

ALEXANDER

CONVERSIONS



B.M.C. "B" SERIES

AUSTIN	<i>A50. A55. A60. METROPOLITAN</i>
MORRIS OXFORD	<i>II. III. V. VI.</i>
M.G.	<i>ZA. Z.B. Mk. III. Mk. IV.</i>
RILEY	<i>1.5 4/68. 4/72.</i>
WOLSELEY	<i>1500. 15/60. 16/60.</i>

and

**ALEXANDER LIGHT ALLOY HEAD
FOR "B" SERIES**

AUSTIN *A55, A60 FARINA. METROPOLITAN 1960*
M.G. *Z.A.*
MORRIS *OXFORD Mk. V & VI*
WOLSELEY *15/60. 1500. 16/60.*



SPECIFICATION

Cylinder head and ports are extensively modified and reshaped to give perfect gas flow; combustion spaces polished and air flowed; compression ratio is raised to 8.9:1. Special valve springs are fitted permitting higher R.P.M. without valve bounce. Twin 1½" S.U. Carburettors are fitted to a specially designed high efficiency manifold with flexible mountings. These not only increase power, but also reduce wear on jets and needles. The need for adjustment, once the carburettors have been synchronised and tuned, is minimised. Individual non-restriction air filters are fitted to each carburettor.

A complete set of gaskets is supplied.

As an extra for the M.G. Z.A. MAGNETTE, a special air flowed three branch exhaust manifold of greatly increased efficiency can be fitted, together with a new exhaust down pipe and non-restriction silencer.

	Oxford V	Standard	Converted
Performance Figures	0—30 m.p.h.	6.6 secs.	5.0 secs.
	0—40 m.p.h.	10.7 secs.	7.2 secs.
	0—50 m.p.h.	16.6 secs.	12.0 secs.
	0—60 m.p.h.	25.4 secs.	15.3 secs.
	0—70 m.p.h.	34.3 secs.	22.1 secs.
	0—80 m.p.h.	—	36.3 secs.
	Max. m.p.h.	73.3 m.p.h.	90+ m.p.h.

WHAT IT WILL COST

Complete set of parts for Engine Conversion £65 0 0
 Deposit same as below

RILEY *1.5 4168 4172 M.G. Z.B. 4 Mk. III Mk. IV*

SPECIFICATION

Cylinder head and ports are extensively modified, reshaped and polished to give perfect gas flow. Combustion spaces are highly polished and air flowed; compression ratio is raised from 8.3:1 to 8.9:1. Two non restriction pancake type air filters and suitable needles are included together with all necessary gaskets and shims.

WHAT IT WILL COST

Complete set of parts for Engine Conversion £25 0 0
 An additional £15 deposit is charged pending the return, carriage paid, of displaced cylinder head in good condition, at these Works within 21 days.
 Returnable Packing Case £ 2 0 0

**BUY YOUR NEW CONVERTED "B" SERIES
 CAR or ESTATE THE "ALEXANDER WAY"**

**12 Months Tax. Delivery. Number Plates. Heater.
 Conversion. At Inclusive Price ASK FOR LEAFLET**

AUSTIN *A50, A55 CAMBRIDGE*
AUSTIN *METROPOLITAN*
MORRIS *OXFORD Mk. II & III*



SPECIFICATION

Cylinder head and ports are extensively modified and reshaped to give perfect gas flow; combustion spaces polished and air flowed; compression ratio is raised to 8.9:1. Special valve springs are fitted permitting higher R.P.M. without valve bounce. Twin 1½" S.U. Carburettors are fitted to a specially designed high efficiency manifold with flexible mountings. These not only increase power but also reduce wear on jets and needles. The need for adjustment, once the carburettors have been synchronised and tuned, is minimised. Individual non-restriction air filters are fitted to each carburettor. The exhaust manifold is modified to allow full gas flow. A complete set of gaskets is supplied.

	Oxford II	Standard	Converted
Performance	0-30 m.p.h.	6.9 secs.	5.5 secs.
Figures	0-40 m.p.h.	12.1 secs.	9.2 secs.
	0-50 m.p.h.	18.5 secs.	14.2 secs.
	0-60 m.p.h.	28.9 secs.	22.9 secs.
	0-70 m.p.h.	38.3 secs.	27.2 secs.
	Max. m.p.h.	74.8 m.p.h.	80+ m.p.h.

WHAT IT WILL COST

Complete set of parts for Engine Conversion	£60 0 0
An additional £15 deposit is charged pending return, carriage paid, of displaced cylinder head, carburettor, inlet and exhaust manifold in good condition at these works within 21 days.		
Returnable Packing Case	£ 2 0 0

ALEXANDER ALLOY HEAD FOR "B" SERIES

"B" SERIES ALLOY HEAD SPECIFICATION

This new cylinder head has been developed as a partner to the new "A" Series crossflow head. The same basic principles apply of having four inlet ports on one side and on the other, three exhaust ports which line up with any standard "B" Series exhaust manifold, although a special manifold can be provided. The head is fitted with two high efficiency air-flowed inlet manifolds joined by a balance pipe which takes two 1½" H.4 S.U. carburettors. These carburettors are standard equipment on some "B" Series engines such as Riley and M.G., so the owner merely uses his existing carburettors when fitting the head.

PRICE. Complete head with valves, springs, inlet manifold, crackle black and bright alloy rocker cover, plug spanner	£73 0 0
With 2 1½" H.4 S.U. carburettors	£93 0 0

On a Series V Farina Morris Oxford: Acceleration from rest through gears:

	Standard	Alloy Head	Unconverted	Alexander
			M.G.A. 1500 c.c.	Alloy Head
0-30 m.p.h.	8.6 secs.	5.2 secs.		
0-40 m.p.h.	11.3 secs.	7.3 secs.	0-60 m.p.h.	15.6 secs.
0-50 m.p.h.	19.4 secs.	11.4 secs.	0-70 m.p.h.	21.4 secs.
0-60 m.p.h.	27.7 secs.	15.2 secs.	0-80 m.p.h.	32.1 secs.
0-70 m.p.h.	44.3 secs.	21.8 secs.	0-90 m.p.h.	50.1 secs.
0-80 m.p.h.	—	32.8 secs.	Maximile speed	94.8 m.p.h.
Max. Speed	79 m.p.h.	94 m.p.h.		30.3 m.p.g.
				27.0 m.p.g.

EXTRAS. "B" SERIES

High compression (9.1:1) pistons in various grades is from £7 6 0 per set

ALEXANDER APPROVED EXTRAS

SPECIALLY PREPARED NEW CYLINDER HEADS FOR THE B.M.C. 'B' SERIES ENGINES

The ports are gas flowed and highly polished, larger valves and special double valve springs are fitted. A polished and matched inlet manifold suitable for twin 1½" S.U. carburettors is supplied.

An exhaust manifold matched to the ports is also supplied in the kit but this particular item is only suitable for the M.G.A.

The head is built up ready for fitting. Outright sale only £40 0 0

It is recommended that flat top pistons are fitted in conjunction with tuned cylinder head and C.C. needles in the 1½" carburettors. Ignition 4 degrees B.T.D.C. N5 Champion plugs. The engine should give 80 b.h.p. at 6,000 r.p.m.

Set of pistons for above, flat top, 9:1 compression ratio, (set) £ 7 6 0

Improved type front suspension Springs. Farina range only. (pair) £ 5 10 0

Lockheed Power Brake Unit £13 0 0

Special Anti-fade Brake Linings for above, (set) £ 8 13 3

Special camshaft £13 10 0

Electronic Rev Counter with pre-set indicator, £18 18 0

'New Look' Rocker Cover' finished in black and highly polished alloy £ 4 10 0

Optional axle ratio for competition use including precalibrated speedometer Price on Application

PLUS A FULL RANGE OF B.M.C. APPROVED EXTRAS

ALEXTRACTOR—A MUST FOR YOUR 'B' SERIES

Achieves maximum extraction of exhaust gases.

Makes more engine power available

Improves fuel consumption.

Cleaner engine, less frequent overhauls.

PRICE 59/6

ALEXANDER ENGINEERING CO. LTD.
HADDENHAM, BUCKINGHAMSHIRE, ENGLAND
Tel.: HADDENHAM, BUCKINGHAMSHIRE 345/6

ALEXANDER MOTORTUNE LTD.,
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ALSO AGENTS IN ENGLAND, SCOTLAND, WALES AND OVERSEAS