

## HOW DO I TOP UP THE DEF RESERVOIR?

Top up the DEF reservoir:

Find the location of the DEF reservoir. This is shown in the Fluid Filler Locations section of your Owner's Handbook.

Remove the DEF reservoir cap, by turning it counter-clockwise.



Place the refill bottle over the DEF reservoir filler aperture. Turn the bottle clockwise, until it locks into position.

Press the base of the bottle, until all of the fluid has drained into the DEF reservoir.

Turn the bottle counter-clockwise, and remove.

Repeat the procedure with the second bottle.

Replace the DEF reservoir cap, turning it clockwise until a click is heard.

For more information, refer to the Fuel and Refuelling section of your Owner's Handbook.

## WHAT HAPPENS NOW?

You will now be able to start your engine, and the message in the message centre should extinguish. It's important to remember; however, that you've only topped the DEF reservoir up. You will need to book your vehicle into an approved Land Rover retailer for a full system refill.

## IMPORTANT POINTS

- Make sure the DEF meets ISO 22241-1 or DIN 70070.
  - Store DEF in its original containers in a cool, dry, well-ventilated area. Always observe the manufacturer's storage and handling recommendations.
  - DEF is not a fuel additive. If you pour DEF into your fuel tank by mistake, DO NOT start the engine, and call an approved Land Rover retailer immediately.
  - Do not pour any other liquids into the DEF reservoir.
- It is a legal requirement to operate the DEF system as detailed in your Owner's Handbook. It may be a criminal offence to run the vehicle when it is not consuming the correct specification of DEF.
- Do not pour contaminated DEF into the DEF reservoir.
  - If DEF comes into contact with any of your vehicle's paintwork or trim, simply wipe it off, and rinse the area with soapy water.



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## DIESEL TECHNOLOGY

OUR ENVIRONMENTAL  
RESPONSIBILITY



ABOVE & BEYOND



## REDUCING OUR ENVIRONMENTAL IMPACT

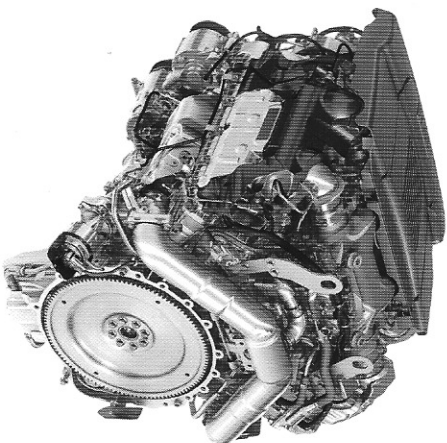
At Jaguar Land Rover, we are continually striving to reduce emissions, both from our manufacturing facilities, and from our vehicle range. Since 2007, Jaguar Land Rover CO<sub>2</sub> operating emissions have dropped by 21%, per vehicle produced.

Life Cycle Assessment (LCA) is used during the design process of all new Land Rover vehicles, to identify ways to reduce environmental impact, while increasing vehicle performance.

## SELECTIVE CATALYST REDUCTION TECHNOLOGY

Ever more stringent emissions regulations also play an important part in helping reduce the environmental impact of motor vehicles. Selective Catalyst Reduction (SCR) technology allows vehicles to meet the latest EU6 emissions standards, by reducing the levels of nitrogen oxide (NOx) emitted from the exhaust system by up to 90%. It does this by turning NOx emissions into harmless water vapour and Nitrogen.

In addition to a new generation of catalytic converters, SCR technology also requires the introduction of an additive into the diesel exhaust system. This additive is known as Diesel Exhaust Fluid (DEF), or AdBlue®.



## WHAT IS DEF?

DEF, or AdBlue®, is a non-toxic liquid containing urea and demineralised water. It is drawn into the exhaust system of your vehicle from a reservoir.



## WHY DO I NEED DEF?

Diesel vehicles fitted with SCR technology require DEF to meet the latest EU6 emissions standards. If your vehicle runs out of DEF, European legislation dictates that the engine should not start.

## HOW OFTEN WILL I NEED TO ADD DEF?

It's difficult to say how often you will need to add DEF to the reservoir, as there are a lot of factors involved. Driving style, vehicle load, and engine size are just a few of the influences on the amount of DEF you will use. The average rate of consumption is approximately 1 litre of DEF for every 1,000 miles (1,600 km) travelled.

## HOW WILL I KNOW WHEN I NEED TO ADD DEF?

A series of messages will be displayed in the message centre, to give advance warning of a low DEF level. It's important not to ignore these messages. Make sure you book your vehicle into an approved Land Rover retailer in plenty of time to allow them to refill the DEF reservoir.

## WHAT IF I CAN'T GET TO AN APPROVED LAND ROVER RETAILER?

If you can't get to an approved Land Rover retailer before running out of DEF, you can top up the reservoir yourself. To do this, you will need two standard sized non-drip refill bottles. Each bottle contains 1.89 litres (0.42 gallons) of DEF.

Before adding any fluid, make sure the bottles display the specifications ISO 22241-1, or DIN 70070.



## WHERE CAN I PURCHASE BOTTLES OF DEF?

Bottles of DEF are readily available, but can also be purchased from your approved Land Rover retailer. Before purchasing, make sure the bottles are non-drip and display the correct specifications.