# LAND ROVER 1100 Heavy Duty 6 x 6



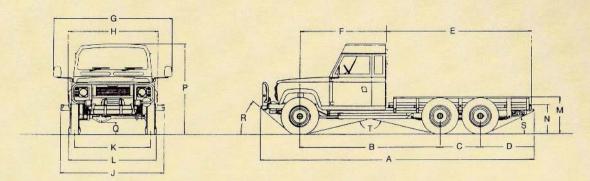


## LAND ROVER 110 Heavy Duty 6 x 6

**CHASIS & SUSPENSION** HEAVY DUTY 6 X 6 ISUZU 4BD1 T **ENGINE** Hot dip galvanised tubular steel frame with welded box 4 Cylinder turbocharged direct injection diesel Frame Type section crossmembers 3.856 litres Capacity Pressed steel front bumper 90 kW @ 3000 r.p.m. Max. Power Axle located by leading arms and panhard Front DIN 70020 net rod and supported by long travel coil springs and Suspension telescopic dampers. 314 Nm @ 2,200 r.p.m. Max. Torque 1750 kg capacity 12 volt x 70 amp output, belt driven from crankshaft, Alternator incorporating vacuum pump for braking system. Dual rate semi-elliptic leaf springs linked via Rear shackles to a rubber bushed load sharing rocker beam. Suspension Bosch in line type with combined pneumatic and Injection System Axle movement is controlled by four long travel telescopic dampers and steel cable rebound straps. Air Cleaner Donaldson two stage dry element type with filter 4100 kg capacity. replacement indicator Adwest power-assisted variable ratio worm and peg Steering type 17.5:1 ratio - straight ahead. Chassis mounted with single silencer discharging on Exhaust System right hand side of vehicle Left or right hand drive. Cross flow radiator with expansion tank Cooling System Dual line vacuum hydraulic system. Brakes Pressurised to 100 kPa Heavy duty steel disc 6.00 F x 16 - 7 off Wheels and Single dry plate diaphragm spring 275mm ida. Clutch Steel belted radial ply tyres 7.50 R 16 LT Tyres Vertical discharge exhaust system Options x 8 ply - 7 off Engine exhaust brake Spare wheel is located under chassis behind rear axle. Supplementary 28 volt x 100 amp military alternator Twin 65 litre mid mounted fuel tanks with fillers in **Fuel System** cabin side panels. Motorised fuel change over valve. 12 volt 98 amp hour low maintenance lead acid battery Battery on carrier in engine compartment. LAND ROVER 3.5 V8 **ENGINE** Alternative wheels and tyres Options V8 aluminium petrol engine Туре Long range fuel tank 3.528 litres Capacity Rear towing pintle Helicopter slinging points 100 KW @ 5000 r.p.m. Max. Power Jerrycan stowage DIN 70020 net Chassis mounted tool boxes 253 Nm @ 2,500 r.p.m. Max. Torque Chassis mounted vehicle recovery winch Chassis mounted radio batteries 12 volt x 45 amp output, belt driven from crankshaft Alternator Tubular steel front brush guard Carburation Twin SU carburettors CAB 12 volt x 65 amp alternator Options Supplementary 28 volt x 90 amp military Wide, bonneted cab with hot dip galvanised steel Type space frame and aluminium alloy floor, back and wing alternator panels. Steel framed bonnet with fibreglass skin. Cab painted with high durability polyurenthane paint. Fully trimmed doors, roof side and back panels. Sound Trim LAND ROVER LT95A GEARBOX/TRANSFER BOX proofing on toe boxes, seat box and floor panels. 4 speed heavy duty all synchromesh gearbox and 2 Type Three fabric trimmed seats provided in cabin for driver Fittings speed transfer box. Incorporates a lockable inter-axle and two passengers, all with fore/aft and rake adjustment. differential plus a vacuum operated dog clutch to Inertia reel lap/sash seat belts fitted for outboard engage or disengage drive to the trailing axle via a seating positions, with static lap belt for centre seat. fascia mounted switch Twin ventillation flaps in cabin front panel feeding full The vehicle operates on-road in four wheel drive (to the width louvres above fascia Fibreglass fascia moulding with large storage front and centre axles), with six drive for cross country operation. compartment on passenger's side High capacity heater/demister with fascia mounted controls. Ratios: Twin sun visors, rear vision mirror and interior light 1st 4.069:1 4th 1.000:1 Gearbox mounted on cabin header panel. 2nd 2.448.1 Rev 3.664:1 Laminated flat glass windscreen with zone tinted upper 3rd 1.505:1 Glass band. Wind up windows in side doors. Twin opening Transfer Box rear quarter light windows fitted in cabin rear side High 0.996:1 Low 3.321:1 Diesel panel. Sliding glass window fitted high on cabin back Low 3.321:1 - Petrol High 1.336:1 Mechanical 254mm dia drum brake fitted on rear of Parking Brake Column mounted waterproof switches for indicators, Controls transfer box out shaft. side and head lamps, hom, wipers and washers. Fascia mounted hazard warning, interior light/instrument light LAND ROVER SPIRAL BEVEL and heater blower switches. FRONT AXLE Heater directional controls and transfer box control Wide track fully floating spiral bevel steer/drive axle Type switch mounted on fascia with heavy duty casing, enclosed outboard constant velocity joints, four pinion differential and high capacity Speedometer, fuel gauge, water temperature gauge, Instruments voltmeter and warning lamp module fitted in fibreglass driving head. moulded instrument binnacle - with provision for Capacity 1750 kg. additional instrumentation if required Ratio 4.70:1 Two piece side doors with door pockets and sliding **Options** 298mm dia disc front brakes with four piston callipers glass windows Brakes Vinyl trimmed seats Cabin air conditioning REAR AXLES SALISBURY 8HA Additional instrumentation Wide track fully floating hypoid bevel drive axles with Type Military lighting system offset four pinion differentials. Radio aerial mounts Roof Hatch 2050 kg/axle. Capacity Alternative body styles 4.70:1 Ratio Disruptive pattern painting 279mm dia drum brakes with leading/trailing shoes. Brakes

Land Rover Australia offers this brochure as a general guide to product specifications of the Land Rover 110 6 x 6. All data presented in this brochure is believed to be correct as at May 1989. However, as development is an ongoing process, changes may occur from time to time which will not necessarily be reflected in this brochure. Therefore Land Rover Australia reserves the right to change specifications without notice. Accordingly, 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 Land Rover Australia, and have absolutely no authority to bind Land Rover Australia by any express or implied undertaking or representations.

### LAND ROVER INO Heavy Duty 6 x 6



#### **NOMINAL DIMENSIONS\***

Α	Overall Length		6001 mm
В	Intermediate Wheelbase		3040 mm
С	Rear Axle Spacing		900 mm
D	Rear Overhang	1183 mm	
Е	Cab Back to Rear Crossmen	3147 mm	
F	Front Axle to Cab Back		1925 mm
G	Width Over Mirrors		2430 mm
Н	Width Over Front Wings		1980 mm
J	Width Over Rear Crossmembers		2062 mm
K	Track - Front and Rear		1698 mm
L	Width Over Tyres - Front an	d Rear	1910 mm
М	Body Mounting Height	- Unladen	920 mm
		- Laden	840 mm
N	Rear Crossmember Heights	- Unladen	780 mm
		- Laden	700 mm
Р	Cab Height	- Unladen	2080 mm
		- Laden	2050 mm
Q	Axle Ground Clearance		215 mm
R	Approach Angle	- Unladen	45°
		- Laden	41°
S	Departure Angle	- Unladen	33°
		- Laden	30°
T	Ramp Angle	- Unladen	148°
		- Laden	152°
	Turning Circle	- Wall to Wall	17.2 m
		- Kerb to Kerb	16.8 m

\*Standard dimensions shown. A range of alternative wheelbases and chassis lenghts are available to order.

#### PERFORMANCE DATA\*\*

	( 1117 t)	XIMUM ENGINE r.p	allia.
Eng	ine	4BD! T	3,5 V8
Transfer Ratio - High - Low		0.996:1 3.321:1	1.336:1 3.321:1
Axle Ratio		4.70:1	4.70:1
Maximum Engine Speed		3200 rpm	5000 rpm
Low Ratio	1st 2nd 3rd 4th Rev	7.1 11.8 19.2 28.9 7.9	11.1 18.4 29.9 45.0 12.2
High Ratio	1st 2nd 3rd 4th Rev	23.6 39.2 63.8 96.1 26.2	27.5 45.7 74.4 111.9 30.6

<sup>\*\*</sup> Applicable to base vehicle specification. Data for optional specifications are available on request.

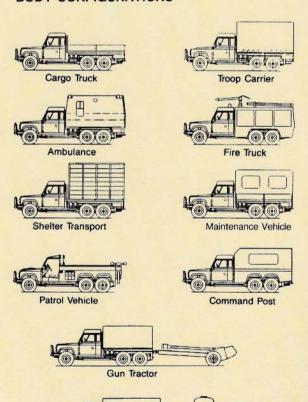
#### MASS DATA

Unladen***	<ul><li>Front</li><li>Rear</li><li>Total</li></ul>	1350 kg 1250 kg 2600 kg
Gross Vehicle Mass		5600 kg
Gross Combination Mass		7100 kg

\*\*\* Basic diesel engined chassis cab vehicle with full capacity of water, oil and fuel, plus spare wheel and tyre.

The above data are nominal figures only. Other ratings may be applicable for particular conditions, usage requirements and specifications variations.

#### **BODY CONFIGURATIONS\*\*\*\***



\*\*\*A wide variety of specialised body configurations can be made to order.

Air Defence Vehicle



# LAND ROVER 1100 Heavy Duity 6 x 6





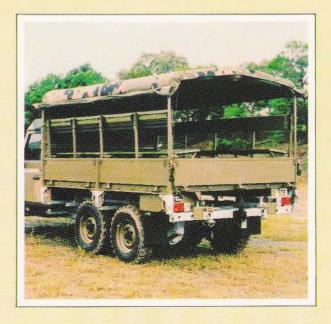
# LAND ROVER IIO Heavy Duity 6 x 6













## LAND ROVER 110 Heavy Duty 6 x 6

The Land rover 110 Heavy Duty 6 x 6 is now in volume production for the Australian Army after several years development trialing against international competition. The testing involved specific performance, durability, climatic and user trials in temperatures ranging from -18° to +52° C. Additionally, body components were required to pass a one thousand (1000) hour salt spray test.

The vehicle has been designed to accept either the Isuzu 4BD1T turbocharged diesel or the Land Rover V8 petrol engine in left or right hand drive. A range of derivatives has been developed including Cargo, Personnel Carrying, Ambulance, Gun Tractor, Air Defence, Maintenance Vehicles, Patrol Vehicle and Fire Fighting Vehicles – to suit a wide range of military and specialised civilian roles.

Some of the major features of the Land Rover 6 x 6 vehicle are:

- High payload carrying capability. (The basic chassis cab vehicle provides an allowance of 3.0 tonnes for optional fittings and equipment, rear body, payload and crew).
- · Low rear chassis height.
- All derivatives are air transportable in a C130 Hercules 2 per aircraft without preparation. This includes the Ambulance and Maintenance Vehicles with modular rear bodies.
- High level of corrosion resistance (both the chassis frame and cab frame are hot dip galvanised, while extensive use is made of aluminium and galvabond panels).
- · High standard of cross country ride and stability
- Easy rear body fitment (bodies can be attached directly to the Land Rover's rigid rear chassis).
- High spare parts commonality with other Land Rover vehicles.

The Land Rover 110 six wheel drive has been developed by Land Rover Australia (a division of JRA Limited) with full support from Land Rover Limited. It is available through Land Rover's worldwide distributor network with full sales and service support.

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