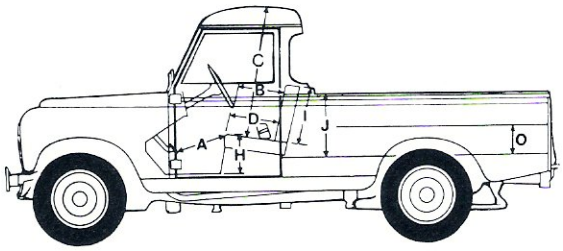
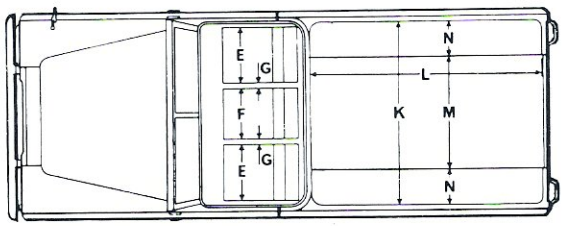
Land Rover

LAND ROVER 109'' Wheelbase, Series III

NOMINAL CHASSIS DIMENSIONS

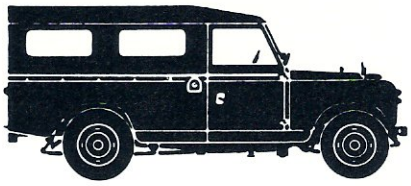




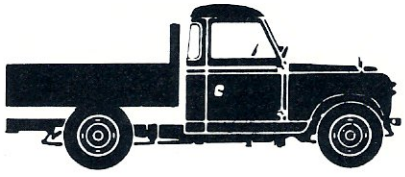
		Ins.	Metres
	Wheelbase	109.00	2.768
	Track	52.50	1.33
	Overall length	175.00	4.445
	Overall width (over hinges)	66.00	1.676
	Overall height of cab	75.50	1.92
	Overall height with hood	78.00	1.98
	Ground clearance	8.25	0.209
A	Front cushion to accelerator pedal	17.25	0.438
B	Front squab to steering wheel	14.50	0.368
C	Headroom front seat (uncomp.)	39.00	0.991
D	Front to rear of front cushion	16.00	0.406
E	Width of front cushion	18.00	0.457

		Ins.	Metres
F	Width of front centre cushion	15.00	0.381
G	Width between front seats	1.00	0.025
H	Top of front cushion to floor	14.50	0.368
I	Front squab height	17.00	0.431
J	Height of body sides	19.50	0.495
K	Width of body interior	56.87	1.444
L	Length of body interior	72.75	1.85
M	Interior body width between wheel boxes	36.25	0.921
N	Width of wheel boxes	10.00	0.254
O	Height of wheel boxes	9.00	0.229

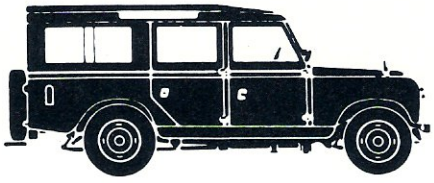
HARDTOP



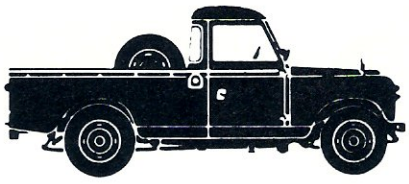
TRAY BODY



10 SEATER STATION WAGON



TRUCK CAB STANDARD



ENGINES

2.25 PETROL

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 in^3)
Compression ratio — 8:1
Max B.H.P. (Din) — 52 Kw @ 4000 R.P.M.
Max torque (Din) — 159 Nm @ 2000 R.P.M.

2.25 DIESEL

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 in^3)
Compression ratio — 23:1
Max B.H.P. (Din) — 42 Kw @ 4000 R.P.M.
Max torque (Din) — 137 Nm @ 1800 R.P.M.

2.6 PETROL

No of cylinders — 6
Bore — 77.8 mm (3.063 in)
Stroke — 92.075 mm (3.625 in)
Capacity — 2625 c.c. (160.3 in^3)
Compression ratio — 7.8:1
Max B.H.P. (Din) — 57 Kw @ 4200 R.P.M.
Max torque (Din) — 167 Nm @ 2000 R.P.M.

LUBRICATION SYSTEM

Pressurised by submerged gear type pump. Gauze pump-intake filter in sump plus external A.C. Delco, full flow filter.
Oil cooler on 6 cylinder models. Sump capacity — 6.8 litres (12 pints)

LANDROVER 109'' Wheelbase Series III

COOLING SYSTEM
Pressurised with pump, fan and thermostat.

FUEL SYSTEM
2.25 Petrol — Zenith down-draught type carburettor 36IVE.A.C.-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 C.D. 2S pump: Bendix electric — fully sealed.

CLUTCH
Single dry plate 241 mm (9½ in) diameter. Diaphragm 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.

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

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
Footbrake — Hydraulic drum brakes 279.4 mm (11 in) dia. drums, servo assist., dual line system.
Hand brake — mechanical, internal expanding drum brake on transfer box output.

WHEELS AND TYRES
Ventilated disc wheels. Size: 5.50F x 16 in.
Standard tyre and tube size: 7.50 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 A.H.
— Diesel models: 95 A.H.
Alternator — 15 A.C.R.

WINDSCREEN WIPERS
Dual arm, 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 switches 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.

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

IMPORTANT
The specification of this model is correct at March, 1979, but as development is a continuing process, please check details with your dealer.

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LAND-ROVER

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