Leyland Land Rover

109″ Wheelbase, Series III

Leyland Land Rover 109" Wheelbase, Series III. Specifications.

ENGINES

2.25 PETROL 4 CYLINDER.

No of cylinders	4
Bore	90.47 mm (3.562 in.)
Stroke	88.9 mm (3.5 in.)
Capacity	2,286 c.c. (139.5 in³)
Compression ratio	8:1
Max B.H.P. (D.I.N.)	52 kw @ 4,000 r.p.m.
Max Torque (D.I.N.)	159 Nm @ 2,000 r.p.m.

2.25 DIESEL 4 CYLINDER.

No. of cylinders	4
Bore	90.47 mm (3.562 in.)
Stroke	88.9 mm (3.5 in.)
Capacity	2,286 c.c. (139.5 in³)
Compression ratio	23:1
Max B.H.P. (D.I.N.)	46 kw @ 4,000 r.p.m.
Max Torque (D.I.N.)	137 Nm @ 1,800 r.p.m.

2.6 PETROL 6 CYLINDER.

No. of cylinders	6
Bore	77.8 mm (3.063 in.)
Stroke	92.075 mm (3.625 in.)
Capacity	2,625 c.c. (160.3 in³)
Compression ratio	7.8:1
Max B.H.P. (D.I.N.)	64 kw @ 4,200 r.p.m.
Max Torque (D.I.N.)	179 Nm @ 2,000 r.p.m.

LUBRICATION SYSTEM

Pressurised by submerged gear type pump. Gauze pump-intake filter in sump plus external AC-Delco full flow filter. Oil cooler on 6 cylinder models. Sump capacity: 6.8 litre (12 pints) plus 0.57 litre (1 pint) when new filter fitted.

COOLING SYSTEM

Pressurised with pump, fan and thermostat.

FUEL SYSTEM

2.25 PETROL — Zenith down-draught type carburettor 36I.V.E. AC.-Delco mechanical pump with sediment bowl and priming lever.

2.25 DIESEL — C.A.V., D.P.A. Distributor type injector pump (self governing). A.C.-Delco high pressure mechanical pump with hand primer. C.A.V. pintaux injectors.

2.6 PETROL — carburettor: Zenith 175 CD 2S. pump: Bendix electric — fully sealed.

TRANSMISSION

CLUTCH
Single dry plate 241 mm (9½ in.) diameter. Diaphram spring type. Hydraulic operation.

MAIN GEARBOX
Single helical constant mesh with synchromesh on all forward gears.

TRANSFER GEARBOX
Two speed reduction on main gearbox output. Two/four wheel drive control on transfer box output.

PROPELLER SHAFTS
Open to front and rear axles.

AXLES

Front — Spiral bevel: floating shafts. Ratio 4.7:1
Rear — Hypoid bevel: floating shafts. Ratio 4.7:1

OVERALL RATIOS

(Final drive)

	High Transfer	Low Transfer
Top	5.40 : 1	11.10 : 1
Third	8.05 : 1	16.50 : 1
Second	12.00 : 1	24.60 : 1
First	19.88 : 1	40.70 : 1
Reverse	21.66 : 1	44.30 : 1

POWER TAKE-OFF POINTS

Central and rear power take-off drives available as optional extras.

CHASSIS

Frame.
Welded twin channel construction side members with fabricated box section cross members, black enamel dipped. Channel section galvanised front bumper.

SUSPENSION

Semi-elliptic, underslung road springs. Hydraulic double acting telescopic shock absorbers.

STEERING

Recirculating ball, worm and nut. 432 mm (17 in.) diameter steering wheel. No. of turns lock to lock— 3½.

BRAKES

Foot brake:
Hydraulic drum brakes 279.4 mm (11 in.) diameter drums, servo assisted, dual line system.

Hand brake:
Mechanical, internal expanding drum brake on transfer box output.

WHEELS & TYRES

Ventilated disc wheels: Size 5.50F x 16 in.
Standard tyre and tube size: 750 x 16 in.
Standard tread: Dual purpose (road and cross country).
Special purpose tyres are available as optional extras.

ELECTRICAL SYSTEM

Negative earth, 12 volt.

Battery — Petrol models: 68 AH.
— Diesel models: 95 AH.
Alternator — 15 ACR.
Windscreen Wipers — Dual arms, electric washers.
Horn — Windtone, horn push on steering column stalk.
Heater/Demister — Fresh air type.

INSTRUMENTS & CONTROLS

Large diameter speedometer with total km recorder, incorporating oil pressure, headlamps main beam and cold start warning lights. Fuel and water temperature gauges combined with charging warning light. Panel lights illuminate speedometer, water temperature and fuel gauges.

PETROL MODELS: Combined ignition/starter switch operated by key. Toggle switch for head, side and tail lamps. Dip switch operated by steering column control stalk.

DIESEL MODELS: Heater/starter/auxiliary switch operated by key. Toggle switch for head, side and tail lamps. Engine stop control. Dip switch operated by steering column control stalk.

LIGHTING

Head lamps, side lamps, tail lamps — twin units having double filament stop/tail bulbs. Number plate illumination. Reversing lamps.

BODY

All body panels are non-corrosive light alloy, and all external steel fittings are galvanised.

COLOURS

Body colour — Camino gold
Wheels — Limestone (cream).
Trim — Tan (black in station wagons).

OPTIONAL EQUIPMENT

A wide range of optional equipment is available for all models.

IMPORTANT

The specification of this model is correct at April, 1978, but as development is a continuing process, please check details with your dealer.

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LAND-ROVER