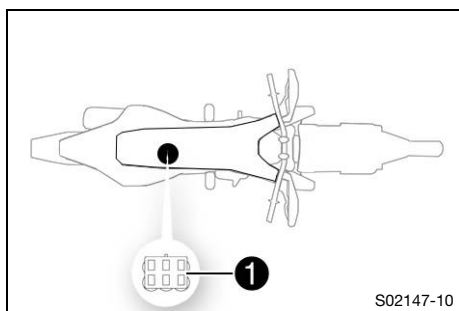
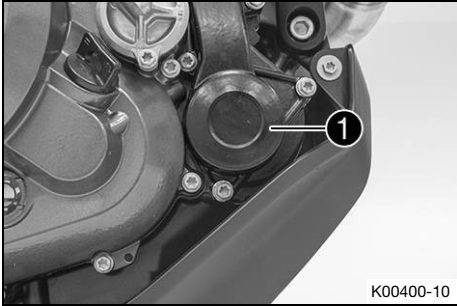


15.15 Diagnostics connector

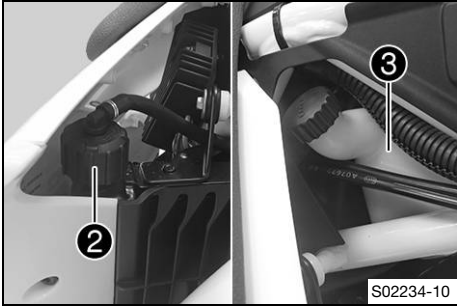
Diagnostics connector **1** is located under the engine control unit.

16.1 Cooling system



Water pump ❶ in the engine ensures forced circulation of the coolant.

The pressure resulting from the warming of the cooling system is regulated by a valve in radiator cap ❷. Heat expansion causes excess coolant to flow into compensating tank ❸. When the temperature falls, this surplus coolant is sucked back into the cooling system. This ensures that operating the vehicle at the specified coolant temperature will not result in a risk of malfunctions.



125 °C (257 °F)

The coolant is cooled by the air stream and a radiator fan, which is activated at high temperature.

The lower the speed, the less the cooling effect. Dirty cooling fins also reduce the cooling effect.

16.2 Checking the antifreeze and coolant level

Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.

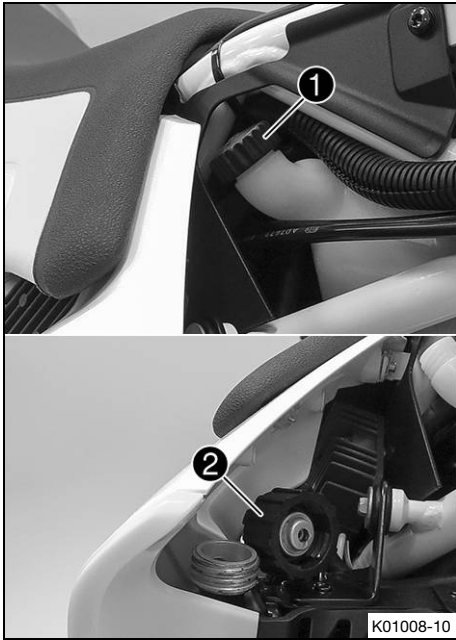
Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

The engine is cold.



- Stand the motorcycle on its side stand on a horizontal surface.
- Remove cover **1** of the compensating tank.
- Remove radiator cap **2**.
- Check the antifreeze in the coolant.

-25 ... -45 °C (-13 ... -49 °F)

- » If the antifreeze in the coolant does not match the specified value:

- Correct the antifreeze in the coolant.

- Check the coolant level in the compensating tank.

The coolant level must be between the two markings.

- » If the coolant level does not match the specified value:

- Correct the coolant level.

Coolant (📖 p. 132)

- Mount cover **1** of the compensating tank.
- Check the coolant level in the radiator.

The radiator must be filled completely.

- » If the coolant level does not match the specified value:

- Check the coolant level and the reason for the loss.

- Mount radiator cap **2**.



16.3 Checking the coolant level



Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

The engine is cold.

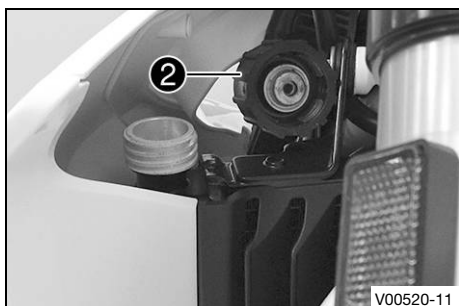


- Stand the motorcycle on its side stand on a horizontal surface.
- Check the coolant level in compensating tank ①.

The coolant level must be between the two markings.

- » If the coolant level does not match the specified value:
 - Correct the coolant level.

Coolant (📖 p. 132)



- Remove radiator cap ② and check the coolant level in the radiator.

The radiator must be filled completely.

- » If the coolant level does not match the specified value:
 - Check the coolant level and the reason for the loss.

Coolant (📖 p. 132)

- Mount the radiator cap.

16.4 Draining the coolant 🛠️



Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

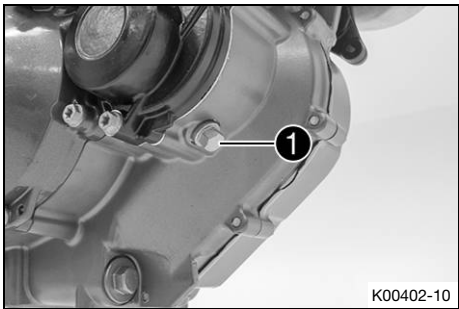
- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

The engine is cold.

Preparatory work

- Remove engine guard. (📖 p. 66)



Main work

- Position the motorcycle upright.
- Position an appropriate container under the engine.
- Remove screw 1.
- Remove the radiator cap.
- Completely drain the coolant.
- Mount and tighten screw 1 with a new seal ring.

Guideline

Screw plug, water pump drain hole	M10x1	15 Nm (11.1 lbf ft)
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Finishing work

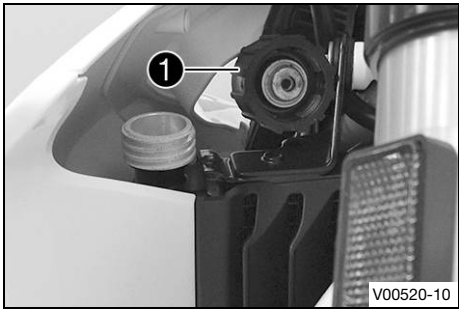
- Install the engine guard. (p. 66)

16.5 Filling/bleeding the cooling system

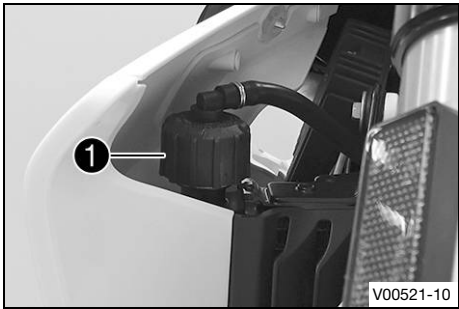
Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.



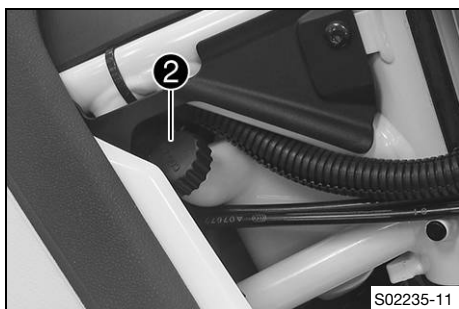
- Stand the motorcycle on its side stand on a horizontal surface.
- Remove radiator cap 1.



- Refill with coolant.

Coolant	1.20 l (1.27 qt.)	Coolant (p. 132)
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- Completely fill the radiator with coolant.
- Mount radiator cap 1.



- Remove cover ② of the compensating tank.
- Add coolant up to a level between the two marks.
- Mount the cover of the compensating tank.



Danger

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and let it warm up.
- Stop the engine and allow it to cool down.
- Check the coolant level. (📖 p. 101)

16.6 Changing the coolant 🛠️



Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

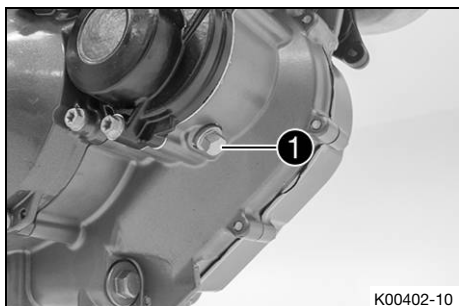
The engine is cold.

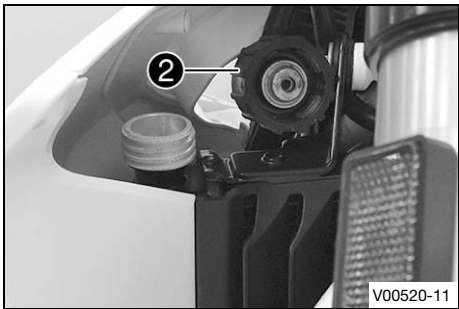
Preparatory work

- Remove engine guard. (📖 p. 66)

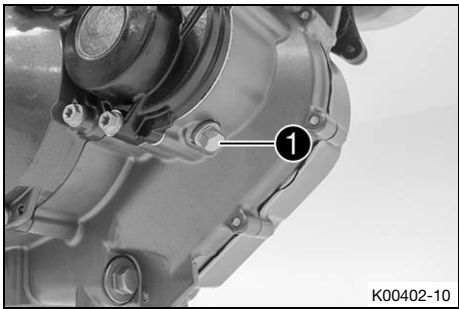
Main work

- Position the motorcycle upright.
- Position an appropriate container under the engine.
- Remove screw ①.





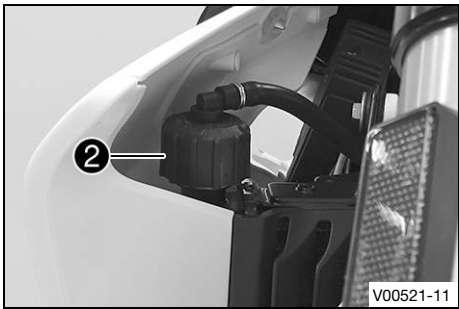
- Remove radiator cap ②.
- Completely drain the coolant.



- Mount and tighten screw ① with a new seal ring.

Guideline

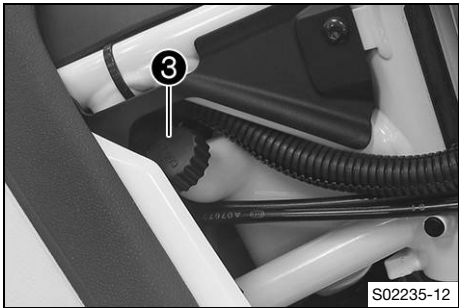
Screw plug, water pump drain hole	M10x1	15 Nm (11.1 lbf ft)
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- Stand the motorcycle on a level surface using the side stand.
- Refill with coolant.

Coolant	1.20 l (1.27 qt.)	Coolant (p. 132)
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- Completely fill the radiator with coolant.
- Mount radiator cap ②.



- Remove compensating tank cover ③.
- Add coolant up to a level between the two marks.
- Mount cover ③ of the compensating tank.



Danger

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and allow it to warm up.
- Stop the engine and allow it to cool down.

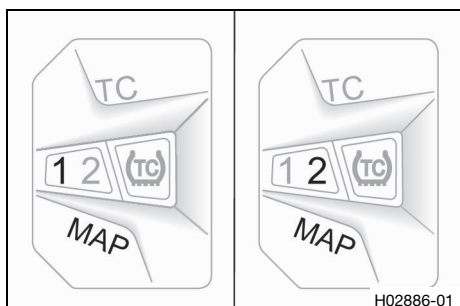
Finishing work

- Check the coolant level. (p. 101)
- Install the engine guard. (p. 66)

17.1 Changing the riding mode

i Info

The desired drive mode can be activated via the **MAP** button on the combination switch.
The setting most recently selected is activated again when restarting.
The drive mode can also be changed during the ride.



Condition

Throttle grip closed.

- Press **MAP** button until the LED displays the desired drive mode. Drive mode **1** is **ROAD** and drive mode **2** is **OFFROAD**.
 - ✓ ROAD – balanced response
 - ✓ OFFROAD – direct response

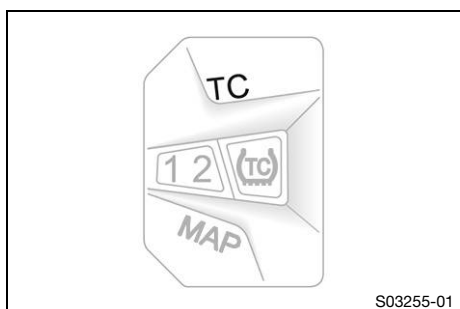
i Info

The drive mode only influences the throttle response. The homologated performance is available in both drive modes.
In drive mode **2**, the traction control allows more slip and rise of the front wheel.

17.2 Adjusting traction control

i Info

Traction control is activated when the ignition is switched on.
The traction control lowers the tightening torque in case of loss of traction in the rear wheel.
When traction control is switched off, the rear wheel may spin during high acceleration and on surfaces with low grip, resulting in a risk of crashing.
Traction control can also be adjusted during the ride.
Traction control cannot be deactivated until a minimum speed has previously been reached and the self test is complete.



Deactivating traction control:

Condition

Throttle grip closed.

Speed before deactivation: ≥ 4 km/h (≥ 2.5 mph)

- Press and hold button **TC** for 5 seconds.
 - ✓ The **TC** LED lights up when the traction control is deactivated.

Activating the traction control:

Condition

Throttle grip closed.

- Press and hold button **TC** for 5 seconds.
 - ✓ The **TC** LED does not light up when the traction control is activated.



Info

If the TC indicator lamp and both drive mode lamps light up at same time, a malfunction has been detected in the traction control. Contact an authorized Husqvarna Motorcycles workshop.

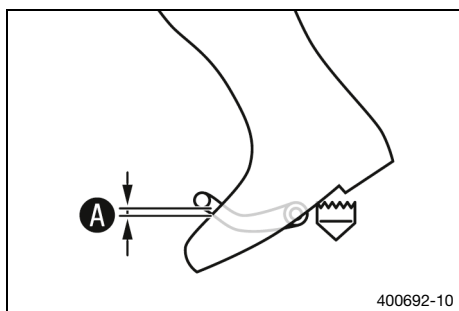


17.3 Checking the basic position of the shift lever



Info

When driving, the shift lever must not touch the rider's boot when in the basic position. When the shift lever keeps touching the boot, the transmission will be subject to an excessive load.



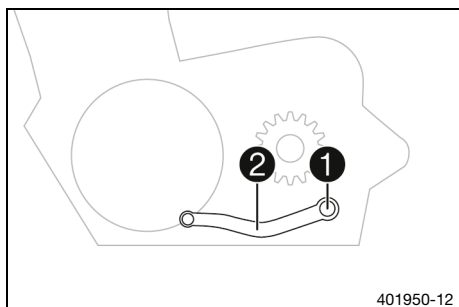
- Sit on the vehicle in the riding position and determine distance **A** between the upper edge of your boot and the shift lever.

Distance between shift lever and upper edge of boot	10 ... 20 mm (0.39 ... 0.79 in)
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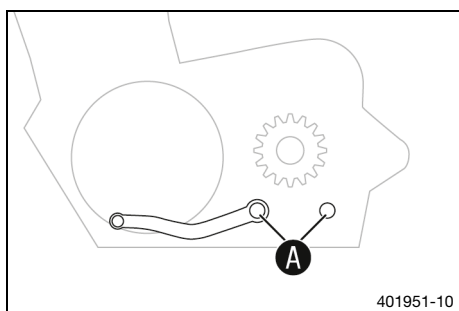
- » If the distance does not meet specifications:
 - Adjust the basic position of the shift lever. (p. 107)



17.4 Adjusting the basic position of the shift lever



- Remove screw **1** with the washers and take off shift lever **2**.



- Clean gear teeth **A** of the shift lever and shift shaft.
- Mount shift lever **2** on the shift shaft in the required position and engage the gearing.



Info

The range of adjustment is limited. The shift lever must not come into contact with any other vehicle components during the shift procedure.

- Mount and tighten screw **1** with washers.

Guideline

Screw, shift lever	M6	14 Nm (10.3 lbf ft) Loctite®243™
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18.1 Changing the fuel screen



Danger

Fire hazard Fuel is highly flammable.

The fuel in the fuel tank expands when warm and can escape if overfilled.

- Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.



Warning

Danger of poisoning Fuel is harmful to health.

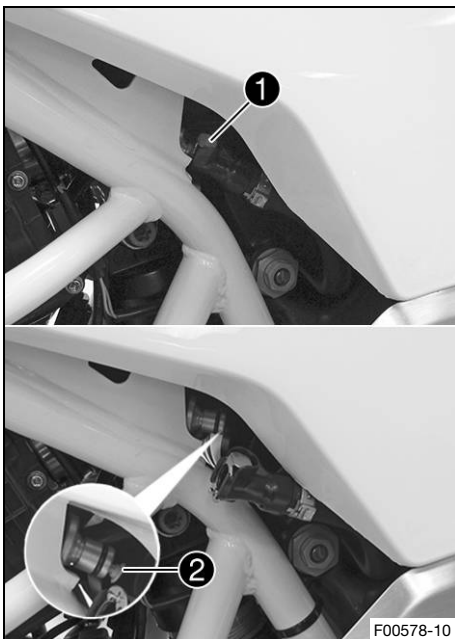
- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing if fuel spills on them.



Note

Environmental hazard Improper handling of fuel is a danger to the environment.

- Do not allow fuel to enter the groundwater, the soil, or the sewage system.



- Clean quick release coupling **1** thoroughly with compressed air.



Info

Under no circumstances should dirt enter into the fuel line. Dirt in the fuel line clogs the injection valve!

- Disconnect quick release coupling **1**.
- Pull fuel screen **2** out of the connecting piece.
- Insert the new fuel screen all the way into the connecting piece.
- Spray silicone spray onto a lint-free cleaning cloth and lightly lubricate the O-ring of the quick-release coupling.

Silicone spray (📖 p. 134)

- Join the quick release coupling.



Danger

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and check the response.