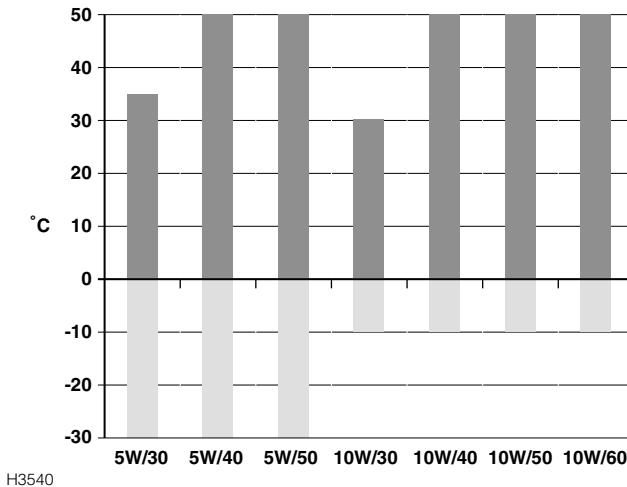


Technical Data

LUBRICANTS AND FLUIDS

Recommendations for all climates and conditions.



Engine oil - Petrol engines

Use a 5W/30, 5W/40, 5W/50, 10W/30, 10W/40, 10W/50 or 10W/60 oil meeting specification ACEA: A1 and having a viscosity band recommended for the temperature range of your locality.

NOTE: ACEA A2 oils are also suitable.

Engine oil - Diesel engines

Use a 5W/30, 5W/40, 5W/50 or 10W/40 oil meeting specification ACEA: A1 and B1, and having a viscosity band recommended for the temperature range of your locality.

NOTE: ACEA B2 oils are also suitable.

Manual gearbox

Use Texaco MTF 94 oil.

Automatic gearbox

Use ATF Dexron IID.

Transfer gearbox

Multigear Texaco 75W/90R or oil to meet API GL5.

Technical Data

Axles

Multigear Texaco 75W/90R or oil to meet API GL5.

Power steering and ACE

Texaco Cold Climate PAS fluid 14315.

Brake reservoir

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

Windscreen washers

Screen washer fluid.

Engine cooling system

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 -36° C (-33° F).

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.

Technical Data

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 oil (from dry):	
- Diesel vehicles	8,20 litre (14.3 pt)
- Petrol vehicles	6,60 litre (11.5 pt)
Engine oil refill and filter change:	
- Diesel vehicles	7,20 litre (12.6 pt)
- Petrol vehicles	5,80 litre (10.1 pt)
Manual gearbox	2,70 litre (4.7 pt)
Automatic gearbox	9,70 litre (17.0 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:	
- Diesel vehicles	13 litre (22.75 pt)
- Petrol vehicles	13 litre (22.75 pt)
Cooling system refill:	
- Diesel vehicles	7,5 litre (13.1 pt)
- Petrol vehicles	7,5 litre (13.1 pt)

Technical Data

ENGINES

Diesel

Fuel	Diesel or Automotive Gas Oil (AGO) to EN 590 specification
Capacity	2495 cm ³ (152.5 in ³)
Firing order	1-2-4-5-3
Bore	84,45 mm (3.3248 in)
Stroke	88,95 mm (3.5020 in)
Number of cylinders	5
Compression ratio	19.5:1

V8 Petrol - High compression

Fuel	UNLEADED 95 RON to EN 228 specification
Capacity	3950 cm ³ (241in ³)
Firing order	1-8-4-3-6-5-7-2
Idle speed	660 ± 50 rev/min
Bore	94,0 mm (3.700 in)
Stroke	71,04 mm (2.800 in)
Number of cylinders	8
Compression ratio	9.35:1
Spark plugs	Champion RC11PYPB4
Spark plug gap	0,95 - 1,05 mm

Technical Data

V8 Petrol - Low compression

Fuel:	
- Catalyst vehicles	UNLEADED 91 RON to EN 228 specification
- Non-catalyst vehicles	UNLEADED 91 RON or 95 RON LEADED
Capacity	3950 cm ³ (241in ³)
Firing order	1-8-4-3-6-5-7-2
Idle speed	660 ± 50 rev/min
Bore	94,0 mm (3.700 in)
Stroke	71,04 mm (2.800 in)
Number of cylinders	8
Compression ratio	8.23:1
Spark plugs	Champion RC11PYPB4
Spark plug gap	0,95 - 1,05 mm

Technical Data

ELECTRICAL SYSTEM

Battery type:	
Petrol vehicles	Group 24, sealed for life
Diesel vehicles	Group 31, sealed for life
Battery rating:	
Petrol vehicles	72 amp/hr
Diesel vehicles	110 amp/hr
Voltage and polarity	12 V, negative (-) earth
Charging circuit	Alternator

STEERING

Steering wheel turns lock to lock	3.5
Turning circle between kerbs	11,9 metres (39.1 ft)
Camber angle	0°
Castor angle	3.6° to 3.8°
King pin inclination	13°
Front wheel toe-out included angle	0° 5' ± 2.5' (per side) 0° 10' ± 5' (total)

Technical Data

WHEELS & TYRES

Wheel size and type

Type	Size
Steel wheels	7J x 16
Alloy wheels	7J x 16 8J x 16 8J x 18
Road wheel nut torque	140 Nm (103 lbf/ft)

Tyre specification

Wheel size	Tyre
7J x 16 (steel wheel)	215/75 R16 Pirelli Scorpion S/T 107T 235/70 R16 Michelin XPC* 105H 235/70 R16 Goodyear Wrangler HP 105H
7J x 16 (alloy wheel)	235/70 R16 Goodyear Wrangler HP 105H 235/70 R16 Michelin XPC* 105H
8J x 16 (alloy wheel)	255/65 R16 Goodyear Wrangler HP 109H 255/65 R16 Michelin XPC* 109H
8J x 18 (alloy wheel)	255/55 R18 Goodyear Wrangler HP 109H

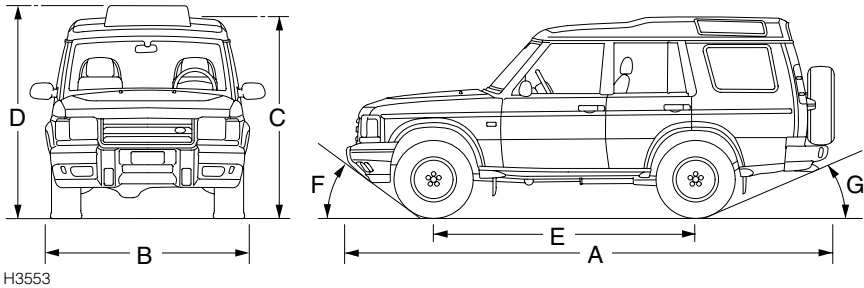
Tyre pressures

Loading condition		Pressure - bar (lbf/in ²)
Normal operating conditions	Front	1.9 (28)
	Rear	2.6 (38)
Vehicle loaded to maximum gross vehicle weight	Front	1.9 (28)
	Rear	3.2 (46)

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 0.2 bar (3 lbf/in²).

Technical Data

DIMENSIONS



A	Overall length (including spare wheel)	4705 mm (185.2 in)
	Overall length (including tow hitch)	4715 mm (185.6 in)
B	Overall width (excluding mirrors)	1885 mm (74.2 in)
C	Overall height (no roof bars)	1940 mm (76.4 in)
D	Overall height (open sunroof)	2015 mm (79.3 in)
E	Wheelbase	2540 mm (100.0 in)
	Track:	
	- Front	1540 mm (61.6 in)
	- Rear	1560 mm (61.4 in)

Off road performance

	Maximum gradient (at EEC kerb weight)	45°
F	Approach angle (at EEC kerb weight)	
	- Vehicles with coil spring suspension	30.9°
	- Vehicles with self-levelling suspension	31.2°
G	Departure angle with tow hitch fitted (at EEC kerb weight)	
	- Vehicles with coil spring suspension	18.8°
	- Vehicles with self-levelling suspension	18.1°
	- Vehicles with self-levelling suspension (raised)	21.0°
G	Departure angle without tow hitch (at EEC kerb weight)	
	- Vehicles with coil spring suspension	21.1°
	- Vehicles with self-levelling suspension	21.4°
	Wading depth	500 mm (21.0 in)
	Minimum ground clearance (unladen)	253,5 mm (10.0 in)

Technical Data

VEHICLE WEIGHTS

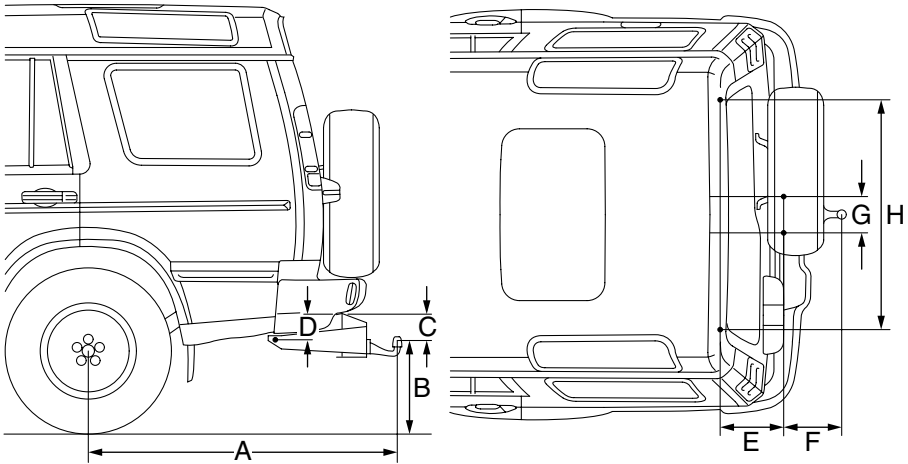
Approximate EEC kerb weights (full fuel tank, excluding options)	
- Petrol engine vehicles	2095 - 2235 kg (4619 - 4928 lb)
- Diesel engine vehicles	2150 - 2280 kg (4740 - 5027 lb)
Maximum gross vehicle weight	
- All 5 seat vehicles (coil spring suspension)	2750 kg (6063 lb)
- Petrol engine vehicles (self-levelling suspension)	2825 kg (6228 lb)
- Diesel engine vehicles (self levelling suspension)	2880 kg (6349 lb)
Maximum front axle load	
- All vehicles	1200 kg (2646 lb)
Maximum rear axle load	
- Vehicles with coil spring suspension	1720 kg (3792 lb)
- Vehicles with self-levelling suspension	1800 kg (3968 lb)

NOTE: The rear axle load for vehicles with self-levelling 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.

Technical Data

TOW BAR DIMENSIONS



H3554

A	Wheel centre to centre of towball	1336 mm
B	Ground to centre of towball	518 mm
C	Centre of inner attachment points to centre of towball	91 mm
D	Centre inner attachments to centre outer attachments	136 mm
E	Centre inner attachments to centre outer attachments	260 mm
F	Centre inner attachments to centre of towball	324 mm
G	Distance between centres of inner attachments	140 mm
H	Distance between centres of outer attachments	628 mm
<i>Dimensions refer to towing equipment officially released by Land Rover</i>		

Technical Data

TOWING WEIGHTS

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

Vehicle, trailer and tow hitch loads

Maximum trailer weight (trailers with overrun brakes)	Vehicle loading limit when pulling max trailer weight	Maximum tow hitch load
Coil spring rear suspension vehicles 3500 kg (3.4 tons)	Driver, and one passenger (or equivalent load)	250 kg (551 lb)
Self-levelling rear suspension vehicles 3500 kg (3.4 tons)	Driver, plus four passengers (or equivalent load stowed forward of luggage comp.)	250 kg (551 lb)

Maximum vehicle load	Maximum trailer weight	Maximum tow hitch load
All vehicles loaded to gross vehicle weight	2000 kg (2 tons)	150 kg (330 lb)

Technical 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 vehicle'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 load and condition.

Fuel consumption figures

	URBAN		EXTRA-URBAN		COMBINED	
	mpg	l/100km	mpg	l/100km	mpg	l/100km
Petrol - manual	12.1	23,3	22.2	12,7	17.0	16,6
Petrol - automatic	12.3	22,9	21.6	13,1	16.9	16,7
Diesel - manual	24.6	11,5	34.4	8,2	30.0	9,4
Diesel - automatic	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 of 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 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.

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