



AUSTIN AND MORRIS 850 and 998 MINI - STAGE I & II

STAGE I. 850 cc. Performance and flexibility are the strong points of this conversion. The top speed is increased from 74.6 mph to 83 mph and the 0 - 60 time is reduced from 27.5 seconds to 19.8 seconds. This performance compares favourably with a standard Mini Cooper. The conversion involves the raising of the compression ratio to 9.2 : 1, reprofiling and polishing the combustion chambers and ports, reworking the inlet valves and replacing the exhaust valves with special valves manufactured from KE965 Material. A fast lift dashpot assembly is fitted to the existing HS2 carburettor.

STAGE II. 850 & 998 cc. This conversion uses a further modified cylinder head which is fitted not only with special exhaust valves but also over size inlet valves. Double valve springs are used in conjunction with a suitable camshaft and a single 1½" S.U. carburettor which together help to attain a higher rev. limit and a 0 - 60 time of 13.5 seconds.

STAGE I. 850 cc.
KIT NO. 001

*Cylinder Head	£24.00
Modified Inlet Manifold (exchange £6. deposit)	£ 2.50
Modified Dashpot (ex- change £6. deposit)	£ 1.50
Plugs and Gaskets	£ 2.53

STAGE II. 850 & 998 cc.
KIT NO. 002

*Cylinder Head	£28.00
Carburettor Kit No. 310, Single S.U. 1½" HS4	£27.10
Fabricated Exhaust Manifold	£12.50
Straight-through Exhaust System inc. Silencer	£ 8.00
Camshaft	£ 8.00
Plugs and Gaskets	£ 2.93

For recommended optional extras please refer to Accessory Pages.

*Deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Camshafts refundable on receipt of old units in good condition.
Units must be returned within 21 days.
We, or our agents, will be pleased to fit any conversion. Prices on application.*



997 and 998 MINI COOPER

Two conversions are offered for these cars. Stage I giving improved flexibility and smoothness combined with a very useful increase in maximum speed and acceleration and Stage II primarily for the sporting motorist, giving a maximum speed of over 90 mph and a 0 - 60 time of 12.8 seconds.

STAGE I conversion includes a completely reworked cylinder head, with the compression ratio increased to 9.3 : 1, double valve springs and a polished and matched inlet manifold.

STAGE II conversion is similar but uses a pair of HS4 S.U. carburettors and a Janspeed cast inlet and fabricated exhaust manifold.

STAGE I. KIT NO. 009

* Modified Cylinder Head, 997 cc.	£25.00
* Modified Cylinder Head, 998 cc.	£32.00
Modified Inlet Manifold (exchange £6 deposit)	£ 2.50
Needles and Springs	£ .95
Plugs and Gaskets	£ 2.83

STAGE II. KIT NO. 010

* Modified Cylinder Head, 997 cc.	£25.00
* Modified Cylinder Head, 998 cc.	£32.00
Carburettor Kit No. 312, Twin S.U. 1½" HS4	£45.50
Fabricated Exhaust Manifold	£12.50
Plugs and Gaskets	£ 2.83

For recommended optional extras please refer to Accessory Pages.

* A deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Carburettors refundable on receipt of old units in good condition. All items to be returned within 21 days.
We, or our agents, will be pleased to fit any conversion. Prices on application.

1275 AUSTIN and MORRIS COOPER 'S'

Tractability, a top speed in excess of 112 mph and a 0-60 time of 7.9 seconds, these are the facts about the road conversion for the 1275 'S'. It is achieved by completely reworking the cylinder head, raising the compression ratio to 11 : 1, and using a Janspeed 1½" HS4 Carburettor Kit. A special Camshaft, producing a wide range of power is used to ensure that this potent car is not an embarrassment in traffic. One of our specially developed exhaust manifolds ensures that maximum breathing efficiency is obtained. The basic price is for modifying the cylinder head; should any parts need replacing these will be charged extra, as shown below.

KIT NO. 011

* Modified Cylinder Head, Basic	£30.00
* Modified Cylinder Head plus replace valve guides	£35.00
* Modified Cylinder Head plus replace valve guides and inlet valves	£47.00
* Modified Cylinder Head plus replace valve guides and inlet and exhaust valves	£62.00
* Modified Cylinder Head 1275 'S' MK 3, 1275 GT, Stage I	£35.00
Exhaust Manifold	£15.00
Carburettor Kit No. 312, Twin S.U. 1½" HS4	£45.50
* Camshaft 544 Specification	£14.00
Plugs and Gaskets	£ 2.93

Obviously the 1275 'S' engine has great potential as a full race or rally unit and we have prepared many cars for satisfied customers to use in every type of motor sport. A quotation to suit your own individual requirements will be forwarded on request, details of the type of event you intend to enter, together with class or formula and whether the car is to be taken to meetings on a trailer or still driven on the road are of great assistance when compiling a quotation.

For recommended optional extras please refer to Accessory Pages.

CONVERSION KITS



AUSTIN A35-A40
MORRIS MINOR 1000
MG 1100 & RILEY KESTREL

AUSTIN A35-A40 and MINOR 1000, 948 and 1098 cc.

The kit listed below has been designed not only to improve the performance for the enthusiastic driver, but also to improve the smoothness and flexibility for the family motorist.

AUSTIN A35-A40 KIT NO.003
MINOR 1000 KIT NO.004

* Modified Cylinder Head, 948 cc	£24.00
* Modified Cylinder Head, 1098 cc	£25.00
Exhaust Manifold	£14.00
Carburettor Kit No.310	
Single S.U. 1½" HS4	£27.10
Plugs and Gaskets	£ 2.83

MG 1100 and RILEY KESTREL

This conversion combines increased flexibility, torque and B.H.P. Modifications including reprofiled and polished ports and compression ratio of 9.5 : 1. The inlet manifold is matched and polished to the reworked head and fitted in conjunction with a fabricated exhaust manifold, and straight through exhaust system.

KIT NO.006

*Modified Cylinder Head	£32.00
Matched and Polished	
Inlet Manifold (exchange	
£6. deposit)	£ 2.50
Fabricated Exhaust	
Manifold	£12.50
Exhaust System inc.	
Silencer	£10.00
Exhaust System inc.	
Twin Silencer	£14.00
Plugs and Gaskets	£ 2.83

For recommended optional extras please refer to Accessory Pages.

AUSTIN, MORRIS and WOLSELEY 1100/1300 'POPULAR'

Precision finishing of a mass-production engine - that is the best way to describe our 'Popular' conversion for the B.M.C. 1100/1300 range. By using one of our race-developed exhaust manifolds, a high efficiency Inlet Manifold and a 'free-breathing' exhaust system, the 1100/1300 is endowed with more power and smoother running and for the 1100 we include a single HS4 1½" S.U. Carburettor Kit. Although no set acceleration figures are claimed the 'Popular' converted car should be able to reach 60 mph in about 16 seconds and top 80 mph with ease.

'Sporting Motorist' said "The extra performance knocked seconds off acceleration times (to make overtaking a less dangerous manoeuvre) and the car comfortably cruised at 80 mph - 5 mph better than the maximum of the Standard Austin 1100 we have tested."

For those requiring further improvement to their performance a modified Cylinder Head is available.

1100 'POPULAR' KIT NO.005

1300 'POPULAR' KIT NO.005A

Three Branch Exhaust Manifold	£12.50	Water-heated Cast Alloy Inlet Manifold	£10.00
Exhaust System inc. Silencer	£10.00	Three Branch Exhaust Manifold	£12.50
Exhaust System inc. Twin Silencer	£14.00	Exhaust System inc. Silencer	£10.00
Carburettor Kit No. 310, Single S.U. 1½" HS4	£27.10	Exhaust System inc. Twin Silencer	£14.00
Gaskets	£ .16	Modified parts for existing Carburettor	£ 1.50
		Throttle Cable	£ .44
		Air Cleaner	£ 1.63
		Gaskets	£ .16
Optional Extra		Optional Extra	
* Modified Cylinder Head Head	£25.00	* Modified Cylinder Head	£30.00

For recommended optional extras please refer to Accessory Pages.

* Deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Camshafts; refundable on receipt of old units in good condition which must be returned within 21 days.
We, or our agents, will be pleased to fit any conversion. Prices on application.

AUSTIN MAXI

The only thing the Maxi 1500 lacks is the bit of extra power to enable one to make use of fifth gear, in every day motoring. The simple conversion that we have developed to achieve this, consists of Twin Carburettors, a combined Inlet/Exhaust Manifold and Exhaust System which will give you extra power incorporating smoothness and at the same time retains sensible fuel consumption, which has been proved to be 26.4 mpg under road test conditions, and 32 mpg driven carefully.

Performance figures for the Maxi 1500 in 'Car' Magazine, Sept. 1969 issue and 'Car and Car Conversions' (with Cylinder Head) November 1969 are as follows:

	<u>Standard</u> <u>Maxi</u>	<u>Janspeed</u> <u>Maxi</u>	<u>Janspeed Maxi</u> <u>with Cylinder Head</u>
0-50	11.0	9.9	7.9
0-60	16.5	13.1	12.0
0-70	28.6	19.8	16.0
0-80	41.0	29.5	26.0

The modifications are the same for the 1750 cc version of the Maxi and a similar performance increase can be expected.

KIT NO. 041

Carburettor Kit No.362, Twin S.U. 1½" HS4 plus 4 branch exhaust manifold & comp. system	£73.50
Throttle Cable	£ .44
* Stage I Cylinder Head	£35.00
Plugs and Gaskets	£ 3.75

For recommended optional extras please refer to Accessory Pages.

* Deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Camshaft, refundable on receipt of old units in good condition which must be returned within 21 days.

We, or our agents, will be pleased to fit any conversion. Prices on application.

AUSTIN HEALEY SPRITE MK I, II & III, and MIDGET I & II

This conversion is available for both the 948 and 1098 cc models and is designed to give better acceleration, improved top speed and better flexibility.

An 'Autosport' road test of a 948 cc car realised a top speed of 96.9 mph, a standing start quarter mile in 18.2 secs. and a 0 - 60 mph time of 12.8 secs.

Further modifications can be specified for serious race and rally exponents but steady development of our racing engines makes it impossible to print a fixed specification.

KIT NO.012

*Cylinder Head, 948 cc	£25.00
* " " 1098 cc	£32.00
Special Inlet Manifold	£10.00
Fabricated Exhaust Manifold	£12.50
Plugs and Gaskets	£ 2.83

AUSTIN HEALEY SPRITE MK IV and MIDGET MK III

This kit has been designed to improve the overall characteristics of the car, creating better acceleration, greater smoothness and flexibility through the gears and a higher top speed.

Performance figures taken by 'Car' Magazine were as follows:

0-30	3.5 secs.	0-60	9.9 secs.
0-50	7.5 secs.	0-70	13.1 secs.

KIT NO.013

*Modified Cylinder Head	£30.00
Fabricated Exhaust Manifold	£15.00
Carburettor Kit No.315, Twinchoke 45 DCOE Weber	£46.00
Plugs and Gaskets	£ 2.50
or Carburettor Kit No.312 Twin S.U. 1½" HS4	£45.50

For recommended optional extras please refer to Accessory Pages.

* Deposit of £25.00 will be charged on all Cylinder Heads and £13.00 on Camshafts refundable on receipt of old parts in good condition which must be returned within 21 days.

We, or our agents, will be pleased to fit any conversion. Prices on application.

M.G.B. ROAD AND HIGH PERFORMANCE CONVERSIONS

STAGE I. ROAD CONVERSION Top gear acceleration and improved flexibility are combined with increased acceleration and top speed. The 'Autosport' road test figures have realised a 0 - 60 mph time of 10.5 seconds, a top speed of 113.9 mph and a standing start quarter mile of 17.8 seconds.

STAGE II. HIGH PERFORMANCE CONVERSION This kit uses a modified cylinder head with a compression ratio of 10.5 : 1. To match the power increase obtained from the cylinder head a Twin 1 $\frac{3}{4}$ " S.U. Carburettor Kit or a 45 DCOE Weber Kit and fabricated exhaust manifold are used.

STAGE I. KIT NO.014

*Modified Cylinder Head	£32.00
Modified Inlet Manifold (exchange £6. deposit)	£ 2.50
Plugs and Gaskets	£ 2.93

STAGE II KIT NO.015

*Modified Cylinder Head	£45.00
Carburettor Kit No. 360, 45 DCOE Weber	£47.50
or	
Carburettor Kit No.319, Twin S.U. 1 $\frac{3}{4}$ " HS6	£53.50
Exhaust Manifold	£18.00
Exhaust System	£14.50
Plugs and Gaskets	£ 2.93

For recommended optional extras please refer to Accessory Pages.

* Deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Camshafts; refundable on receipt of old units in good condition which must be returned within 21 days.
We, or our agents, will be pleased to fit any conversion. Prices on application.

MORRIS MARINA 1300

Our conversion for the 1275 cc Marina gives greater acceleration than the standard 1800 cc version and yet remains economical, quiet and tractable. In a road test of our car in the November 1971 issue of 'Auto Enthusiast' they said "From 1500 rpm the throttle can be floored in the lower gears." The conversion comprises a modified cylinder head, an additional 1½" S.U. and special inlet manifold, a 731 camshaft and fabricated exhaust manifold.

	<u>Standard 1300</u>	<u>Standard 1800</u>	<u>*Janspeed 1300</u>
0 - 60	17.5 secs.	14.0 secs.	12.5 secs.
Top Speed	62 mph	95 mph	89 mph

* Figures from 'Auto Enthusiast' November 1971.

KIT NO. 040

* Modified Cylinder Head	£30.00
Inlet Manifold	£10.00
Carburettor & Fitting	
Kit S.U. 1½" HS4	£21.90
Air Cleaners	£ 3.25
Fabricated Exhaust	
Manifold	£15.00
Camshaft	£13.50
Plugs and Gaskets	£ 2.93

BR. LEYLAND 1800 SALOON HIGH PERFORMANCE CONVERSION

This large family saloon can be easily transformed into a really high performance vehicle, giving it the extra power needed for overtaking and relaxed long distance motoring.

KIT NO. 042

* Modified Cylinder Head	£32.00
Exhaust Manifold	£18.00
Carburettor Kit No.318	
Twin S.U. 1½" HS4	£45.50
or Carburettor Kit No.319	
Twin S.U. 1¾" HS6	£53.50
Plugs and Gaskets	£ 2.93

This Kit with a different Exhaust Manifold, price £16.50, is also suitable for the 1800 Marina.

For recommended optional extras please refer to Accessory Pages.

* Deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Camshafts; refundable on receipt of old units in good condition which must be returned within 21 days.
We, or our agents, will be pleased to fit any conversion. Prices on application.

TRIUMPH HERALD 1200-1250 and SPITFIRE MK I & II

The kit listed below is designed not only to improve the performance but also create a new personality for this under-estimated motor car.

KIT NO. 018

* Modified Cylinder	
Head	£28.00
Exhaust Manifold	£12.50
Carburettor Kit	
No.343 Twin S.U.	
1½" HS4	£45.50
Plugs and Gaskets	£ 2.83

TRIUMPH SPITFIRE MK III

KIT NO. 018A

* Modified Cylinder	
Head	£32.00
Carburettor Kit	
No.344 Twin S.U.	
1½" HS4	£45.50
Fabricated Exhaust	
Manifold	£16.50
Plugs and Gaskets	£ 2.85

TRIUMPH 1300 SALOON

The kit listed below will give the standard 1300 performance well beyond that of the TC version of the same model. A milder kit can be obtained without the cylinder head modification that gives approximately the equivalent performance of the TC.

KIT NO. 019

* Modified Cylinder	£32.00
Head	
Exhaust Manifold	£12.50
Carburettor Kit	
No.344 Twin S.U.	
1½" HS4	£45.50
Plugs and Gaskets	£ 2.83

For recommended optional extras please refer to Accessory Pages.

* Deposit of £25.00 will be charged on all Cylinder Heads and £10.00 on Carburetors; refundable on receipt of old units in good condition which must be returned within 21 days.

We, or our agents, will be pleased to fit any conversion. Prices on application.