

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. **HMP241001**
 b. As above but with subframe for twin point front mounted radiator 1996 on **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..... **HMP241002**



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. Sold in pair **C-BTA1267**
 b. The same collared driveshafts but for pot joint gearboxes with inboard CV Joints (Pot Joints). Sold in 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. Sold in pair **C-BTA1265**
 b. For pot joint type. Sold in pair **C-BTA1264**
5. For grass track racing or other extremely destructive usage a pair of larger diameter driveshafts are available. **CALL for details.**
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 **27H4775**
 b. For pre pot joint Mini, Autos and 'S', L/H **27H4776LFT**
 c. For pot joint Mini, R/H..... **MS1246**
 d. For pot joint Mini, L/H..... **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 order only. Call for details.

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. Genuine..... **GSJ166**



Each set is enough to do one hub only.

CV Joint & Gaiter Kits

9. CV Joint for Cooper and all drum brake Minis. 1/8" nut **17H8600**
10. Constant velocity joint, 'S' GT or any Mini 1984 on. 1 5/16" nut size. Sold individually **GCV1013**
11. CV gaiter kits. With plastic clips & grease. Order individually.
 a. Universal kit. Fits any CV **18G9027MS**
 b. Genuine kit. For GCV1105 small joint. **GDG233**
 c. Genuine heavy duty kit with metal clips & grease. For GCV1013 large joint. **GSV1053**
12. Driveshaft small yoke end gaiter pre pot joint..... **18G9029**



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. **Black pair..... C-AJJ4023**

- 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. **Black pair..... C-AJJ4022**



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 **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

