

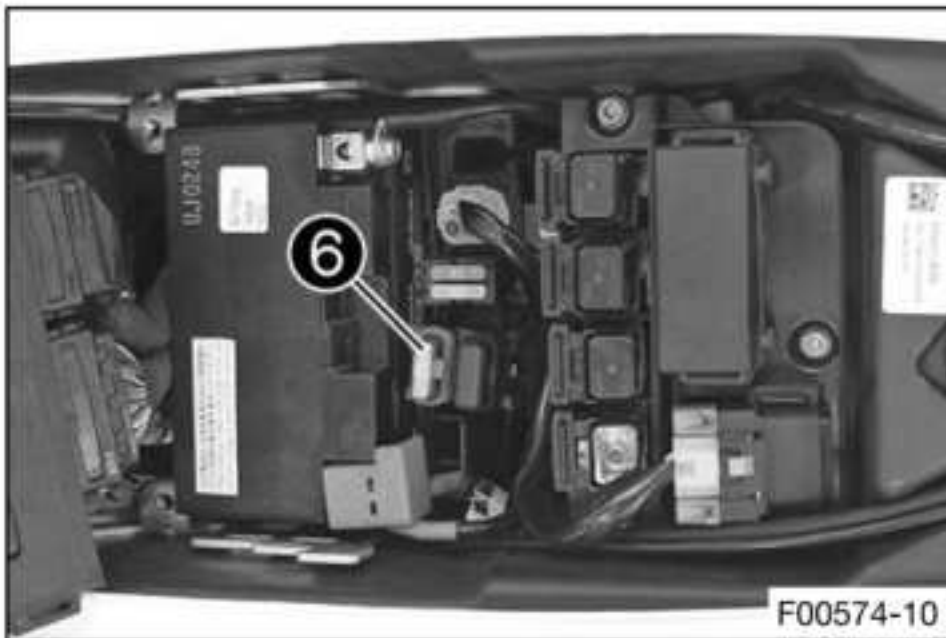


## To change the fuse of the ABS hydraulic unit:

- Take off the protection cap and remove fuse 5.
- Insert a new fuse.

Fuse (58011109115) (p. 319)

- Mount the protection cap.

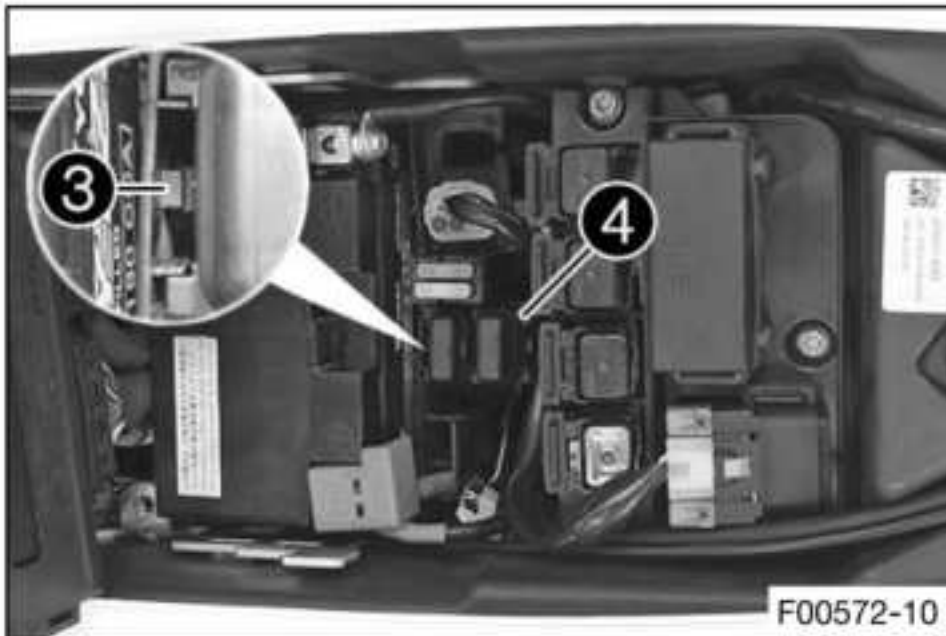


## To change the fuse of the ABS return pump:

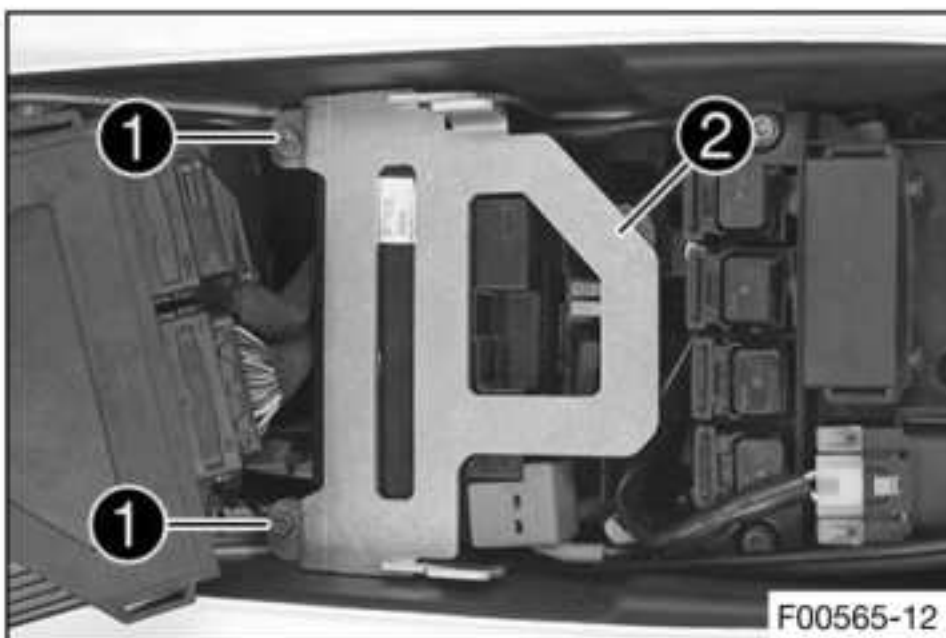
- Take off the protection cap and remove fuse 6.
- Insert a new fuse.

Fuse (58011109125) (p. 319)

- Mount the protection cap.



- Position holder 4.
- ✓ Holding lug 3 engages audibly.



- Position retaining bracket 2 and mount and tighten screws 1.

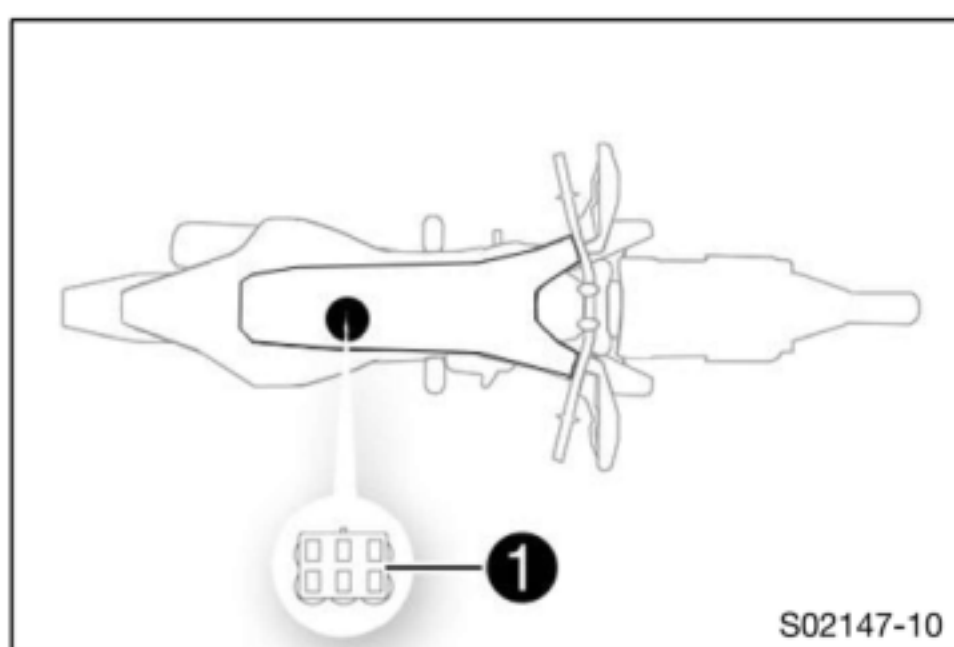
## Guideline

Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)
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## Finishing work

- Position the motor electronics control unit.
- Mount the seat. (p. 93)

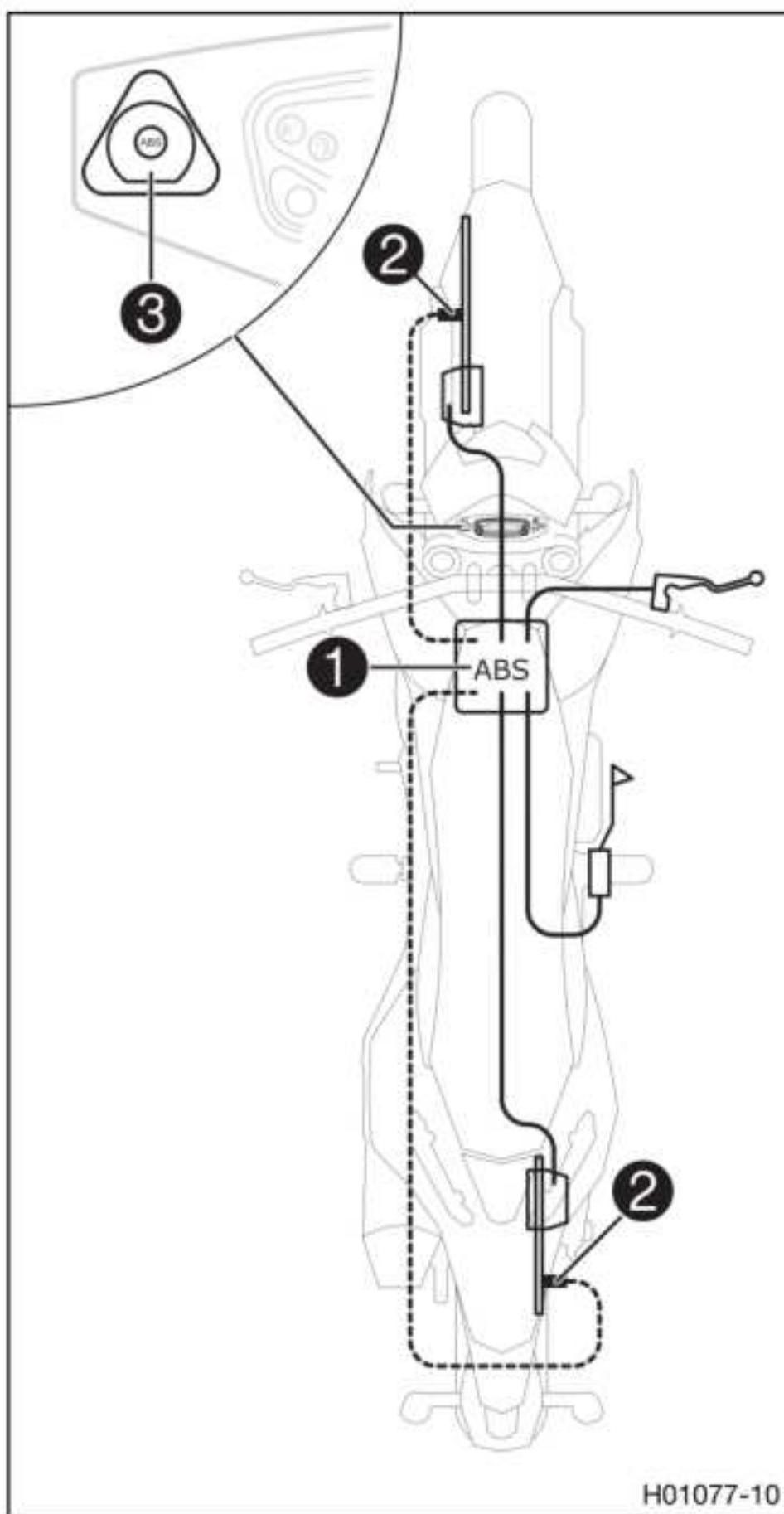
### 15.11 Diagnostics connector



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



## 16.1 Anti-lock braking system (ABS)



The ABS unit **1**, which consists of a hydraulic unit, ABS control unit, and return pump, is installed under the seat. One wheel speed sensor **2** is located in each case on the front and the rear wheel.

(EU)



### Warning

**Danger of accidents** Changes to the vehicle impair the function of the ABS.

- Only allow the rear wheel to spin with the front brake applied if the ABS is switched off (burn out).
- Do not make any changes to the suspension travel.
- Only use spare parts on the brake system which have been approved and recommended by Husqvarna Motorcycles.
- Only use tires/wheels approved by Husqvarna Motorcycles with the corresponding speed index.
- Maintain the specified tire pressure.
- Service work and repairs must be performed professionally.

### Note

**Voiding of the government approval for road use and the insurance coverage** If the ABS is switched off completely, the vehicle's approval for road use is invalidated.

- Only operate the vehicle in closed-off areas remote from public road traffic if the ABS is switched off completely.

The ABS is a safety system that prevents locking of the wheels when driving straight ahead without the influence of lateral forces.



### Warning

**Danger of accidents** Driving aids can only prevent a rollover within the physical limitations.

It is not always possible to compensate for extreme riding situations, for example with luggage loaded with a high center of gravity, varying road surfaces, steep descents or full braking without disengaging the gear.

- Adapt your riding style to the road conditions and your driving ability.



(US)



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- Adapt your riding style to the road conditions and your driving ability.

The ABS operates with two independent brake circuits (front and rear brakes). During normal operation, the brake system operates like a conventional brake system without ABS. When the ABS control unit detects a locking tendency in a wheel, ABS begins regulating the brake pressure. The control function causes a slight pulsing of the hand and foot brake levers.

The ABS warning lamp  must light up after the ignition is switched on and go out after starting off. If it does not go out after starting off or if it lights up while riding, this indicates a fault in the ABS system. In this case, the ABS is no longer enabled and the wheels may lock during braking. The brake system itself stays functional; only ABS control is not available.

The ABS warning lamp may also light up if the rotating speeds of the front and rear wheels differ greatly under extreme riding conditions, for example when making "wheelies" or if the rear wheel spins. This causes the ABS to switch off.

To reactivate the ABS, stop the vehicle and switch off the ignition. The ABS is reactivated when the vehicle is switched on again. The ABS warning lamp goes out when you start off.

The **3** button can be used to switch the ABS off manually (see Starting).

## 16.2 Checking the front brake linings



### Warning

**Danger of accidents** Worn-out brake linings reduce the braking effect.

- Ensure that worn-out brake linings are replaced immediately.

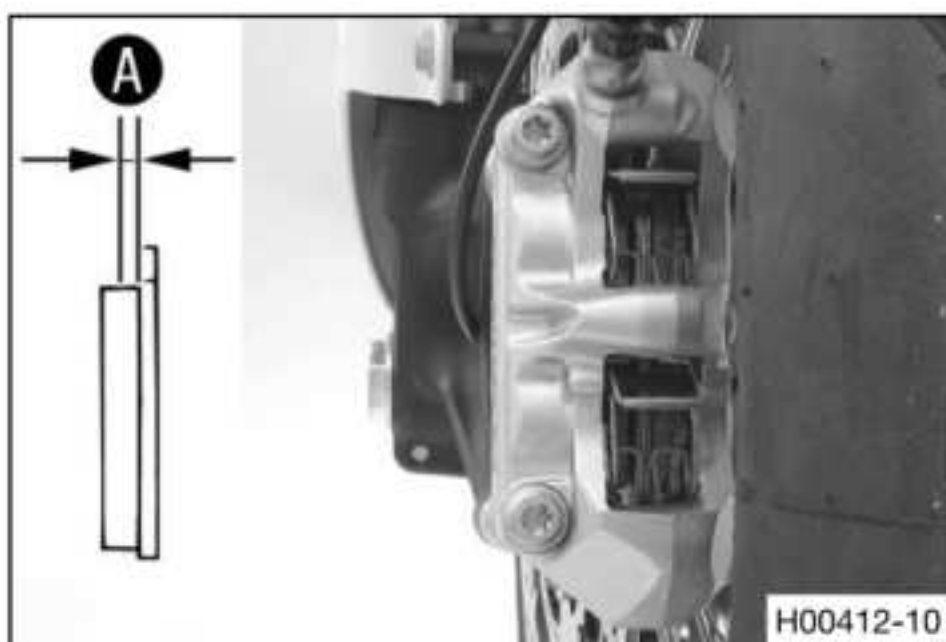


### Warning

**Danger of accidents** Damaged brake discs reduce the braking effect.

If the brake linings are not changed in time, the brake lining carriers grind against the brake disc. As a consequence, the braking effect is greatly reduced and the brake discs are destroyed.

- Check the brake linings regularly.



- Check the brake linings for minimum thickness **A**.

Minimum thickness <b>A</b>	$\geq 1 \text{ mm } (\geq 0.04 \text{ in})$
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- » If the minimum thickness is less than specified:
  - Change the front brake linings. (📖 p. 153)
- Check the brake linings for damage and cracking.
  - » If there is wear or tearing:
    - Change the front brake linings. (📖 p. 153)

## 16.3 Changing the front brake linings



### Warning

**Danger of accidents** Incorrect servicing will cause the brake system to fail.

- Ensure that service work and repairs are performed professionally.



### Warning

**Skin irritation** Brake fluid causes skin irritation.

- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.



### Warning

**Danger of accidents** Old brake fluid reduces the braking effect.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule.





## Warning

**Danger of accidents** Oil or grease on the brake discs reduces the braking effect.

- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.



## Warning

**Danger of accidents** Brake linings which have not been approved alter the braking efficiency.

Not all brake linings are tested and approved for Husqvarna motorcycles. The structure and friction coefficient of the brake linings, and thus their brake power, may vary greatly from that of original brake linings.

If brake linings are used that differ from the original equipment, compliance with the original homologation is not guaranteed. In this case, the vehicle no longer corresponds to its condition at delivery and the warranty shall be void.

- Only use brake linings approved and recommended by Husqvarna motorcycles.



## 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.

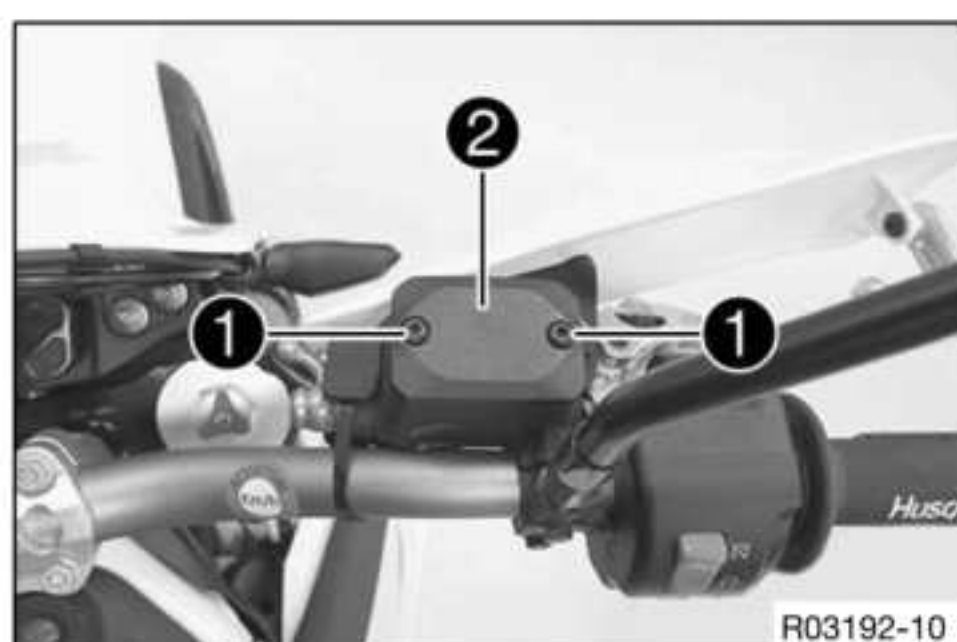


## Info

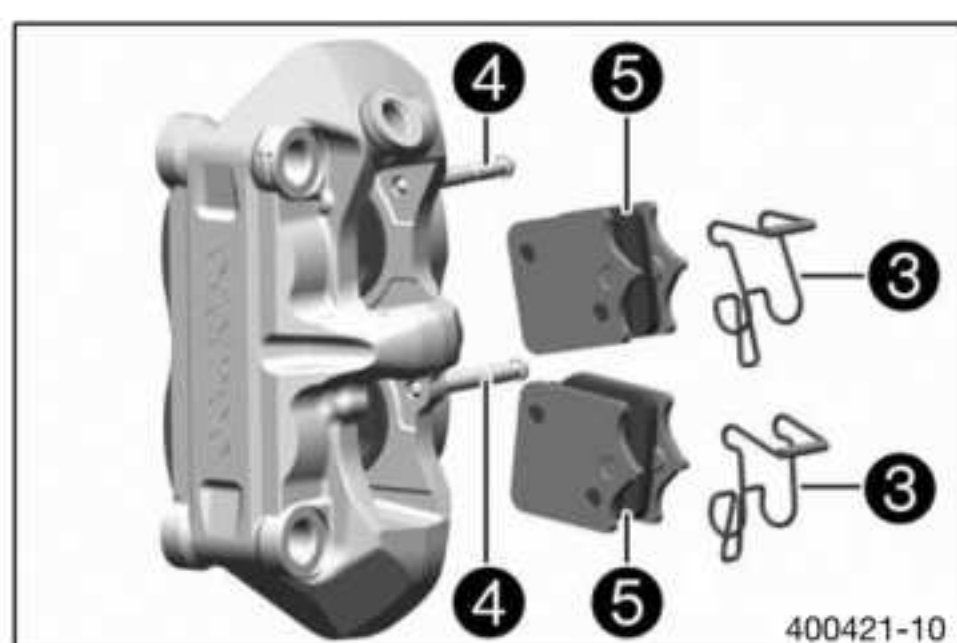
Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and brake lines are not designed for DOT 5 brake fluid.

Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.

Only use clean brake fluid from a sealed container.



- Move the brake reservoir mounted on the handlebar to a horizontal position.
- Remove screws ❶.
- Take off cover ❷ with the membrane.
- Press the brake piston back into the basic position and ensure that brake fluid does not flow out of the brake fluid reservoir; extract some if necessary.



- Push the spring hanger forward from spring ❸ and pull out pin ❹.
- Take off springs ❸. Remove brake linings ❺.
- Clean the brake caliper.
- Insert new brake linings ❺. Position springs ❸ and mount pins ❹.

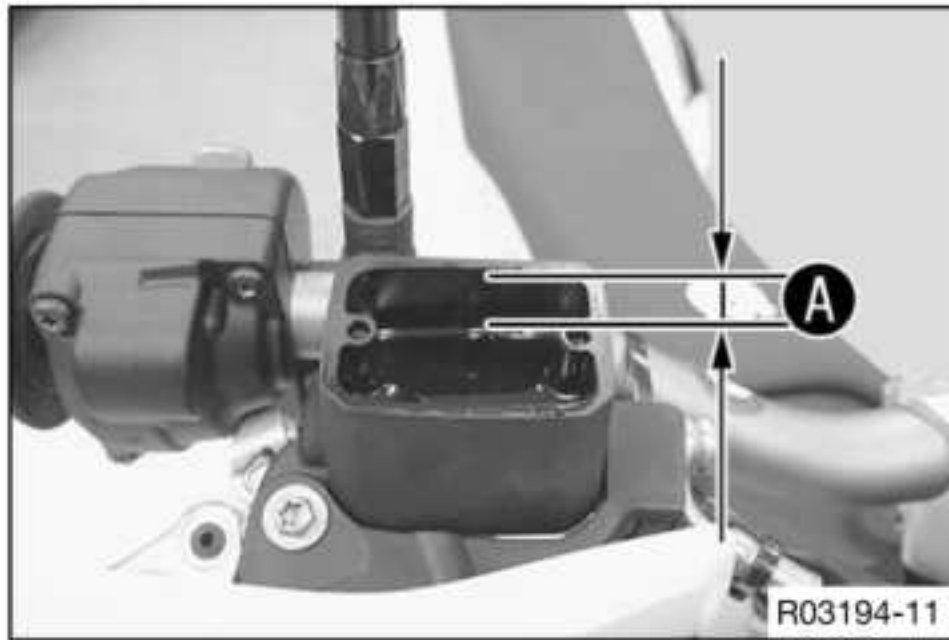


## Info

Always change the brake linings in pairs.

The spring hanger of springs ❸ must be positioned upward.





- Correct the brake fluid quantity to level **A**.

Guideline

Dimension <b>A</b>	5 mm (0.2 in)
Brake fluid DOT 4 / DOT 5.1 (p. 376)	

- Position the cover with the membrane. Mount and tighten the screws.

**i Info**  
Clean up overflowed or spilled brake fluid immediately with water.

## 16.4 Adjusting the basic position of the hand brake lever



- Adjust the basic position of the hand brake lever to your hand size by turning adjusting wheel **1**.

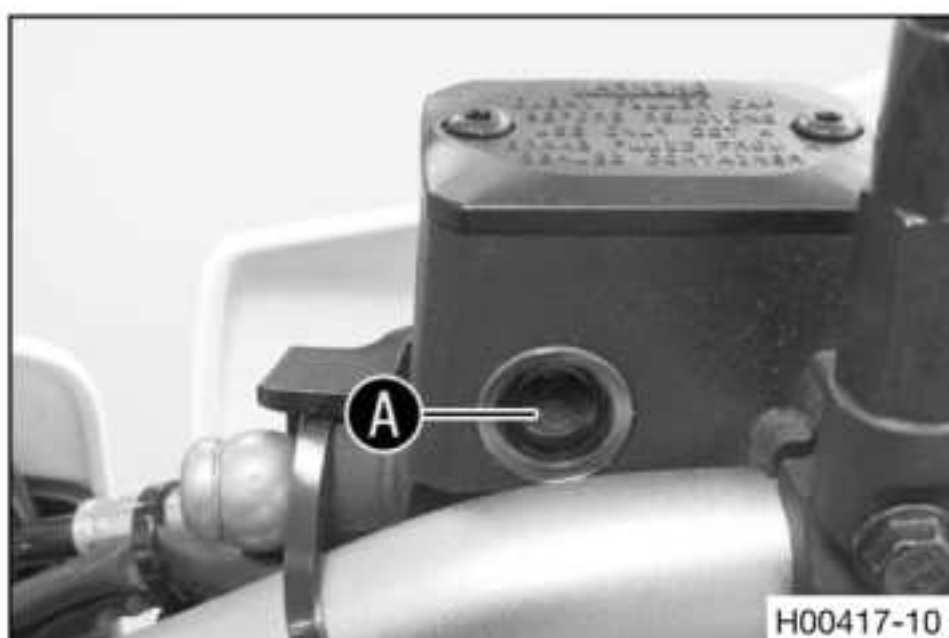
**i Info**  
Push the hand brake lever forward and turn the adjusting wheel.  
Do not make any adjustments while riding.

## 16.5 Checking the front brake fluid level

**! Warning**  
**Danger of accidents** An insufficient brake fluid level will cause the brake system to fail.  
If the brake fluid level drops below the specified marking or the specified value, the brake system is leaking or the brake linings are worn down.

- Check the brake system and do not continue riding until the problem is eliminated.


**! Warning**  
**Danger of accidents** Old brake fluid reduces the braking effect.  
– Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule.



- Move the brake reservoir mounted on the handlebar to a horizontal position.
- Check the brake fluid level in the viewer.
  - » If the brake fluid level has dropped below the marking **A**:
    - Add front brake fluid. (p. 156)




16.6 Adding front brake fluid

**Warning**


**Danger of accidents** An insufficient brake fluid level will cause the brake system to fail.  
If the brake fluid level drops below the specified marking or the specified value, the brake system is leaking or the brake linings are worn down.

- Check the brake system and do not continue riding until the problem is eliminated.

**Warning**


**Skin irritation** Brake fluid causes skin irritation.

- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.

**Warning**


**Danger of accidents** Old brake fluid reduces the braking effect.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule.

**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.

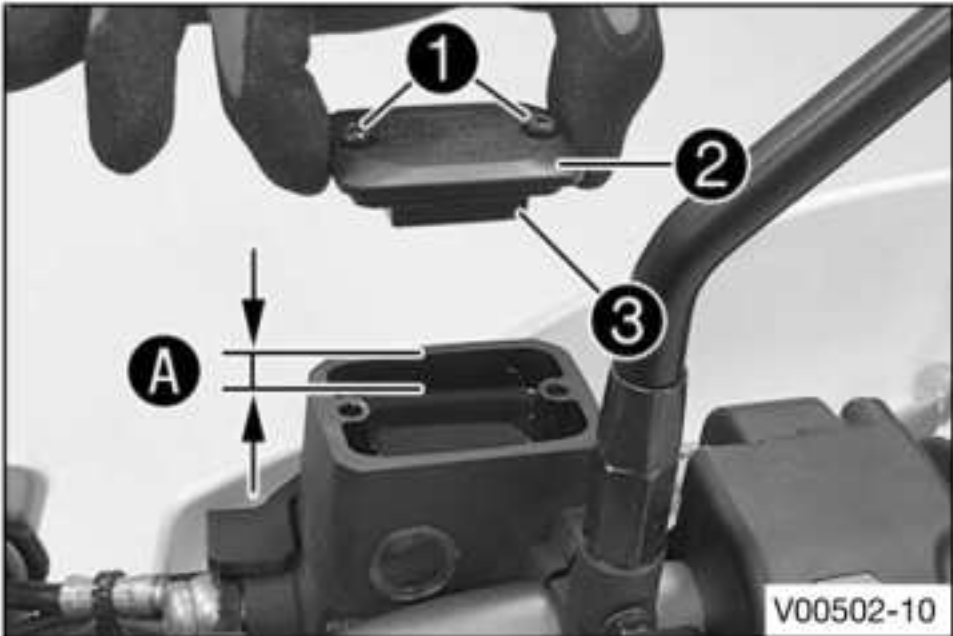
**Info**

Never use DOT 5 brake fluid. It is silicone-based and purple in color. Oil seals and brake lines are not designed for DOT 5 brake fluid.  
Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.  
Only use clean brake fluid from a sealed container.

- Preparatory work**
- Check the front brake linings. (📖 p. 153)

- Main work**
- Move the brake reservoir mounted on the handlebar to a horizontal position.
  - Remove screws ❶.
  - Take off cover ❷ with membrane ❸.
  - Add brake fluid to level A.

Guideline	
Level A (brake fluid level below reservoir rim)	5 mm (0.2 in)
Brake fluid DOT 4 / DOT 5.1 (📖 p. 376)	





- Position the cover with the membrane. Mount and tighten the screws.

**Info**

Clean up overflowed or spilled brake fluid immediately with water.



## 16.7 Changing the front brake fluid

**Warning**

**Skin irritation** Brake fluid causes skin irritation.

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**Note**

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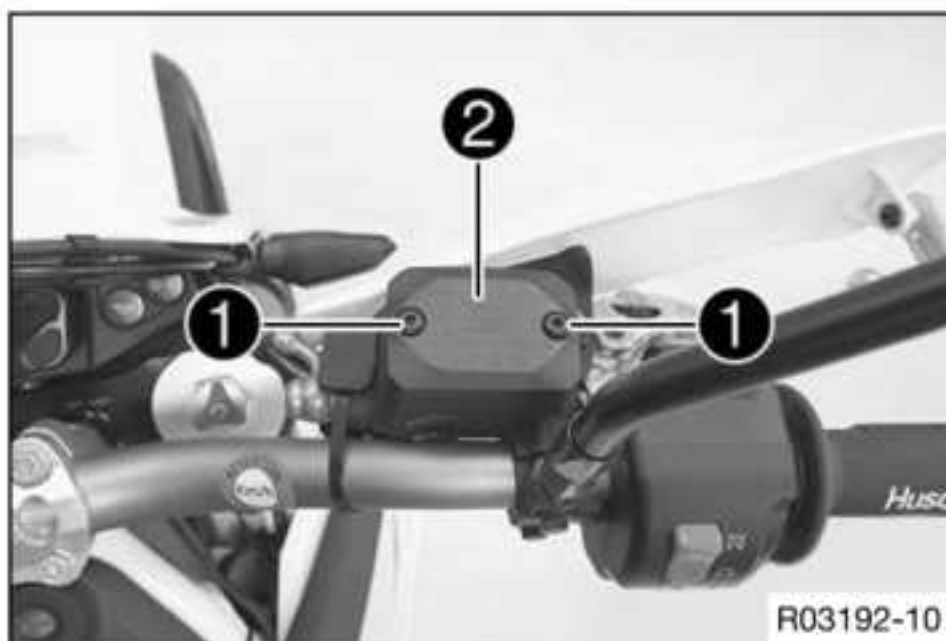
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Avoid contact between brake fluid and painted parts. Brake fluid attacks paint.

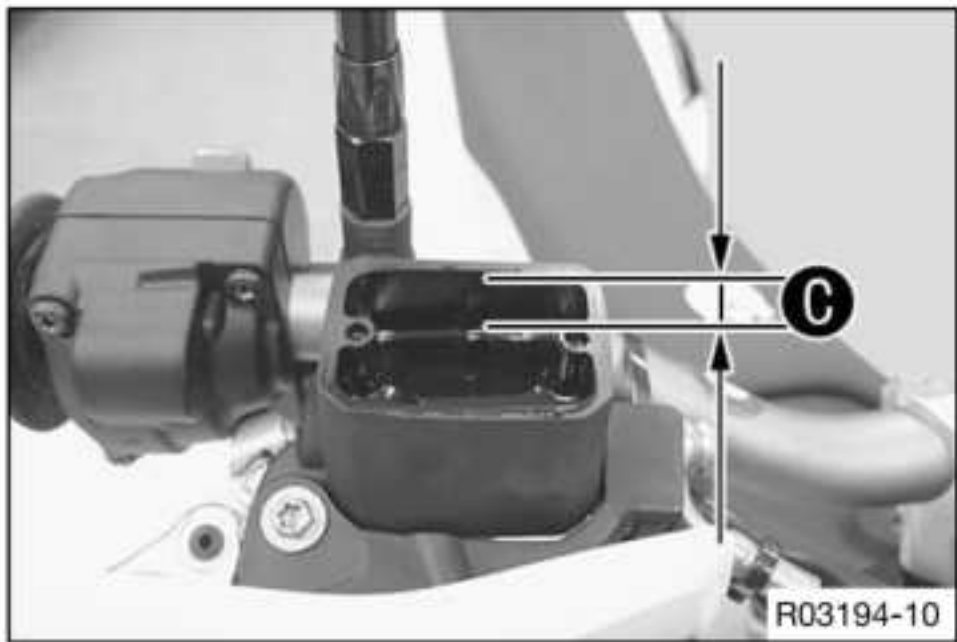
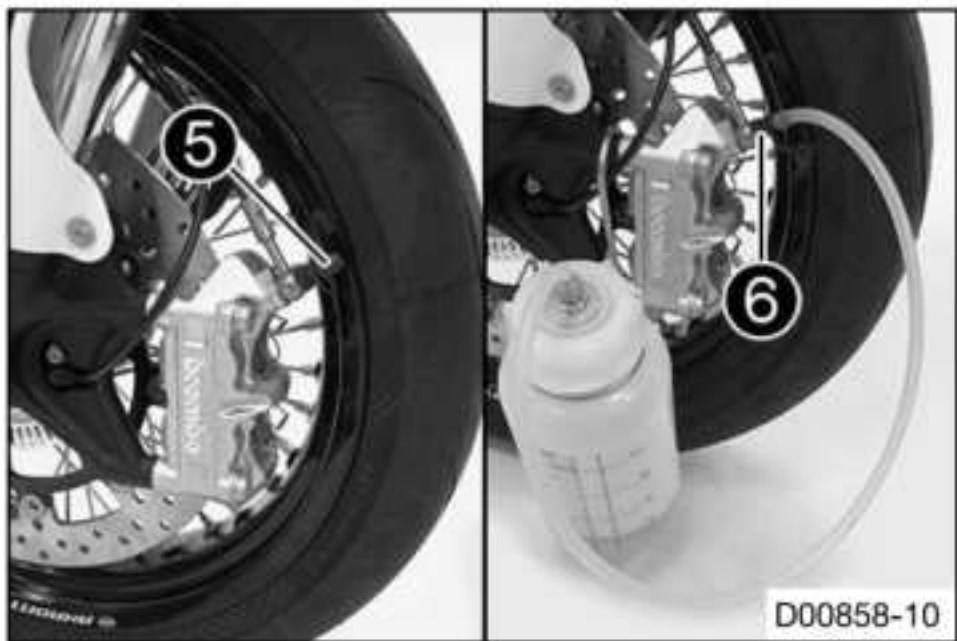
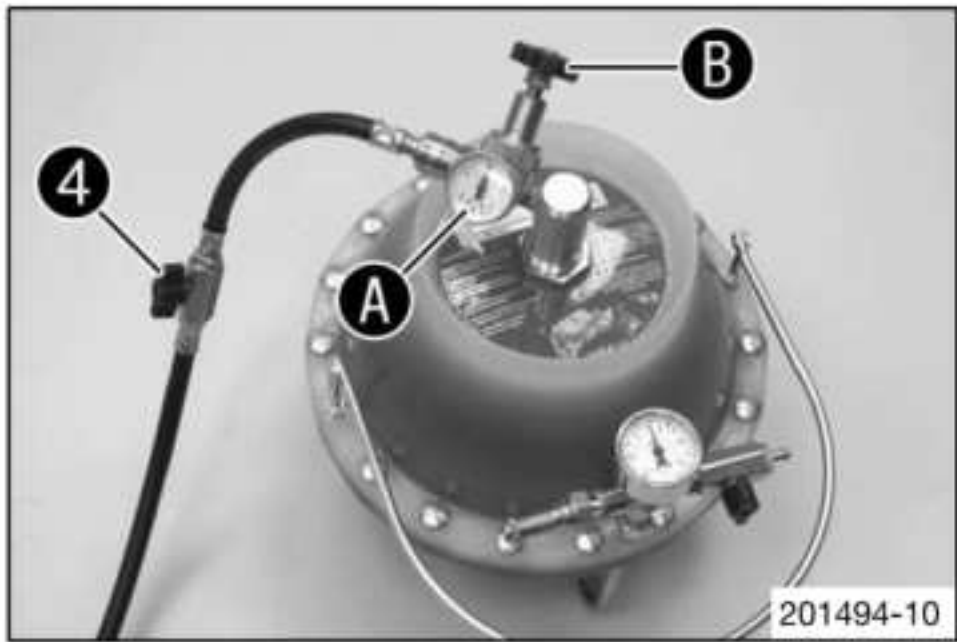
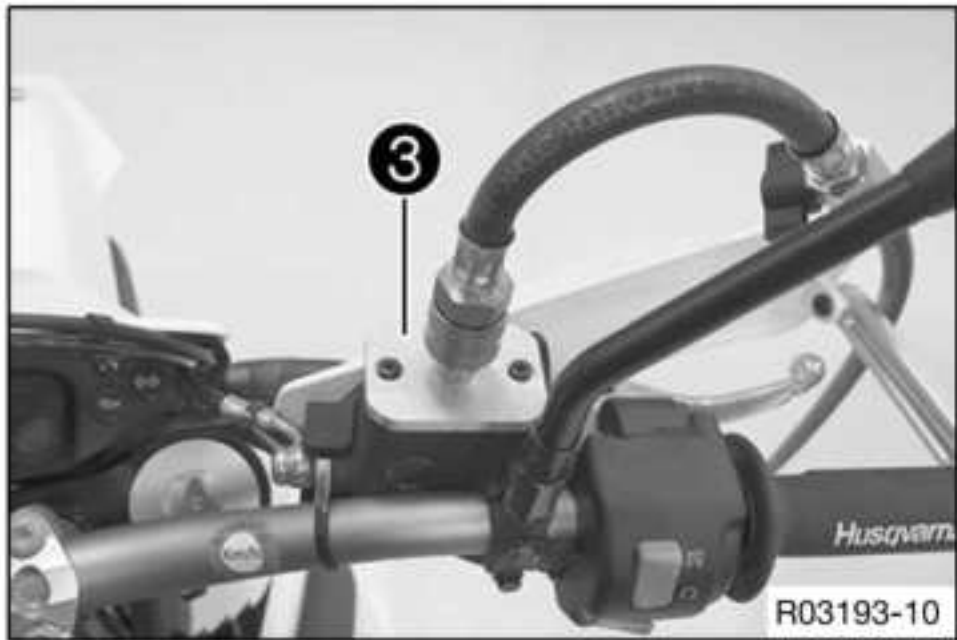
Only use clean brake fluid from a sealed container.



- Move the brake reservoir mounted on the handlebar to a horizontal position.
- Cover painted parts.
- Remove screws ①.
- Take off cover ② with the membrane.
- Extract the old brake fluid from the brake fluid reservoir using a syringe and fill with fresh brake fluid.

Syringe (50329050000) (📖 p. 382)
Brake fluid DOT 4 / DOT 5.1 (📖 p. 376)





- Mount bleeder cover 3.

Bleeder cover (00029013015) (p. 380)

- Connect the bleeding device.

Bleeding device (00029013100) (p. 380)

- Open shut-off valve 4.

**Info**  
Follow the instructions in the Owner's Manual of the bleeding device.

- Ensure that the inflation pressure is set on pressure gauge A. Correct the inflation pressure on pressure regulator B if necessary.

Guideline

Inflation pressure	2 ... 2.5 bar (29 ... 36 psi)
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- Pull off protection cap 5 of the brake caliper bleeder screw. Connect the bleeder bottle hose.

Bleeding device (00029013100) (p. 380)

- Open bleeder screw 6 by approx. one half turn.

**Info**  
Drain until fresh brake fluid emerges in the bleeder bottle hose without bubbles.

- Tighten the bleeder screw.
- Close shut-off valve 4.
- Open the bleeder screw again until brake fluid stops emerging.

**Info**  
Overfilling the brake fluid reservoir is prevented.

- Tighten the bleeder screw. Remove the bleeder bottle hose. Attach the protection cap.
- Disconnect the bleeding device. Remove the bleeder cover.
- Correct the brake fluid level.

Guideline

Add brake fluid to level C.	5 mm (0.2 in)
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Brake fluid DOT 4 / DOT 5.1 (p. 376)

- Position the cover with the membrane. Mount and tighten the screws.