


- Press and hold both buttons for 3 - 5 seconds.
✓ The Setup menu is displayed. The **UNIT** display flashes.
- Wait for the menu of the service display  to flash.
- Set the service.

Guideline

Service display switched off

Shortening the service interval

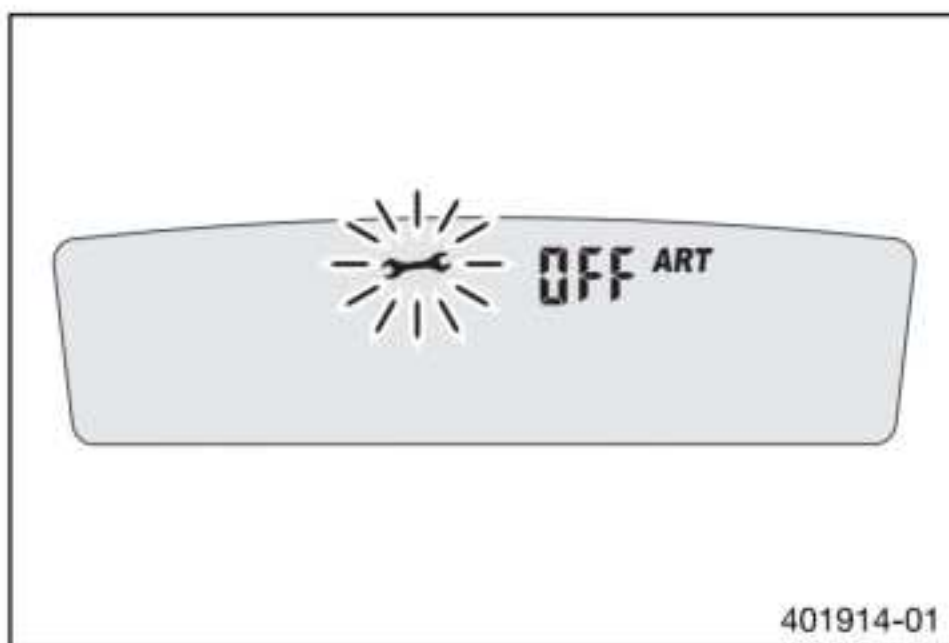
- Press the left button.
✓ The value decreases.

Extending the service interval

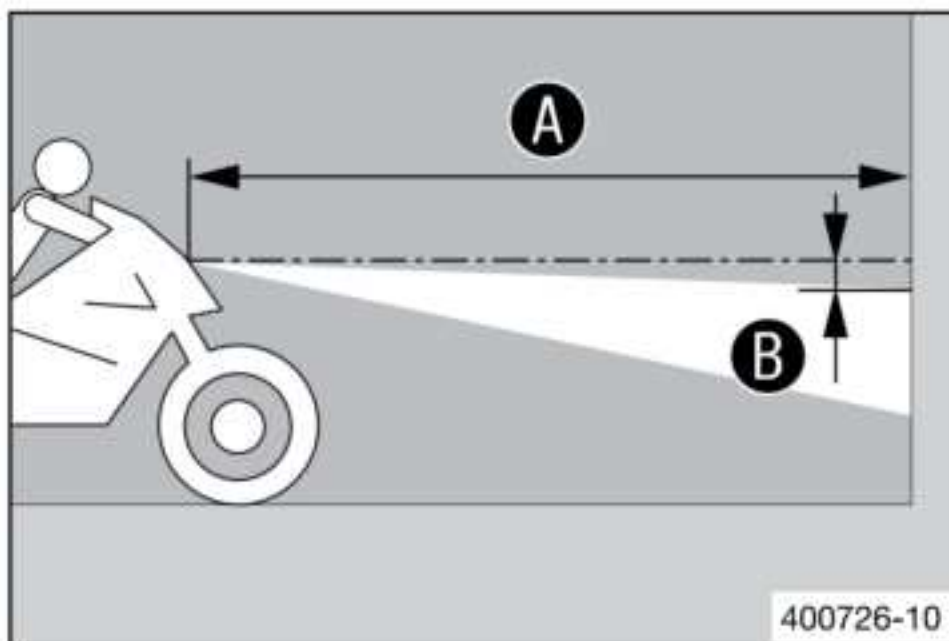
- Press the right button.
✓ The value increases.

Switching off the service interval display

- Press and hold the left button.
✓ **off** appears on the display.



17.2 Checking the headlight setting



- Position the vehicle upright on a horizontal surface in front of a light wall and make a marking at the height of the center of the low beam headlight.

- Make another mark at a distance **B** under the first marking.

Guideline

Distance B	5 cm (2 in)
-------------------	-------------

- Position the vehicle vertically at a distance **A** away from the wall.

Guideline

Distance A	5 m (16 ft)
-------------------	-------------

- The rider now mounts the motorcycle with luggage and passenger if applicable.
- Switch on the low beam.
- Check the headlight setting.

The light-dark boundary must be exactly on the lower marking when the motorcycle is ready to be operated with the rider mounted along with any luggage and a passenger if applicable.

- » If the boundary between light and dark does not meet specifications:

- Adjust the headlight range. ( p. 170)

17.3 Adjusting the headlight range



Preparatory work

- Check the headlight setting. (📖 p. 169)

Main work

- Loosen screw ①.
- Adjust the headlight range by pivoting the headlight.

Guideline

The boundary between light and dark must be exactly on the lower mark for a motorcycle with rider (instructions on how to apply the mark: Checking the headlight setting).

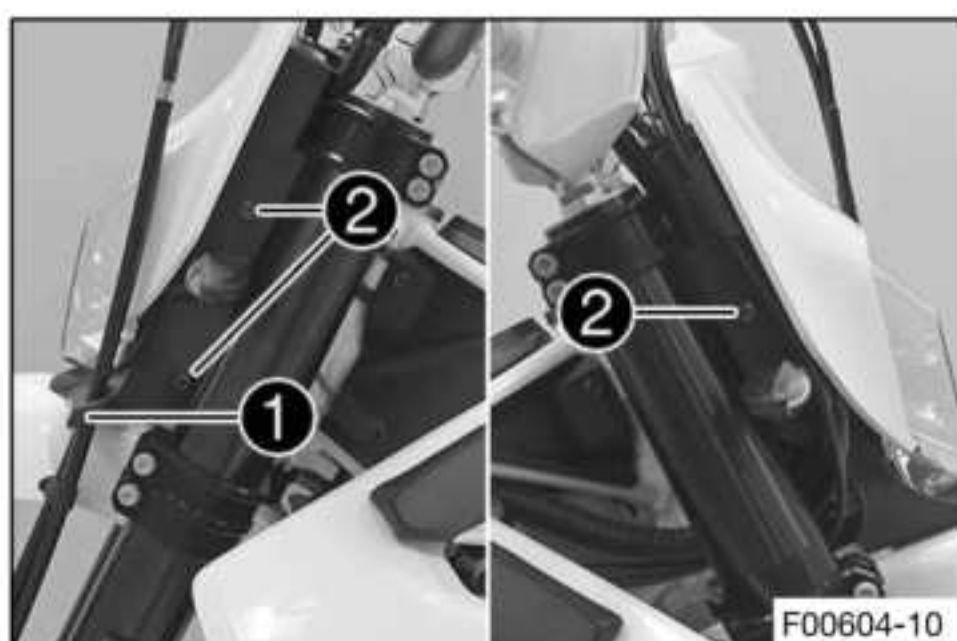


Info

If you have a payload, you may have to correct the headlight range.

- Tighten screw ①.

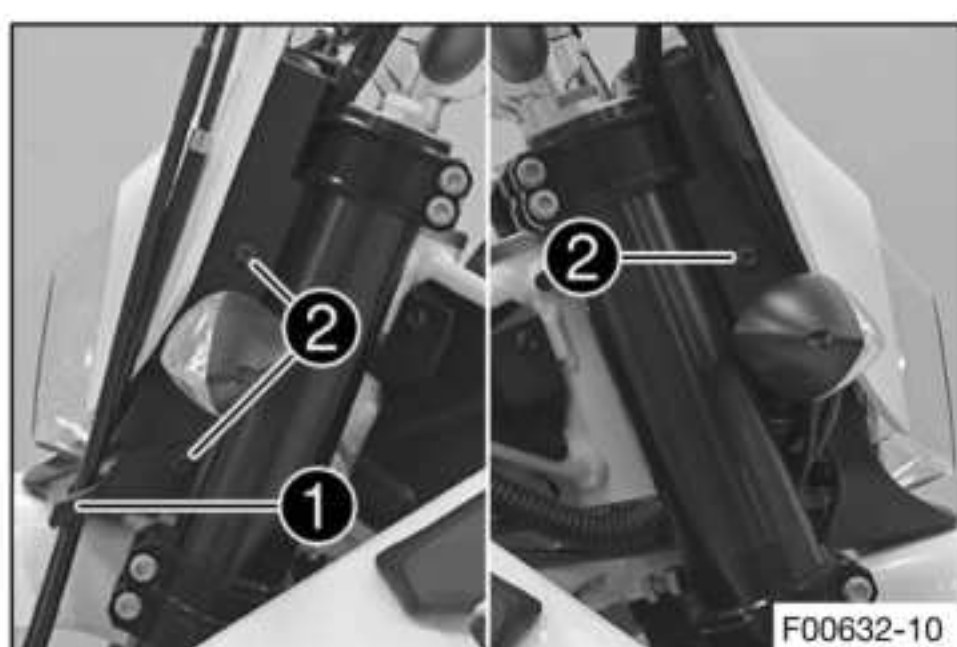
17.4 Removing the headlight mask with the headlight



- Switch off the ignition by turning the ignition key to the **OFF** ☒ position.

(EU)

- Cover the fender with a cloth to protect it from damage.
- Detach the brake line and wiring harness from holder ①.
- Remove screws ② on both sides.
- Fold the headlight mask forward.



(US)

- Cover the fender with a cloth to protect it from damage.
- Detach the brake line and wiring harness from holder ①.
- Remove screws ② on both sides.
- Fold the headlight mask forward.



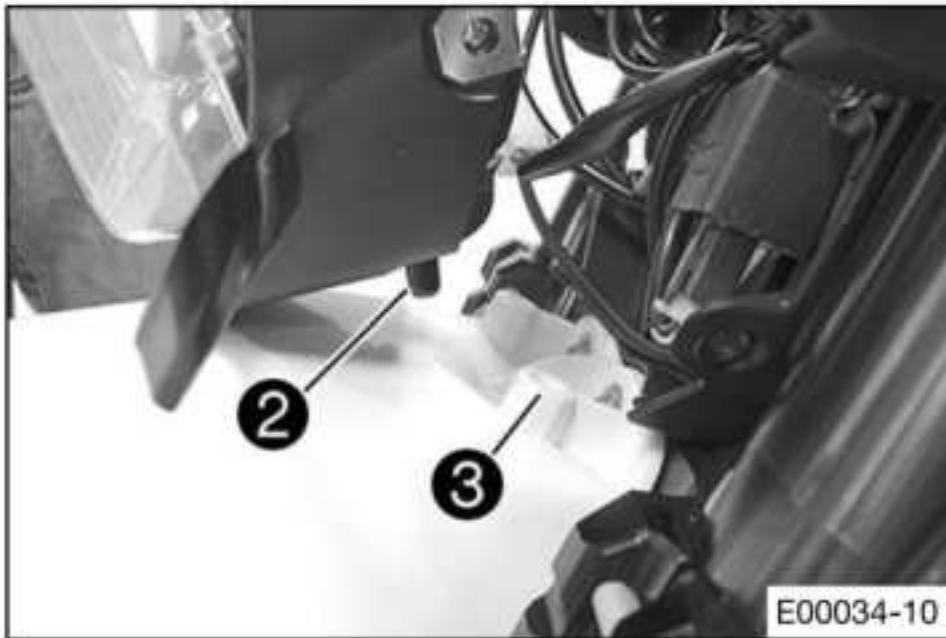
- Disconnect plug-in connector ③ of the headlight.
- Take off the headlight mask.

17.5 Installing the headlight mask with the headlight

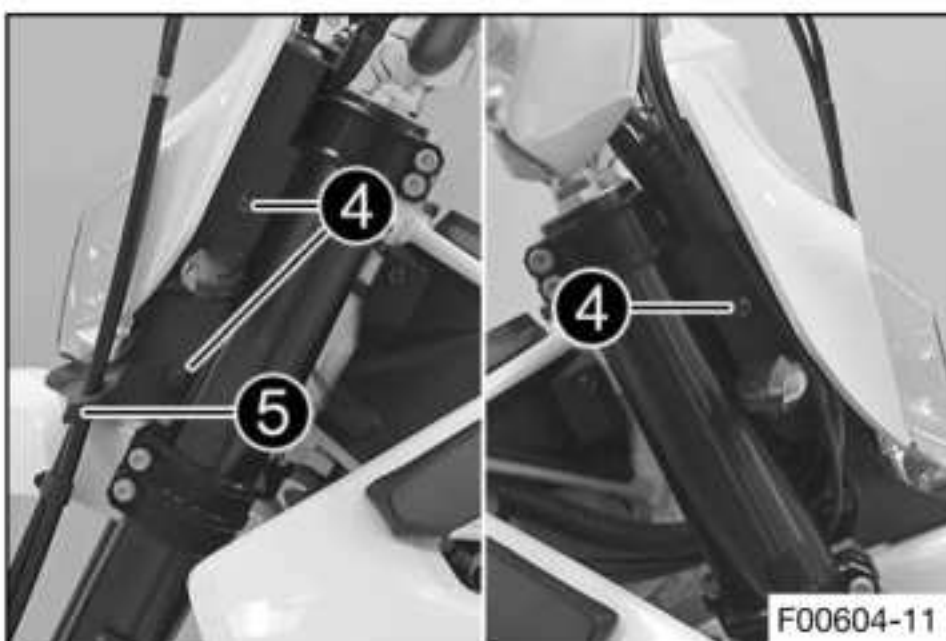


Main work

- Connect plug-in connector **1** of the headlight.
- Check that the lighting is functioning properly.



- Remove the cloth from the fender and position the headlight mask.
- ✓ Both holding lugs **2** engage in drilled holes **3** of the fender.



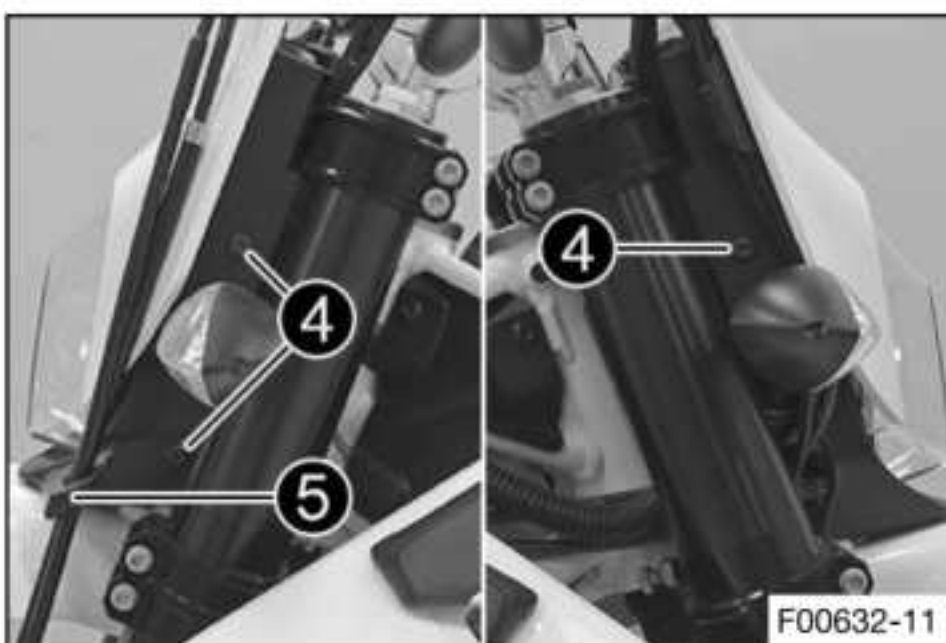
(EU)

- Mount and tighten screws **4**.

Guideline

Screw, headlight mask	M5	5 Nm (3.7 lbf ft)
-----------------------	----	-------------------

- Mount the brake line and wiring harness in holder **5**.



(US)

- Mount and tighten screws **4**.

Guideline

Screw, headlight mask	M5	5 Nm (3.7 lbf ft)
-----------------------	----	-------------------

- Mount the brake line and wiring harness in holder **5**.

Finishing work

- Check the headlight setting. (📖 p. 169)

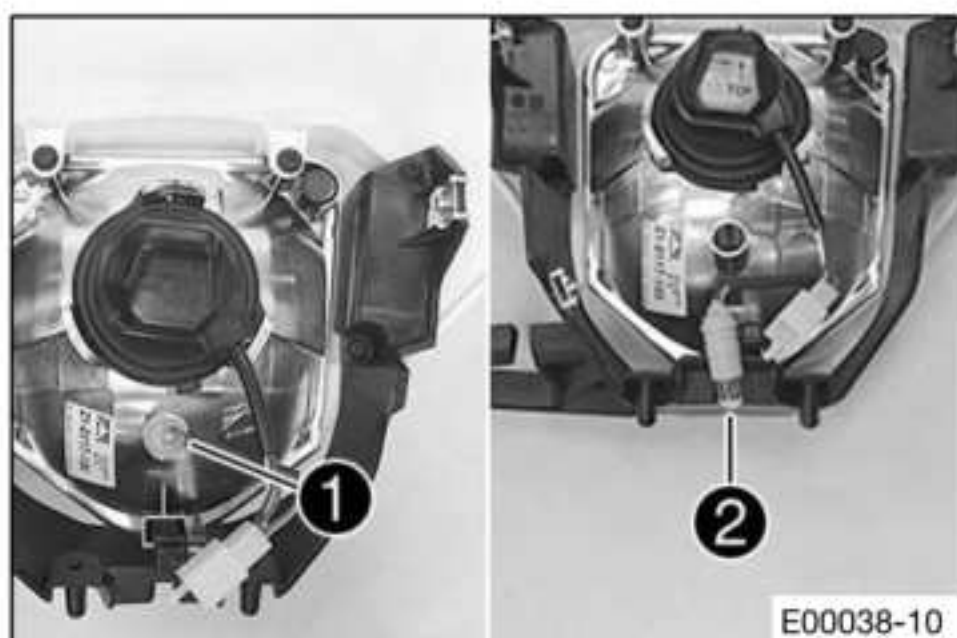
17.6 Changing the parking light bulb

Note

Damage to reflector Grease on the reflector reduces the light intensity.

Grease on the bulb will evaporate due to the heat and be deposited on the reflector.

- Clean and degrease the bulbs before mounting.
- Do not touch the bulbs with your bare hands.



Preparatory work

- Remove the headlight mask with the headlight. (📖 p. 170)

Main work

- Pull bulb socket ① out of the reflector.
- Pull parking light bulb ② out of the bulb socket.
- Insert a new parking light bulb in the bulb socket.

Position light (W5W / socket W2.1x9.5d) (📖 p. 319)

- Insert the bulb socket in the reflector.

Finishing work

- Install the headlight mask with the headlight. (📖 p. 171)
- Check the headlight setting. (📖 p. 169)

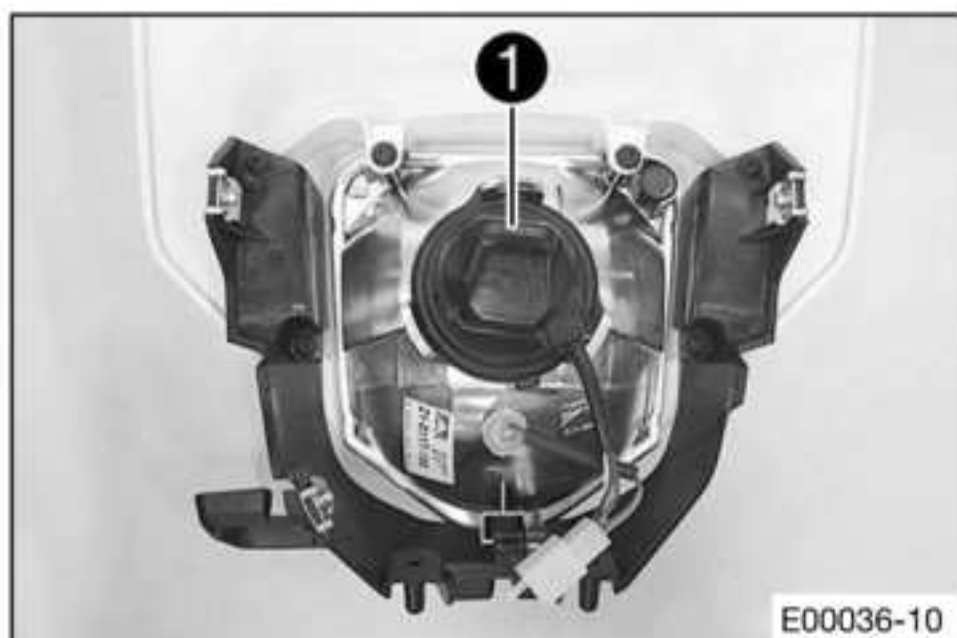
17.7 Changing the headlight bulb

Note

Damage to reflector Grease on the reflector reduces the light intensity.

Grease on the bulb will evaporate due to the heat and be deposited on the reflector.

- Clean and degrease the bulbs before mounting.
- Do not touch the bulbs with your bare hands.

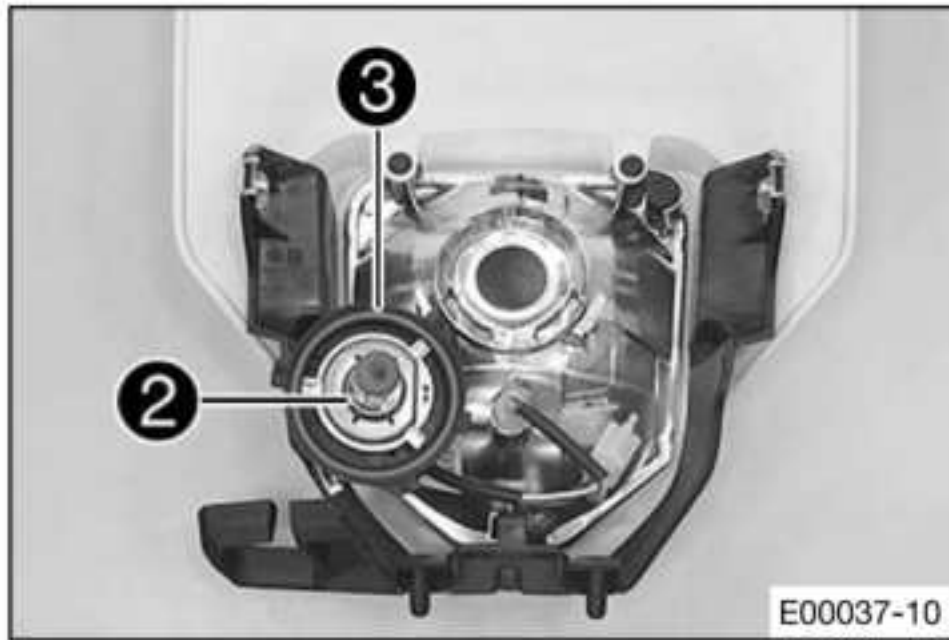


Preparatory work

- Remove the headlight mask with the headlight. (📖 p. 170)

Main work

- Turn protection cap ① together with the underlying bulb socket counterclockwise all the way and remove it.



- Pull out headlight bulb ②.
- Insert the new headlight bulb.

Headlight (H4/socket P43t) (📖 p. 319)

- Insert the protection cap with the bulb socket into the reflector and turn it clockwise all the way.



Info

Ensure that O-ring ③ is seated properly.

Finishing work

- Install the headlight mask with the headlight. (📖 p. 171)
- Check the headlight setting. (📖 p. 169)

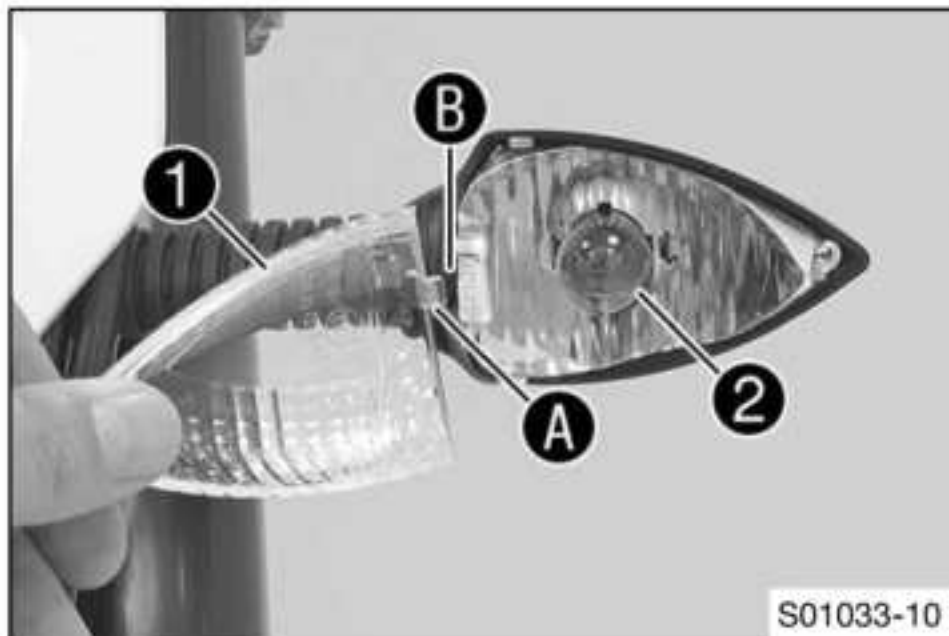
17.8 Changing the turn signal bulb (US)

Note

Damage to reflector Grease on the reflector reduces the light intensity.

Grease on the bulb will evaporate due to the heat and be deposited on the reflector.

- Clean and degrease the bulbs before mounting.
- Do not touch the bulbs with your bare hands.



- Remove the screw on the rear of the turn signal housing.
- Carefully remove turn signal glass ①.
- Press bulb ② carefully into the socket, turn it counterclockwise by about 30°, and take it out of the socket.



Info

Do not touch the reflector with your fingers and keep it free from grease.

- Push the new bulb gently into the socket and turn it clockwise all the way in.

Turn signal (RY10W/socket BAU15s) (📖 p. 319)

- Check that the turn signal is functioning properly.
- Position the turn signal glass.











Info

Insert holding lug ① into cut-out ②.

- Insert the screw and first turn counterclockwise until it engages in the thread with a small jerk. Tighten the screw lightly.

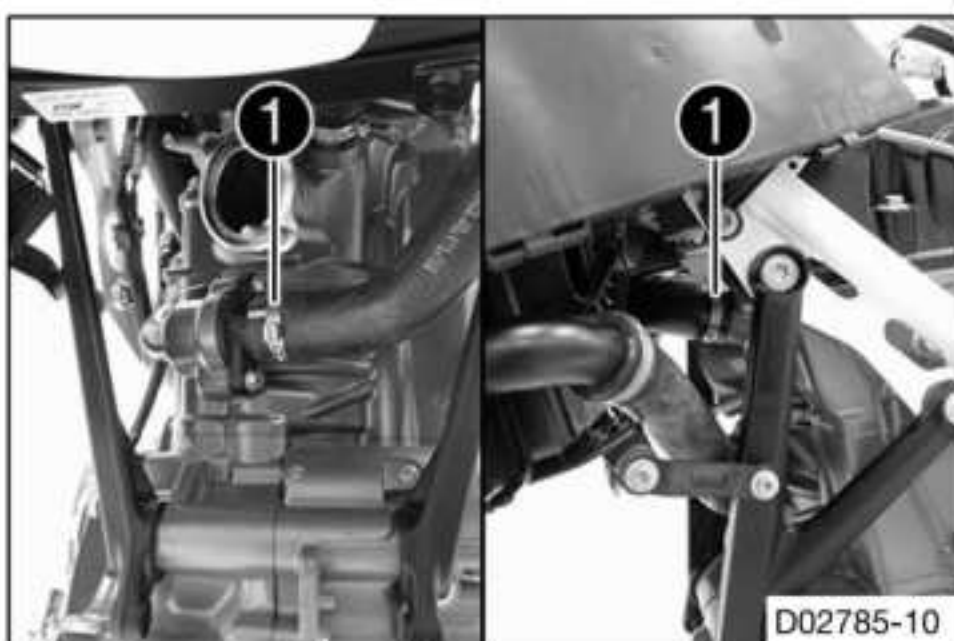
18.1 Removing the engine

Preparatory work

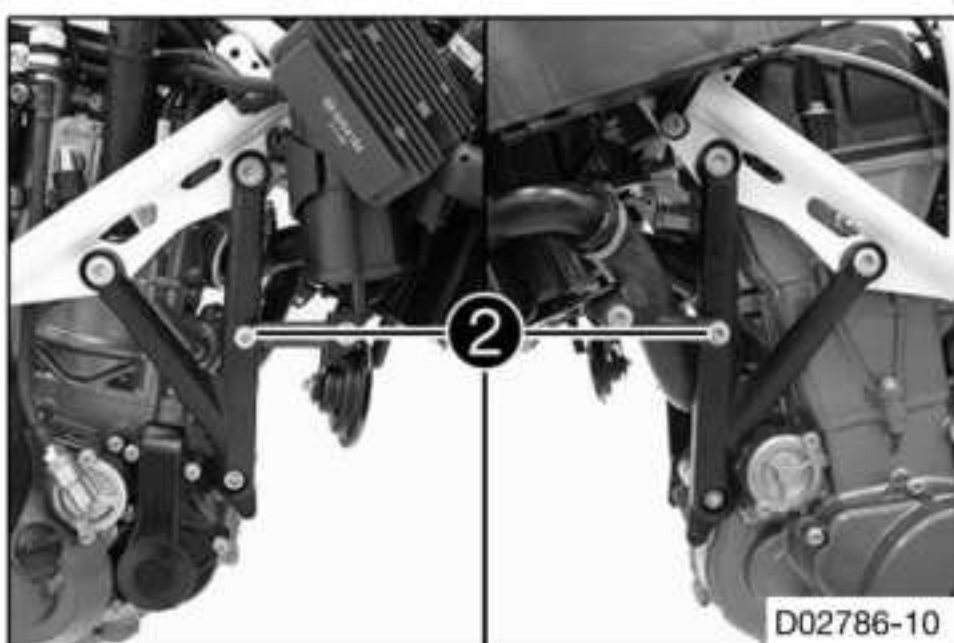
- Switch off the ignition by turning the ignition key to the **OFF**  position.
- Remove the seat. ( p. 93)
- Disconnect the 12-V battery. ( p. 141)
- Raise the motorcycle with the work stand. ( p. 14)
- Take off the side cover. ( p. 93)
- Remove the air filter box. ( p. 87)
- Remove the manifold. ( p. 82)
- Drain the coolant. ( p. 282)

Main work

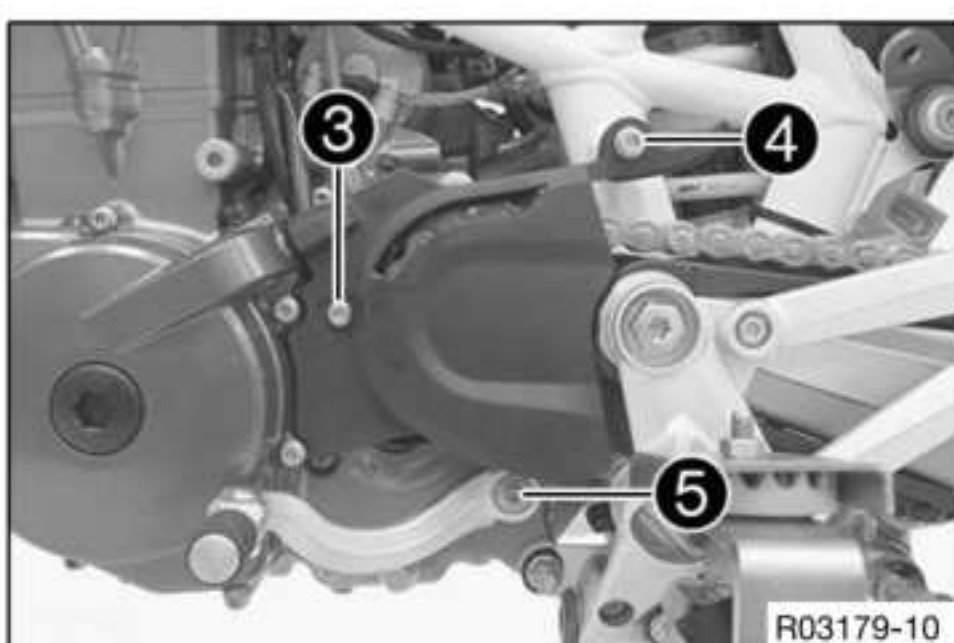
- Remove the hose clips **1**. Pull off the radiator hoses.



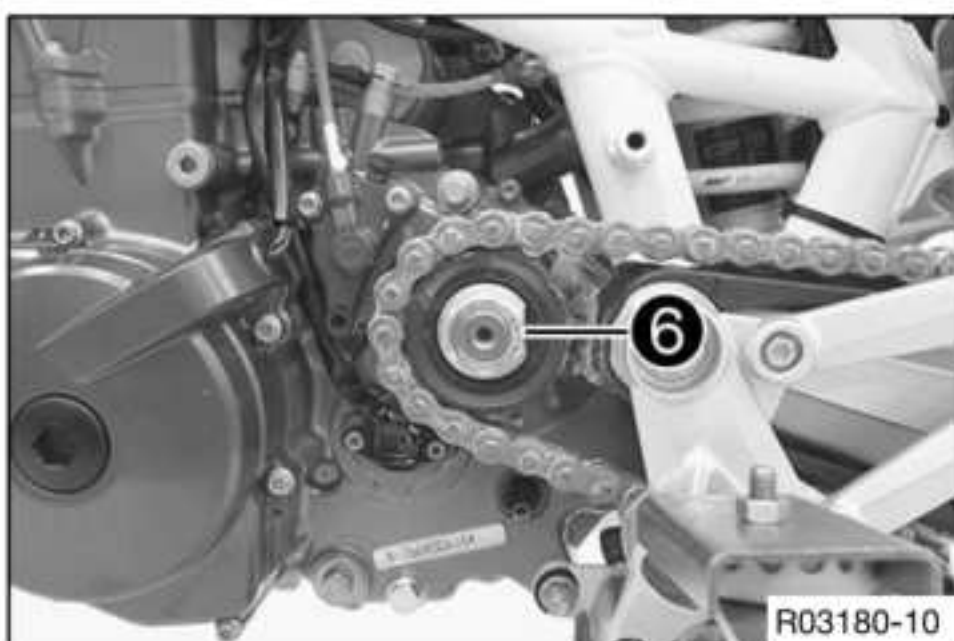
- Remove screws **2**.

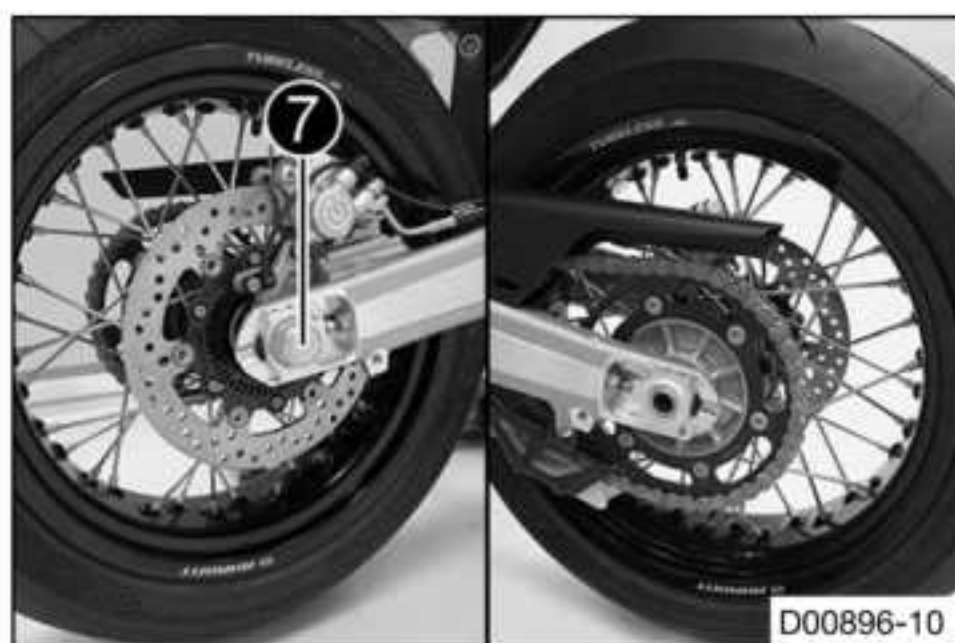


- Remove screw **3**.
- Remove screw **4**.
- Take off the engine sprocket cover.
- Remove screw **5** with the washers.
- Take off the shift lever.



- Bend up lock washer **6**.
- Have an assistant operate the rear brake.
- Remove the nut of the engine sprocket with the lock washer.





- Remove nut 7. Remove the chain adjuster.
- Pull out wheel spindle far enough to allow the rear wheel to be pushed forward.
- Push the rear wheel forward as far as possible and take the chain off the rear sprocket.

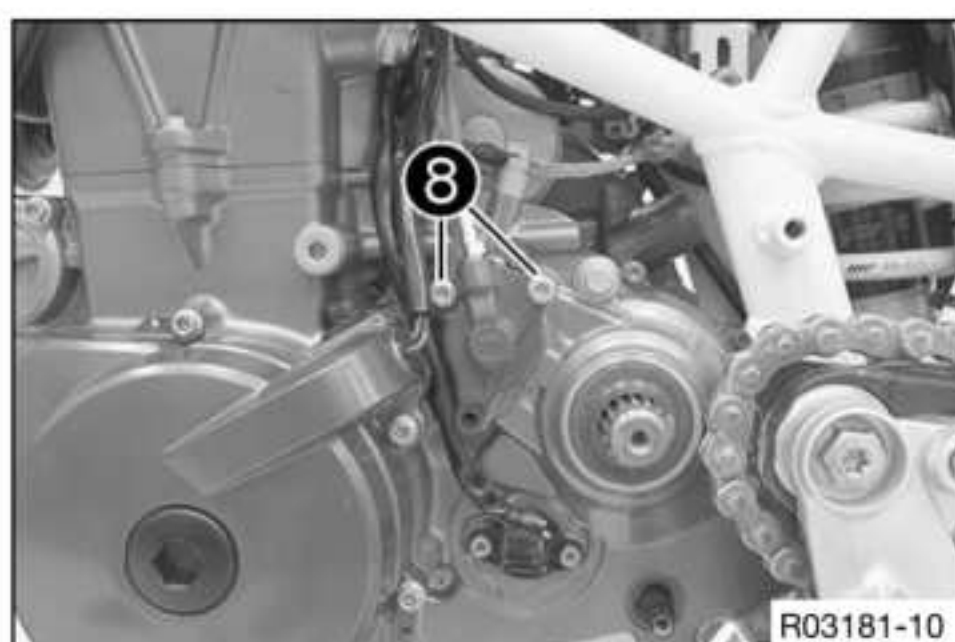


Info

The rear wheel does not have to be fully removed.



- Take off the engine sprocket.
- Remove the cable tie(s) and expose the cables.



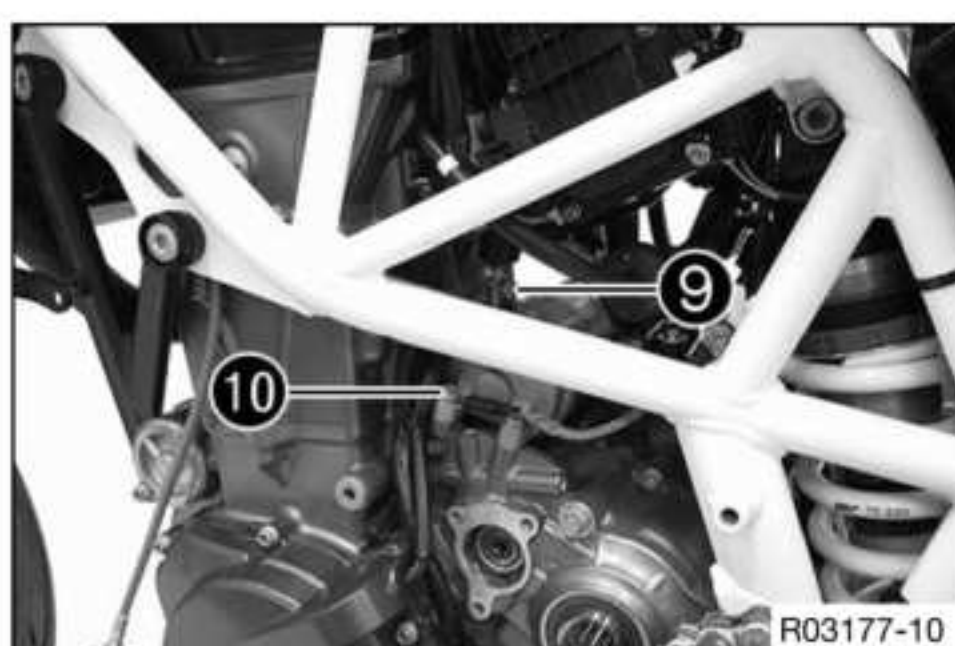
- Remove screws 8.
- Take off the clutch slave cylinder with the gasket and hang it to the side.



Info

Do not kink the clutch line.

Do not activate the clutch lever while the slave cylinder of the clutch is removed.



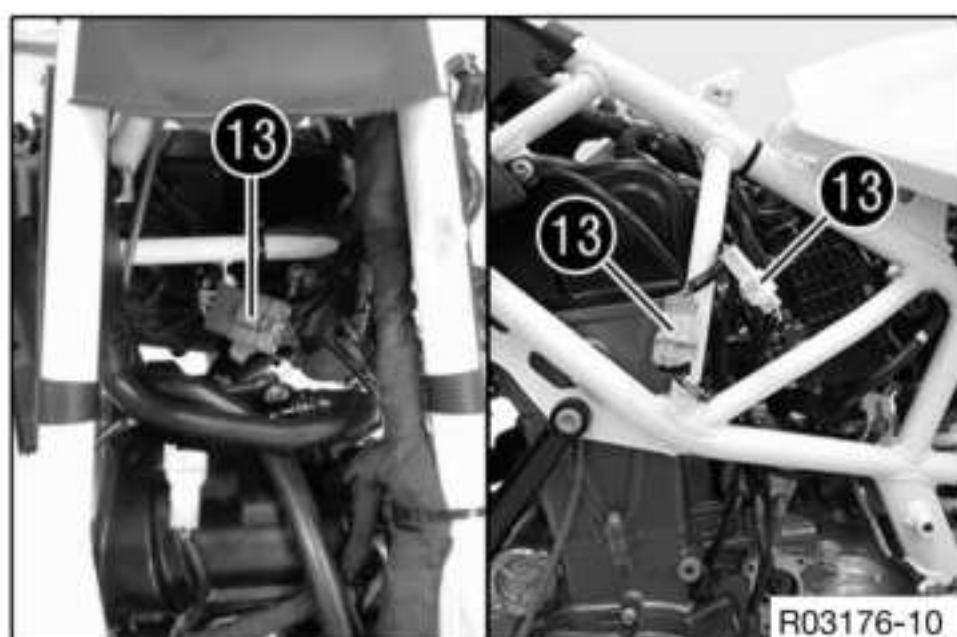
- Pull back the protection cap. Remove screw 9.
- Remove screw 10.



- Pull off hose 11 on the cylinder head.



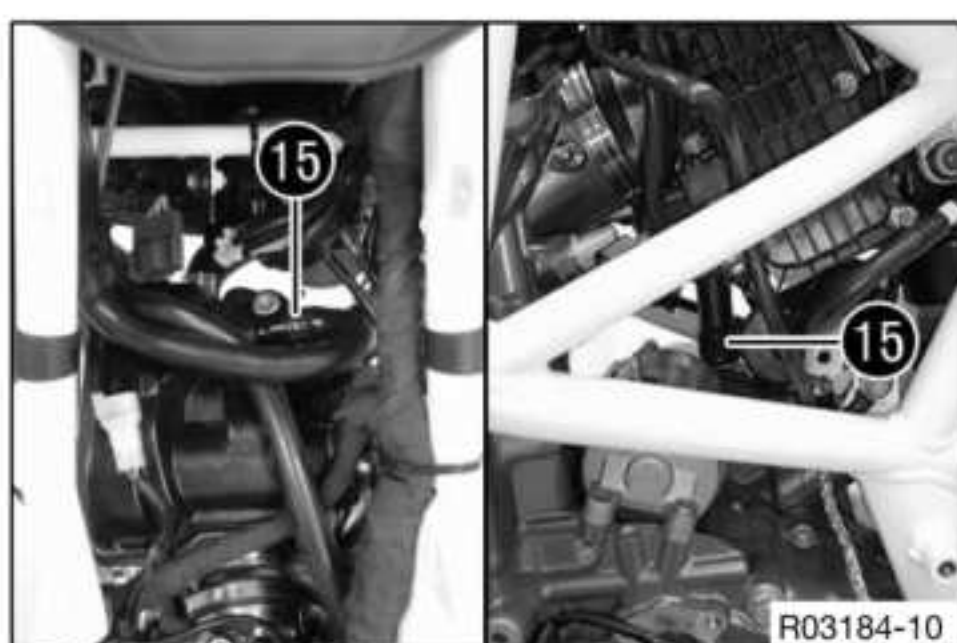
- Loosen hose clip 12.
- Pull off the throttle valve body to the rear.



- Disconnect plug-in connectors 13 of the gear position sensor, crankshaft speed sensor, and alternator.



- Disconnect connector of the coolant temperature sensor 14.

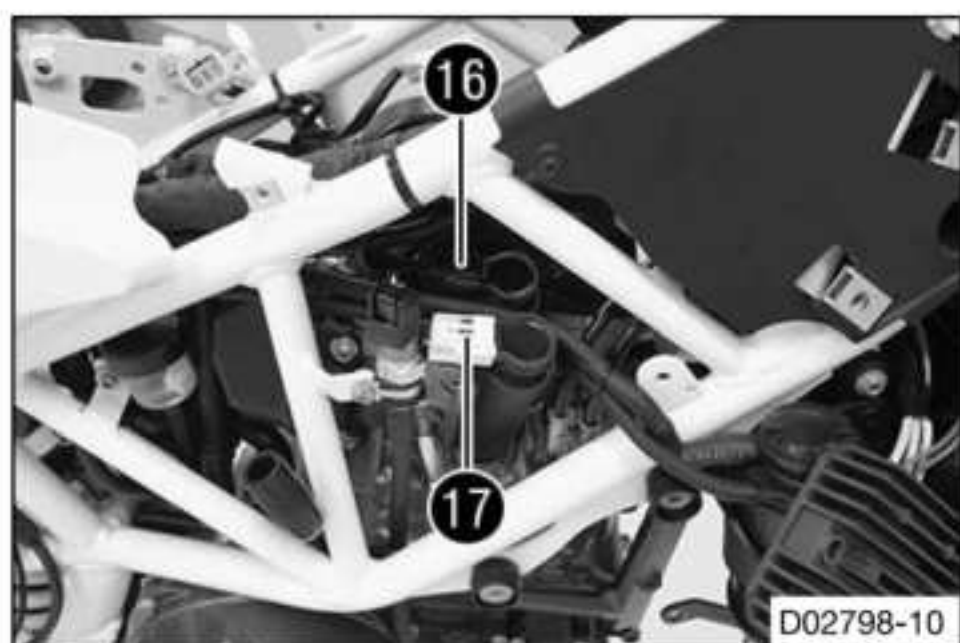


- Loosen the spring band clamps 15 using the special tool.

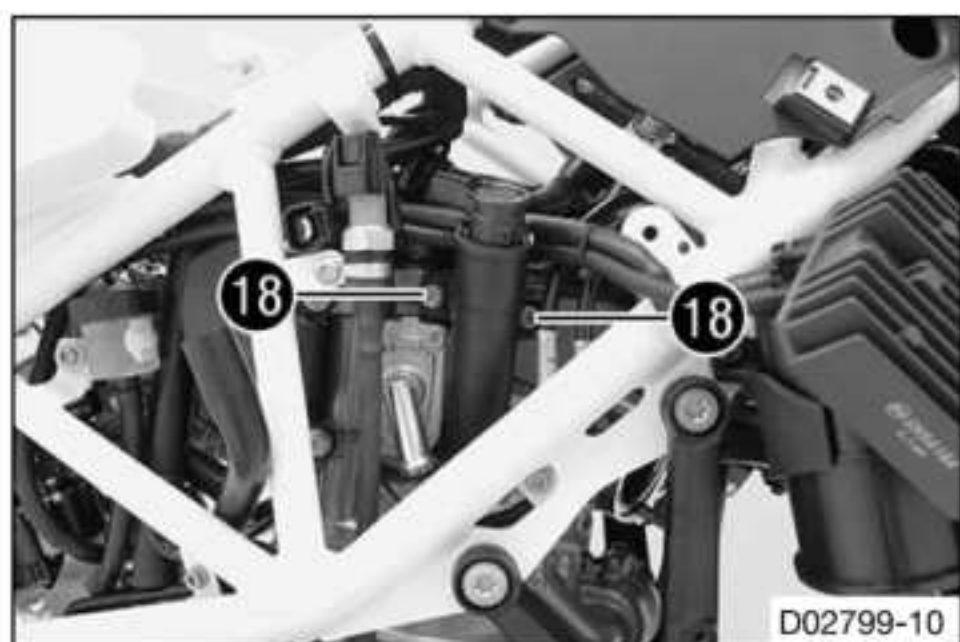
Spring band clamps plier (60029057100) (p. 385)



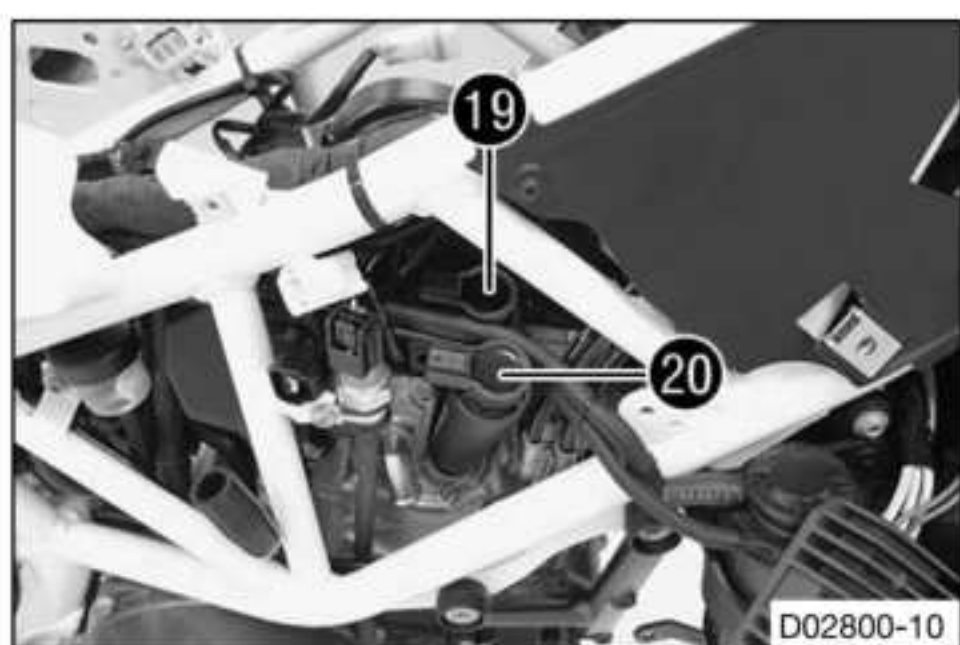
- Remove the cable tie.
- Pull off the hose.



- Unplug connectors 16 and 17 of the ignition coils.



- Remove screws 18.



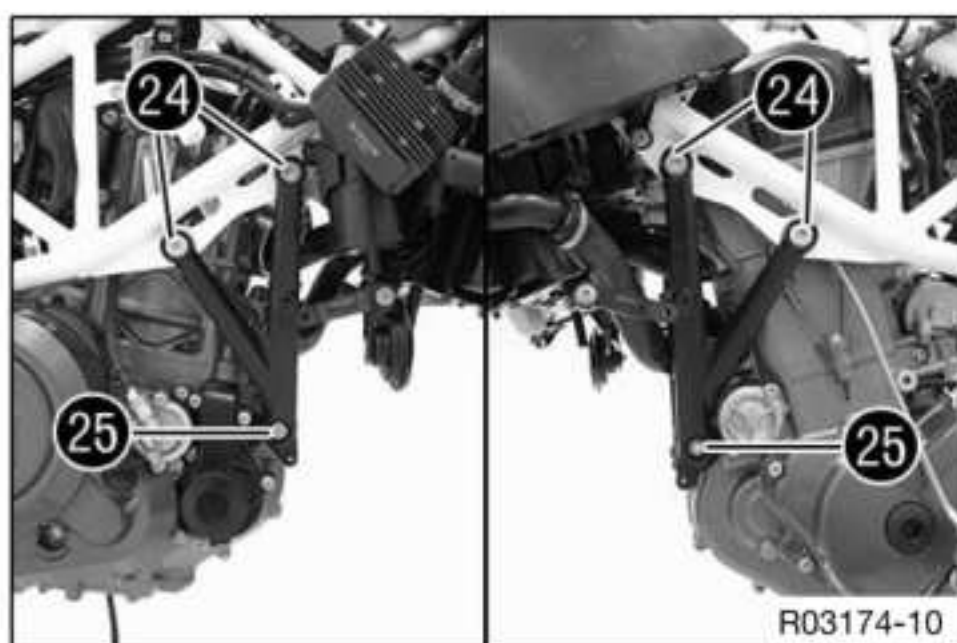
- Pull the spark plug shaft lightly to the side.
- Remove ignition coils 19 and 20.



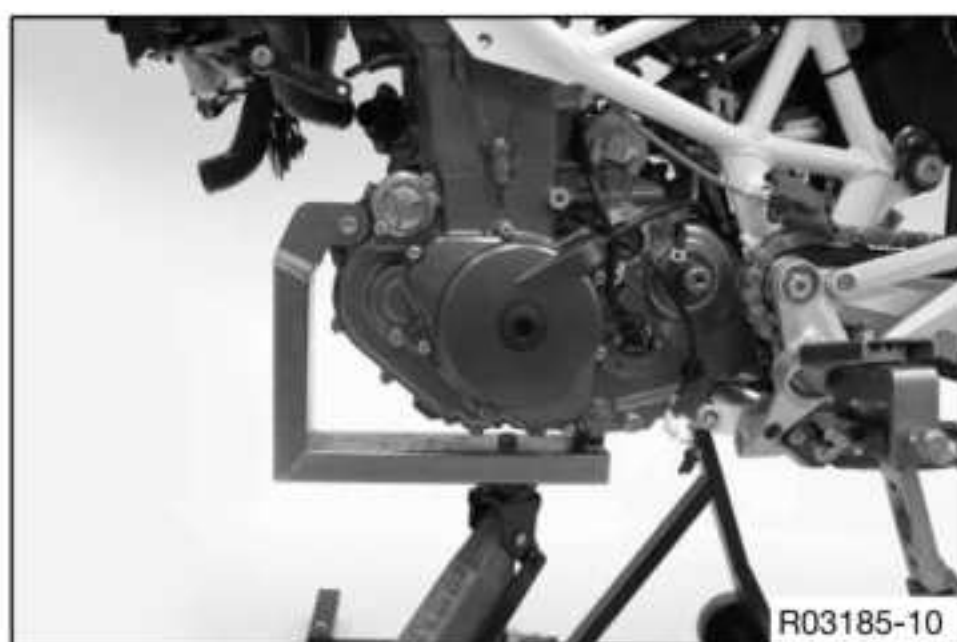
- Remove spark plug shaft 21.



- Unplug connector 22 of the oil pressure sensor. Remove screw 23.

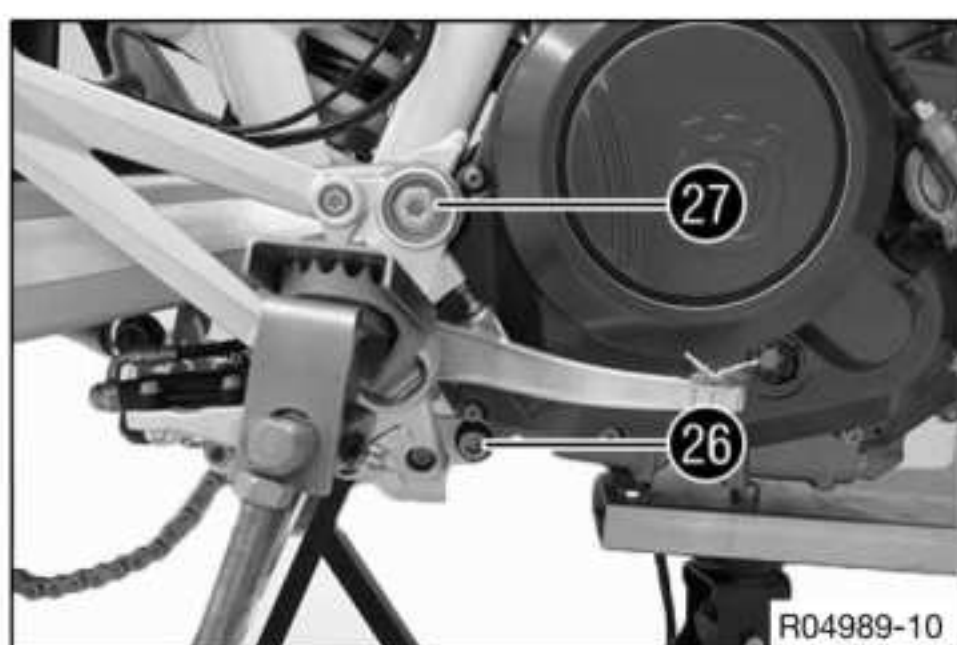


- Remove screws 24.
- Remove fitting 25.
- Take off the engine bearer.



- Position the floor jack under the engine and secure using the special tool.

Floor jack attachment (75029055000) (p. 389)



- Remove fitting 26 of the lower engine mounting bracket.
- Remove screw 27.
- Pull the fork pivot out far enough to release the engine.



- Lower the engine.

i Info

The help of an assistant is useful in this step. Make sure that the engine is sufficiently secured against falling over. Cover the components to protect them against damage.

18.2 Installing the engine

Preparatory work

- Lift the engine onto the special tool and secure it.

Floor jack attachment (75029055000) (p. 389)