SECTION 5
General data

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LUBRICANTS AND FLUIDS

Recommendations for all climates and conditions.

COMPONENTS **Specification**	**SAE**	**AMBIENT TEMPERATURE ° C** **-30 -20 -10 0 10 20 30 40 50**
Petrol engine sump Oil to meet ACEA A1, (Note: ACEA A2 oils are also suitable)	5W/30 5W/40, 5W/50 10W/30 10W/40 10W/50 10W/60	
Diesel engine sump Oil to meet ACEA A1 & B1 (Note: ACEA B2 oils are also suitable)	5W/30 5W/40, 5W/50 10W/40	
Main gearbox, manual MTF 94 Texaco		
Main gearbox, automatic ATF Dexron IID		
Transfer gearbox Multigear Texaco or oil to meet API GL5	75W/90R	
Axles Multigear Texaco or oil to meet API GL5	75W/90R	
Power steering & ACE Texaco Cold Climate PAS fluid 14315		

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 (petrol & diesel models)

Use Havoline Extended Life Coolant (XLC), or any ethylene glycol based anti-freeze (containing no methanol) with only Organic Acid Technology (OAT) corrosion inhibitors. Use one part anti-freeze to one part water for protection down to -33° F (-36° C).

Air conditioning compressor

Nippondenso ND-8 or Unipart ND-8.

Inertia reel seat belts

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

CAPACITIES

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

Fuel tank	95 litre (21 gall)
Engine sump	
- Diesel	8.2 litre (14.3 pt)
- Petrol	6.6 litre (11.5 pt)
Engine oil refill and filter change	
- Diesel	7.2 litre (12.6 pt)
- Petrol	5.8 litre (10.1 pt)
Manual gearbox	2.7 litre (4.7 pt)
Automatic gearbox (from dry)	9.70 litre (17.00 pt)
Transfer box	2,10 litre (3.7 pt)
Front differential	1,70 litre (2.9 pt)
Rear differential	1,70 litre (2.9 pt)
Washer reservoir	6,00 litre (10.5 pt)
Cooling system	
- Petrol	13 litre (22.75 pt)
- Diesel	13 litre (22.75 pt)
Cooling system refill:	
- Petrol	7.5 litre (13.1 pt)
- Diesel	7.5 litre (13.1 pt)

Engine - diesel

Bore ..... 84.45 mm (3.3248 in)
Stroke ..... 88.95 mm (3.5020in)
Number of cylinders 5
Compression ratio 19.5:1
Cylinder capacity ..... 2495 cm^3
Firing order 1-2-4-5-3

Engine - V8 petrol (high compression)

Bore ..... 94,0 mm (3.700 in)
Stroke ..... 71,04 mm (2.800 in)
Number of cylinders 8
Cylinder capacity ..... 3950 cm^3
Compression ratio 9.35:1
Firing order 1, 8, 4, 3, 6, 5, 7, 2
Spark plug type ..... Champion RC11PYPB4
Spark plug gap ..... 0.95 - 1.05 mm

Engine - V8 petrol (low compression)

Bore ..... 94,0 mm (3.700 in)
Stroke ..... 71,04 mm (2.800 in)
Number of cylinders 8
Cylinder capacity ..... 3950 cm^3
Compression ratio 8.23:1
Firing order 1, 8, 4, 3, 6, 5, 7, 2
Spark plug type ..... Champion RC11PYPB4
Spark plug gap ..... 0.95 - 1.05 mm

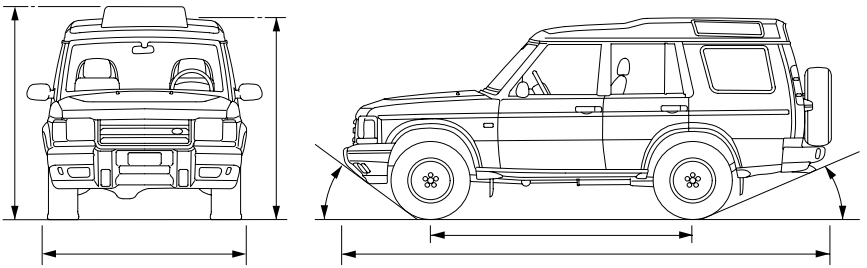
STEERING

Turns lock to lock ..... 3.5 turns
Camber angle ..... Zero
Castor angle ..... 3.6° - 3.8°
King pin inclination ..... 13°
Front wheel toe-out included angle ..... 0° 5' ± $2^{1}/_{2}$' - individual (0° 10' ± 5' total)

Turning circle between kerbs (all models) ..... 11,9 metres (39.1 ft)

ELECTRICAL SYSTEM

Type ..... Negative earth
Voltage 12
Battery type
  Petrol vehicles ..... Group 24 (72 amp/hr)
  Diesel vehicles ..... Group 31 (110 amp/hr)
Charging circuit ..... Alternator



DIMENSIONS

Overall length (including spare wheel)	4705 mm (185.2 in)
Overall length (including tow hitch)	4715 mm (185.6 in)
Overall width (excluding mirrors)	1885 mm (74.2 in)
Overall height (no roof bars)	1940 mm (76.4 in)
Overall height (open sunroof)	2015 mm (79.3 in)
Wheelbase	2540 mm (100.0 in)
Track - front	1540 mm (61.6 in)
Track - rear	1560 mm (61.4 in)

OFF-ROAD PERFORMANCE

Max. gradient (EEC kerb weight)		45°
Approach angle (EEC kerb weight)		
	Coil spring	30.9°
	Air spring	31.2°
Departure angle with tow hitch		
- (EEC kerb weight)	coil spring	18.8°
	air spring	18.1°
	air spring (off-road)	21.0°
Departure angle without tow hitch		
- (EEC kerb weight)	coil spring	21.1°
	air spring	21.4°
Wading depth		500 mm (20.0 in)
Min. ground clearance (unladen)		253.5 mm (10.0 in)

TOWING WEIGHTS

Maximum permissible towed weights	On-road	Off-road
Unbraked trailers	1653 lb (750 kg)	1653 lb (750 kg)
Trailers with overrun brakes	7716 lb (3500 kg)	2204 lb (1000 kg)
Roof rack load	110 lb (50 kg)	66 lb (30 kg)

VEHICLE WEIGHTS

Approximate EEC kerbweights (full fuel tank, excluding options)

Petrol engine vehicles	2095 - 2235 kg	4,619 - 4928 lb
Diesel engine vehicles	2150 - 2280 kg	4,740 - 5,027 lb

Maximum gross vehicle weight:		
- All 5 seat vehicles (coil suspension)	2750 kg	6,063 lb
- Petrol engine (self-levelling suspension)	2825 kg	6,228 lb
- Diesel engine (self-levelling suspension)	2880 kg	6,349 lb
Maximum front axle load:		
- All vehicles	1200 kg	2,646 lb
Maximum rear axle load:		
- Coil spring vehicles	1720 kg	3792 lb
- Air suspension vehicles	1800 kg	3968 lb

NOTE: *The rear axle load for vehicles with air suspension can be increased to a maximum of 1928 kg when towing, provided road speed is limited to 62 mph (100 km/h).*

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

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.

MODEL	URBAN		EXTRA-URBAN		COMBINED	
	mpg	l/100km	mpg	l/100km	mpg	l/100km
Petrol models:						
V8 Manual	12.1	23.3	22.2	12.7	17.0	16.6
V8 Auto	12.3	22.9	21.6	13.1	16.9	16.7
Diesel models:						
Manual	24.6	11.5	34.4	8.2	30.0	9.4
Auto	22.2	12.7	31.4	9.0	27.4	10.3

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.*

FUEL

Diesel ..... Diesel or Automotive Gas Oil (AGO) to EN 590

Petrol

Catalyst vehicles

- V8 high compression engines ..... 95 RON unleaded to EN 228
- V8 low compression engines ..... 91 RON unleaded to EN 228

Non-catalyst vehicles

- V8 low compression engines ..... 95 RON leaded or 91 RON unleaded

WHEELS AND TYRES

Wheel and tyre size:

Steel wheels:

7J x 16	use with 215/75 R16 Pirelli Scorpion S/T 107T
	use with 235/70 R16 Michelin XPC* 105H
	use with 235/70 R16 Goodyear Wrangler HP 105H

Alloy wheels:

7J x 16	use with 235/70 R16 Goodyear Wrangler HP 105H
	use with 235/70 R16 Michelin XPC* 105H
8J x 16	use with 255/65 R16 Goodyear Wrangler HP 109H
	use with 255/65 R16 Michelin XPC* 109H
8J x 18	use with 255/55 R18 Goodyear Wrangler HP 109H

Road wheel nut torque ..... 140 Nm 103 lbf/ft

Tyre pressures:

All tyres (normal operating conditions)	Front:	28 lbf/in^2	1.9 bar
	Rear:	38 lbf/in^2	2.6 bar
All tyres (vehicle loaded to maximum gross vehicle weight)	Front:	28 lbf/in^2	1.9 bar
	Rear:	46 lbf/in^2	3.2 bar

NOTE: *When towing, the additional load imposed may cause the tyre maximum load rating to be exceeded. This is permissible provided the load rating is not exceeded by more than 15% and that road speeds are limited to 62 mph (100 km/h) and tyre pressures are increased by at least 3 lbf/in^2 (0.2 bar).*