



DEFENDER
LAND ROVER

VR

Air cleaner incorporates one-way drain valve to prevent accumulation of water/dirt while wading.

Thermac device sited on air intake diverts warm air from exhaust region for quick warm-up period thus enhancing economy.

Viscous - coupled fan for enhanced economy and quieter running.

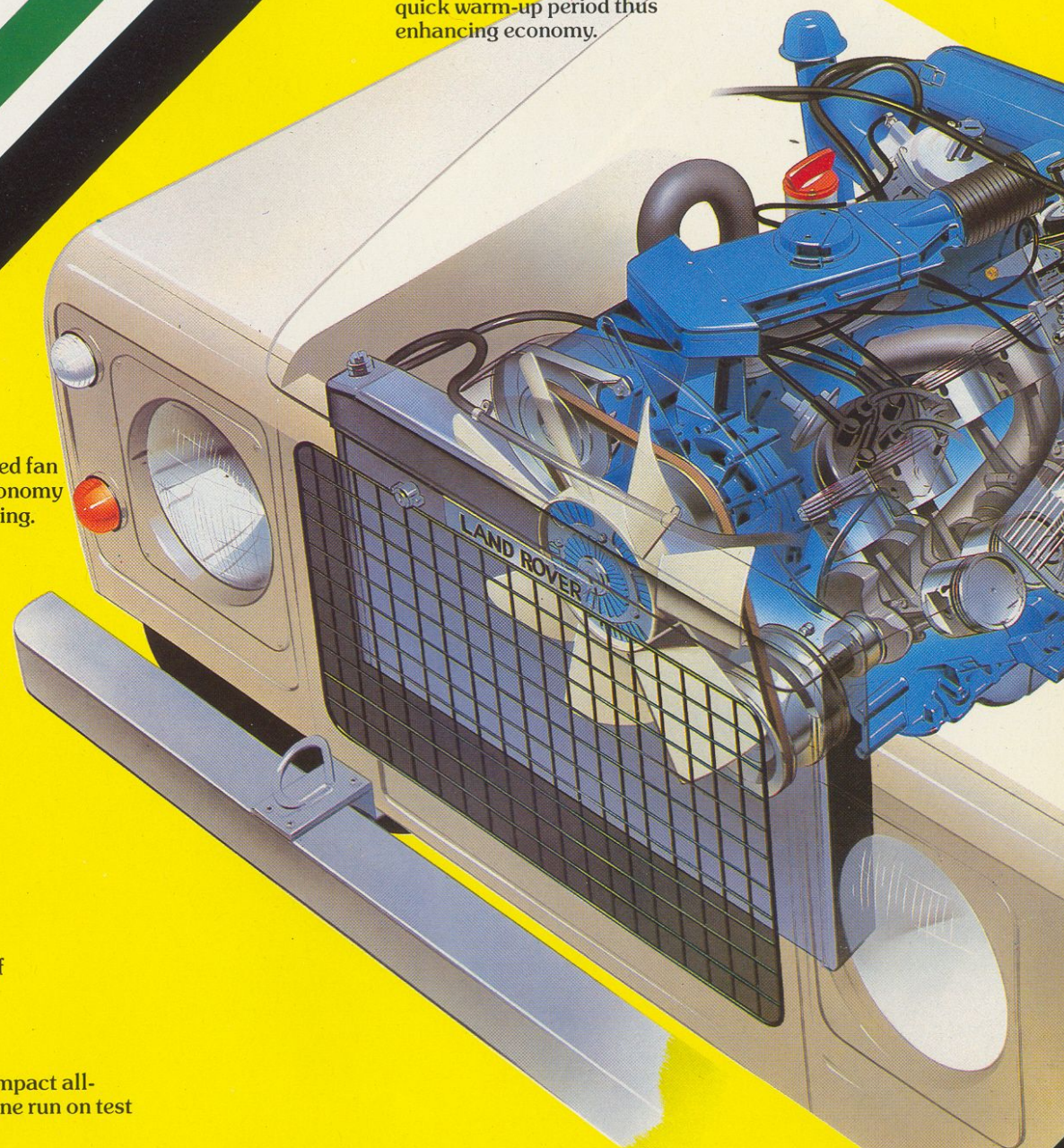
Sealed heavy-duty cooling system.

Engine designed to run between -30°C and $+40^{\circ}\text{C}$.

High output (45 amp) alternator to cope with large electrical loads without risk of draining battery.

Lightweight, compact all-aluminium engine run on test bed for 1 hour.

Restyled front end for easy access.



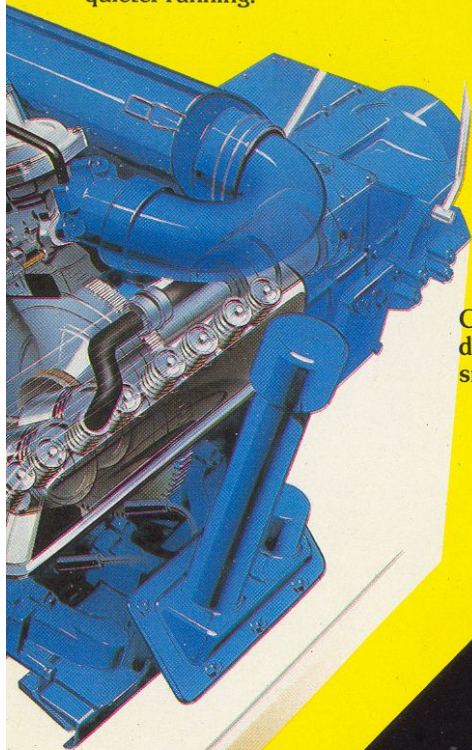
Carburation and lubrication system arranged so engine is never starved of petrol/oil during violent manoeuvres.

Low compression ratio allows use of fuel down to 85 octane.

Self-adjusting tappets for quieter running.

Electical system PVC insulated thus giving protection against petrol, oil, moisture or fungal attack.

Crankshaft vibration damper ensures smoother running.



BL Cars Limited is constantly seeking ways to improve the specification, design and production of its vehicles and alterations take place continually. While every effort is made to produce up-to-date literature, this Brochure should not be regarded as an infallible guide to current specification, nor does it constitute an offer for the sale of any particular vehicle.

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The most powerful Land-Rover you can buy.

The new V8 adds an extra dimension to the already legendary performance of the Land Rover. With permanent 4 wheel-drive as used in the Range Rover, it's equally at home on or off the road, and built to tackle the toughest terrain.

Its lightweight aluminium 3500cc engine delivers exceptionally high torque at low revs which means more pulling power.

A heavy duty 4-speed gearbox with transfer box offers a ratio for every situation.

In addition to permanent 4 wheel-drive, when the going gets really rough the centre differential can be locked for even greater traction.

The 3500cc engine tuned for maximum efficiency in the V8 Land Rover gives a top speed of over 80 mph (128 kph) and the ability to climb gradients as steep as 45° (1 in 1).

Engine power is produced smoothly, quietly and with minimal effort. This results in better off road performance, better towing ability, less gear changing and enhances economy of operation in certain conditions.

Built and designed to go anywhere.

With an all-aluminium body, the new V8 offers an exceptional power/weight ratio.

And the aluminium construction of its engine, producing 90bhp, is 60% lighter than its equivalent in cast iron.

Within its completely redesigned engine compartment, all service points offer outstanding ease of access.

The ignition components are located at the highest points so that, even when the V8 is wading through water, all its essential electrical circuits stay safely dry.

In dusty or arid conditions, atmospheric pollutants are filtered out while still affording optimum airflow to the carburettors. And the traditional go-anywhere character of the Land Rover is reflected in the new V8 in the immense strength of its box section ladder-type chassis and its suspension.

As well as being resistant to corrosion, its light aluminium body panels, being bolted on wherever possible, offer easy replacement in the event of accident damage.

It is this ruggedness and reliability that has made Land Rover the choice for over 30 years of armies, police and all operators whose work involves off-road conditions.

And, in the new V8, these virtues are now embodied in the most powerful Land Rover you can buy.

The V8 Station Wagon

For personnel transport under any type of conditions, the Station Wagon version of the new V8 is unbeatable. Seating up to 12 people in remarkable comfort, its spaciousness makes light of the longest journey.

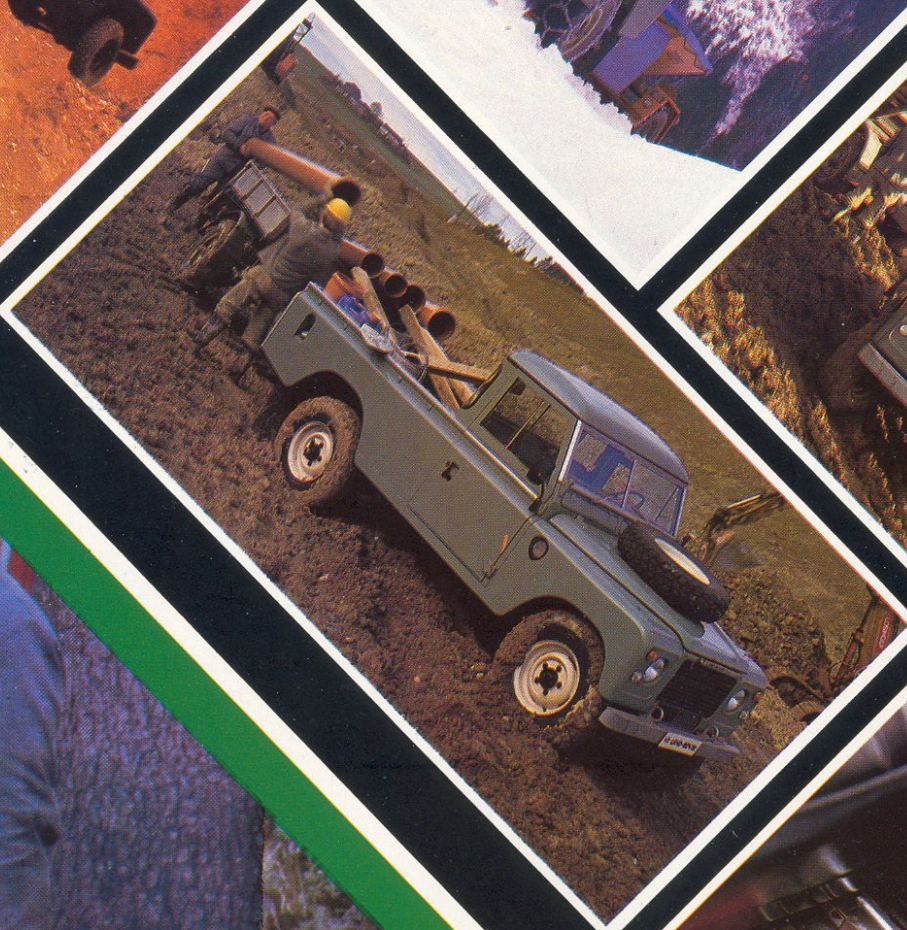
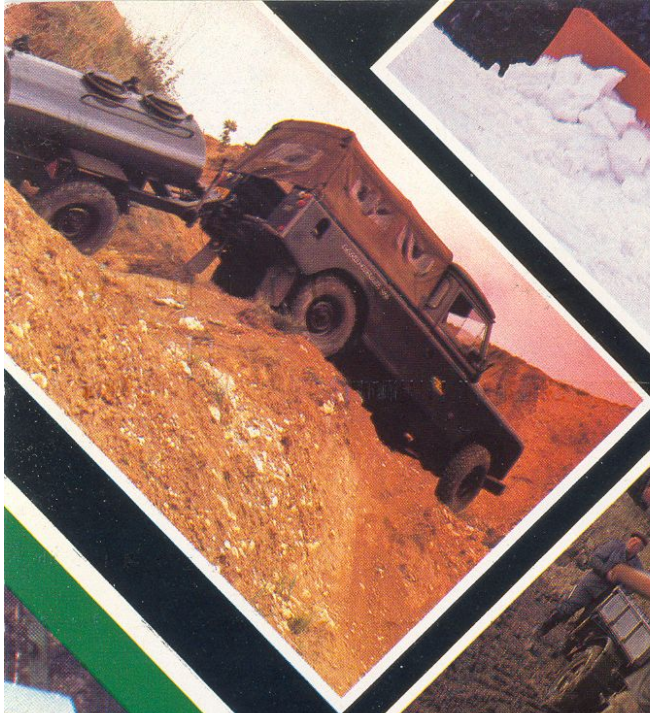
Its robust suspension enables it to cope with prolonged trips over rough country, while its high cruising speed swallows up mile after mile of surfaced road.

- * Distinctive restyled front end
- * Exciting new colour range
- * De luxe seats
- * Comprehensive instrumentation
- * Tinted windows (SW only)
- * Hazard warning lights (SW only)

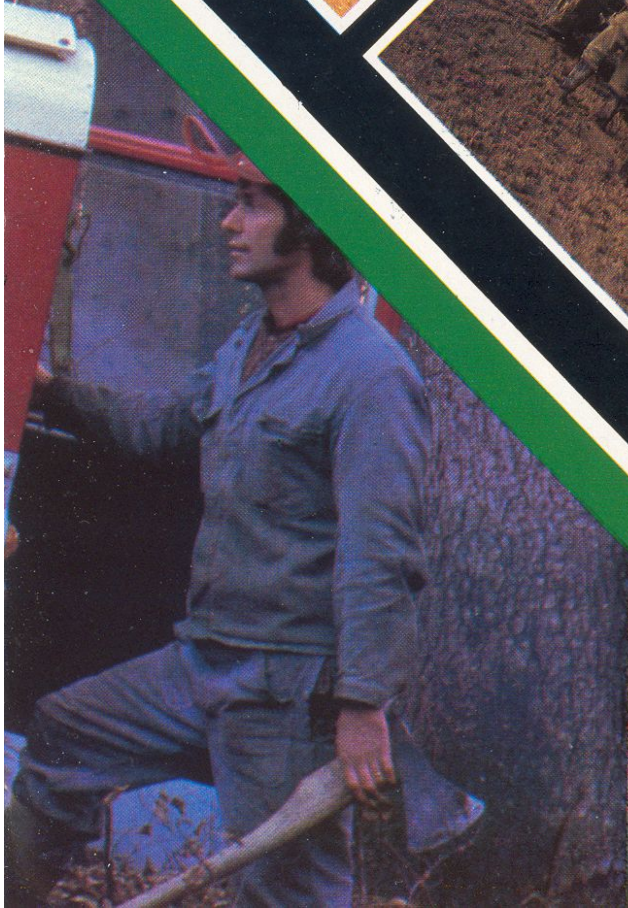
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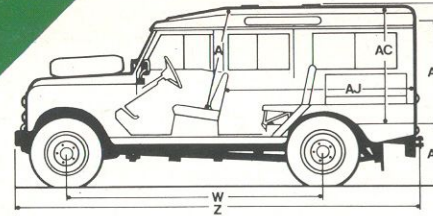
- * Permanent 4 wheel-drive
- * Differential lock
- * Servo assisted dual-line brakes
- * Lifting/towing rings, front and rear
- * Rear fog lamp
- * Astrolan wax coating



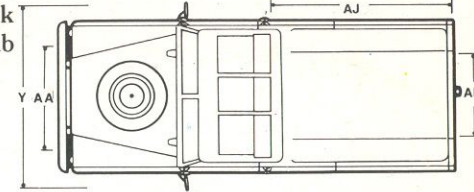


The V8 Pick-up

The remarkable torque and towing power of the new V8 make the pick-up version the obvious choice for every type of agricultural or commercial operation. In a matter of seconds, you can hitch up almost any type of trailer or mobile plant. And the pick-up is available in truck cab, full length hard top and full- or ¾- length canvas hood. To the power of the new Land Rover V8, the pick-up version adds the versatility that has made it foremost throughout the world of industry.



Truck Cab



Station Wagon

Dimensions		109 in. Wheelbase Truck Cab		109 in. Wheelbase 10 & 12 Seater Station Wagon		109 in. Wheelbase Truck Cab		109 in. Wheelbase 10 & 12 Seater Station Wagon	
		mm.	in.	mm.	in.	mm.	in.	mm.	in.
Seat Headroom	A	0991	39.00	0991	39.00				
Wheelbase	W	2768	109.00	2768	109.00	0495	19.50	0902	35.50
Overall Height (Unladen)	X	192	75.50	2010	79.00	0914	36.00	1130	44.50
Overall Width (excl. mirrors)	Y	1690	66.54	1690	66.54	0914	36.00	2032	80.00
Overall Length	Z	4445	175.00	4445	175.00	1850	72.75	0762	30.00
Height - Body Floor to Roof	AE			1187	46.75	0762	30.00	0209	8.25
Body Interior Width	AD	1460	57.48	1460	57.48	0209	8.25	0209	8.25
Track	AA	1334	52.52	1334	52.52	14300	47ft	14300	47ft
Rear Door Opening Height	AE								
Body Interior Height	AF								
Rear Door Opening Width	AJ								
Tailgate Opening Width	AH								
Body Interior Length (without spare wheel fitted)									
Height of Body Floor (unladen)									
Ground Clearance									
Turning circle									

109 V8 Technical Specification

Engine	
Type	O.H.V. all aluminium
Bore	88.9mm (3.5in)
Stroke	71.1mm (2.8in)
Capacity	3528cm ³
Compression ratio	8.13:1
Max. power	92 P.S. (DIN) @ 3,500rpm 67.7kW (90.7bhp)
Max. torque	23mkG (DIN) @ 2,000rpm 225.6Nm (166.4lbfft)
Max. r.p.m.	5,000
Firing order	1,8,4,3,6,5,7,2

Lubrication	
Nominal pressure	2.1-2.8kgf/cm ² (30-40lb/in ²) @ 2,400
Oil filters - internal	Gauze pump-intake strainer
- external	Full flow oil filter

Fuel System	
Carburettors	Twin Zenith-Stromberg
Petrol pump	Facet electric
Fuel tank	At rear of vehicle

Cooling System	
Type	Pressurised with pump, fan, thermostat and expansion tank
Working pressure	1.05kgf/cm ² (15lb/in ²)
Thermostat	Wax type 82°C
Radiator	Crossflow

Transmission	
Clutch	Diaphragm spring single dry plate 267mm (10.5in) dia.
Main gearbox	Four speed and reverse. Synchromesh on forward gears
Transfer box	Two speed reduction on main gearbox output. Front and rear drive permanently engaged via a third differential - locked by a vacuum control switch. Switch mounted on heelboard.

Overall ratios - final drive	
High range - Top	4.7281:1
Third	7.1154:1
Second	11.5745:1
First	19.2390:1
Reverse	17.3253:1
Low range - Top	11.7497:1
Third	17.6822:1
Second	28.7634:1
First	47.8101:1
Reverse	43.0538:1
Differential ratio (both axles)	3.54:1

Spiral bevel with enclosed constant velocity joints

Vehicle Weights	
Truck cab	Laden G.V.W. 2710kg
Station wagon	2710kg
For sustained cross country use the Gross Vehicle Weight must be reduced by 90kg (off the rear axle).	

Maximum Permissible Towed Weights	
Trailer with brakes	On-Road 500kg (1,100lb)
Trailer with overrun brakes	500kg (1,100lb)
4-wheel trailers with coupled brakes	2,000kg (4,400lb)
	Off-Road 1,000kg (2,200lb)
	1,000kg (2,200lb)

Brakes	
Type	Hydraulic - servo assisted
Drum diameter	279.4mm (11.00in)
Brake shoe width	76.2mm (3.00in) front, 57.1mm (2.25in) rear
Handbrake	Mechanical duo-servo drum brake on rear of transfer box
Size	184mm (7.25in) dia., 76mm (3.00in) width

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

Wheels	
Type	Ventilated disc
Size	5.50Fx16ins
Tyre size	7.50x16ins



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SUPERCOVER
Even if you never need it, it's good to know you've got it.
Applicable only to vehicles used within the United Kingdom.