

SECTION 6

General data

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General data

LUBRICANTS AND FLUIDS

Recommendations for all climates and conditions.

COMPONENTS		AMBIENT TEMPERATURE ° C									
Specification	SAE	-30	-20	-10	0	10	20	30	40	50	
Engine sump											
Oils must meet	5W/30										
API service levels SG or SH	5W/40, 5W/50										
	10W/30										
	10W/40,										
	10W/50										
	10W/60										
Main gearbox - automatic											
ATF Dexron II or III											
Transfer gearbox											
MIL-L-2105 or	90W EP										
MIL-L-2105B, C & D	80W EP										
Final drive units, swivel pin housings											
MIL-L-2105 or	90W EP										
MIL-L-2105B, C & D	80W EP										
Power steering											
ATF M2C 33 (F or G) or											
ATF Dexron II or III											

General data

Lubrication nipples (hubs, ball joints, prop. shafts, etc.)

NLGI-2 Multipurpose Lithium based grease

Brake reservoir

Universal brake fluids or any brake fluid having a minimum boiling point of 500° F (260° C) and complying with FMVSS 116 DOT4

Windscreen washers

Screen washer fluid

Engine cooling system

Ethylene glycol based anti-freeze (containing no methanol) with non-phosphate corrosion inhibitors suitable for use in aluminium engines. Use one part anti-freeze to one part water for protection down to -33° F (-36° C)

Air conditioning compressor

Use only refrigerant R134A and refrigerant oil ND 8

Door locks (anti-burst) and inertia reels

DO NOT LUBRICATE. These components are lubricated for life during manufacture.

Battery terminals

Petroleum jelly. DO NOT use silicone grease.

General data

CAPACITIES

The following capacities are approximate and provided as a guide only. All oil levels must be set using the dipstick or level plugs as applicable.

	Metric	Imperial
Fuel tank - usable capacity	59,09 litre	13.00 Imp gall
Engine sump	6,01 litre	10.70 Imp pt
Additional capacity after fitting new oil filter	0,56 litre	1.00 Imp pt
Main gearbox	9,10 litre	15.70 Imp pt
Transfer gearbox	2,30 litre	4.00 Imp pt
Front differential	1,70 litre	3.00 Imp pt
Rear differential	2,30 litre	4.00 Imp pt
Cooling system	12,80 litre	22.50 Imp pt

General data

ENGINE

Bore	3.70 in (93,98 mm)
Stroke	2.800 in (71,12 mm)
Number of cylinders	8
Cylinder capacity	241 in ³ (3950 cc)
Compression ratio	9.35:1
Firing order	1, 8, 4, 3, 6, 5, 7, 2
Sparking plug type	Champion RN11YC
Sparking plug gap	0.033 - 0.038 in (0,84 - 0,96 mm)

STEERING

Turns, lock to lock	3.38
Camber angle	Zero
Castor angle	3°
Swivel pin inclination	7°
Front wheel toe-out	0 to 2 mm
Turning circle between kerbs	40.4 ft (12,3 m)

ELECTRICAL SYSTEM

Type	Negative ground
Voltage	12
Battery	380/120/90
Charging circuit	Alternator
Ignition system	Electronic

REPLACEMENT BULBS

Headlights	60/55 W Halogen sealed beam
Side lights	12 V 5 W
Side marker lights	12 V 3.5 W
Stop lights	12 V 21 W
Tail lights	12 V 5 W
Direction indicator lights	12 V 21 W
Number plate lights	12 V 4 W
Reversing lights	12 V 21 W
Rear fog guard lights	12 V 21 W
Interior lights	12 V 10 W
Warning lights	12 V 1.2 W
Instrument illumination	12 V 2 W
High level stop light	12 V 21 W

General data

DIMENSIONS

Overall length (including spare wheel)	160.5 in (4072 mm)
Overall width	70.5 in (1790 mm)
Overall height	80.2 in (2037 mm)
Wheelbase	92.9 in (2360 mm)
Track front/rear	58.5 in (1486 mm)
Width between wheel boxes	36.4 in (925 mm)

OFF-ROAD PERFORMANCE

Max. gradient	45°
Approach angle	51° curb weight
Departure angle	35° curb weight
Wading depth	20 in (500 mm)
Min. ground clearance (unladen)	9.0 in (229 mm)
Ramp break over angle	146°

TOWING WEIGHTS (refer to section 3)

Maximum permissible towed weights	On-road	Off-road
Unbraked trailers	1653 lb (750 kg)	1102 lb (500 kg)
Trailers with brakes	7716 lb (3500 kg)	2204 lb (1000 kg)
Nose Weight	330 lb (150 kg)	330 lb (150 kg)

NOTE: All weight figures are subject to local restrictions.

General data

VEHICLE WEIGHTS

EEC kerb weight* 3902 lb (1845 kg)

Max front axle weight 2701 lb (1200 kg)

Max rear axle weight 3300 lb (1500 kg)

Gross vehicle weight 6001 lb (2550 kg)

* kerb weight = unladen vehicle weight + full fuel tank (no occupants or payload)

NOTE: Axle weights are non additive. The individual maximum axle weights and gross vehicle weight must not be exceeded.

WHEELS

Wheel size 7J x 16

Road wheel nut torque 100 lbf/ft (135 Nm)

TYRE SIZE & PRESSURES

	Front	Rear
Normal - all load conditions		
265/75 R16 radial (multi-terrain)	1,9 bar	2,4 bar
	28 lbf/in ²	35 lbf/in ²
	2,0 kgf/cm ²	2,5 kgf/cm ²

WARNING

Tyre pressures must be checked with the tyres cold, as the pressure is about 0.21 bar (3 lbf/in² or 0,2 kgf/cm²) higher at running temperature.

If the vehicle has been parked in the sun or high ambient temperatures, DO NOT reduce the tyre pressures, move the vehicle into the shade and wait for the tyres to cool before checking the pressures.

WARNING

ALWAYS use the same make and type of radial-ply tyres, front and rear. DO NOT use bias-ply tyres, or interchange tyres from front to rear.

- *If the wheel is marked 'TUBELESS', an inner tube must NOT be fitted.*
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General data

FUEL CONSUMPTION

The fuel consumption figures shown below have been calculated using a standard testing procedure (the new EC test procedure from Directive 93/116/EC), and produced in accordance with The Passenger Car Fuel Consumption (Amendment) Order 1996. Under normal use, a car's actual fuel consumption figures may differ from those achieved through the test procedure, depending on driving technique, road and traffic conditions, environmental factors, vehicle and load conditions.

URBAN		EXTRA-URBAN		COMBINED	
mpg	l/100km	mpg	l/100km	mpg	l/100km
13.1	21.5	24.1	11.7	18.5	15.3

Urban cycle

The urban test cycle is carried out from a cold start and consists of a series of accelerations, decelerations and periods of steady speed driving and engine idling. The maximum speed attained during the test is 31 mph (50 km/h), with an average speed of 12 mph (19 km/h).

Extra-urban cycle

The extra-urban test cycle is carried out immediately after the urban test. Approximately half the test comprises steady speed driving, while the remainder consists of a series of accelerations, decelerations and engine idling. The maximum test speed is 75 mph (120 km/h) and the average speed 39 mph (63 km/h). The test is carried out over a distance of 4.3 miles (7 km).

Combined

The combined figure is an average of the urban and the extra-urban test cycle results, which has been weighted to take account of the different distances covered during the two tests.

NOTE: *These figures should not be compared with the figures produced using the ECE/EEC procedure previously required by The Passenger Car Fuel Consumption Order 1983. Because of the changes in test procedure, even the urban figures would differ if the same car were subjected to both tests.*

