start with the prefix C-RIM.

- 8. **Rimflo Inlet Valves.** All valves sold individually.
 - 36.6mm (1.44") inlet valve for 12G940 casting Order as C-RIM55
 - 35.7mm (1.405") inlet valve for 12G940 casting Order as C-RIM544
 - 33.3mm (1.311") inlet valve for 12G940 casting Order as C-RIM569
 - 31.8mm (1.252") inlet valve for small bore casting. Order as C-RIM104
 - 9. **Rimflo Exhaust Valves.** All valves sold individually.
 - 31.75mm (1.250") exhaust valve for 12G940 casting. Order as C-RIM570
 - 30.9mm (1.217") exhaust valve for 12G940 casting Order as C-RIM107
 - 29.3mm (1.15") exhaust valve for 12G940 casting Order as C-RIM106
 - 27mm (1.06") exhaust valve for small bore casting. Order as C-RIM105
- Small bore available to customer order only*

Valve Guides/Seals

Although Silicon bronze valve guides were used for their extremely good wear values they were very hard and not user friendly when fitting.

We have introduced the Manganese bronze guides which have good cutting properties and good wear characteristics and are original equipment on Porsche and Mercedes. Bronze alloy valve guides are required when using EN214N steel valves unless the valve stems are chrome plated. Guide material specifications may change as more modern materials are tested.



- 10. **a. All 5 port heads.**
Manganese bronze guide are sold in sets of 8 Order as C-AJJ4037
- b. 8 port head only set of 8.** Order as C-AHT364
- 11. **Iron guides are bullet shaped for better flow characteristics.**
Type shown are 12G1963 which accept ADU4905 seal.
..... Order individually as 12G1963
- 12. **Top hat seals are always fitted on inlet valves and also on the exhaust valves on standard Rover unleaded heads.**
 - a. **Standard replacement** Order individually as ADU4905
 - b. **New improved performance type. As fitted to twin point injection, made in original Dupont Viton.**
..... Order individually as LJQ101160



31 Rockers



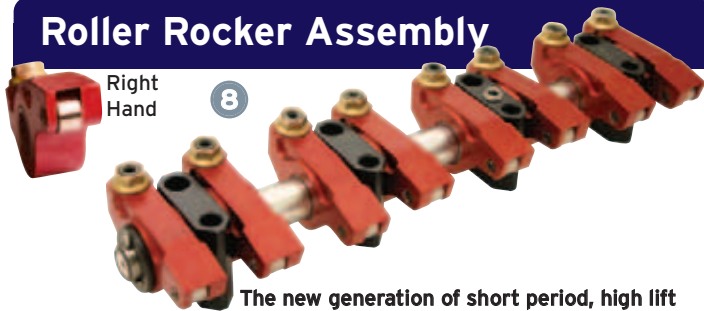
Forged Rocker Gear

1. 1.5 Hi-Lift set with adjusting screws, posts and shaft. Super strong Cadcam designed drop forged high grade steel with hardened valve pad using thick wall rocker shafts ..Order complete kit as C-AHT436



2. Replacement single rocker for C-AHT436, less screw and nut..... Order as C-AHT435
3. The only current production rocker from Rover is sintered and runs without a bush. Order as CAM289
4. Adjuster screw fits 12G1221, C-AHT400/402/403/436/446A and CAM289 sintered rocker Order as AEG167
5. Set of 8 extra long adjuster screws, approximately 8mm (5/16") longer, ie. about 8 threads extra for use when standard screws are not long enough to give adjustment on certain modified engines plus 8 port heads..... Order set as C-AEA692
6. Lock nut for screws 4 and 5 above. Order individually as NT605061
7. Original rocker bush. . Order individually as 2A21

Roller Rocker Assembly



The new generation of short period, high lift cams have been developed to give the best results in large bore engines when used in conjunction with 1.5 ratio, hi-lift rockers. For the small bore range, the 'S' 1.3 to 1 ratio is optimum. In certain instances a ratio of 1.7 to 1 is of benefit - but really this is only applicable to fully developed race engines. Not recommended for small bore engines except full race applications.

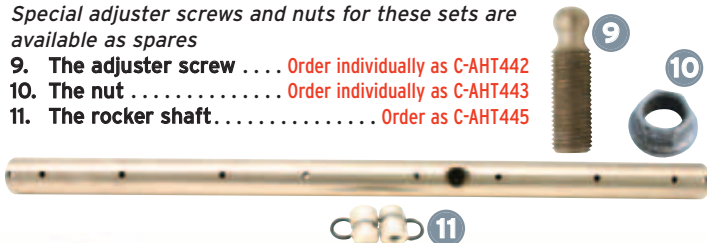
Hi-Lift Rocker Assembly.

The ultimate lightweight alloy valve gear giving maximum efficiency cutting down side loading on valve stem, reducing friction and wear whilst increasing rigidity. Available in 1.3 ratio lift which is standard or the 1.5 hi-lift which has valves open approximately 20% more at any given point, although opening and closing periods remain the same. The 1.5 to 1 lift vastly improves volumetric efficiency and therefore power output. When fitted to a 1275cc or large bore engine it gives the equivalent of fitting a mild camshaft. The alloy rockers have hard chrome roller tips and dual needle roller bearings that sit on a special rocker shaft.

8. Full roller tip and roller bushed rocker assemblies with 5/8" rocker shaft
 - a. For 1275cc engines giving standard lift 1.3 ratio. Order as C-AHT437
 - b. For 1275cc engines giving hi - lift 1.5 ratio..... Order as C-AHT438
 - c. For 1000cc engines giving standard lift 1.3 ratio. Order as C-AHT439
 - d. For 1000cc engines giving hi - lift 1.5 ratio..... Order as C-AHT440

Special adjuster screws and nuts for these sets are available as spares

9. The adjuster screw Order individually as C-AHT442
10. The nut Order individually as C-AHT443
11. The rocker shaft..... Order as C-AHT445

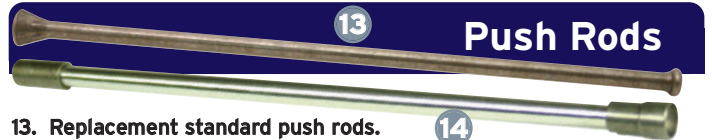


Super Thick Wall Rocker Shaft

12. a. Standard 3.6mm wall thickness rocker shaft. Order as 12A1950
- b. Performance 4.3mm thick wall shaft, Mini Spares own design is precision ground after heat treatment which increases durability and enables tighter tolerances on the bores, keeping the valve geometry more accurate for longer. Order as C-AEG399



- ## Push Rods
13. Replacement standard push rods.
 - a. for 998cc Order as 2A14
 - b. for 1275cc Order as AEG314MS
 14. Performance push rods. Larger 6.35mm diameter.
 - a. for 998cc Order as C-AEG581
 - b. for 1275cc Order as C-AEG582
 - c. for 1275cc Evolution extra rigid alloy for greater performance, widened to 8mm in center. Javelin shape fits without needing to modify the block/head push rod ports. Order as C-AEG582EVO

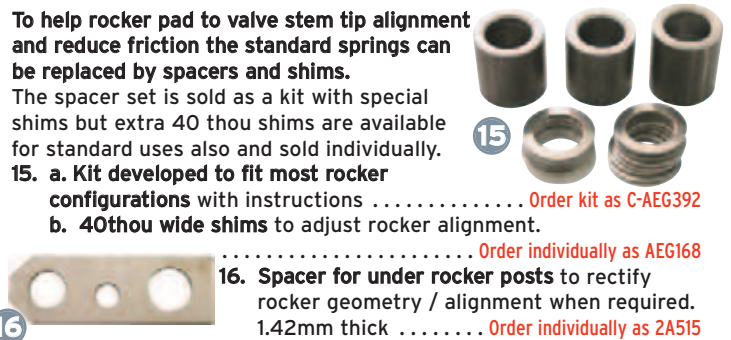


Rocker Spacers & Shims

To help rocker pad to valve stem tip alignment and reduce friction the standard springs can be replaced by spacers and shims.

The spacer set is sold as a kit with special shims but extra 40 thou shims are available for standard uses also and sold individually.

15. a. Kit developed to fit most rocker configurations with instructions Order kit as C-AEG392
- b. 40thou wide shims to adjust rocker alignment. Order individually as AEG168
16. Spacer for under rocker posts to rectify rocker geometry / alignment when required. 1.42mm thick Order individually as 2A515



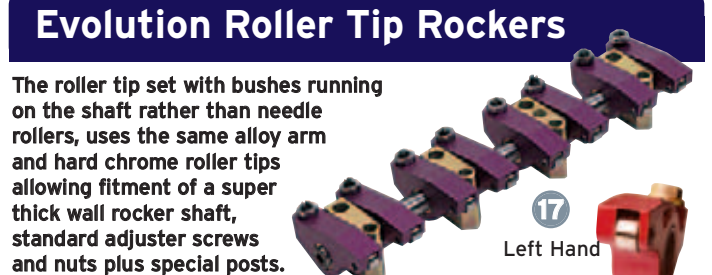
Evolution Roller Tip Rockers

The roller tip set with bushes running on the shaft rather than needle rollers, uses the same alloy arm and hard chrome roller tips allowing fitment of a super thick wall rocker shaft, standard adjuster screws and nuts plus special posts.

All this culminates in a high quality yet infinitely more economical roller rocker set, as the roller tip is the most important factor to reduce valve and guide wear when using modern performance cams. To use on small bore heads it is necessary to rearrange the rockers to line up the tips with valve stems.

Since 1998 the rockers have been made in purple which denoted a change in angles. This slight change was to give better clearance for push rods on A-plus heads. You will need to use your existing spacer springs or spacers between the rockers (or see kit No.11) By holding the rocker the correct way up with the adjusting nut closest towards you the roller is biased to the left or right which will then denote the side required. (see pic above) All other individual parts are available to special order only. The old original type were blue and are not available as a spare part. Note they are not interchangeable.

17. 1.5 Hi-Lift with roller tip rockers only and bronze bushes for 1275cc big bore engines only (purple)..... Order as C-AHT446A
18. Spare rockers for C-AHT446A are available.
 - a. Right hand Order as C-AHT447RIGHT
 - b. Left hand (as shown above)..... Order as C-AHT447LEFT
19. Standard lift 1.3 roller tip rockers for 1275cc big bore engines only Order as C-AHT400
20. a R/H rocker for C-AHT400 Order as C-AHT401RIGHT
- b L/H rocker for C-AHT400 Order as C-AHT401LEFT





Alloy Rocker Covers

- 1. Flat top design alloy rocker cover fits all A-series cylinder heads, but may not allow sufficient clearance of hi-lift rockers. Supplied with chrome cap FP27 as shown.
 - a. In polished alloy . . . Order as FP26
 - b. In Red Order as FP26RED
 - c. In Blue Order as FP26 BLUE
 - d. Cap only for above. Order as FP27



Mini Spares Rocker Covers

- 2. Mini Spares embossed rocker covers were designed to fit any A-series cylinder head and allow fitment of all known hi-lift rocker assembly configurations. This rocker cover is supplied with GFE6003 black rocker cover cap or an alternative. This is the rocker cover often seen pictured on cars being promoted or reviewed by leading mini magazines.



- a. For Mini Spares Rocker Cover

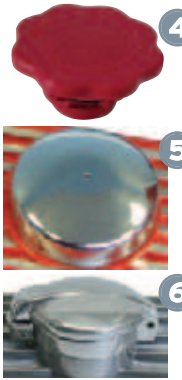
Colour:	Black	Red	Blue	Polished Alloy
Order as:	ROCKER CVR	ROCKER CVR02	ROCKER CVR03	ROCKER CVR01

NOTE: For all rocker covers. Do not forget to order a new rocker cover gasket and nut seals. (see bottom of page)



Rocker Cover Caps

- 3. Original vented black plastic cap with names of historic leading oil companies. As fitted to all A-Series with breather in cap which is recommended for service change every 12,000 miles. GFE6007 red cap is an alternative Order as GFE6003
- 4. Minifin rocker cover cap. Red in colour where the original was orange Order as GFE6007
- 5. Chrome vented cap fits all alloy rocker covers except Mini Spares shown above . . Order as FP27
- 6. a. Monza type chrome cap for fitting to FP26 range of rocker covers. Order as FP29
 - b. For fitting to original Minifin CAM6822 rocker cover. Order as FP30



Rocker Cover Gaskets & Seals

- 7. Rocker cover cork gasket for all A series and Mini 1959-2000
 - a. For 9 stud standard applications Order as GUG705009VC
 - b. For 11 stud applications Cooper 'S'. Order as GUG5038VC



- 8. Rocker cover nut seals harden and crack, so should be replaced with gasket.
 - a. Black rubber Order individually as 12A1358
 - b. Black with neoprene content. Better heat resistant and sealing properties for longevity. Order individually as 12A1358MS
 - c. Red poly Order individually as 12A1358RED
 - d. Yellow poly Order individually as 12A1358YELLOW



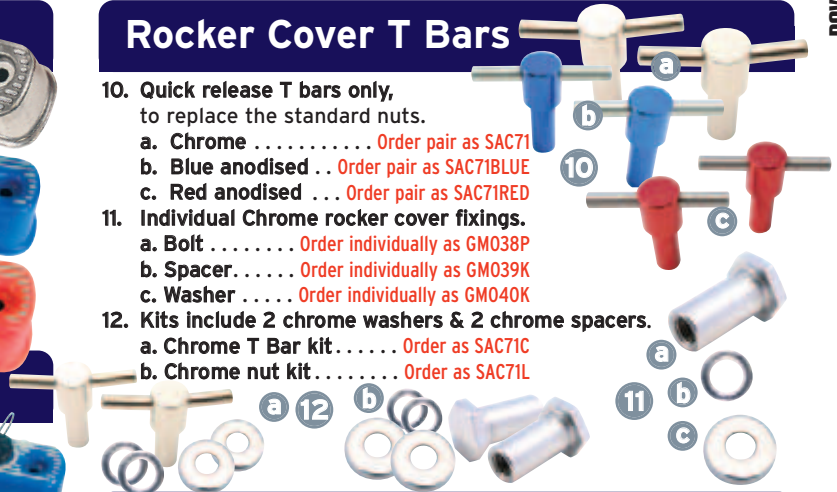
Engine Lifting Brackets

- 9. Original type engine lifting hook. Sold individually (2 required). Order as 12A1968



Rocker Cover T Bars

- 10. Quick release T bars only, to replace the standard nuts.
 - a. Chrome Order pair as SAC71
 - b. Blue anodised . . . Order pair as SAC71BLUE
 - c. Red anodised . . . Order pair as SAC71RED
- 11. Individual Chrome rocker cover fixings.
 - a. Bolt Order individually as GM038P
 - b. Spacer. Order individually as GM039K
 - c. Washer Order individually as GM040K
- 12. Kits include 2 chrome washers & 2 chrome spacers.
 - a. Chrome T Bar kit. Order as SAC71C
 - b. Chrome nut kit. Order as SAC71L



Studs, Nuts and Washers

- 13. a. Competition head stud kit . The special competition head stud, nut and washer (11 stud) kit was developed in hi-grade steel to exacting specifications. These studs do not stretch, so pull the head down, not the thread up. This vastly increases head gasket life, even on very high compression engines. Special thick washers, counter sunk on one side, help clamping capability and reduce thread bottoming of the nuts on the studs. The special nuts help to increase torque accuracy through better thread engagement Order as C-AHT280
 - b. Standard upgraded head stud and nut kit. Made in alloy steel, heat treated to 75 tensile tons per square inch, finished in chemical black. Kit includes 9 studs, 9 nuts and a special head washer set Order as C-AHT279
 - c. Standard upgraded long head stud as in kit 11b . . Order as CAM150
 - d. Standard upgraded short head stud as in kit 11b . . Order as CAM151
- 14. a. Short head to rocker studs are available individually. Order as 51K1473 (2 per head required)
 - b. Long head to rocker studs are available individually. Order as 51K885 (2 per head required)
- 15. Competition head washer set of 10. Original ST disc spring type especially required when using original 6 sided head nut. Order as C-AHT288
- 16. Latest flanged type 3/8unf nut with built in washer and 6 point shoulder, as per A-plus.
 - a. set of 10 Order as C-AHT287
 - b. single nut Order as CAM4545
- 17. Individual 3/8unf multipoint head nut for head studs, and Cooper 'S' big ends Order individually as EAC5541A
- 18. Extra 11th stud (head bolt) as used on Cooper 'S' in competition quality Order as C-AHT281



	Stainless Steel Kits corrosion resistant.	Order individually	
		Original Material Studs	Nuts
Heater tap stud	 Studs C-STR285 A+ Bolts C-STR283	 53K402	 GFK3211
Thermostat stud	 Pre A+ Studs C-STR286 A+ Long Bolts C-STR284	 CHS2515	 GFK3212
Manifold stud	 C-STR287	 53K487	 Short GFK3436 Long 51K1177



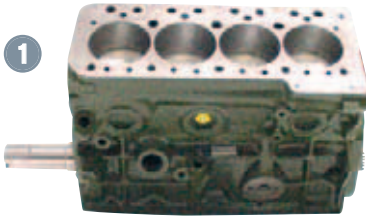


Built-up Short Engine

1380cc Built-up Short (half) Engine for Road Use.

1. This engine is vacuum packed for storage and is built to the following specifications based on A-plus engines.

Crankshaft reground and fitted with new bearings and thrusts. Set of remanufactured selected con rods with 73.5mm pistons fitted. Block is correctly offset bored to take the larger pistons, refaced, cleaned and then refitted with new core plugs and oil bungs. New camshaft bearings fitted and the crankshaft main bearing housings line bore honed. An Evolution fast road camshaft is dial gauge timed exactly and fitted with new cam followers. This camshaft was selected because during extensive testing and trials it gave the broadest range of power and torque to over 6000 rpm, although only 5500rpm was required for fast road use, still giving acceptable economy. Distributor spindles are fitted so ensure you have A-plus distributor. A front plate and timing cover are fitted to accept a set of new duplex gears and timing chain. The compression ratio is 9.75 to 10 to 1 when using a standard 21cc head. The engine is painted. *The following are not supplied: Primary gear and all clutch ancillaries/components, head studs and water pump, front pulley and bolt, oil pump and oil filter assembly.*



All the parts not supplied are considered bolt on parts which should make the rest of assembly within the ability of any Mini owner who is armed with a technical manual for torque settings and fitting procedures.

- 1. a. Half engine - +40 for 1310cc Order as ENG003
- b. Half engine - 1380cc Order as ENG001
- Refundable surcharge on old core £100

WARNING: Do not use synthetic based oil for the running-in period as it is detrimental to the ring bedding in process.

NOTE: The ring packs on these engines are coated in special heavy oil for storage and will smoke heavily on start up.

Main straps

On all performance 'A' series engines it is essential to ensure accurate and as near permanent location of the centre main of the crank as possible. Movement allowed here, especially at sustained high rpm levels, can cause spun bearings, crank or main cap breakage with severe or mortal damage to the engine. We, therefore, offer a range of strengthening products, plus 'S' main bearing studs and nuts.

2. **4 bolt steel centre main cap for large bore engines** (not 'S'). Ultimate centre main location. Essential for all stroked engines. Needs line boring, and two extra holes drilling in the block and tapping 7/16UNF. The thrust faces are part machined for final finishing whilst the line boring is being done. Comes with correct length high tensile bolts. Bolts on one way only so take care to read instructions Order as C-AGA619

3. a. **Steel centre main strap** for 1275cc, non 'S' large bore engines. Comes with longer high tensile bolts. Main cap top needs machining flat. No other modifications required. Order as CMS13

b. **Steel centre main strap** for small bore engines. Comes with longer high tensile bolts. Main cap top needs machining flat. No other modifications required Order as CMS10

4. a. **'S' main stud set** (6 studs. 4 short & 2 long). Can be used on non 'S' blocks, but cap locating section on stud may need to be shortened by 2.5mm to avoid fouling bearing cap Order as AEG323

b. **'S' centre main strap studs** (6 studs. 4 short & 2 extra long) for centre main and strap Order as AEG323L

5. **Special 'S' mains nut**, sold as a set of 6 ... Order as C-AJJ4013

Connecting Rods and Bolts

As the Cooper 'S' con rod has not been produced by BL for many years, we have had them reproduced, faithful to the ORIGINAL specification - including material type, EN24V. These are the strongest production 'A' series con rods produced.

- 6. a. 1071cc and 1275 'S' rod 5.75" centres .. Order individually as AEG624
- b. 970 'S' rod 5.875" centre length Order individually as AEG309



Fitted with ARP nuts and bolts. These are made in a higher grade material and to specific tolerances, including the thread grade. Poor threads vastly reduce torque accuracy causing premature bolt failure.



7. ARP Hi-grade 'S' big end bolt and nut set. Torque up to 40-42lb ft. Order set as C-STR288



8. ARP Hi-grade 1300cc type big end bolt set. Torque up to 38-40lb ft. Order set as C-STR289



9. The Cooper 'S' big end nut is now in all metal self locking material. Order individually as AEG147



10. Alternative multi-point nut for 'S' big end bolt - ex Jaguar nut. Order individually as EAC5541A



11. Shouldered big end nut for 1300cc rod bolts. Give better clamp down than standard 1300cc type. Order individually as CAM6263

Dipsticks

12. Stainless steel dipsticks with anodised knob in red or blue.

- a. Red knob Order as MSA1125
- b. Blue knob Order as MSA1124

13. With chrome T-handle knob. Order as MSA1134

14. Dipstick tube plastic Order as 12G107



Sumpguards



15. For serious off-road and rough stages, the only type to fit is the rounded sledge front version, which helps ride the car over potentially damaging rough terrain. Extra strengthening bar fits on to front subframe crossmember adding reinforcements. Similar design to the Scottish/ Scandinavian works design. Weight 8.335 kilos Order as C-AJJ3320



16. Extension piece for either sumpguard 15 or 17 to give added protection. Weight 2.770 kilos .. Order as C-AJJ3320 EXT



17. The square front type is adequate for competition road use and is cheaper and lighter than item 15. Weight 4.885 kilos Order as C-AJJ3321



18. Mini Spares Mag/Alloy Sumpguard for road use only. Adequate protection for everyday use. Especially on lowered cars to protect the gearbox cooling fins. 5mm clearance from gearbox case. CNC designed to fit front sub frames correctly. Weight 2.770 kilos Order as SUMP GUARD



19. Innocenti - original type of Italian Mini Sumpguard Very useful, inexpensive protection for the fins on the gearbox. Sturdy steel construction. Weight 4.23kilos Order as MS96



Large Bore Mega Pistons

NOTE: We supply and sell each piston individually. Order 4 pistons for a complete engine set. Ringsets are for all four pistons.


Owing to poor supplies of performance pistons 10 years ago we recruited AE Hepolite to develop and design a range of Mini Spares pistons, using their technical and manufacturing expertise. Made in AE109TF lightweight alloy with special double heat treatment they have a full skirt for maximum piston and ring stability. One thick crown height to allow for machining when long stroke cranks, or longer con rods are used.

WARNING Do not use synthetic based oil for the running-in period as it is detrimental to the ring bedding in process

- 
1. a. **6.5cc dished piston** available in +20, +40, +60. Order as **C-AJJ3378**
 - b. **Turbo 9.4CR with 11.3cc dish** available in +40 only uses Mega ringset, Will not take excessive extra boost. Order as **P22357-40**
 2. a. **Flat top piston** available in +20, +40, +60. Order as **C-AJJ3382**
 - b. **Ringsets for C-AJJ3378, C-AJJ3382 and P22357S and Omega.** Available in +20, +40, +60 Order as **C-AJJ3379**
 3. **7cc dished, 73.5mm piston.** Order as **C-STR310**
 4. **11cc dished, 73.5mm piston.** Order as **C-STR312**
 5. **Ringsets for C-STR310, C-STR312 and Omega 73.5mm.** (4 pistons set). Order as **C-STN96**

Large Bore Pistons

Large Bore Pistons for all Cooper "S" and 1275cc Minis are manufactured by AE Hepolite pistons (Federal Mogul), the largest manufacturer of pistons in the world. These high quality pistons have been used in many successful competition applications.

- 
6. **The different CR's are achieved by different pin to crown heights, with 21.4cc cylinder head camber size.** The P21253 pistons are the best suited to high performance use, with a much smaller oil drain slot behind the oil control ring, thereby reducing the possibility of breakage.
 - a. **8.8CR, 1275cc low drag slipper piston.** Available in Standard, +20, +40 and +60, 8.1cc dished Order as **P21251**
 - b. **Ringsets for P21250 & P21251.** Available in standard, +20, +30, +40, +60 Order as **R35960**
 - c. **9.75CR, 1275cc low drag slipper piston.** Available in Standard, +20, +40 and +60, 8.1cc dished. When fitted to Cooper "S" and early 1300 blocks can equal 10:1CR Order as **P21253**
 - d. **Ringsets for P21253.** Available in standard, +20, +40, +60 Order as **R41570**
 7. a. **73.5mm "Powermax" big bore 9cc dished piston** Order as **P20659-00**
 - b. **Ringset for P20659** Order as **R39390-00**



WHEN ORDERING PISTONS OR RINGSETS PLEASE STATE SIZE REQUIRED. NOTE: ALL PISTONS SOLD INDIVIDUALLY.

Small Bore Pistons

8. **The low drag slipper piston** used by the Rover Group in the last 998cc Mini and Metros proved to be exceptionally reliable having been used in Mini race engines. They are available in flat top with press fit gudgeon pins but +40 only. Obviously the correct rod type should be used (can be modified by experts).
 - a. **10.3CR Flat top, press fit gudgeon pin 998cc** Order as **P22463-40 (Rover No. TAM2052)**
 - b. **Ringset for P22463.** Available in +20, +40. Order as **R43240**
9. a. **8.3CR Dished piston 998cc.** Inexpensive replacement piston with oil groove. Fully floating gudgeon pin with circlips Available in +20, +40 and +60 Order as **P20773**
- b. **Ringset for P20773** Order as **R33636**



Pistons Liners

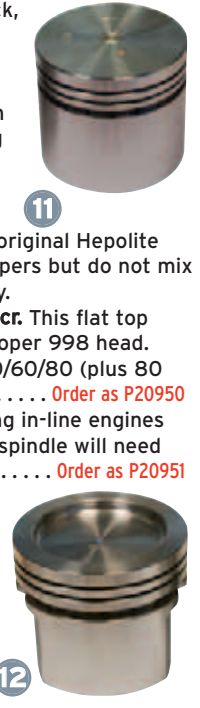
10. **All piston liners are supplied individually.**
 - a. **998 piston liner.** Customer order only . Order as **12G164**
 - b. **1275 piston liner.** (HEPOLITE SU3598). Order as **AEG428**



Evolution Performance Pistons

The Evolution range was produced to fill the gap in the market for top quality, high strength pistons for performance and standard use. Manufactured in top grade cast aluminum with advanced heat treatment, plus a far higher silicon content than almost all other mass-manufactured pistons means it is lighter and more durable for use in any engine. All wrist pins are oil fed from the oil control ring land rather than rely on splash from whirling components. To extend the life of blocks 73mm and 74mm sizes for 1275cc and a plus 80 oversize for 998cc have been made.

11. **SMALL BORE, based on the original 998cc flat top piston** but with oil holes, rather than slots behind the rings to give crown strength, the only other change is the ring pack, to use a readily and sensibly priced set. Otherwise it retains the full skirt design with circlip retention of the wrist pin which means they can also be used for the later press fit pin rods from the A plus engines, by either leaving the circlips out and using the original interference fit, or honing out the small end of the con rod for a floating pin fit and using the circlips for retention. This piston replaces the original Hepolite 18516KR and P20950 as used on the 998 Coopers but do not mix with old Hepolite as they are not an exact copy.
 - a. **Suitable for all 998cc engine use, up to 12-1cr.** This flat top design will give a 9.5/6cr when used with a Cooper 998 head. Ring sets are C-STN99. Available in plus 20/40/60/80 (plus 80 giving 1061cc) Order as **P20950**
 - b. **The same type of piston for 1098CC** including in-line engines but owing to extra skirt length the distributor spindle will need modifying. Available in 40/60/80 Order as **P20951**
12. **Before taking blocks out to 73.5 we have introduced a new 73mm option to extend block life.** On a standard stroke 73mm gives 1362cc and shows no measurable loss of performance over the 73.5mm 1380cc size and also alleviates any cylinder head gasket problems that might be encountered. We have also had the 73.5 and 74mm size made identical with the same 10cc dish shape for improved swirl/burn. The pistons are lighter than cast pistons of its size and a lighter wrist pin is used to enhance this. Ring sets for 73mm are C-STN98 and for 73.5mm are C-STN97.
 - a. **For 73.00mm piston** Order as **C-STR313**
 - b. **For 73.5mm piston** Order as **C-STR311**
 - c. **For 74mm piston** Order as **C-STR314**





35 Oil Valves and Pumps

Oil Pumps

The precision machined and built sureflow oil pump has not been available since late 2005. Mini Spares stock only standard type oil pumps, and have tested all the range to ensure good performance and reliability.

If fitting a 1300cc oil pump to 998cc blocks a spacer 12G1127 would still be required. When changing the camshaft we recommend you purchase an A-plus type, which has stronger 1/2" lobes and fit the corresponding oil pump to block type.

1. 998cc spade drive A-plus Order as GLP139
2. 1300cc slot drive A-plus Order as GLP138
3. Steel backed oil pump with increased pumping capacity as required, originally on Turbo engines Order as GLP110MS
4. Pin drive early small bore engines except 'S' Order as GLP142
5. Star drive Order as GLP141



Flow comparison - gallons per minute/litres per minute at 1000rpm.

MSC Sureflow oil pumps	1.41/6.4
MSC Turbo oil pump	1.78/8.1
Holburn Eaton steel backed pump	1.32/6.0
Concentric 5 into 6 rotor/annulus	1.27/5.8



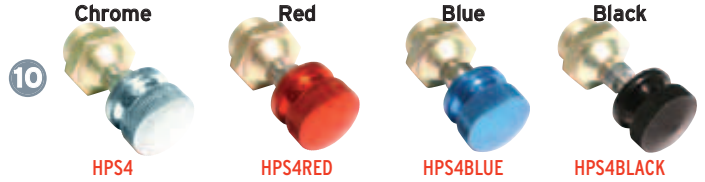
Oil Switches and Transducers

6. A high pressure oil warning light switch is available to help protect the engine. The standard one comes on at 7lb much too late a warning to avoid any damage. The high pressure one HPS1 comes on at 22lb, and is a direct replacement for the standard one. But this is a 15-60lb high pressure adjustable oil warning light switch Order as HPS3
7. Standard on all twin point cars from 1996 which have an electrical oil temperature gauge. This transducer switch replaces the oil pressure release valve cap on the engine block Order as YCB100320
8. a. Standard oil switch that activates at about 7-10LB Order as GPS133
b. High pressure oil switch that activates at about 22LB. Order as HPS1
9. Oil Pressure Switch fitted from 1996 on. Order as GPS135

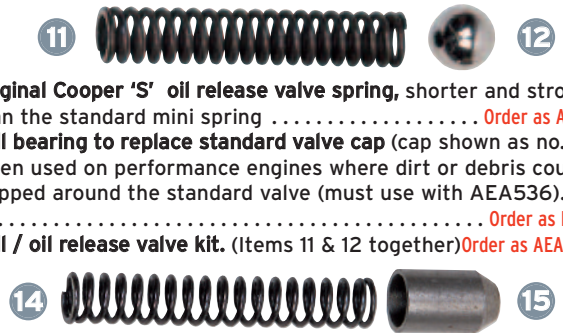


Oil Pressure Regulator Kit

10. Oil pressure regulator kit is a simple way of increasing or decreasing oil pressure by the turn of a knob. You do not need high oil pressure; just consistent. Available in four knob colours.



11. Original Cooper 'S' oil release valve spring, shorter and stronger than the standard mini spring Order as AEA536
12. Ball bearing to replace standard valve cap (cap shown as no. 15). Often used on performance engines where dirt or debris could get trapped around the standard valve (must use with AEA536). Order as BLS916
13. Ball / oil release valve kit. (Items 11 & 12 together) Order as AEA536KIT



14. Standard oil pressure spring Order as 6K853
15. Original type oil release valve cap. Factory fitted. . . Order as 12H865
16. Standard oil release valve kit. (No's 14 & 15 in kit) . Order as 6K853KIT



Drain Plugs & Magnetic Oil Traps

17. Magnetic sump plug with extended nose to collect metal debris in the bottom of the gear box Order as DPI
18. Sump plug repair plug with tapered cutting threads (must never be over-tightened!) Order as DP2
19. Sump plug standard as originally fitted Order as DAM7335
20. Magnetic oil trap. Fits in place of oil pick up plate on the rear of gearbox.
a. With filter Order as HPS5
b. Without filter Order as HPS6
21. Transmission drain plug with threaded hole when using Smiths small capillary type oil temperature gauge Order as HPS8



Mini Spares Vouchers

Mini Spares have a new voucher system that allows you to buy vouchers online. Vouchers can be emailed or posted to you. Vouchers can then spent in one of the following ways:

1. Online at www.minispares.com
2. Call our mail order department on 01707 607 700.
3. In our shops in London & Harrogate.

NOTE: E-mail vouchers will be sent after payment has been processed during normal business hours. Please allow 5 days for delivery of postal vouchers.

Send voucher by email



E-mail a voucher direct to your friends inbox with greeting message.

Print for Hand delivery



We email the voucher to you so you can print it out & deliver it by hand.

Send voucher by post



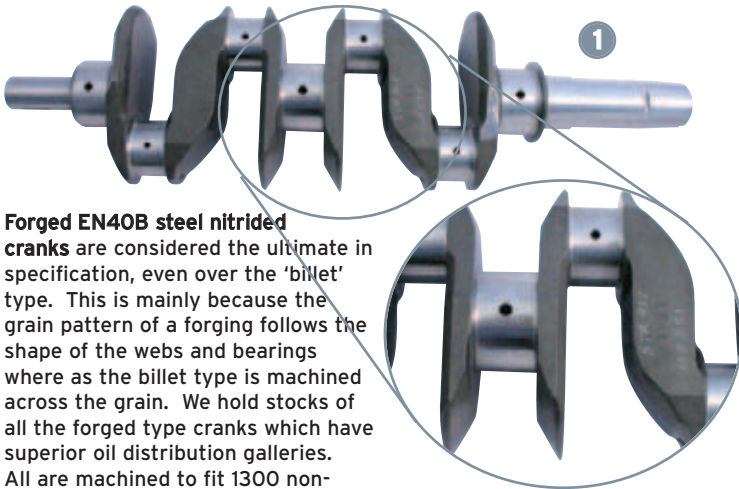
We post the Gift vouchers to your specified delivery address.

Call our mail order department now 01707 607 700





Forged EN40B Cranks



Forged EN40B steel nitrided cranks are considered the ultimate in specification, even over the 'billet' type. This is mainly because the grain pattern of a forging follows the shape of the webs and bearings where as the billet type is machined across the grain. We hold stocks of all the forged type cranks which have superior oil distribution galleries. All are machined to fit 1300 non-'S' centre main except C-AEG479 which is 'S'.

1. a. **81.33mm stroke EN40B**, nitrided, 1.625" 'S' big end journal. For 'S' block **Order as C-AEG479**
- b. **76mm stroke EN40B**, nitrided, 1.625" 'S' big end journal. For 1300cc block **Order as C-AEG476**
- c. **84mm stroke EN40B**, nitrided, 1.625" 'S' big end journal. For 1300cc block **Order as C-AEG497**
- d. **86mm stroke EN40B**, nitrided, 1.625" 'S' big end journal. For 1300cc block **Order as C-AEG478**
- e. **81.33mm stroke EN40B**, nitrided, for 1300cc block with 1300cc big end journal diameter, = 1.7497" standard. **Order as C-STR931**
- f. **81.33mm stroke EN40B**, nitrided, for 1300cc block with 'S' big end journal diameter, = 1.625" standard. **Order as C-STR932**
- g. **Same as C-STR932** but without primary gear circlip groove for special applications **Order as C-STR933**

Future forged EN40B crankshafts will be mass centre balanced and benefit from latest technology in having leading edge chamfering on the crank webs, which helps reduce whip and resistance at high rpm giving smoother running and balancing properties. (as shown above) Cranks for the short stroke 'S' are available to order only, and are cut from a steel billet as the forgings are no longer available.

1071cc 'S' steel billet crank, stroke length 68.26mm . **Order as C-AEG170**
970cc 'S' steel billet crank, stroke length 61.91mm .. **Order as C-AEG329**

BORE/STROKE CAPACITY COMBINATIONS IN CC					
	.020	.040	.060	73.5mm	74mm
76mm	1209	1226	1243	1290	1308
79mm	1256	1274	1297	1341	1359
81.33mm	1293	1312	1330	1379	1399
84mm	1336	1355	1374	1425	1445
86mm	1368	1387	1407	1459	1480

Thrust Washers

- When refitting crankshafts, thrust washers should always be checked and replaced. Available in standard and plus 3 thou only in an engine set of 4.
2. a for 1275 standard . . . **Order as AEW2136**
b for 1275 at 3 thou oversize. **Order as AEW2136-003**
 3. a for 998 standard size **Order as AEW2122**
b for 998 at 3 thou oversize. **Order as AEW2122-003**

As many as possible of our engine parts are supplied by Federal Mogul one of the worlds largest suppliers of automotive components, who purchased Vandervell, Glacier, Payen and AE Hepolite. All of these old names are synonymous with the BMC/ Leyland A series engine and we have carried on the tradition.

End & Main Bearings

4. Our main range of bearings was Vandervell but owing to poor supply, varying tolerances and imperfections all the leading engine builders and Mini Spares have reverted to the superior ACL bearings which are steel backed lead indium copper race quality. * Please state oversizes when ordering bearings.
 - a. **Big ends 850/998/1100 and Cooper 'S'**, 1.625" diameter, available in std/10/20/30/40. **Order as AEB572**
 - b. **Big ends 1275cc 1.749"** diameter, available in std/10/20/30/40 **Order as AEB91306**
 - c. **Mains 1300cc and all 'S'**, available in std/10/20/30/40 **Order as AEM91120**
 - d. **Mains 1300cc A-plus**, available in std/10/20 only, with centre locating tab. **Order as AEM91886**
 - e. **Mains 998/1100cc**, available in std/10/20/30/40 **Order as AEM3314**
 - f. **Mains 998 A-plus**, available in std AE material only in std/10/20 only, with centre locating tab **Order as AEM3427**



Cam Keys Offset & Standard



To aid accurate timing when using non adjustable timing gear systems, there is a range of proper CNC machined offset cam keys available. These come in 1° increments up to 9°. One tooth round on the gear represents 13° of cam timing, so if you are more than 9° out move the cam gear one tooth in the required direction and use the keys the other way round as they are bi-directional. They are available individually.

5. **Standard camshaft key.** Always replace when fitting a new camshaft. **Order as WKN505**
6. **Offset camshaft key, represents 1° offset.** Change the number to order the required key, (ie. for 3°, WKN3 OSET). Available from 1° to 9°. **Order as WKN1 OSET for 1°etc.**
7. **Crankshaft timing gear key.** **Order as 6K836**
8. **360° Protractor for timing camshaft.** **Order as C-AJP337**



MPZ Engine Build Lubes

9. **MPZ Engine Assembly Lube.** Favoured by professionals for press fitting piston wrist pins, pre lubing bushes, plain bearings, roller bearings, journals and gears. Prevents scuff, seizure, wear, rust, waterproof and corrosion proof. (4 fl oz). **Order as KCLUBE**
10. **MPZ Cam Lube.** As above but converted into a non-melting gel type grease. These features protect cam lobe, lifters and valvetrain components from scuffing and wear during initial start-up. Also useful for Mini oil pumps to stop drain back on start up. (1 fl oz) **Order as KCLUBE1**





37 Camshafts

Kent Cams

All 1/2" lobe Kent cams are now supplied on new A plus slot drive blanks as supplies of usable old units are scarce.

- Road Cam.** Excellent urban cam, pulls from very low down, increases low, mid and top end in nearly all engines. Smooth idle, and good economy. Rev band up to 6,000 rpm Order as MDM256
- Fast Road Cam.** Brilliant all round performance road cam. Smooth idle, pulls from around 1,200 rpm. Small gain in low end, big increase in mid and top end. Unbeatable for genuine fast road use. Rev band 1,200 rpm to 6,500/7,000 rpm Order as MDM266
- a. Mild Road Cam.** Single point injection only Order as MDM274
b. Performance Road Cam. Twin point injection . Order as MDM274MPI
- Road / Rally Cam.** Slightly lumpy at idle, especially in small bore units. Strong mid and top end power. Rev band 1,500/7,000 rpm. Order as MDM276
- Rally Cam.** Hottest road useable cam. Not a good traffic cam. Lumpy idle. Order as MDM286
- Race Cam.** Needs free flowing exhaust manifold and system, requires a high compression ratio, best with medium to long inlet manifolds. Mid and top end power only. Gives very good results when twin SU's are used. Rev range 3,250-8,000/8,500 dependant on build. Order as MDM296
- Full Race Cam.** Needs fully prepared engine for best results. Rev range 4,000 to 8,500/9,000 dependant on build. High compression ratio also required, 12:1 plus. Order as MDM310

Mini Spares 'Evolution' Cams

Also available are Mini Spares own "Evolution" cams, designed for the broadest range of power on any 1275-1380cc whilst returning decent fuel economy and does not need hi lift rockers. Used on all our 1310-1380cc engines (see ENG001/2/3 on page 33). In A-plus only, on an exchange basis Order as EVOLUTION001

- 998cc Cooper cam** is a classic and available. We can do most 1/2" pin drive cams ground from new blanks if required. . Order as AEA630

Piper Cams



- These 2 piper cams have been added to our range** because they are very good for producing low emission readings. Especially valuable for MOT tests. Available in A plus slot drive only.
a. Mild road for all engines producing excellent torque and smooth idle between rev range 1000-6000 RPM . . . Order as BP255M
b. Ultimate road for 1275cc and larger engines, massive improvements in mid range torque and power. Powerband 2000-7000 RPM Order as BP285M

Cam Bearings



It is also essential to fit cam bearings in any 850cc block being used in competition to prevent seizure of the cam. The block will need to be line-bored by a competent engineering company to enable fitment.

- Housing diameters should be
FRONT 1.7955" to 1.7965"
CENTRE 1.753" to 1.754"
REAR 1.503" to 1.504", FRONT is the water pump end.
- Large bore cam bearing set.** Has slightly wider bearing at oil pump end than the small bore block Order as AEC3063
 - Small bore cam bearing set,** but could also be fitted to large bore block Order as AEC3046

Kent Scatter Pattern Cams



This selection of cams are the very latest supercams available for the 'A' series engine. Their design gives more torque, more power and more usable rpm than their equivalent single pattern cams. Particularly when a single Weber on a short inlet manifold is used. Current state of the art technology.

- Street Cam.** Single point injection only Order as MDM274SP
- Ultimate Street Cam.** Order as MDM286SP
- Excellent Rally/Autocross/Rally Cross Cam.** Gives very strong mid range and top end power. Needs high compression ratio and non restrictive exhaust manifold and system. On new blank only. Order as MDM296SP

- Race Cam.** Needs a high compression ratio. Not as fussy about exhaust system. Effectively a 90's engineered 649. Gives wide power band, very good results in standard stroke race 1275cc 'S'. Order as MD290SPM
- Ultimate Race Cam.** Needs fully prepared engine for good results - high compression ratio, high flow head, exhaust manifold and system. Best for short stroke circuit/tarmac engines. Order as MD310SPM

Early 850/998/1100cc used 3/8" wide lobe pin drive camshafts. We recommend you use A-plus camshaft with stronger 1/2" lobe widths and use corresponding oil pump. Always state type of oil pump drive that is required when ordering.
Pin type now only available in 3/8" lobe.

The timing figures are quoted in degrees inlet period/exhaust period - inlet opens before top dead centre/closes after bottom dead centre, exhaust opens before bottom dead centre and closes after top dead centre.

MEGADYNE RANGE CAMS		POWER BAND	TIMING IN/EX IN °	DURATION IN/EX	LCA°	LIFT STD RATIO	CAM LIFT
	MDM256 Mild Road	1000-6000	21-53 / 53-21	254 / 254	106	.320 / .320	.263/.263
	MDM266 Fast Road	1000-6500	24-56 / 61-29	260 / 268	106	.320 / .330	.263/.270
	MDM274 Fast Road	1000-6000	12-56 / 69-25	248 / 274	112	.348 / .343	.258/.281
	MDM276 Road Rally	1500-7000	29-61 / 66-34	270 / 280	106	.360 / .380	.293/.315
	MDM286 Rally	2000-7500	34-66 / 71-39	280 / 290	106	.388 / .400	.315/.324
	MDM296 Race	3250-8000	39-71 / 76-44	290 / 300	106	.400 / .420	.324/.340
	MDM310 Full Race	4000-8500	49-81 / 81-49	310 / 310	106	.420 / .420	.340/.340
MDM315 Full Race	4500-9000	53-81 / 81-53	314 / 314	104	.428 / .428	.347/.347	
MEGADYNE SCATTER PATTERN CAMS		POWER BAND	TIMING No.1&4 IN/EX	TIMING No.2&3 IN/EX	LCA°	LIFT STD RATIO	CAM LIFT
	MD286SPM	2000-7500	34-66 / 71-39	37-63 / 71-39	106	.388 / .400	.315/.324
	MD296SPM	3250-8000	39-71 / 76-44	42-68 / 76-44	106	.400 / .420	.324/.340
	MD290SPM	3500-8250	41-69 / 73-37	47-63 / 67-43	103	.395 / .395	.383/.383
	MD310SPM	4000-8500	49-81 / 81-49	52-78 / 81-49	103	.420 / .420	.340/.340

All camshafts are A-plus slot drive, ensure you obtain the correct oil pump. Valve lifts are actual lifts achieved when fitted. All valve gap clearances are 0.16" (0.40mm)



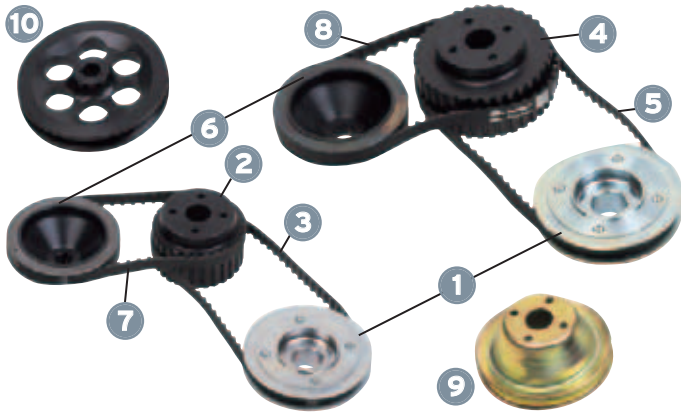


Crank & Ancillary Pulleys

Alternative ancillary drive systems are available. For race use where the alternator is not used there is a toothed belt drive system with large diameter or standard diameter water pump pulley that eliminates problems caused by conventional belts being turned or thrown through misalignment.

The crank pulley is made to accept the 12A367 damper ring as shown on the crankshaft page, which is not included but advisable for most applications to reduce crankshaft failure.

A tooth belt drive kit for the alternator is also available with an oversized alternator pulley. Running a secondary belt from the water pump pulley to the alternator ensures that if the charging system belt goes, the car can still be driven.



1. Crank pulley for all tooth belt drive kits. Use 12A367 damper ring (No.1) Order as C-AEG455
2. a. Standard diameter tooth belt drive alloy water pump pulley with 28 teeth giving 0.87 to 1 ratio Order as C-AEA477
b. Same as C-AEA477 above water pump pulley with 28 teeth, but in steel for use in dirty, dusty conditions where the alloy pulley can wear quickly Order as C-AEA478
3. Tooth drive fan belt for No.9 and No.10 Order as C-BELT255
4. Large diameter tooth belt drive alloy water pump pulley with 36 teeth giving 1.13 to 1 ratio Order as C-AEA476
5. Tooth belt fan belt for No.9 and No.12 Order as C-BELT270
6. a. Dynamo or alternator tooth belt pulley for 15mm fixing hole pre 1985 Order as C-AEA479
b. Alternator tooth belt pulley for 17mm fixing hole 1985 on. Order as C-AEA480
7. Tooth belt for alternator to standard 28 teeth water pump pulley. Order as C-BELT210
8. Tooth belt for alternator to large 36 teeth water pump pulley. Order as C-BELT225
9. a. 3 7/8" (3.875") pressed steel water pump pulley. Pre 1980. Order as CAM6239
b. Large diameter 4 3/4" water pump pulley as fitted from 1980 on. Order as CAM6408
10. Large 5" diameter alloy dynamo/alternator 'V' pulley is available for reducing the speed of the charging system to prevent overcharging, on high rpm engines Order as C-AEA535

TOOTH BELT DRIVE FOR CRANK TO WATER PUMP USE FOLLOWING PARTS

Crank Pulley	Water Pump Pulley	Fan Belt
C-AEG455	ALLOY 1.13 TO 1 RATIO	C-BELT270
C-AEG455	ALLOY 0.87 TO 1 RATIO	C-BELT255
C-AEG455	STEEL 0.87 TO 1 RATIO	C-BELT255

TOOTH BELT DRIVE FROM WATERPUMP TO DYNAMO OR ALTERNATOR

15mm Hole Pulley Pre 85	17mm Hole Pulley 85 on	Fan Belt
C-AEA479	C-AEA480	C-BELT225
C-AEA479	C-AEA480	C-BELT210
C-AEA479	C-AEA480	C-BELT210

For complete kit follow the line across choosing pulley for electrics required and corresponding fan belt.

Pulleys, Belts & Dampers

-
11. For high performance engines an efficient crank damper is a necessity to reduce failure. The standard damper commonly used is barely adequate for the standard engine, under certain conditions. Mini Spares have reproduced the original 'S' damper and pulley - far superior to the standard item. The damper ring can be bolted directly to the toothed belt crank pulley, or used with the original 'V' belt crank pulley.
 11. Damper ring. For crank pulley Order as 12A367
 12. Crank pulley Order as C-AEG454
 13. One piece damper pulley latest Poly 'V' belt pulley as per Twin points 1997 on. Order as LHF100130
 14. Original ST Works locktab for use with original hexagon bolt and split pulley. (No. 1 & 2 or 1 & 9) Order as C-AHT146
 15. Consistent and effective crank damper retention has long been a problem on the 'A' series engine. This is mostly due to a short retaining bolt, which can become loose. The socket cap head bolt with extended threads and a large washer eradicate this problem and allow further spacing of the pulley. Order as C-AHT147

Crank & Ancillary Pulleys

For improved drive for fast road applications where an alternator is used, a poly 'V' system is available.

This is the latest design of ancillary drive fitted to most modern production cars, including the 1997 Mini with a front mounted radiator.

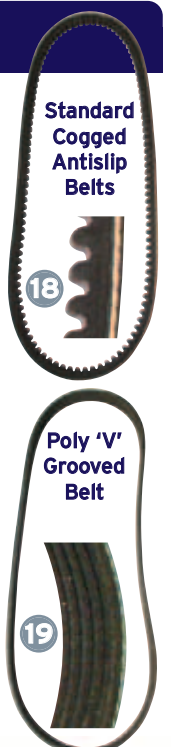


16. a. Poly 'V' drive system includes water pump pulley, 15mm hole alternator pulley, new crank damper pulley and drive belt. Pre 1985 Order as C-AEA538
b. As above but with 17mm hole alternator pulley, 1985 on. for A127 type alternator Order as C-AEA538A
17. Spare poly 'V' belt for C-AEA538 Order as C-AEA540

Fan Belts

Nearly all cogged fan belts indicate their length by the last 3 digits of the part number in millimetres. The fan belts were changed so many times on pre 1990 cars the only sure way to find a correct replacement is to look at your old fan belt and if it appeared to be the correct size, see if there are any remnants of the part number and always carry a new spare so you have the part number on hand at all times. If not measure the old belt

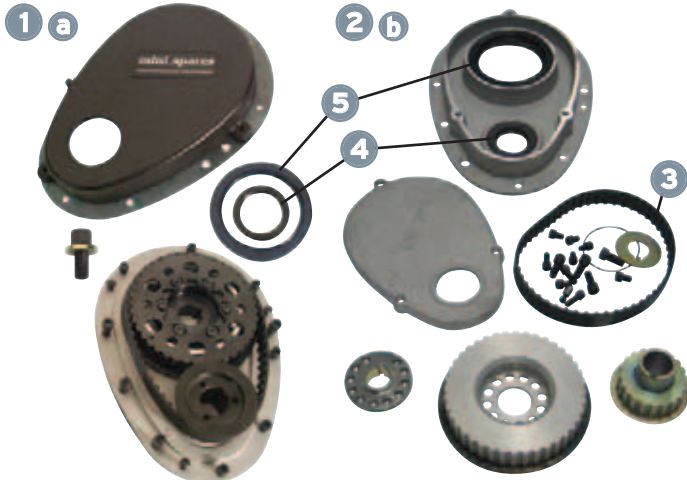
18. a. Original small water pump pulley less charging system. This replaces C-AEA539. Order as GCB10685
b. With CAM6408 large (4.75" wide) water pump pulley less charging system Order as GCB10725
c. With dynamo or 16/17ACR alternator. Order as GCB10813
d. With CAM6408 large pulley 1980 -1996 plus some earlier cars Order as GCB10825
e. Longer alternative than No.4 with CAM6408 large pulley and alternator Order as GCB10838
f. With C-AEA535 large charging pulley and 3.875" pressed steel pulley Order as GCB10863
g. With C-AEA535 large charging pulley and CAM6408 large pulley Order as GCB10900
19. Poly 'V' belts on Twin point injection cars from 1996.
a. Without air con compressor .. Order as GMB50920
b. With air con compressor Order as GMB51005





39 Belt Drive Kits

Belt Drive Kits



Belt drive kits help to restore power loss caused by original timing gear wear and stretching. Helps reduce noises associated with valve train and dampens out certain harmonic noises generated by the three main bearing 'A' series engine. Also preserves exact timing where anything over 2° out causes power loss. The kits available contains everything to replace timing gears and cover.

Mini Spares latest belt drive kits which have a plastic dust cover will be phased out and replaced by the alloy version owing to costs. Two options for crank pulleys are used. Rotaslide screw adjustment or dowel adjustment.

1. Rotaslide Belt drive kit with screw type adjustment.
 - a. Plastic cover (38mm wide crank gear boss). Order as C-AJJ3326RACE
 - b. Alloy cover (not shown) Order as C-AJJ3326
2. Dowel type belt drive kit, where interrelated holes between cam boss and cam gear are located by a dowel to give exact timing that will never move, is in fixed increments of 2°.
 - a. Plastic cover (38mm wide crank gear boss). Order as C-AJJ3328RACE
 - b. Alloy cover (32mm wide crank gear boss). Order as C-AJJ3328
3. Replacement belt for above Order as BELTBELT
4. Replacement small oil seal.
 - a. For 32mm wide gear Order as BELTSEAL1
 - b. For plastic case type (as shown above) with upgraded 38mm wide gear Order as BELTSEAL3
5. Replacement large oil seal Order as BELTSEAL2

Timing Covers

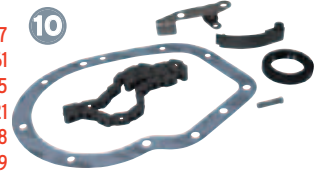
6. Timing cover with completely round breather for pre injection cars, A-plus cars without sensor or pickup. .Order as CAM4868
7. Timing cover less breather for A Plus engines with single chain and tensioner. Order as CAM4904
8. Timing cover with breather for twin point injection cars. Order as LJR103470
9. Timing cover with breather for single point injection cars 91on only with brackets for pick up points to provide timing /ignition sensors. Order as LJR10168



Note: All covers come complete with seals

Simplex Tensioner Repair Kit

- 10 Simplex tensioner 6 piece kit to stop timing chain rattle on A plus engine with single row chain. Order kit as MSSK051
Kit Contains:
 - a. Timing chain Order as 3H217
 - b. Oil sea Order as 88G561
 - c. Gasket Order as 12G2625
 - d. Tensioner Order as 12G2621
 - e. Plate to hold tensioner 12G2628
 - f. Pin to hold tensioner/plate 12G2629
11. Gears if required are:
 - a. For crankshaft Order as 8G725
 - b. For camshaft Order as 12G4337



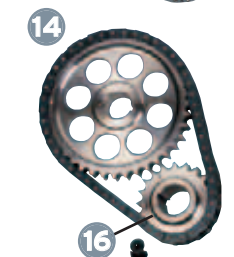
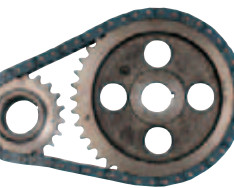
Upated Duplex Gear Kits



Fitment of an uprated cam drive system is essential when building a performance orientated engine. Timing scatter induced by the standard set up can reach up to 15° once the single row chain has stretched, which it does after only a few miles. This scatter not only affects the cam timing, but also the ignition and the distributor being driven by the camshaft. Power loss suffered by this phenomenon is substantial.

Replacing the standard single row (simplex) system with a dual row (duplex) system greatly reduces the problem, use of a tooth belt system all but eliminates it. The belt system vastly reduces valve train noise and also helps damp out some of the odd harmonics generated by the 3 main bearing 'A' series engine.

It is also extremely important to time any cam in to its required setting to obtain maximum performance, especially performance cams. The 'dot to dot' method can, because of manufacturing tolerances, be out by as much as 10° or more. Anything over 2° out and power suffers; more in small bore engines. In race engines you probably lose 1 hp for every degree the cam timing is out, more if over 6°. However, all manufacturer figures are really a close guide line. Dyno tuning the engine is the only way to optimise cam timing.



12. Budget standard cast duplex gear and chain set, road use only. Genuine A.E. Hepolite parts Order as C-AJJ3323
13. Budget lightened cast duplex gear and chain set. Not recommended for rally/race application Order as C-AJJ3324
14. Ultralight non-adjustable steel duplex gear and chain set. Order as C-AJJ3325
15. Vernier adjustable steel duplex gear and chain set. Uses the dowel adjustment system similar to the belt drive kit Order as C-AJJ3327
16. a. Duplex chain Order as 2H4905
b. Performance duplex chain. Order as 2H4905MS

NOTE: The engine front plate to main bearing cap screw holes need to be countersunk, and two AEA687 countersunk screws used to clear the chain. These are the original Allen key type of screw which are supplied in the steel kits and Phillips type head screw are supplied in budget kits.

Dyno tuning the engine is the only way to optimise cam timing to achieve maximum BHP possible.



Lightened Steel Flywheel

FLYWHEEL WEIGHT COMPARISONS

	KG	LB
Ultra light steel race flywheel	3.80	8.38
Steel Verto outer section only	4.01	8.84
Steel light weight fast road spec.	5.00	11.02
Verto standard iron outer section only	5.82	12.83
Safely lightened standard iron flywheel	6.06	13.36
Standard iron flywheel unmodified	7.58	16.71

NOTE: All above are with ring gears.



For improved performance you can replace the original cast iron with lightened steel. Lightened standard cast ones are dangerous (can explode at high revs). The steel flywheel also provides a much harder clutch surface.

It is highly recommended to use 3 clutch straps (2A3658 / No.9) per location to minimise stretch on high performance engines.

- In 1996 we started producing our own ultralight steel flywheels as all available flywheels at the time had certain problems. Harmonic balancer testing showed frequency problems at high rpm - from the flywheel. Our flywheel is more symmetrical and evenly balanced to be near perfect. The flywheel comes with the required distance pieces for mounting the straps.
 - Ultra light steel flywheel. Order as C-AEG619
 - Ultra light flywheel with ring gear for pre-engaged starter. Order as C-AEG620



- For road use we developed a lightened steel flywheel ideal as a standard flywheel replacement. This gives a smoother tick over than the ultra light version on fast road applications when high lift cams are used. Relevant distance pieces are provided.
 - Light steel road spec flywheel. Order as C-AEG421
 - Light steel road spec flywheel, with ring gear for pre-engaged starter Order as C-AEG420

- For Verto type clutch assemblies we have developed a replacement outer flywheel section in steel that is nearly 4lb lighter than the standard item. Verto is identified by a short clutch arm. Manufactured to increase the pressure plate clamping rate, for improved clutch performance.
 - Verto flywheel for pre injection type carburettor models. Order as C-AEG422



- For injection models with Valeo type clutches, two types are produced with differently machined reluctor rings.
 - For single point injection. The ignition trigger points have been advanced by cnc milling the reluctor ring into the back of the flywheel to give an ignition timing of between 12-14° at 1000rpm, gives optimum power. Order as C-AEG425
 - For twin point injection Order as C-AEG424
- Flywheel boss, verto only. Requires fixing bolts DAM5920 Order as DAM5921



Clutch Backplate Pre Verto

- This new EN8 upgraded lightweight backplate shows our commitment to improving products, this replaces our old original 22G270 iron type as used on Cooper 'S' models and weighs 1.450 kg (3.21LBS) Order as C-AHT230
- Mini Spares cast iron back plate 2.14kg (4.73LBS) original was 2.61kg (5.74LBS). Not for racing Order as 22A598



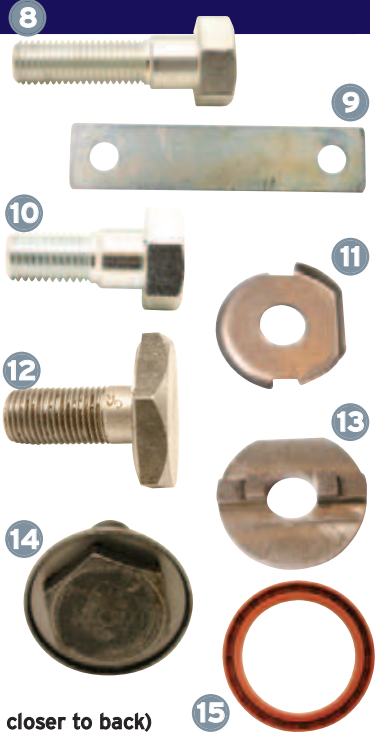
AP Verto Pressure Plate



- AP pressure plate, recognised as having the best clamping pressure, will not fit injection cars unless a modified Flywheel is used. Order as GCC679

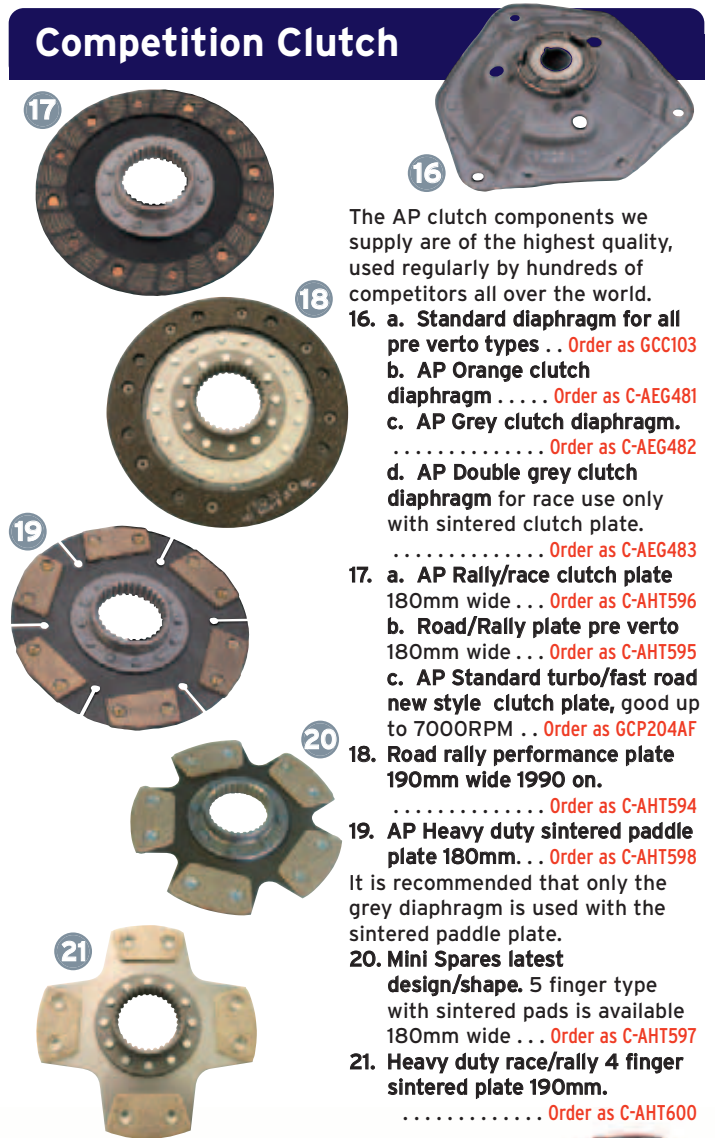
Clutch Fittings

- Bolt for clutch cover to pressure plate.
 - (torque to 19lbs). Order individually as 2A3657
 - Race version. Order individually as C-2A3657
- Clutch Strap. Order individually as 2A3658
- a. Bolt for strap to flywheel. Order individually as 2A3659
- Race version. Order individually as C-2A3659
- Flywheel bolt lock tab. Pre verto Order as 22A1155
- Flywheel bolt. Pre verto. Order as 22A747
- Locking plate key.
 - Pre verto . Order as 88G508
 - Verto Order as DAM5923
- Flywheel locktab and bolt. Verto. Order as DAM5922
- a. Clutch Oil Seal. Pre 1992. Order as 13H2934
- Mini Spares version for performance engines. Order as 13H2934MS
- Rovers last design (spring closer to back) black clutch oil seal. 1992 on Order as LUF10005



Competition Clutch

- Standard diaphragm for all pre verto types Order as GCC103
 - AP Orange clutch diaphragm Order as C-AEG481
 - AP Grey clutch diaphragm. Order as C-AEG482
 - AP Double grey clutch diaphragm for race use only with sintered clutch plate. Order as C-AEG483
 - a. AP Rally/race clutch plate 180mm wide Order as C-AHT596
 - Road/Rally plate pre verto 180mm wide Order as C-AHT595
 - AP Standard turbo/fast road new style clutch plate, good up to 7000RPM Order as GCP204AF
 - Road rally performance plate 190mm wide 1990 on. Order as C-AHT594
 - AP Heavy duty sintered paddle plate 180mm. Order as C-AHT598
- It is recommended that only the grey diaphragm is used with the sintered paddle plate.
- Mini Spares latest design/shape. 5 finger type with sintered pads is available 180mm wide Order as C-AHT597
 - Heavy duty race/rally 4 finger sintered plate 190mm. Order as C-AHT600



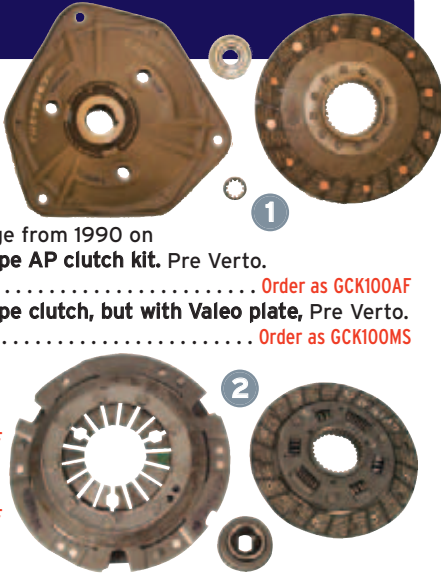


41 Clutch Parts, Slave Cylinders & Turbo Parts

POWERTRAIN

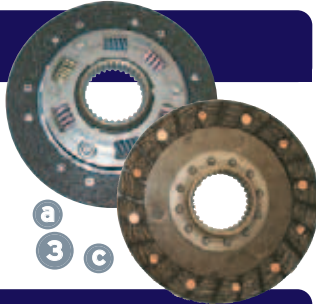
Clutch Kits

1. **3 Piece Clutch Kits AP** stands for Automotive Products the original manufacturer for all Mini clutches until Valeo were introduced to the 1275cc Verto range from 1990 on
 - a. **3 piece diaphragm type AP clutch kit.** Pre Verto.
..... Order as GCK100AF
 - b. **3 piece diaphragm type clutch, but with Valeo plate,** Pre Verto.
..... Order as GCK100MS
2. a. **3 piece AP clutch kit with 180mm wide plate,** Verto to 1990.
..... Order as GCK151AF
- b. **3 piece AP clutch kit with 190mm wide plate** 1990-91. Order as GCK150AF
- c. **3 piece Valeo kit with 190mm plate, 190mm cover,** Verto as standard from 1991 on but must be used on all injection models. Order as GCK152MS
- d. **Flywheel & clutch assembly with 190mm plate,** for twin point 1996 on Order as GCU90123AF
- e. **Flywheel & clutch assembly with 190mm plate,** for single point 1992-96. Order as GCU90121AF



Clutch Plates

3. a. **Verto 190mm wide clutch plate,** changed to Valeo type for 1275cc from 1990 on. Order as GCP90832AF
- b. **Verto 180mm wide clutch plate** up to 1990. Order as GCP271AF
- c. **Diaphragm type, pre verto clutch plate**. Order as GCP204AF



Clutch Release Bearings & Arms

4. **Long pre verto clutch arm and plunger race kit.** Made in EN24T for heavy duty diaphragms, includes special plunger, hardened pin and R-clip.
..... Order as C-22A2204
5. **Long pre verto clutch arm.**
 - a. **Genuine for performance.**
..... Order as 22A2204
 - b. **Standard use.** Order as 22A2204MS
6. **Plunger**. Order as 22A180MS
7. **Short verto clutch arm.**
..... Order as DAM5355
8. **Verto plunger**. Order as DAM5353
9. **Release Bearing for use with long clutch arm.** Pre verto.
 - a. **Standard**. Order as GRB201
 - b. **Performance** Order as GRB201EVO
10. **Release Bearing.** For use with short clutch arm. Verto.
..... Order as GRB239
11. **Anchor for clutch return spring.**
..... Order as 2A3601
12. **Clutch arm return spring.**
..... Order as 1G5999
13. **Clutch arm lower large clevis pin.**
..... Order as CLZ628
14. **Clutch arm upper small clevis pin.**
..... Order as CLZ518



Slave Cylinders

15. **For Long arm pre verto genuine.**
..... Order as GSY110
16. **For Long arm pre verto non-genuine.**
..... Order as GSY110MS
17. **Seal repair kit for GSY110.**
..... Order as GRK4008
18. a. **For Short arm verto.**
..... Order as GSY118
- b. **As above non genuine.**
..... Order as GSY118MS
- c. **Seal repair kit for GSY118.**
..... Order as GRK4001
19. **Bracket for slave cylinder on verto engines.** Order as DAM5992
20. **Clutch arm push rod**. Order as 13H396



Turbo Parts

21. **Bulkhead box, required when fitting a turbo.**
..... Order as TURB0
22. **Reinforced manifold gasket for turbo.**
..... Order as GUG704063MG
23. **Downpipe to fit turbo exhaust outlet.**
..... Order as ET3
24. **Block to turbo oil feed pipe**. Order as TURB004
25. **Turbo fuel pump.**
..... Order as TURB005
26. **Fuel pressure regulator.**
..... Order as FPR012
27. **K&N filter clamps onto existing turbo air pipe for use in Mini body.**
..... Order as RU-0840
28. **In car adjustable boost valve**. Order as TURB006
29. **Dump valve.**
..... Order as TURB007
30. **Turbo boost gauge.**
..... Order as SWG527
31. **Hose and fitting kit for SWG527.**
..... Order as LMA001
32. **Camshaft for turbo.**
..... Order as TURB003
33. **Oil pump for turbo engine**. Order as GLP10MS



Mini Spares Bushes

- The original Deva front bush often wears so Mini Spares came up with a proven alternative for their own use and as an inexpensive replacement. Remove your old bush and fit this replacement floating type, which just slides in without requiring the expense of having it machined concentrically with the top hat rear bush. The reliability of the rear floating bush has been tested in both full race and standard road cars since 1999.
34. a. **Mini Spares front fully floating bush.** 1275cc. Order as C-AEA3240
 - b. **Front Deva bush - requires machining after fitment.** 1275cc.
..... Order as DAM8889
 35. **Rear top hat bush** requires machining after fitment. Order as 22G109



POWERTRAIN





3 Synchro Straight Cut Gears

GEAR RATIO COMPARISON (3 SYNCHRO GEARS)

	850/997/998	'S' & 998 COOPER	STRAIGHT CUT
1st Gear	3.627	3.2	2.573
2nd Gear	2.172	1.916	1.722
3rd Gear	1.412	1.357	1.255
4th Gear	1.0	1.0	1.0



3 Synchro straight cut gear sets include 2nd, 3rd gear, 1st motion shaft and laygear only, but must be used with original B type 1st/2nd outer track 22A1021 and 22G202 standard reverse gear. Gears are also kept in stock for the Sprite/Midget box. First gear outer track 22G1118/9 is needed for this set up.

	Mini	Sprite
Kit part number	C-AJJ3371	C-AJJ3319
Laygear 12, 17, 20, 23 teeth	C-22G1047	C-22G1047
2nd Gear 28 teeth	C-22G1049	C-22G1049SPRITE
3rd Gear 24 teeth	C-22G1050	C-22G1050SPRITE
1st Motion 22 teeth	C-22G1048	C-AEG3138
1st Gear Outer Track (not supplied in kit)	22A1021	22G1119

NUMBER OF TEETH

Ratio	Primary Gear	Idler Gear	Input Gear
1-1	24	30	24
1-1	23	30	23
1.0416-1	24	30	25
1.0434-1	23	30	24
1.045-1	22	30	23
1.0869-1	23	30	25
1.09-1	22	30	24
0.958-1	24	30	23
1.136-1	22	30	25

22 tooth primary is for hill climbs, sprints only. 23 tooth primary originally turbo race (Metro)

Evolution Drop Gears

There are a unique eight ratios of straight cut drop gears to replace the standard helical set up, all based around a common idler gear. Produced to accurate specifications and a high quality finish, back lash is reduced to a minimum. This vastly reduces the 'clatter' experienced when using straight cut drop gears from other manufacturers, also making the gears inherently stronger and more tolerable when used in road cars.

interchangeability greatly reduces the cost for racers of having alternative ratios for different circuits - allowing the optimum gear ratios to be used for each circuit without the need for crown wheel and pinion changes.
NOTE: When fitting to 3 synchro boxes, spacer number C-STR239 is required for the input gear.

To alleviate undue pressure on standard idler gear bearings and thrust washers a twin taper roller or single roller bearing kit is available using a special converted idler gear. The taper type requires specialist installation.

1. Primary Gears.

- a. 24 tooth 1300cc type Order as C-STR124
- b. 23 tooth 1300cc type Order as C-STR123
- c. 22 tooth 1300cc type Order as C-STR122

2. Idler Gears.

- a. 30 tooth - pre A-plus 1/2" shaft Order as C-STR30
- b. 30 tooth - A-plus 7/8" shaft Order as C-STR30A

3. 30 tooth idler gear & taper roller bearing conversion.

- a. Pre A-plus Order as C-STR30T
- b. A-plus Order C-STR30TA

4. 30 tooth idler with one large central roller bearing conversion.

- a. Pre A-plus Order C-STR31
- b. A-plus Order C-STR31A

5. Input Gears.

- a. 23 tooth extra strong. Order as C-STR230
- b. 24 tooth input gear. Order as C-STR240
- c. 25 tooth input gear. Order as C-STR250



4 Synchronmesh Straight Cut Gears

Mini Spares are proud to boast that their unique gears are definitely the best on the market in terms of value, quality, design and appearance using original Rover tooling for the speed gears.

GEAR RATIO COMPARISON (4 SYNCHRO GEARS)

	HELICAL			STRAIGHT CUT	
	EARLY 850/998/1100	'S' & 1275GT	A-PLUS	CLUBMAN SET	'ST' SET
1st gear	3.52	3.32	3.64	2.583	2.544
2nd gear	2.21	2.09	2.18	1.711	1.731
3rd gear	1.43	1.35	1.42	1.250	1.258
4th gear	1.0	1.0	1.0	1.0	1.0

Evolution Gears

By using the very latest gear cutting techniques, equipment, Rover tooling and drawings it has enabled top line manufacture of all our gears, allowing Mini Spares to make alternative ratios, namely the 5 speed gearbox and the Evolution Clubman A-plus straight cut gear set.

Laygear uses 2 bearings



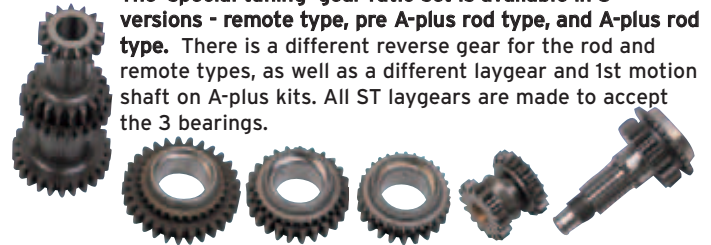
The Evolution Clubman straight cut gear set has teeth counts that provide a ratio between the old special tuning 3 and 4 Synchro gearsets. This provides a better set for the road and is much favoured by certain participants of motorsports such as rallycross. This set utilises your standard 1st and reverse gear which are already straight cut as standard, which helps to reduce cost.

In A-plus type only Order as C-STN39

C-STR291	Clubman 2nd Gear	26 Teeth
C-STR292	Clubman 3rd Gear	23 Teeth
C-STR293A	Clubman 1st motion Shaft	20 Teeth
C-STR294	Laygear	15,19,23,25 Teeth

Original Design Special Tuning Gears

The 'special tuning' gear ratio set is available in 3 versions - remote type, pre A-plus rod type, and A-plus rod type. There is a different reverse gear for the rod and remote types, as well as a different laygear and 1st motion shaft on A-plus kits. All ST laygears are made to accept the 3 bearings.



Straight Cut Gears	Remote Type ST Ratio Gear Kit	Rod Change ST Ratio Gear Kit	Rod Change A-Plus Gear Kit
Part Number for Kits	C-AJJ4014	C-STN76	C-STN77
1st motion pre A-plus, 19 teeth	C-22A1732	C-22A1732	
1st motion A-plus, 19 teeth			C-22A1732A
3rd Gear, 22 teeth	C-22A1733	C-22A1733	C-22A1733
2nd Gear, 25 teeth	C-22A1734	C-22A1734	C-22A1734
1st Gear, 29 teeth	C-22A1735	C-22A1735	C-22A1735
Laygear, 15,19,23,25 teeth	C-22A1737	C-22A1737	
A-plus Laygear			C-22A1737A
Reverse Gear rod Gear	C-22A1736		
Rod Change Reverse Gear		C-STR303	C-STR303

Over 1,000 Straight Cut Gears Sold Annually

Synchronmesh Hubs

6. 1st/2nd synchronizing hub for 4 synchronmesh gearboxes
 - a. Complete hub assembly. Order as DAM7455
 - b. Outer track only of DAM7455. Order as DAM7300
7. 3rd/4th synchronizing hub for 4 synchronmesh gearboxes . Order as DAM7456



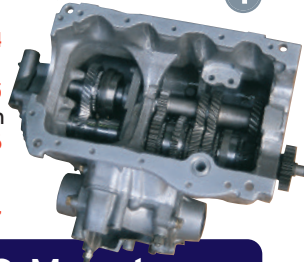
43 Gearbox, Levers, Gaitors & Mounts



5 Speed Rod Change Gearboxes

The gearcase undergoes extensive modifications plus 58 new linkage and gear modification parts. Modified to a closer ratio by virtue of new redesigned laygear and 1st motion shaft producing 3.282 1st gear, 1.966 2nd gear, 1.283 3rd gear, 1.1 4th gear and a 5th gear ratio of 0.882. Straight cut versions using Evolution Clubman gears produces a 5th gear ratio of 0.865. See gears page for Clubman ratios. Used since 1994 on all applications up to 1380cc (except extra boosted turbos), the strength of the helical cut gear box is dependant on the torque capability of the original 2nd/3rd gears plus the final drive pinion (i.e. 80-85 ft. lb. of torque). Keith Dodd and others have used these gear boxes on 1380's & 8port road cars.

1. a. 5 Speed complete A-plus gearbox with 3.4 diff. Order as MSG04
- b. 5 Speed complete A-plus gearbox with 3.4 crosspin diff. Order as MSG05
- c. 5 Speed complete Evolution Clubman straight cut. 3.4 diff. Order as MSG06
- d. 5 Speed complete Evolution Clubman straight cut with 3.4 crosspin diff. Order as MSG07



Gear Levers, Gaitors & Mounts

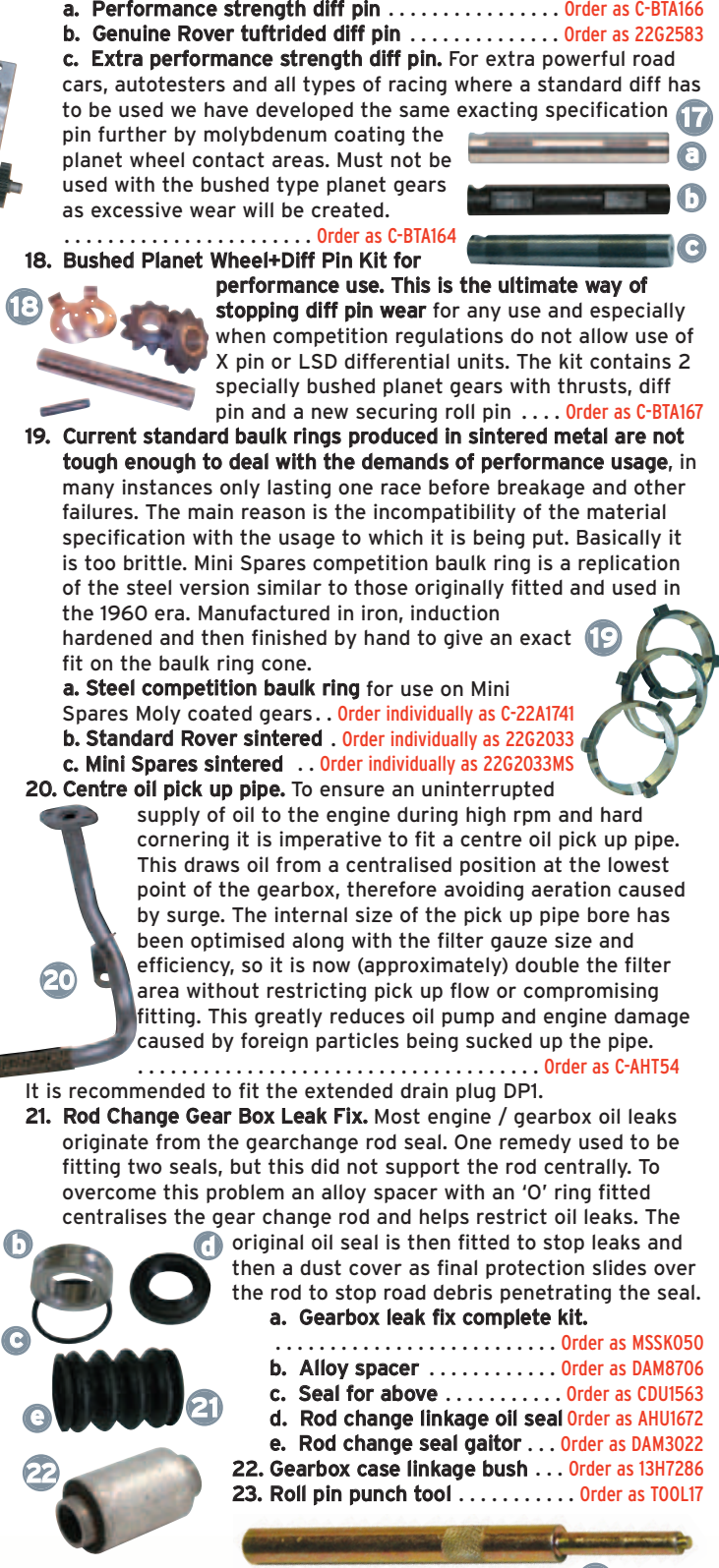
Quick shifts are not recommended for 5/6 speed gearboxes



2. Reverse gearlock for remote type gear levers to remove possibility of going into reverse in error. Order as MS71
3. a. Chrome quick shift gear change for rod change gearbox. Nearly halves lever travel between gear changes. Order as C-22A1751
- b. New improved hi tech version Genuine K.A.D. supplied with an alloy gear knob. Order as C-22A1752
4. Chrome quick shift gear change for remote gearbox. Nearly halves lever travel for gear changes. Order as C-22A1750
5. Shift Bias Lever. (Rod change only). Makes second to third gear changes smoother and quicker, like most modern-day cars. Fitted to all 5 speeds. Order as MSG12
6. Mounting for the remote control housing Order as 21A956
7. Mounting for rod change gear lever housing Order as 22G2205
8. Remote control housing large rubber plug Order as 22A271
9. Remote housing to gearbox plug. Order as 22A285
10. Gaiter 1959 upto introduction of remote control type fits on gear lever base. Order as 22A1380
11. Magic wand Gear Lever Rubber Gaiter. 1959 upto introduction of remote control type. Fits onto floor Order as 14A6860
12. Remote type Gear Lever Rubber Gaiter. Upto 1973 when rod change type was introduced. Order as 22A608
13. Metal Gaiter retainer for above. Order as 14A9942
14. Rod Change type Gear Lever Rubber Gaiter. From 1973. Order as CZH4278
15. Metal Gaiter retainer for above. Order as FJN10003
16. a. Gear lever black vinyl gaiter. Rod change only. Order as BHH2002
- b. black with red stitching. Order as BHH2002AM

Gearbox Components

17. Over 12 years and 5000 sales have passed since an in-depth analysis was carried out to accumulate the contributing factors to the horrendous wear rates and failures, enabling Mini Spares to produce a new generation of pins that would almost eradicate the problem apart from those caused by poorly machined planet gears. Production tolerances were tied down to exacting specifications with a material and heat treatment upgrade. Planet gear contact area is increased as is the core strength of the pin combining with a finer ground surface to give a very tough and hard wearing component.
 - a. Performance strength diff pin Order as C-BTA166
 - b. Genuine Rover tufridged diff pin Order as 22G2583
 - c. Extra performance strength diff pin. For extra powerful road cars, autotesters and all types of racing where a standard diff has to be used we have developed the same exacting specification pin further by molybdenum coating the planet wheel contact areas. Must not be used with the bushed type planet gears as excessive wear will be created. Order as C-BTA164
 18. Bushed Planet Wheel+Diff Pin Kit for performance use. This is the ultimate way of stopping diff pin wear for any use and especially when competition regulations do not allow use of X pin or LSD differential units. The kit contains 2 specially bushed planet gears with thrusts, diff pin and a new securing roll pin Order as C-BTA167
 19. Current standard baulk rings produced in sintered metal are not tough enough to deal with the demands of performance usage, in many instances only lasting one race before breakage and other failures. The main reason is the incompatibility of the material specification with the usage to which it is being put. Basically it is too brittle. Mini Spares competition baulk ring is a replication of the steel version similar to those originally fitted and used in the 1960 era. Manufactured in iron, induction hardened and then finished by hand to give an exact fit on the baulk ring cone.
 - a. Steel competition baulk ring for use on Mini Spares Moly coated gears. Order individually as C-22A1741
 - b. Standard Rover sintered Order individually as 22G2033
 - c. Mini Spares sintered Order individually as 22G2033MS
 20. Centre oil pick up pipe. To ensure an uninterrupted supply of oil to the engine during high rpm and hard cornering it is imperative to fit a centre oil pick up pipe. This draws oil from a centralised position at the lowest point of the gearbox, therefore avoiding aeration caused by surge. The internal size of the pick up pipe bore has been optimised along with the filter gauze size and efficiency, so it is now (approximately) double the filter area without restricting pick up flow or compromising fitting. This greatly reduces oil pump and engine damage caused by foreign particles being sucked up the pipe. Order as C-AHT54
- It is recommended to fit the extended drain plug DP1.
21. Rod Change Gear Box Leak Fix. Most engine / gearbox oil leaks originate from the gearchange rod seal. One remedy used to be fitting two seals, but this did not support the rod centrally. To overcome this problem an alloy spacer with an 'O' ring fitted centralises the gear change rod and helps restrict oil leaks. The original oil seal is then fitted to stop leaks and then a dust cover as final protection slides over the rod to stop road debris penetrating the seal.
 - a. Gearbox leak fix complete kit. Order as MSSK050
 - b. Alloy spacer Order as DAM8706
 - c. Seal for above Order as CDU1563
 - d. Rod change linkage oil seal Order as AHU1672
 - e. Rod change seal gaiter Order as DAM3022
 22. Gearbox case linkage bush Order as 13H7286
 23. Roll pin punch tool Order as TOOL17



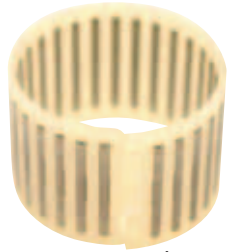


Gearbox Bearings

All bearings are sold individually



Bearing for 1st gear (4 synchro).
Order as AAU1815



Bearing for 2nd/3rd gear.
(4 synchro). Order as AAU1816



65mm diameter main shaft
double roller bearing.
Order as AAU1365



4 synchromesh 1st Motion shaft
single roller bearing.
Order as ADU7619



1st motion shaft
needle roller
bearing for 14mm
mainshaft.
Order as CHM172



1st motion shaft
needle roller &
layshaft bearing
for 18mm shaft.
Order as 13H9513



Layshaft large
needle roller
bearing for
20mm shaft.
Order as CHM141



Layshaft small
needle roller
bearing for
16mm shaft.
Order as 88G396



25.4mm
diameter
3 synchromesh idler gear bearing.
Order as 88G302



27mm
diameter
4 synchromesh idler gear bearing
Pre A plus. Order as 13H7848



35mm
diameter
4 synchromesh idler gear
Torrington bearing A plus,
1996 factory upgrade.
Order as TUK100320



35mm
diameter
4 synchromesh idler conversion
bearing for A plus case to
Pre A plus idler size.
Order as DAM3745



1st motion shaft
nose bearing and
outer track for
clutch case.
Order as AAU8424



Clip for holding
outer track of
nose bearing in
clutch case.
Order as 2A3643



Circlip to hold
bearing on 1st
motion shaft.
Order as CCN110



Differential
roller bearing
except autos.
Order as AHU1856

Layshafts



- 4 synchro layshaft single step pre A-plus Order as 22G931
 - competition version of above. Order as C-22A1738
- 4 synchro layshaft dual step. A-plus Order as DAM3187
 - competition version of above Order as C-22A1739
- 3 synchro hi-grade layshaft Order as C-22A1731

Gearbox Rebuild Kits

Pre A-plus gearboxes have a 14mm wide end on the mainshaft to fit the 1st motion shaft where as A-plus have a 18mm wide end to fit the 1st motion shaft. Some early A-plus and all ST original ratio straight cut laygears were made to take 3 bearings, hence kit .. Order as MSG24 Complete gearbox rebuild kit less differential for a pre A-plus series.

Complete gearbox rebuild kit with differential for a pre A-plus series. Order as MSG20 Complete gearbox rebuild kit with differential for a pre A-plus series. Order as MSG21

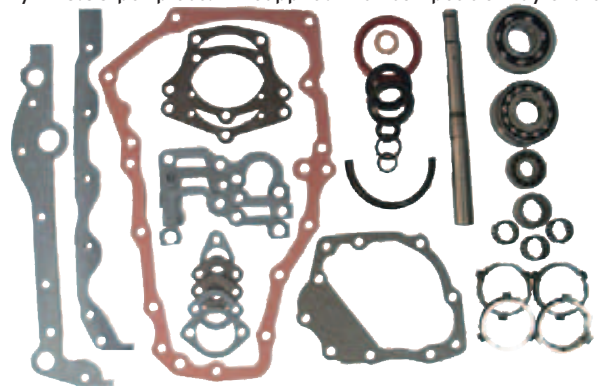
For 4 synchromesh gearboxes with 18mm wide mainshaft A-plus type

Complete gearbox rebuild kit less differential A-plus with 2 bearings on laygear Order as MSG22

Complete gearbox rebuild kit with differential parts for A-plus as above Order as MSG23

Complete gearbox rebuild kit less differential A-plus with 3 bearings on laygear Order as MSG24

The small roller bearings under 1st gear is available as AAU1815 and for 2nd or 3rd gear, available as AAU1816. These are not included because they do not often get checked or changed and are expensive at nearly £20.00 per piece. All supplied with competition lay shafts.



Kits breakdown as follows:
Above only = MSG20/22/24 (no diff parts)
Above + Left + a = MSG21 (with diff parts)
Above + Left + b = MSG23 (with diff parts)

Evolution Diffs



4. Evolution cross pin differential, Mini Spares have produced the same original and unique X-Pin diff since 1994. It was designed for powerful engines or events where the LSD type was not allowed, or the original differential could not cope and would prove inadequate. Tried and tested on RAC Rally and various hill climbing events ... Order as C-AJJ3385

5. Our own world famous Evolution limited slip diff, designed in 1993 with the latest technology is available as road, rally or race for the Mini and in race form for the Sprite and Midget.

- Mini Race Order as C-AJJ3387
- Mini Rally Order as C-AJJ3387A
- Mini Road Order as C-AJJ3387B
- Sprite Race Order as C-BTA1226
- Sprite Rally Order as C-BTA1226A





Diffs & Drive Couplings

Reproduction parts include the 'S' diff side plate, which are essential when using the Hardy Spicer type coupling or LSD output shaft. Mini Spares only produce the 'S' side plate with the extra 'ear' 22G420, so it can be used with No. 5/9 on rod and remote type gear boxes.

The studs that fit the output shaft flange are also remade.

1. Diff side plate for standard rod or remote gear box except automatics and Cooper 'S' where Hardy Spicer joints are fitted, fits item number 8. Order as CHM85
2. 'S' diff side plate - for original 'S' remote type and rod change gearbox when Hardy Spicer or limited slip differential are fitted, when using No. 5 or 9. Order as 22G420
3. Diff side cover flange gasket Order as 22A1611
4. Diff side cover oil seal.
 - a. All Minis except S and automatic. Order as ADU5738
 - b. Cooper 'S' only. Order as AHU1082
 - c. Automatic only, pre pot joint. Order as 22A1616
5. a. Hardy Spicer shaft coupling assembly. When using no. 9 or 'S' output shafts. Order as 27H7880
 b. universal joint As supplied in no. 5. Order as GUJ101
6. Output flange stud. Order individually as 22A1139
7. Special philidas nut for 22A1139. Order individually as GFK3431
8. Inboard CV joint (pot joint) type output shaft for LSD Order as C-BTA1263
9. a. Hardy Spicer coupling type output shaft for LSD (uses 22G420 side plates) Order as C-BTA1262
 b. Spacer washer for C-BTA1262. (2 required, not shown). Order as C-BTA1243
 c. Retaining clip for C-BTA1262. (2 required) Order as CCN122
10. Original rubber coupling including 'U' bolts & nuts Order individually as GCD101
11. Uprated needle roller type coupling. Plastic ends are resistant to oil which causes wear on the GCD101. Including 'U' bolts & nuts Order pair as QL5000
12. Pot joint (inboard CV) Order as GCV1102
13. a. Genuine gaiter kit for pot joint Order as GDG234
 b. Non genuine gaiter kit for pot joint Order as BHM7012
14. Driveshaft small yoke end gaiter pre pot joint. Order as 21A963



Crown Wheels



18. Standard Helical cut crown wheels and pinions.
 - a. 2.76 crown wheel and pinion Order as CWP2-76
 - b. 2.95 crown wheel and pinion Order as CWP2-9
 - c. 3.1 crown wheel and pinion Order as CWP3-1
 - d. 3.2 crown wheel and pinion Order as CWP3-2
 - e. 3.44 crown wheel and pinion Order as CWP3-4
 - f. 3.6 crown wheel and pinion Order as CWP3-6
19. Semi Helical Strong Competition Crown Wheel and Pinion Set (not for LSD)
 - a. 3.46 crown wheel and pinion with 52x15 teeth . Order as C-BTA1001
 - b. 3.76 crown wheel and pinion with 64x17 teeth . Order as C-BTA1002
 - c. 3.93 crown wheel and pinion with 55x14 teeth . Order as C-BTA1003
 - d. 4.07 crown wheel and pinion with 53x13 teeth Order as C-BTA1004
 - e. 4.31 crown wheel and pinion with 56x13 teeth . Order as C-BTA1005
 - f. 4.57 crown wheel and pinion with 63x14 teeth. Order as C-BTA1006
 - g. 4.67 crown wheel and pinion with 56x12 teeth. Order as C-BTA1007
20. Semi Helical Strong Competition Crown Wheel and Pinion Set (LSD only)
 - a. 3.46 crown wheel and pinion with 52x15 teeth. Order as C-BTA1250
 - b. 3.76 crown wheel and pinion with 64x17 teeth. This is the only true straight cut Order as C-BTA1248
 - c. 3.93 crown wheel and pinion with 55x14 teeth . Order as C-BTA1252
 - d. 4.07 crown wheel and pinion with 53x13 teeth . Order as C-BTA1246
 - e. 4.23 crown wheel and pinion with 55x13 teeth . Order as C-BTA1251
 - f. 4.31 crown wheel and pinion with 56x13 teeth . Order as C-BTA1249
 - g. 4.67 crown wheel and pinion with 56x12 teeth. Order as C-BTA1253

Dynos, Starters & Alternators

New units are without exchange unless stated.

21. 16/17ACR type new alternator with pulleys upgraded to 45amps to cover all those extra lamps and sound systems you may have fitted. Fitted up to 1980. Order as GXE2211
22. A127 type new alternator with pulleys upgraded to 70 amps to cover all the electrics already on your car plus any others you have fitted. Fits cars from 1980 to 1996 Order as GXE2297
23. Original alloy heavy duty alternator bracket. Only fits Pre A-plus engines. . Order as C-AHT32
24. Dynamo for those early cars.
 - a. Exchange rebuilt unit. Order as GXE3101
 - b. New unit. Order as GXE3101N
25. a. Starter, Inertia type, new. . Order as GXE4404
 b. Exchange rebuilt unit Order as GXE4404F
26. Pre Engaged starter 1985 on, new. Order as GXE4527
27. If you are looking for a lightweight starter with extra and more consistent cranking power, taking up to less than 50% of the running current by the original this is what most motorsport participants use.
 - a. For inertia type starter Order as GXE1000
 - b. For pre engaged type Order as GXE1001
28. Lightweight alternator for motorsport with fitting brackets and tensioner for cars up to 1996. Order as GXE1003



Starter Solenoids / Switches



15. Starter solenoid.
 - a. 3 terminal fits most Minis Order as 13H5952
 - b. 4 terminal fits 1983-85. Order as ADU5728
 - c. 3 terminal with integral starter push button Order as BMK1727
16. Integral solenoid for pre engaged starter Order as NAF10004
17. Floor start switch. Order as 17H5260



Distributors

- Standard distributors.
 - For pre A plus 998 Order as BAU1962
 - For A plus 1981-89 Order as ADU4049
 - For A plus 1989 on lead free. Order as ADU5789
- Distributors For 1275cc with electric module.
 - When HIF44 carb fitted. Order as AUU1536
 - When HIF38 carb fitted. Order as NJC10038
 - Module only Order as NJC10001
- Evolution Distributors. A plus only, convert to a performance distributor with an electric module doing away with contact breakers. Only requires a loom (3d) from distributor to coil.
 - Standard up 276 profile cams. Order as C-27H7701
 - Profiles 285/286/296. Order as C-27H7702
 - Full race profile 310/315. Order as C-27H7703
 - Loom - distributor to coil. Order as YMV10064
- Distributors for 1275cc SPI fuel injection only Order as NJC10034
- Aldon type for performance engines are converted from 45D non-vacuum type distributors with red points. The vacuum type are usually 45/59D with blue points. See table below.
- New 123 Electronic distributor. Features 16 ready programmed switchable advanced curves as standard. Full instructions included and must be read properly. Dwell is microprocessor controlled, depending on coil current. Works with any standard or High Energy coil with a minimum 1 ohm resistance. For all A series engines. See table below.



Vacuum Advanced Units

- Vacuum advance units.
 - For 25D distributor. Order as 37H3840
 - For 45D distributor pre1974. Order as 37H8225
 - For 45/59D distributor from 1974 Order as 37H8414
 - For 1275cc with HIF44 carb. Order as BAU5309
 - For 1275cc with HIF38 carb. Order as RTC3993



Ignition Covers

- Distributor cover for GDC102 Order as 8G726
For other shaped caps on our road or race cars we use the rubber household glove and cut the fingers off to suit and seal on leads.
- Rubber coil cover Order as 8G727
- a. One piece electric shield as fitted 1989 on. Will fit earlier models Order as BHM1675
b. Plastic shield only as above .. Order as NJT10004
- Distributor shield clip .. Order individually as 13H6461

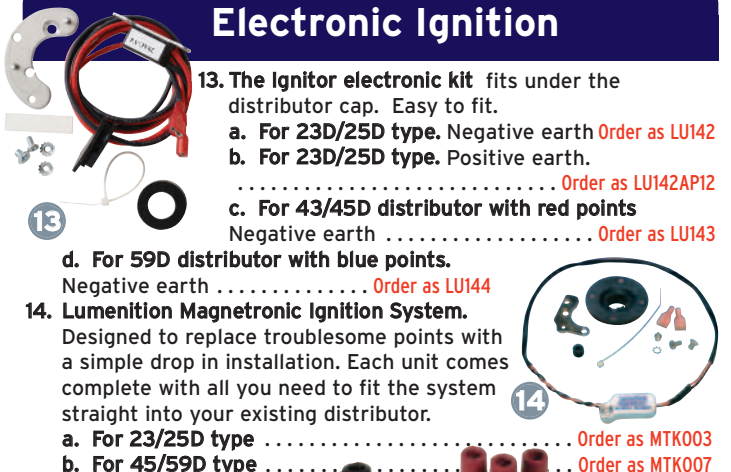


		5a. Aldon Performance No Vac Unit	5b. Road Cars With Vac Unit	6. 123 Electronic Ignition	
				No Vac Unit	With Vac Unit
Race Road/Rally	Pre A-plus	ALDONY	C-27H7766		C-27H7771
	A-plus	ALDONY+	C-27H7767		C-27H7773
Race	Pre A-plus	ALDONR		C-27H7770	
	A-plus	ALDONR+		C-27H7772	
25D	Road / Rally		C-27H7768		
	Original type		GEU930		

- Clip for 45d type distributors Order as GDC136CLIP

Electronic Ignition

- The Ignitor electronic kit fits under the distributor cap. Easy to fit.
 - For 23D/25D type. Negative earth Order as LU142
 - For 23D/25D type. Positive earth. Order as LU142AP12
 - For 43/45D distributor with red points Negative earth Order as LU143
 - For 59D distributor with blue points. Negative earth Order as LU144
- Lumenition Magnetronic Ignition System. Designed to replace troublesome points with a simple drop in installation. Each unit comes complete with all you need to fit the system straight into your existing distributor.
 - For 23/25D type Order as MTK003
 - For 45/59D type Order as MTK007



Ignition Service Items



	MK1 to 1967 25d side-entry screw-in	MK2/3 to 1974 25d top-entry push-in	Cooper "S" 25d side & top entry	1974 on 45d type with red points	1980 on 59D type with blue points	Turbo 82-84 (originally blue cap)	Electronic distributor 1.3 1990on	Ducellier red type cap distributor	45D side entry conversion
Cap number	a GDC102	b GDC103	a/b .. GDC102/GDC103	g GDC136	g GDC136	g GDC136	m GDC156	o GDC214	s GDC142
Contact set	c GCS2101	c GCS2101	d GCS3001	h .. GCS2118 (red)	i. . GCS2261 (blue)	N/A	N/A	p GCS119	N/A
Condenser	e GSC2111	e GSC2111	e GSC2111	j GSC2109	j GSC2109	N/A	N/A	q GSC2113	N/A
Standard Rotor	f GRA2101	f GRA2101	f GRA2101	k GRA2114	k GRA2114	l GRA2130	n GRA2143	r GRA2123	t GRA2128
Performance Rotor	f GRA101	f GRA101	f GRA101	l GRA2130	l GRA2130	l GRA2130	N/A	N/A	N/A



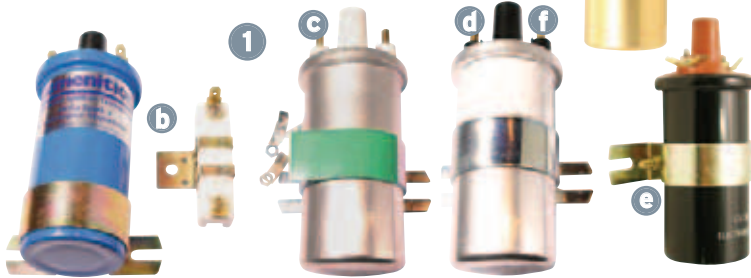


47 Ignition, Plugs, Leads & Switches

Ignition Coils

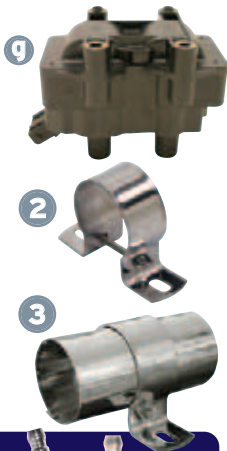
1. **a. High Energy Lucas Sports Coil** is only manufactured for non ballast cars up to 1984. Order as DLB105

NOTE: there is no genuine ballast type sports coil available from Lucas.



NOTE: Body colours may vary to those shown.

2. **b. High Energy Lumenition Sports Coil** for use with Lumenition Magnetric ignition modules. It has a separate ballast supplied WHICH MUST BE USED and is suitable for all Minis except injection. Order as DLB111
3. **c. Standard Coil** for up to 1984 non ballast cars Order as GCL216
4. **d. Coil for ballast ignition 998cc** 1984-1989 Order as GCL217
5. **e. Coil for 1275cc ballast type** Order as GCL143
6. **f. Unipart equivalent of GCL143** 1990 on - Standard in Japan..... Order as GCL211
7. **g. Twin Point Injection Coil.** Order as GCL204
8. **Stainless steel coil bracket** . Order as 8B12397
9. **Stainless steel coil cover and bracket.** Order as 8B12398



NGK Spark Plugs

4. **On NGK plugs the higher the number, the cooler running the plug.** On a good engine the plug will foul/ blacken up if running on too cool a plug. If the plugs foul/blacken up when fuel mixture is correct, the plug temperature is too cool. Copper core plugs give better ignitability and cold weather starting, which gives a more complete combustion, that in turn provides better engine performance.



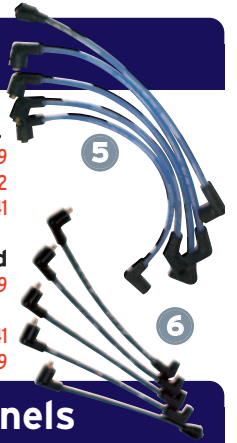
Engine	Copper Core Projected Nose	Copper Core Non Projected Nose When high compression	Gold Palladium Non Projected Electrode Nose Good ignitability on low voltage	Gold Palladium Non Projected Electrode Nose
850/998	BP5ES	N/A	N/A	N/A
998/1275	BP6ES	N/A	BP6EV	N/A
Tuned Road	BP7ES	B7ES	BP7EVX	B8EVX High Compression and Turbo
Highly tuned/Road Rally	BP8ES	B8ES	N/A	B9EV High Compression and Turbo
Race	BP9ES	B9ES	N/A	
Eight Port	10mm C8E Road 8 Port		10mm C9E Race 8 Port	

Recommended Spark Plug Use. Plugs denoted by V have gold palladium centre electrodes which give good ignitability and only require low voltage. Vehicles with electronic ignition require Resistor plugs denoted by an R in the part number. They offer protection to engine management systems, car radios and telephones. Check manufacturers notes for plug gap size. Catalyst cars usually require 2 thou more gap. These resistor plugs have copper core projected nose.

- a. Single point Injection cars plus 998/1275cc standard use.** Order as BPR6ES
- b. Tuned single point plus 998/1275cc tuned fast road.** Order as BPR7ES
- c. Twin point injection plus V groove and 998/1275cc.** Order as BPR6EVG

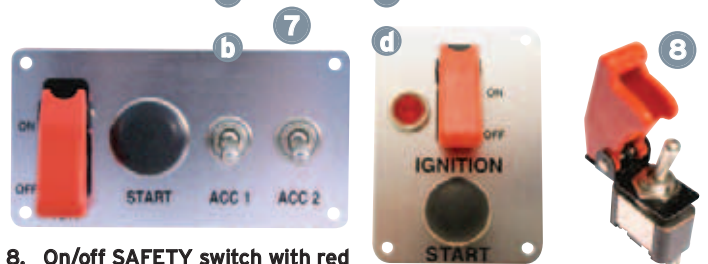
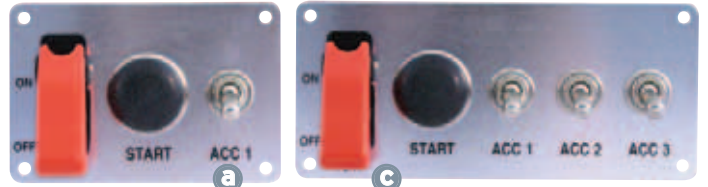
Silicon Lead Sets

5. **Lumenition silicon hi conductivity lead set.**
 - a. Blue 8mm, all cars except twin point car.** Order as BLS529
 - b. Red 7mm, except twin point** Order as HV22
 - c. Blue for twin points only** . . . Order as BLS541
6. **Genuine Rover / Unipart lead sets**
 - a. High performance 8mm thick silicon lead set** Order as C-27H7779
 - b. Double silicon 6mm lead set in black** Order as GHT241
 - c. Twin point ignition lead set.** Order as GHT289



Safety Switches and Panels

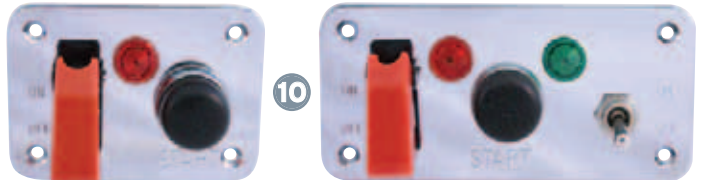
7. **On/off SAFETY ignition switch with starter button and switches.** Supplied with wiring.
 - a. with 1 accessory switch.** Order as MSA344-1
 - b. with 2 accessory switches.** Order as MSA344-2
 - c. with 3 accessory switches.** Order as MSA344-3
 - d. Only On/off ignition switch and starter button** .. Order as MSA343



8. **On/off SAFETY switch with red safety cover only** .Order as MSA345
9. **Switch with LED end.** Available in yellow, green, blue and red.

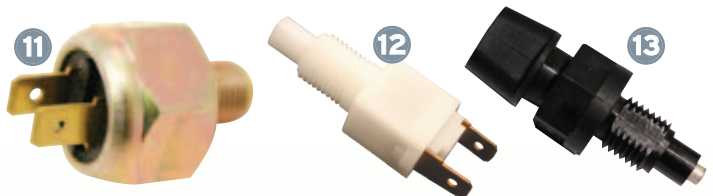


10. **a. On/off SAFETY ignition switch with starter button and warning light.** Wiring not included. Order as MSA336
- b. as above with extra accessory switch and green warning light.** Wiring not included. Order as MSA337

















Brake Safety Switches

11. **In line brake safety switch** Order as C16062A
12. **Brake switch under pedal** Order as 13H3735
13. **Brake failure switch in master cylinder.** Order as AAU1752A

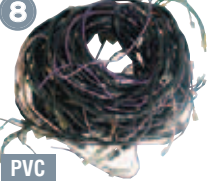





Switches

Flick type switches mk1/2 early mk3 blade connectors on rear	HEADLAMP SWITCH  5 blade 1H9077	WIPER  4 blade 2A9129	IGNITION  5 blade 13H337	BARRELL  Fits 13H337 . 24G1345
MK3 1969-76 Blade connectors on rear 41x26mm (except where stated)	HEADLIGHT  3 blade 13H6342	WIPER SWITCH  single speed 3 blade 13H6343	WIPER SWITCH  twin speed 4 blade 13H6444	HEATER FAN SWITCH  30x14mm 2 blade YUF101090
MK4 on 1976-2000 pin connectors now rounded on rocker part of switch 32x24mm (except where stated)	HEADLAMP SWITCH  3 pin ADU4778	HEADLAMP SWITCH  3 pin YUF101030	HAZARD SWITCH  6 pin YUF101660	FOG LAMP SWITCH  2 pin ADU4791
	HEATED REAR WINDOW SWITCH  2 pin YUF101680	BRAKE SYSTEM TEST SWITCH  2pin YUF101650	HEATER FAN SWITCH Pre 1996  30x14mm 2 blade YUF101090	HEATER TWIN SPEED SWITCH 1996 on  30x14mm 3 blade YUF101410

Wiring Looms & Cables

		
PVC	BRAIDED	
WIRING LOOMS	8 PVC	9 BRAIDED
MK1 Mini floor start with dynamo 850	5L322	5L191
MK1 Mini Deluxe and Cooper with dynamo	5L224	5L503
MK1 Mini and Cooper with alternator		5L670
MK1 Cooper S with dynamo		5L518
MK1 Cooper S with alternator		5L672
MK2 Mini and Cooper	5L594	
MK2 Cooper S with dynamo	5L832	5L691
MK2 Cooper S with alternator		5L692
MK3 Mini with alternator 1000cc 1972-5	HAM2174	
MK3 Cooper S with dynamo	5L954	
MK3 Mini to 76 with alternator	5L1331	
MK4 Centre speedo, 3 clock 78-9	AN124	
1275GT pre 76 with alternator	5L1334	
1275GT 76 on	HAM1200	
Loom checkmate Mini	YMC10654	
Mayfair Side repeaters 86 on	AN154	
Mini with servo pre engaged starter 86-88	HAM4385	
Mini with servo pre engaged starter 88-92	HAM4626	
Mini van 72-75	AN109C	

These are our popular stock items for early cars but we keep a larger range and many available to order

- 10. Wing Side Repeater Loom 1986 on. Order as AFU3358

- 1. The only courtesy light switch available as fitted to saloons from 1996 on Order as YUE100470
- 2. Steering/ignition lock as fitted from 1976 on Order as BHM7107

Battery Ancillaries

- 11. Battery box cover Order as 5L877
- 12. a. Battery bolt 6mm long pre 1990. Order as 5L1158
- b. Battery bolt 8.5mm long extra thread 1990on Order as YJH100010
- 13. a. Battery bolt 5.5mm long pre 1990. Order as 5L1159
- b. 7.5mm long extra thread 1990 on. Order as YJJ100040
- 14. Strap for battery cover Order as 14A7776
- 15. Battery bar Order as HAM2457

Relay Switches

- 3. Yellow multi fitment relay to fit single point fog/spot lamps and alarm, twin point head light, fog/spot lamps, indicators, fan, oxygen sensor, starter and alarm. Fit as required . Order as YWB10012
- 4. Green relay Order as YWB10032
- 5. Pink relay dim/ dip control Order as YWC10050
- 6. a. Engine relay, single point injections Order as YWB10022
- b. Engine relay, twin point injections Order as YWB100970
- 7. Relay, intermittant wiper for twin point Order as DMC001352EVA










Battery Leads

- 16. Battery cable lead.
 - a. 1985-90. 134"long Order as AAU1089
 - b. 1990 on. 127"long Order as YTA10037
- 17. Solenoid to inertia starter cable. Order as 5L925
- 18. Engine to earth strap Order as 5L1137
- 19. Battery earth strap Order as 5L888MS
- 20. a. Battery terminal positive Order as TERM-P
- b. Battery terminal negative Order as TERM-N


49 Circuit Breakers, Fuses, Stalks & Horns



Fuses

- Control box . . . Order as GEU6603
- 4 Fuse box square type 1976-96 (with cover, less fuses). Order as RTC440A
 - Fuse box cover square. Order as 518995A
- 2 Fuse box from 1959-76 (with cover less fuses) Order as 606253A
 - Fuse box cover Order as 505158A
- Glass inline fuses to 1996.  2amp GFS02
- Spade type fuses from 1996.  5amp GFS05
- 10amp  DJP8799
 - 20amp  DJP8801
 - 15amp  DJP8800
 - 30amp  DJP8802
- 15amp  GFS15
 - 25amp  GFS25
 - 35amp  GFS35

Circuit Breakers

- Fitment of a general circuit breaker which isolates the battery from all electrical equipment has become mandatory in nearly all forms of Motorsport. Switch has to be accessible from inside and outside the car. The external trigger should be located on the windscreen scuttle panel - preferably on the driver's side. It should be clearly marked by a red flash in a white edged blue triangle with a base of at least 12cm.
- Circuit breaker-battery line only . . . Order as MW003
 - FIA appendix requirement cut out with special diode protection device to allow switch off whilst the engine is running without damaging the electrical equipment (ie. alternator, electronic ignitions, etc.) Order as MW002
 - Sheet of safety stickers. Required for competition especially indicating circuit breaker. . . Order as PP8
 - Immobiliser and isolator kit for battery. Ideal for leaving car standing with battery fitted, preventing discharge and a very effective immobiliser. Order as MW004
- 


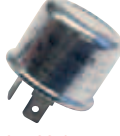


Indicator / Wiper Stalk Units

LEFT	RIGHT
1967 - 1976 MK2 1967-69 had bullet terminals now use 13H7779 with spade terminals and modify wires.	Indicator  Order as 13H779
1976 - 1984 UK Wipers	Indicator  Order as 21A2658
NOTE: In 1984 the UK became standardised with Europe. For 1985 - 89 use below	
1976 - 1989 EURO Indicator	Wipers  Order as 37H8286
1989 - 1996 ALL Indicator	Wipers  Order as BAU5346
1996 Twin point on Indicator	Wipers  Order as XPE100420PMP


Indicator Cowlings

-  10. Cowling for MK1 with green end indicator arm . . . Order as 8G6027
-  11. Cowling for MK2/3 without steering lock hole . . . Order as 8G6035
-  12. Cowling for MK4 1976 on with steering locks . . . Order as BHM7085

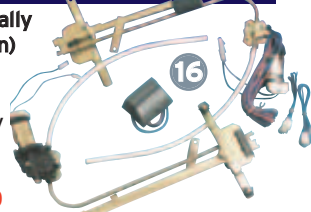
Indicator & Hazard Units

- | | | | |
|---|---|--|---|
| Indicator MK1 & 2

GFU2103 | Indicator MK3 1970 on

GFU2218 | Hazard up to injection

GFU2507 | Indicator & hazard injection cars

GFU2208 |
|---|---|--|---|

Horns

- A working car horn is not only a necessity it is also a legal requirement in England and most other countries. Many are interchangeable, high or low tones are available. Check how many terminals for multiple fitting.
- Single spade terminal with open trumpet.
 - High tone. Order as GGE101
 - Low tone. Order as GGE102
 - Twin spade terminal with open trumpet.
 - High tone Order as GGE164
 - Low tone. Order as GGE165
 - High & low tone pair with relay (better sound) . . . Order as LMA782
 - Air Horns with Red Trumpets. Order as FD2P
- 

Power Window Conversion

- Electric Window Kit. Designed specifically for the Mini (pre door crash bar 1997on) where windup windows are fitted. The kit can be fitted to later models but needs professional fitting and is a very tight fit. The complete kit for 2 doors has all the necessary parts and full instructions. Order as MSSK2000
- 

Central Locking Conversions

- Sadly lacking on the latest Mini, the kit can be fitted with the electric window kit to give an up to date feeling. The kit will not activate remotely with the alarm fitted by Rover as standard. Order as MSSK2001
 - This kit will enable the passenger door to be locked/unlocked when the key is turned in the driver's door and vice versa. The addition of the alarm interface kit (No.3 Page 50 attaches directly), will enable full remote control locking and unlocking of both doors. Suitable for all Minis with factory remote control alarm systems. Order as MSSK2004
- 





Wiper Delay

1. This wiper delay conversion kit will allow normal fast and slow wiper operation, but if you operate the 'flick-wipe' twice in succession it will 'learn' the delay between each flick and then allow intermittent wiper using this time delay.

The delay can be anything between 2 and 20 seconds. A rapid double flick will terminate the sequence. Also, operation of the screen wash will initiate a slow wipe for three wipes of the screen. Installation involves only three wires, can be installed in a few minutes. Order as MSSK2005



Dash Illumination

Dash illumination & lights-on chime.

2. This upgrade will enable you to illuminate your dash switches to save you fumbling in the dark. The kit also adds a lights-on chime to avoid leaving your lights on and draining the battery.

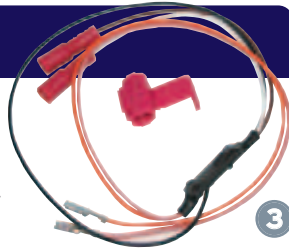
The kit will allow the brake test switch, the rear screen heater switch, the fog light switch, and the hazard warning switch to be illuminated when the main lights are on. It will also sound a reminder chime if the door is opened when the lights are on and the ignition is off. Order as MSSK2007



Alarm Interface

3. Remote Central Locking Upgrade for Factory R/C Alarm. By adding this alarm interface kit to the central locking kit (page 49 No 17/18) you can operate the central locking using your existing Rover alarm remote control.

(Fits MSSK2000 & MSSK2001, but designed to fit MSSK2004 without modification to the wires). The kits are suitable for all Minis equipped with factory remote control alarm systems. Order as MSSK2006



Keyless Entry & Alarm

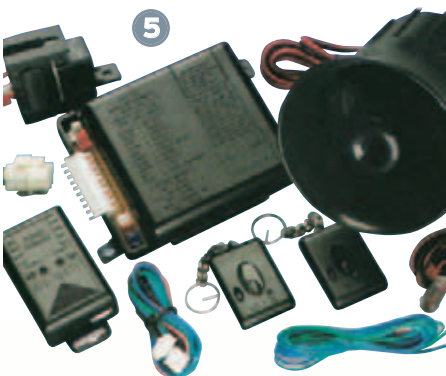
4. Keyless Entry Kit. For use with the central locking kit (page 49 No 17/18). Apart from the ease of locking and unlocking your car, the kit can be used with the ignition on as extra security. Not compatible with Rover alarms.

.... Order as MSSK2002



5. Remote Control Alarm or Keyless Entry System when used with MSSK2001 (Page 49 No.17). The kit has ten security features, which can be turned on/off by accessing the programme mode. All the usual alarm features including anti-car jacking.

.... Order as MSSK2003



Rear Lamps



Replacement rear lamps - complete with lenses, back plate, gasket and bulbs.

	Right Hand	Left Hand
6. a. Replacement rear lamps MK1	13H223	13H222
b. Replacement indicator lens MK1	47H5362	47H5355
c. Replacement brake lens MK1	47H5363	47H5358
d. Screws for lens per lamp (3)	47H5360	47H5360
7. a. Replacement rear lamps MK2/3	13H6479	13H6480
b. Replacement lens MK2/3 complete	37H4838	37H4837
8. a. Replacement rear lamps MK4 on	XFB101200	XFB101210
b. Replacement brake lens MK4 on	XFJ10026	XFJ10027
c. Replacement reverse lens MK4 on	XFJ10028	XFJ10029
9. a. Replacement white lamps MK4 on	XFB101200WHITE, XFB101210WHITE	
b. Replacement white lens MK4 on	XFJ10026WHITE, XFJ10027WHITE	

Rear Lamp Lenses



10. Pair of upper white lens, correct bulbs and gaskets to stop water damage. Order as MSSK034
11. White lens kits as shown with correct bulbs, either uppers only or a complete car set (Clear lens kit does not fit Altissimo lamps).
 - a. MK4 - 2xlens rear upper, lens kit with bulbs. Order as MSSK035
 - b. MK4 - 4xlens rear upper & lower kit with bulbs. Order as MSSK036
12. Rear lamp lens as fitted to many up market imported cars so commonly seen on our roads today. They give a chrome jewel look and are complete with seals, bulbs, fitting instructions and separate reflectors. Order as BL10L69

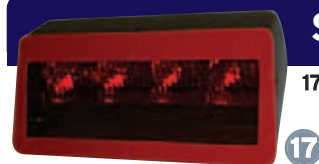
Reversing Lamps

13. Universal reverse lamp 140mm wide 75mm high. Order as MSA1116
14. Universal reverse lamp 83m wide 75mm high. . Order as RL015
15. Reverse lamp switch for pre rod change gearboxes. Order as GAE131
16. Reverse lamp switch for rod change models (72 on), fit into gearlever housing. Order as GAE191



Stop Lamp

17. Genuine Rover High level stop lamp. Order as XFN100160





51 Lighting & Lamps

Number Plate Lamps



- MK1 "D" type number plate lamp.
 - In chrome metal. Order as BHA4153
 - In plastic chrome. Order as BHA4154
- Black plastic number plate lamp. Order as 83H335
- Chrome metal bootlid number plate lamp. Order as 8B12501METAL
- Lens and bulbholder for No.6. Order individually as PRC1230A

White Indicator Kit

White indicator lens kit for cars from 1986-1996 which includes two orange bulbs and caps for side repeater lens bulbs.



- All parts available separately
- Clear front lens. Order as CDU3374W
 - Orange indicator bulb. Order as GLB334
 - Side repeater lens. Order as AHU2592W
 - Orange repeater bulb. Order as GLB501A
 - Complete kit - for cars from 1986-1996. Order as MSSK028
 - Complete kit - for cars with early front lens (20). Order as MSSK028E

Side Repeaters

- Side repeater as fitted to Mini Special (and export Austin 1100/1300 models). Order as AAU3296
- Bulb holder, without wiring for side repeaters. Order as DCP8004
- Side repeater lamp, standard fitment from 1986 on.

Red	Blue	Clear	Amber	Smoke
AHU2592R	AHU2592B	AHU2592W	PRC9916A	AHU2592S
 - Side repeater chrome rim. Chrome over brass for better shine. Order individually as 8B12394
- Wing Side Repeater Loom 1986 on. Order as AFU3358

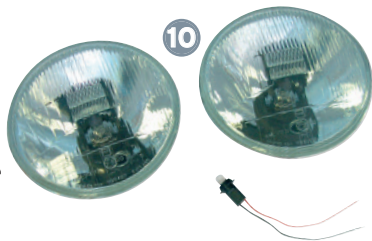
Headlight Kit

Lighten up and improve your vision. If you have not already converted to halogen type lamps you really need to purchase this kit which contains all the parts required except the headlamp backing bowl S5400.

The light units are the same as those fitted to later minis but have chrome backed dome for better reflective qualities.

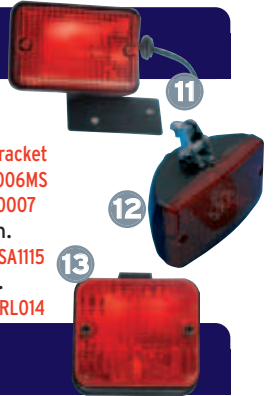
- R/H/D complete kit which has left hand dip. Order as S4698B
 - L/H/D complete kit which has right hand dip. Order as S4699B
 - Replacement headlamp unit for RHD. Order as S4700
 - Replacement headlamp unit for LHD. Order as S4701

See also S6072 Free form light unit (No 5 on Page 52)



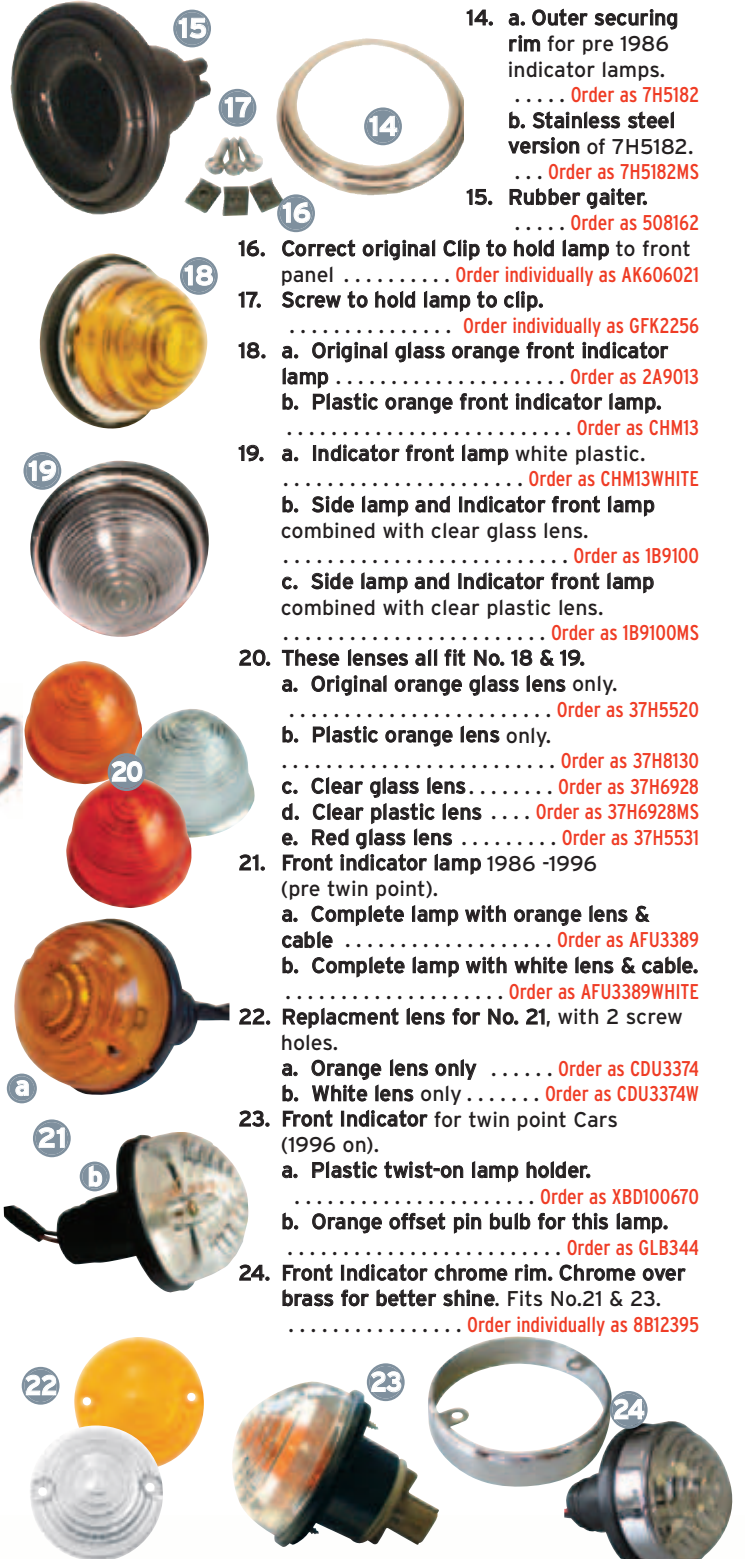
Rear Fog Lights

- Genuine Rover type fog lamp with bracket 115mm wide 75mm high.
 - Lamp Only ... With bracket
 - For R/H of car. XFE10006 ... XFE10006MS
 - For L/H of car. XFE10006 ... XFE10007
- Universal fog lamp 140mm wide 75mm high. Order as MSA1115
- Universal fog lamp 83mm wide 75mm high. Order as RL014



Front Indicators

- Outer securing rim for pre 1986 indicator lamps. Order as 7H5182
 - Stainless steel version of 7H5182. ... Order as 7H5182MS
- Rubber gaiter. Order as 508162
- Correct original Clip to hold lamp to front panel. Order individually as AK606021
- Screw to hold lamp to clip. Order individually as GFK2256
- Original glass orange front indicator lamp. Order as 2A9013
 - Plastic orange front indicator lamp. Order as CHM13
- Indicator front lamp white plastic. Order as CHM13WHITE
 - Side lamp and Indicator front lamp combined with clear glass lens. Order as 1B9100
 - Side lamp and Indicator front lamp combined with clear plastic lens. Order as 1B9100MS
- These lenses all fit No. 18 & 19.
 - Original orange glass lens only. Order as 37H5520
 - Plastic orange lens only. Order as 37H8130
 - Clear glass lens. Order as 37H6928
 - Clear plastic lens. Order as 37H6928MS
 - Red glass lens. Order as 37H5531
- Front indicator lamp 1986 -1996 (pre twin point).
 - Complete lamp with orange lens & cable. Order as AFU3389
 - Complete lamp with white lens & cable. Order as AFU3389WHITE
- Replacement lens for No. 21, with 2 screw holes.
 - Orange lens only. Order as CDU3374
 - White lens only. Order as CDU3374W
- Front Indicator for twin point Cars (1996 on).
 - Plastic twist-on lamp holder. Order as XB100670
 - Orange offset pin bulb for this lamp. Order as GLB344
- Front Indicator chrome rim. Chrome over brass for better shine. Fits No.21 & 23. Order individually as 8B12395





Headlamp Units

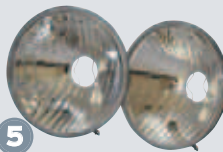
Many of the headlamps fitted to the Mini over 40 years of production are now obsolete. Only the following light units and sealed beams are readily available. It is advisable to try and update to modern halogen quadoptic when changing.

THE FOLLOWING ARE UK Right Hand drive with left hand dip.

1. a. Sealed beam unit only with pilot light facility . . . Order as 13H3471A
b. Sealed beam headlamp assembly with outer rim Order as BHM7198
2. Wiring loom with pilot light holder for sealed beam . Order as BAU2111
3. a. Quadoptic halogen bulb type lamp only from introduction in 1992 on. Order as XBC104430
b. Bulb holder sidelight for XBC103430/10 Order as S6005
4. Quadoptic halogen headlamp assembly, with self levelling motor less rim. from 1996 on Order as XBC103780
5. Brand new Free Form light unit with clear Polycarbonate lens but the backing bowl is specially designed to reflect the beam and give better penetrating light. Designed to take the original H4 halogen bulb and with side light fittings they are supplied less bulbs. Unlike all the other fancy new headlamps such as angel eyes these are E marked and road legal in the UK - R/H/D with left hand dip only. Order as S6072

THE FOLLOWING ARE EURO Left Hand drive with right hand dip.

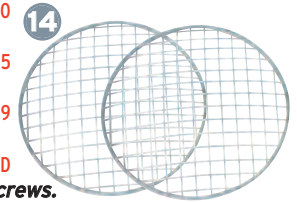
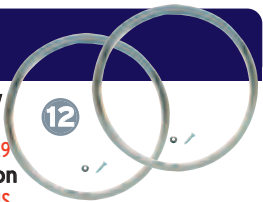
6. 700 series L/H/D EURO bulb type lamp only. Order as 27H5981A
7. Quadoptic halogen bulb type lamp only. Order as XBC103410
8. Quadoptic halogen headlamp assembly, with self levelling motor less rim. 1996 on. . . Order as XBC105230
9. Xenon blue upgrade bulb for H4 quadoptic Order as GLB472X
10. Plastic headlamp bowl with inner retaining ring, body to lamp seal and fitting kit make this an inexpensive rust free replacement for the old metal type Order as S5400
11. Metal headlamp bowl only. Order as MS14



Headlamp outer rims

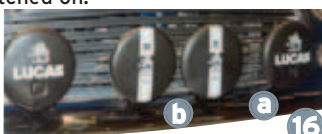
12. a. Genuine chrome outer rim with screw fits all except twin point injection cars 1997 on. Order as 500929
b. Mini Spares own stainless steel version to fit all cars. Order as 500929MS
c. Mini Spares own chrome over brass original type quality to fit all cars. Order as 17H5143
d. Genuine chrome outer rim for 1997 on twin points, which have different location screw hole. Order as DHF100060
e. Stainless steel replacement screw and fibre washer for rims . Order as RTC465
13. 60's style stainless steel headlamp peaks Order pair as 8B12399
14. Protect your lamps with stainless steel wire mesh guards . Order pair as STONEGUARD

Note: All rim are now supplied with fixing screws.



Lamp Covers

15. Genuine Rover tinted plastic spot/fog lamp covers with Cooper emblem. Order pair as XBVI00300
16. Auxiliary fog lamp covers. Protection for spot & fog lamps, to the original Lucas design incorporating the small clear window to show if lamp remains switched on. Order individually (per lamp).
a. Lucas Q 6" (152mm) MSL2010
7" (178mm) MSL2040
b. Lucas Lion 6" (152mm) . MSL2025
7" (178mm) MSL2030



Auxiliary Lighting



17. Original Rover driving lamp Order as XBN10008
18. Original Rover fog lamp. Order as XBJ100280
19. Original type Rover brackets when 2 lamps are fitted and for two central lamps on Twin point injection with 4 lamps Order as XBU10044
20. Reinforced bracket to stop outer lamps vibrating on twin point cars. Caused by front panel valance vibrating.
a. Twin Point outer lamp bracket - Right Hand . . Order as XBU100640
b. Twin Point outer lamp bracket - Left hand . . . Order as XBU100650
21. Chrome halogen lamps with plastic covers 135mm wide 60mm deep
a. Pair of Driving Lamps. . Order as S6007
b. Pair of Fog lamps Order as S6078



22. Pair of black halogen large driving lamps 170mm wide 58mm deep. Order as LA1009

Halogen auxiliary driving lamp kits		26. Stainless Steel Bracket XBU10046	27. Black Bracket XBU10045
21. Chrome with covers 135mm wide. S6007	2 Lamps	MONTE1	MONTE1BLACK
	4 Lamps	MONTE3	MONTE3BLACK
22. Large Black 170mm wide . . . LA1009	2 Lamps	MONTE2	MONTE2BLACK
	4 Lamps	MONTE4	MONTE4BLACK

23. Pair of black halogen lamps 160mm wide 63mm deep. Can be used as a budget replacements for items 17&18.
a. Driving lamps Order as RL020
b. Fog lamps. Order as RL021



SAFETY FEATURE

24. When fitting spot or fog lamps we recommend you use a wiring and relay kit for safety available as a kit with instructions Order as RLFK200

25. Heavy duty lamp bar as fitted to the Abingdon Special Tuning cars. Bar and 3 support brackets keep the lamps stable under any condition. We recommend you use a single lamp bracket for each lamp or this ST works type bar which mounts to the valance and front panel. This reduces the vibration, which would make the extra lights ineffective. (as present in other bars offered that straddle the original two single brackets).
a. Stainless steel copy of original ST Works bar . . Order as C-AJJ3329
b. Lightweight version, black powder coated finish . . Order as MSA1101



26. Stainless steel bracket for fitting auxiliary lamps Order as XBU10046
27. Black painted bracket for fitting auxiliary lamps Order as XBU10045



53 Wipers, Motors and Washer Bottles

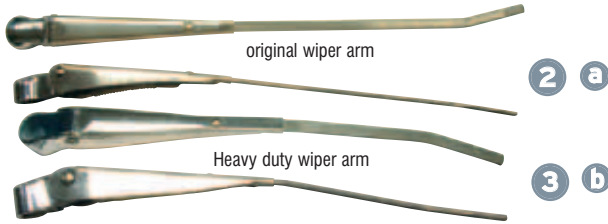


Wiper Ancillaries



Note: All wipers & arms are sold individually unless stated.

- Stainless steel bayonet fitting 10" wiper blades** brighten up the car giving the original 60's-70's look. Will not fit hook type fitted from 1990 on unless arms and blades are changed. **Order as GWB219**
 - Heavy duty 11" upgrade of above.** Only accepts new heavy duty arms (no.2b & 3b) **Order as GWB220**
- Stainless steel bayonet type wiper arm** that park on the right hand side, as per all MK1/2 Mini's to 1970. This also fits left hand drive MK3 Mini's 1970 on **Order as 13H5626**
 - Heavy duty upgrade of above.** Only fits GWB220. **Order as 13H5627**



- Stainless steel bayonet type wiper arms** that park on the left hand side as per all MK3 Mini's from 1970 on. This also fits left hand drive MK1/2 Mini's to 1970 **Order as 13H5629**
 - Heavy duty upgrade of above.** Only fits GWB220 **Order as 13H5630**

WIPERS THAT REALLY WIPE!

Most stainless steel wipers available are not adequate at wiping the screen properly because they flex and lift when the car is in motion. To combat this problem Keith Dodd has developed an 11" blade heavy duty kit with the arms 2mm wider and 1mm thicker, with a correct strength spring to keep the blades against the screen.

Order the HEAVY DUTY UPGRADE for these parts (1b & 2b/3b)

Note: The wiper motor/cable and wheel boxes must be in good condition.



- Eight sided chrome nut** that fits the wiper wheel box that the wiper arm slides on to. This is for the 32 tooth wheel box fitted from 1970. **Order as 37H7738**
- Six sided chrome nut**, fits wiper wheel box that the wiper arm slides on to. This is for the 22 tooth wheel box as fitted to MK1/2 Minis **Order as 37H6316**



- Chrome plated wheel box plinths** to replace those dowdy black ones. Comes with a sealing washer to compliment the wiper arms and blades. Two types are available, complete with nuts. Sold in pairs.

- Plinth and the six sided nut** as fitted to MK1/2 Minis **Order pair as 37H6042C**
- Plinth and the eight sided nut** as fitted to MK3 Minis from 1970 on. **Order pair as 37H7201C**

- Mechanical push button windscreen washer pump** as used on Minis and MG/Sprites. **Order as GWW102**

- Chrome twin washer jet** with nut fixings **Order as GWW801**
- Chrome single jet** with nut fixing **Order as GWW810**
- Black plastic twin jet** with nut fixing for MK1/2 **Order as MS389**
- Black plastic single jet** For 'D' shaped locating hole, push fit 1980 on. (can be used on 1970-80 Mini but hole might need modifying. **Order as GWW1080**
- Stainless steel wiper arm hole plug.** Thief proof, correct dome shape. **Order individually as 8B12396**



Mini Spares Brightwork Kits

- Brightwork kits** include wiper arms, blades, escutcheons, nuts, twin jets and wiper hole plugs.

- 10" blade kit for MK3 R/H/D** and left hand park - includes 1a,3a,6b,8 and 12 car set **Order as MSSK029**

- Heavy duty 11" blade kit for MK3 R/H/D / left hand park** - car set of 1b, 3b, 6b, 8 and 12. **Order as MSSK031**

- 10" blade kit for MK3 L/H/D** and right hand park - car set of 1a, 2a, 6b,8 and 12 **Order as MSSK030**

- Heavy duty 11" blade kit for MK3 L/H/D right hand park** - car set of 1b, 2b, 6b, 8 and 12 **Order as MSSK032**

- Pair of uprated arms and blades only.**
 - Wipers parking on Left Hand kit-RHD MK3 or LHD for MK1/2.** **Order as MSSK033LEFT**

- Wipers parking on Right Hand - LHD MK3 or RHD for MK1/2.** **Order as MSSK033RIGHT**



Wiper Motors & Gear

- Windscreen wiper motor MK2** on including all twin speed and intermittent wiper configurations (includes parking switch no.17). **Order as GXE7708**

Switches and Looms

- The plastic wiper motor parking switch** **Order as 520160A**

- Replacement socket and loom** to fit 520160A **Order as 520161**

- Ferrule between motor and cable tube** **Order as 37H3694**

Rack Cables & Wheel Boxes

- Windscreen wiper rack cable** for all Minis (MK1 was originally shorter). **Order as RTC202A**

- Outer casing for wiper cable.**
 - Fits Mk1/2 Minis** **Order as AAU1909A**
 - Fits Mk3 Minis** **Order as AAU1908**

- Wiper wheel box MK2** on including all Clubmans, with 32 teeth, with spacers and metric 8 sided nut. **Order individually as 37H7200**

- Wiper wheel box for MK1/2 Minis** they used this longer shaped 22 tooth box requires 6 sided nut not supplied. **Order as 37H6100**

- Stainless steel wiper motor strap and rubber.** (fits no. 14) **Order as 37H4836**



MK1/2 Washer Bottles/Pumps

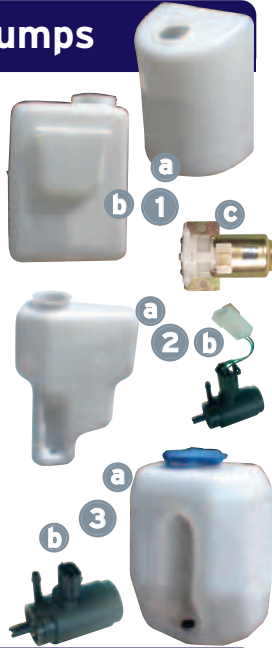
- MK1/2 bottle** including original size cap. **Order as 17H2536**
- MK1/2 & MG range bottle** with 2" neck, Tudor logo, with cap **Order as GWW918**
- Original type main bracket** for bottle. **Order as 37H9712ORIGINAL**
- Wire clips** for Mk1 bottle (2 required). **Order individually as 37H9672**
- Cycle clip type clamp** for MK2 (1 required) **Order as 24A1387**
- Stainless steel full bracket** for Mk1/2 bottle **Order as 37H9712**
- Mechanical push button windscreen washer pump** as used on Minis and MG/Sprites. Upto introduction of electric type **Order as GWW102**





Washer Bottles and Pumps

- 1 Litre Capacity MK3 (alternative to GWW907) Order as GWW906
 - 1.7 Litre Capacity will fit earlier cars if enough space Order as GWW907
 - Windscreen remote electric washer pump to 1980 Order as GWW125
- Washer bottle that has integral electric pump as fitted under bonnet, 1989-92 pre injection cars (Uses pump GWW1192) Order as GWW940
 - Windscreen electric washer pump fits GWW935 except twin point injection Order as GWW1192
- Washer bottle takes integral electric pump. Fitted under bonnet 1981-88 and in the boot on injection cars 1991 onwards (uses pump GWW1192 for pre twin point & GWW1116 for twin point injections on) Order as GWW935
 - Windscreen electric washer pump (fits bottle GWW935 twin point injections 1997 on) Order as GWW1116



MK1/2 Classic Door Parts

- Door pocket alloy kick plate.
 - R/H Order as 14A7176
 - L/H Order as 14A7177
- Door check straps.
 - Red. Order individually as 14E4289
 - Grey. Order individually as 14E4290
 - Black. Order individually as ALE1221
 - Green. Order individually as 14E4291
- Check strap bracket on body, two per car. Order individually as 14A6745
- Strap retainer, recessed screw holes, four per car. Order individually as 14A764
- Door pocket stiffener plate, two per car. Order individually as 14A6744
- Check strap screws, 8 per car less nuts. Order individually as SG604073
- Nylon dove tail guide for door. Order individually as 14A6833
 - Stainless steel plate to protect dovetail screws Order as 14A6834
- Retainer guide plate for dovetail on doorframe. Order individually as 14A6835
- Interior door handle. Spoon handle. Order as GLZ119A



- 10
 - 11
 - 13
 - 14
 - 15
 - 16
 - 17
 - 18
 - 19
- All door / boot handles have locking barrel & keys.
NOTE: No plain handles are available
- Original T-type boot or van rear door handle sometimes requires square shank to be shortened for correct fitment Order as 14A7194
 - Pre 1966 door handle Order individually as 24A1140
 - Pre 66 Kit 2 door 1 boot handle Order as 24A1140KIT
 - Post 1966 door handle Order individually as 24A2083
 - Post 66 Kit 2 door 1 boot handle Order as 24A2083KIT
 - Safety boss MK2 handle Order as 24A1834
 - Seal for safety boss. Order as 24A1835
 - Door handle seal. These very important seals should be renewed at regular intervals to prevent water getting into panelwork ultimately causing rust Order individually as ADA3817
 - For boot handle seal Order individually as CZHT747

Sliding Window Catches

- 19
 - 20
 - 21
 - 22
 - 23
 - 24
19. a. Front plastic window catch R/H Order as 24A1194
 b. Front plastic window catch L/H Order as 24A1195
 20. a. Rear plastic window catch R/H Order as 24A1196
 b. Rear plastic window catch L/H. Order as 24A1197
 21. Sealing gasket for window catch. Order individually as 24A1198
 22. Chrome boss to window catch Order individually as 14A8151
 23. Fibre washer for chrome boss. Order individually as 14A7065B
 24. Chrome headed screw for boss Order individually as RMP307
 Complete car set. 4 catches and ancillaries. Order as MSSK015

MK1/2 Classic Door Parts

25. Original type MK1/2 internal door pull cable for sliding window type doors Order individually as 14A6889
26. MK1/2 door pocket moulding. Both Sides Order individually as 24A1169
27. The current correctly moulded rubber upper window channel. Order as 14A7167
28. The vertical seal correct shape and cut out for the rear sliding window.
 For R/H Order as EAM8530
 For L/H Order as EAM8531
29. Lower solid cloth/rubber channel with drain and screw holes as originally fitted. Order as 24A88
30. Chrome window catch runner that locates lower sliding channel.
 - For R/H Order as 24A1303
 - For L/H Order as 24A1304
31. Screws for above Order individually as GHF400

Money Saving Kits

32. a. Complete channel kit comprising items 27, 28, 29, 30 & 31.
 For R/H Order as MSSK022
 For L/H Order as MSSK023
 b. As above excluding chrome window catch runner Item 30.
 For R/H Order as MSSK020
 For L/H Order as MSSK021

Stays & Hinges - MK1/2

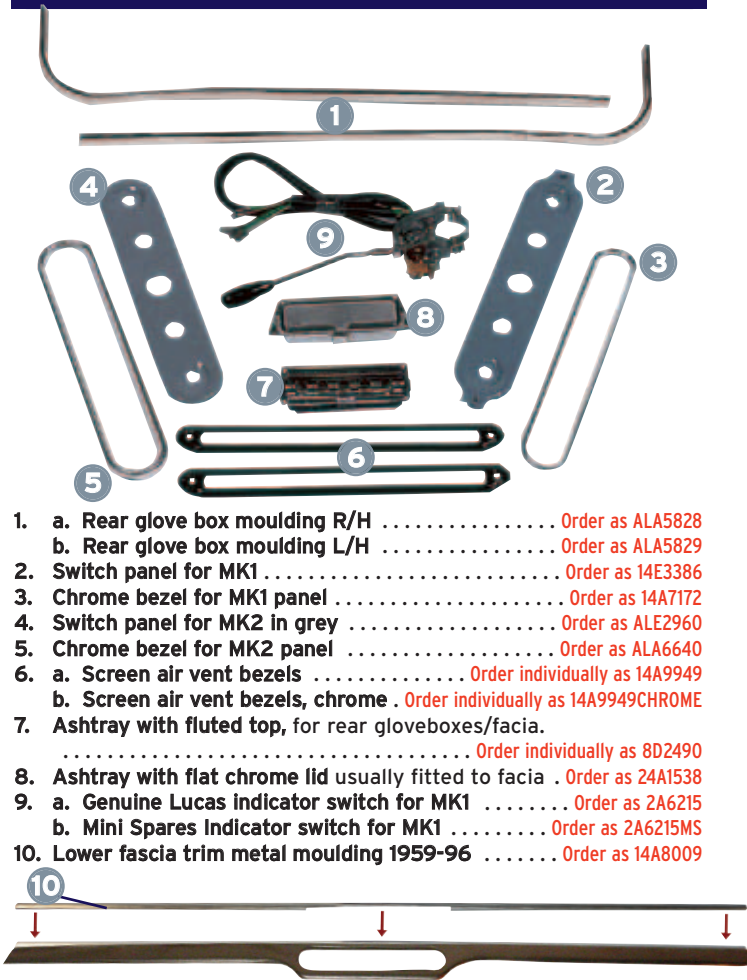
33. Original 1960's accessory metal door stay kit Order car set as BG5401
34. Door hinges, bare (zinc alloy with stainless steel fittings) for all Minis with external door hinges.
 - Set of four hinges Order as 14A6818K
 - Upper R/H hinge Order as 14A6818
 - Upper L/H hinge Order as 14A6819
 - Lower R/H hinge Order as 14A6820
 - Lower L/H hinge Order as 14A6821
 - Small gasket for hinges to 'A' Panel. Order individually as BMP135
 - Large gasket for hinges to Door. Order individually as ALA7844
 35. Replacement door hinge pin Order individually as 37H3044
 36. Replacement door hinge bush. Order individually as 37H3043
 37. Single hinge repair kit (one 34 & one 35 together). Order as MS15
 38. Tool for fitting & removing the bush from the external hinges Order as T00L15
 39. Old hinge pin removing punch Order as T00L16





55 MK3 Door Fittings & Interior Fittings

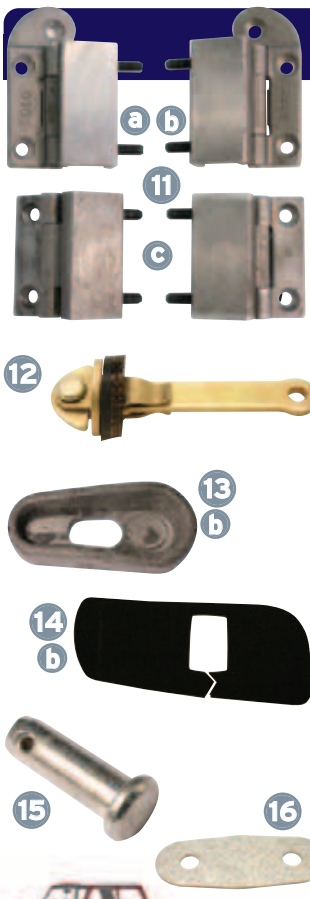
Classic Interior Trim Fittings



1. a. Rear glove box moulding R/H Order as ALA5828
b. Rear glove box moulding L/H Order as ALA5829
2. Switch panel for MK1 Order as 14E3386
3. Chrome bezel for MK1 panel Order as 14A7172
4. Switch panel for MK2 in grey Order as ALE2960
5. Chrome bezel for MK2 panel Order as ALA6640
6. a. Screen air vent bezels Order individually as 14A9949
b. Screen air vent bezels, chrome . Order individually as 14A9949CHROME
7. Ashtray with fluted top, for rear gloveboxes/facia.
..... Order individually as 8D2490
8. Ashtray with flat chrome lid usually fitted to facia . Order as 24A1538
9. a. Genuine Lucas indicator switch for MK1 Order as 2A6215
b. Mini Spares Indicator switch for MK1 Order as 2A6215MS
10. Lower fascia trim metal moulding 1959-96 Order as 14A8009

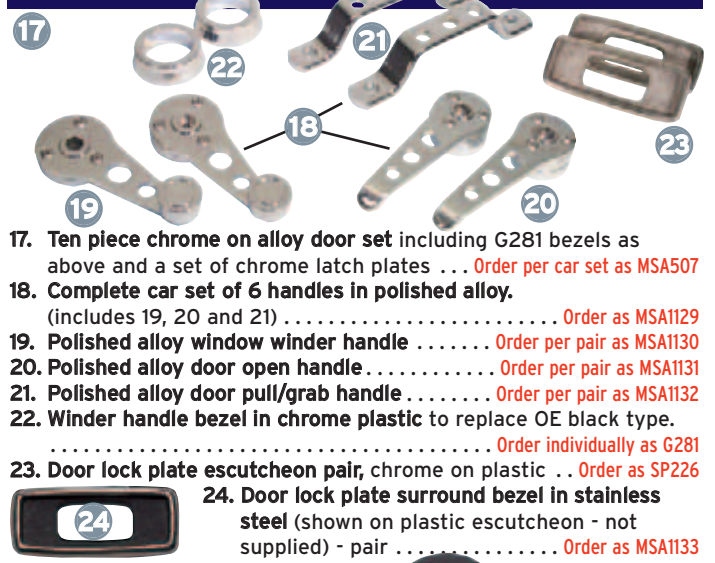
MK3 Door Fittings

MK3 Interior Door Hinges
Wind up window doors 1970 on.



11. a. Top right hand hinge.
Genuine .. Order individually as CZH202
Non genuine.
..... Order individually as CZH202MS
- b. Top left hand hinge.
Genuine Order as individually as CZH203
Non genuine.
..... Order individually as CZH203MS
- c. Bottom door hinge either side.
Genuine... Order individually as CZH212
Non genuine.
..... Order individually as CZH212MS
- e. Complete car, door 4 Hinge kit,
(Money saver).
Genuine..... Order as MSSK017
Non genuine..... Order as MSSK017B
12. Door stay for MK3 saloons 1970
on Order individually as ADA5671
13. Door stay grommet.
a Right Hand. Order as CZH4052
b Left hand Order as CZH4053
14. Door stay seal 1986 on.
a. R/H.. Order individually as CGE10038
b. L/H.. Order individually as CGE10039
15. Clevis pin for door stay.
..... Order individually as CLZ412
16. For door hinges you might need
these shims to align your doors
correctly or use as a template.
..... Order individually as ALA6381

MK3 Door Handles



17. Ten piece chrome on alloy door set including G281 bezels as above and a set of chrome latch plates ... Order per car set as MSA507
18. Complete car set of 6 handles in polished alloy.
(includes 19, 20 and 21) Order as MSA1129
19. Polished alloy window winder handle Order per pair as MSA1130
20. Polished alloy door open handle Order per pair as MSA1131
21. Polished alloy door pull/grab handle Order per pair as MSA1132
22. Winder handle bezel in chrome plastic to replace OE black type.
..... Order individually as G281
23. Door lock plate escutcheon pair, chrome on plastic .. Order as SP226
24. Door lock plate surround bezel in stainless steel (shown on plastic escutcheon - not supplied) - pair Order as MSA1133



25. a. Original Mini plastic winder handle . Order individually as CZA7109
b. Flanged screw for winder handle Order as ZKC3317
26. Spring loaded knob - alternative winder handle fitted as a safety spec from 1982 on approx. Fits all Minis.
..... Order individually as YXX3199PA
27. Special size screw for fitting above . Order individually as ADU8081
28. Finishing plug - grey only.
... Order individually as YXX3200LNF
29. Mini interior plastic door opening handle as fitted to models up to 1997.
..... Order individually as JPC8387PA



30. Door scoops - to stop those unsightly scratches made by finger nails, rings etc. These are made only for wind up window type doors and fit in the dish behind the door handle. Simply loosen off the exterior door handle and slide them in place. Sold in pairs. Stainless steel scoops Order as 8B12500
31. Chrome plated metal window winder handle. Order individually as G282
32. a. Chrome plated metal door opening handle. Can be fitted as it is or pull the old chrome escutcheon off your original plastic handle and push on back of chrome type, to cover the door liner hole..... Order individually as G283
b. Long screw with small head needed on late cars ... Order as CMZ312
33. Outer chrome door handles from 1970 on are available separately or as a 3 piece kit, including the boot handle. They have matched barrels and key numbers.
a. Complete 3 piece kit..... Order as CZH1785
b. R/H door handle and key Order as CZH886
c. L/H door handle and key..... Order as CZH887
d. Fixing screw needed for later models..... Order as CZH887
34. Rear boot handle, from 1970, with barrel and key .. Order as JRC2844
35. a. Lock barrels. When any of your barrels wear or have different numbers, why not replace both door and boot barrels with a matching set of 3 Order as BARREL SET
b. Replacement retaining clip for barrels Order as PFR109

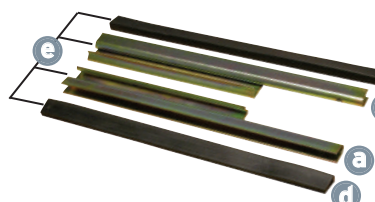




Window and Door Mouldings



- Upper window moulding as per original Cooper and 'S' MK1/2 in stainless steel for sliding windows only, without fixings.
R/H..... Order as 14A9773 L/H..... Order as 14A9774
 - Upper window moulding manufactured to fit MK3 wind up window doors only in same original shape - supplied with 13H743 fixing rivets.
R/H .. Order as MS67 L/H . Order as MS68 Set with clips. Order as MS66
- Lower window outer moulding as per original for Cooper and 'S' MK1/2 in stainless steel for sliding window only.
R/H..... Order as 24A341 L/H..... Order as 24A342
Special clip for above Order as 13H525
- Interior moulding and seal for all wind up window models. Fits either side. (clips EYC10048, 5 required) Order individually as EJU10003
 - Pair of EJU10003 with clips Order as MSSK2102
- Outer door moulding and seal for wind up windows 1970 on as original on Cooper 'S' and MK3 upto the introduction of black protective end caps. (Clips are ADH3809 4-5 required).
R/H. Order CZH1666 L/H Order CZH1667 Set with Clips Order MSSK2100
- Same as No. 4 but with protective black ends from 1981 on, outer window moulding with seal. (clips ADH3809. 4-5 needed).
R/H. Order PAM1014 L/H. Order PAM1015 Set with Clips Order MSSK2103
- Complete car sets of door mouldings with clips.
 - Pair of CZH1666/7, a pair of EJU10003 & clips. . Order as MSSK2101
 - Pair of PAM1014/5, a pair of EJU10003 & clips . Order as MSSK2104
- The wind up door window sits on two support rails.
 - Right hand front and left hand rear..... Order as ALA5746
 - Left hand front and right hand rear Order as ALA5747
 - One door set of rails..... Order as ALA5745
 - Packing rubber to support glass in rail Order as 24A948
 - One door set of window rails and rubbers..... Order as MSSK2105



Window Channels MK3

- Upper door channel seal for wind up windows only.
 - Genuine Right Hand Order as PAM3076
 - Genuine Left Hand Order as PAM3077
 - Budget Right Hand ... Order as PAM3076MS
 - Budget Left Hand Order as PAM3077MS



Door Sill Plates

- Stainless steel polka dot pattern kick plates which fit to inner sill and protect door seal getting damaged. These were originally fitted to MK1 models but will replace later plastic type as fitted to date. These will compliment the doorstep sills as below..... Order as 14A7270
- Set of stainless steel plain sill guards. Order as 14A7271

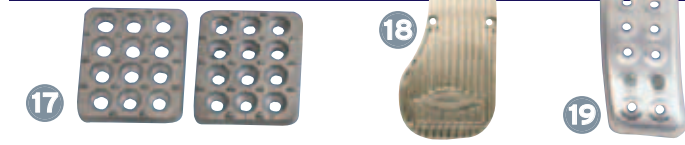


- Stainless steel guards with etched Mini Cooper text and chequered pattern. Order as 14A7272
- Stainless steel guards with etched Mini text and chequered pattern Order as 14A7273



Pedals & Pads

- Race/Rally alloy pads for clutch and brake, sold as a pair. Order as A200017
- Mini accelerator metal pedal for vehicles pre 1976.. Order as A200015
- Latest 1997 specification Rover look-a-like bolt on accelerator pedal for vehicles 1976 to 1996. Order as A200016
- Latest clutch/brake heavy duty easy fit, better anti slip rubber pedal pad, introduced in 1990 can be used for vehicles 1976 on . Order individually as SZU10001
- Original clutch/brake pedal pad, as fitted from 1976 up to the introduction of SZU10001 pad. An inexpensive alternative. Order individually as GPR107



- Hexagonal pedal rubbers - ribbed in Mini/Union flag style.
 - Black Order as GPR107BLACK
 - Blue Order as GPR107BLUE
 - Yellow Order as GPR107YELLOW
 - Red Order as GPR107RED

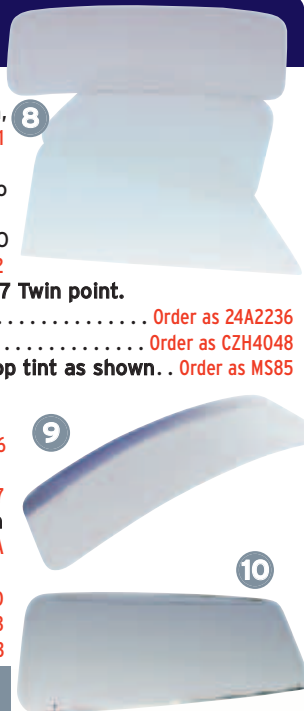


- Clutch/brake pedal pad as fitted up to 1976, also used as accelerator pad for vehicles 1976 on - Sold individually.
 - Black Order as GPR104
 - Blue Order as GPR104BLUE
 - Yellow Order as GPR104YELLOW
 - Red Order as GPR104RED
- Accelerator rubber pedal pad for vehicles pre 1976. Order as GPR105



Windows

- To RAC specifications, 4mm Acrylic perspex kit, less windscreen, for 1970 on MK3 .. Order as C-WIN0001
 - Polycarb is stronger and more resilient (virtually indestructible). To RAC specifications 4mm Polycarb window kit, less windscreen for 1970 on MK3. Order as C-WIN0002
- Laminated Windscreens for pre 1997 Twin point.
 - Clear glass Order as 24A2236
 - Sundym light green tint..... Order as CZH4048
 - Sundym light green tint heavy top tint as shown. . Order as MS85
- Electrically heated front screen as used on Monte Carlo rally cars and all competition cars. Order as MS86
 - Tinted top tint laminated heated front screen as above . Order as MS87
 - Modern heated front screen with hidden elements Order as MS86A
- Heated rear screen.
 - Mk1 only ... Order as 14A7056HEATED
 - Mk2/3 on Order as 13H7323
 - Sundym Mk2/3 on Order as CZH4013



NOTE: Glass is for customer collection only





57 Mirrors & Number Plate Fixings



1. 6" wide polished metal/chrome interior mirror for all pre 1997 Minis (not Twin Point Injection) Order as MSA1147
2. Only mirror available from Rover. Stick on type, except MPI 1996 on Order as CTB100060

White Cooper Mirrors

3. Plastic Mirrors with Old English White back.
 - a. R/H Order as CRB10184MS
 - b. L/H Order as CRB10185MS
 - c. Car set Order as GS25320



Plastic Door Mirrors

4. Black plastic door mirrors as fitted from 1980 on.
 - a. R/H Order as JPC9848MS
 - b. L/H Order as JPC9849MS
 - c. Car set Order as GS25319
5. Mirror base screw covers.
 - a. R/H Order as EAM4158
 - b. L/H Order as EAM4159



Domed Mirrors

6. Stainless steel domed mirrors.
 - a. R/H Order as GAM112
 - b. L/H Order as GAM113
 - c. Car set Order as GS25317



Classic Torpedo Shaped Mirrors

7. Chrome classic shape torpedo mirror for wing fitment only.
 - a. With flat glass Order as GAM105
 - b. With convex glass Order as GAM105C
8. Alloy classic shape torpedo mirror for wing fitment only.
 - a. With flat glass Order as GAM106
 - b. With convex glass Order as GAM106C
9. Chrome classic shape torpedo mirror originally redesigned by Keith Dodd for "door" fitment only to give full adjustment and vision not achieved by using GAM105/6. These mirrors are 'handed'.
These mirrors are supplied with only a universal fitting kit (M99985) to fit any car without any original mounting holes, i.e. MK1 & MK2 Mini.
 - a. R/H door with flat glass Order as GAM107
 - b. R/H door with convex glass Order as GAM107C
 - c. L/H door with flat glass Order as GAM108
 - d. L/H door with convex glass Order as GAM108C



10. This chrome plinth and escutcheon was fitted on production cars from 1970-80 with the GAM215A (no. 10) chrome mirrors fitted as standard, it also accepts the torpedo mirror.



It is also used as a universal fitting kit and the hole centres for the plinth are 55mm wide. Order kit as CZH3521

11. For cars between 1980-2000 which had plastic mirrors a fitting kit is available to use existing bolt holes which enables fitment of mirrors No. 7 and 11.
 - a. Fitting kit for R/H door Order as M90999
 - b. Fitting kit for L/H door Order as M90997



Door Mirrors

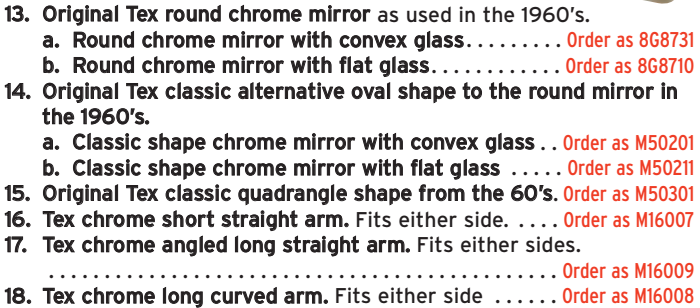
12. Polished stainless steel door mirror complete with plastic fittings, as fitted upto 1980.
 - a. R/H mirror with flat glass Order as GAM215A
 - b. L/H mirror with flat glass Order as GAM216A
 - c. R/H mirror with convex glass. Order as GAM217A
 - d. L/H mirror with convex glass. Order as GAM218A
 - e. R/H mirror with flat glass, black metal body Order as M68990E
 - f. L/H mirror with flat glass, black metal body. Order as M68991E



To fit these mirrors to cars 1980 onwards which had plastic mirrors, use fitting kit M90997/9 (no. 11).

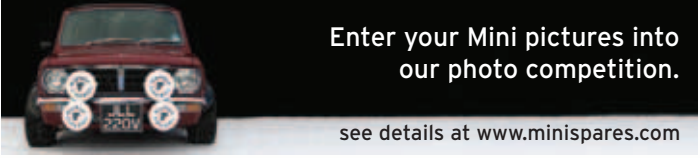
Tex Wing Mirrors

13. Original Tex round chrome mirror as used in the 1960's.
 - a. Round chrome mirror with convex glass Order as 8G8731
 - b. Round chrome mirror with flat glass Order as 8G8710
14. Original Tex classic alternative oval shape to the round mirror in the 1960's.
 - a. Classic shape chrome mirror with convex glass Order as M50201
 - b. Classic shape chrome mirror with flat glass Order as M50211
15. Original Tex classic quadrangle shape from the 60's. Order as M50301
16. Tex chrome short straight arm. Fits either side. Order as M16007
17. Tex chrome angled long straight arm. Fits either sides. Order as M16009
18. Tex chrome long curved arm. Fits either side Order as M16008



Number Plates

19. Original hanging number plate in black Order as 14A6468
20. Number plate buffer. Only fitted on MK1/2 with 14A6468. Order as 14A7625
21. a. R/H bracket/hinge for number plate Order as 14A6466
b. L/H bracket/hinge for number plate Order as 14A6467
22. Black front number plate Original small number plate as per MK1 where numbers were attached or stuck on. This will not accept later one piece plastic number plate. Order as 14A8455
23. Stainless steel backing plate for latest legal size plastic number plates as used on UK cars. The outer rim is polished to smarten up the front or rear of any MK3 on car or as applicable. Order individually as 8B12390
24. Plastic number plate surround. Looks good but not as solid as using stainless steel No. 22. Order as MSA0213



Enter your Mini pictures into our photo competition.

see details at www.minispares.com



Body Seam Mouldings

Body Seam Mouldings in Stainless Steel

1. Should be used with later type stainless steel clips BMP128MS, which do not rust like the originals. These seam mouldings not only brighten up the car but are rust free and cheaper than genuine original replacement items. Available as a front kit and separate rear kit.



- a. For a pair of front Order as 8B12400
- b. For a pair of rear Order as 8B12401
- In plain metal (as standard) Genuine Non Genuine
- c. Front fits R/H & L/H Order as BMP127 BMP127MS
- d. Rear R/H Order as BMP124 BMP124MS
- e. Rear L/H Order as BMP125 BMP125MS

2. Roof trim. 1 Roll of specially shaped plastic trim sufficient for one saloon/sedan roof.



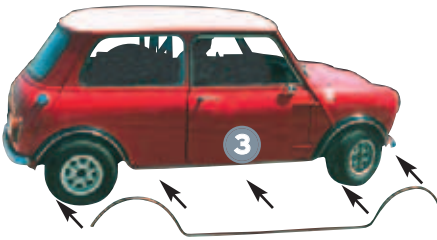
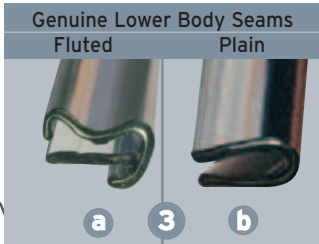
a. Silver Order as MT632
b. Black Order as MT633

Roof moulding, pre shaped black original as factory fitted by Rover from very late 1979 on. (supplied in 2 halves).

- c. Right hand Order as YGA1106
- d. Left hand Order as YGA1107
- e. Joining clips (front & rear) Order individually as DBE10006PMD

3. Silver coloured lower plastic body seam moulding. For better fitting we recommend genuine Genuine Chrome Type .. Bright Silver

- a. Fluted type as MK1/2 Order as GZF105A GZF105MS
- b. Plain type as MK3on Order as GZF107A



Rear Mudflaps

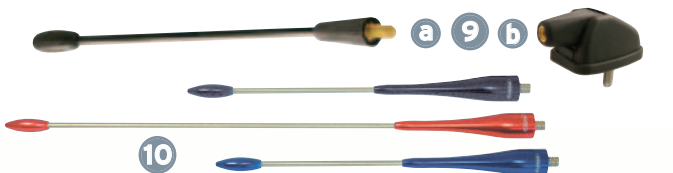
These are made to fit all saloons from 1984 onwards or any year when the Mini special plastic arches are fitted, tailored to fit with these arches only. Sold in pairs.

- 4. With the Mini Cooper laurel emblem. Order as CAT10044
- 5. With the word 'Mini' emblem. Order as AJM164
- 6. With the latest Mini logo emblem. Order as CAT100870



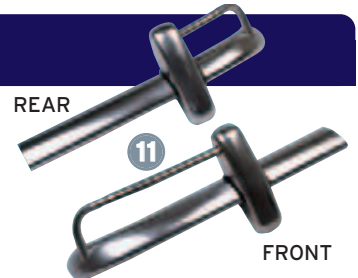
Aerials

- 7. Wing mounting telescopic aerial Order as MSA1118
- 8. Roof aerial for the 60's look. Stainless Steel .. Order as MSA1119
- 9. a. Replacement roof aerial antenna as fitted standard from 1996 Order as XUJ100070
b. Base for roof aerial as fitted from 1996. Order as XUF000020
- 10. Anti Theft Aerial. Chrome & anodised 'staybright' aluminium aerials. includes 2 rods that can be cut down to any size. Fits all cars with screw in aerials 1996 on.
Blue .. Order as NMA1081 Red .. Order as NMA1080 Black . Order as NMA1082



Bumpers

Mini Spares manufacture all the classic overriders, corner bars and bumpers in stainless steel with the correctly pressed holes and shapes to original specification. All parts are available separately or in kit form.

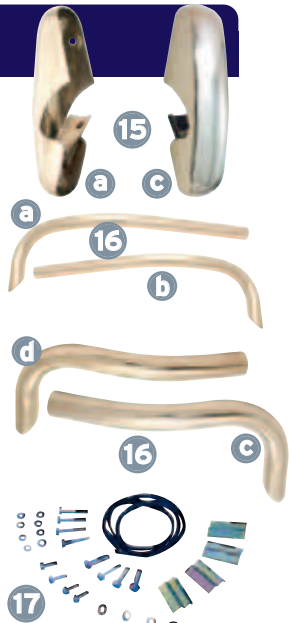


- 11. Original kit complete with bumpers, corner bars, overriders and all fittings Order as MS25
- 12. Front and rear kits of overider and corner bars, but less bumpers where purchasers wish to drill their own stainless steel bumpers. Reverse lamps fitted from 1983 on will have to be relocated using bracket MSSK024. (not shown).
a. For cars pre 1997 or late Coopers with 2 spot lamps only. Less bumpers Order as MSSK025
b. Cars with 4 spot lamps or 1997 on, a different front kit with shorter corner bars is used with the original rear kit. Less bumpers Order as MSSK026
c. Front kit only for cars with 4 spot lamps or 1997 on, has shorter corner bars. Less bumpers Order as MSSK027
d. Front kit only for cars with 4 spot lamps or 1997 on, has shorter corner bars. With bumpers Order as DPZ100270
- 13. a. Stainless steel bumper with holes for corner bars. Can be ordered individually Order as 14A9871
b. Genuine Rover stainless steel bumper. (without holes). Order individually as DPB10166
c. Budget chrome bumper Order individually as 14A6779MS
d. Budget stainless steel bumper Order individually as DPB10165MS
- 14. Clubman front bumper Order as CZH600



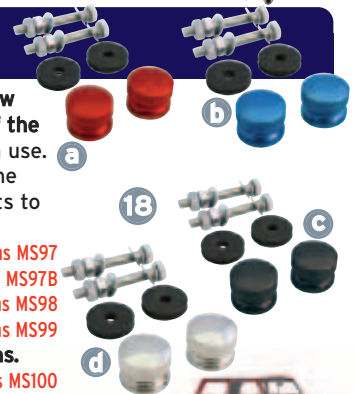
Overriders

- 15. a. Stainless steel overider with hole for right hand front or left hand rear. Order individually as 14A9923
b. Stainless steel overider with hole for left hand front and right hand rear. Order individually as 14A9924
c. Plain stainless steel overider for MK2 without holes Order individually as 14A8738
- 16. a. Right hand front corner bar stainless steel. Order individually as 14A9877
b. Left hand front corner bar stainless steel. Order individually as 14A9878
c. Right hand rear corner bar stainless steel Order individually as 14A9919
d. Left hand rear corner bar stainless steel Order individually as 14A9920
- 17. a. Fitting kit for MK1 corner bars and overiders. (As supplied in MS25). Order individually as MSSK010
b. Fitting kit for MK2 overiders only. Order as MSSK011



Grille Fixings

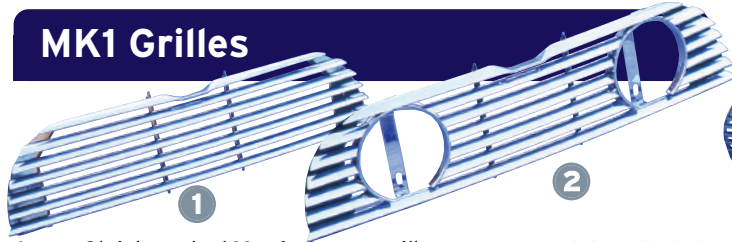
- 18. Quick release grille buttons. Allow immediate access to the front of the engine bay. Ideal for competition use. Two holes need to be drilled in the front panel and grille for the bolts to be fitted.
a. Red alloy buttons Order as MS97
b. Blue alloy buttons. Order as MS97B
c. Black buttons Order as MS98
d. Chrome buttons Order as MS99
e. Lightweight aluminium buttons. Order as MS100



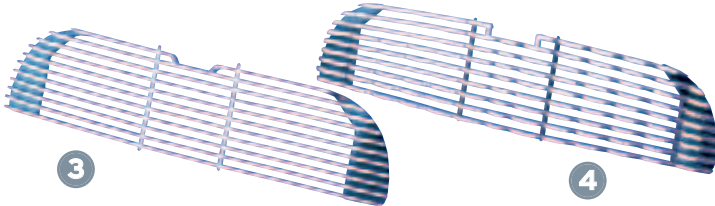
59 Grilles



MK1 Grilles



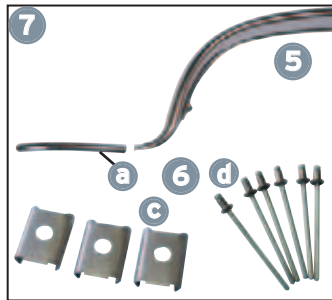
1. a. Stainless steel Morris Cooper grille Order as 24A2158
 b. Full top slat for internal bonnet release. Retro look. Order as 24A2159
 c. Above grilles with retro surround kit 14A7780. Order as 24A2158KIT or 24A2159KIT
 d. Internal bonnet release kit. See No.11 Order as GS130273
2. Stainless steel grille with 6" lamp hole Order as 8B12506



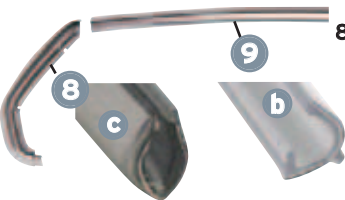
3. a. Grille as fitted to Austin MK1 Cooper and 'S' Order as 24A198
 b. Full top slat grille for retro look with internal bonnet release. Order as 24A199
 c. Above grilles with retro surround kit 14A7780. Order as 24A198KIT or 24A199KIT
4. Grille as fitted to Austin MK1 Minis, known as the wavy line grille because of its shape Order as 14A7299

Grille Mouldings

5. Original chrome over brass MK1 moustache surround, redesigned to also fit all current genuine front panels and our grilles for a retro look. See No.7 for complete car kit. Order as 14A7781RETRO
6. a. R/H end moulding for MK1 moustache .. Order as 14A7782
 b. L/H end moulding for MK1 moustache .. Order as 14A7783
 c. Moustache clips in stainless steel (3 required per moulding) Order individually as ADA3583
 d. Pop rivet for the clip (3 required per moulding). Order individually as RA608076

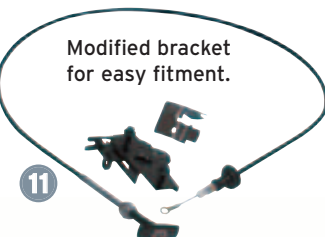


7. Complete MK1 surround and fitting kit. Includes No. 5 and all 6. Order as 14A7780



8. a. R/H grille moulding 1967 MK2 on Order as ALA6508
 b. L/H grille moulding 1967 MK2 on Order as ALA6509
 c. Plastic finisher to fit between side moulding and body. Order individually as 37H8108
9. a. Grille top moulding (fitted to bonnet) MK2 1967 on. Order as ALA6559
 b. Plastic finisher to grille top moulding . Order individually as 24A2708
10. Grille surround kits MK2 on.
 a. Complete car set of mouldings & trims. Includes all parts in No.8 and 9 Order as GRILLE10
 b. Car set of mouldings. Includes parts No.8a,b and 9a. Order as HMP841009

11. Internal bonnet release kit. The safest bonnet lock is an internal release type, as fitted to all the late Minis. The kit includes a new catch with bolts, correct length cable and bracket to fit under the end of the parcel shelf. (Not Clubman). Order as GS130273



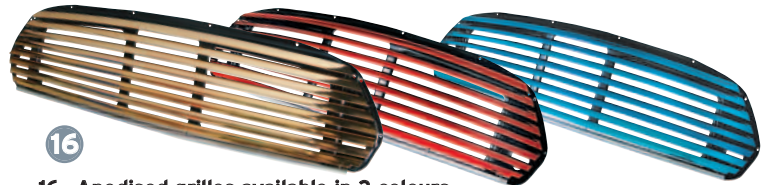
MK2/3 Grilles



- All MK2/3 types are interchangeable and are supplied without surrounds. Mini Spares grilles & surrounds have been supplied to Rover as original equipment.
12. Black grille as fitted to early MK3/4 saloons from 1970 onwards. Mini Spares black grille Order as CZH4015MS
 13. Bright alloy grille.
 a. With external bonnet release Order as ALA6654MS
 b. With internal bonnet release Order as DHB102140MMS

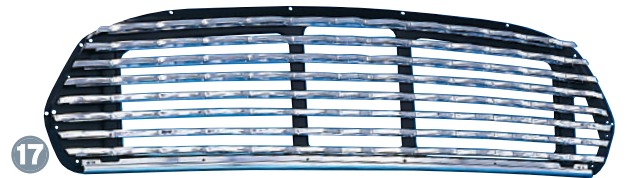


14. a. Bright trim alloy as original where internal bonnet release is used Order as ALA6669
 b. Stainless steel heavy-duty front grille where internal bonnet release is used Order as 8B12505
15. a. Bright alloy grille when bonnet is opened manually at front of car, as fitted to original MK2 Cooper and 'S' Order as ALA6668
 b. Stainless steel heavy duty front grille when bonnet is opened manually at front of car. Order as 8B12504

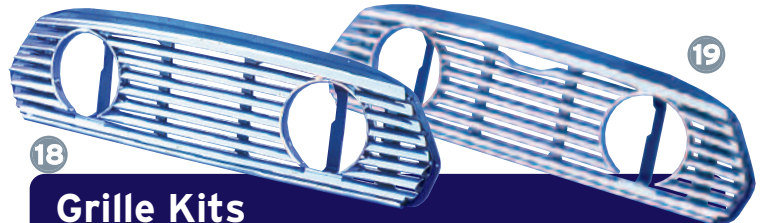


16. Anodised grilles available in 3 colours.

	Gold	Red	Blue
Internal bonnet release.	ALA6669GOLD	ALA6669RED	ALA6669BLUE
External bonnet release.	ALA6668GOLD	ALA6668RED	ALA6668BLUE



17. 1960's look wavy grille as per Austin Mini MK1 design has now been produced for later cars MK2 1967 on.
 a. For cars with internal bonnet release (as shown) Order as 8B12508
 b. Recessed slat for external bonnet opening Order as 8B12507
18. Stainless steel grille with 6" lamp hole when internal bonnet release is fitted. Order as 8B12503
19. Stainless steel grille with 6" lamp hole when external bonnet release is fitted. Order as 8B12502



Grille Kits

20. Complete grille kits include the grille surround mouldings, screws and seatings:
 a. MK2/3 kit with Bright alloy grille No.13, external bonnet release Order as GRILLE02
 b. MK2/3 kit with Black grille No.12, external bonnet release. Order as GRILLE03
 c. Coopers S kit with Bright alloy grille No. 15a, external bonnet release Order as GRILLE04
 d. Coopers S kit with Bright alloy grille No. 14a, internal bonnet release. Order as GRILLE05





Petrol Caps



A range of 1960's look petrol caps. These are available in chrome, alloy and as locking caps.

The brass ring that fits onto the petrol tank neck is only required with the non-locking type and is included with the cap. The brass ring is available as a separate part.

1. Brass collar. Order as COL25

2. Flip Top Caps. Flat cap with large catch is known as the Aston. Non-Locking caps include brass ring. All alloy caps now have metal chromed catch.

a. Chrome with collar. Order as ASTON

b. Alloy with collar. Order as ASTON01

c. Alloy locking. Order as ASTON02

d. Chrome locking. Order as ASTON03

3. Monza flip top cap with raised ridge. Non-Locking caps include brass ring. All alloy caps now have metal chromed catch.

a. Chrome with collar. Order as MONZA

b. Alloy with collar. Order as MONZA01

c. Alloy locking. Order as MONZA02

d. Chrome locking. Order as MONZA03

4. The classic chrome petrol cap fits onto the filler neck and allows the original locking cap (item 7) fitted by Rover to sit inside as normally fitted. Means neither part can be easily stolen. 3 1/2" wide. Superb value.

. Order as SP227

5. Budget copy of Monza chrome. Cap screws onto a special brass adapter. The collar requires just over 3/8" (10mm) of petrol tank neck above the body seal to allow fitment, many later cars do not have this much neck protruding so check first.

. Order as SP228

6. Alloy cap 3" wide that fits over and clamps to Rover petrol locking caps (item 7) and is retained by grub screws to give the Aston look from the 60s.

. Order as MSA1145

7. a. Chrome petrol locking cap (non-vented) for saloons 1970 on Order as WLD100660

b. Chrome petrol locking cap (vented) for saloons pre 1970 and all vans/estates. Order as GSS154A

8. Black petrol locking cap (non-vented) for saloons 1970 on. Order as GSS212A

9. Chrome petrol cap (vented, non locking) Order as WLD100350

10. Black petrol cap (non-vented, non locking). Order as WLD10027

11. Original chrome classic 3" wide locking petrol cap by Wilmot Breedon (non-vented). Order as GSS215

Right Hand Fuel Tank

13. Complete Fitting Kit (includes all except tank)



12. Cooper 'S' right hand tank, 5.5 gallons. Will fit any Mini, but fuel injected cars will require modification to original tank. No fittings supplied as it is a replacement part, but a kit or any single part of the kit are also available. See kits No. 16.

a. Carburettor type cars with ordinary neck for lead free and leaded petrol Order as 21A2183

b. Cars with small lead-free fuel entry neck Order as 21A2184

c. Standard left hand tank 7.5 gallons with slot in sender hole. Order as ARP1043

d. Standard 7.5 gallon L/H tank - injection only. Order as WFE106090

e. Alloy lightweight 5.5 gallon R/H tank with leaded petrol tank neck only Order as 21A2185

13. a. Complete fitting kit for Cooper 'S' right hand tank Order as MS82

b. Complete fitting kit. All parts as in kit MS82 but with extra parts for fitting to the fuel injection car. This will require removal of the original tank for modification, which includes drilling a hole and fitting a union Order as MS83

14. a. Long retaining strap for 5.5 gallon tank. Order as 2A2226

b. Long diagonal fitting strap for 7.5 gallon tank. Order as 21A2838

15. Short retaining strap for 5.5 gallon tank Order as 2A2231

16. Right hand tank anchor bracket Order as ALA7905

17. a. Petrol tank neck seal Order as 14A7057

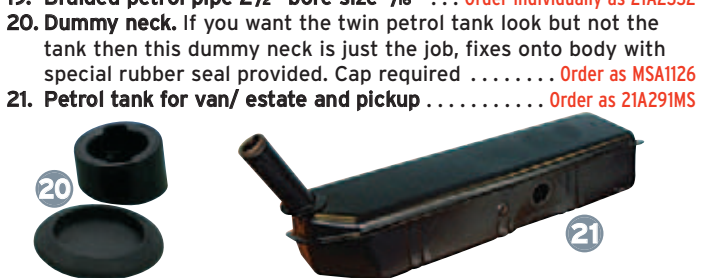
b. Petrol tank thin neck seal, MPI. Order as WGG100010

18. Joining pipe between two tanks Order as 21A2331

19. Braided petrol pipe 2 1/2" bore size 5/16" Order individually as 21A2332

20. Dummy neck. If you want the twin petrol tank look but not the tank then this dummy neck is just the job, fixes onto body with special rubber seal provided. Cap required Order as MSA1126

21. Petrol tank for van/ estate and pickup Order as 21A291MS



Fuel Tank Sender Units

22. a. For Mini Van, estates, pick ups which are held in place by screws. (including gasket) Order as AAU8340MS

b. Fixing screws for sender unit Item 22a Order individually as 53K165

23. Cork gasket for sender unit to Mini van tank Order as GUG705711GM

24. a. For saloons where the unit twists in and sealed by rubber 1974-1992. Order as XNB10007

b. For injected cars where float rod has a bend and kink 1992 on. Order as XNB100380



61 Bodywork



Front Panels



- Front panel for:
 - MK1/2/3 pre rubber mounted subframe Order as 14A8308
 - MK4 for rubber mounted subframe 1976 on Order as ALA8619
 - MK6 with AFU3389 side lamp and has 2 spotlight holes. Order as ASJ36002
 - MK7 twin point injection with front mounted radiator. Order as ASJ360070
 - MK7 as above. Non Genuine Order as ASJ360070MS

- Van / Pickup front panel non genuine.
 - pre rubber mounted subframe Order as 14A9566
 - when rubber mounted subframe Order as AAM1106

- Front Panel Stiffeners.
 - Stiffener bracket as fitted to front panels is available if required Order as ALA4583
 - Original angled stiffener to allow fitment of oil cooler as per Cooper 'S' Order as 24A1918

Mini Wings

- MK1/2/3 Right Hand wing. Order as 14A7240
 - MK1/2/3 Right Hand wing - Non genuine Order as MS1R
 - MK1/2/3 Left Hand wing . Order as 14A7241
 - MK1/2/3 Left Hand wing - Non genuine. Order as MS1L
 - R/H wing with side repeater hole Order as BMP454
 - R/H wing with side repeater hole. Non genuine. Order as BMP454MS
 - L/H wing with side repeater + aerial hole Order as BMP455
 - L/H wing with side repeater + aerial hole - Non genuine Order BMP455MS
 - Left hand wing with side repeater no aerial hole 1996 on Order as ASB360010

Windscreen Corner Closing Panel

The Windscreen corner closing panel under the top of the wing does a very important job holding back the wheel spray so always check when replacing wings. Part of No.7 a & b.

- Right Hand Windscreen corner closing panel Order as 14A8348
 - As above -Non genuine version Order as MS6XR
 - Left Hand Windscreen corner closing panel Order as 14A8349
 - As above -Non genuine version Order as MS6XL

'A' Panels

- 'A' panel for cars with internal hinges MK3 on.
 - Right Hand Order as ALA5660
 - Right Hand - Non genuine .. Order as MS9R
 - Left Hand Order as ALA5661
 - Left Hand - Non genuine ... Order as MS9L
- A panel with holes for cars with external hinges.
 - Right Hand Order as 14A6901
 - Right Hand - Non genuine .. Order as MS8R
 - Left Hand Order as 14A6902
 - Left Hand - Non genuine ... Order as MS8L
- Inner A panels with external hinge reinforcement brackets (not shown).
 - Right Hand Order as 14A8346
 - Left Hand Order as 14A8347
- 'A' post with doorstep repair panel, for wind up window, internal hinge cars.
 - R/H Order as HMP441012
 - L/H Order as HMP441013

Inner Wings

	Year and model	Inner wing	Inner wing A-panel fitted
R/H	1959-69 MK1/2	14A7900	
R/H	1969 on	ABD36006	ABD36004
L/H	1959-69 Mk1/2	14A7901	
L/H	1969-91	ALA6475	ALA6279
L/H	1991-96	ABD36007	ABD36005
L/H	1996 on	ABD360180	ABD360200



- Radiator cowling for inner wing. 1959-75 Order as 14A6498
- Radiator cooling slat repair panel. 1959-91 Order as HMP441023

Doors & Body Sides

- MK1/2 door for external hinges from original tooling available in E coat.
 - Right hand door Order as 14A8306
 - Left hand door. Order as 14A8307
 - Door skin R/H Order as 14A5498
 - Door skin L/H Order as 14A5499
- MK3 Door 1970 on, wind up windows & internal hinges. (not shown)
 - Right hand door (hinges not included). Order as BMP306MS
 - Left hand door (hinges not included). Order as BMP307MS
 - Door skin Order R/H as CZH3300. Order L/H as CZH3301

NOTE: Very late cars had an internal crash bar. Please enquire for parts.

- Rear half bodyside with lower window aperture 1970 on. Order R/H as HMP441014 . Order L/H as HMP441015
- Windscreen lower surround panel suitable for all models. Order as HMP441001

Boot Lids & Tailgate

- Early type MK1 bootlid. Pre 1967 with cross member support sections as per MK3 Minis Order as 28G110



- Bootlid for MK3 1970 on, with holes for clips for boot seal (14A6584). Lamp fits above the number plate Order as BMP339
 - Bootlid MK3 type, Non Genuine with holes for clips for boot seal (14A6584) .. Order as MS19
 - Outer skin only. For MK3 on .. Order as BMP102
- Bootlid MK3 shape without clip holes because the seal (CKE10018) was fitted on the body from 1988 on. Order as BMD36001
- Mini pickup genuine tailgate Order as CZH3293
- Boot seal and clips for bootlids No.15 & 16a-b (26 Clips required)
 - Rubber seal Order as 14A6584
 - Clips Order 26 clip kit as 14A6585KIT ... Order individually as 14A6585

Rear Panels & Valance

- Complete upper and lower rear panel.
 - Fits MK1 lamp Order as HMP441046
 - Fits MK2 on lamp ... Order as HMP441022
- Rear lower back panel for MK2 1967 on. Order as HMP441019
- Boot hinge lower repair panel suitable for all models Order as HMP441009
- Rear lower valance for all saloons
 - Genuine valance with fog lamp fixing holes Order as 14A5497
 - Genuine valance with out holes MK1 & 2 Order as 14A6940
 - Non genuine valance without fog lamp fixing holes Order as MS22
 - Non genuine valance with fog lamp fixing holes . Order as CZH3353MS

See Electronic Parts List on website for full range of body panels stocked.



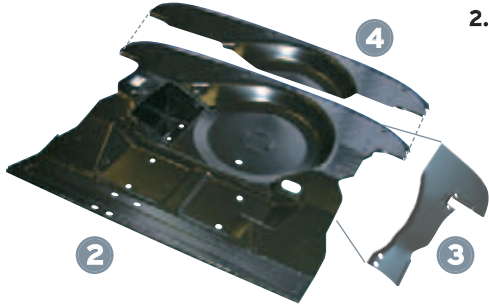


Tail Lamp Conversion

1. If converting a late square lamp hole Mini to fit MK1 rear lamps, these are the metal plates required for the conversion.
Order R/H as MS026R . . Order L/H as MS026L



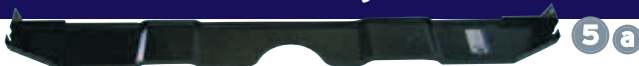
Boot Floor & Repair Panels



2. Rear seat and boot floor genuine panel suitable for all models.
 - a. With battery box. Order as HMP441016
 - b. Without battery box. Order as ALA5513
3. Boot inner repair panel Non Genuine.
 - a. Right hand. Order as MS24R
 - b. Left hand. Order as MS24L

4. Boot floor rear repair section. Non Genuine 10" deep . Order as MS54

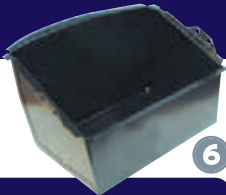
Subframe Mounting Panel



5. Subframe mounting and rear floor skirt panel, all models.
 - a. Complete panel genuine 1991 on but fits all . . Order as HMP441008
 - b. Complete panel pre 1991 original shape Order as MS51
 - c. Right hand half panel only Order as HMP441006
 - d. Left hand half panel only Order as HMP441007

Battery Box

6. a. Original battery box . Order as 14A6499
b. Non genuine pattern battery box Order as MS31



Rear Wheel Arches

7. a. Right hand arch complete. Order as 14A9558
b. Left hand arch complete. Order as 14A9559
8. a. Right hand arch part only. Order as 14A6617
b. Left hand arch part only. Order as 14A6618
9. a. Right hand damper (shock absorber) turret part only Order as HMP441010
b. Left hand damper (shock absorber) turret part only Order as HMP441011



Closing Panels

10. Rear Valance closing panels.
 - a. Right hand . Order as ALA5524
 - b. Left hand . Order as ALA5525
11. Rear Valance closing and subframe mount panels.
 - a. Right hand . Order as ALA5528
 - b. Left hand . . Order as ALA8623
12. Front of rear wheel arch closing panel. (Right Hand shown).
 - a. Right hand . . Order as 14A6611
 - b. Left hand . . . Order as 14A6612
13. Rear Subframe mount stiffener bracket. (Left Hand shown).
 - a. Right hand . . Order as 14A6609
 - b. Left hand . . . Order as 14A6610



Floor & Sill Panels

14. Replacement floor pans to fit all Minis up to injection type cars where they ran a strengthening gusset front to rear on the passenger side to recess the extra pipes
 - a. Right hand front floor pan only (non genuine) Order as MS25R
 - b. Left hand front floor pan (non genuine) Order only as MS25L
 - c. Right hand front to rear floor pan Pre Rod Change gear lever tunnel (non genuine) Order as FS006R
 - d. Left hand front to rear floor pan Pre Rod change gear lever tunnel (non genuine) Order as FS006L
 - e. Right hand genuine front to rear floor pan with latest pressings Rod change tunnel. Order as HMP441004
 - f. Left hand genuine front to rear floor pan with latest pressings Rod change tunnel Order as HMP441005
15. Rear floor pan only (non genuine)
 - a. Right hand Order as MS26R
 - b. Left hand Order as MS26L
16. a. Floor pan only (rod type gear lever change) Order as CZH2669
b. Complete floor assembly MK1/2 with sills / cross member . Order as 24A2615
c. Complete floor assembly MK4 with sills /cross member. Order as ADA36002E



- Sill panels 17-21 are for saloon (sedan) only
- | | Right Hand | Left Hand |
|---|-------------------|-----------|
| 17. a. Outer sill Genuine 6 flute MK3 | 14A9534 | 14A9535 |
| b. Outer sill Genuine Van 6 flute | 14A9026 | 14A9027 |
| 18. a. Outer sill 8"Non genuine MK3 | MS55R | MS55L |
| b. Outer sill 8"Non genuine Van. | MS58R | MS58L |
| 19. a. Rover revised 5.75" wide MK1/2. | BHM3 | BHM4 |
| b. Outer sill 4 flute 4" wide MK1/2 | MS30R | MS30L |
| 20. Outer sill 4 flute 8" wide MK1/2 | MS29R | MS29L |
| 21. Inner sill all saloons (right hand shown) | MS27R | MS27L |
22. Genuine jacking point hole and cross member extension reinforcement bracket (Left hand shown)
a. Right hand Order as 14A8374
b. Left hand Order as 14A8375



Complete Body Shell

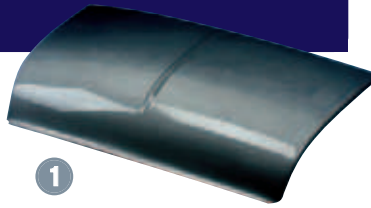
23. All bodysells are zinc coated steel with E-coated special etch primer. The floor is for rod change gearbox 1972 on and takes rubber mounted front subframes. Has a "rotodip" hole in the bulkhead which gives access for central speedo, no ariel hole or wing side repeater holes. The MK4/5 has inner wing air slats for side mounted radiator MK6 has large round inner wing hole for electric fan. MK7 has blank inner wing and takes front mounted radiator, with roof ariel hole. MK7 Sportspack has modified panels and holes for Sportspack arches.
 - a. MK4/5 complete shell 1976-90. Order as BMP343
 - b. MK6 complete shell 1991-96. Order as AAA36002
 - c. MK7 complete shell 1996 on. Order as AAA360200
 - f. MK7 Sportspack complete shell 1996 on Order as AAA360210
24. Clubman complete shell 1976 on Order as CZH594



63 Bonnet, Straps, Plugs & Grommets



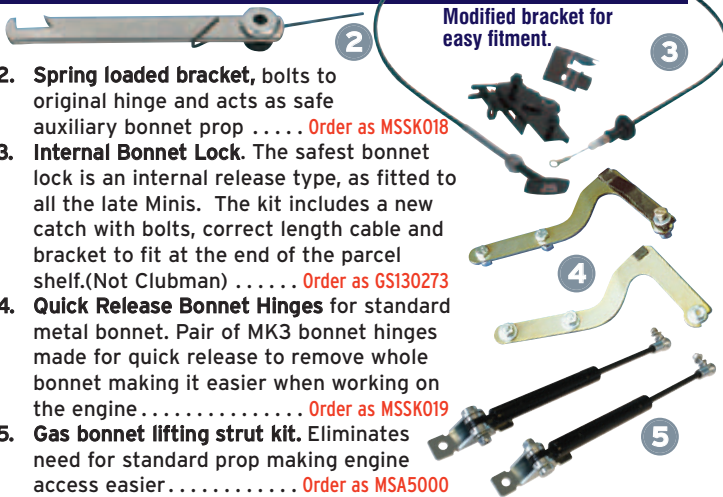
Bonnets



1. a. 1971 on with grille moulding support lip. Non Genuine. Order as MSL2
- b. MK1 1960-67 No grille moulding support lip Genuine Order as 24A1182
- c. MK2 1967-69 with grille moulding support lip. Genuine. Order as ALA7455
- d. MK3 1971 on No grille moulding support lip. (Van/Pickup) Genuine Order as ALA8430
- e. MK3 1971 on with grille moulding support lip. Genuine. Order as CZH455
- f. MK7 1997 on for front mounted radiator. Genuine. Order as BKA360070
- g. MK7 1997 on Japan only Order as BKA360110

From approx. 1971 bonnets had hinges fitted direct to corners with fixing area 1.25" inboard. MK1/2 & early MK3 had the hinges approx. 6" inboard.

Bonnet Fittings



2. Spring loaded bracket, bolts to original hinge and acts as safe auxiliary bonnet prop Order as MSSK018
3. Internal Bonnet Lock. The safest bonnet lock is an internal release type, as fitted to all the late Minis. The kit includes a new catch with bolts, correct length cable and bracket to fit at the end of the parcel shelf.(Not Clubman) Order as GS130273
4. Quick Release Bonnet Hinges for standard metal bonnet. Pair of MK3 bonnet hinges made for quick release to remove whole bonnet making it easier when working on the engine. Order as MSSK019
5. Gas bonnet lifting strut kit. Eliminates need for standard prop making engine access easier. Order as MSA5000

Boot Hinges



6. a. Pair of chromed bootlid hinges ... Order as 8B12601
- b. Pair of bootlid hinges non genuine. Order as 8B12602
- c. Pair of Rover bootlid hinges genuine Order as HMP441031
7. a. Rover replacement R/H hinge Order as BMB360040
- b. Rover replacement L/H hinge Order as BMB360050
8. a. Lower gasket for hinge to body Order individually as 24A2176
- b. Upper gasket for hinge to bootlid Order individually as 24A2175

Grommets

Grommets with centre hole for wiring and control cables etc.

9. a. Grommet, 1/8" centre hole 1/2" wide and fits 11/32" hole, choke cable through body. Order as CAM5969
- b. Grommet, 7/32" centre hole 1/4" wide and fits 1" hole. Order as 5L23
- c. Grommet, 1/8" centre hole 1" wide and fits a 3/4" hole, boot floor, rear valance. Order as 14A7033
- d. Grommet, 5/32" centre hole 1 3/8" wide fits 1 1/4" hole. Also inner wing hole, for side repeater lamp Order as YML10654
- e. Grommet, 3/16" centre hole 1" wide fits 1/2" hole Order as RFN403
- f. Grommet, 1/8" centre hole 1 3/32" wide to fit 9/16" hole, bootlid and bulkhead wiring. Order as RFN303
10. Door handle seal Order as ADA3817
11. Boot handle seal Order as CZH1747



Classic Straps and Fixings



Hooks, straps and catches for bonnets, boots or fibreglass front ends

12. Over centre clips, chrome plated and sold in pairs only. Order as MS117
13. Heavy duty bonnet pins 3 1/2" long and 1/2" thick. Pairs only. Order as C247
14. Original type leather bonnet strap, thick top grade tan leather, alloy fastening, and sold complete with screws as used by ST Works cars. Order individually as C-AJJ3381
15. a. Competition quick release stainless steel bonnet pins, 4 1/2" long and 7/16" thick Order as BSP001
- b. Competition quick release lightweight alloy bonnet pins, in blue anodised. In pairs only Order as BSP002
- c. Competition quick release lightweight alloy bonnet pins, in red anodised. In pairs only Order as BSP003
16. Rubber bonnet hook in solid black rubber with fastenings.
 - a. short 2 1/2" in length. In pairs only Order as MS119
 - b. long 4 1/2" in length. In pairs only Order as MS118
17. Bonnet and boot springs available in pairs only.
 - a. In black ... Order as BS258
 - b. In chrome Order as MS122
18. Black leather bonnet straps available in pairs only ... Order as MS121
19. Original works quick lift jacking brackets. A pair were fitted on both the front and rear about 12" apart from the centre, meaning the car could quickly be raised by quick lift jacks as used by Formula One Teams to this day. Order each pair of brackets as C-AJJ4005

Floor and Body Plugs

20. Inner sill 1 1/4" x 1" rectangular plug for 1" long 13/16" hole Order as AYB10020
21. Boot plug for fuel lines on injection cars or new shells 3" long oval hole. Order as WYA10001
22. Floor plug, 1 5/16" wide. Fits holes just under or over 1" Order as 14A7081
23. Battery box, rear floor pan, wiper hole plug. 1 1/8" wide Fits 13/16" hole. Order as 14A7090A
24. Radius arm shroud, aerial hole and floor, steering column hole plug. 1 1/4" wide. Fits 7/8" hole. Order as 14A7091
25. Plug for hole in fliitch, MK1 door, bonnet platform. MK4 later panel. 13/16" wide. Fits 1/2" hole Order as 14A7031
26. Floor plug.
 - a. Boot 5/8" wide to fit hole 5/16". Order as 13H1954
 - b. Steering Column Order as BNP3894
27. Rear valance fog lamp blanking plug. 1" wide for 5/8" hole Order as 14A7032
28. Spotlamp bracket front valance plug. Fits 1 1/16" wide Fits 3/8" hole 9.2mm hole. ... Order as ALA4466
29. Buffer fliitch plate (4) luggage strap hole(3) plug. 1/2" wide for 5/16" hole Order as 2H7274
30. Wiper motor extra square hole in dash white plastic plug Order as CZG778
31. Bonnet buffer 1990 on stick on type. Order as ADU2072
32. Bonnet buffer MK1/2/3. Order as 14G6856
33. "B" Post blanking plug 2" square MK3 on Order individually as CZH628
34. Boot lid number plate buffer MK1/2. Order individually as 14A7625





Bonnet & Bulkhead Seals



All bonnet and bulkhead seals have dual purposes, mainly to keep electrics dry but also prevent rust.

1. a. The original MK1/2 windsreen front scuttle panel seal was called the bonnet rear seal on cars up to 1990. This seal has to be glued on..... Order as 14A9010
 b. From 1990 -1997 a scuttle seal was introduced about 3mm shorter in height but along with the bonnet buffers (ADU2072) was made in a self adhesive style. Adhesive type . Order as CJE10021
 c. Twin points use a moulding that sits on the edge of the windsreen scuttle and comes down the wing edge 9" each side. If you are not sure what to fit this is the last type used Order as JRC8000



2. Seal fitted on the back lip of the bonnet. Order as JRC7008



3. This seal fits on the front lip of the bonnet and does a great job on keeping the distributor and coil dry Order as JRC7898

Boot Seal

4. a. Boot rubber as shown that push fits on body aperture instead of boot lid fitted from 1988 on Order as CKE10018
 b. Earlier rubber that actually fitted on the boot lid. Held on by 26 clips (14A6585 not included) Rubber only..... Order as 14A6584
 c. clips for above 26 required Order 26 clips as 14A6585KIT
 Order individually as 14A6585

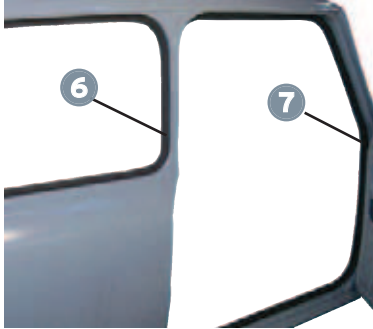


Van Rear Door Seal

5. a. Van/estate right hand rear door seal Order as 14A7608
 b. Van/estate left hand rear door seal Order as 14A7609
 c. Clips for above (57 required) Order individually as 14A6585
 d. Van rear door window seal Order individually as 14A7210

Window & Door Seals

Rear Quarter Light Side Window



6. a. MK1/2 opening rear window. Order individually as ALA5897
 b. MK3 on with opening windows. Order individually as EAM7724
 c. MK3 with NON opening windows. Order individually as JRC2673
 At customers discretion item c. can be used on MK1/2 by cutting and shortening top part of seal.

Door Aperture Seal

7. a. MK1/2 door seal Order individually as XGA9934
 b. MK3 on - wind up window type door. Order individually as CGA2835MS
 8. Twin point injection cars - two piece door seal.
 a. Right hand lower Order as CFB101080
 b. Left hand lower Order as CFB101090
 c. Right hand upper Order as CFB101120
 d. Left hand upper Order as CFB101130

Windsreen Rubber

9. a. Windsreen Rubber for all Minis up to 1990 ... Order as CZH1719MS
 b. A wider profile rubber which covers slightly more body work to help eradicate leaks. Was introduced in 1990. Order as CCB10011MS
 Screen Rubber Fillet Finishing Strip that inserts in windsreen and backlight seals (cut length to suit either).
 10. a. Chrome plastic finishing strip. Order individually as 24A1466MS
 b. Chrome plastic finisher strip joining clip. Order individually as JPC2017
 c. Black rubber insert Order individually as 37H8052

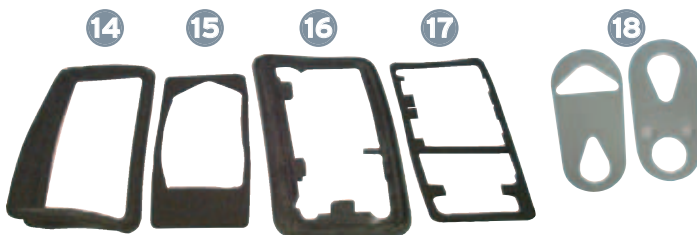
Rear Screen Rubber

11. Backlight (Rear screen) rubber Order as JRC2674
 12. Heavy duty windsreen fillet tool. Order as TOOL12
 13. Windsreen beading tool. Required for fitting the chrome or black insert in the windsreen rubber or backlight rubber.a. Order as TOOL02



Seals for Light Units

14. a. MK2/3 base to body seal per lamp R/H. Order individually as 37H2690
 b. MK2/3 base to body seal per lamp L/H. Order individually as 37H2689
 15. MK2/3 lens to lamp base seal Order individually as 37H6778
 16. MK4 with reverse lens, lamp base to body seal
 a. Right hand Order individually as 37H2692
 b. Left hand. Order individually as 37H2691
 17. MK4 with reverse lens, lamp base to lens seal Order individually as XFH100460



18. Lamp Seal - MK1 base to body and base to lens kit per lamp MK1 only as shown Order as 57H5399
 19. Headlamp bowl to body seal Order individually as 9403

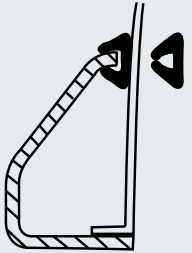


65 Wheel Arches & Flare Kits

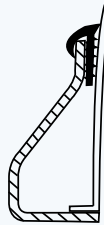


Wheel Arches and Flares

For edging trim that has only the edge butting up to bodywork. Order as 37H9871 per metre in black only.



The quality of the arches is commensurate with the price. Most arches have minor flaws and require trimming for a perfect fit. The more expensive arches are obviously better quality and fit.



For edging trim that has a flat edge butting up against bodywork. Sold per metre For black Order as SPL0059.



For sharp bends it is advisable to 'V' cut the edging trim

By fitting one of the two types of sealing rubber available between the body and the arches. Makes fitment easier, plus a better quality finish is obtained, unless they are being moulded into the wing.

Arch widths are measured off a brand new car and is the distance from the front wing (not the seam) to a point above the centre of the front wheel, which is also the top centre of the wheel and arch opening.

Rear wheels usually appear to stick out further than front owing to the general bodyshape so allow an extra 1/4" with most arches. Widths when fitted are also dependant on the height arches are fitted and manufacturers trimmed sizes but should only vary 1/8"-1/4" when fitted at lowest position. Allow an 1/8" for rubber seal. For Mini Clubmans we accept no liability as careful modifications would be necessary, but only MS132/GAW117/MS133MS are assumed to be fitable or have been fitted by customers.

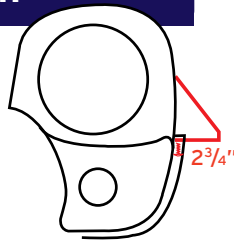
The schematic drawings also show method of screw fixing. Never drill the bodywork until you are satisfied with the style, fitability, and trimming requirements for a good fit.

MS132 - Mini Special Arch



PREMIUM QUALITY

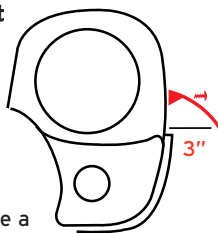
1" Wider In Fibreglass. This arch kit sticks out 2 3/4" when body lines (wheel arch and moulding lip) are kept original. Arch is retained by screws through moulding lip, no screws visible and is 1" wider than the plastic type fitted by Rover but similar schematic shape. Fibreglass arch extends beyond bumper seam line at rear Order as MS132



MS128 - Group 5 Arch in Fibreglass



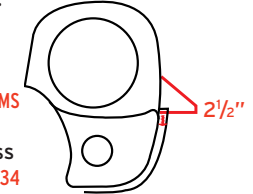
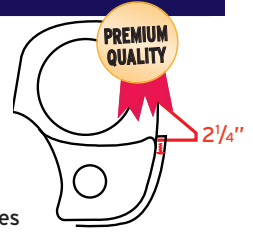
This arch kit sticks out 3" and is used when bodyline is cut away or retained. Originally made as Group 5 Race arch where no body modifications were required, it has become a cheap 'Jack of all Trades' especially when large odd size wheels are used. Rear arches stop at bumper seam line. Widest part at front approximately 5" Order as MS128



MS133 WP Style Arch in Fibreglass



This design of Wide Profile fibreglass arch sticks out 2 1/4" maximum when bodyline (wheel arch and moulding lip) are kept original. Screws are not visible. Front arches taper away at front exposing tyre tread. Rear arches stop at bumper seam line. Includes correct body to arch rubber seal. 2 1/4" Upgraded Premium Arches For a slightly better fitting upgraded premium kit.

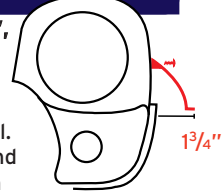


ABS Arches. Also available is a slightly wider 2 1/2" set made in ABS plastic only, which are less expensive Order as MS134

C-AJJ3316 Group 2 in Fibreglass



This arch kit sticks out 1 3/4", including lip, when bodylines (wheel arch and moulding lip) are kept original. Screws are visible and the chrome wheel arch



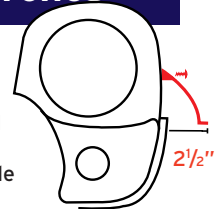
moulding can be retained. These are copies of original ST Abingdon works arches. Rear arches stop at bumper seam line. Order as C-AJJ3316

C-STN71 Works Group 5 Arches



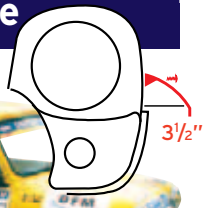
PREMIUM QUALITY

In Fibreglass This arch kit sticks out 2 1/2", including lip, when bodylines (wheel arch and moulding lip) are kept original. Screws are visible and plastic wheel arch moulding can be retained. Rear arch stops at bumper seam line. These are original ST works car copies Order as C-STN71



MS128W - Gp 5 Extra Wide

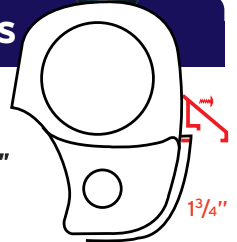
This arch kit sticks out a nominal 3 1/2" and more when positioned at the angle most racers use as shown. 5 1/2" wide at very front. Definitely only for cars with bodyline modifications and fairly inexpensive to replace. Rear arches stop at bumper seam line Order as MS128W



GAW117 - Plastic Arches



Mini Special Arches. Includes sill trim moulding between arches. This arch kit sticks out 1 3/4" when bodyline (wheel arch and moulding seam) are kept original. Originally fitted to Innocenti Minis and became standard equipment on all Minis from 1984. Screws are visible and rear arch extends beyond bumper seam line. These black plastic arches were originally known as Mini Special Arches. Order as GAW117
Black Arches in this kit are also available individually
 R/H/Front arch CZH4312 L/H/Front arch CZH4313
 R/H/Rear arch CZH4314 L/H/Rear arch CZH4315
 Sill strips x 2 CZH4316





Stainless Steel Arch Cover

1. Set of four stainless steel covers to fit over the original plastic arches (GAW 117) as fitted by Rover since 1984. Order as BG2405MS
2. The two stainless steel strips to fit on the body edge blend in perfectly between the contour of the BG2405MS arches Order as BG2406

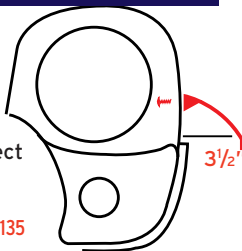


NOTE: Beware of cheap copies. These covers fit correctly. They are the original arch covers supplied to Rover.

Sports Pack Arches



The last Rover arches, as fitted to the Sportspack Mini from 1997. Made in rubber and stick out 3 1/2". The bodyline has to be cut away to fit. Finished in correct rubber primer. Available as set of 4 Order as MS135



or separately as listed below.

- R/H/Front Arch DFJ100240LML L/H/Front Arch DFJ100250LML
- R/H/Rear Arch DFK100460LML L/H/Rear Arch DFK100470LML

The finishing strip between arch and body (as supplied in Kit MS135 & ARCH001) Order individually as DFP100400
The finishing strip between the front and rear arches (not supplied in Kits) Genuine Order individually as DDJ10002 (not supplied in Kits) Non genuine Order individually as DDJ10002MS
Also available is a plastic copy which has not got such a perfect finish - the coating needs proper etch primer for application of paint, but fits equally well as the original. Budget Price! Order as ARCH001
For similar set in fibreglass Order as MS136

RGM Mini Styling

5. RGM black ABS plastic styling kit includes front, rear spoilers and wheel arch extensions with sill trims built in. Has full fitting instructions and parts required. Can be painted using two pack acrylic paint. Has a cut out in the rear valance for a fog lamp which was fitted from 1982. Order as SK200



Fibreglass Panels



7. a. Budget quality bonnet skin without lip as per MK1 Mini and Vans. No fixings Order as MS114
- b. Budget quality bonnet skin with lip for moulding Order as MS114A
- c. Clubman budget bonnet skin. Order as MS115
8. Bootlid double skins or outerskins cannot be fitted using original fixings. Available in MK1 or MK3 design.
 - a. Bootlid outer skin only MK1. Order as MS110
 - b. Bootlid outer skin only MK3. Order as MS111
 - c. Bootlid inner and outer skin MK1. Order as MS112
 - d. Bootlid inner and outer skin MK3. Order as MS113
9. Minivan/ Estate one piece rear Fibreglass door with window and seal fitted Order as MS109

Quality of Fibreglass panels are commensurate with prices, obviously the more expensive parts are better to fit and require less trimming and repair of minor flaws. All Fibreglass (with the exception of arches) must be collected by customer.

Fibreglass Front End

10. Mini, one piece full front end without any cut-outs. Multi purpose specification. Order as MS104
11. Mini, one piece full front end with grille cutout. For Road use. Order as MS105



12. Pair of brace bars which bolt to front subframe, using one of the existing holes where front panel originally mounted and then bolted to the inner wings. For use with front end shown as item No. 10 & 11. Order as MS106



Proud sponsors of the London to Brighton Mini Run



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67 Speedos and Gauges



Speedo Cables

1. Speedo cables with grey plastic ends were fitted to all Clubman body shape Minis and also 1980-88 Minis with Smiths twin type clock, positioned in front of the driver. No.1 ends are interchangeable with No.4 and used on many of our cables.
 - a. Early cars and L/H/D where cable length is 33" or less. Order as GSD102
 - b. Later cars where 48" cable was fitted or required pre 1990. Order as GSD415
2. Innocenti speedo 26" cable for Veglia or Jaegar clocks that have small union and nut. Order as L362120
3. Speedo cable for cars that have the original Smiths centre positioned clock with built in fuel gauge such as Minis pre 1979 and any vans. (Not Clubman).
 - a. Original cable with length of 26" Order as GSD101MS
 - b. Longer cable with length of 30" as used when converting cars post 1990 to central speedo cowl assembly. Order as 0722-30
 - c. Cable with length of 36" when moving central speedo to a position in front of driver. Order as 0722-36
 - d. Mini Moke speedo cable and also used when moving central speedo to a new location. 39" long also used on old Austin, Morris 1100/1300 style vehicles. Order as 0722-39
 - e. 48" extra long cable for specials when required. Order as 0722-48
 - f. Super long cable for some rear engine specials requiring 66" length. Also fits Austin Healey Sprites & MG Midgets. Order as 0722-66
4. Cables with white plastic ends were introduced by Rover when they started fitting the Nippon Seiki range of speedos and gauges in 1988. The grey type are interchangeable and are commonly used when looking for different lengths.
 - a. R/H/D 42.5" long Order as GSD487
 - b. L/H/D 29" long Order as GSD488
 - c. Lower section of 2 part cable 1999 on Order as GSD545
 - d. Upper part of 2 part cable R/H/D 1999 on Order as GSD546
 - e. Upper part of 2 part cable L/H/D 1999 on Order as GSD547

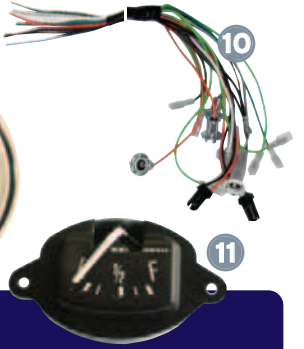
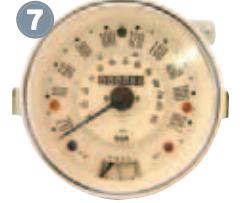


Smith's Speedos

- Original Cooper "S" speedo housing and parts.
5. a. Black plastic fascia casing, bare. Order as 24A2702
 - b. Oval beading. Order as 14A9907
 - c. Clips for oval beading (qty 14 required). Order individually as 14A9796
 6. a. Black face 130mph speedo with fuel gauge and voltage stabiliser fitted for 3.4 final drive ratio. Order as 13H4442
 - b. Magnolia face. Order as 13H4442MG
 7. a. Black face 200kph speedo with fuel gauge and voltage stabiliser fitted for 3.4 final drive ratio. Order as 13H4444
 - b. Magnolia face. Order as 13H4444MG
 8. a. Black face - Temperature gauge, electrically operated with C.N.H reading. Order as 13H4460
 - b. Magnolia face. Order as 13H4460MG
 9. a. Black face - Oil gauge, mechanical with 0-100 lb/sq.inch reading. Order as 13H4459
 - b. Magnolia face. Order as 13H4459MG
 10. Central clock conversion harness. Order as PM05
 11. a. Black face - Fuel gauge for central speedo from 1964 on when voltage stabiliser is fitted. Order as 13H2133
 - b. Magnolia face. Order as 13H2133MG



Note: Speedo calibration set for original 10" wheel Cooper 'S' transmissions



Smith's Gauges

0 - 80 x 100 electronic impulse tachometer (fits 80mm Pod No. 12)



Order as SIB120 Order as SIB120MG

Ammeter with 60-60 Scale



Order as SIB320 Order as SIB320MG

Oil temperature gauge mechanical fitting (racers fit to sump plug location using HPS8 union. P68 No.23)



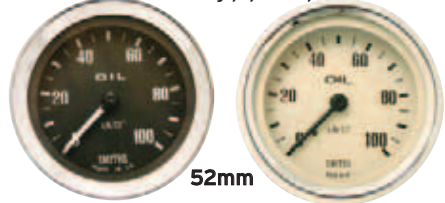
Order as SIB420 Order as SIB420MG

0 - 100 x 100 electronic distributor/coil sensed tachometer (fits 80mm Pod No. 12)



Order as SIB122 Order as SIB122MG

Oil pressure gauge 0 - 100lb/in" oil connecting pipe required



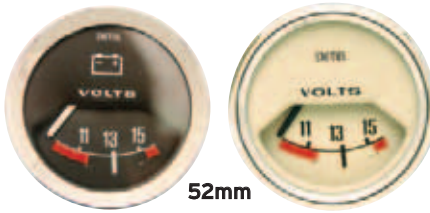
Order as SIB521 Order as SIB521MG

Water temperature 30 - 110° centigrade, with 6" 6" capillary mechanical fittings



Order as SIB422 Order as SIB422MG

Voltmeter



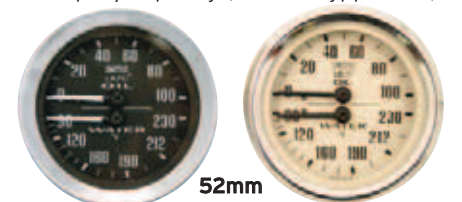
Order as SIB220 Order as SIB220MG

Electric clock



Order as SIB110 Order as SIB110MG

Dual oil pressure/water temperature gauge with capillary temp fittings (oil connecting pipe needed)



Order as SIB130 Order as SIB130MG

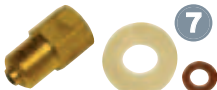
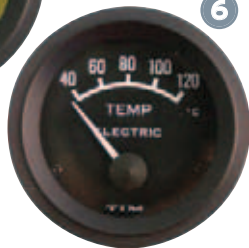




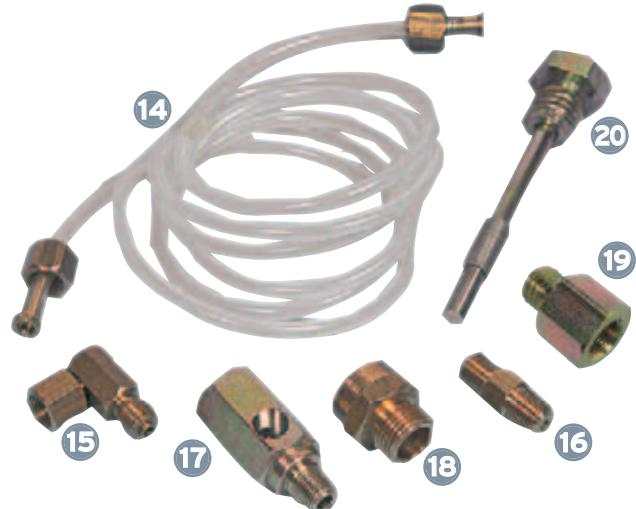
Tim Gauges

Tim gauges have black rims (chrome accessory rim available) and glare free internal illuminations, complete with fitting instructions. All gauges are 52mm (2 1/16") diameter except 80mm diameter tachometers.

1. **Ammeter gauge with 60-60 amps grading** for use with alternator only. Can be used for 6 or 12 volt systems with either positive or negative earth. *Order as TIM004*
2. **Water temperature gauge with 40-120 degree centigrade calibration.** This is a mechanical movement gauge which comes complete with 57" long metal capillary tube. *Order as TIM005*
3. **Oil pressure gauge with 0-100 lbs calibration,** complete with copper pipeline and 'T' piece fittings. *Order as TIM006*
4. **Battery voltmeter gauge,** warns you of electrical or charging defects, low battery condition. *Order as TIM007*
5. **Vacuum performance gauge,** mechanical movements and coloured segments indicating performance with 0-30 ins/hg scale. *Order as TIM008*
6. **Electrically operated temperature gauges with 40-120°C centigrade scale.** For negative earth only. *Order as TIM034*
7. **Adaptor for oil gauge** if a plastic hose is preferred to original metal type. *Order as LMA017*
8. **Tachometer with 0-80 RMP x 1000 scale 80mm (3 1/8") diameter pod mounted** for fitting on or under dash. Suitable for 4, 6, 8 cylinder petrol engines with negative earth. *Order as TIM011*
9. **Tachometer 0-8 RMP x 1000 scale. But this is the small 52mm diameter for dash installation.** Easy to fit suitable for 4, 6, 8 cylinder with negative earth for petrol engines only. *Order as TIM014*
10. **Chrome bezel to fit all 52mm gauges** only. *Order as TIM023*
11. **A dash mounting pod to hold any 52mm gauge**. *Order as TIM039*
12. **POD to fit 80mm tachometer.**
 - a. Black. *Order as SIB800*
 - b. Chrome. *Order as SIB801*
13. **Black metal bezel for holding 52mm gauges. Single hole**. *LMA049*



Capillary Pipes & Fittings



14. **5 ft plastic oil pipe**. *Order as OL*
15. **Angled oil pipe adaptor for fitting in confined spaces** to eradicate damaging oil pipe. *Order as OAA*
16. **Oil gauge adaptor for fitting into block or T-piece**. *Order as OAA*
17. **'T' piece for fitting to block enabling oil gauge and switch** to be used together. *Order as TP*
18. **Temperature gauge adapter for fitting cylinder head or thermostat housing with take off,** already supplied with TIM gauges, but useful for SMITHS and other makes. *Order as TES*
19. **Capillary take-off sump plug.** This is the sump plug required to fit a capillary type Smiths oil temperature gauge, as used by racers. *Order as HPS8*
20. **Magnetic sump plug with extension to collect all magnetic debris** in the gearbox. *Order as DPI*

Oil Switches

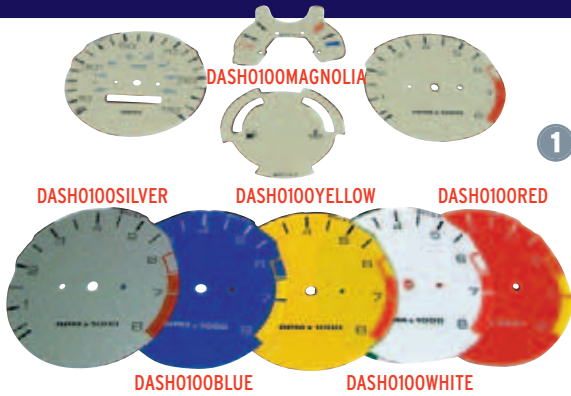
21. **a. Standard replacement oil switch** that activates between 7-10LB. *Order as GPS133*
- b. Oil pressure switch** that triggers off when oil pressure drops below 22LB. *Order as HPS1*
22. **Oil pressure adjustable switch** that activates between 15-60lb as required. *Order as HPS3*
23. **Oil Pressure Switch** fitted from 1996 on. *Order as GPS135*
24. **Oil temperature transducer.** Fitted as standard on all twin point cars from 1996 which have electrical oil temperature gauge, this transducer switch replaces the oil pressure release cap on the engine block. *Order as YCB100320*



It's your hard work that keeps Minis on the road. Carl restored his Mini in between June 2008 - August 2009.



Coloured Dial Kits



1. Coloured dial kits. Brighten up your dash with these dial colour conversion kits, available for 2 or 3 clock versions in magnolia silver, blue, yellow, white and red. Fits Nippon Seiki clocks only from 1988 on. Also available in green . . . Order as DASH0100 + COLOUR

Wooden Dashboards & Trim



2. Wooden dashes are available in burr walnut or charcoal grey with 2 or 3 clock holes and R/H/D or L/H/D. The 3 clock versions are also available with 3 extra gauge holes above the radio blanking cover.

	Charcoal Grey	Burr Walnut
a. 2 clock R/H/D	DASH019	DASH003
b. 2 clock dash L/H/D		DASH004
d. 3 clock R/H/D	DASH009	DASH005
e. 3 + 3 extra clock R/H/D	DASH010	DASH006
f. 3 clock L/H/D	DASH011	DASH007
g. 3 + 3 extra clock L/H/D	DASH012	DASH008
3. Door and rear side window cappings. Sold as a set of four only	Charcoal MSA0200	Burr MSA0191
4. Door pull handles, burr walnut finish	Order pair as MSA0192	
5. Door opening handles, Burr walnut finish	Order pair as MSA0193	
6. Door window winder handles, burr walnut finish	Order pair as MSA0194	
7. Handbrake grip, burr walnut finish	Order as MSA0195	
8. Gearlever knob, burr walnut finish	Order as MSA0196	

Wooden Switch Surround



- Burr Walnut inserts to compliment dashboards.
9. For use when heater and manual choke are used.
- a. With 5 rocker switches Order as YSP025
 - b. With 4 rocker switches(not shown) Order as YSP024
10. For use on fuel injected models with hole for heater cable only.
- a. With 5 rocker switches Order as YSP026
 - b. With 4 rocker switches(not shown) Order as YSP027

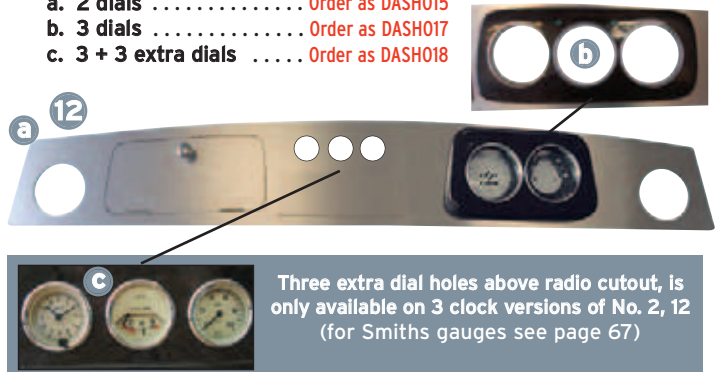
Central Speedo Dash



11. Dash with central speedo hole and 2 gauges as per original Cooper's made to only fit with wide top dash pads as fitted to all late cars, ie. When changing from speedo cluster in front of driver to central position but converting to old type speedo.
- a. Central speedo burr dash 1985 on Order as DASH001
 - b. Central speedo charcoal grey 1985 on Order as DASH002

Brushed Alloy Dashboards

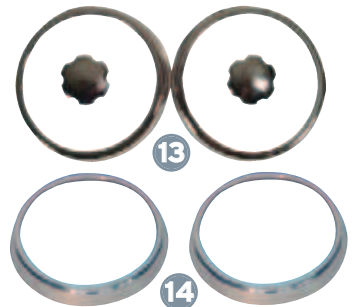
12. Wooden dash with a brushed alloy finish covering. Dark charcoal grey wood effect on clock housing. Only available in R/H/D.
- a. 2 dials Order as DASH015
 - b. 3 dials Order as DASH017
 - c. 3 + 3 extra dials Order as DASH018



Three extra dial holes above radio cutout, is only available on 3 clock versions of No. 2, 12 (for Smiths gauges see page 67)

Air Vent Trims

13. Chrome on plastic 4 piece kit to fit air vents. Includes air vent knob covers. A favourite for cars with wooden dashes. Order as MSA0212
14. Set of two stainless steel air vent covers. These will enhance any dash board and can be used on either wooden or brushed alloy dashes. Order as MSA0210



NOTE: All have to be stuck on

Carbon Fibre Dash



15. Carbon Fibre faced dash. Only available in right hand drive with 3 clock cluster as shown Order as DASH020
16. Carbon Fibre faced cappings Order as MSA0300



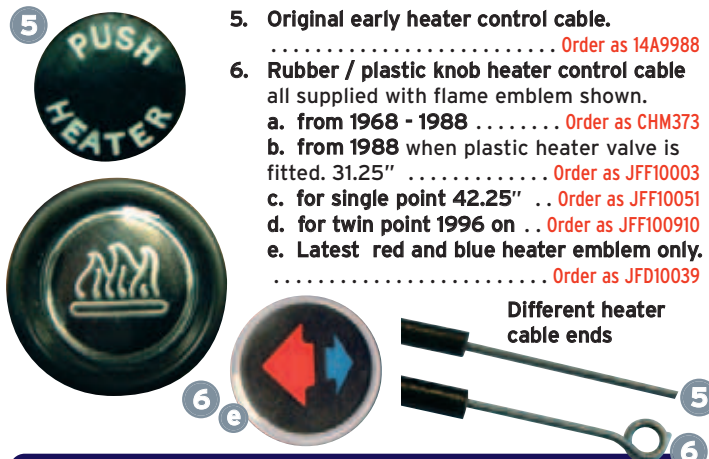


Choke Control Cables & Knob



- 1. Original early locking choke cable - when twin carbs, as per Cooper Order as 21A1204
- 2. Original early Mini choke cable. Order as 21A1202
- 3. Rubber / plastic -twist to lock- choke cable. Order as 21A2329
- 4. a. Rubber / plastic -ratchet type- locking choke cable 31" long Order as SBF10027
b. As above but 36" long for 1300cc 1990 onwards Order as SBF10031

Heater Control Cable & Knob



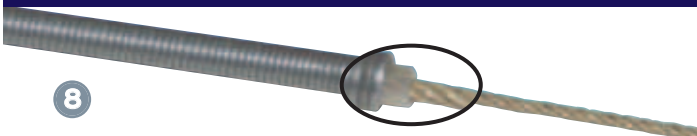
- 5. Original early heater control cable. Order as 14A9988
- 6. Rubber / plastic knob heater control cable all supplied with flame emblem shown.
a. from 1968 - 1988 Order as CHM373
b. from 1988 when plastic heater valve is fitted. 31.25" Order as JFF10003
c. for single point 42.25" Order as JFF10051
d. for twin point 1996 on Order as JFF100910
e. Latest red and blue heater emblem only. Order as JFD10039

Bonnet Release Cables



- 7. Bonnet release cable. Fitted as standard, injection cars on.
a. Bonnet release cable & knob. Order as FSE10020
b. Internal bonnet release kit, as fitted to all the late Minis. The kit includes a new catch with bolts, correct length cable and bracket to fit under the end of the parcel shelf. (Not Clubman). Order as GS130273

Accelerator Cables



- 8. a. ST single throttle cable, over 5" longer than standard with a nylon inner sleeve to prevent sticking. Inner cable has a crimped ends to prevent fraying. Ideal for Weber or SU fittings. Order as C-AHT85
b. Standard production accelerator cables all Minis up 1990 with plain cable R/H/D Order as NAM7914
c. Minis 1990 on with white plastic fixing shroud R/H/D. Order as SBB10099
d. Minis 1990 on with white plastic fixing shroud L/H/D. Order as SBB10126
e. Single point injection cars R/H/D Order as SBB10187
f. Single point injection cars L/H/D Order as SBB10186
g. Twin point injection cars R/H/D Order as SBB103400
h. Twin point injection cars L/H/D Order as SBB103720

Gear Lever Knobs



- 9. Burr walnut gear lever knob with latest Mini emblem. Order as MSA0196
- 10. Round alloy gear lever knob Order as BG8110
- 11. Round alloy gear knob with recess to fit emblem Order as BG8114
- 12. Original Mini gear lever knob pre 1973 Order as 22G110
- 13. Plain wood gear lever knob, Order as MSA0198
- 14. Wood gear lever knob, with recess for stick-on emblems. Order as BG2602
- 15. Leather gear lever knob, with recess for stick-on emblems. Order as BG2702
- 16. Series 500 Gearknob fits all manual Minis Order as BG8111
- 17. Speedwell gearknob Order as BG8118
- 18. Speedwell gear lever extension supplied complete with locking nut as shown. Order as BG8119

Gear Knob & Keyfob Emblems



- 19. Stick on emblems, suitable for any recessed gear knobs, key fobs or steering wheel bases.
a. Union Jack Order as MSA2004
b. BMC motif Order as MSA2008
c. GT Order as MSA2006
d. Austin Order as MSA2005
e. Mini Order as MSA2003
f. Cooper Order as MSA2007
g. 5 Speed Order as MSA2000
h. Mini Cooper laurel Order as BADGE0002
i. Classic Mini logo Order as BADGE0003

Keyfob

- 20. Black leather keyfob to attach any of the motifs shown above. Motifs sold separately. Order as MSA2105



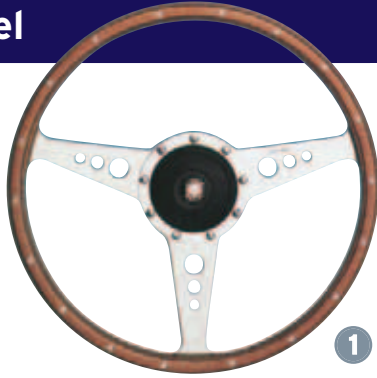
Mini Spares are sponsors of the Mighty Mini Racing Championship. For more details see www.mightyminis.co.uk or www.minispares.com



71 Steering Wheels & Bosses

Moto-Lita Wheel

Classic Woodrim Wheels. Since the 1950's MOTO-LITA have been designing and hand building custom steering wheels. Aston-Martin, Cooper Car Co, Caterham, MG Car Co and Rover are just a few of the companies who have chosen MOTO-LITA steering wheels for their handmade, enhanced driving comfort, and functional good looks.



MOTO-LITA steering wheels are designed and handbuilt in England by British craftsman. Are all completely hand finished with finger notches carved into the under side.

1. 13" dished spoke MK3 with holes (without boss) . . . Order as MLW1116-13

Retro Cooper Wheel

2. Retro 13" Steering Wheel. Has billet centre boss reminiscent of the old classic Cooper type (supplied with boss) Order as SWAB001



Bosses

3. Boss to fit Mountney steering wheels. One black centre boss to fit all our Mountney Classic range with black or brightwork screws for customer's own choice. Has a centre horn push facility for early cars Order as SWABC
4. Mota-Lita adaptor bosses
 - a. Mota-Lita horn push 59-67 MK1 Order as MLW1117B1HM
 - b. Mota-Lita horn push 67-69 MK2 Order as MLW1117B1M
 - c. Mota-Lita horn push 70-75 MK3 Order as MLW111725M
 - d. Mota-Lita horn push 76> MK4 twin stalk Order as MLW111745M



For cars 1989 on there is only one indicator cancelling pin, match the boss to the existing wheel and remove the unwanted pin.



5. Multi hole boss adaptor kit to fit all Mountney 'M' range of steering wheels plus Momo, Jamex, BBS, Sparco and others. Order as SWABM

'Snap-off' Boss Assembly

6. Genuine Raid snap off steering wheel boss. Designed for instant removal of steering wheel as an effective anti theft device. No wheel, No steal! Will fit M range wheels (No.14), Momo, Jamex, BBS and Sparko. Will not fit Mountney Classic wheels. . . Order as SWABS



Please note that none of the steering wheels shown here are suitable for use on Air Bag Steering Wheels (1996 on)



Shane's Australian Cooper S

Mountney Classic Wheels

7. Black centre 3 spoke 12" leather semi-dished wheel only (without boss). Order as 23SBLB
8. Polished centre 3 spoke 12" semi-dished steering wheel (without boss). Order as 23SPLB



9. 13" diameter 3 spoke, semi dished steering wheel with dark wooden rim, polished centre. (without boss). Order as 353SPW



10. a. Black centre 3 spoke 13" with slots, leather semi-dished steering wheel (without boss) . Order as 33SBLB
b. Polished centre 3 spoke 13" with slots, leather semi-dished steering wheel (without boss) . Order as 33SPLB



11. a. Classic 1960's and 1970's look. Polished centre 3 spoke 13" with holes, leather semi-dished steering wheel (without boss) Order as 33SPLBH
b. With black centre (without boss) Order as 33SBLBH

12. a. Black centre 4 spoke 13" leather semi-dished steering wheel (without boss) Order as 34SBLB
b. Black centre 4 spoke 14" leather semi-dished steering wheel (without boss) Order as 44SBLB



Mountney M Range

13. M range black moulded 3 spoke black centre, with perforated hand grip areas 340mm diameter. (without boss) . . . Order as M34M3P

This is the steering wheel required to use the snap off boss assembly (No.6) or can be used with original M Range boss (No.5)



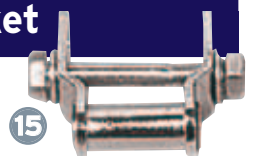
Horn Push Assembly MK1

14. a. Horn push assembly with Austin emblem. Order as 27H6943
b. Horn push assembly. Note, Morris horn push is no longer available but for horn push less the centre motif . . Order as 27H6944



Steering Column Bracket

15. Steering column lowering bracket. Suitable for all pre airbag models (pre 1996). Order as BG5101MS





Soundproofing



Soundproofing for Mini firewall with fire retardant backing

1. Bulkhead fire wall sound deadening piece for MK3 cars, 1970 onwards..... Order as CZH798

2. Bulkhead fire wall sound deadening piece for MK1/2 and vans etc. Order as 24A280

3. a. Front and rear set of shaped floor sound deadening felts with the front wheel arches. Order as FELT01
b. Roll of fire retardant felt (1 x 1.37 metre). Order as FELT
c. Tub of felt adhesive (250ml) ... Order as FELT860



4. Bonnet insulation kit Includes 4 segments to fit in between stiffener supports under bonnet sound insulation keeps engine noise from entering driving compartment. Order as 47H9615



5. Three part soundproof kit. Includes the tailored floor kit with front wheel arches, plus the bonnet and bulk head pieces, great for reducing road noise on old cars or replacing lost or worn out pieces.
a. For MK1/2 Minis pre 1970 (items no. 2,3a&4)..... Order as MS90
b. For MK3 Minis 1970 on (items no. 1,3a&4) Order as MS91

6. Sound proofing pads 8x19" approx. Stick on (commonly used in doors & roof). Order individually as PT4008



Car Covers



7. Custom fitted car covers with under body straps, double stitched & elasticated hems. Comes with storage bag.
a. Heavy duty Outdoor Mini Saloon car cover. Totally waterproof, vented, soft lined vehicle cover with ultimate weather protection. Order as CCC101
b. Indoor Mini Saloon tailored car cover. Breathable, water resistant, light weight vehicle cover Order as CCC103

Boot Board & Liner



8. Boot Board, black carpet with edge piping.
a. fits with 5.5 gallon single tank pre 1974 Order as CCC110
b. fits with 7.5 gallon single tank 1974 to injection. Order as CCC111
c. fits with 5.5 gallon twin tank Order as CCC112
d. fits all injection cars. Order as CCC113
e. original type boot board brackets and rubber buffers. Order as CCC115



9. Plastic boot load liner, sturdy, lightweight and easily removable. This liner is tailor made for cars from 1974 on with larger 7.5 gallon petrol tanks. Keeps your luggage clean and helps to stop small items rolling around, by having a box section for de-icer, tools and polish, etc Order as EBF100150
10. Boot liner kit. Made from heavy duty board with hard wearing water & mud resistant carpet. Fits 7.5 gallon fuel tank. 1974 on.
a. Red. Order as CCC119
b. Black Order as CCC118



11. Bootlid internal liner panel for insulation and protection of bootlid from dents and scrapes. Fittings included. Order as 14A9838

Speaker Board



12. Speaker Board with 6" x 9" oval cut outs in wood, carpeted completely. Fits under rear seat.
a. Red. Order as CCC117
b. Black Order as CCC116



Load Cover

13. Mini pickup flat tilt cover. Supplied with eyelets & fittings for custom installation. Black only Order as 14E3062



Spare Wheel Cover



14. Soft material. For cars with wheel well for carrying spare in horizontal position. 10" and 12" wheels only Order as CK902
15. Battery box cover Order as 5L877
16. Strap for battery box cover Order as 14A7776



73 Carpets, Mats and Trim



Heavy Duty Overmats



Heavy duty specially tailored overmats with either Mini, Mini Cooper or Mini Spares Logo as shown. Complete set front and rear.

- 1. 'Mini Cooper' emblem Order pair as CARPET13
- 2. 'Mini' emblem Order pair as CARPET12
- 3. 'Mini Spares Logo' emblem Order pair as CARPET11



4. Cannon Rubber Overmats. Non slip back for extra safety. Set of low cost rubber overmats to protect carpets. Grey carpet has heel pad on drivers side, front mats are tailored for 2 sizes with easy cutting groves for exact fit. Sold as a set of 4 (as shown).
..... Order as EAH104380

5. Square rubber mats for rear (not shown).
..... Order individually as GAC181

Carpets Sets

- 6. Universal Carpet sets with two heel pads. (gear lever hole needs cutting).
 - a. Grey with edge beading Order as CARPET03
 - b. Red with edge beading Order as CARPET05
 - c. Black with edge beading Order as MS126
 - d. Blue with edge beading Order as CARPET06
 - e. Dark grey carpet without edge beading Order as CARPET02



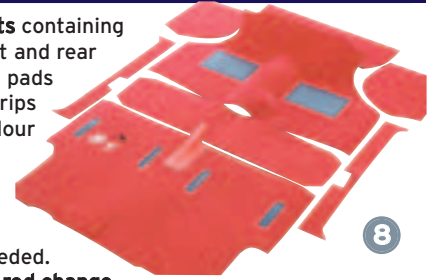
Carpets Fixings

- 7. A car set of the original prongs, plates and floor studs to enable fitting the carpets properly.
..... Order as CARPET01



Deluxe Carpet Sets

Complete deluxe carpet sets containing shaped and contoured front and rear carpets complete with heel pads either side, seat rubbing strips and handbrake gaiter in colour keyed material. Also contains wheel arch carpet and side panels. With Soundproof backing already attached where needed.

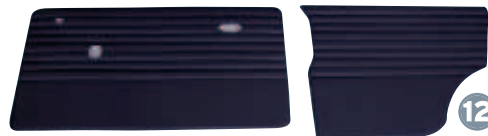
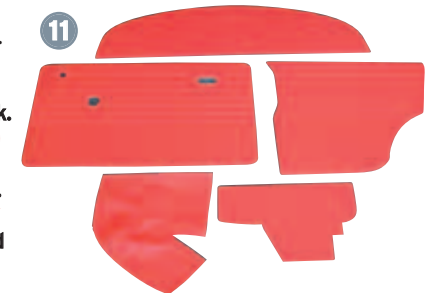


- 8. For cars 1959-1973 pre rod change gearbox. Gear lever hole needs cutting.
 - a. Black . . . Order as CK960A
 - b. Red . . . Order as CK960M
- 9. Pre shaped for cars 1973 on with rod change gearbox tunnel.
 - a. Black . . . Order as CK962A
 - b. Red . . . Order as CK962M
 - c. Grey . . . Order as CK962P



Interior trim

- 10. MK1/2 Interior trim for Mini (not shown. As No. 11 with dash trim)
 - a. MK1/2 13 piece interior trim kit in black. Order as MSSK1010
 - b. MK1/2 13 piece interior trim kit in grey. Order as MSSK1010GREY
- 11. MK3 Interior trim in old classic Mini style (as shown).
 - a. MK3 Windup window 9 piece trim black kit Order as MSSK1007
 - b. MK3 Windup window 9 piece trim grey kit Order as MSSK1008
 - c. MK3 Windup window 9 piece trim red kit Order as MSSK1009



- 12. MK3 Windup window 4 piece black, door and rear sides only trim kit. Black only. Order as MSSK1011
- 13. Rear parcel shelf in black only. Order as ALE3153

Dashliners



- 14. For central speedo type with 2 gauges pod.
 - a. Black painted without air vents Order as VGA4192
 - b. Black painted with air vents Order as VGA4188
 - c. Black vinyl covered with air vents Order as ALE2928
 - d. Black vinyl covered without air vents Order as ALE2927
 - e. Central speedo, single clock as per van black painted without air vents. Order as VGA4187
 - f. Black Painted for 3 clock type dash with the offset clocks. (Right Hand Drive) Order as DT3047A
- 15. Lower dash parcel shelf black liner Order as VGA1995





Interior Trim Pads

- 1. Handbrake black vinyl gaiter. Order as CK989
- 2. Lower black dash rail crash pad fitted from 1967-80 . Order as ALA6621



- 3. Lower black dash rail crash pad. 1980 on Order as FCS100030PMA

NOTE: We can also supply all Newton Commercial Trim Products. Please phone for details

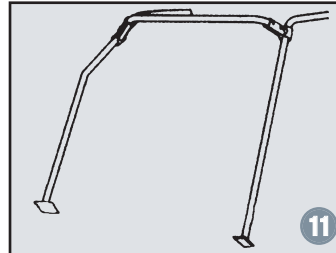
Visors, Headlinings & Rails

- Headlinings (ready shaped material only) (Not shown).
- 4. a. Headlining kit with rear corners for MK1/2. Order as 5D4085
b. Headlining clips. Pack of 20 Order as C707
- 5. Headlining kit with rear corners for MK3 1970 on.
a. In white Order as PAM5401AP
b. In grey Order as PAM5401LNG
c. In black Order as PAM5401BLACK
- 6. Headlining support rails for MK3 1970 on. Colour coded.
a. No. 1 rod. Red ends Order as EEB100060
b. No. 2 & 3 rod. White ends Order as EEB100070
c. No. 4. rod. Black ends Order as EEB100080
d. No. 5. rod. Blue ends Order as EEB100090
e. No. 6. rod. Yellow ends Order as EEB100100
- 7. Sun visor. All have black internal side.
a. White external and mirror. Order as SV2017W
b. White external no mirror . . Order as SV2016W
c. Grey external and mirror . . Order as SV2017P
d. Grey external no mirror . . . Order as SV2016P
e. Sun visor fitting kit. Car set. Order as SV2021
- 8. Complete car set Includes all headlining, rails, visors & visor fittings above.
a. White kit Order as HL3035W
b. Grey kit Order as HL3035P
- 9. Sunvisor for early Minis. Cream crackle finish for 1962-1964 Minis. Order as SV2000C

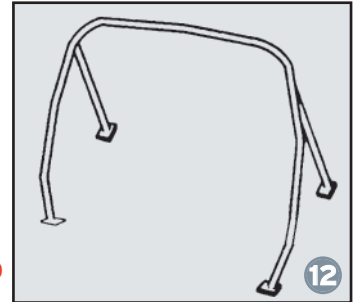


Roll Cages

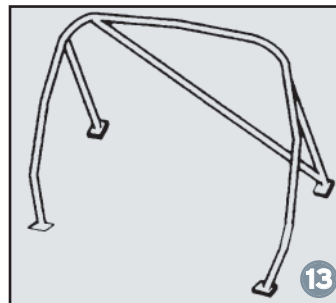
All cages are by the leading manufacturer Safety Devices and are to FIA approved standard, except where stated.



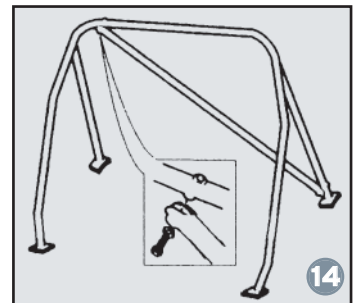
- 11. a. Front Cage Order as C-STR237SD
b. Roll Cage Dash bar, an optional item can be fitted to above, as per Mighty Mini Spec Order as C-STR53SD



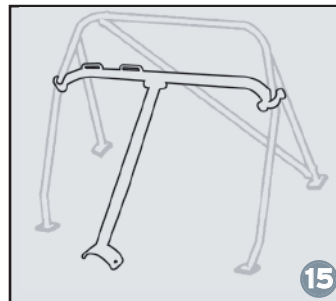
- 12. Rear Cage. No Diagonal. NOT FIA approved. Order as C-STR47SD



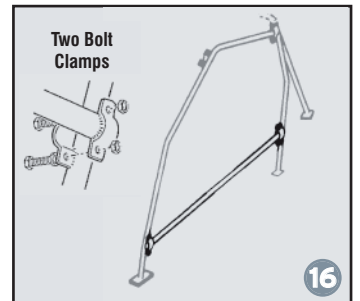
- 13. Rear Cage Fixed Diagonal.
a. R/H drive . Order as C-STR48SD
b. L/H drive. . Order as C-STR50SD



- 14. Rear Cage. Removable Diagonal.
a. R/H drive . Order as C-STR49SD
b. L/H drive . Order as C-STR51SD



- 15. Harness bar has been developed to fit 13 & 14 Roll Cage for the Mighty Mini Race series . Order as C-STR52SD



- 16. Door Bar Single with two bolt clamps Order as C-STR238SD Safety Devices Roll Cages utilise two bolt clamps.

Roof Rack

- 10. Roof rack by Paddy Hopkirk. Two cross bars clamp to the rain gutters for easy installation. High quality modern design will not work loose or damage paintwork while carrying bulky items. . Order as 405U



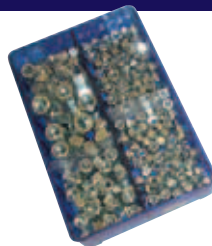
Fixings, Fasteners, Nuts & Bolts

All nuts, bolts and washers are also available separately. See individual item code listed below.



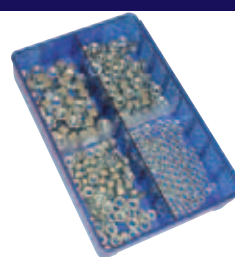
Assorted high tensile setscrews, UNF sizes 3/16" to 3/8". Zinc plated. . . . Order box as GMS114

Description	Box Qty	Item Code
3/16" UNF x 1"	30	N/A
1/4" UNF x 3/4"	25	GFK5179
1/4" UNF x 1"	20	GFK5180
1/4" UNF x 1 1/2"	15	GFK5181
5/16" UNF x 3/4"	25	GFK5184
5/16" UNF x 1"	15	GFK5185
5/16" UNF x 1 1/2"	10	GFK5186
3/8" UNF x 1"	10	GFK5191



Assorted "P" type nylon insert locknuts, UNF sizes 1/4" to 1/2". Zinc plated Order box as GMS116

Description	Box Qty	Item Code
1/4"	80	GFK3321
5/16"	60	GFK3322
3/8"	40	GFK3323
7/16"	20	GFK3324
1/2"	20	GFK3325



Assorted plain steel nuts, UNF sizes 3/16" to 3/8". Zinc plated. . . . Order box as GMS115

Description	Box Qty	Item Code
3/16" UNF	110	GFK3210
1/4" UNF	80	GFK3211
5/16" UNF	70	GFK3212
3/8" UNF	40	GFK3214



Assorted flat washers, sizes 3/16" to 1/2". Zinc plated. . . . Order box as GMS126

Description	Box Qty	Item Code
3/16"	200	GFK1112
1/4"	200	GFK1113
5/16"	200	GFK1114
3/8"	100	GFK1115
7/16"	50	GFK1116
1/2"	50	GFK1117





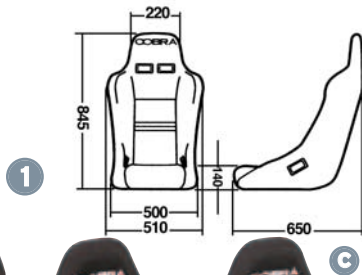
COBRA SEATS

Minispares only stock seats from the Cobra seating range. As Cobra have over 20 years experience making them the market leader in producing original and after market Mini seats. Black cloth and black vinyl seats are usually held in stock, but other colours and different piping can be specially ordered. All vinyl seats are more expensive. Note: Seat prices do not include subframes or headrests unless stated.

New Clubman Range



CLUBMAN

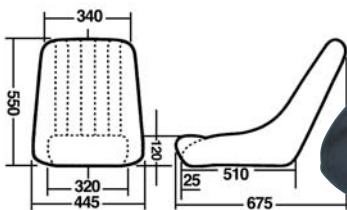


Fixed back, fast road, bucket seat. styled by Jordan Bennett, the New Clubman is a massive leap in quality and style, yet still represents a true value for money sports seat. Improvements to the frame and cushioning ensure unparalleled comfort and support.

- Tubular steel construction
- Integral headpad and shoulder supports
- Deep sided bucketed support
- Silver coloured harness slots
- Perforated vinyl headpad and side patches
- Integral lumbar support cushion
- Four point harness facility
- Outline embroidered badge in silver on headpad
- Base mounted using Cobra base frames

- a. Black and black cloth with vinyl armrests Order as SEAT03
 - b. Black vinyl all over. Order as SEAT03V
 - c. Blue and black cloth with vinyl armrests Order as SEAT03BLUE
 - d. Red and black cloth with vinyl armrests Order as SEAT03RED
 - e. Grey and black cloth with vinyl armrests Order as SEAT03GREY

Speedwell Seats



- a. Black nylon bucket seat with Speedwell logo embroidered onto the seat. Order as SEAT12
 - b. Black vinyl bucket seat with Speedwell logo embroidered onto the seat. Order as SEAT13

Available to special order with headrests.

Cub Range

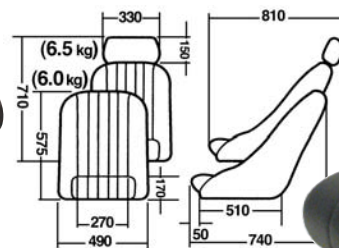


Special narrow traditional fixed back seat. Based upon the classic theme, the Cub seat has been specially designed to work where space is at a premium.

- Retro compact styling
- Extra narrow for specialised fittings
- Lower base cushion for height restricted vehicles
- Tubular steel construction
- Low back for traditional sports and vintage cars
- Mounts to Cobra slides or directly to floorpan

- a. For black nylon covered Order as SEAT02
 - b. For black vinyl covered Order as SEAT02V
 - c. For grey vinyl covered. Order as SEAT02VGREY
 - d. For red vinyl covered (special order only).... Order as SEAT02VRED
- For black vinyl covered with head rest. Order as SEAT04

Classic Range



Fixed back traditional bucket seat. A low cost, entry level bucket seat, styled and constructed in a traditional manner. Deep sides and a low back ensure good comfort and support without the restrictions of a larger seat.

- Traditional fixed back bucket seat for fast road use
- Deep sided bucketed support
- Retro compact styling
- Tubular steel construction
- Deep cushioning for comfort
- Low back for traditional sports and vintage cars
- Based mounted using Cobra base frames.

- a. Black nylon & no piping. Order as SEAT01
 - b. Black vinyl & no piping. Order as SEAT01V
 - c. Black vinyl & black piping. Order as SEAT01VPIPING
 - d. Red vinyl & no piping. Order as SEAT01REDV
 - e. Grey vinyl & no piping. Order as SEAT01VGREY
- a. Black nylon & no piping. Order as SEAT11
 - b. Black vinyl & no piping. Order as SEAT11V
 - c. Black vinyl & black piping Order as SEAT11VPIPING

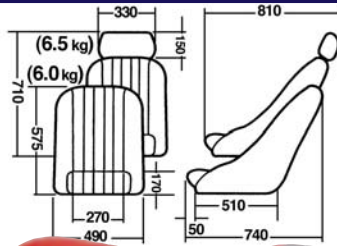




Classic Range - Special Order Trim

1. Other colours and piping combinations are available to special order only. Please call or email for details of delivery times and special order costs.

Note: Leather seats available in all colours.



Black vinyl with red piping and headrest

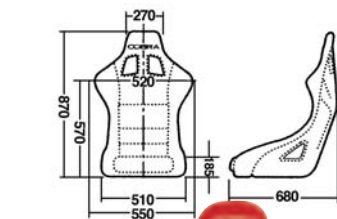
Red vinyl with red piping and no headrest

Red and Grey vinyl with grey piping and no headrest

Available in any one or two colour combinations of colours below.

Nylon colours:	Vinyl Colours:			
• Black	• Black	• Red	• Grey	• Yellow
• Royal Blue	• Royal Blue	• Tan	• Magnolia	• Purple
• Red	• Navy Blue	• Ivory	• White	• Violet
• Grey	• British Racing Green	• Burgundy		
• Yellow	• Metallic Silver	• Orange		

Monaco Competition Range



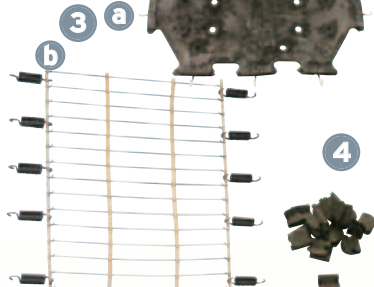
FIA Certified and approved for use in motorsport.

- Compact styling
- Lightweight
- Slotted for use with competition harnesses
- Ultra strong construction
- Reinforced shoulder and side pads
- Mounts using Cobra competition seat mounts

2. Monaco competition seat cloth black Order as SEAT14
Available to special order in grey or red.

Seat Webbing

3. Seat webbings.
 - a. Front seat base rubber. 1959-92 Order as CZH3508
 - b. Front seat base. 1959-92 ... Order as CZH3508MS
 - c. Front seat base, 1993 on Order As HGD100150
 - d. Front seat squab, (back), 1959-80..... Order As C708
4. Seat upholstery to frame clips. Pack of 20 . Order as C707



Cobra Seat Frames

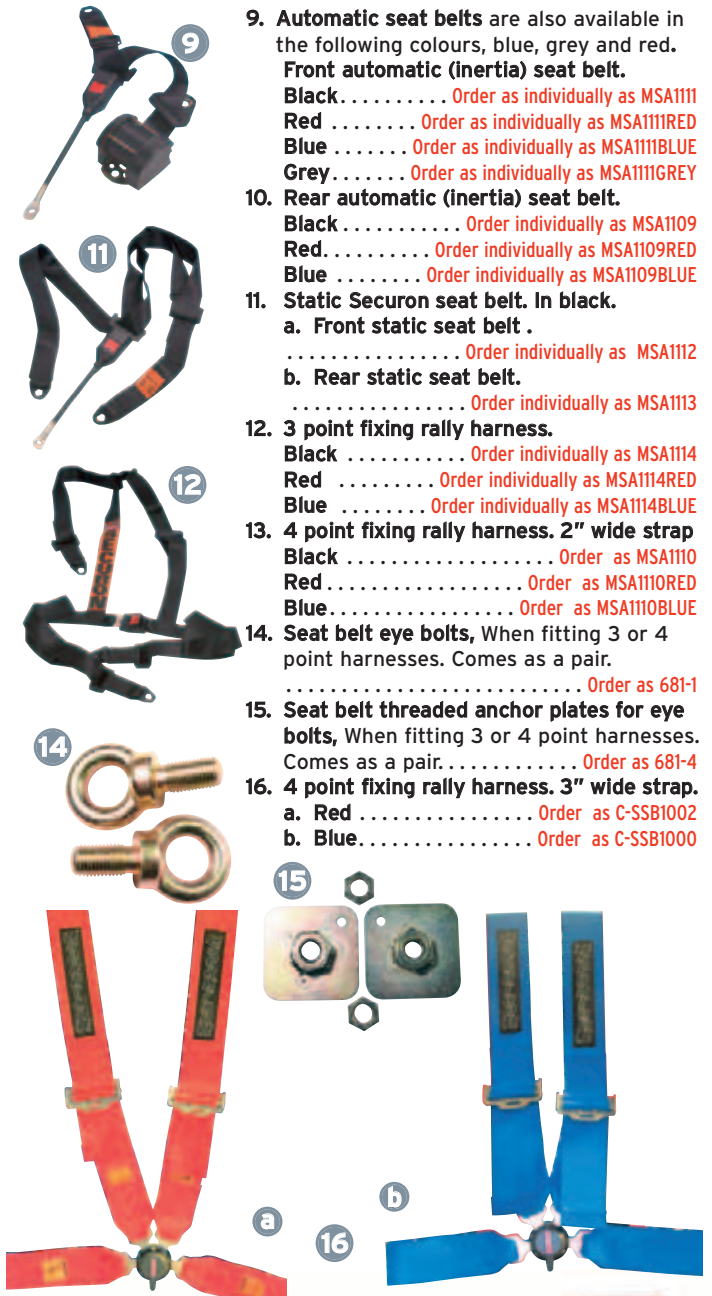
5. Mini tailored seat subframe. Order as SEAT09
6. Mini tailored seat subframe with locking mechanism to fit floor loops as fitted from 1976 and is now considered a legal requirement by some MOT testing stations.
 - a. L/H Order as SEAT10LEFT
 - b. R/H Order as SEAT10RIGHT
7. 4mm road legal size seat adjuster brackets Order pair as BG5001MS
8. Standard seat bracket. Mounts to the cross member for the fitment of original seats. Order individually as 24A1495



Seat Belts



9. Automatic seat belts are also available in the following colours, blue, grey and red.
 - Front automatic (inertia) seat belt.
 - Black Order as individually as MSA1111
 - Red Order as individually as MSA1111RED
 - Blue Order as individually as MSA1111BLUE
 - Grey Order as individually as MSA1111GREY
10. Rear automatic (inertia) seat belt.
 - Black Order individually as MSA1109
 - Red Order individually as MSA1109RED
 - Blue Order individually as MSA1109BLUE
11. Static Securon seat belt. In black.
 - a. Front static seat belt Order individually as MSA1112
 - b. Rear static seat belt. Order individually as MSA1113
12. 3 point fixing rally harness.
 - Black Order individually as MSA1114
 - Red Order individually as MSA1114RED
 - Blue Order individually as MSA1114BLUE
13. 4 point fixing rally harness. 2" wide strap
 - Black Order as MSA1110
 - Red Order as MSA1110RED
 - Blue Order as MSA1110BLUE
14. Seat belt eye bolts, When fitting 3 or 4 point harnesses. Comes as a pair. Order as 681-1
15. Seat belt threaded anchor plates for eye bolts, When fitting 3 or 4 point harnesses. Comes as a pair. Order as 681-4
16. 4 point fixing rally harness. 3" wide strap.
 - a. Red Order as C-SSB1002
 - b. Blue. Order as C-SSB1000





Specialist Tools

- Easy bleed, one person brake and clutch bleed kit.** Includes container to hold new fluid, interchangeable caps and pipe which connects to a tyre for pressure. With fitting instructions. This kit fits many cars. Ideal for changing fluid throughout the system, it makes life really easy **Order as MSA1000**
- Klikadjust is a tool made to simplify the job of adjusting valve clearance.** By using the correct size socket on the tool, clearances can be set by turning the klikadjust the amount of turns that correspond to the instructions for the clearance needed **Order as MSA1001**



- Colourtune is a glass topped spark plug which allows you to see the colour of the combustion in the chamber.** Colourtune takes the guess work out of the mixture adjustment because different fuel/air mixtures burn with different colours. Kit includes everything you need, instructions and wall chart ... **Order as MSA1002**
- Carbalancer allows both air intakes on twin and twin choke carburettors to be balanced** so they flow exactly the same amount of air. This in turn will give you better performance with a smoother engine and better economy **Order as MSA1003**
- Brake adjusting and bleed spanner** with longer handle for improved leverage has $\frac{5}{16}$ " AF and $\frac{1}{4}$ " AF closed ends. This will adjust the rear brake shoes on all Minis **Order as 660510**
- Brake adjusting and bleed spanner** with longer handle for improved leverage has a $\frac{5}{16}$ " AF open end for adjusting front brake shoes where the closed end type will not fit easily, plus a $\frac{1}{4}$ " AF hexagon closed end for the common sized rear bleed screw. **Order as BLM810**
- Windscreen beading tool.** This tool is required for fitting the chrome or black insert in the windscreen rubber or backlight rubber. **Order as TOOL02**
- The valve grinding stick is necessary for grinding in the valves** when rebuilding cylinder heads **Order as MSA1004**
 - Valve grinding paste** (not shown) **Order as MSA1005**
- Valve spring compressor** **Order as TOOL05**
- Tool for fitting & removing the bush from the external hinges** as fitted to MK1/2 and Vans etc **Order as TOOL15**
- Tool for removing the pin from external hinges** on MK1/2 & Vans. The correct shape and length centre punch. **Order as TOOL16**
- Tool for for removing RPS1416 roll pin from the gear selector mechanism** . **Order as TOOL17**
- Cup type ball joint separator**..... **Order as 660310**
- Universal grease gun** **Order as 0240**



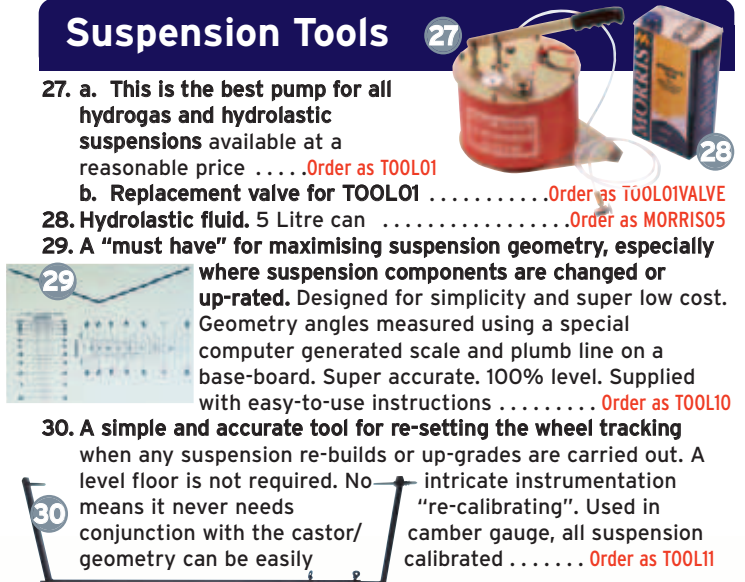
Service Tools



- Universal scissor type ball joint splitter for swivel pins,** to lower and upper arm joints, plus track rod ends. . . **Order as 660550**
- Suspension rubber cone compressor** with one threaded metric pin for vehicles from 1976 only, or any with latest metric cones **Order as TOOL07**
- Suspension rubber cone compressor** with two threaded pins, an AF threaded pin for suspension cones made before 1974 and a metric threaded pin for all suspension cones after 1976. Take care on early models, where the suspension cone might already have been changed to metric, as it is easy to crossthread the tool. Only the later metric type cone is available from Rover as a spare part **Order as 660330**
- $\frac{1}{2}$ " AF deep socket, $\frac{1}{2}$ " drive is specially made for changing swivel pin joints & will also fit the flywheel bolt.** . . . **Order as TOOL03**
 - 30mm socket for verto type flywheel** **Order as TOOL13**
- $\frac{15}{16}$ " AF socket, $\frac{1}{2}$ " drive AF socket for use on the crankshaft bolt and camshaft nut** when changing timing cover oilseal or timing gears, steering wheel & disc brake hub nuts **Order as TOOL04**
- Two piece primary gear oil seal tool,** (known as clutch seal tool). It includes the sleeve that slides over the primary gear to protect the seal membrane on the gear splines, plus the outer body that pushes the seal home square. This is achieved by using the flywheel bolt in the end and tightening. (Does not remove seal). **Order as CE12**
- Flywheel puller** that includes bolts for either early AF or metric type late flywheels **Order as CE1**
- Inboard CV (pot joint) splitting tool for removing the constant velocity joint from the gearbox** by way of driving it between as a wedge. Does not remove joint from driveshaft. . . . **Order as 18G1240**
- General purpose wedge type splitter for ball joints.** A cheaper alternative to the scissor type 660550 **Order as 660490**
- $\frac{1}{2}$ " AF flat spanner tool for the flywheel bolt** to change the clutch. **Order as BLM024**
- Rear hub puller** for extracting rear hub neatly when changing studs, wheel bearings or oil seal . **Order as 660260**
- Tool for fitting the rear wheel cylinder clip** and early single front cylinder version **Order as TOOL14**

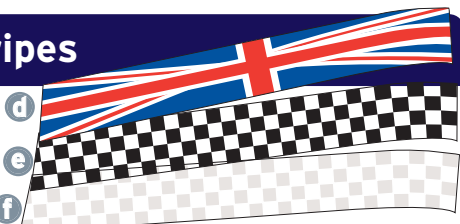
Suspension Tools

- This is the best pump for all hydrogas and hydrostatic suspensions** available at a reasonable price . . . **Order as TOOL01**
 - Replacement valve for TOOL01** **Order as TOOL01VALVE**
- Hydrostatic fluid.** 5 Litre can **Order as MORRIS05**
- A "must have" for maximising suspension geometry, especially where suspension components are changed or up-rated.** Designed for simplicity and super low cost. Geometry angles measured using a special computer generated scale and plumb line on a base-board. Super accurate. 100% level. Supplied with easy-to-use instructions **Order as TOOL10**
- A simple and accurate tool for re-setting the wheel tracking** when any suspension re-builds or up-grades are carried out. A level floor is not required. No intricate instrumentation means it never needs "re-calibrating". Used in conjunction with the castor/camber gauge, all suspension geometry can be easily **Order as TOOL11**





Bonnet Stripes



- 1. Bonnet stripes as fitted to latest Coopers. Available in pairs only (one car set).
 - a. Plain whiteOrder as MSA1120
 - b. Plain blackOrder as MSA1121
 - c. Plain silverOrder as MSA1123
 - d. Union JackOrder as MSA2221
 - e. Black & white checkOrder as MSA2220
 - f. White & clear checkOrder as MSA2219

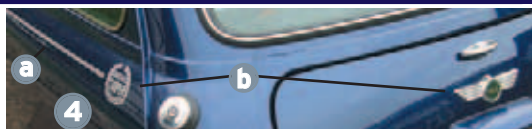
Roof Decals



- 2. Roof decals. Union Jack (only red and blue sections supplied)Order as DAF105120
- 3. a. Checkered white squares. Order as DAF105090NMN
- b. Checkered black squares. Order as DAF105090PMA

Sportspack Decal Kits

- 4. a. Sports pack decal kit less badges.



White decals, side strips, laurels & bonnet stripes . Order as MSSK2110
 Black decals, side strips, laurels & bonnet stripes . Order as MSSK2111
 Silver decals, side strips, laurels & bonnet stripes. Order as MSSK2109

b. Sportspack decal kit (white or black) with 2 badges
 White decal kit & 2 Mini emblem winged badges . . Order as MSSK2112
 Black decal kit & 2 Mini emblem winged badges . . Order as MSSK2113
 White decal kit & 2 Cooper emblem winged badges Order as MSSK2114
 Black decal kit & 2 Cooper emblem winged badges Order as MSSK2115

Authentic Stickers



- 5. Cooper laurel decal as used on late Coopers. Not original.
 - a. White decal. . Order individually as MSA1127
 - b. Black decal. . Order individually as MSA1128
- 6. a. Safety Fast rosette external. Order as TR205
- b. Safety Fast rosette for windscreen only. Order as TR206
- c. Special Tuning transfer external Order as TR207
- d. BMC rosette for windscreen only Order as TR204
- e. BMC rosette external. Order as TR208
- 7. ST tuning Abingdon badge green and white external . Order as ST153



GB Badges



- 8. British Isles badge. Stainless steel stick onOrder as DAM100691MS
- 9. Union Jack badge. Chrome look plastic stick on .Order as DAM100693MS
- 10. GB oval badge. Chrome look plastic stick onOrder as DAM100692MS
- 11. GB badge. Stainless steel stick on shaped to fit boot lid.Order as DAM100690MS



Enamelled Badges

- 12. a. Resin enamel Union Jack badge screw on typeOrder as MSA2120
- b. Stick on version no lugs.Order as MSA2119
- 13. Metal enamel Union Jack badge with MINI embossed underneathOrder as MSA2122
- 14. Union Jack & checkered flag badge stick onOrder as BADGE0001
- 15. Metal enamel St Georges badge to screw on carOrder as MSA2118
- 16. Metal enamel St Andrews badge to screw on carOrder as MSA2116
- 17. Mini 40th bonnet badge Order as DAB101600
- 18. Late type Mini emblem winged badge.Order as DAH100590MMM



Manufacturer's Plates & Stickers

Metal chassis, engine and rocker cover plates

Commission number plates (red).



Morris motors chassis plate.



Austin/Morris chassis plate.



Engine number plate.



Austin rocker cover plate.



Weslake rocker cover plate.



Morris rocker cover plate.



Chassis plate Austin Mini all MK1/2.



Tudor screen wash bottle sticker.



Mini Cooper rocker cover sticker.



Original type stick-on labels
Leyland ST rocker cover label.



Negative earth label silver/black.



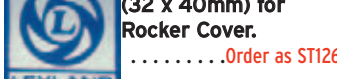
Negative earth label red.



Cooper air filter sticker.



British Leyland (Logo) (32 x 40mm) for Rocker Cover.



Morris rocker cover sticker.



Austin rocker cover sticker.



Weslake patents.



Healey valve clearance sticker. . .



79 Badges, Stickers & Keyfobs



Mini Front Badges

Austin Mini MK1 Surround .14A6837 Insert .. 24G1201

Morris Mini MK1 badge ... ADA3580

Morris Cooper & "S" MK1 badge 24A72

Austin Cooper & "S" MK1 badge 24A71

Austin Cooper MK2 Insert .. ALA6513 Surround ALA6517

New Mini Cooper in plastic DAH10036

Bonnet Surround Cooper "S" MK2 ALA6519

Cooper "S" plastic insert Austin .. ALA6514 Morris .. ALA6515

"Italian" ... "Mini" ... "Leyland" Job' A panel side DAB101130 DAB10076 CZH2717

"Checkmate" flag DAB10038 Mini silver on black CZH4378

"Mini" .. Mary Quant .1959-1989 CZH1305 DAB10001 DAB10048

Key Fobs

- Enamelled metal keyfobs.
 - 'Mini' logo black Order as MSA2124
 - 'Mini' logo blue Order as MSA2127
 - 'Mini' logo red Order as MSA2126
 - 'Mini' logo white Order as MSA2125
 - Union Jack. Order as MSA2128
 - St Andrew's flag - Scotland. Order as MSA2129
 - St. George's flag - England. Order as MSA2123
- Latest Mini emblem Order as MSA2130
- Keyfob without motif. Can attach any of the emblems shown . Order as MSA2105

MSA2004 MSA2008 MSA2006 MSA2005 MSA2003 MSA2007 MSA2000

KEYRING03 JWL1006 JWL1007

- Leather keyfob with Minispares Logo. Order as KEYRING03
- Gold plated Mini Order as JWL1006
- Antique pewter Mini Order as JWL1007

Mini Rear Badges

Surround MK2 for rear badge ALA6542

Cooper "S" MK2 plastic insert ALA6536

Austin Cooper MK2 plastic insert ALA6538

Morris Cooper MK2 plastic insert ALA6537

"Austin Mini" rear badge. ALA6622

"Mini Minor" rear badge .. ADA3730

"Morris Cooper" rear badge. 24A24

"Mini" .. 24A997 "Seven" .. 14A6853

"Wolseley" ALG571 "Hornet" ALA5013

"Mini" .. 24A997 "Seven" .. 14A6853

"MK" AVB191 "II" AVB192

"Austin" 14A6802 "Cooper" .. 24A23

"Automatic" rear badge .. 24B2639

"850" .. ALA6694 "1000" .. ALA6695

"1275" rear badge ALA6696

"Speedwell" AXE4243

Small "s" 24A1401 Large "S" 24A1402

"Clubman Estate" CZH944

"Mini 1275 GT" CZH1269

"Mini Cooper S" CZH1381

"Mini Special" CZH4016

"Mini Clubman" CZH4153

"Mini" DAH100630MMM

"Cooper" Stick on. DAH100950

"Seven" Stick on. DAH100940MMM

"Cooper Sport" Stick on. DAH100920MMM

Tax Disc Holders

- Mini Spares tax disc holder.
 - Union Jack heart Mini ... Order as TAX03
 - Union Jack style. Order as TAX01
 - Mini classic style Logo ... Order as TAX02

TAX03 TAX01 TAX02

Mouse Mats

- Computer mouse mat. Monte Carlo Order as HMP141001
- Shaped Mini Spares Union Jack heart mouse mat. .. Order as HEARTMAT

HMP141001 HEARTMAT



Mini Spares Stickers

- Mini Spares stickers "Union Jack Love Your Mini Logo." Black text on white vinyl. External use only.
 - 930 x 111mm ... **STICKER05**
 - 465 x 57mm ... **STICKER04**
 - 310 x 40mm ... **STICKER03**
 - 232 x 33mm ... **STICKER02**
 - 185 x 27mm ... **STICKER01**
- External union jack Love Heart 93x85mm **STICKER07**



mini + spares

Jewellery

- Mini tie bar, gold plated costume jewellery Order as **JWL1002**
- Large Mini badge with 2 studs, gold plated Order as **JWL1001**
- Mini cuff links, gold plated Order as **JWL1004**
- Tie bar/ Cuff link set, gold plated Order as **JWL1005**
- Mini 52cm necklace, gold plated Order as **JWL1008**
- Mini earrings, gold plated Order as **JWL1009**
- Mini necklace, hallmarked silver. Order as **JWL1010**
- Earrings, hallmarked silver. Order as **JWL1011**
- Bookmark, gold plated. Order as **JWL1012**
- Mini picture/photo frame, antique pewter. Order as **JWL1014**

Enamel Lapel Pins

- C-STR901
- C-STR900
- C-STR902
- C-STR903
- C-STR908
- C-STR904
- C-STR905
- C-STR906

T-Shirts

- When ordering any t-shirt please state size. S,M,L and XL.
- Mini logo t-shirt.
 - Black **TSHIRT09BLACK**
 - White **TSHIRT09WHITE**
 - Blue **TSHIRT09BLUE**
- Mini Union Jack heart. Available in white only **TSHIRT10WHITE**

Cloth Badge

- MINI logo cloth badge 4" wide. Order as **C-STR819**

Bags



- Red tuscan leather Paddy Hopkirk holdall. Why the No37? This was the entry number for Paddy Hopkirk's 1964 Rally de Monte Carlo winning works Mini Order as **BAG001**

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- Tamiya 1:24 scale display model kits.
 - Mini Cooper 'S' 1275 MK1 Order as **TOY09**
 - Mini Cooper Racing Order as **TOY08**

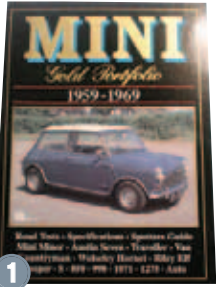
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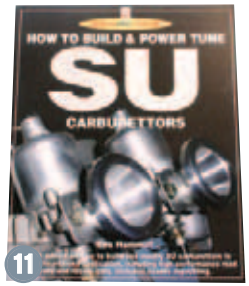
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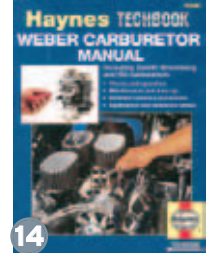
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**Index**

- Accelerator Cables 70**
- Aerials 58**
- Alarm Interface 50**
 - Keyless Entry 50
 - Remote Control 50
- Alternators 45**
- Badges 78, 79**
- Battery 48**
 - Ancillaries 48
 - Box 62
 - Box cover 72
 - Cable 48
- Belt Drive Kits 38, 39**
- Body Shells 62**
- Bodywork 61 - 66**
 - Plugs 63
 - Seam mouldings 58
 - Styling kits 66
- Bonnets 63, 66**
 - Badges 78, 79
 - Insulation 72
 - Seals 64
 - Straps 63
 - Stripes 78
- Books 81**
- Boot 61, 66**
 - Board 72
 - Hinges 63
 - Lids 61, 66
 - Liner 72
 - Seal 64
- Brakes 7 - 11**
 - Alloy Calipers 7
 - Backplates 11
 - Caliper Pistons 8
 - Discs 9
 - Drums 11
 - Hoses 10
 - Kits 9
 - Lines 10
 - Pads & Shoes 8, 9
 - Safety switches 47
 - Shields 8
- Bumpers 58**
 - Overiders 58
- Cables 70**
 - Battery 48
 - Bonnet release 59,63,70
 - Choke 70
 - Handbrake 11
 - Heater 70
 - Speedo 67
 - Throttle 22
 - Wiper 53
- Calipers 7, 9**
- Cam Followers 30**
- Cam Shafts 37**
- Cams 37**
 - Bearings 37
- Car Cover 72**
- Carburettor 19, 20, 22**
 - Dashpots & Stubstacks 19, 20
 - Jet 20
 - Rebuild kits 20
- Carpets 73**
- Central Locking 49**
- Circuit Breakers 49**
- Clutch 40, 41**
- Cooling 14**
 - Hoses 14
 - Temperature Transmitters 16
- Cowlings 49**
- Crankshaft 33, 36**
 - Bearing 36
 - Belts 38
 - Bolts 33
 - Connecting Rods 33
 - Dampers 38
 - Key 36
 - Main straps 33
 - Pulleys 38
- Crownwheels 45**
- Cylinder Heads 25, 28**
 - Gaskets 29
 - Studs, Nuts and Washers 32
- Dampers 1-3**
- Dash Illumination 50**
- Dashes 69**
- Decal 78**
- Differentials 43-45**
- Dipsticks 33**
- Distributors 46**
 - Cap 46
 - Condenser 46
 - Contact set 46
 - Rotor Arm 46
- Door 61, 66**
 - Accessories 54
 - Handles 54, 55, 69
 - Hinges 54, 55
 - Mouldings 54
 - Seal 64
 - Sill plates 56
- Driveshafts 7**
 - CV Joint 7
 - Gaiter Kits 7
- Duplex Gear Kits 39**
- DVD 80**
- Dynamics 45**
- Electric Window Kit 49**
- Engine 33**
 - Built-up Short Engine 33
 - Bushes 27
 - Core Plugs 16
 - Crankcase Breathers 19
 - Mounts 27
 - Stabilisers 27
- Exhaust 23-26**
 - Fitting kit 24
 - Kits 25, 26
 - Millennium Range 24
 - Mountings 23
 - Peco 23
 - RC40 24, 25, 26
- Exterior Trim 54, 58**
- Fan Belts 38**
- Fibreglass 65, 66**
- Filters 17, 18, 19**
 - Air 19
 - Fuel 18
 - Oil 17
- Floor Panel 62**
 - Plugs 63
- Flywheel 40**
- Front Panels 61**
- Fuel 18**
- Fuel Tank 60**
 - Sender units 60
- Fuse Box 49**
- Gaskets 29**
 - Sets 28, 29
- Gauges 67, 68**
 - Dial Kits 69
 - Pods 67, 68
 - Speedo Cables 67
 - Speedos 67
- Gear Knob Emblems 70**
- Gearbox 43**
 - 5 Speed 43
 - Baulk ring 43
 - Bearings 44
 - Gaitors 43
 - Leak fix kit 43
 - Lever 43
 - Mounts 43
 - Oil pick up pipe 43
 - Rebuild Kits 44
 - Stabilisers 27
- Gearlever Knob 69, 70**
- Gears 41, 42**
- Grilles 59**
- Grommets 63**
- Handbrake 11**
- Headlamp see Lenses & lamps**
- Headlining & Rails 74**
- Heater Matrix 16**
- Heater Valves 16**
- Heatshields 21**
- Horns 49**
- Hoses 14, 16, 17, 18**
- Ignition 47**
 - Switch 47, 48
- Ignition Coils 46**
 - Covers 46
- Indicator 51**
- Indicator & Hazard Units 49**
- Interior Trim 55, 69, 73, 74**
- Jacking point 62**
- Jewellery 80**
- Key Fobs 70, 79**
- Knobs 70**
- Layshafts 44**
- Lead Sets 47**
- Lighting 50, 51**
 - Auxiliary 52
 - Covers 52
 - Fog 51, 52
 - Halogen 51, 52
 - Headlamp 51, 52
 - Headlight Kit 51
 - Indicators 51
 - Lamp bar 52
 - Lamp Conversion 52
 - Lenses 50, 51
 - Number plate 51
 - Rear Lamps 50
 - Reversing 51
- Seals 64**
- Manifolds 21 - 23, 25, 26**
 - Exhaust 22, 23
 - Gaskets 29
 - Inlet 21
 - Spacers 21
- Master Cylinders 8**
- Mats 73**
- Mirrors 57**
- Model Kits 80**
- Mouse Mats 79**
- Mudflaps 58**
- Number Plates 57**
- Nuts & bolts 74**
- Oil 17**
 - Capillary Pipes 68
 - Drain Plugs 35
 - Magnetic Oil Traps 35
 - Pressure regulator 35
 - Pumps 35
 - Sump plug 68
 - Switches 35, 68
 - Transducers 35, 68
 - Valves 35
- Oil Coolers 17**
- Oil Filter 17**
- Pedals & Pads 56**
- Performance Kits 25, 26**
- Petrol Caps 60**
- Pistons 34**
- Pushrods 31**
- Radiators 14, 15, 16**
 - Fans 15
- Radius Arms 5**
- Rockers 31, 32**
 - Covers 32
- Roll Cages 74**
- Seats 75, 76**
 - Belts 76
 - Frames 76
 - Webbing 76
- Servos 10**
- Slave cylinder 41**
- Soundproofing 72**
- Spark Plugs 47**
- Speaker Board 72**
- Speedos 67**
- Spoiler 66**
- Stage One Kit 26**
- Stalks 49**
 - Indicator 49
 - MK1 55
 - Wipers 49
- Starter Solenoid 45**
- Starters 45**
- Steering 4**
 - Bushes 4
 - Gaiter Kits 4
 - Lower Arm Pin 4
 - Lower arms 3
 - Racks 4
 - Track Rod Ends 4
- Steering wheels 71**
 - Bosses 71
 - Horn push assembly 71
- Stickers 78, 79, 80**
- Subframe 5 - 7**
- Sumpguards 33**
- Suspension 1, 2, 3, 5**
 - Anti Roll Bars 5
 - Bump stop 2
 - Camber Brackets 6
 - Coil Over Kits 3
 - Cones 2
 - Dampers 1, 2, 3
 - HILO 1
 - Hydrolastic Pipes 5
 - Kits 1
 - Knuckle 1
 - Swivel Pin Kit 7
 - Tie Rods 3
 - Tools 77
- Switches 47, 48, 49**
 - Headlamp 48
 - Ignition 48
 - Relay 48
 - Stalks 49
 - Wiper 48
- T-Shirts 80**
- Tachometer Kit 68**
- Tax Disc Holders 79**
- Thermostats 15, 16, 17**
 - Blanking Sleeves 15
 - Housings 16
 - Oil 17
- Throttle 22**
- Thrust washers 36**
- Turbo Parts 41**
- Tyres 12**
 - Valve Caps 11
- Upper Arm Rebuild Kit 4**
- Valve 29, 30**
 - Guides/Seals 30
 - Shims 29
 - Springs 29
 - Top caps 29
- Water Pumps 16**
 - pulley 38
- Wheel Arches 65, 66**
- Wheel Cover 72**
- Wheels 12-14**
 - Centre Caps 12, 13
 - Locknuts 11
 - Nuts & studs 12, 13
 - Spacers 12
- Windows 56**
 - Mouldings 56
 - Rubber 64
 - Seals 64
 - Support rail 56
- Windscreen washer 53, 54**
 - Bottles 53, 54
 - Jet 53
 - Pumps 53, 54
- Wings 61**
- Wiper 50, 53**
 - Blades 53
 - Delay 50
 - Motors 53
 - Wheel box 53
- Wiring Looms 48**



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