



Range Rover

SPECIFICATIONS

ENGINE An o.h.v. all-aluminium high performance V8. Bore 88.9 mm. Stroke 71.1 mm. Cubic capacity 3.528 litres. Comp ratio, 8.13:1. Max. Power 100 Kw @ 4,900 rpm. Max. torque 250 Nm @ 2500 rpm. Aluminium alloy cylinder block with inserted iron liners, cast integrally with crankcase. Aluminium alloy cylinder heads with in-line valves for breathing efficiency. Separate aluminium alloy inlet manifold with two carburettors. Self adjusting hydraulic tappets. Pistons are of a special light-weight full skirt design and incorporate a shallow circular depression in the crown. The counter-weighted crankshaft runs in five lead-bronze/lead indium overlay shell bearings and is fitted with a torsional vibration damper. A gear-driven oil pump delivers oil under pressure, to the main, big-end and camshaft bearings, the hydraulic tappets, distributor drive shaft and valve rocker gear. The cylinder bores are lubricated by a jet of oil from each connecting rod. A full-flow oil filter is fitted.

COOLING SYSTEM Pressurised type (103.3 kPa) with pump, fan, thermostat and pressurised expansion tank.

Capacity of system approximately 11 litres.

Crossflow radiator.

FUEL SYSTEM An 82 litres tank is located at the rear between the chassis frame members. A fascia warning light flashes when the fuel level drops below approximately 13.6 litres. The Bendix electric pump supplies fuel to two Zenith-175 CD carburettors.

TRANSMISSION Clutch is of the diaphragm spring, single dry plate type — 267 mm diameter. The main gearbox has four forward and one reverse speeds, manually operated with synchromesh on all forward gears. The transfer gearbox is of the two-speed reduction type on the main gearbox output. Front and rear drive are permanently engaged via a third differential which can be locked by a vacuum control switch, mounted on the gearbox. Front and rear axles are of the spiral bevel type, the front having enclosed constant velocity joints. Differential ratio for each is 3.54 : 1. Auto transmission now available.

OVERALL RATIOS (Final Drive)

	High Transfer	Low Transfer
Top	3.95	11.76
Third	5.95	17.69
Second	9.67	28.78
First	16.08	47.83
Reverse	14.48	43.07

STEERING Power assisted Burman recirculating ball, worm and nut type incorporating an A.C. safety column with security locking device. Steering wheel diameter 430 mm. Steering box ratio 20.55:1 Turning circle 11.3 m, 3.5 turns lock to lock.

FRONT SUSPENSION Coil springs. Axle located by radius arms and Panhard rod. Control is by long-stroke hydraulic telescopic dampers.

REAR SUSPENSION Coil springs. Axle located by radius arms, support rods and central wishbone assembly, incorporating a 'Boge Hydromat' self-energising ride-level unit. Control is by long-stroke hydraulic telescopic dampers.

BRAKES Lockheed disc brakes are fitted front and rear and are servo-assisted for easy pedal operation. A dual line piping system ensures emergency braking to individually piped calipers on the front discs. The hand-brake is of internal expanding drum type, operating on the transfer box rear output shaft.

WHEELS AND TYRES Pressed-steel enamelled wheels, five stud fixing — size 6.00 JK x 16. Tyres: Michelin radials XM + S205 x 16 (tubed).

LIGHTING Headlamps sealed beam. Main beam 75 watt, dipped beam 50 watt. The head/side lamp switch and the combined headlamp flasher, dip, direction indicator and horn switch are mounted on the steering column nacelle below the steering wheel. A similar switch is provided for fog and spot lamps (optional extra). Sidelamps and indicator lamps are mounted on the front body corners and the rear tail/stop-indicator lamp unit incorporates a reversing lamp. A hazard warning system is standard and is operated by a switch on the fascia.

HEATING AND VENTILATION SYSTEM The heating and ventilation system provides either fresh or recirculated air. Air is drawn through an opening below the windscreen where the intake of traffic fumes is minimised. Individual face level vents and a central vent can be adjusted as required. Extractor grilles in the rear quarter panels allow natural 'through-flow' ventilation.

WINDSCREEN WIPERS AND WASHERS Two-speed windscreen wipers incorporating a flick-wipe facility are operated by a steering column switch which also actuates the electrically-operated windscreen washers. Rear screen is fitted with a single speed wiper and washer.

BASIC CONSTRUCTION The construction makes use of a welded box section chassis frame and a steel base unit to which the skin panels are applied as separate, painted units. Most body panels are of non-corrosive aluminium alloy. The two wide doors are forward hinged and open to approximately 90°. Each have wind-down windows and opening quarter vents. A laminated windscreen is fitted. Large rear side windows slide rearward to open and have a push button release.

Rear body floor is strong corrugated aluminium and has a moulded rubber mat. The lower full-width tailgate is of steel and has a single centre locking handle. The pneumatically-assisted upper tailgate is provided with a security lock.

BODY INTERIOR Individual front seats have integral lap and diagonal safety harnesses and are fitted with a mechanism which allows the backrest to tip and automatically slide the seat assembly forward for ease of access to the rear seat.

Doors have combined armrest/door pull with twin interior operating handles, for front and rear passengers. Each door has a sliding catch security lock. The full width rear seat can be folded for greater payload area.

Rear seat backrest catch operated by central handle.

Spare wheel mounted on left-hand side of body, with fabric wheel cover.

Interior appointments include: Interior roof light, operated either by opening the doors or by an independent switch; ashtray on transmission tunnel; twin collapsible sun visors; safety spring-out interior rear view mirror; integral parcel tray/passenger grab handle; spacious glove box; stereo cassette with touch sensitive AM/FM radio; tinted windows (excluding windscreen); inertia reel seat belts; laminated windscreen; heavy duty alternator.

Instrumentation consists of a speedometer, fuel gauge, water temperature gauge, battery voltmeter, oil pressure gauge, oil temperature gauge, nine warning lights and an electric clock.

OVERALL DIMENSIONS AND DATA Wheelbase 2540 mm; Track 1490 mm; Ground clearance (under axles) 190 mm — (under c/l vehicle) 320 mm; Turning circle 11.3 m; Overall length 4470 mm; Overall width 1780 mm; Overall height 1780 mm.

WEIGHTS

	Front Axle kg	Rear Axle kg	Total kg
Unladen plus 22.5 litres fuel	862	862	1724
Gross weight	1070	1650	2720
*Total payload	—	—	996
*i.e. five persons + 650 kg or two persons + 860 kg			

NOTE: These figures include an allowance of 100 kg for the fitting of a winch (or auxiliaries) which is restricted to the front of the vehicle only. Maximum axle loadings must not be exceeded.

Towing Capacity

	Trailer weight kg	Trailer weight & vehicle kg
'Off-road' trailer	1000 kg	3504 kg
'On-road' 2-wheel trailer (over-run brakes)	2000 kg	4504 kg
4-wheel road trailer with power brakes	4000 kg	6504 kg
Limited use, emergency purposes only. Max. road speed 30 km/h	6000 kg	8504 kg
Subject to State Legislation.		

IMPORTANT NOTICE

The specification of this model is correct at March, 1980, but as development is a continuing process, please check details with your dealer. Leyland Australia is constantly seeking ways to improve the specification design and production of its vehicles and alterations take place continually. While every effort is made to produce up to date literature, this brochure should not be regarded as an infallible guide to current specifications, nor does it constitute an offer for sale of any particular vehicle. Dealers and Distributors are not agents of Leyland Australia and have absolutely no authority to bind Leyland Australia by any express or implied undertaking or representation.