Capacities

The following capacities are only an approximation of the amount of fluid required to fill the respective system.

Capacities - UK \ EURO \ ROW

Component	Metric Units
Fuel tank	95 litres
Engine - Td5:	
⇒ Engine oil and filter change	7.2 litres
⇒ Fill from dry	8.2 litres
Engine - V8 with oil cooler:	
⇒Engine oil and filter change	6.27 litres
⇒Engine oil refill from dry:	7 litres
Engine - V8 without oil cooler:	
⇒Engine oil and filter change	5.8 litres
⇒ Engine oil refill from dry	6.5 litres
Manual gearbox without oil cooler:	
⇒ Refill	2.3 litres
⇒ Fill from dry	2.6 litres
Manual gearbox with oil cooler:	
⇒ Refill	2.8 litres
⇒ Fill from dry	3.1 litres
Automatic gearbox fill from dry	9.7 litres
Transfer box:	
⇒ Refill	2.0 litres
⇒ Fill from dry	2.3 litres
Front and rear axle:	
⇒ Refill	1.6 litres
⇒ Fill from dry	1.7 litres
Cooling system - Td5 Engine:	
⇒ Refill	8 litres
⇒ Fill from dry	13 litres
Cooling system - V8 Engine:	
⇒ Refill	12 litres
⇒ Fill from dry	13 litres

Capacities - NAS

Component	US Units
Fuel tank	25.5 gal
Engine - V8 with oil cooler:	
⇒ Engine oil and filter change	6.6 qt
⇒ Engine oil refill from dry	7.4 qt
Engine - V8 without oil cooler:	
⇒ Engine oil and filter change	6.1 qt
⇒ Engine oil refill from dry	6.9 qt
Automatic gearbox fill from dry	19.7 pt
Transfer box:	
⇒ Refill	4.1 pt
⇒ Fill from dry	4.8 pt
Front and rear axle:	

Component	US Units
⇒ Refill	3.4 pt
⇒ Fill from dry	3.6 pt
Cooling system - V8 Engine:	
⇒ Refill	24.2 pt
⇒ Fill from dry	26.2 pt

Refrigerant - A/C system

⇒Front A/C	700 ± 25 g
⇒Front/rear A/C	900 ± 25 g

Fluids

Anti-freeze
Use Havoline Extended Life Coolant (XLC), or any ethylene glycol based anti-freeze (containing no methanol) with only Organic Acid Technology corrosion inhibitors, to protect the cooling system

CAUTION: No other anti-freeze should be used with Havoline Extended Life Coolant.

The cooling system should be drained, flushed and refilled with the correct amount of anti-freeze solution at the intervals given on the Service Maintenance Check Sheet.

After filling with anti-freeze solution, attach a warning label to a prominent position on the vehicle stating the type of anti-freeze contained in the cooling system to ensure that the correct type is used for topping-up.

Brake/Clutch fluid
Use only DOT 4 brake fluid.

PAS/ACE fluid
Use Texaco cold climate power assisted steering fluid 14315.

Air conditioning
Use only refrigerant R134a.

Refrigerant oil
Use only NipponDenso ND-oil 8 or Unipart ND-oil 8.

Refrigerant oil absorbs water and must not be stored for long periods. Do not pour unused oil back into the container.

NOTE: The total quantity of refrigerant oil in the system is 180 ml.

CAUTION: Do not use any other type of refrigerant oil.

Anti-Freeze Concentration

The overall anti-freeze concentration should not fall, by volume, below 50% to ensure that the anti-corrosion properties of the coolant are maintained. Anti-freeze concentrations greater than 60% are not recommended as cooling efficiency will be impaired.

The following recommended quantities of anti-freeze will provide frost protection to -48°C (-53°F):

Engine - TD5

Concentration	50%
Amount of Anti-freeze	4 litres

Engine - V8

Concentration	50%
Amount of Anti-freeze	6.5 litres 13.5 pts (US)

Lubrication

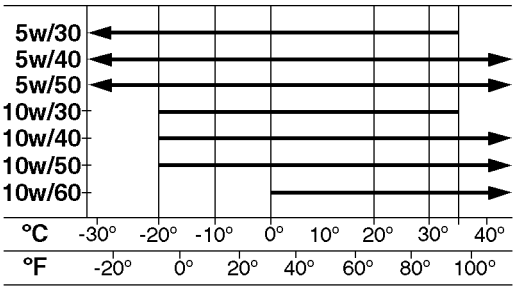
General
The engine and other lubricating systems are filled with high-performance lubricants giving prolonged life.

CAUTION: Always use a high quality oil of the correct viscosity range in the engine. The use of oil of the incorrect specification can lead to high oil and fuel consumption and ultimately to damaged components.

Oil to the correct specification contains additives which disperse the corrosive acids formed by combustion and prevent the formation of sludge which can block the oil ways. Additional oil additives should not be used.

Always adhere to the recommended servicing intervals.

Engine oil viscosity



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The above chart indicates the ambient temperature ranges which each engine oil viscosity is suitable for.

Engine oil - V8 - low compression engine
Use a 10W/40 oil meeting specification ACEA: A2, and having a viscosity band recommended for the temperature range of your locality.

Engine oil - V8 - high compression engine
Use a 5W/30 oil meeting specification ACEA: A1, (API SJ or ILSAC GF2 for USA).

NOTE: ACEA: A2 can be used.

Engine oil - Td5
Use oil meeting specification ACEA: A1, B1 or B2.

Gearbox oil
Use of gearbox oils other than those specified may result in serious damage to the gearbox,

Manual Gearbox
Use Texaco MTF 94 oil for refill and topping-up. If MTF 94 is not available, ATF Dexron IID or ATF Dexron III may be used.

Automatic Gearbox
Use ATF Dexron IID or Dexron III oil for refill or topping-up.

Transfer box
Use Texaco Multi-Gear 75W/90R.

Front and rear axles
Use Texaco Multi-Gear 75W/90R.

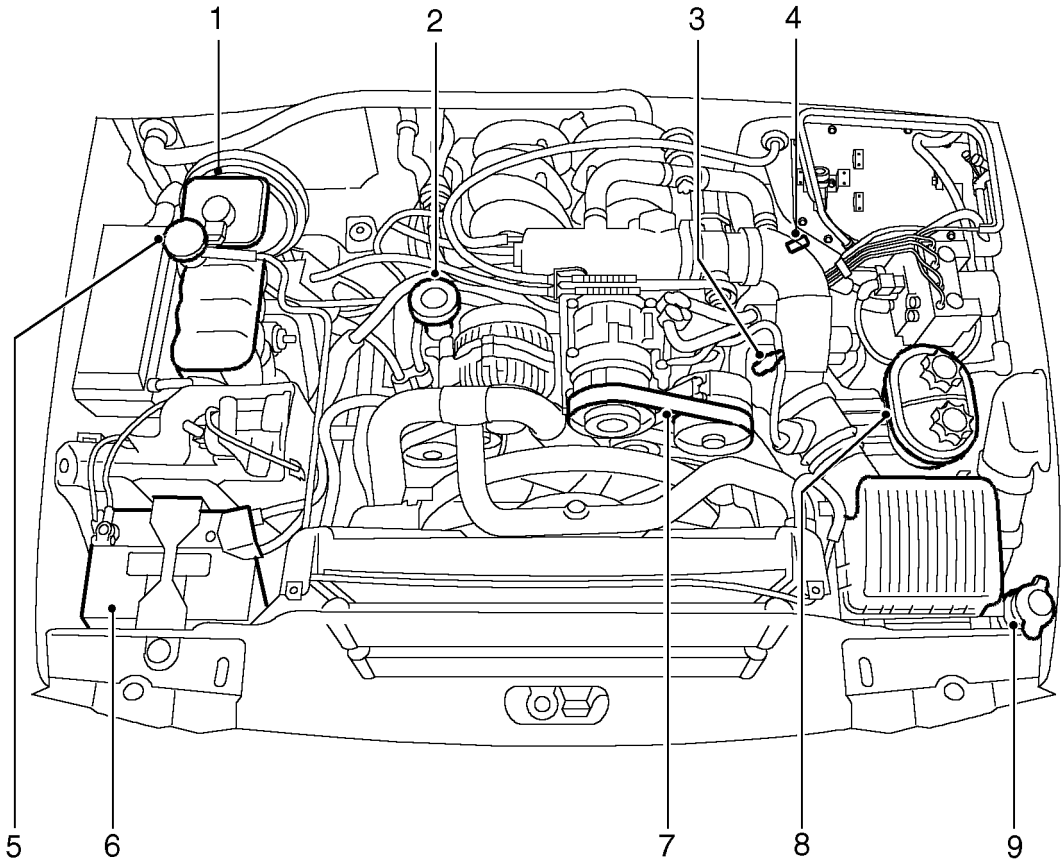
Air Conditioning
Use lubricating oil Nippon Denso ND-8.

General Greasing
Use Multipurpose Lithium Base Grease N.L.G.I. consistency No. 2.

Bonnet latch
Lubricate cable and latch with oil.

Locks, Latches and Hinges
Use Door Lock and Latch Lubricant, Part No. VWN 10075.

V8 engine underbonnet view



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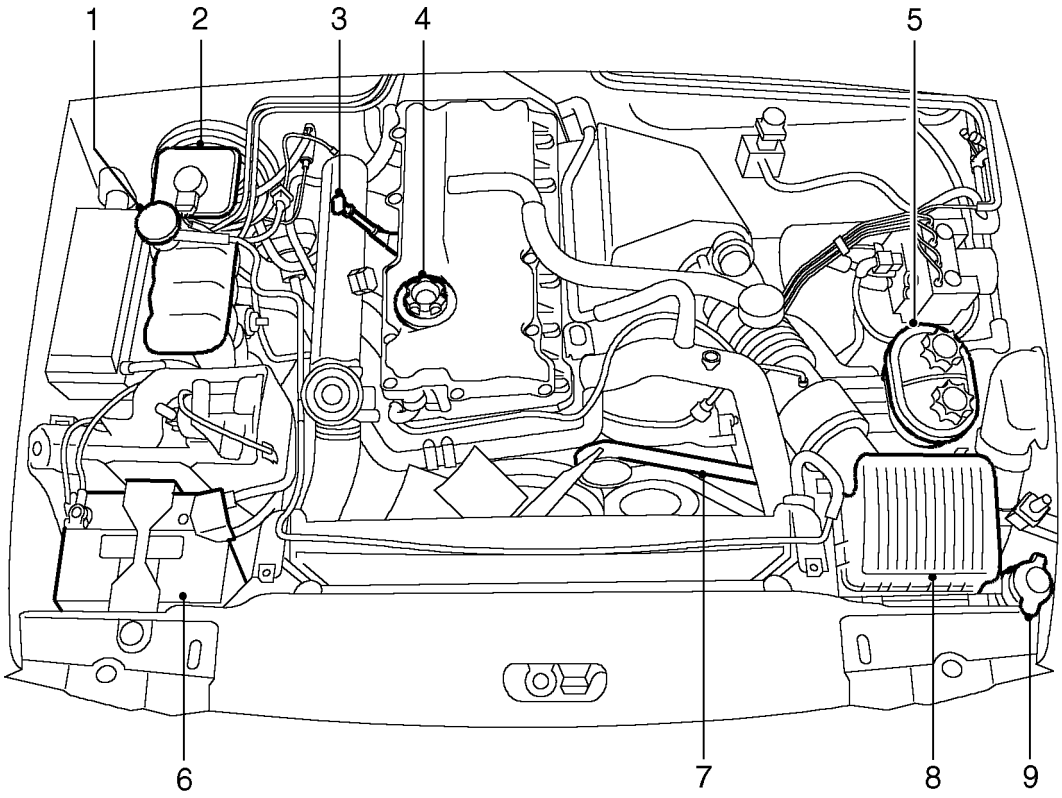
1 Brake/clutch fluid reservoir filler caps
2 Engine oil filler cap
3 Spark plug
4 Engine oil dipstick
5 Coolant header tank
6 Battery
7 Auxiliary drive belt
8 ACE/PAS fluid reservoirs
9 Windscreen washer reservoir

Diesel underbonnet view



M10 0618

1 Coolant header tank
2 Brake/clutch fluid reservoir filler caps
3 Engine oil dipstick
4 Engine oil filler cap
5 ACE/PAS fluid reservoirs
6 Battery
7 Auxiliary drive belt
8 Air cleaner
9 Windscreen washer reservoir