

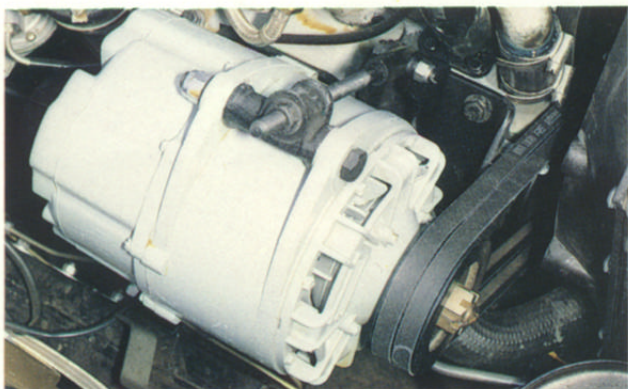
Land Rover

3/4 TON



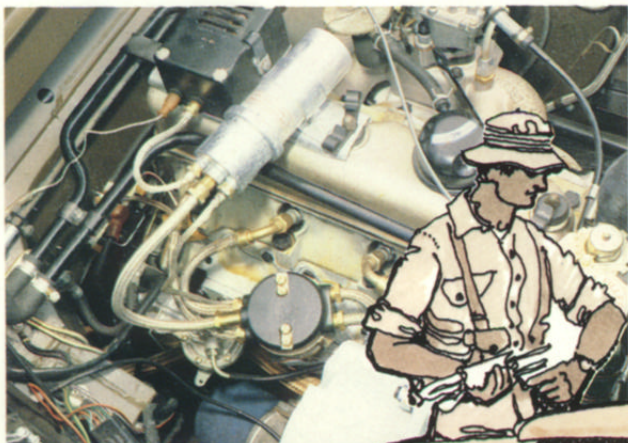
$\frac{3}{4}$ Ton Military Vehicle

The $\frac{3}{4}$ ton military vehicle is a development of the 109 inch wheelbase commercial unit for military use. The body has been specially strengthened to accept military equipment and the chassis has been modified to meet specialised towing requirements. Specifications can be adjusted to meet customers specific requirements.



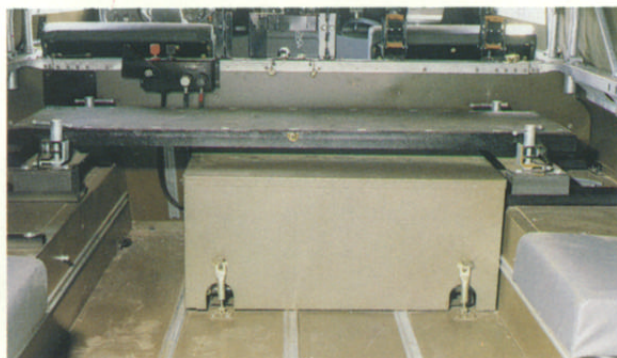
90 amp alternator.

The vehicle is available with 12 volt or 24 volt electrical systems, the latter available with up to 90 amp alternators. All 24 volt vehicles are fully suppressed to meet military operational standards.



Screened ignition system.

The latest solid state control boxes are used in the radio battery charging circuit.

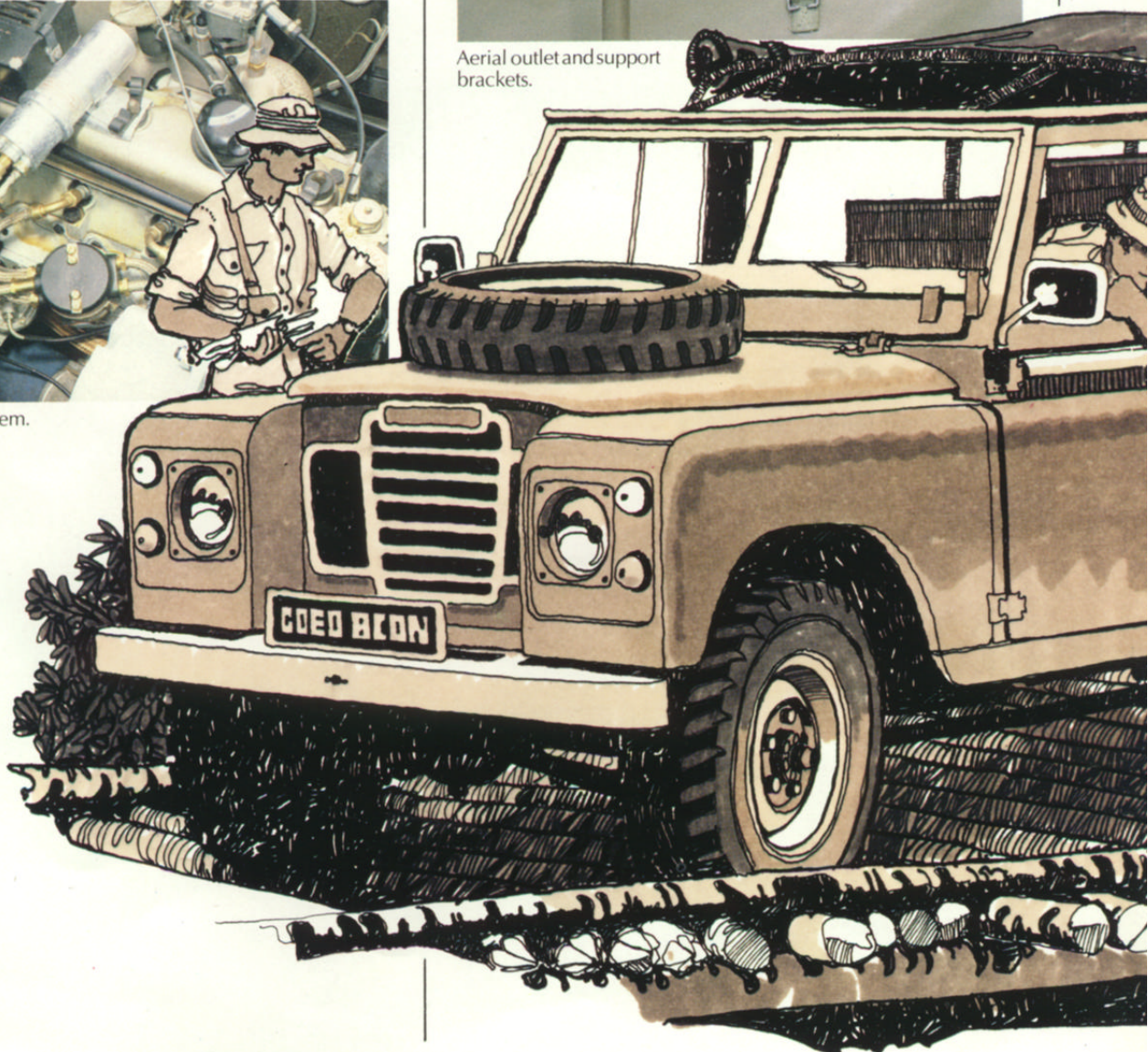


Radio battery carrier.

The vehicle is fitted with a full length soft hood constructed of rot proof, flame retardant canvas, supported by galvanised hood sticks. Reinforcements and flaps are provided for aerial outlet.



Aerial outlet and support brackets.



Twin underseat filling fuel tanks are provided, with telescopic filler necks to facilitate filling from Jerrycans.



Twin underseat fuel tanks.

The braking system is of the dual line type with a warning light, activated by a pressure differential sensor. A brake servo is fitted as standard.

The Fitted for Radio (FFR) version is equipped with a radio table and rack with mounting points for aerials on the body sides and wing tops. Clip-on Radio Operators' seats may be fitted in the rear body.

The General Service Cargo Vehicle provides a useful 750 kg of payload, alternatively, offers seating capacity of up to 10 persons plus driver. The $\frac{3}{4}$ ton vehicle is in use throughout the world including NATO countries who use the vehicle in a variety of roles, some of which are as follows: Military, police, civil defence, personnel and load carriers; command vehicles for artillery, infantry and other arms and services; recovery vehicles; emergency two-stretcher carriers; towing of light support weapons; specialist trailer towing and operation, signals communications, radio transmission and receiving centres; and reconnaissance, etc.

Petrol and Diesel engines are available. Both are 2.25 litre units, the petrol engine producing up to 69 bhp (51.5 kW) @ 4000 rpm and 117.2 lb/ft (159 Nm) @ 2000 rpm torque and the Diesel variant 56.2 bhp (42.9 kW) @ 4000 rpm and 101.3 lb/ft (137.3 Nm) @ 1800 rpm torque.

Transmission is through a 9.5 in (241 mm) single dry plate clutch, a four forward speed and reverse gearbox with synchromesh on all forward gears and a two speed transfer gearbox. Four wheel drive is selectable in high range, and automatically selected in low range.

Infra-red reflective paint finish (I.R.R.) can be supplied subject to negotiation.

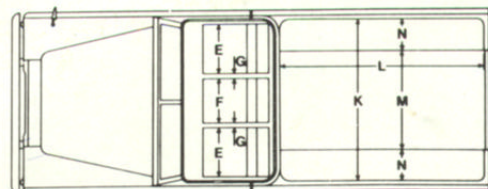
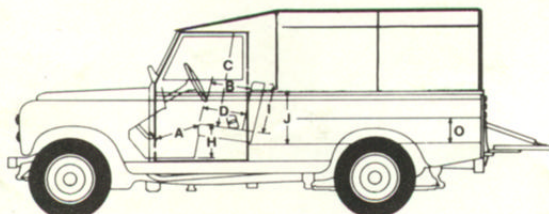
A version equipped with a Rover V8 3528 cc engine and permanent 4 wheel drive with lockable centre differential is being developed.

This variant is equipped with a 12 volt 35 amp or 24 volt 60 amp alternator.

This engine produces a 90.7 bhp (67.7 kW) @ 3500 rpm power and 166.4 lb/ft (225.6 Nm) @ 2000 rpm torque.



	METRES	INCHES			METRES	INCHES
Wheelbase	2.77	109	F	Width of front centre cushion	0.381	15
Track	1.33	52.5	G	Width between front seats	0.025	1
Overall length	4.56	179.4	H	Top of front cushion to floor	0.368	14.50
Overall width (over hinges)	1.68	66	I	Front squab height	0.431	17
Overall height of cab	1.86	73.25	J	Height of body sides	0.483	19
Overall height with hood	2.03	80	K	Width of body interior	1.444	56.87
A Front cushion to accelerator pedal	0.438	17.25	L	Length of body interior	1.85	72.75
B Front squab to steering wheel	0.369	14.5	M	Interior body width between wheel boxes	0.921	36.25
C Headroom front seat (uncompressed)	0.991	39	N	Width of wheel boxes	0.349	13.75
D Front to rear of front cushion	0.406	16	O	Height of wheel boxes	0.229	8.75
E Width of front cushion	0.457	18				



	Unladen Weight Kg	Gross Vehicle Weight Kg
	Total	Total
12v 4 cylinder petrol	1680	2760
24v 4 cylinder petrol	1890	(ROAD USE)
24v 4 cylinder diesel	1931	2680
		(CROSS COUNTRY)

ENGINE (2½ PETROL)

Type	4 cylinder
Bore	3.56 ins (90.47 mm)
Stroke	3.5 ins (88.9 mm)
Capacity	2286 cc
Compression ratio	7:1
Max power (4000 rpm)	64 bhp (47.8 Kw)
Max torque (2000 rpm)	113.5 lbf.ft (154 Nm)
Compression ratio	8:1
Max power (4000 rpm)	69 bhp (51.5 Kw)
Max torque (2000 rpm)	117.2 lbf.ft (159 Nm)

ENGINE (2½ DIESEL)

Type	4 cylinder
Bore	90.47 mm (3.56 ins)
Stroke	88.9 mm (3.5 ins)
Capacity	2286 cc
Compression ratio	23:1
Max power	56.2 bhp (41.9 Kw) at 4000 rpm
Max torque	101.3 lbf.ft (137.3 Nm) at 1800 rpm

FUEL SYSTEM (2½ PETROL)

Carburettor	Single Zenith 36IV
Petrol pump	Mechanical with priming lever and sediment bowl
Tank capacity	20 galls (90.00 litres)

FUEL SYSTEM (2½ DIESEL)

Injectors	C.A.V. Pintaux
Fuel pump	Mechanical with priming lever
Injector pump	Self-governing D.P.A. distributor type
Tank capacity	20 galls (90.00 litres)

COOLING SYSTEM

Type	Pressurised with pump, fan, thermostat and expansion tank
Working pressure	9 lbf/in ² (0.63 Kg/cm ²)
Thermostat	2½ litre engine 82°C

TRANSMISSION

Clutch	Diaphragm spring, single dry plate
Diameter	24.1 cm (9.5 cms)
Main gearbox	Four speed and reverse — Synchronesh on forward gears
Transfer box	Two speed reduction on main gearbox output Two/four wheel drive control on transfer box output

OVERALL RATIOS

High range	top 5.40:1 third 8.05:1 second 12.00:1 first 20.14:1 reverse 21.01:1
Low range	top 11.10:1 third 16.50:1 second 24.60:1 first 41.24:1 reverse 42.93:1
Differential ratios	(both axles) 4.7:1
Front axle	Spiral bevel — floating shafts with enclosed universal joints
Rear axle	Hypoid — floating shafts
Propeller shafts	Open type 50.8 mm (2.0 ins)

STEERING

Type	Recirculating ball, worm and nut
Lock to lock	3.5 turns
Steering damper	Optional — fitted to drag link

WHEELS

Type	Steel-ventilated disc
Fixing	5 stud
Size	5.50F x 16 ins
Tyre size	7.50 x 16 ins

BRAKES

Type	Hydraulic drum
Drum diameter	279.4 mm (11 ins)
Brake shoe width:	
4 cylinder models	57.15 mm (2.25 ins)
Handbrake	Mechanical — on transfer box output
Drum diameter	228.6 mm (9.00 ins)
Brake shoe width	44.5 mm (1.75 ins)

ELECTRICAL

Type	12v	24v FFR
Generator	Lucas	CAV
Batteries	1 x 12v 51 a.h. 58 a.h. (Diesel engine)	2 x 12v Vehicle 44 a.h. 2 x 12v Radio 100 a.h.

PERFORMANCE

Approach angle	47 degrees
Departure angle	29 degrees



Land Rover Ltd

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The information contained in this leaflet is correct at date of publication but is subject to alteration without notice.

Managing Agents for BL Cars Ltd.