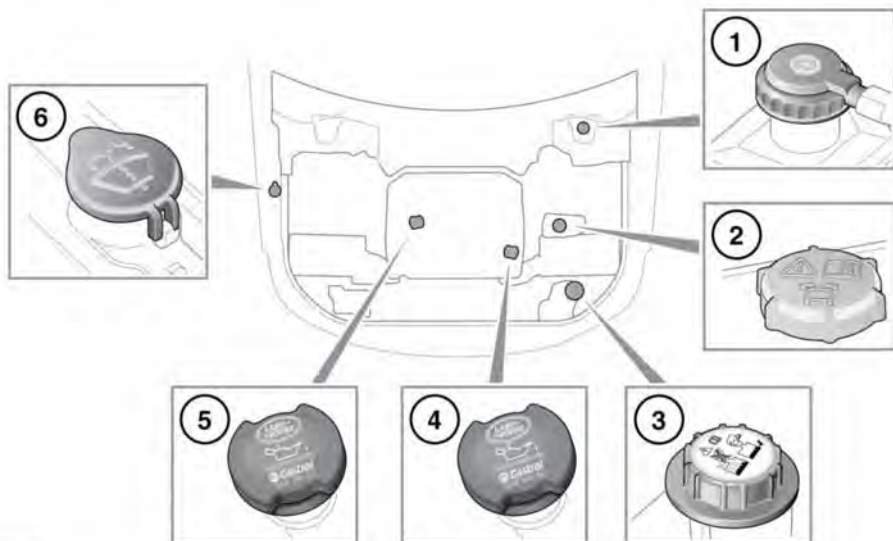
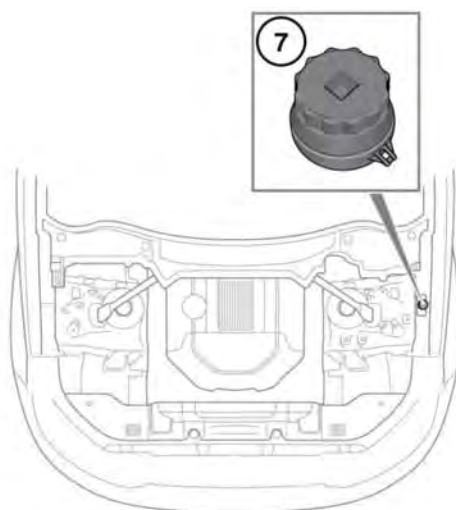


FLUID FILLER LOCATIONS



E175192



E175193

2. Dynamic response fluid reservoir cap (beneath cover).
3. Engine coolant filler cap.
4. Engine oil filler cap (gasoline).
5. Engine oil filler cap (diesel).
6. Windshield washer fluid filler cap.
7. Diesel Exhaust Fluid (DEF) reservoir filler cap. See **241, DIESEL EXHAUST FLUID (DEF)**.

⚠ WARNING

While working in the engine compartment, always observe the safety precautions. See **250, SAFETY IN THE GARAGE**.

1. Brake fluid reservoir cap.

⚠ WARNING

Do not drive if there is a possibility that leaked fluid will come into contact with a hot surface, such as the exhaust.

CHECKING THE ENGINE OIL LEVEL

NOTICE

Check the engine oil weekly. If any significant or sudden drop in oil level is noted, seek qualified assistance.

NOTICE

If the message **ENGINE OIL PRESSURE LOW** is displayed, stop the engine as soon as it is safe to do so and seek qualified assistance. Do not start the engine until the cause has been rectified.

Before checking the oil level, make sure that:

- The vehicle is on level ground.
- The engine oil has reached operating temperature (oil is hot).
- The engine has been switched off for 10 minutes. The system will not give an accurate reading until the oil level has stabilized.

The oil level can then be checked as follows:

1. Switch on the ignition (do not start the engine). See **118, SWITCHING ON THE IGNITION**.
2. Make sure Park (P) is selected.
3. Select **Service Menu** or **Vehicle Information** via the Instrument panel menu (see **56, INSTRUMENT PANEL MENU**).

4. Select **Oil Level**. The current oil level status and topping up advice is displayed in the Instrument panel.

5. Top up, as instructed.

An indication of the oil level is displayed in the gauge. Messages to the right of the gauge tell you about any action you may need to take.



E139193

If the oil level is within the required operating range, the message **Engine Oil Level OK** will be displayed. Do not add any extra oil to the engine.

If the oil level is below the required operating range, a message advising you of how much oil to add will be displayed (e.g., **Add 1 Pint**). Add the recommended quantity of oil.

If the message **Engine Oil Level Overfilled** is displayed, seek qualified assistance immediately. Do not drive the vehicle, as this will cause serious damage to the engine.

If the message **Engine Oil Level Underfilled** is displayed, add 3.2 U.S. pints (1.5 liters) of oil, and then recheck the level.

If the message **Engine Oil Level Not Available** is displayed, the oil level is stabilizing. Switch off the ignition, wait 10 minutes, then recheck the oil level display.

If the warning message **ENGINE OIL LEVEL MONITOR SYSTEM FAULT** is displayed, seek qualified assistance.

TOPPING UP THE OIL

NOTICE

Your vehicle's warranty may be invalidated, if damage is caused by using oil that does not meet the required specification.

NOTICE

Failure to use an oil that meets the required specification could cause excessive engine wear, a build up of sludge and deposits, and increase pollution. It could also lead to engine failure.

NOTICE

Overfilling with oil could result in severe engine damage. Oil should be added in small quantities and the level rechecked, to make sure that the engine is not overfilled.

1. Remove the oil filler cap.
2. Add oil, as instructed by the display.
3. Clean up any oil spilled during topping up.
4. Check the oil level again after 10 minutes.

It is essential to use the correct specification oil, and to make sure it is suitable for the climatic conditions in which the vehicle is to be operated. See **315, LUBRICANTS AND FLUIDS**.

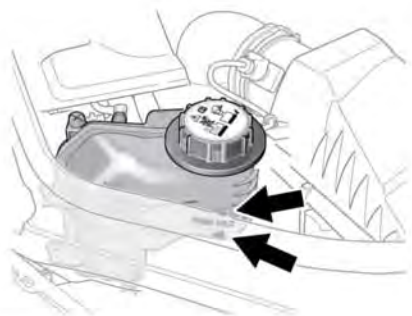
Note: The approximate quantity of oil required to raise the level from **MIN** to **MAX** is 1.6 U.S. quarts (1.5 liters).

CHECKING THE COOLANT LEVEL

NOTICE

Running the engine without coolant will cause serious engine damage.

The coolant level in the expansion tank should be checked at least weekly (more frequently in high mileage or arduous operating conditions). Always check the level when the system is cold.



E151133

Make sure the coolant level remains between the **MIN** and **MAX** indicator marks, located on the side of the expansion tank.

If coolant/steam is expelled from the pressure cap or the level has dropped suddenly, or by a large amount, arrange for the vehicle to be examined by a Retailer/Authorized Repairer as soon as possible.

TOPPING UP THE COOLANT

WARNING

Never remove the filler cap when the engine is hot - escaping steam or scalding water could cause serious personal injury. Unscrew the filler cap slowly, allowing the pressure to escape before removing completely.

WARNING

Avoid spilling antifreeze onto a hot engine - a fire may result.

WARNING

Antifreeze is poisonous and can be fatal if swallowed - keep containers sealed and out of the reach of children. If accidental consumption is suspected, seek medical attention immediately.

WARNING

If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

NOTICE

When traveling in areas where the water supply contains salt, always make sure you carry a supply of fresh (rain or distilled) water. Topping up with salt water will cause serious engine damage.

NOTICE

The use of non-approved antifreeze will have an adverse effect on the engine's cooling system and; therefore, engine durability.

NOTICE

Antifreeze will damage painted surfaces; soak up any spillage with an absorbent cloth immediately, and wash the area with a mixture of car shampoo and water.

Top up to the **MAX** mark, located on the side of the expansion tank. Use only a 50% mix of water and the approved antifreeze. See **315, LUBRICANTS AND FLUIDS**.

The specific gravity of a 50% antifreeze solution at 68°F (20°C) is 1.068 and protects against frost down to -40°F (-40°C).

Antifreeze contains important corrosion inhibitors. The antifreeze content of the coolant must be maintained at 50% ± 5% all year round (not just in cold conditions). To make sure that the anti-corrosion properties of the coolant are maintained, the antifreeze content should be checked once a year and completely replaced every ten years, regardless of distance traveled. Failure to do so may cause corrosion of the radiator and engine components.

Note: In an emergency - and only if the approved antifreeze is unavailable - top up the cooling system with clean water, but be aware of the resultant reduction in frost protection. Do not top up or refill with conventional antifreeze formulations. If in doubt, consult a qualified technician.

Make sure the cap is tightened fully after top up is completed, by turning the cap until the ratchet cap clicks.

CHECKING THE BRAKE FLUID LEVEL

⚠ WARNING

Brake fluid is highly toxic - keep containers sealed and out of the reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

⚠ WARNING

If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

⚠ WARNING

Take care not to spill brake fluid onto a hot engine - a fire may result.

⚠ WARNING

Do not drive the vehicle with the fluid level below the MIN mark.

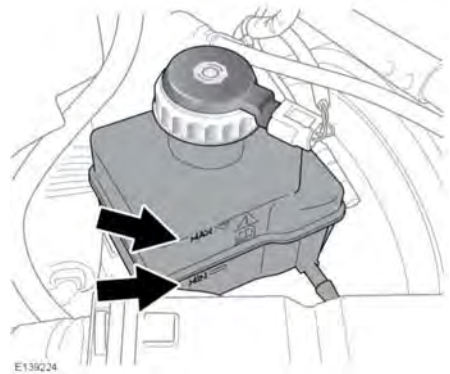
⚠ WARNING

Seek qualified assistance immediately if brake pedal travel is unusually long, or if there is any significant loss of brake fluid. Driving under such conditions could result in extended stopping distances or complete brake failure.

If the quantity of fluid in the brake reservoir drops below the recommended level, a red warning lamp in the Instrument panel will illuminate. See **60, BRAKE (RED)**.

Note: If the warning lamp illuminates while the vehicle is being driven, stop the vehicle, as soon as safety permits, by gently applying the brakes. Check and top up the fluid level, if necessary.

With the vehicle on level ground, check the fluid level at least every week (more frequently in high mileage or arduous operating conditions).



The driver's side cover must be removed to check the brake fluid level. See **252, UNDER HOOD COVERS - REMOVAL**.

Look at the fluid level through the side of the transparent reservoir without removing the cap. The brake fluid must be between the **MAX** and **MIN** marks.

TOPPING UP THE BRAKE FLUID

NOTICE

Brake fluid will damage painted surfaces. Soak up any spillage with an absorbent cloth immediately, and wash the area with a mixture of car shampoo and water.

NOTICE

Only use new fluid from an airtight container. Fluid from opened containers, or fluid previously bled from the system will have absorbed moisture, which will adversely affect performance, and must not be used.

1. Clean the filler cap before removing, to prevent dirt from entering the reservoir.
2. Remove the filler cap.
3. Top up the reservoir to the **MAX** mark using the approved brake fluid. See **315, LUBRICANTS AND FLUIDS**.
4. Replace the cap and reservoir cover.

CHECKING THE WASHER FLUID LEVEL

WARNING

Some windshield washer products are inflammable, particularly if high or undiluted concentrations are exposed to sparking. Do not allow washer fluid to come into contact with exposed flames or sources of ignition, as this can cause a fire or explosion.

WARNING

If the vehicle is operated in temperatures below 40°F (4°C), use a washer fluid with antifreeze protection. In cold weather, failure to use a washer fluid with frost protection, could result in impaired vision and increase the risk of a vehicle crash.

NOTICE

Do not use an antifreeze or vinegar/water solution in the washer reservoir - antifreeze will damage painted surfaces, while vinegar can damage the windshield washer pump.

NOTICE

Body panels may suffer discoloration as a result of windshield washer fluid spillage. Take care to avoid spillage, particularly if an undiluted or high concentration is being used. If spillage occurs, wash the affected area immediately with water.

The washer reservoir supplies the windshield and headlamp washer jets.

Check and top up the reservoir level at least every week. Always top up with windshield washer fluid to prevent freezing.

Operate the washer switches periodically to check that the nozzles are clear and properly directed.

TOPPING UP THE WASHER FLUID

The washer reservoir supplies the windshield, rear glass and headlamp washer jets.

Check and top up the reservoir level at least every week. Always top up with windshield washer fluid to prevent freezing.

Operate the washer switches periodically to check that the nozzles are clear and properly directed.

1. Clean the filler cap before removing, to prevent dirt from entering the reservoir.
2. Remove the filler cap.
3. Top up the reservoir until the fluid is visible in the filler neck.
4. Replace the filler cap.

CHECKING THE DYNAMIC RESPONSE FLUID LEVEL

⚠ WARNING

Dynamic response fluid is highly toxic. Keep containers sealed and out of reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.

⚠ WARNING

If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.

NOTICE

Do not start the engine if the fluid level has dropped below the **MIN** mark. Severe damage to the Dynamic response system could result.

NOTICE

Seek qualified assistance immediately if there is a noticeable drop in the fluid level.

NOTICE

If fluid loss is slow, the reservoir may be topped up to the upper level mark to enable the vehicle to be driven to a repair facility for examination. However, it is recommended that you seek qualified assistance before driving the vehicle.

NOTICE

Do not attempt to drive the vehicle to a repair facility, if there is a danger that leaking fluid will come into contact with a hot surface, such as the exhaust.

Check and top up the fluid level with the engine switched off and the system cold.



E150755

The fluid level should be maintained between the **MIN** and **MAX** marks.

TOPPING UP THE DYNAMIC RESPONSE FLUID

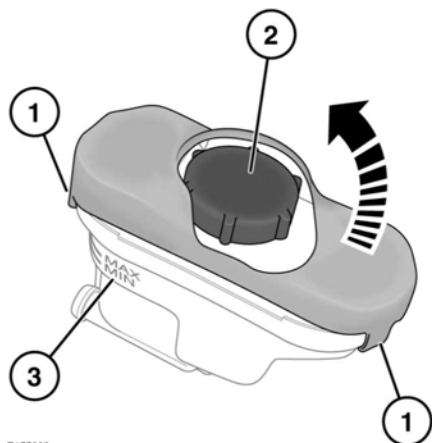
NOTICE

Dynamic response fluid will damage painted surfaces. Soak up any spillage with an absorbent cloth immediately, and wash the area with a mixture of car shampoo and water.

NOTICE

Do not fill the reservoir above the **MAX** mark.

Fluid level checks



1. Release the clips and move the reservoir cover aside.
2. Before removing the filler cap, clean the immediate area to prevent dirt from entering the reservoir.
3. Using the approved fluid, top up the reservoir until the fluid level is between the **MIN** and **MAX** marks. See **315, LUBRICANTS AND FLUIDS**.

When the fluid is at the correct level, replace the filler cap and the reservoir cover.