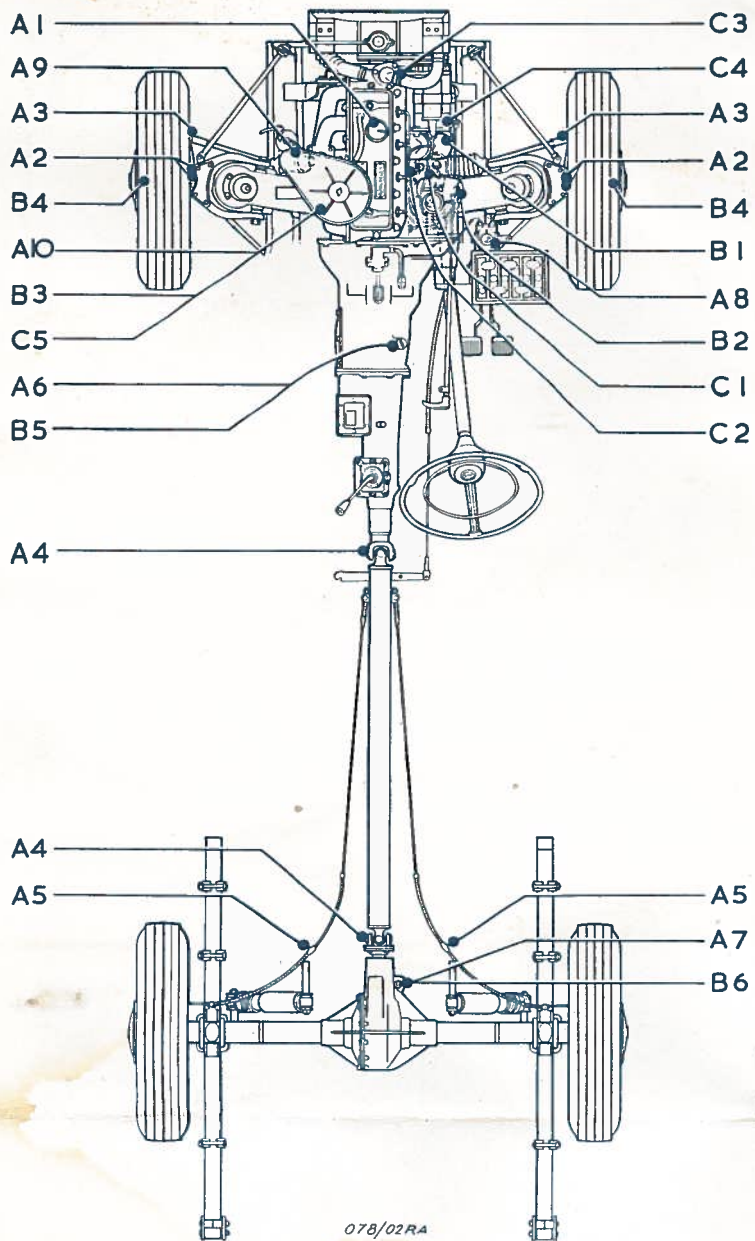




SERVICE GUIDE



LUBRICANTS

Engine	}	ESSO MOTOR OIL 20W/30
Gearbox		
Rear Axle/Differential	}	ESSO GEAR OIL GP 90/140
Steering Rack		
Water Pump, Wheel Hubs, Universal Joints and other Grease Nipples	}	ESSO MULTI-PURPOSE GREASE H
Brake and Clutch Fluid Reservoirs		

CHASSIS POINTS: Esso Gear Oil GP 90/140 may be used as an alternative lubricant to Esso Multi-Purpose Grease H for all chassis points, except Propeller Shaft Joints, wherever shown on this chart.

TECHNICAL DATA

Engine	4-cyl., ohv
Bore x Stroke	73.025 x 89 mm (2.875 x 3.5 in)
Cubic Capacity	1489 cc (90.88 cu in)
Valve Clearances	0.015 in (hot)
Compression Ratio	8.3 : 1 or 7.2 : 1
Spark Plugs, Type	Champion N8, 14 mm
Spark Plugs, Gap	0.025 in
Ignition Timing	5° BTDC (high c.r.), 6° BTDC (low c.r.)
Contact Breaker Gap	0.014 to 0.016 in
Firing Order	1-3-4-2
Front Wheel Alignment	Parallel

TYRES

Size	5.60-15 (Tubeless)
Pressures (cold)	
MG	Front 24 lb/sq in Rear 26 lb/sq in
Wolseley	Front and Rear 26-28 lb/sq in

CAPACITIES (Imperial)

Engine Sump, incl. Filter	7 pt
Gearbox	4½ pt
Rear Axle/Differential	2½ pt
Early models	1½ pt
Cooling System, incl. Heater	10½ pt
Fuel Tank	9½ gal

WINTER PROTECTION: see note on reverse of front cover

SERVICE DETAILS

DAILY: Check engine oil level, cooling system, fuel tank, tyres.

WEEKLY: Check battery electrolyte, tyre pressures.

A. EVERY 3000 MILES

- A1.** ENGINE SUMP: drain (when hot) and refill.
 - A2 to A4 incl.:** lubricate with grease gun.
 - A2.** SWIVEL PINS (4 nipples).
 - A3.** STEERING TIE RODS (2 nipples).
 - A4.** PROPELLER SHAFT UNIVERSAL JOINTS (2 nipples).
 - A5.** PARKING BRAKE CABLES (2 nipples).
 - A6.** GEARBOX: check oil level, top up if necessary.
 - A7.** REAR AXLE/DIFFERENTIAL: check oil level, top up if necessary.
 - A8.** BRAKE AND CLUTCH FLUID RESERVOIR: check fluid level, top up if necessary.
 - A9.** CARBURETTOR(S): remove dashpot cap(s) and insert a few drops of engine oil.
 - A10.** AIR CLEANER, OIL BATH TYPE: clean bowl and element, refill bowl with fresh engine oil.
AIR CLEANER, WIRE GAUZE TYPE: clean element in petrol and re-oil with engine oil.
- CARBURETTOR CONTROLS, HINGES, LOCKS, CATCHES, ETC.: lubricate with a few drops of engine oil.
FAN BELTS, SPARK PLUGS: check and if necessary adjust.
BRAKE SYSTEM: check lines and pipes for leakage, check brakes and brake pedal adjustment.
BATTERY: check electrolyte specific gravity.
WHEEL NUTS: check for tightness.
SHOCK ABSORBERS: check for leakage.
ROAD WHEELS: interchange.

B. EVERY 6000 MILES

- B1.** ENGINE OIL FILTER: clean housing and renew element.
- B2.** IGNITION DISTRIBUTOR: remove rotor and apply a few drops of engine oil on screw thus exposed, one drop on breaker arm pivot and a few drops on automatic advance mechanism through gap round cam spindle. Lightly smear cam profile with grease or oil.
- B3.** AIR CLEANER, DRY TYPE: clean paper element cautiously.
- B4.** FRONT WHEEL HUB CAPS: clean and refill with grease.
- B5.** GEARBOX: drain (when hot) and refill.
- B6.** REAR AXLE/DIFFERENTIAL: drain (when hot) and refill.

TRAFFICATORS: lubricate with a drop of engine oil.
CONTACT BREAKER POINTS, IGNITION TIMING AND ADVANCE MECHANISM, VALVE CLEARANCES, FRONT WHEEL ALIGNMENT: check and if necessary adjust.
CARBURETTOR(S) AND FUEL PUMP: clean filters.
CHASSIS AND BODY: check all nuts and bolts for tightness.

C. EVERY 12000 MILES

- C1.** STEERING PINION HOUSING: lubricate with oil (1 nipple, max. 2 strokes with oil gun).
- C2.** STEERING RACK: lubricate with oil (1 nipple, up to 10 strokes with oil gun).
- C3.** WATER PUMP: lubricate sparingly with grease (remove plug). (Later models only.)
- C4.** DYNAMO: lubricate rear bearing with two drops of engine oil.
- C5.** AIR CLEANER, DRY TYPE: renew paper element.

SPARK PLUGS: renew.
STEERING MECHANISM AND SUSPENSION: check for wear.

M.G. MAGNETTE SERIES ZA (1954-56)
M.G. MAGNETTE SERIES ZB (1956-59)
WOLSELEY 15/50 (1956-59)

B.M.C.
M.G. MAGNETTE/WOLSELEY 15/50