

FOR THE BEST PERFORMANCE



SPEEDWELL

**ENGINE CONVERSIONS FOR
A.55-WOLSELEY 15/60-RILEY 1.5 ETC.**

and optional equipment catalogue

The story behind the greatest name in ENGINE CONVERSIONS

During the past few years, the tremendous growth of Speedwell and the ever increasing number of cars fitted with Speedwell equipment, is due to one outstanding fact. The finest engineering and technical knowledge, and in turn, the best components available are used in each and every Speedwell Conversion.

When all this is finalised into the finished product, we are still not satisfied. Every individual engineering item produced by Speedwell is tested over thousands of miles on the road and track and any possible flaws that may show up in a product after such gruelling tests are completely ironed out. Only then is the item put out to be enjoyed by the motoring public.

More and more the name Speedwell is becoming synonymous with every day motoring by the average man and woman driver, not only in Great Britain but in twenty-three other countries as well where Speedwell equipment is sold.

The increased safety and roadability of a car with a Speedwell suspension is proved each day. Every car owner should and does expect the utmost in performance and safety from his automobile. It is for this reason alone that Speedwell has taken the lead in this field.

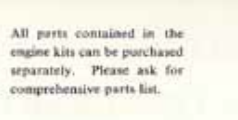


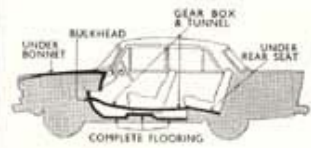

Speedwell equipment is available from Speedwell stockists, garages and specialised tuning shops.

When you want the best in performance and road holding ask for the best by name—

SPEEDWELL

PERFORMANCE CONVERSIONS LTD.

763 Finchley Road, London, N.W.11
Telephone : SPEdwell 2226-8

Engine parts		Inlet valves Exhaust valves—KE 965 Double valve springs	Price 17/6 12/6 96/- per set £5 0 0 5/- 37/6 per pair	Fitting
		Inlet manifolds 1½" SU/ Balance pipes Air bells 1½" etc.		
Suspension*		Speedwell suspension equipment ensures perfect road holding and safety		
		Anti-roll bar S/A Valves (pair of front and rear) Rear Telescopic Conversion Kits	£7 0 0 £3 0 0 £12 0 0	£1 10 0 15 0 £2 10 0
Brakes		Even on a standard car anti-fade linings are a good investment. A servo unit gives maximum pedal pressure and maximum braking effort.		
		Compl. Servo kit with linings. Antifade linings fully mounted.	£22 0 0 £10 0 0	£10 0 0 £4 10 0
Sound insulation		Is there anything more wonderful than travelling fast but silently with the minimum of engine noise.		
		Complete Silent Travel Kit. A55—Riley 1.5 etc.	£5 15 0	£1 10 0
Exhaust systems*		Speedwell exhaust system comprises Superstone silencer. This is a straight-through type with twin chrome tail-pipes and anti-resonant chamber also.	£4 19 6	£1 10 0
		Three-branch full-flow tubular manifold.	£11 15 0	£1 10 0

Gear & Axle Ratios		Close ratio gears. Reduces gap between gears, enables car to be driven at optimum engine power in all gears. Especially recommended for competition purposes. Ratios : First : 2.45 Second : 1.62 Third : 1.268	Price £40 0 0	Fitting £17 10 0
		Alternative axle ratios. A higher axle ratio gives economy in high cruising speeds. A lower ratio gives ultimate acceleration. Ratios : 3.7, 3.9, 4.2, 4.5, 4.9, 5.1	£15 10 0	£3 0 0
Instruments		Water and oil gauges. There is no need to stress the importance of being able to keep a check on water temperature, oil pressure and, for competition, even temperature		
		Water temperature gauge Oil pressure gauge Instrument panel	£2 17 6 £3 1 0 £1 15 0	£1 10 0 £1 10 0
Lamps and Horns		Sanor Horns. A warning signal that can really be heard above traffic noise is an essential safety factor. Major horns (Melodious blast) Minor horns (Shrill blast) Air horns	£3 19 6 £2 19 6 £14 0 0	£1 10 0 £1 10 0 £1 10 0
		Johnson Lamps The range of Johnson lamps covers fog lamps, reversing lights and roof rally lamps	£3 19 6 £7 19 6 £2 2 6	£1 10 0 £2 10 0 £1 10 0
Tow Ropes and Safety Belts		Tow rope A nylon tow rope is supplied in an attractive plastic pouch for easy storage		
		Nylon tow rope	£1 15 0	
		Safety belts Statistics prove that fatal and other injuries can be avoided or minimised when safety belts are worn		
		Front seat belt Rear seat belt	£4 4 0 £2 2 0	£1 0 0 15 0

* Separate leaflets available

ORDER PROCEDURE

HOW TO ORDER: Speedwell equipment may be purchased from BMC dealers, specialised tuning shops, Speedwell Distributors as well as direct. Though fitting charges quoted in this leaflet only apply to our own works, they give a good indication of approximate charges elsewhere. When ordering, always state type of equipment and for which vehicle required.

EXCHANGES AND DEPOSITS. Components supplied on an exchange basis are subject to an additional deposit, which is credited when goods are returned in good usable condition. When reclaiming deposits always state invoice number of original supply. Deposits charged: Cylinder head with valve assembly and rocker cover £15; Crankshafts £12; Flywheel £7; Clutch Assembly £5; Speedometer £5.

A65 CLUBMAN 75: Bored blocks are not supplied on exchange basis. However the block can be sent to us whereupon it will be returned bored complete with pistons and the rest of the kit. Alternatively, the complete engine can be sent to us and it will be returned completely assembled to A65 or CLUBMAN 75 specification. For this service there is a fitting charge of £15 0s. 0d. plus any other parts that may have needed replacement, not included in the kit specification.

NEW SPEEDWELL MODIFIED B.M.C. SALOONS

"SPORT" Austin A65 de Luxe complete with SPORT engine and suspension £930
"GRAND TOURING" Riley 1.5 complete with GRAND TOURING engine and suspension £900

Other cars on request

All prices include delivery charge, number plates and tax.

ALL CARS ARE GUARANTEED FOR TWELVE MONTHS

What is a Speedwell engine conversion?

There are many methods of tuning an engine but most of them are either too costly to install or uneconomical to run. Speedwell engine kits avoid both these extremes as they are moderately priced and give a very real increase in performance throughout the speed range, coupled with complete reliability and safety. There is no increase in petrol consumption when driven normally.

Basically, twin carburettors are fitted to a redesigned cylinder head, carefully developed under dynamometer and flow rig testing. To suit all pockets and enable the owner to improve his engine in stages, the equipment is available as SPORT, GRAND TOURING or CLUBMAN 75 kit. All components have been tested by many thousands of miles of actual participation in International races and rallies, and every stage of development has been carefully checked and analysed to ensure that power increase is allied with smooth quiet running, easy maintenance, good petrol economy and complete reliability.

What increase in performance can be expected?

TOP SPEED :

Maximum speed is increased up to 20% depending on the equipment chosen.

ACCELERATION :

The average improvement is over 30%.

FLEXIBILITY :

Speedwell modified cars are designed to improve your driving enjoyment and are famous for their wonderful flexibility. It is, in fact, possible to pull away in a high gear from a much lower speed than with a normal vehicle. The additional torque available from the CLUBMAN 75 gives a big, powerful engine feeling and effortless, fast cruising.

SPEEDWELL ENGINE KITS

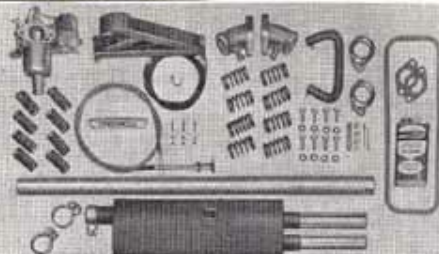
FOR A55-WOLSELEY15/60-RILEY 1.5 etc.

SPORT KIT

Additional SU carburettors
Inlet manifolds, Valve springs
Supertone silencer
Air Bells, Oil additive
Body flash, Gaskets etc.

£30

Optional: Spec. A65
(Bored out block, pistons and improved cylinder head)
£25



SPORT KIT

Performance Data:	0.30 mph	0.40 mph	0.50 mph	0.60 mph	0.70 mph	Max. mph
Standard	6.1 sec.	10.0 sec.	15.3 sec.	23.6 sec.	33.7 sec.	78
SPORT KIT	5.8 sec.	9.5 sec.	14.5 sec.	21.7 sec.	32.0 sec.	80
SPORT KIT(Spec.A.65)	5.2 sec.	8.4 sec.	12.8 sec.	18.0 sec.	27.5 sec.	83

Sport kits are designed to give a good improvement in performance for a very moderate outlay. An additional carburettor is supplied and aerodynamic air entry bells. The original exhaust manifold is modified by cutting off the inlet section, alternatively a full flow tubular manifold is available (see page 5). Speedwell double valve springs and usual accessories complete the specification (See A65). For those who like plenty of power low down and better acceleration, the block can be bored and cylinder head given a slight polish. The result is a pleasure to drive.

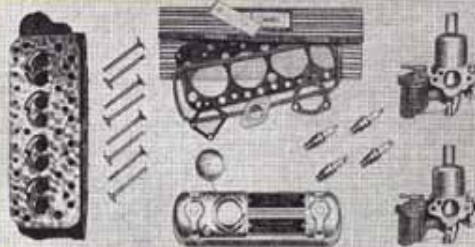
Tyre	Vehicle	Price	Fitting
S.B.1	A.55/Wolseley 15.60 Oxford V etc. ...	£30	£12.10.0
S.B.1	A.55/Wolseley 15.60 Oxford V etc.	£55	£22.10.0

GRAND TOURING KIT

All the above and—
Trim 1½ S.U. Carbs. (A55 etc. only)
Speedwell cylinder head †
Inlet valves (EN 52)
Exhaust valves (KE 965)
KLG sparking plugs
Plated rocker cover †
Gaskets, etc.

£80

Optional: Spec A65
(Bored out block and pistons)
£20



GRAND TOURING KIT

Performance Data:	0.30 mph	0.40 mph	0.50 mph	0.60 mph	0.70 mph	Max. mph
GT. KIT A.55 etc.	4.7 sec.	7.8 sec.	11.1 sec.	15.7 sec.	24.1 sec.	90
GT. KIT RILEY 1.5-4/68 etc.	4.2 sec.	6.9 sec.	9.4 sec.	13.4 sec.	20.8 sec.	92
GT. KIT (Spec. A.65)	4.0 sec.	6.4 sec.	8.5 sec.	12.1 sec.	19.0 sec.	94

The GRAND TOURING kit combines improvement in performance with flexibility. Speedwell cylinder head is completely re-machined to compression ratio suitable for premium fuels (8.7:1.) Oversized inlet and KE 965 exhaust valves are assembled with double springs. Twin 1½ S.U. Carbs. are supplied for those vehicles fitted with single carbs. As original equipment, Spec. A65: The block is bored to increase capacity for even better flexibility and torque at low revs.

Tyre	Vehicle	Price	Fitting
GT.BI	55/Wolseley 15.60 Oxford & Nash	£80	£12.10.0
GT.BI (Spec. A.65)	55/Wolseley 15.60 Oxford & Nash	£100	£22.10.0
GT.CI	Riley 1.5/4.68 Magnett III/ZB	£50	£10. 0. 0
GT.CI (Spec. A.65)	Riley 1.5/4.68 Magnett III/ZB	£70	£20. 0. 0

CLUBMAN 75 KIT

All the above and—
Bored block
High compression pistons
Balanced flywheel †
Balanced crankshaft †
Clutch springs
Gaskets, etc.

£125

Optional extra:
CS2 crankshaft
£11



CLUBMAN 75 KIT

Performance Data:	0.30 mph	0.40 mph	0.50 mph	0.60 mph	0.70 mph	Max. mph
CLUBMAN 75 KIT A.55 etc.	4.6 sec.	7.5 sec.	10.7 sec.	15.1 sec.	23.1 sec.	92
CLUBMAN 75 KIT RILEY 1.5 etc.	4.0 sec.	6.2 sec.	8.0 sec.	12.0 sec.	18.0 sec.	95

The CLUBMAN 75 is not only the ultimate in tuning for normal road use, but a perfect combination for those using their car for personal transport and competition work as well. The block is bored to give a capacity of 1600 c.c. which together with high compression pistons produces a real high speed power unit with good torque characteristics. The balanced crankshaft and flywheel assembly ensures smooth running and long life. A CSB2-high lift crankshaft is available for work only.

Tyre	Vehicle	Price	Fitting
CM.BI	A55/Wolseley	£125	£30
CM.CI	Riley 1.5	£95	£27
Optional extra:	CS.B2 crankshaft	£11	

† Exchange Basis

All Speedwell Components carry a 12 month's guarantee

ALL SPEEDWELL EQUIPMENT IS GUARANTEED FOR 12 MONTHS