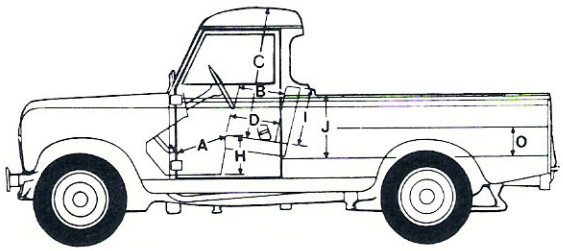
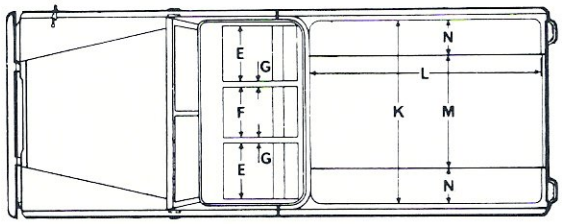
Land Rover

LAND ROVER 109'' Wheelbase, Series III 3.5

NOMINAL CHASSIS DIMENSIONS

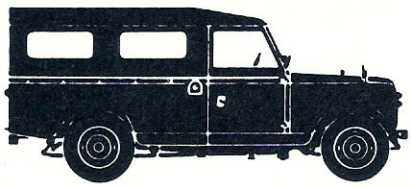




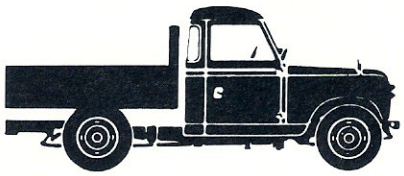
		mm
	Wheelbase	2768
	Track	1334
	Overall length	4445
	Overall width (over hinges)	1680
	Overall height of cab	2006
	Overall height with hood	1980
	Ground clearance	209
A	Front cushion to accelerator pedal	468
B	Front squab to steering wheel	350
C	Headroom front seat (uncomp.)	991
D	Front to rear of front cushion	420
E	Width of front cushion	460

		mm
F	Width of front centre cushion	380
G	Width between front seats	25
H	Top of front cushion to floor	380
I	Front squab height	540
J	Height of body sides	495
K	Width of body interior	444
L	Length of body interior	1850
M	Interior body width between wheel boxes	920
N	Width of wheel boxes	254
O	Height of wheel boxes	229

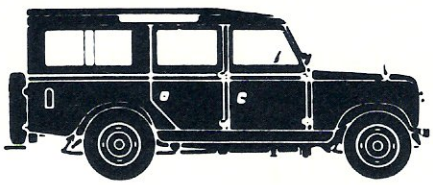
HARDTOP



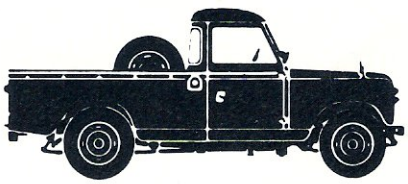
TRAY BODY



10 SEATER STATION WAGON



TRUCK CAB STANDARD



ENGINE

3.5 Petrol
No. of Cylinders — 8
Bore — 88.9mm
Stroke — 71.12mm
Capacity — 3528cc
Compression Ratio — 8.13:1
Max. Power — 69 kw @ 3500 R.P.M.
Max. Torque — 230Nm @ 2000 R.P.M.

LUBRICATION SYSTEM

Pressurised by external pump on right-hand side of block.
206-275kPa at 2400 R.P.M.
Red warning light on instrument panel when pressure drops below 69kPa (10 lb/in^2). Filtration through gauze intake pump filter in sump plus external full flow filter. Oil capacity 5.68 litres including 0.568 litres in filter.

LANDROVER 109'' Wheelbase Series III 3.5

COOLING SYSTEM
Type — pressurised with centrifugal pump, viscous coupled fan, wax type thermostat (80°C opening), expansion tank and cross flow radiator.
Fan type — 7 blade plastic (406 mm).
Capacity — 11.75 litres.

FUEL SYSTEM
Twin Zenith/Stromberg C.D.S.E. carburettors. Cold start control — variable jet size with manual control and amber warning light on dash.
Bendix electric fuel pump with maximum working pressure — 24-34kPa
Fuel Tank — capacity 68 litres.

CLUTCH
Single dry plate diaphragm spring type. 267mm diameter. Hydraulic operation.

MAIN GEARBOX
Four speed and reverse. Synchromesh on forward gears.

TRANSFER GEARBOX
2 Speed reduction on main gearbox output. Front and rear drive permanently engaged via a lockable 3rd differential. Differential locked by a vacuum control from a heel board mounted switch. Two speeds controlled by a speed change lever with high/neutral/low positions.

PROPELLER SHAFT
Open type 50 mm diameter. Front shaft with double hook joint at gearbox end and gaiter fitted to sliding coupling.

AXLES
Front — Spiral bevel type with enclosed constant velocity joints. Ratio 3.5385:1
Rear — Hypoid bevel fully floating. Ratio 3.5385:1

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 diameter steering wheel. No. of turns lock to lock — 3½.

BRAKES
Footbrake — Hydraulic drum brakes 279.4 mm dia. drums, servo assist., dual line system. Frictional lining area 1432 cm^2.
Handbrake — Mechanical, internal expanding drum brake on transfer box output shaft.

WHEELS AND TYRES
Ventilated disc wheels. Size 5.50J x 16 in.
Standard tyre and tube size: 7.50 x 16 in x 6 ply.
Standard tread: dual purpose (road and cross country).
Special purpose tyres are available as optional extras.

ELECTRICAL SYSTEM
Negative earth, 12 volt
Battery — 68 AH
Alternator — 18 A.C.R.
Windscreen wiper and washer — two speed twin arms and blades with rack and pinion final drive. Electric washers.
Horn — Windtone horn push on steering column stalk.
Heater/demister — fresh air type with two speed fan control.

INSTRUMENTS & CONTROLS
Large diameter speedometer with total km recorder and tripmeter, incorporating oil pressure, headlamps main beam and cold start warning lights. Panel lights illuminate speedometer, water temperature and fuel gauge.
Combined ignition/starter switch operated by key. Toggle switches for head, side and tail lamps. Dip switch operated by steering column control stalk.

LIGHTING
Headlamps. 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.

OVERALL RATIOS
(FINAL DRIVE)

	High Transfer	Low Transfer
Top	4.7281:1	11.7497:1
Third	7.1154:1	17.6822:1
Second	11.5745:1	28.7634:1
First	19.2390:1	47.8101:1
Reverse	17.3253:1	43.0538:1

Differential Ratio (both axles) 3.54:1

WEIGHT

MODEL	HT	UTE	CC	SW
TARE (kg)	1650	1570	—	1770
GVM (kg)	2760	2760	2760	2760
GCM (kg)	6750	6750	6750	6750

IMPORTANT
The specification of this model is correct at June, 1980, but as development is a continuing process, please check details with your dealer.
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LAND-ROVER