

# BMC SPECIAL TUNING PARTS

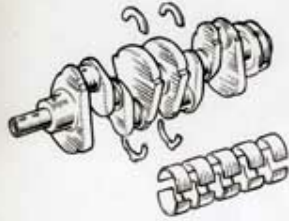
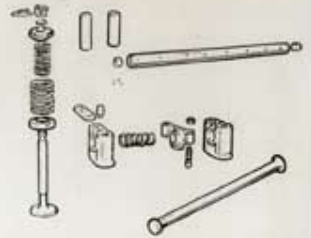


## CAMSHAFTS

Race and Rally camshafts for all 'A' and 'B' series engines

## VALVE GEAR

Valve springs with loading to 230 lb. at full valve lift  
Nimonic valves. Hidural valve guides. Strengthened rocker shafts. Strengthened rocker screws. Spacers. Push-rods. Rocker shaft brackets. Valve caps and collets

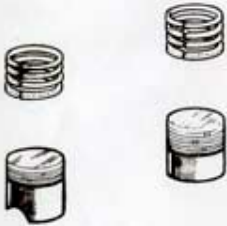
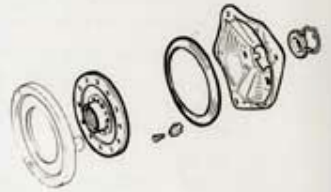


## CRANKSHAFTS

Heavy duty competition material for 'MGB', Midget, Sprite, and Mini  
Competition crankshaft and connecting rod bearings

## CLUTCH

Clutch driven plates and cover assemblies for tuned engines and competition use for all 'A' and 'B' series engines

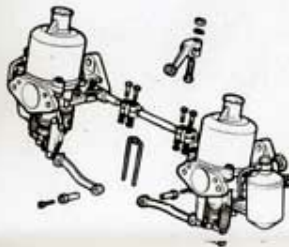
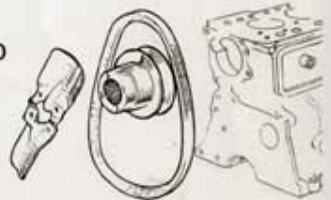


## PISTONS AND RINGS

High-compression pistons (over-sizes available)  
Ring sets

## FAN, FAN BELTS, AND PULLEYS

for the Cooper 'S'  
Large generator pulley  
Fan belt and two-bladed fan  
Alternator kit complete

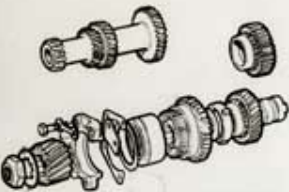
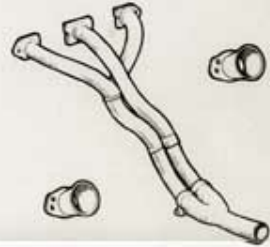


## CARBURETTERS

Larger S.U. carburetters  
Carburettor installation kits  
S.U. carburettor intake trumpets  
Weber twin-choke carburettor and installation kit

## EXHAUST

Free-flow exhaust manifolds  
Exhaust systems  
Silencer assemblies

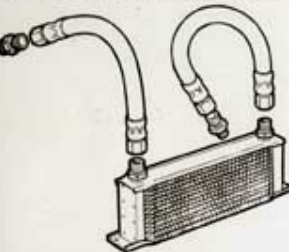
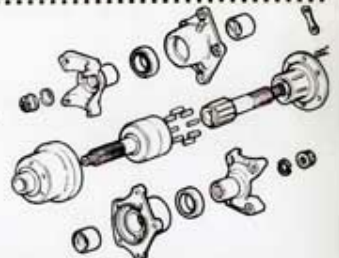


## GEARS

Helical-cut close-ratio; straight-cut close-ratio; straight-cut standard ratio; helical-cut standard ratio  
Close-ratio gear sets  
Final drive gears

## DIFFERENTIAL

Limited slip differentials for front- and rear-wheel-drive cars  
Crown wheels and pinions of numerous ratios

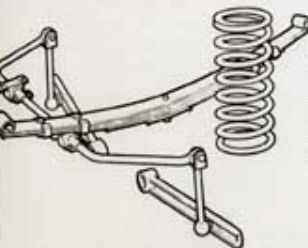
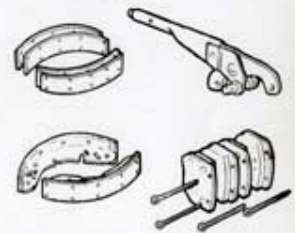


## OIL COOLERS

Large oil cooler for 'MGB'  
Oil cooler kit for Cooper 'S', Minis, Midget, and Sprite

## BRAKES

Competition brake linings  
Brake-shoes and linings  
Competition brake pads  
Fly-off hand-brake conversions



## ROAD SPRINGS

Coil and leaf springs (re-rated and lowered) for 'MGB', Midget, and Sprite  
Anti-roll bars and kits

## SUSPENSION

Rear progressive bump kit for Hydrolastic Minis  
Displacer units (stiff and hard setting) for Cooper 'S'  
Shock absorbers (competition setting) for 'MGB', Midget, and Sprite



## LAMP BRACKETS

Four-lamp bar and single lamp bracket

## BONNET STRAP

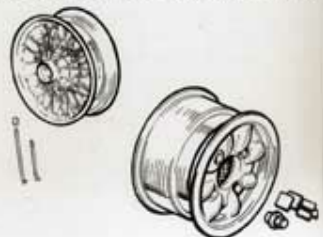
All models

## WING EXTENSION KIT

Homologated for Cooper 'S', but fits all Minis

## WHEELS

Wide-rim wire wheels for 'MGB', Midget, and Sprite  
Wide-rim (4 1/2-in.) magnesium alloy wheels for Mini-Cooper 'S'



FOR RACING, RALLYING, OR FAST TOURING



**OWNERS SHOULD NOTE THAT:**

Special Tuning Parts are not offered as production options. Vehicles specially tuned may be subject to special insurance rates. Noise level must comply with Government Regulations. F.I.A. Regulations and Forms of Recognition are available only from each country's national motor club. In the U.K. this is the R.A.C., 31 Belgrave Square, London S.W.1. Parts are not available direct from Abingdon, but should be obtained from BMC Distributors or Dealers. Whilst the parts are warranted against defective material or workmanship, the fitting of them to a car will affect the new car Warranty.

For further Special Tuning details, please contact:



Issued by: BMC Special Tuning Dept., M.G. Cars division, Abingdon, Berks.

Printed in Great Britain by The Midfield Press Limited, Cowley, Oxford, England. 23/49 (8623) 9/67-60m

Publication No. BMC 138

JOIN THE **BMC** TEAM OF  
WORLD-WIDE  
ENTHUSIASTS



Fit **BMC SPECIAL TUNING** Parts  
as used by Works Team Cars  
Full Factory Approval

## BMC SPECIAL TUNING FACILITIES

BMC successes in international rallies and races contribute in many ways to the development of better cars for production and sale to the general public.

However, a number of lessons learned from competition are applicable only to cars that are actually used in competitions. For this reason, the BMC Special Tuning Department was formed over three years ago to enable this information to be passed on to any owners who were interested. BMC Distributors throughout the world are kept advised of the latest developments in competition preparation, and all the necessary non-standard parts are stocked in the Special Tuning Department stores at Abingdon. A very limited number of new cars can also be specially prepared for competition use to the owner's requirements before delivery.

Parts are stocked only after they have been proved on our own Works competition cars. Tuning information and components are available for the 'MGB', 'MGB' GT, M.G. Midget, Austin-Healey Sprite, and Mini-Cooper 'S' only. Other models will be added when our experience is considered sufficient.

Although this tuning has been fully proved in competition, the resultant increase in power must inevitably carry with it some tendency to reduce the life of certain components and their reliability. It is for this reason that the normal Manufacturers' Warranty expressly excludes any tuning beyond that given to the car in its standard form. This does not mean that the car will be hopelessly unreliable, as is shown by the successes of the Works cars, and it may be assumed that it will be at least as reliable as other cars of similar performance.

### 'MGB' and 'MGB' GT

Half-race and full-race camshafts; steel timing gears; twin 1½-in. S.U. carburettors and full installation kit; Weber twin-choke carburetter and full installation kit; competition clutch assembly and driven plate; competition lightweight exhaust manifold; special hardened crankshaft; special racing-clearance bearings; competition cylinder head gasket; high-compression flat-top pistons; competition inlet and exhaust valves; bronze valve guides; competition valve springs (twin and triple sets) and collars; competition rocker shaft brackets and distance pieces; competition distributor with special advance curve; large-capacity, deep sump; racing sparking plugs; close-ratio gears (for three- and five-bearing engines); competition oil cooler; wide range of axle ratios; wide-rim wire wheels; competition setting shock absorbers; alternative front and rear road springs; front anti-roll bar and installation kit; plastic headlamp cowl kit; leather bonnet straps; long-range fuel tank; competition brake pads and shoes; fly-off hand-brake parts; and brake servo kit and limited slip differential.

For full details order MGB Tuning Booklet C-AKD 4034, which gives tuning information and a list of all the parts available.

### M.G. Midget and Austin-Healey Sprite

Twin 1½-in. S.U. carburettors and full installation kit; competition clutch assembly and driven plate; high-compression pistons; full range of alternative camshafts and special tappet-adjusting screws; steel timing gears; competition exhaust manifold and silencer system; competition valve springs and collars; distributor with special advance curve; close-ratio gears and installation kits; wide-rim wire wheels; competition-setting and adjustable shock absorbers; modified road springs; front anti-roll bar complete installation kit; long-range fuel tank; limited slip differential; alternative axle ratios; larger inlet valve; inlet and exhaust valve in competition material; oil cooler kit; alternative diameter anti-roll bars and installation kit; alternator; Weber twin-choke carburetter and manifold; lightened flywheel; special pistons; competition brake pads.

For full details order Sprite Mk. I Tuning Booklet C-AKD 1021, Midget/Sprite Tuning Booklet (948 and 1098-c.c.) C-AKD 5097, or Midget/Sprite Tuning Booklet (1275-c.c.) C-AKD 5098.

### Mini-Cooper 'S'

Twin 1½-in. S.U. carburettors and full installation kit; Weber twin-choke carburetter and manifold; competition diaphragm-spring clutch and driven plate; lightened steel flywheel; wide range of alternative camshafts; special tappet-adjusting screws; reduced-speed dynamo pulley and fan belt; two-, four-, or six-bladed cooling fan; competition exhaust manifold; special pistons; competition valve springs; strengthened rocker shaft; straight-cut close-ratio gears; straight-cut standard-ratio gears; competition oil cooler kit; wide range of alternative final-drive ratios; limited-slip differential; stiffer Hydrolastic suspension units; competition rear bump stops; competition lined brake pads and shoes; wing extensions for use with 4½-in. wheels; magnesium alloy wheels and installation kit; alternator kit; reclining seats; mountings for auxiliary driving lamps; competition sump guard; blank instrument panels; lightened camshaft sprocket.

For full details order Cooper 'S' Tuning Booklet C-AKD 5096.

**NOTE:** All literature and parts should be ordered from your nearest BMC Distributor. If he does not have them in stock he will order them for you, but it is essential to quote the full part number when ordering.