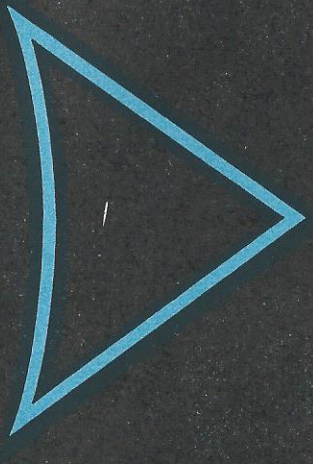
OWNER'S INSTRUCTION MANUAL

ROVER 2000

PART No. 4600

OWNER'S INSTRUCTION MANUAL

ROVER 2000



A MESSAGE TO THE OWNER

Whether you are a novice or veteran, whether you are technically minded or the reverse, The Rover Company, who have provided your new Rover 2000, ask you to read the few following pages of this book and the Rover Owner's Service Guide which accompanies it.

SERVICE DEPARTMENT,
Solihull, Warwickshire

Telephone : Sheldon 4242 *Telegrams : Rovrepair, Solihull*
Telex : 33-156

LONDON SERVICE DEPOT,
Seagrave Road, Fulham, London, S.W.6

Telephone: Fulham 1221 *Telegrams: Rovrepair, Wesphone, London*

By Appointment to Her Majesty Queen Elizabeth II

Manufacturers of Motor Cars and Land-Rovers

By Appointment to Her Majesty Queen Elizabeth the Queen Mother

Suppliers of Motor Cars and Land-Rovers

THE ROVER COMPANY LIMITED

SOLIHULL
WARWICKSHIRE
ENGLAND

GENERAL CARE

Fully illustrated details of all the maintenance required will be found in the Owner's Maintenance Manual, but you should note the following:

Running-in period

Progressive running-in of your new car is important and has a direct bearing on durability and smooth running throughout its life.

The most important point is not to hold the car on large throttle openings for any sustained period.

To start with the maximum speed should be limited to 50-60 m.p.h. (80-95 k.p.h.) on a light throttle and this may be progressively increased over the first 1,500 miles (2.500 km).

Water

Do not forget to keep the screen washer bottle filled with water; add methylated spirits in winter to prevent freezing.

The radiator water level should be checked occasionally.

The cooling system is pressurised and care must be taken when removing the radiator filler cap when the engine is hot; first turn it anti-clockwise to the stop and allow all pressure to escape, before turning further in the same direction to lift it off.

When replacing the filler cap, it is important that it is tightened down fully, not just to the first stop. Failure to tighten the filler cap properly may result in water loss, with possible damage to the engine through overheating.

With a cold engine the correct water level is one inch below the bottom of the filler neck.

Frost precautions

As it is impracticable to drain the cooling system fully due to water being retained in the heating system, a good quality glycol-base anti-freeze solution must be used during cold weather.

For full details, see Owner's Maintenance Manual or consult a Rover Distributor or Dealer.

Battery acid level

Make sure that the battery acid level is above the top of the separators in each cell. Do not over-fill.

Tyre pressures

These should be checked every month; it is important to keep to the recommended pressures of:

Front: 26 lb/sq. in. (1,8 kg/cm²)
Rear: 28 lb/sq. in. (1,9 kg/cm²)

For high-speed touring and use under fully-laden conditions, see Data Section in this book.

When tyres are changed, road wheels should be carefully inspected for possible damage.

Tyres

The tyres used on this car have been specially selected to give the best all-round performance, and it is strongly urged that when replacements are required these should be as currently specified by the Company.

Fuel recommendations

The 9.0:1 compression ratio engine is designed to run on premium fuel, that is, fuel with an octane rating of between 95-97. No advantage will be gained by the use of 100 octane fuel. For 7.5:1 compression ratio engines see Owner's Maintenance Manual.

Oil recommendations

Use only the recommended grades of oil as set out below:

The oil level dipstick will be found on the right-hand side of the engine and the oil filler cap is screwed into the rocker cover at the front of the engine.

Oil consumption is likely to improve during the first 5,000 miles of the car's life as the piston rings, etc., bed in.

These recommendations apply to temperate climates where operational temperatures may vary between approximately 10°F (—12°C) and 90°F (32°C).
Information on recommended lubricants for use under extreme winter or tropical conditions can be obtained from The Rover Co. Ltd., Technical Service Department, or your local Distributor or Dealer.

COMPONENTS	SAE	BP	CASTROL	DUCKHAM'S	ESSO	MOBIL	REGENT TEXACO/ CALTEX	SHELL
ENGINE, GEARBOX AND DE DION TUBE	20W	Energol SAE 20W	Castrolite	Duckham's NOL Twenty	Esso Motor Oil 20W/30	Mobiloil Arctic	Advanced Havoline 20/20W	Shell X-100 20W
FINAL DRIVE UNIT AND STEERING BOX	90EP	Energol SAE 90 EP	Castrol Hypoy	Duckham's Hypoid 90	Esso Gear Oil GP 90/140	Mobilube GX 90	Universal Thuban 90	Spirax 90 EP
PROPELLER SHAFT SLIDING SPLINE; FRONT AND REAR HUBS	—	Energrease L2	Castrolease LM	Duckham's LB10 Grease	Esso Multi-purpose Grease H	Mobilgrease MP or Mobilgrease Special	Marfak Multi-purpose 2	Retinax A

Brakes

Never coast downhill with the engine switched off as the brake servo will not be operative. The brakes will, however, function through the hydraulic system when the brake pedal is depressed, but more foot pressure will be required.

Spare wheel

The spare wheel is housed in the boot. A cover is provided to prevent the soiling of articles in the boot.

Cars with spare wheel position on boot lid: Full instructions for locating the spare wheel on the boot lid will be found in the Owner's Maintenance Manual.

Jack and wheel brace

These will be found between the spare wheel and the left-hand wheelarch.

Jacking points are fitted at four points, two on either side of the body, and are protected by rubber plugs.

To use the jack, remove the appropriate rubber plug, insert jack extension into tube, and turn jack handle.

To remove hub cover plate, use flat end of wheel brace.

When the wheel has been replaced, do not forget to refit the rubber plug in the body side.

Tools

Other tools are contained in a roll located with the wheel brace and jack.

IMPORTANT POINTS TO REMEMBER

1. Read the Rover Service Guide supplied in the plastic literature wallet. Important Warranty information will be found in this book.
2. Use only the recommended lubricants and fuel of the correct octane rating.
3. Maintain correct tyre pressures.
4. If sparking plug replacements are required, use only the correct type as specified in the Data Section of this book.
5. Let a Rover Distributor or Dealer service your Rover 2000, and use only genuine Rover parts.

GENERAL DATA

Engine

Bore and Stroke	3,375 in. (8,57 cm)
Cylinder capacity	120.8 cu.in. (1,978 cc) 4 cylinders
Compression ratio	9.0:1 (7.5:1 Certain Export Territories)
B.H.P.	9.0:1 compression ratio 90 at 5,000 r.p.m. 7.5:1 compression ratio 80 at 5,000 r.p.m.
Maximum torque	9.0:1 compression ratio 113.5 lb/ft. (15,5 mkg) at 2,750 r.p.m. 7.5:1 compression ratio 106 lb/ft. (14,8 mkg.) at 2,500 r.p.m.
Firing order	1, 3, 4, 2
Sparking plugs, 14 mm	9.0:1 compression ratio Champion N.9Y or Lodge HLNY 7.5:1 compression ratio Champion N.5 or Lodge HBLN
Sparking plug point gap	.023 to .027 in. (0,60 to 0,70 mm)
Distributor contact breaker gap	.014 to .016 in. (0,35 to 0,40 mm)

Tyres

Size

Standard:
Pirelli Cinturato 165 x 14, with inner tubes;
Dunlop SP 41 165 x 14, tubeless

Pressures—all speeds and normal loads
Check with tyres cold

lb/sq.in.	*Front*	26	*Rear*	28
kg/cm²		1,8		1,9

For high-speed touring the tyre pressures should be checked more frequently, even to the extent of a daily check.

When the car is driven fully laden, the rear tyre pressures should be increased by 4 lb/sq.in. (0,3 kg/cm²)

Capacities

Component	Imperial unit	U.S. unit	Litres
Engine sump oil	8 pints	9½ pints	4,5
Extra when refilling after fitting new filter	1 pint	1.2 pints	0,5
Gearbox oil, 4-speed	1¾ pints	2 pints	1,0
Final drive unit oil	2½ pints	3 pints	1,5
Fuel tank	12 gallons	14 gallons	55,0
Including a reserve of	1¼ gallons	1½ gallons	6,0
Cooling system	17 pints	20½ pints	10,0

Dimensions

Overall length	14 ft 10½ in. (4,53 m)
Overall width	5 ft 6 in. (1,68 m)
Overall height	4 ft 6¾ in. (1,39 m)
Wheelbase	8 ft 7⅜ in. (2,63 m)
Track, front	4 ft 5⅜ in. (1,35 m)
Track, rear	4 ft 4½ in. (1,33 m)
Ground clearance (under final drive unit)	8½ in. (21,6 cm)
Turning circle	31½ ft. (9,6 m), lock to lock 3¾ turns
Weight, with water, oil and 5 gallons (22 litres) of fuel	2767 lb (1 255 kg)

Replacement headlamp units and bulbs

Headlamps	Inner headlamp		Outer headlamp	
	Sealed beam unit	Bulb	Sealed beam unit	Bulb
Home market, R.H.D...	Lucas 54521805	—	Lucas 54521806	—
Export, except France, Austria, Italy, and North America ..	Lucas 54521805	—	—	Lucas 410
France	Lucas 54520931	—	—	Lucas 411
Austria	Lucas 54521615	—	—	Lucas 410
Italy	—	Lucas 410	—	Lucas 410
North America ..	Special	—	Special	—

Component	Lucas No.
Side lamps	989
Stop-tail lamps	380
Direction indicator lamps	382
Rear number plate lamp	989
Instrument panel light	987
Warning lights, direction indicator and main beam	643
Warning lights, choke, oil, brake and ignition	12 volt 3.6 watt
Interior lights, festoon bulb	254
Clock	281
Reverse lamp	382
Rear luggage boot lamp	209
Map reading lamp	254

By Appointment to
Her Majesty
Queen Elizabeth II

Manufacturers
of Motor Cars and
Land-Rovers

The Rover Company Limited