

## FOREWORD

Every possible care is taken during the manufacture of Rootes cars to ensure that they leave the factory capable of giving many miles of trouble-free motoring. **Proper lubrication and maintenance are absolutely essential if satisfactory performance is to be maintained.** For details of the factory's recommendations, reference should be made to the owner's handbook supplied with the car.

When undertaking any repairs or overhaul it is essential that the unit to be worked on is cleaned and kept clean while the work progresses. Dirt is detrimental to the correct functioning of a vehicle and conducive to a high rate of wear.

## INDEX

The various units and systems of the vehicle are dealt with in sections which are listed on page 3, each being distinguished by a reference letter. Each section thus referred to opens with a contents and index page, so that any particular operation can be easily located.

## GENERAL DATA

Comprehensive information regarding dimensions, tolerances and weights is given at the beginning of the Manual.

## ROOTES SPECIAL TOOLS

Certain service operations are greatly facilitated by the use of the specially designed tools manufactured by Messrs. V. L. Churchill & Co., London Road, Daventry, Northants, England. The use of these tools is described under the appropriate section headings.

## DECENTRALISED SERVICE

In order to provide the best possible service for owners, the Rootes dealer organisation throughout the world forms a link between the owner and the factory. All problems relating to the servicing of cars are dealt with through that organisation, dealers having behind them the backing of the factory service department.

Owners who require advice or information which is not dealt with in this Workshop Manual should direct their enquiries to their Rootes dealer. *In all correspondence it is essential that the full chassis number, including prefix and suffix letters is quoted* and that reference is made to any previous correspondence. The chassis number, including the prefix and suffix letters will be found stamped on a plate fixed to the bonnet lock platform. The number is visible from under the bonnet.

The engine number will be found on the right-hand side of the cylinder block. This information may be required for customs purposes.

## FROST PRECAUTIONS

Attention is drawn to the recommendations given in Section "A" (Cooling System). The importance of taking proper precautions against damage by frost cannot be over-emphasised.

**ROOTES CONCESSIONAIRE COMPANIES & REGIONAL OFFICES****AUSTRALIA**

Rootes (Australia) Ltd.,  
P.O. Box 100,  
Port Melbourne, S.C.7,  
Victoria, Australia

**FAR EAST**

Rootes Limited,  
Room 1003/4, Union House,  
Chater Road,  
Hong Kong

Yamato Motor Co. Ltd.,  
22-10 Minami-oi-6 Chome,  
Shinagawa-ku,  
Tokyo, Japan

**CANADA**

Rootes Motors (Canada) Ltd.,  
P.O. Box 174, Station "H",  
Toronto 13, Ontario, Canada

Rootes Motors (Canada) Ltd.,  
25 St. James Street,  
Ville St. Pierre,  
Montreal, P.Q., Canada

Rootes Motors (Canada) Ltd.,  
3135 West Broadway,  
Vancouver, B.C., Canada

**MEXICO**

Refacciones Britannicas S.A.,  
Insurgentes Norte 514, F.,  
Mexico 4, D.F.

**MID AFRICA**

Rootes (C.A.) (PVT) Ltd.,  
P.O. Box 2382,  
Burnley Road,  
Salisbury, Rhodesia

**CARIBBEAN**

Rootes Motors (Western) Ltd.,  
P.O. Box 1479,  
Nassau, Bahamas

**MIDDLE EAST**

The Rootes Group,  
P.O. Box 2289,  
Beirut, Lebanon

**EAST AFRICA**

Rootes (Kenya) Ltd.,  
P.O. Box 3020,  
Nairobi, Kenya

**SOUTH AFRICA**

Stanley Motors Ltd.,  
P.O. Box 7712,  
Stanmot Building,  
30 Eloff Street,  
Johannesburg,  
Republic of South Africa

**EUROPE**

Rootes (Belgique) S.A.,  
126 Rue de Linthout,  
Brussels 4, Belgium

Rootes Motors S.A.,  
6 Rond Pont des Champs Elysees,  
Paris 8, France

Rootes Autos S.A.,  
10 Rue du Commerce,  
1204 Geneva, Switzerland

Rootes Italia S.P.A.,  
Torre Velasca,  
Piazza Velasca 5, Milan, Ital

Rootes Autos (Deutschland) GmbH.  
4 Dusseldorf-Rath,  
Overhausenerstrasse 17,  
P.O. Box (Postfach) 171, Germany

Rootes Motors, A.B.,  
Sveavagen 35-37  
Stockholm C, Sweden

Rootes Espana, S.A.,  
Alcala 95 Piso 6,  
Madrid 9, Spain

**UNITED STATES OF AMERICA**

Rootes Motors Inc.,  
42-32 Twenty-first Street,  
Long Island City 1,  
New York, U.S.A.

Rootes Motors Inc.,  
9830 West Pico Boulevard,  
Los Angeles 35,  
California, U.S.A.

**VENEZUELA**

Rootes Motors de Venezuela S.A.,  
Apartado 621,  
Valencia,  
Edo. Carabobo,  
Venezuela

Names and addresses of dealers in the different territories can be obtained from the above.

Telephone numbers are available in relevant local directories.

**SCHEDULE OF FREE SERVICE****AFTER COMPLETING FIRST 500 MILES (800 KM)**

<b>Cooling System</b>	Examine radiator level and top up if required.
<b>Engine</b>	<p>Check tightness of all cylinder heads (cast iron—hot; aluminium—cold) to correct torque figures.</p> <p>Check manifold nuts for tightness.</p> <p>Examine engine for oil leaks and rectify as necessary.</p> <p>Adjust valve clearances.</p> <p>Examine tension of fan belt and adjust as necessary.</p> <p>Reset contact breaker gap.</p> <p>Drain sump when hot and refill with recommended Shell engine oil.</p>
<b>Clutch and Brakes</b>	<p>Check master cylinder fluid levels. If low, examine for leakage and rectify.</p> <p>Top up as required. Make sure cap vent hole is clear.</p> <p>Examine flexible hoses for twisting or chafing and rectify as necessary.</p> <p>Examine bolts securing back plates or calipers for tightness and retighten as necessary.</p>
<b>Transmission and Controls</b>	<p>Drain gearbox and overdrive (if fitted) and refill.</p> <p>Note: If fitted, do not drain Borg-Warner transmission.</p>
<b>Rear Axle</b>	Drain when hot and refill.
<b>Front Suspension and Steering</b>	<p>Check the following for tightness:—</p> <ul style="list-style-type: none"><li>Steering box fixing bolts.</li><li>Steering arm securing bolts.</li><li>Bolts securing idler lever to chassis.</li><li>Steering linkage ball joints.</li><li>Top and bottom swivel bearing nuts.</li><li>Bottom ball joint bracket fixing.</li><li>Cross-tube locknuts.</li></ul>

	Bolts securing top and bottom fulcrum pins to underframe crossmember. Bolts securing front crossmember to underframe. Check wheel camber and track, reset if necessary. (Use gap gauges). Examine ball pin to socket alignment and correct if required. Examine front hub bearings for smooth operation. Check end float and re-adjust if necessary.
<b>Chassis Details</b>	Check rear road spring "U" bolts for tightness. Examine prop-shaft coupling bolts for tightness.
<b>Shock Absorbers</b>	Check fixing bolts for tightness.
<b>Lubrication</b>	Carry out complete lubrication of vehicle.
<b>Battery</b>	Examine electrolyte level and top-up if required.
<b>Road Test</b>	Carry out brief road test and make the following adjustments as required:— Check ignition timing and reset if necessary. Adjust slow-running. Test brakes, including handbrake. Note any body rattles and rectify as necessary.

## PROPRIETARY ARTICLES CLAIMS

Dealers should make all claims relative to the items in the following list direct to the manufacturers, in accordance with the addresses given

Ammeter ... ..	}	Joseph Lucas Ltd., Service Dept., Great Hampton Street, Birmingham
Battery ... ..		
Cables ... ..		
Coil ... ..		
Voltage control regulator ... ..		
Distributor ... ..		
Generator or alternator ... ..		
Bulbs ... ..		
Flasher unit and relay ... ..		
Fuse unit ... ..		
Lamps ... ..		
Starter motor ... ..		
Steering column controls ... ..		
Windscreen wiper ... ..	or	Clear Hooters Ltd., Bedworth, Warwickshire
Horns ... ..		
Thermometer ... ..	}	S. Smith & Sons (M.A.) Ltd., North Circular Road, Cricklewood, London, N.W.2
Voltage regulator (instruments) ... ..		
Instrument panel ... ..		
Oil gauge ... ..		
Fuel gauge ... ..		
Speedometer and cable ... ..		
Clock (Phillips bulb) ... ..		
Tachometer (impulse type) ... ..		A.C. Delco, Dunstable, Bedfordshire,
Fuel pump ... ..		
Air Cleaner ... ..	or	A.C. Delco, Dunstable, Bedfordshire, Tecalemit (Engineering) Ltd., Plymouth, Devon.
Carburettors (Zenith and Stromberg) ... ..		The Zenith Carburettor Co. Ltd., Honeypot Lane, Stanmore, Middlesex Solex Ltd., 223-231 Marylebone Road, London, N.W.1
(Solex) ... ..		
Radio ... ..		S. Smith & Sons (Radiomobile) Ltd., North Circular Road, Cricklewood, London, N.W.2
Shock absorbers ... ..	or	Armstrong Patents Ltd., Beverley, Yorkshire
	or	Girling Ltd., King's Road, Tyseley, Birmingham
	or	Woodhead-Monroe, Kirkstall Road, Leeds
Heater and demister ... ..		S. Smith & Sons (M.A.) Ltd., North Circular Road, Cricklewood, London, N.W.2

*In overseas markets an approach should be made to the proprietary manufacturers local company or agency in the territory in which the vehicle operates*