## DIESEL EXHAUST FLUID (DEF)

In order to comply with exhaust emissions requirements, some vehicles with diesel engines are fitted with a reservoir containing Diesel Exhaust Fluid (DEF). In some markets, DEF is known as AdBlue, AUS 32 and ARLA 32.

***Note:*** *It is a legal requirement that the DEF system is used correctly, as detailed in this handbook. It may be a criminal offence to run the vehicle when it is not consuming the correct specification of DEF.*

DEF consumption can vary greatly dependent on driving style and conditions, but the average rate of consumption is approximately 1 litre for every 1 600 kilometres.

The distance until the next DEF refill, can be viewed in the Message centre via the Instrument panel menus. See **56, INSTRUMENT PANEL MENU**.

***Note:*** *When the DEF level becomes low, an appropriate message will be displayed in the Message centre. It is recommended to contact a Retailer/Authorised Repairer to arrange a DEF refill, at the earliest opportunity.*

The Message centre will display a distance countdown, when the DEF level becomes too low. The DEF should be topped up before the distance range falls to zero. Failure to do so, will result in the vehicle failing to start.

DEF can be added to the reservoir by using the top up procedure; however, a full system refill is still recommended at the earliest opportunity.

Two standard sized non-drip refill bottles, each containing 1.89 litres of fluid, is the minimum amount required to restart the engine. Refill bottles are available from a Retailer/Authorised Repairer.

When refilling, make sure that the correct specification of DEF is used. See **313, LUBRICANTS AND FLUIDS**. Use of incorrect fluid could result in serious damage to the vehicle. Do not start the engine. Contact a Retailer/Authorised Repairer immediately.

Do not use DEF dispensing nozzles as used for commercial vehicles. The system is not designed to be filled under the pressure and flow-rate that such pumps dispense at, therefore, damage could occur.

DEF can smell unpleasant and stain clothing or upholstery. Take care not to spill the fluid when performing a top up procedure. In the event of spillage, rinse immediately with clean water.

**Read the label for safety precautions, when using DEF.**

**DEF must be kept out of the reach of children.**

DEF must be stored in the original container, in a cool, dry and well-ventilated area. Observe the manufacturer's storage and handling recommendations.

To perform a DEF top up procedure:

Locate the DEF reservoir. See **259, FLUID FILLER LOCATIONS**. Remove the reservoir filler cap by turning counter-clockwise.