

Lubricants & Fluids

LUBRICANTS AND FLUIDS

Recommendations for all climates and conditions.

Engine oil - Td5 engines

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

NOTE: ACEA A3 and B3 oils can be used if the above are not available.

Engine oil temperature ranges

5W/30 will protect from -30°C to 35°C
10W/40 will protect from -10°C to 50°C

Main gearbox

Use Texaco MTF 94 oil.

Transfer gearbox

Use Castrol Syntrax 75W/90. If this is not available, use Texaco Multigear 75W/90R.

Final drive units

Use Castrol EPX 80W/90.

Power steering

Use Castrol TQ Dexron III. If this is not available, ATF Dexron III can be used.

Lubrication nipples

(hubs, ball joints, prop. shafts, etc.)
NLGI-2 Multipurpose Lithium-based grease.

Brake & clutch reservoirs

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

Windscreen washers

Screen washer fluid.

Engine cooling system

Use Castrol Anti-freeze SF or Texaco XLC, with one part anti-freeze to one part water for protection down to -36° C.

| IMPORTANT INFORMATION |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Be aware that different types of anti-freeze are VERY different from each other; even different types produced by the same manufacturer. The use of non-approved anti-freeze will have an adverse effect on the engine cooling system and, therefore, engine durability. |

Air conditioning compressor

Nippondenso ND-8 or Unipart ND-8.

Door locks (anti-burst) and inertia reel seat belts

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

Capacities

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: | |
| - 110 & 130 models | 75 litre |
| - 90 models | 60 litre |
| Engine oil (from dry): | 7,2 litre |
| Additional capacity after fitting new oil filter: | 1,00 litre |
| Main gearbox | 2,38 litre |
| Transfer box | 2,30 litre |
| Front differential | 1,70 litre |
| Rear differential: | 1,70 litre |
| - 90 models | 1,70 litre |
| - 110 & 130 models | 2,26 litre |
| Cooling system: | 13,0 litre |

Engines

ENGINES

Td5 Diesel

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Fuel | Diesel to EN 590 specification. CAUTION: This vehicle is NOT compatible with 'Bio-diesel' fuel. |
| Capacity | 2498 cm ³ |
| Firing order | 1-2-4-5-3 |
| Bore | 84,45 mm |
| Stroke | 88,95 mm |
| Number of cylinders | 5 |
| Compression ratio | 19.5:1 |

Electrical & Steering

ELECTRICAL SYSTEM

| | |
|----------------------|------------------------------------|
| Battery type: | Delphi YGD 100860, sealed for life |
| Battery rating: | 100 amp/hr |
| Voltage and polarity | 12 V, negative (-) earth |
| Charging circuit | Alternator |

STEERING

| | |
|------------------------------------|-----------------|
| Steering wheel turns lock to lock: | |
| - Manual steering | 4.3 |
| - Power assisted steering | 3.38 |
| Turning circle: | |
| - 90 models | 11,7 m minimum |
| - 110 models | 13,41 m minimum |
| - 130 models | 15,24 m minimum |
| Camber angle | 0° |
| Castor angle | 3° |
| Swivel pin inclination | 7° |
| Front wheel toe-out included angle | 0 to 2 mm |

Wheels & Tyres

WHEELS & TYRES

WARNING

- **ALWAYS** use the same make and type of radial-ply tyres front and back. **DO NOT** use cross-ply tyres, or interchange tyres from front to back.
- For optimum performance and handling, **ALWAYS** replace tyres with the same make and type as those fitted from new at the factory. If these tyres are not available, consult your Dealer for advice on Land Rover approved alternatives. Failure to do so may adversely affect vehicle handling.
.bn
- **NEVER** drive your vehicle if the tyres are badly worn, cut or damaged, or if the pressures are incorrect.
- **Incorrectly inflated tyres wear rapidly and can seriously affect the vehicle's safety and road handling characteristics.**
- If the wheel is marked 'TUBED' an inner tube **MUST** be fitted, even with a tubeless tyre.
- If the wheel is marked 'TUBELESS', an inner tube **must NOT** be fitted.
- **ONLY** Land Rover approved wheel and tyre combinations should be fitted to the vehicle.

Wheel size and type

| Type | Size | Snow Chains | |
|-----------------------------------|-----------------------------------------------|-------------|------|
| | | Front | Rear |
| Alloy Wheels Steel Wheels: | 7J x 16 6.5J x 16 6JK x 16 5.5F x 16 | | |
| Road wheel nut torque | | | |
| Alloy Wheels | 130 Nm (96 lbf/ft) | | |
| Steel Wheels | 108 Nm (80 lbf/ft) | | |
| Heavy Duty Wheels | 170 Nm (125 lbf/ft) | | |
| Spare wheel nut torque | | | |
| Spare to Carrier (Non-swing away) | 45 Nm (33 lbf/ft) | | |
| Spare to Carrier (Swing away) | 53 Nm (39 lbf/ft) | | |

Wheels & Tyres

Tyre pressures

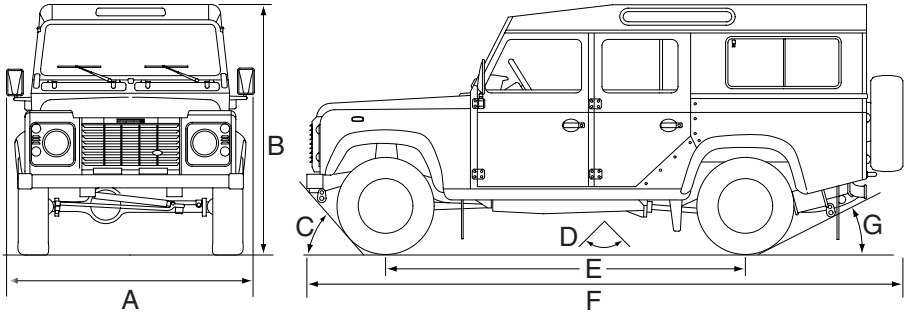
| Loading Conditions | | Tyre size | Pressure - kPa/bar/psi |
|-----------------------------------------------------------------------------------------------------------------------|-------|-------------|------------------------|
| 90 models All operating conditions. | Front | All | 197/2.0/29 |
| | Rear | All | 262/2.6/38 |
| 110 Station Wagon "Freestyle Choice" Normal operating conditions. | Front | 235/85 R 16 | 230/2.3/33 |
| | Rear | 235/85 R 16 | 338/3.4/49 |
| 110 Station Wagon "Freestyle Choice" Vehicle loaded to maximum gross vehicle weight, and/or when towing. | Front | 235/85 R 16 | 230/2.3/33 |
| | Rear | 235/85 R 16 | 448/4.5/65 |
| 110 All Other Models All operating conditions. | Front | All | 197/2.0/29 |
| | Rear | All | 338/3.4/49 |
| 130 models All operating conditions. | Front | All | 309/3.0/45 |
| | Rear | All | 457/4.6/66 |

Tyre specification

| Wheel size | Tyre |
|-------------------------|-----------------------|
| 7J x 16 (alloy wheel) | 235/85 R16 |
| 6.5J x 16 (steel wheel) | 7.50 R16C 7.50 R16 |
| 6JK x 16 (steel wheel) | 205/80 R16 |
| 5.5F x 16 (steel wheel) | 7.50 R16C 7.50 R16 |

Dimensions

DIMENSIONS



H3752

110 Station Wagon illustrated

90 models

| | | |
|----------|--------------------------------------|---------|
| A | Overall width | 1790 mm |
| B | Overall height: | 1940 mm |
| | - Soft top | 1965 mm |
| | - Pick-up & Station Wagon | 1963 mm |
| | - Hard top | 1972 mm |
| C | See 'OFF-ROAD PERFORMANCE', page 183 | |
| D | See 'OFF-ROAD PERFORMANCE', page 183 | |
| E | Wheelbase | 2360 mm |
| F | Overall length: | |
| | - Soft top & Pick-up | 3722 mm |
| | - Hard top & Station Wagon | 3883 mm |
| G | See 'OFF-ROAD PERFORMANCE', page 183 | |
| | Track - front/rear | 1486 mm |
| | Width between wheel boxes | 925 mm |

Dimensions

110 models

| | | |
|----------|----------------------------------------------------------------------------------------------------|-------------------------------|
| A | Overall width | 1790 mm |
| B | Overall height | 2035 mm |
| C | See ' <i>OFF-ROAD PERFORMANCE</i> ', page 183 | |
| D | See ' <i>OFF-ROAD PERFORMANCE</i> ', page 183 | |
| E | Wheelbase | 2794 mm |
| F | Overall length: Soft top & Pick-up High capacity pick-up Hard top, Station Wagon & County | 4438 mm 4631 mm 4599 mm |
| G | See ' <i>OFF-ROAD PERFORMANCE</i> ', page 183 | |
| | Track - front/rear | 1486 mm |
| | Width between wheel boxes: - High capacity pick-up - All other models | 1090 mm 925 mm |

130 models

| | | |
|----------|-----------------------------------------------|---------|
| A | Overall width | 1790 mm |
| B | Overall height | 2035 mm |
| C | See ' <i>OFF-ROAD PERFORMANCE</i> ', page 183 | |
| D | See ' <i>OFF-ROAD PERFORMANCE</i> ', page 183 | |
| E | Wheelbase | 3226 mm |
| F | Overall length | 5132 mm |
| G | See ' <i>OFF-ROAD PERFORMANCE</i> ', page 183 | |
| | Track - front/rear | 1486 mm |
| | Width between wheel boxes | 1090 mm |

Dimensions

OFF-ROAD PERFORMANCE

90 models

| | | |
|----------|--------------------------------------------|----------|
| | Maximum gradient (at EEC kerb weight) | 45° |
| C | Approach angle (at EEC kerb weight): | |
| | - Soft top & Pick-up | 48° |
| | - Hard top & Station Wagon | 51.5° |
| D | Ramp breakover angle (at EEC kerb weight): | |
| | - Soft top & Pick-up | 145° |
| | - Hard top & Station Wagon | 141° |
| G | Departure angle (at EEC kerb weight) | |
| | - Soft top & Pick-up | 49° |
| | - Hard top & Station Wagon | 53° |
| | Wading depth | 500 mm |
| | Minimum ground clearance (unladen): | 253.5 mm |
| | - Soft top & Pick-up | 191 mm |
| | - Hard top & Station Wagon | 229 mm |

NOTE: Departure angles do not account for the addition of a tow hitch.

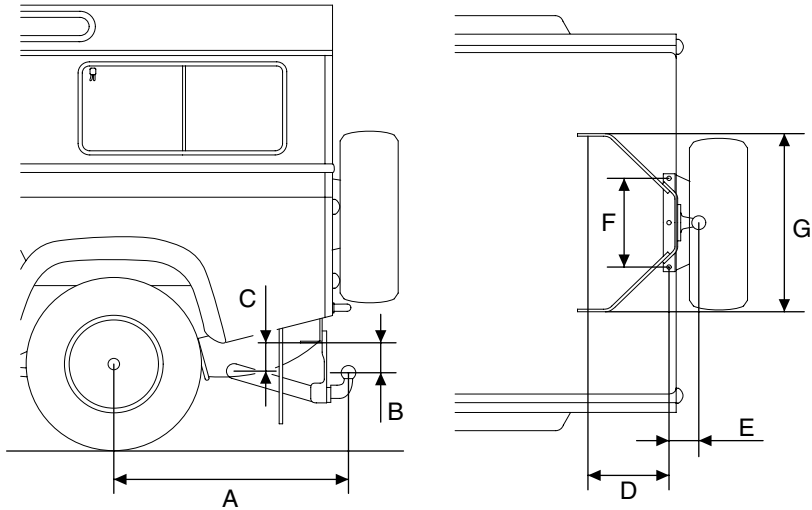
110 & 130 models

| | | |
|----------|--------------------------------------------|--------|
| | Maximum gradient (at EEC kerb weight) | 45° |
| C | Approach angle (at EEC kerb weight) | 50° |
| D | Ramp breakover angle (at EEC kerb weight): | |
| | - 110 models | 152° |
| | - 130 models | 155° |
| G | Departure angle (at EEC kerb weight): | |
| | - 110 models | 35° |
| | - 130 models | 34° |
| | Wading depth | 500 mm |
| | Minimum ground clearance (unladen) | 215 mm |

NOTE: Departure angles do not account for the addition of a tow hitch.

Dimensions

TOW BAR DIMENSIONS



H3875

| | | 90 | 110/130 | HCPU |
|-------------------------------------------------------------------------------|--------------------------------------------------------|--------|---------|---------|
| A | Wheel centre to centre of towball | 796 mm | 1005mm | 1200 mm |
| B | Centre of inner attachment points to centre of towball | 86 mm | 86 mm | 86 mm |
| C | Centre inner attachments to centre outer attachments | 86 mm | 82 mm | 82 mm |
| D | Centre inner attachments to centre outer attachments | 208 mm | 301 mm | 301 mm |
| E | Centre inner attachments to centre of towball | 107 mm | 107 mm | 303 mm |
| F | Distance between centres of inner attachments | 313 mm | 313 mm | 313 mm |
| G | Distance between centres of outer attachments | 744 mm | 635 mm | 635 mm |
| <i>Dimensions refer to towing equipment officially released by Land Rover</i> | | | | |

Weights

VEHICLE WEIGHTS

Axle weights and Gross vehicle weight

| 90 models | | |
|---------------------------|---------------|----------|
| | Station Wagon | Standard |
| Maximum front axle weight | 1200 kg | 1200 kg |
| Maximum rear axle weight: | 1500 kg | 1380 kg |
| Gross vehicle weight: | 2550 kg | 2400 kg |

| 110 models | | | |
|---------------------------|----------|---------------|-------------------------------------|
| | Standard | Station Wagon | Station Wagon "Freestyle choice" |
| Maximum front axle weight | 1200 kg | 1200 kg | 1200 kg |
| Maximum rear axle weight: | 1850 kg | 1750 kg | 1940 kg |
| Gross Vehicle Weight | 3050 kg | 2950 kg | 3050 kg |

| Heavy duty 110 & 130 models | |
|-----------------------------|---------|
| Maximum front axle weight | 1580 kg |
| Maximum rear axle weight | 2200 kg |
| Gross vehicle weight | 3500 kg |

NOTE: Axle weights are non-additive; i.e. maximum GVW is not calculated by adding together maximum front and rear axle loads. The individual maximum axle weights and Gross Vehicle Weights must not be exceeded.

Weights

EEC Kerb weights (unladen weight + full fuel tank + 75 kg driver, excluding options)

| 90 models | No options | All options |
|------------------------|-------------------|--------------------|
| Pick-up | 1770 kg | 1935 kg |
| Hard top | 1815 kg | 1985 kg |
| Station Wagon | 1870 kg | 1990 kg |
| Station Wagon - County | 1885 kg | 2000 kg |

| 110 models | No options | All options |
|------------------------------|-------------------|--------------------|
| Pick-up | 1885 kg | 2080 kg |
| High-capacity pick-up (HCPU) | 1920 kg | 2120 kg |
| Hard top | 1920 kg | 2110 kg |
| Station Wagon | 2020 kg | 2195 kg |
| Station Wagon - County | 2055 kg | 2230 kg |

| 130 models | No options | All options |
|-----------------------|-------------------|--------------------|
| High-capacity pick-up | 2120 kg | 2285 kg |

Towing Weights

TOWING WEIGHTS

| MAXIMUM TRAILER WEIGHT. With vehicle loaded to gross vehicle weight (GVW). | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|--------------------------------------|
| | On-road | Off-road | Maximum Tow Hitch Load (Nose Weight) |
| Diesel Engine | | | |
| Unbraked trailer | 750 kg (1653 lb) | 500 kg (1102 lb) | 150 kg (330 lb) |
| Trailer with over-run brakes | 3500 kg (7716 lb) | 1000 kg (2205 lb) | 150 kg (330 lb) |
| Trailer with fully coupled brakes | 4000 kg (8818 lb) | 1500 kg (3307 lb) | 150 kg (330 lb) |
| To increase stability when loading to the maximum trailer weight, it is recommended that trailer load distribution be adjusted to achieve the maximum nose weight limit, see ' <i>Vehicle weights</i> ', page 96. | | | |
| NOTE: When towing on-road, DO NOT exceed 100 km/h (60 mph). | | | |

| GROSS TRAIN WEIGHT (WITH OVER-RUN BRAKES) = GVW plus maximum trailer weight of 3550kg (7716 lb). | | | |
|---------------------------------------------------------------------------------------------------------|-----------------------|--|-----------------|
| 90 | 6050 kg (13338 lb) | | 150 kg (330 lb) |
| 110 | 6550 kg (14440 lb) | | 150 kg (330 lb) |
| Heavy duty models | 7000 kg (15430 lb) | | 150 kg (330 lb) |

NOTE: For braked trailers only, if a greater nose weight is necessary, up to 100 kg (220 lb) can be added to the nose weight (up to a maximum of 250 kg (550 lb) total nose weight). However, vehicle payload **MUST BE RESTRICTED** by at least the same amount to ensure that the GVW and rear axle load are not exceeded.

Towing Weights

| MAXIMUM ROOF RACK WEIGHT | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|--|
| | On-road | Off-road | |
| Land Rover approved system | 75 kg (165 lb) | 30 kg (66 lb) | |
| <i>NOTE: The weight of Land Rover approved roof bars and cross rail roof rack is allowed for before further weight calculations are made. However, if an alternative roof rack system is to be used, the weight of the system must be included as part of the load weight.</i> | | | |

Fuel Consumption

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 |
|---------------|---------|-------------|----------|
| | l/100km | l/100km | l/100km |
| Td5 90 | 12.0 | 9.0 | 10.1 |
| Td5 110 & 130 | 12.7 | 9.7 | 10.8 |

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 50 km/h with an average speed of 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 120 km/h and the average speed 63 km/h. The test is carried out over a distance of 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.*

Appendices

DECLARATIONS OF CONFORMITY

IMPORTANT INFORMATION

The Declarations of Conformity detailed on the following pages are from manufacturers of RF (Radio Frequency) equipment, whose components are used in the manufacture of your Land Rover Defender.

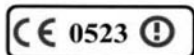
These manufacturers state that their components comply with relevant rules of the R & TTE (Radio and Telecommunication Terminal Equipment) directive.

The directive requires the manufacturer of short range radio devices to self certify that RF parts fitted to Land Rover vehicles are fit for use and that the declarations are supplied with the vehicle documentation. If at a future date a technical inspection is required, the declarations will provide all necessary information.

NOTE: *The Declarations of Conformity are published in the native language of the RF equipment manufacturer, in compliance with the R & TTE Directive.*

Appendices

DECLARATION OF CONFORMITY



This declaration is the responsibility of the manufacturer / authorised representative within the Community:

TRW Automotive Electronics
45, College Road Perry Bar Birmingham, B44 8DU UNITED KINGDOM
(Name / Address)

This certifies that


The 433,92MHz Transmitter designated: 17TN
and The 125KHz Immobilizer designated: 10AS
(Product identification)

complies with the essential protection requirements of R&TTE Directive 1999/5/EC on the approximation of the laws of the Member States relating to **Radio Spectrum Matters, EMC and Electrical Safety.**

This declaration applies to all specimens manufactured in accordance with the technical documentation described in the annex II. TRW Automotive Electronics keep this documentation at the proposal of the relevant national authorities of any Member State for inspection purpose.

Assessment of compliance of the product with the requirements relating to the essential requirements acc. to Article 3 R&TTE was based on Annex II and Annex IV of the Directive 1999/5/EC and the following standards:

| | |
|------------------------|----------------------------------------------------------------------------------------|
| Radio Spectrum: | EN 300220-1 & EN 300 330 (Identification of regulations / standards) |
| EMC: | EN 300 683 & EN 300 489 Part 1 & 3 (Identification of regulations / standards) |
| Safety: | EN 60950, ISO 3795 (based on FMVSS 302) (Identification of regulations / standards) |

 The designated products 17TN and 10AS are not submitted to harmonised standards. These devices are licence exempt and distributed in the European countries which will apply the R&TTE directive: Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and UK.

(Place, date)

Birmingham, England

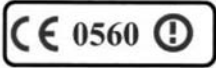
























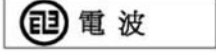


20/02/2001

(Signature)

JOHN BURGESS

Appendices

17TN/8RCv3 TYPE APPROVALS

| COUNTRY | | APPROVAL |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Tahiti and UK | |  |
| Canada (Tx) |  | 19841021576 |
| Canada (Rx) |  | 35821032194A |
| Cyprus |  | MCW 129/954/1998 |
| Gibraltar |  | Yes |
| Malta | | WT/962/9211 |
| New Zealand |  | Yes |
| South Africa |  | RX-387/98 |
| USA |  | KHH17TN |
| Brazil |   | 108200-ASP1194 |
| Croatia (Tx) |  | SRD-144/00 |
| Croatia (Rx) |  | SRD-145/00 |
| Czech Republic |  |  |
| Korea |  |  |
| Latvia |  | 313R |
| Lithuania |  | 0261 |
| Poland |   | ML S.H.Nr1155/2000 |
| Saudi Arabia |  | TRW 17TN/8RCv3 made in UK 433.92 MHz, 3V lithium battery SASO 1322/1997 |
| Slovakia |  |  |
| Slovenia |  | C231—1603/00 |
| Taiwan |  |  |
| Tunisia |  | 0292/MAT/2000 |
| Uruguay |  | 059/DFR/2000 |

Index

A

| | |
|------------------------------|-----|
| Accessories | 149 |
| Aerial | 74 |
| Air blower control | 63 |
| Air conditioning | 65 |
| air vents | 65 |
| blower control | 65 |
| temperature control | 65 |
| Air distribution control | 63 |
| Air temperature controls | 63 |
| Air vents | 62 |
| Alarm | 28 |
| troubleshooting | 35 |
| Alarm indicator light | 30 |
| Anchor points, luggage | 72 |
| Anti-freeze | 131 |
| Anti-lock braking (ABS) | 92 |
| Anti-theft alarm | 28 |
| Audio equipment | 74 |
| Auxiliary equipment (use of) | 81 |
| Axle loads | 185 |

B

| | |
|------------------------|----------|
| Battery | |
| charging | 141 |
| disposal | 141 |
| maintenance | 140 |
| remove & replace | 140 |
| safety | 139 |
| specification | 178 |
| Bonnet opening | 127 |
| Booster cables | 161 |
| Brake fluid | |
| fluid check & top-up | 133, 134 |
| replacement | 123 |
| specification | 133, 134 |
| Brakes | |
| anti-lock brakes (ABS) | 92 |
| brake pads | 91 |
| foot brake | 91 |
| handbrake | 92 |
| servo assistance | 91 |
| warning light (ABS) | 93 |
| Breakdown recovery | 163 |
| Bulb replacement | 169 |

C

| | |
|-----------------------------------|-----|
| Cab Pick-up | |
| cleaning the canopy | 103 |
| fitting & removing the canopy | 100 |
| spare wheel | 99 |
| tailgate operation | 99 |
| Capacities | 176 |
| Carpets (cleaning) | 147 |
| Catalytic converter | 82 |
| Child seats | 47 |
| Child-proof door locks | 36 |
| Cigar lighter | 69 |
| Cleaning (exterior) | 145 |
| Cleaning (interior) | 147 |
| Clock | 68 |
| Cold climates (starting - diesel) | 78 |
| Controls | 26 |
| Coolant | |
| check & top-up | 130 |
| replacement | 123 |
| specification | 131 |
| Cooling system | 130 |
| Courtesy lights | |
| bulb replacement | 172 |
| operation | 68 |
| Cubby box | 70 |
| Cup holder | 70 |

D

| | |
|-------------------------------|------------|
| Demisting | 64 |
| Differential lock | 52 |
| Differential lock (diff lock) | 89 |
| Dimensions | 181 |
| Direction indicators | |
| bulb replacement | 171 |
| operation | 53 |
| Door mirrors | 48 |
| Doors | |
| tail door | 36 |
| Driving | 79, 82, 87 |

E

| | |
|-----------------------------|---------|
| Electric windows | 60 |
| Electronic traction control | 94 |
| Emergency key access code | 32 |
| Emergency starting | 161 |
| Emergency towing | 163 |
| Emission control system | 81, 126 |

Index

| | | | |
|---------------------------|--------|--|--|
| Engine | | | |
| compartment (diesel) | 128 | | |
| data | 177 | | |
| fuse box | 168 | | |
| immobilisation | 32 | | |
| running-in | 79 | | |
| starting (diesel) | 78 | | |
| warming-up | 79 | | |
| Engine oil | | | |
| check & top-up | 129 | | |
| disposal (used oil) | 125 | | |
| specification | 129 | | |
| Exterior mirrors | 48 | | |
| F | | | |
| Face level vents | 62 | | |
| Fan speed control | 63 | | |
| Fluid specifications | 175 | | |
| Fog lights (rear) | | | |
| operation | 55 | | |
| Front seats | 37 | | |
| Fuel | | | |
| consumption | 189 | | |
| cut-off switch | 86 | | |
| economy | 80 | | |
| empty tank | 85 | | |
| filler | 83 | | |
| filling | 85 | | |
| filter | 132 | | |
| gauge | 49 | | |
| priming (diesel) | 85 | | |
| safety | 83 | | |
| specification | 84 | | |
| tank capacity | 176 | | |
| Fuse box | | | |
| engine compartment | 168 | | |
| main | 165 | | |
| Fuses | 165 | | |
| G | | | |
| Gauges | | | |
| fuel | 49 | | |
| speedometer | 49 | | |
| tachometer | 49 | | |
| temperature | 49 | | |
| Gearbox | | | |
| manual | 87 | | |
| transfer box | 88 | | |
| General data | 175 | | |
| Gross weights | 185 | | |
| Ground clearance | 113 | | |
| H | | | |
| Halogen bulbs | 169 | | |
| Hand throttle | 107 | | |
| Handbrake | 92 | | |
| Handset | | | |
| battery replacement | 33 | | |
| operation | 28 | | |
| replacement | 25 | | |
| Hazard warning lights | 52, 55 | | |
| Head restraints | 39 | | |
| Headlights | | | |
| bulb replacement | 170 | | |
| levelling | 54 | | |
| operation | 53 | | |
| Heated front screen | 67 | | |
| Heated front seats | 39 | | |
| Heated rear window | 67 | | |
| Heater controls | 63 | | |
| Heating | 64 | | |
| Height (of vehicle) | 79 | | |
| High-mounted stop light | | | |
| bulb replacement | 172 | | |
| Horn | 58 | | |
| I | | | |
| Ignition switch | 77 | | |
| Immobilisation, engine | 32 | | |
| In-car entertainment | 74 | | |
| Indicators | | | |
| operation | 53 | | |
| Information labels | 20 | | |
| Instrument panel | | | |
| cleaning | 147 | | |
| instruments | 49 | | |
| warning lights | 50 | | |
| Interior (cleaning) | 147 | | |
| Interior lights | | | |
| bulb replacement | 172 | | |
| operation | 68 | | |
| Interior rear-view mirror | 71 | | |
| Interior space protection | 31 | | |

Index

J

| | |
|-----------------------|-----|
| Jack (wheel changing) | 153 |
| Jacking the vehicle | 157 |
| Jump leads | 161 |
| Jump starting | 162 |

K

| | |
|---------------------|----|
| Key access code | 32 |
| Key/handset numbers | 25 |
| Keys | 25 |

L

| | |
|--------------------------|--------|
| Labels | 20 |
| Lights (exterior) | |
| direction indicators | 53 |
| side,tail, headlights | 53 |
| Lights (interior) | |
| courtesy | 68 |
| loadspace | 68 |
| Load carrying | |
| rear seat folding | 40 |
| roof rack | 104 |
| Loadspace light | |
| operation | 68 |
| Locking | 28, 36 |
| Locking wheel nuts | 155 |
| Lubricant specifications | 175 |
| Luggage anchor points | 72 |

M

| | |
|--------------------|--------------|
| Maintenance | 20, 123, 124 |
| Manual gearbox | 87 |
| Mirror (interior) | 71 |
| Mirrors (exterior) | |
| adjustment | 48 |
| cleaning | 146 |
| folding | 48 |
| Mislock | 30 |
| Mobile phones | 71 |

N

| | |
|---------------------|-----|
| Number plate lights | |
| bulb replacement | 172 |

O

| | |
|------------------------------|---------|
| Odometer (distance recorder) | 49 |
| Off-road driving | 93, 111 |

Oil (engine)

| | |
|-------------------|-----|
| check & top-up | 129 |
| disposal | 125 |
| specification | 129 |
| Owner maintenance | 124 |

P

| | |
|--------------------------|-----|
| Parts & accessories | 149 |
| Pillar jack | 159 |
| Poisonous fluids | 125 |
| Polishing (the bodywork) | 146 |
| Power steering | 80 |
| emergency operation | 135 |
| fluid check & top-up | 135 |
| Power take-off drives | 106 |
| Punctured tyres | 143 |

R

| | |
|------------------------------|-----|
| Radio aerial | 74 |
| Radio/cassette player | |
| aerial | 74 |
| Rear fog guard lights | |
| bulb replacement | 171 |
| Rear seats | 40 |
| Rear window | |
| demister | 67 |
| wash/wipe | 57 |
| Rear-view mirror | 71 |
| Recovery (of vehicle) | 163 |
| Remote handset battery | 33 |
| Reverse lights | |
| bulb replacement | 171 |
| Road testing on dynamometers | 126 |
| Roof rack | 104 |
| Running-in | 79 |

S

| | |
|-------------------------|-----|
| Safety in the garage | 125 |
| Safety on the forecourt | 83 |
| Screen wash | 136 |
| Seat belt | |
| care | 46 |
| cleaning | 147 |
| operation | 45 |
| safety | 44 |
| testing | 46 |
| Seat belts | |
| lap belts | 46 |

Index

| | | | |
|---------------------------|---------|--------------------------------|----------|
| Seat heaters | 39 | Towing | 95 |
| Seats | | eyes | 163 |
| child seats | 47 | vehicle weights | 96 |
| cushion removal | 38 | Towing on severe inclines | 97 |
| front | 37 | Towing weights | 187 |
| heated | 39 | Traction control | 94 |
| rear | 40 | Trailer electrical socket | 97 |
| Security card | 19 | Transfer gearbox | 88 |
| Service portfolio book | 20, 123 | Transmission | |
| Servo assistance (brakes) | 91 | manual | 87 |
| Side repeater light | | Transporter or trailer lashing | 164 |
| bulb replacement | 171 | Trip recorder | 49 |
| Sidelights | | Trip recorder reset button | 49 |
| bulb replacement | 171 | Tyre | |
| operation | 53 | pressures | 142, 179 |
| Snow chains | 144 | punctures | 143 |
| Spare wheel (removing) | 154 | replacement | 144 |
| Speedometer | 49 | specifications | 179 |
| Starter switch | 77 | wear indicators | 143 |
| Starting | | U | |
| catalyst (precautions) | 82 | Underbody maintenance | 145 |
| diesel models | 78 | V | |
| emergency | 161 | Vehicle height | 79 |
| warming-up the engine | 79 | Vehicle identification number | 148 |
| Steam cleaning (engine) | 145 | Vehicle recovery | 163 |
| Steering - power assisted | 80 | Vehicle weights | 185 |
| Steering column | | Ventilation | 62, 64 |
| lock | 77 | W | |
| Steering data | 178 | Wading | 119 |
| Steps | 73 | Wading plugs | 120 |
| rear | 73 | Warming-up (the engine) | 79 |
| side | 73 | Warning labels | 20 |
| Stop lights | | Warning light | |
| bulb replacement | 171 | differential lock | 52 |
| Sunroof | 61 | | |
| Sunroof - removal | 61 | | |
| T | | | |
| Tachometer | 49 | | |
| Tail door | 36 | | |
| Tail lights | | | |
| bulb replacement | 171 | | |
| operation | 53 | | |
| Technical data | 175 | | |
| Telephones | 71 | | |
| Temperature gauge | 49 | | |
| Tool kit | 153 | | |

Index

| | |
|------------------------------|--------|
| Warning lights | |
| anti-lock braking (ABS) | 51 |
| battery charging | 50 |
| check engine | 50 |
| direction indicators | 50 |
| engine immobilisation | 52 |
| glow plugs (diesel) | 50 |
| handbrake, brake fluid | 51 |
| hazard lights | 52 |
| headlight main beam | 51 |
| heated rear screen | 52 |
| low fuel | 51 |
| low oil pressure | 50 |
| rear fog guard lights | 52 |
| sidelights | 52 |
| traction control | 51 |
| trailer direction indicators | 52 |
| transmission oil temperature | 52 |
| Warnings (in handbook) | 19 |
| Warranty information | 20 |
| Washers (windscreen) | |
| fluid top-up | 136 |
| jets | 137 |
| operation | 10, 57 |
| Washing (the bodywork) | 145 |
| Weights (vehicle) | 185 |
| Wheel | |
| nuts (locking) | 155 |
| spare (removal) | 154 |
| Wheel changing | |
| changing the wheel | 156 |
| jacking the vehicle | 157 |
| locking wheel nuts | 155 |
| spare wheel | 154 |
| tool kit | 153 |
| wheel chocks | 156 |
| Wheel sizes | 179 |
| Winches | 105 |
| Windows | 60 |
| Windows - manual | 59 |
| Windscreen washers | |
| fluid top-up | 136 |
| operation | 10, 57 |
| Windscreen wipers | |
| operation | 56 |
| wiper blade replacement | 138 |

