

## ENGINE OIL CHECK

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

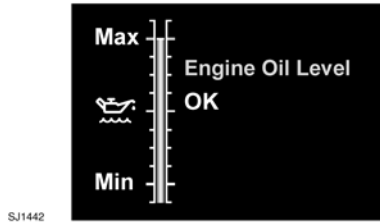
Prior to checking the oil level ensure that:

- The vehicle is on level ground.
- The engine oil has reached working temperature (oil is hot).
- The engine has been switched off for ten minutes, as the system will not give an accurate reading until the oil level has stabilised.

The oil level can then be checked as follows:

1. Switch on the ignition (do not start the engine).
2. Ensure Park (**P**) is selected.
3. Select the **Service menu** using the instrument panel menu joypad control (see item 7 under **20, CONTROLS**).

Select **Oil level display** from the Service menu. The current oil level status and topping-up advice is displayed in the instrument panel, top-up as instructed.



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

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

If the oil level is below the required operating range, a message advising you how much oil to add will be displayed (e.g. **Add 0.5 Litre**). 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 1.5 litres (2.6 pints) of oil, then recheck the level.

If the message **Engine Oil Level Not Available** is displayed, the oil level is stabilising. 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.

# Fluid level checks

## ENGINE OIL SPECIFICATION

- ❗ Low quality or obsolete oils do not provide the protection required by modern, high performance engines.
- ❗ Failure to use an oil that meets the required specification could cause excessive engine wear, a build up of sludge and deposits and increased pollution. It could also lead to engine failure.
- ❗ Your vehicle's warranty may be invalidated if damage is caused by the use of unapproved engine oil.
- ❗ Do not use oil additives of any type as engine damage could occur. Use only specified lubricants.

Model	Specification
Petrol engines	SAE 5W-20 meeting Jaguar specification WSS M2C925-A only.
Diesel engine	5W-30 engine oil, meeting Jaguar specification WSS M2C934-B only.

Jaguar recommends:



## TOPPING UP THE OIL

- ❗ Overfilling with oil could result in severe engine damage.
1. Unscrew the oil filler cap.
  2. Add oil as indicated by the message centre display.

3. Wait five minutes for the oil level to stabilise then re-check.

It is essential to use the correct specification oil, and to ensure it is suitable for the climatic conditions in which the vehicle is to be operated.

## ENGINE OIL CONSUMPTION

A certain amount of oil consumption is normal. The rate of consumption will depend on the following:

- The quality and viscosity of the oil.
- Climatic conditions.
- The speed at which the engine is being operated.
- Road conditions.

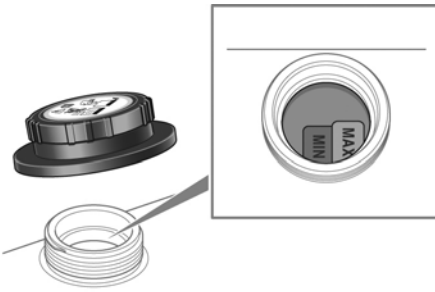
Drivers should expect above normal consumption when the engine is new, and after running-in if high speeds are sustained.

## CHECKING THE COOLANT LEVEL

- ❗ Running the engine without coolant will cause serious engine damage.
- ❗ If persistent coolant loss is noticed, seek qualified assistance immediately.

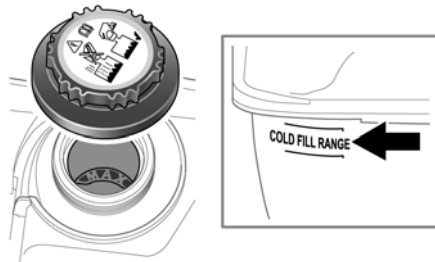
The coolant level in the expansion tank should be checked at least weekly (more frequently in high mileage or severe operating conditions). Always check the level when the system is cold.

Ensure the coolant level is maintained between the level indicator marks, as shown in the illustrations.



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*Diesel engines*




SJ1305

**Petrol engines:**

If the message **LOW COOLANT LEVEL** is displayed in the message centre, stop the vehicle as soon as safety permits and top-up the coolant reservoir with the recommended antifreeze/water mix.

If the message centre displays the message **ENGINE OVERHEATING**, pull off the carriageway and allow the engine to idle for five minutes and then switch off the ignition for ten minutes. Switch on the engine and, provided that the warning does not occur, continue your journey, avoiding harsh acceleration. Seek qualified assistance as soon as possible.

## TOPPING UP THE COOLANT

 **Never remove the filler cap when the engine is hot.**



**Antifreeze is highly flammable. Do not allow antifreeze to come into contact with naked flames or other sources of ignition (e.g. a hot engine) - a fire may result.**



**Unscrew the filler cap slowly, allowing the pressure to escape before removing completely.**



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

Top-up to the upper level indicator mark located on the side of the expansion tank. Use only a 50% mix of water and antifreeze to specification WSS M97B44 (coloured orange) Extended Life Coolant.

**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.*

Ensure the cap is tightened fully after top-up is completed by turning the cap until the ratchet cap clicks.

## BRAKE FLUID CHECK



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

# Fluid level checks



If the quantity of fluid in the brake reservoir drops below the recommended level, a red warning lamp in the instrument panel will illuminate and the message **Brake Fluid Low** will be displayed in the message centre.

**Note:** If the warning lamp illuminates or the message is displayed 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.



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



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



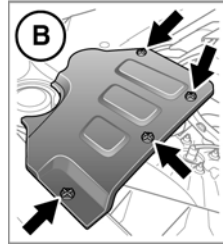
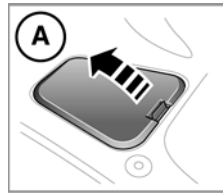
**Brake fluid is highly inflammable. Do not allow brake fluid to come into contact with naked flames or other sources of ignition (e.g. a hot engine).**



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

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

The brake fluid reservoir is located beneath a cover on the raised platform to the rear of the main underbonnet area.





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1. Remove the cover:
  - A. (Left-hand drive) Release the catch and lift the cover forwards, then pull rearwards, to release the hinges.
  - B. (Right hand drive) Undo the four turn-buckles and remove the cover.
2. Clean the filler cap with a clean, dry cloth before removing, to prevent dirt or moisture from entering the reservoir.
3. Remove the filler cap.
4. The brake fluid level should be between the **MIN** and the **MAX** marks on the side of the reservoir.



The fluid level may drop slightly during normal use, as a result of brake pad wear, but should not be allowed to drop below the **MIN** mark.

## TOPPING UP THE BRAKE FLUID

-  Brake fluid will damage painted surface. Soak up any spillage with an absorbent cloth immediately and wash the area with a mixture of car shampoo and water.
  -  Only use new fluid from an airtight container (fluid from open containers or fluid previously bled from the system, will have absorbed moisture, which will adversely affect performance, and must not be used).
1. Top up the reservoir to the **MAX** mark using Shell DOT4 ESL brake fluid. If unavailable, use a low viscosity brake fluid that meets ISO 4925 class 6 specification. Only fluid of this type and standard may be used.
  2. Replace the cap.
  3. Refit the reservoir cover.

## POWER STEERING FLUID CHECK

-  **Power steering fluid is highly toxic. Keep containers sealed and out of reach of children. If accidental consumption of fluid is suspected, seek medical attention immediately.**
-  **If the fluid comes into contact with the skin or eyes, rinse immediately with plenty of water.**
-  **Power steering fluid is highly inflammable. Do not allow power steering fluid to come into contact with naked flames or other sources of ignition (e.g. a hot engine).**
-  The engine must not be started if the fluid level has dropped below the **MIN** mark.



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

Check and top-up the fluid with the vehicle on level ground, with the engine switched off and the system cold. Ensure that the steering wheel is not turned after stopping the engine.

The level of fluid can be seen through the translucent body of the reservoir.

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

## TOPPING UP THE POWER STEERING FLUID

-  It is imperative that the power steering system does not become contaminated in any way. Always use new fluid and clean the area around the filler neck both before removing the filler cap and after topping up. Never return drained fluid to the system.
  -  Power steering 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.
1. Clean the filler cap before removing to prevent dirt from entering the reservoir.
  2. Remove filler cap.
  3. Using Mobil ATF320 PAS fluid, top-up the reservoir until the fluid level is between the **MIN** and **MAX** marks.
  4. Replace filler cap.

# Fluid level checks

## WASHER FLUID CHECK



**Do not allow screen washer fluid to come into contact with naked flames or sources of ignition.**



**If the vehicle is operated in temperatures below 4°C (40°F), use a washer fluid with frost protection.**



Only use approved washer fluid.



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 windscreen and headlamp washer jets.

Check and top-up the reservoir level at least every week.

Fill with Jaguar Windscreen Washer Fluid, diluted with clean water, as specified in the instructions on the bottle. Using a non-approved fluid may adversely affect the wiper blade rubber, resulting in ineffectual and noisy wiping.

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

## TOPPING UP THE WASHER FLUID

1. Clean the filler cap before opening to prevent dirt from entering the reservoir.
2. Open filler cap.
3. Top-up the reservoir until the fluid is visible in the filler neck.
4. Close filler cap.