

# ALEXANDER

*ADDED PERFORMANCE CONVERSIONS*



MINI MINOR DE-LUXE & SUPER  
AUSTIN MINI DE-LUXE & SUPER  
RILEY ELF  
WOLSELEY HORNET

# MINI

STAGE ONE

MINI DE-LUXE & SUPER

AUSTIN MINI DE-LUXE & SUPER

WOLSELEY HORNET

RILEY ELF

**ALEXANDER**  
CONVERSIONS

## STAGE 1 SPECIFICATION

The cylinder head is extensively modified, completely reshaped and highly polished. The ports are also modified, gas flowed and highly polished. The compression ratio is raised to 9:1. Two 1½" semi down draught S.U. carburettors are fitted on to a specially designed and air flowed manifold. These are fitted with all necessary fuel pipes, throttle and mixture linkages and two non-restriction air filters. The whole of the induction system is completely assembled ready for fitting and the kit of parts is supplied complete with a new set of gaskets.

### Performance Figures

Acceleration through gears	*Standard	Converted
0—30 m.p.h.	6.2 secs.	4.9 secs.
0—40 m.p.h.	10.0 secs.	6.9 secs.
0—50 m.p.h.	16.9 secs.	12.9 secs.
0—60 m.p.h.	26.5 secs.	18.7 secs.
0—70 m.p.h.	—	30.5 secs.
Max. Speed	72.7 m.p.h.	84 m.p.h.

### WHAT IT WILL COST

Complete set of parts for 'ALEXANDER' added performance engine conversion. £45 0 0  
The above conversion is the basic conversion for the Mini range and has been specially designed by Alexander to give really lively acceleration and increased performance. Alexander have however, designed two extra conversions which give even greater performance to these superb cars

#### STAGE 1A

As Stage 1 but with the addition of a specially designed camshaft giving excellent flexibility, greater acceleration and higher cruising speed. £58 10 0

#### STAGE 1B

As Stage 1a but for the enthusiast who looks for still greater performance without sacrificing smoothness and flexibility. ALEXANDER have designed a complete free flow exhaust system including a 3 branch exhaust manifold. £72 10 0

### FITTING EXTRA

*For those contemplating higher degrees of tune at a later date we recommend starting with a Stage II Conversion*

A deposit of £12.10.0 is charged in addition, pending return, carriage paid of displaced cylinder head, complete with valve guides only, carburettor, inlet manifold and exhaust manifold and air cleaner in good condition at our works within 21 days.

Allowance against return of displaced camshaft in good condition, carriage paid. £2 0 0

STAGE 1 is available in unassembled component parts. ... ..	£17 10 0
★ Modified cylinder head with rocker pillar shims (exchange) ... ..	£ 1 10 0
★ Set Special valve springs ... ..	13 0
★ Complete set of gaskets. ... ..	£19 10 0
★ Cast alloy inlet manifold with integral balance pipe, Two H1 S.U. carburettors, heat insulators, fuel pipes, throttle and mixture linkages. ... ..	£1 0 0
★ Modified exhaust manifold, permitting the fitting of twin carburettors. (exchange) ... ..	£2 10 0
★ Pair of specially developed air filters for this conversion ... ..	10 0
★ Soundproof speedometer apparatus blanking plate assembly ... ..	£ 1 0 0
★ Ratchet type choke control ... ..	10 0
★ Breather pipe—Rocker cover to air filter ... ..	

## BUY YOUR NEW CONVERTED 'I

Ready to drive away complete with Heater, Washers, Plates, Deliv

# MINI

## STAGE TWO

MINI DE-LUXE & SUPER

AUSTIN MINI DE-LUXE & SUPER

WOLSELEY HORNET

RILEY ELF



### STAGE 2 SPECIFICATION

This brand new conversion using entirely differently designed cast iron cylinder head is supplied with larger inlet and exhaust valves fitted with formula junior valve springs. Completely modified, inlet and exhaust ports and combustion spaces which are highly polished and air flowed for maximum efficiency comp. ratio, 9.3:1. Two 1 1/4" S.U. carburettors are mounted on a specially designed fully airflowed light alloy inlet manifold. Individual non restriction pancake type air filters are fitted. The cylinder head is supplied completely assembled ready for fitting as is the whole of the induction system. A complete decoke set of gaskets is included.

### WHAT IT WILL COST

Complete set of parts for Alexander Stage II Conversion ... .. £56 10 0

### STAGE IIA

As stage 2 but with the addition of a specially designed camshaft giving excellent flexibility, greater acceleration and higher cruising speed ... .. £70 0 0

### STAGE IIB

For the connoisseur who looks for the ultimate in Road Performance without sacrificing flexibility or smoothness ALEXANDER have added a completely new free flow exhaust system with 3 branch manifold and two silencers ... .. £83 10 0

### STAGE IIB Performance Figures

M.P.H.	Standard	Converted
0-30	6.2 secs.	4.0 secs.
0-40	10.0 secs.	6.4 secs.
0-50	16.9 secs.	10.0 secs.
0-60	26.5 secs.	14.1 secs.
0-70	—	20.0 secs.
0-80	—	34.4 secs.

### FITTING EXTRA

A deposit of £12.10.0 is charged in addition, pending the return, carriage paid of displaced cylinder head, complete with valves etc., carburettor, inlet manifold, and air cleaner in good condition at our works within 21 days.

Allowance against return of displaced camshaft in good condition, carriage paid. £ 2 0 0

### COMPETITION EXTRAS

For the enthusiasts who wish for even greater performance than the stages shown on this leaflet the items and specialist work quoted below will be of special interest. However should you wish to take advantage of these items to own a really SUPER MINI do let us know your specific requirements and we should be only too pleased to quote, and advise you.

1	Balance engine components—Crankshaft, flywheel, clutch, con rods, pistons.	£15 0 0
2	Extra charge for stripping and rebuilding engine, any faulty parts will be renewed and charged at maker's normal price. ... ..	£12 10 0
3	Extra charge for removing engine from car and refitting ... ..	£ 5 10 0
4	Line Bore cylinder block and fit camshaft bearings, if carried out when engine is stripped. ... ..	£ 8 10 0
5	Sports camshaft ... ..	£13 10 0
6	Three branch exhaust system, manifold complete with silencer and pipes.	£13 10 0
7	Oil cooler kit complete ... ..	£12 10 0
8	Lockheed power brake unit complete ... ..	£13 0 0
9	Special anti-fade linings for No. 8. ... ..	£ 4 15 10
10	Special racing valve springs (set) ... ..	£ 2 10 0

## MINI' "THE ALEXANDER WAY"

every, 12 Months Tax & Conversion.

ASK FOR LEAFLET

## ALEXANDER APPROVED EXTRAS

★	Bucket seats trimmed to match interior—each	£12 10 0
★	Silent Travel complete kit gives perfect sound proofing fitted	£ 6 5 0
★	Rev. Counters. Electronic, fitted with knob to set revs. when this figure is reached a green warning light comes on	£18 18 0
★	Remote control gear change—from	£7 10 0
★	Chrome guttering strip	£ 2 0 0
★	Wood rim steering wheels—from	£ 5 19 6
★	Roof Racks. Rigid enamelled—from	£ 4 10 6
	Continental Type—from	£ 5 12 6
★	Typoid Link Mats. Full set including Purchase Tax	£ 6 10 1
	Front set only including Purchase Tax	£ 4 0 1
★	Wind Horns. Mixo Junior Horns, High Penetrating Note	£ 3 15 0
★	Remote control interior door handles operating from front of door (per pair)	£ 2 5 0
★	Mud Flaps	£ 1 15 0
★	Fresh Air Heater as fitted on export cars	£18 18 0
★	White wall tyres—each	£ 6 8 0
★	Competition wheels for early models—each	£ 2 5 0
★	Interior sun visors	7 6
★	Safety belts B.M.C.—each	£ 5 0 0
★	Safety belts other types	Price on application
★	De Luxe Type Remote control Gear change	£ 2 2 0
★	Radiator mufflers	£ 1 3 4
★	Locking petrol cap	£ 1 19 6
★	Fire extinguishers B.M.C.	11 6
★	Chrome tail pipe extensions	15 6
★	Deflector tail pipe chrome extensions	£ 1 19 6
★	12 volt Rear Window demister, chrome	£ 1 12 6
★	Chrome Badge Bar	£ 9 17 6
★	Long Range petrol tanks —each	

### THE FOLLOWING ITEMS ARE AVAILABLE FOR RACING ONLY

1	Alloy crossflow head with inlet manifold for 1½" S.U. Carburettors	£90 0 0
2	Pair of 1½" S.U. Carburettors with linkages etc.	£25 15 0
3	A new type bonnet is required if 1½" S.U. carburettors are used (unpainted)	£13 10 0
4	Road racing camshaft	£14 10 0
5	Special distributor for item 4 above	£ 8 14 0

### ALEXTRACTER A MUST FOR YOUR MINI

More engine power available  
 Maximum extraction of exhaust gases **59/6**  
 Improves fuel consumption

When ordering conversions or set of parts, customers are requested to give the car registration number, date of registration, engine and chassis numbers.

All prices are quoted ex works, packing and carriage extra.

The Company reserve the right to alter prices and specification without prior notice.

**ALEXANDER ENGINEERING CO. LTD.**  
 HADDENHAM, BUCKINGHAMSHIRE, ENGLAND

Tel.: HADDENHAM, BUCKINGHAMSHIRE 345/6

**ALEXANDER-MOTORTUNE LTD.**  
 6 ADAM & EVE MEWS,  
 KENSINGTON HIGH STREET,  
 LONDON, W.8. Tel. WESTERN 1166

**ALEXANDER CONVERSIONS LTD.,**  
 1a CAROLINE STREET,  
 BIRMINGHAM, 3 Tel. CENTRAL 0665

**ALSO AGENTS IN ENGLAND, SCOTLAND, WALES AND OVERSEAS**