



**109"  
WHEELBASE  
LONG**





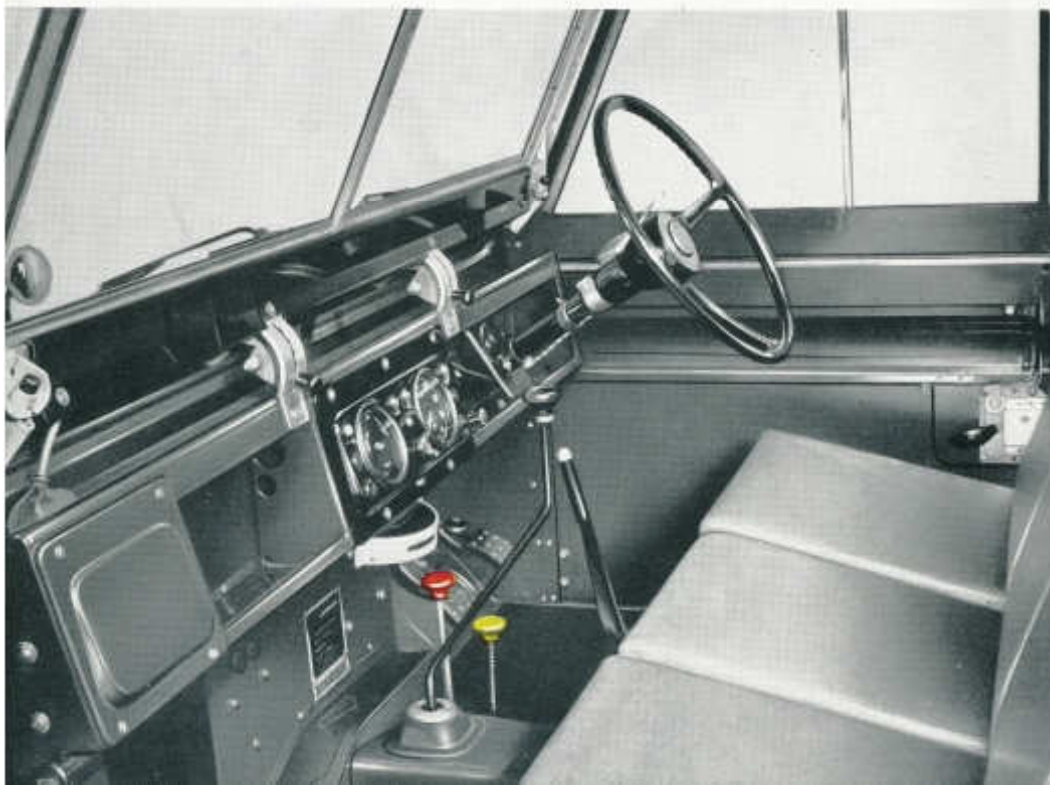
*Left. Cab for six-cylinder petrol-engined Land-Rover. Right-hand steering is also available.*

The truck cab on both four-cylinder and six-cylinder models offers all-round visibility for driver and two passengers, with the added convenience of an adjustable driving seat. Re-styled instruments, re-grouped minor controls, water temperature gauge, and a combined ignition/starter switch distinguish the latest Land-Rovers from earlier models. An extended hand-brake lever, to ensure ease of application by a driver wearing safety harness, is also incorporated, and dual wind-screen wipers are fitted as standard equipment.

Heating, de-luxe trim and other cab refinements can be provided as optional extras if required.

The rear body space will take an endless variety of loads up to a limit of 2,000 lb. (908 kg.) on roads or 1,800 lb. (816 kg.) across rough country. Its aluminium alloy construction is non-rusting and non-corroding.

*Below, left. Diesel-engined Land-Rover cab shown. Hand throttle control extra on petrol models. Left-hand steering also available.*





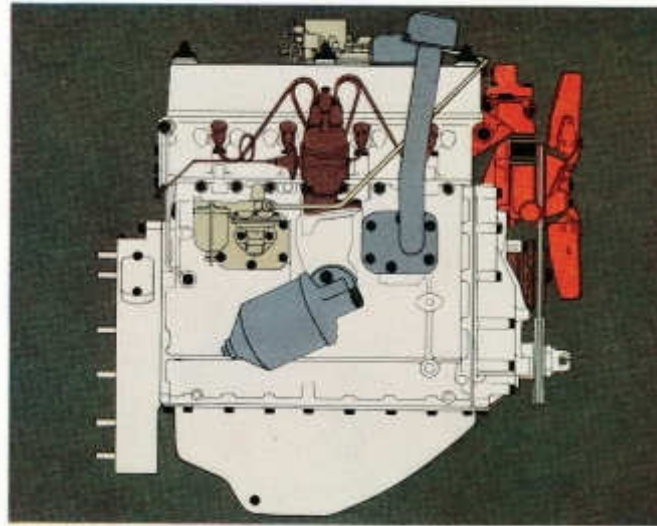




The box-section chassis frame has eight sturdy cross-members giving immense diagonal and torsional rigidity. Although longer than the Regular chassis, it offers undiminished cross-country mobility, and being painted inside as well as outside it is resistant to rust and corrosion over long periods.

#### FOUR-CYLINDER PETROL ENGINE

The four-cylinder, 2½-litre petrol engine provides ample power for all normal vehicle uses, hauling trailers and driving machinery. It is a well-proved, long-established unit of outstanding reliability that has powered many millions of Land-Rover miles.



#### TRANSMISSION

Two- or four-wheel drive. Main gearbox has four forward speeds and one reverse with synchromesh on third and top. Two additional ratios are provided in the transfer box giving a total of eight forward and two reverse speeds. This wide choice of ratios enables all kinds of surfaces to be traversed. Front and rear axles are fully-floating and have spiral bevel drive.



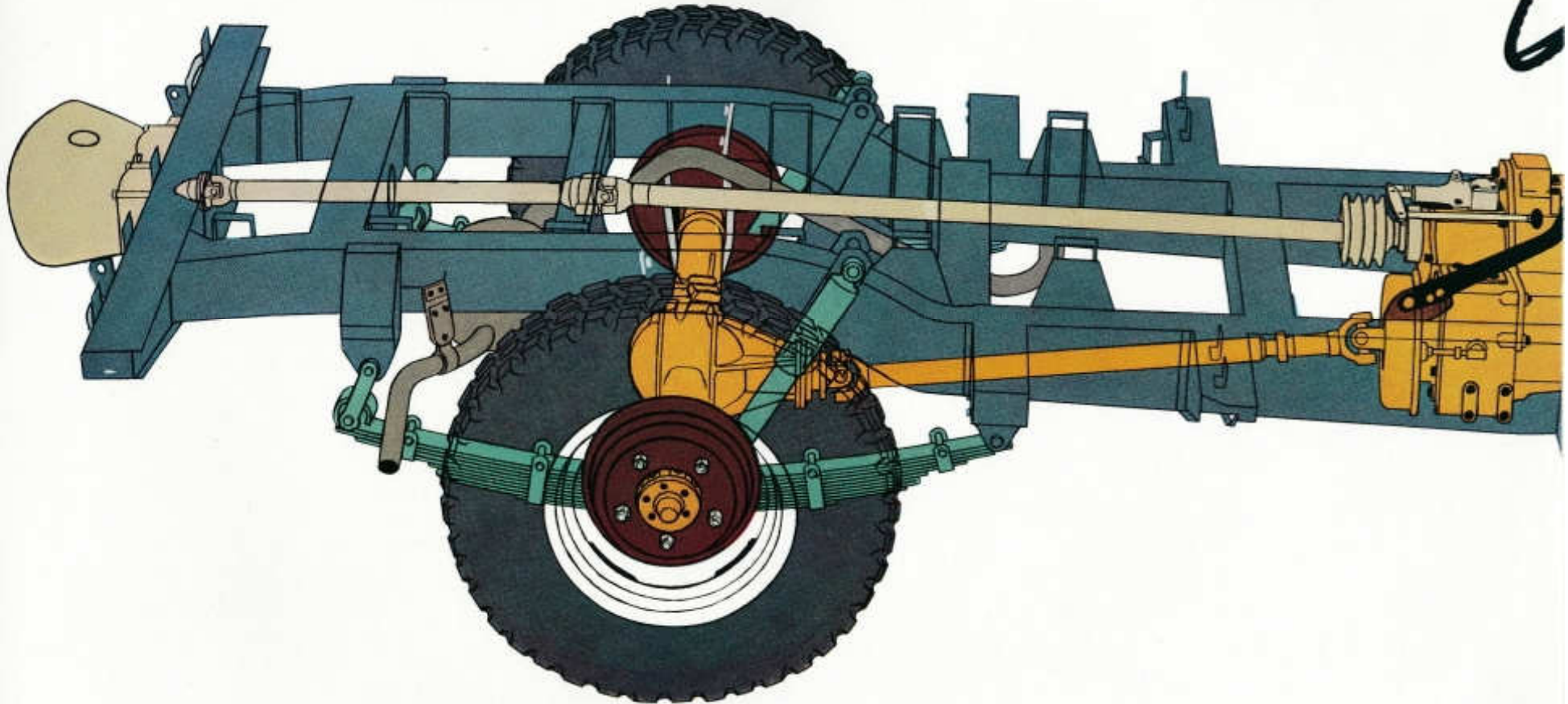
#### CHASSIS FRAME

Welded steel box-section of great strength. Eight cross-members give torsional and diagonal rigidity.



#### BRAKES

Hydraulic. Servo assistance and increased lining area on six-cylinder model.





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#### ENGINES

Choice of three units: four-cylinder, 2½-litre petrol, four-cylinder, 2½-litre diesel or six-cylinder, 2.6-litre petrol.

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#### SUSPENSION

Underslung semi-elliptic springs controlled by double-acting hydraulic telescopic shock absorbers.

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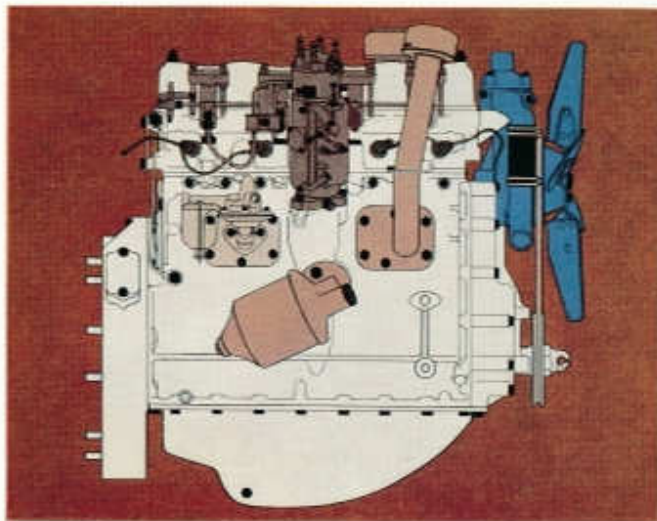
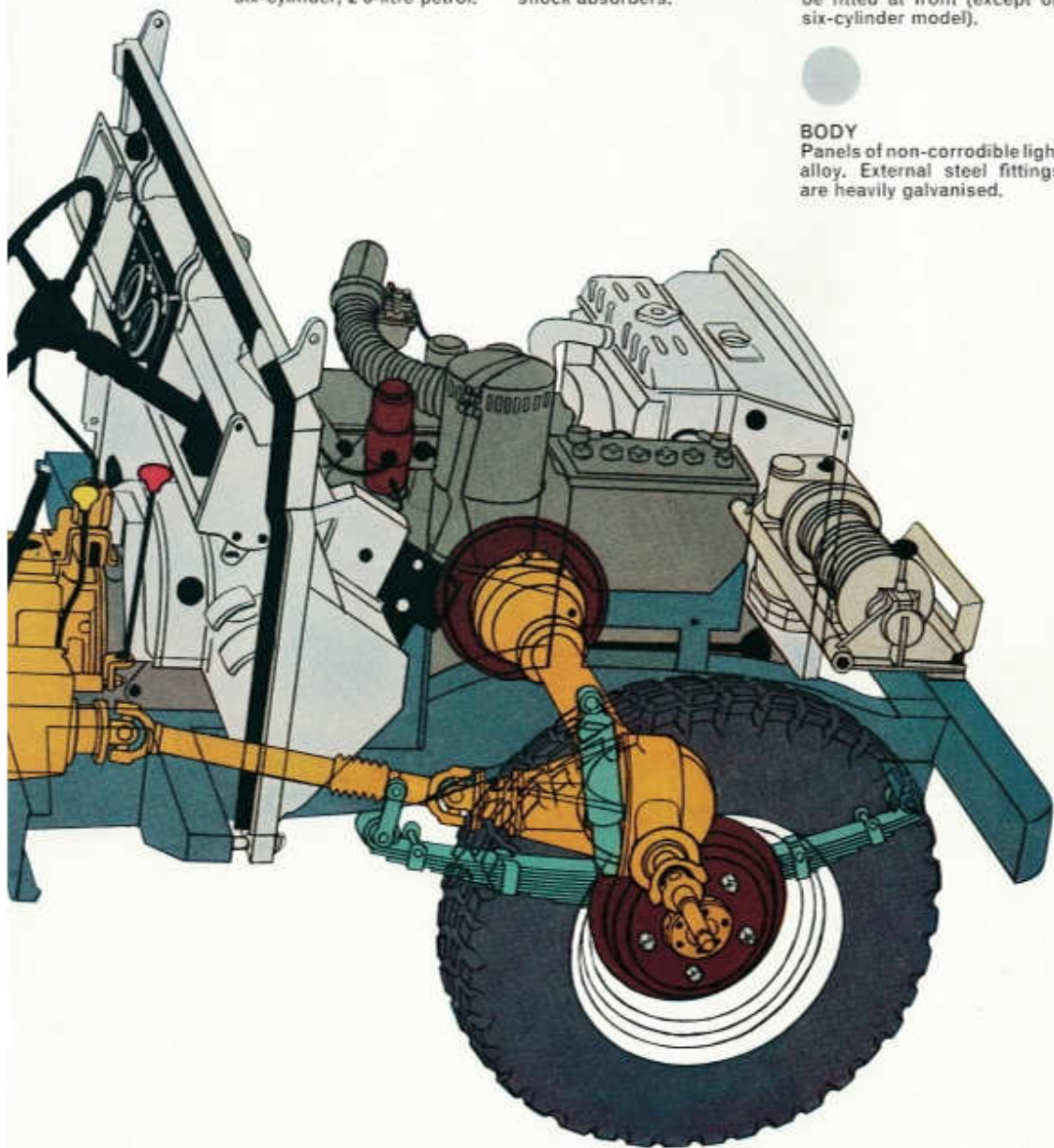
#### POWER TAKE-OFF

Provision for centre and rear power take-off drives. Hydraulic or capstan winch may be fitted at front (except on six-cylinder model).

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#### BODY

Panels of non-corrodible light alloy. External steel fittings are heavily galvanised.



#### FOUR-CYLINDER DIESEL ENGINE

Diesel power is also offered and adds further efficiency and economy to the Land-Rover in conditions which favour the use of this type of engine.

#### SIX-CYLINDER PETROL ENGINE

A six-cylinder, 2.6-litre petrol engine is now available as an additional alternative to the two four-cylinder units. It has been provided to give increased power output for those users whose operations call for above average road work.



# SPECIFICATION

Max. B.H.P. .. 77 at 4,000 rev./min. (Gross).  
 Max. Torque .. 124 lb. ft. (17 mkg.) at 2,500 rev./min. (Gross).

## LUBRICATION SYSTEM

Type .. .. Pressurised by submerged gear type pump.  
 Filters .. .. Pump intake gauze filter in sump, and external full flow filter.  
 Sump capacity .. 11 pints (13 U.S. pints; 6 litres).

## COOLING SYSTEM

Type .. .. Pressurised, with pump fan and thermostat.  
 Capacity .. .. 18 pints (21½ U.S. pints; 10.25 litres).

## FUEL SYSTEM

Carburettor .. Zenith down-draught type 36 I.V.  
 Filters .. .. Tank and sediment bowl.  
 Air cleaner .. Oil bath with built-in centrifugal pre-cleaner.  
 Pump .. .. Mechanical with sediment bowl and priming lever.

## ELECTRICAL SYSTEM

Ignition .. .. By coil and distributor.  
 Starter .. .. Operated by combined ignition/starter switch key and solenoid.

## 6 CYLINDER PETROL

No. of cylinders .. 6.  
 Bore .. .. 3.063" (77.8 mm.).  
 Stroke .. .. 3.625" (92.075 mm.).  
 Capacity .. .. 2,625 c.c. (160.3 cu. ins.).  
 Valve position .. Overhead inlet, inclined side exhaust.  
 Compression ratio 7.8 : 1 (7.0 : 1 optional).  
 Max. B.H.P. .. 93 at 4,500 rev./min. (Gross).  
 Max. Torque .. 135 lb. ft. (18.6 mkg.) at 1,750 rev./min. (Gross).

## LUBRICATION SYSTEM

Type .. .. Pressurised by submerged gear type pump.  
 Filters .. .. Pump intake gauze filter in sump and external full flow filter.  
 Sump capacity .. 12 pints (14.5 U.S. pints; 7 litres).

## COOLING SYSTEM

Type .. .. Semi-sealed and pressurised, with pump, fan and thermostat.  
 Capacity .. .. 20 pints (24 U.S. pints; 11.4 litres).

## FUEL SYSTEM

Carburettor .. Zenith 175-CD2S.  
 Filters .. .. Tank, sediment bowl and fuel pump.  
 Air cleaner .. Oil bath with built-in centrifugal pre-cleaner.  
 Pump .. .. Electric, dual inlet type, located inside right-hand frame side member.

## ELECTRICAL SYSTEM

Ignition .. .. By coil and distributor.  
 Starter .. .. Solenoid operated by combined ignition/starter switch key.

## 4 CYLINDER DIESEL

No. of cylinders .. 4.

Bore .. .. 3.562" (90.49 mm.).  
 Stroke .. .. 3.5" (88.9 mm.).  
 Capacity .. .. 2,286 c.c. (139.5 cu. in.).  
 Valve position .. Overhead.  
 Compression ratio 23 : 1.  
 Max. B.H.P. .. 67 at 4,000 rev./min. (Gross).  
 Max. Torque .. 105 lb. ft. (14.5 mkg.) at 1800 rev./min. (Gross).

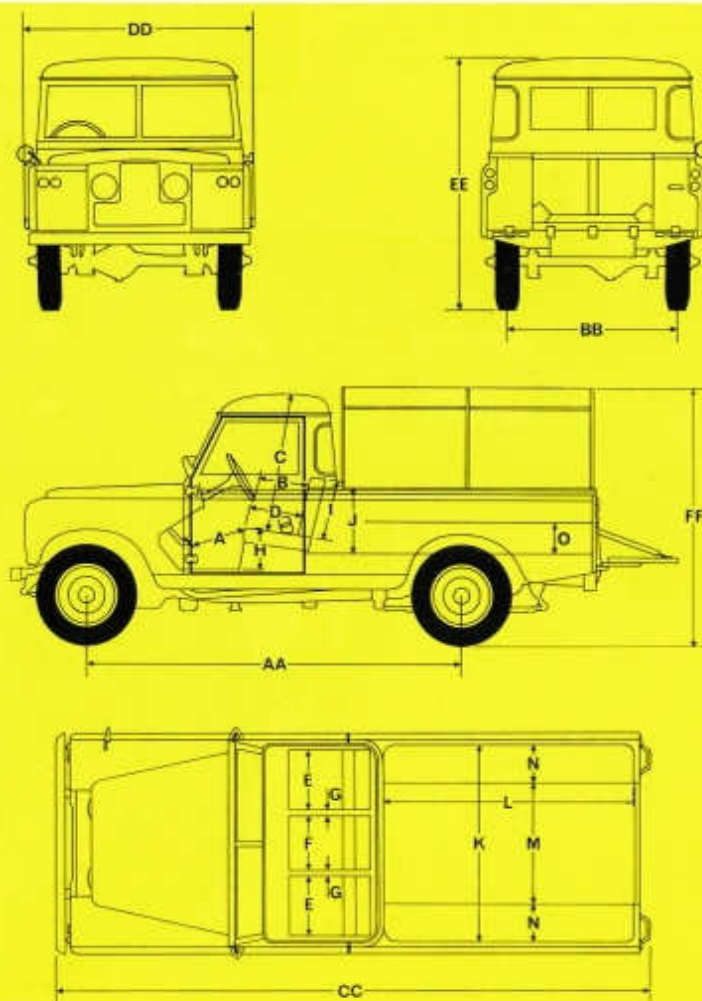
## LUBRICATION SYSTEM

Type .. .. Pressurised by submerged gear type pump.  
 Filters .. .. Pump intake gauze-filter in sump, and external full flow filter.  
 Sump capacity .. 11 pints (13 U.S. pints; 6 litres).

## ENGINES

### 4 CYLINDER PETROL

No. of cylinders .. 4.  
 Bore .. .. 3.562" (90.49 mm.).  
 Stroke .. .. 3.5" (88.9 mm.).  
 Capacity .. .. 2,286 c.c. (139.5 cu. ins.).  
 Valve position .. Overhead.  
 Compression ratio 7 : 1.





**COOLING SYSTEM**

Type .. .. Pressurised, with pump, fan and thermostat.  
Capacity .. .. 17½ pints (21 U.S. pints; 10 litres).

**FUEL SYSTEM**

Injector pump .. C.A.V., D.P.A. distributor type, self governing.  
Injector type .. C.A.V. Pintaux.  
Filters .. .. Sediment bowl on mechanical fuel pump. Paper type filter. Fuel tank.  
Air cleaner .. Oil bath with built-in centrifugal pre-cleaner.  
Pump .. .. Mechanical, with hand primer (high pressure type).

**ELECTRICAL SYSTEM**

Starter .. .. Operated by key switch and solenoid.  
Heater plugs .. Coil element, 1.7 volts 36/42 amps. Operation — combined with starter switch key.

**TRANSMISSION****CLUTCH**

Type .. .. 2½ L. petrol. Single dry plate, 9" (230 mm.) diameter. Multi-coil spring type.

**DIMENSIONS**

		Ins.	Metres
AA	Wheelbase .. ..	109	2.768
BB	Track .. ..	51.5	1.308
CC	Overall length .. ..	175	4.441
DD	Overall width (over hinges) .. ..	66	1.676
EE	Overall height of cab .. ..	73.25	1.86
FF	Overall height with hood .. ..	75	1.905
A	Front cushion to accelerator pedal .. ..	17.25	.438
B	Front squab to steering wheel .. ..	14.5	.369
C	Headroom, front seat uncompressed .. ..	39	.991
D	Front to rear of front cushion .. ..	16.00	.406
E	Width of front cushion .. ..	18	.457
F	Width of front centre cushion .. ..	15	.381
G	Width between front seats .. ..	1	.025
H	Top of front cushion to floor .. ..	14.50	.368
I	Front squab height .. ..	17.00	.431
J	Height of body sides .. ..	19	.483
K	Width of body interior .. ..	56.875	1.444
L	Length of body interior .. ..	72.75	1.85
M	Interior body width between wheel boxes .. ..	36.25	.921
N	Width of wheel boxes .. ..	13.75	.349
O	Height of wheel boxes .. ..	9.00	.229

2½ L. diesel. Single dry plate, 9½" (241 mm.) diameter. Diaphragm spring type.  
2.6 L. 6 cyl. petrol. Single dry plate, 9½" (241 mm.) dia. Diaphragm spring type.  
Operation .. .. Hydraulic.

**MAIN GEARBOX**

Type .. .. Single helical constant mesh with synchromesh on top and third speeds.  
Oil capacity .. 2½ pints (3 U.S. pints; 1.5 litres).

**TRANSFER GEARBOX**

Type .. .. Two speed reduction on main gearbox output.  
Four wheel drive .. Two/four wheel drive control on transfer box output.  
Oil capacity .. 4½ pints (5½ U.S. pints; 2.5 litres).

**PROPELLER SHAFTS**

Type .. .. Open, to front and rear axles.

**REAR AXLE**

Type .. .. Spiral bevel; floating shafts.  
Ratio .. .. 4.7 : 1.  
Oil capacity .. 3 pints (3½ U.S. pints; 1.7 litres).

**FRONT AXLE**

Type .. .. Spiral bevel; floating shafts.  
Ratio .. .. 4.7 : 1.  
Oil capacity .. Differential 3 pints (3½ U.S. pints; 1.7 litres). Universal joint housing, 1 pint (1½ U.S. pints; 0.57 litres).

**OVERALL RATIOS (Final Drive)**

	High Transfer	Low Transfer
Top .. ..	5.4 : 1	11.1 : 1
Third .. ..	8.05 : 1	16.5 : 1
Second .. ..	12.0 : 1	24.6 : 1
First .. ..	19.4 : 1	39.7 : 1
Reverse .. ..	16.3 : 1	33.2 : 1

**POWER TAKE-OFF POINTS**

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

**CHASSIS DETAILS****FRAME**

Type .. .. Welded fabricated box section side and cross members, black enamel dipped.

Front bumper .. Channel section, galvanised.

**SUSPENSION**

Road springs .. Semi-elliptic, underslung.  
Shock absorbers .. Hydraulic double acting telescopic.

**STEERING**

Type .. .. Recirculating ball, worm and nut.  
Steering wheel diameter—17" (43.18 cm.).  
Turning circle (with 7.50" × 16" tyres) — 47 ft. (14.3 m.) diameter.  
No. of turns lock to lock—3½.

**BRAKES**

Foot brake .. 2½ L. 4 cyl. models. Hydraulic drum brakes. Front—two leading shoes. Rear—leading and trailing shoes, 2½" wide.  
2.6 L. 6 cyl. models. Hydraulic drum brakes, 11" dia., servo assisted.  
Front: two leading shoes, 3" wide.  
Rear: leading and trailing shoes, 2½" wide.  
Hand brake .. Mechanical internal expanding drum brake on transfer box output.

**WHEELS AND TYRES**

Wheel type .. Ventilated disc.  
Wheel size .. 5.50" F × 16".  
Standard tyre and tube size .. 7.50" × 16".  
Standard tread .. Dual-purpose (road and cross-country).

**FUEL SYSTEM**

Fuel tank .. 2½ L. 4 cyl. models. Carried outside side member under right-hand seat. Fitted with protective underplate and telescopic external filler tube.  
Capacity .. .. 10 gallons (12 U.S. gallons; 45 litres).  
Fuel tank .. 2.6 L. 6 cyl. models. Carried between side members behind rear axle. Fitted with protective underplate and telescopic external filler tube.  
Capacity .. .. 11 gallons (13.2 U.S. gallons; 50 litres).

**CHASSIS OPTIONAL EQUIPMENT**

Includes extra instruments, 12 volt alternator, winches, towing equipment, special protective devices, and special purpose tyres. See separate publication for details.

**ELECTRICAL EQUIPMENT AND INSTRUMENTATION****ELECTRICAL SYSTEM**

Type .. .. Negative earth.  
Voltage .. .. 12 volt. Diesel—two 6 volt batteries in series.

**ELECTRICAL EQUIPMENT**

Battery .. .. Petrol—57 A.H. Diesel—120 A.H.  
Generator .. .. Fan ventilated dynamo, 22 amperes output, 6 cylinder 30 amps. output. Compensated voltage control 2½ — petrol. Current-voltage control — diesel, and 6 cyl. petrol.  
Windscreen wiper .. Dual arm.  
Horn .. .. Windtone. Horn push in centre of steering wheel.

**INSTRUMENTS AND CONTROLS**

Speedometer .. Large diameter with total mileage recorder including oil pressure, headlamp main beam and cold start warning lights.  
Water temperature and fuel gauges .. Combined in one large dial which also includes the charging warning light.  
Panel light .. Illuminating speedometer, water temperature and fuel gauges. Switch operates when side and tail lamps are "on."  
Petrol model .. Ignition switch operated by key.  
Toggle switch for head, side and tail lamps.  
Ignition warning light: red.  
Choke warning light: amber.  
Oil pressure warning light: green.  
Headlamp main beam warning light: blue.  
Diesel model .. Lighting switch: toggle switch for head, side and tail lamps.  
Heater/starter/auxiliary switch: operated by key.  
Engine stop control: located on dash.  
Charging warning light: red.  
Heater plug warning light: amber.  
Oil pressure warning light: green.  
Headlamp main beam warning light: blue.  
Fuel tank level warning light: blue.  
Engine speed hand control.  
Lighting .. .. Headlamps — mounted in radiator cowling.  
Side-lamps — mounted in front wings.

Lighting (cont.) .. Tail lamps — twin units having double filament stop/tail bulbs and incorporating numberplate illumination.  
Dip switch — mounted on floor.

#### BODY

#### CONSTRUCTION

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

#### OPTIONAL EQUIPMENT

Includes alternative hood, hardtop and rear door arrangements, seats, trim, heater, and various interior equipment. See separate booklet for details.

#### COLOURS

In the colour schemes shown below the colours marked \* are standard while those marked † are optional and subject to an extra charge. Variations in body colours are possible for particular requirements in regard to fire appliances

and special fleet customer specifications. Quotations may be obtained from the factory on request.

Body Colour	Road Wheels	Home	Export
Bronze green	Bronze green	*	*
Sand	Limestone	†	*
Light green	Limestone	*	*
Marine blue	Limestone	*	*
Limestone	Limestone	*	*
Mid grey	Limestone	*	*
Dark grey	Limestone	†	†
Red	Red	†	†
Mist coat grey	Primer	*	*

Trim	Colour	Home	Export
Interior trim & seats	Grey	*	*
Interior trim & seats	Red	†	†
Roof interior lining	White	*	*
Canvas hood	Khaki	*	*
Canvas hood	Blue	*	*

#### CONSTANTS WITH ALL COLOUR SCHEMES

Tropical roof Hard top Chassis frame	Limestone Limestone Black
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#### PERFORMANCE

#### PAYLOADS

Roadwork .. 3 persons, plus 2,000 lb. (908 kg.).  
Cross-country .. 3 persons, plus 1,800 lb. (816 kg.).

#### MAX. DRAWBAR PULL

4 cylinder petrol .. .. 3,500 lb. (1600 kg.).  
4 cylinder diesel .. .. 2,900 lb. (1315 kg.).  
6 cylinder petrol .. .. 3,890 lb. (1765 kg.).

#### MAX. GRADIENT

	4 cyl. Petrol	4 cyl. Diesel	6 cyl. Petrol
Unladen ..	Over 45°	Over 45°	Over 45°
Laden .. ..	39°	29°	41°

#### WEIGHTS

Petrol engine	Front axle lb. kg.	Rear axle lb. kg.	Total lb. kg.
Unladen, plus 5 galls. fuel	1,839 834	1,462 663	3,301 1497
Max. allowable gross weight, normal road work	2,140 970	3,765 1710	5,905 2680
Cross country, standard road springs .. ..	2,140 970	3,565 1620	5,705 2590
Diesel engine			
Unladen, plus 5 galls. fuel	1,946 882	1,525 692	3,471 1574
Max. allowable gross weight, normal road work	2,320 1050	3,765 1710	6,085 2760
Cross country, standard road springs .. ..	2,320 1050	3,565 1620	5,885 2670



By appointment to Her Majesty Queen Elizabeth II  
Manufacturers of Motor Cars and Land-Rovers  
The Rover Company Limited



THE QUEEN'S AWARD  
TO INDUSTRY 1966

# THE ROVER COMPANY LIMITED

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