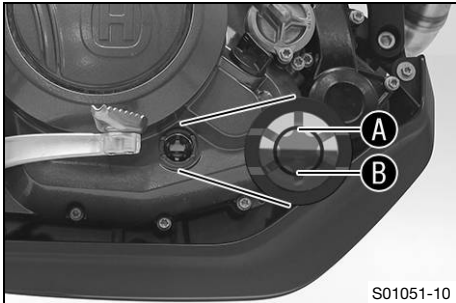


18.2 Checking the engine oil level



Condition

The engine is at operating temperature.

Preparatory work

- Stand the motorcycle upright on a horizontal surface.

Main work

- Check the engine oil level.



Info

After switching off the engine, wait one minute before checking the level.

The engine oil must be between marking **A** and marking **B** of the oil level viewer.

- » If the engine oil level is below the **B** mark:
 - Add engine oil. (📖 p. 112)
- » If the engine oil level is above the **A** mark:
 - Correct the engine oil level.



18.3 Changing the engine oil and oil filter, cleaning the oil screens



Warning

Danger of scalding Engine and gear oil get hot when the motorcycle is operated.

- Wear suitable protective clothing and safety gloves.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Note

Environmental hazard Hazardous substances cause environmental damage.

- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.



Info

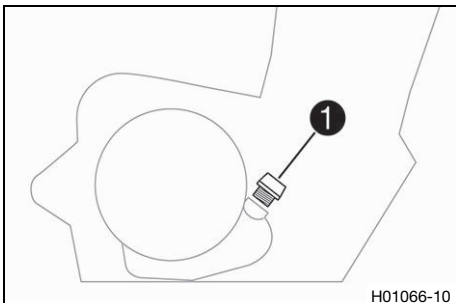
Drain the engine oil while the engine is at operating temperature.

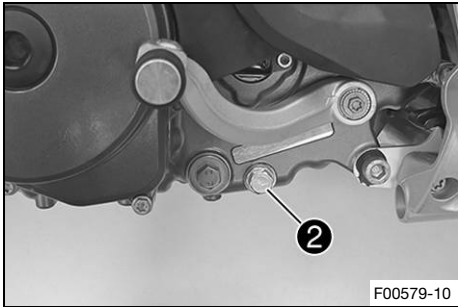
Preparatory work

- Remove engine guard. (📖 p. 66)

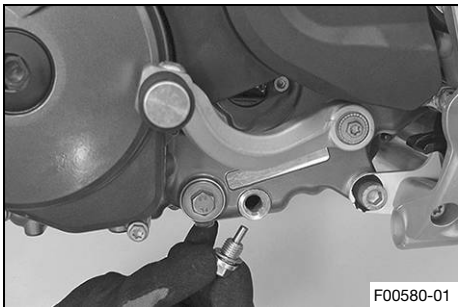
Main work

- Position an appropriate container under the engine.
- Remove filler plug **1** with the O-ring.





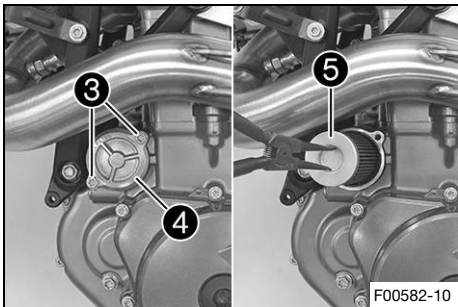
- Remove oil drain plug 2 with the magnet and seal ring.
- Allow the engine oil to drain completely.



- Thoroughly clean the oil drain plug with magnet.
- Mount and tighten the oil drain plug with the magnet and new seal ring.

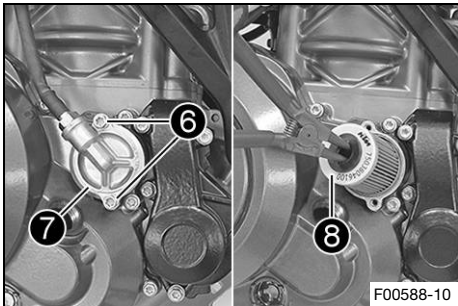
Guideline

Oil drain plug with magnet	M12x1.5	20 Nm (14.8 lbf ft)
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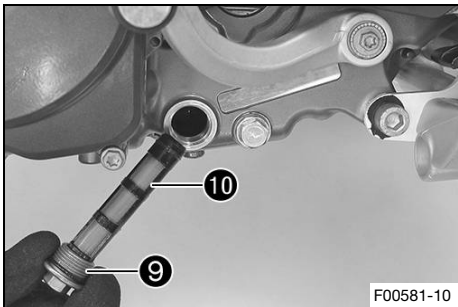
- Remove screws 3. Remove oil filter cover 4 with the O-ring.
- Pull oil filter 5 out of the oil filter housing.

Lock ring plier (51012011000)

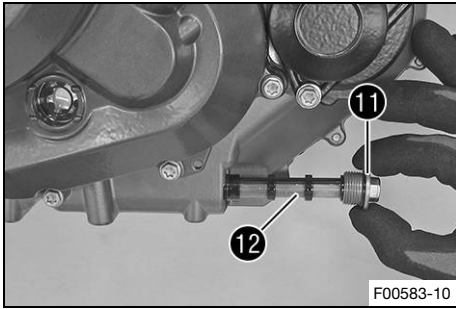


- Remove screws 6. Remove oil filter cover 7 with the O-ring.
- Pull oil filter 8 out of the oil filter housing.

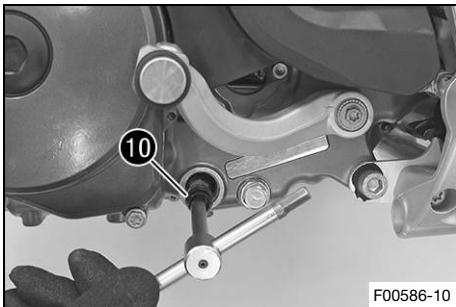
Lock ring plier (51012011000)



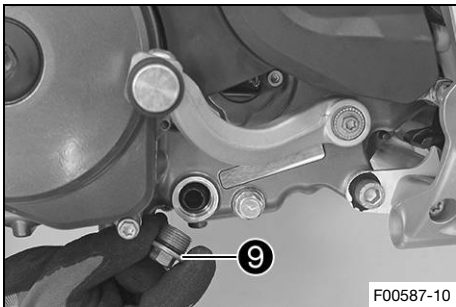
- Remove screw plug 9 with oil screen 10 and the O-rings.



- Remove screw plug 11 with oil screen 12 and the O-rings.
- Allow the engine oil to drain completely.
- Thoroughly clean the parts and the sealing surfaces.



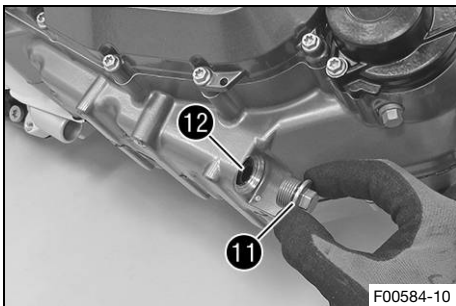
- Position oil screen 10 with the O-rings on a pin wrench.
- Position the pin wrench through the drill hole of the screw plug in the opposite section of the engine case.
- Push the oil screen all the way into the engine case.



- Mount and tighten screw plug 9 with the O-ring.

Guideline

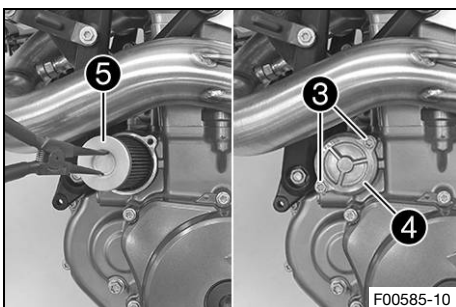
Plug, oil screen	M20x1.5	15 Nm (11.1 lbf ft)
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- Position oil screen 12 with the O-rings.
- Mount and tighten screw plug 11 with the O-ring.

Guideline

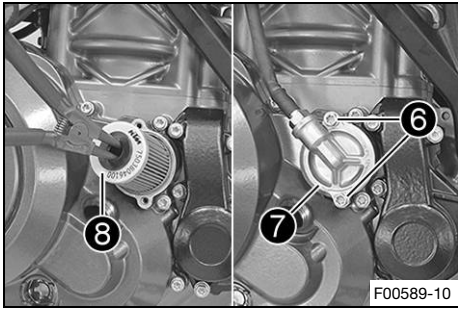
Plug, oil screen	M20x1.5	15 Nm (11.1 lbf ft)
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- Insert new oil filter 5.
- Lubricate the O-ring of the oil filter cover. Position oil filter cover 4.
- Mount and tighten screws 3.

Guideline

Screw, oil filter cover	M5	6 Nm (4.4 lbf ft)
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- Insert new oil filter 8.
- Lubricate the O-ring of the oil filter cover. Position oil filter cover 7.
- Mount and tighten screws 6.

Guideline

Screw, oil filter cover	M5	6 Nm (4.4 lbf ft)
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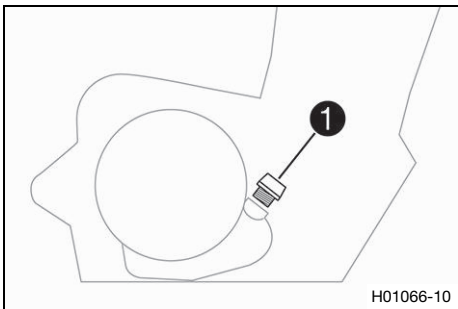
- Fill up with engine oil at the clutch cover.

Engine oil	1.70 l (1.8 qt.)	Engine oil (SAE 10W/50) (p. 132)
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Info

Too little engine oil or poor-quality engine oil will result in premature wear of the engine.



- Mount and tighten filler plug 1 together with the O-ring.



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 it for leaks.

Finishing work

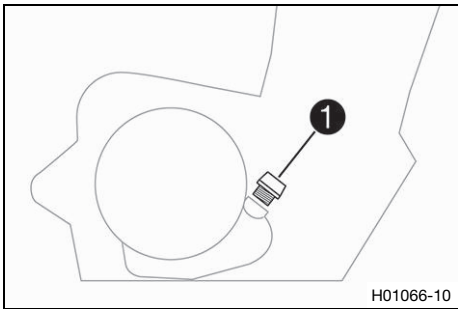
- Install the engine guard. (p. 66)
- Check the engine oil level. (p. 109)

18.4 Adding engine oil



Info

Too little engine oil or poor-quality engine oil will result in premature wear of the engine.



Main work

- Remove filler plug 1 with the O-ring, and fill up with engine oil.
- Fill engine oil to the middle of the level viewer.

Engine oil (SAE 10W/50) (p. 132)



Info

For optimal performance of the engine oil, do not mix different types of engine oil.
Husqvarna Motorcycles recommends changing the engine oil.

- Mount and tighten filler plug 1 together with the O-ring.

**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 for leaks.

Finishing work

- Check the engine oil level. (📖 p. 109)



19.1 Cleaning the motorcycle

Note

Material damage Components become damaged or destroyed if a pressure cleaner is used incorrectly.

The high pressure forces water into the electrical components, connectors, throttle cables, and bearings, etc. Pressure which is too high causes malfunctions and destroys components.

- Do not direct the water jet directly on to electrical components, connectors, throttle cables or bearings.
- Maintain a minimum distance between the nozzle of the pressure cleaner and the component.

Minimum clearance

60 cm (23.6 in)



Note

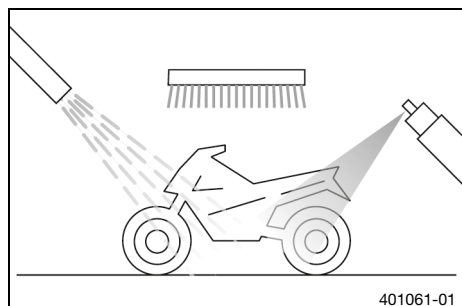
Environmental hazard Hazardous substances cause environmental damage.

- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.



Info

To maintain the value and appearance of the motorcycle over a long period, clean it regularly. Avoid direct sunshine when cleaning the motorcycle.



- Close off exhaust system to keep water from entering.
- Remove loose dirt first with a soft jet of water.
- Spray the heavily soiled parts with a normal commercial motorcycle cleaner and clean using a brush.

Motorcycle cleaner (📖 p. 134)



Info

Use warm water containing normal motorcycle cleaner and a soft sponge.

Never apply motorcycle cleaner to a dry vehicle; always rinse the vehicle with water first.

If the vehicle was operated in road salt, clean it with cold water. Warm water would enhance the corrosive effects of salt.

- After rinsing the motorcycle with a gentle spray of water, allow it to dry thoroughly.
- Remove the closure of the exhaust system.



Warning

Danger of accidents Moisture and dirt impair the brake system.

- Brake carefully several times to dry out and remove dirt from the brake linings and the brake discs.

- After cleaning, ride the vehicle a short distance until the engine warms up.



Info

The heat produced causes water at inaccessible locations in the engine and on the brake system to evaporate.

- Push back the protection caps of the handlebar controls to allow any water that has penetrated to evaporate.
- After the motorcycle has cooled down, lubricate all moving parts and pivot points.
- Clean the chain. (📖 p. 59)
- Treat bare metal (except for brake discs and the exhaust system) with a corrosion inhibitor.

Preserving materials for paints, metal and rubber (📖 p. 134)

- Treat all painted parts with a mild paint care product.

Shine spray for paint, plastic and chromium (📖 p. 134)



Info

Do not polish parts that were matte when delivered as this would strongly impair the material quality.

- Treat all plastic parts and powder-coated parts with a mild cleaning and care product.

Special cleaner for glossy and matte paint finishes, metal and plastic surfaces (📖 p. 134)

- Lubricate the ignition/steering lock.

Universal oil spray (📖 p. 135)



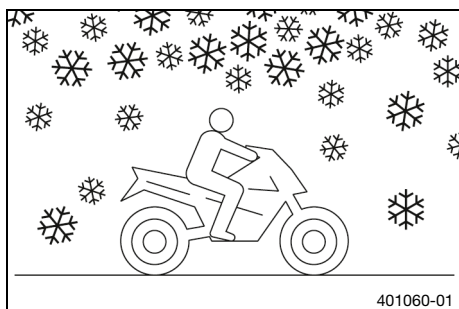
19.2 Checks and maintenance steps for winter operation



Info

If you use the motorcycle in winter, salt can be expected on the roads. You should therefore take precautions against aggressive road salt.

After riding on salted roads, thoroughly clean the vehicle with cold water and dry it well. Warm water enhances the corrosive effects of salt.



- Clean the motorcycle. (📖 p. 114)
- Clean the brake system.



Info

After **EVERY** trip on salted roads, thoroughly clean the brake calipers and brake linings, after they have cooled down and without removing them, with cold water and dry them carefully.


After riding on salted roads, thoroughly clean the motorcycle with cold water and dry it well.

- Treat the engine, the swingarm, and all other bare or zinc-plated parts (except the brake discs) with a wax-based corrosion inhibitor.



Info

Corrosion inhibitor must not come in contact with the brake discs as this would greatly reduce the braking force.

- Clean the chain. ( p. 59)

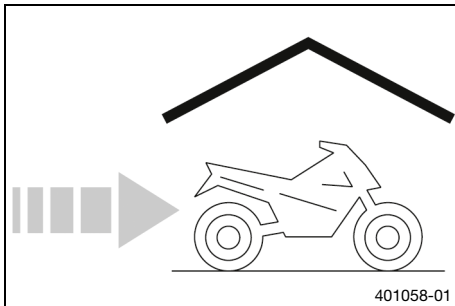


20.1 Storage

i Info

If you plan to garage the motorcycle for a longer period, perform the following steps or have them performed.

Before storing the motorcycle, check all parts for function and wear. If service, repairs, or replacements are necessary, you should do this during the storage period (less workshop overload). In this way, you can avoid long workshop waiting times at the start of the new season.



- When refueling for the last time before taking the motorcycle out of service, add fuel additive.

Fuel additive (📖 p. 134)

**Info**

The fuel additive stabilizes the fuel for longer storage and makes starting easier next time.

- Refuel. (📖 p. 42)

**Tip**

Fill the fuel tank completely as specified, using fuel with the lowest possible ethanol content.

- Clean the motorcycle. (📖 p. 114)
- Change the engine oil and the oil filter, clean the oil screens. 🛠️ (📖 p. 109)
- Check the antifreeze and coolant level. (📖 p. 100)
- Check tire pressure. (📖 p. 85)
- Remove the 12-V battery. 🛠️ (📖 p. 87)
- Charge the 12-V battery. 🛠️ (📖 p. 89)

Guideline

Storage temperature of the 12-V battery without direct sunlight	0 ... 35 °C (32 ... 95 °F)
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- Store the vehicle in a dry location that is not subject to large fluctuations in temperature.

**Info**

Husqvarna Motorcycles recommends jacking up the motorcycle.

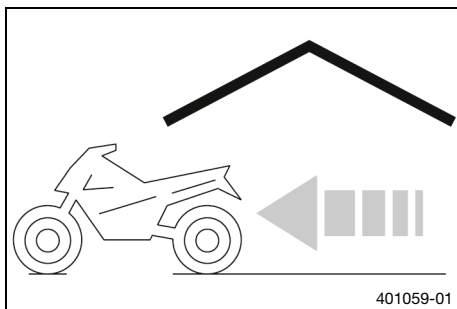
- Raise the motorcycle with a lift stand. (📖 p. 51)
- Cover the motorcycle with a tarp or cover that is permeable to air.

**Info**

Do not use non-porous materials since they prevent humidity from escaping, thus causing corrosion. Avoid running the engine for a short time only. Since the engine cannot warm up properly, the water vapor produced during combustion condenses and causes valves and the exhaust system to rust.



20.2 Preparing for use after storage



- Remove the motorcycle from the lift stand. (📖 p. 51)
- Install the 12-V battery. 🔧 (📖 p. 88)
- Set the clock. (📖 p. 28)
- Perform checks and maintenance measures when preparing for use. (📖 p. 34)
- Take a test ride.