



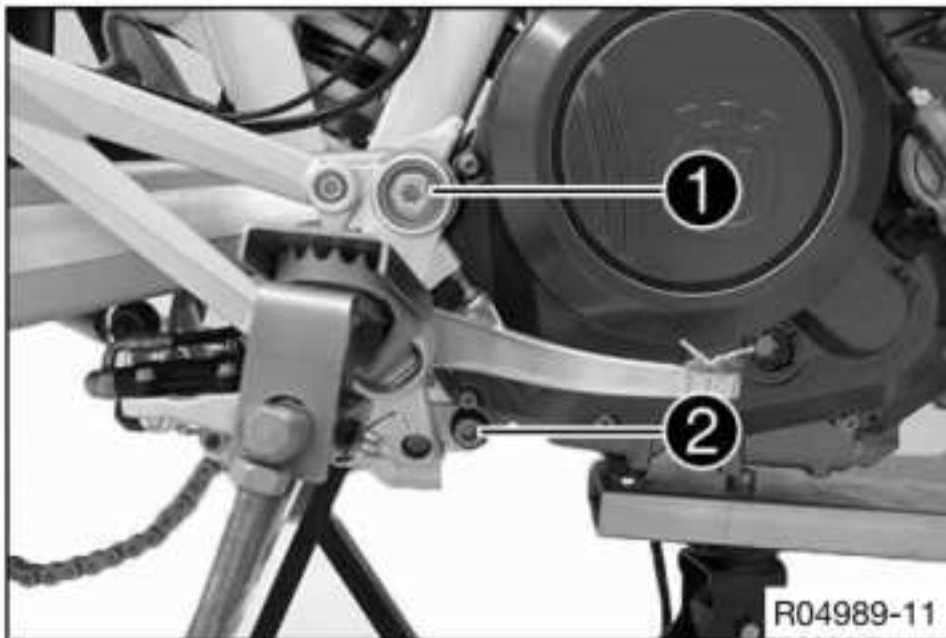
Main work

- Position the engine in the frame.

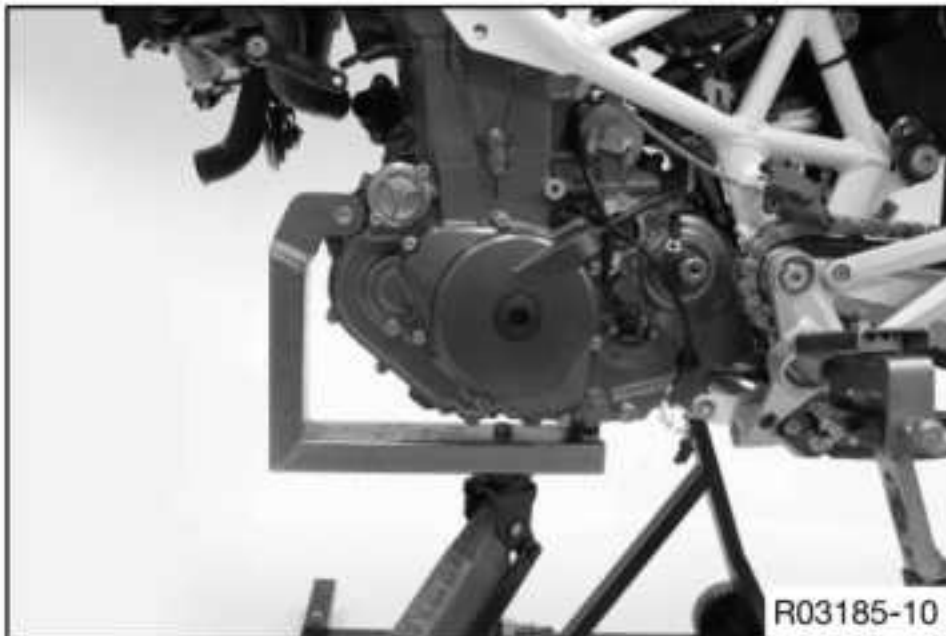


Info

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.

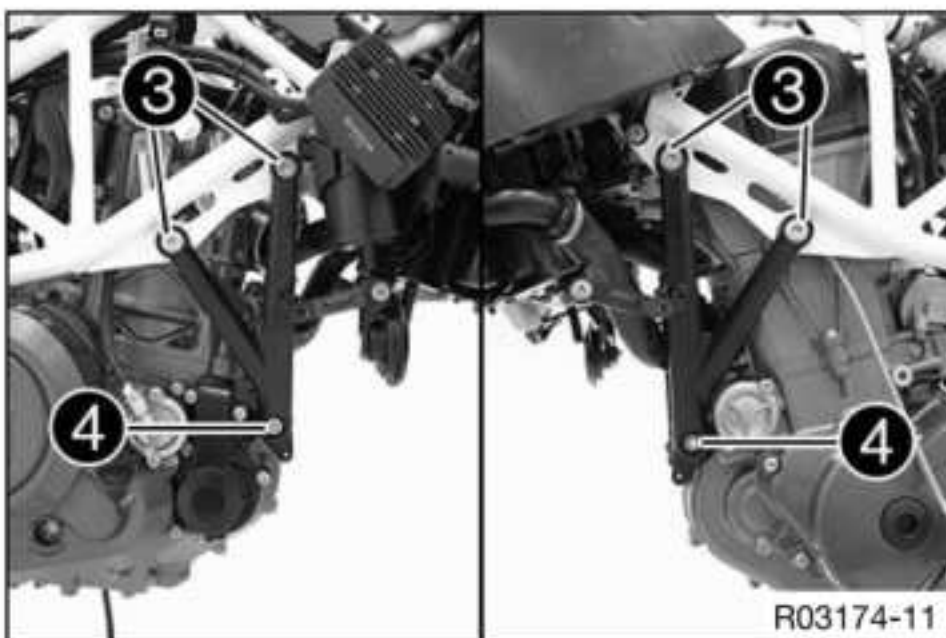


- Mount the fork pivot.
- Mount screw **1** of the fork pivot but do not tighten yet.
- Mount fitting **2** of the lower engine mounting bracket but do not tighten it yet.



- Remove the floor jack with the special tool.

Floor jack attachment (75029055000) (📖 p. 389)



- Position the engine bearer.
- Mount and tighten screws **3**.

Guideline

Screw, engine bearer on frame	M10	45 Nm (33.2 lbf ft)
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- Mount and tighten fitting **4**.

Guideline

Engine carrying screw	M10	45 Nm (33.2 lbf ft) Loctite®243™
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- Tighten screw **1** of the fork pivot.

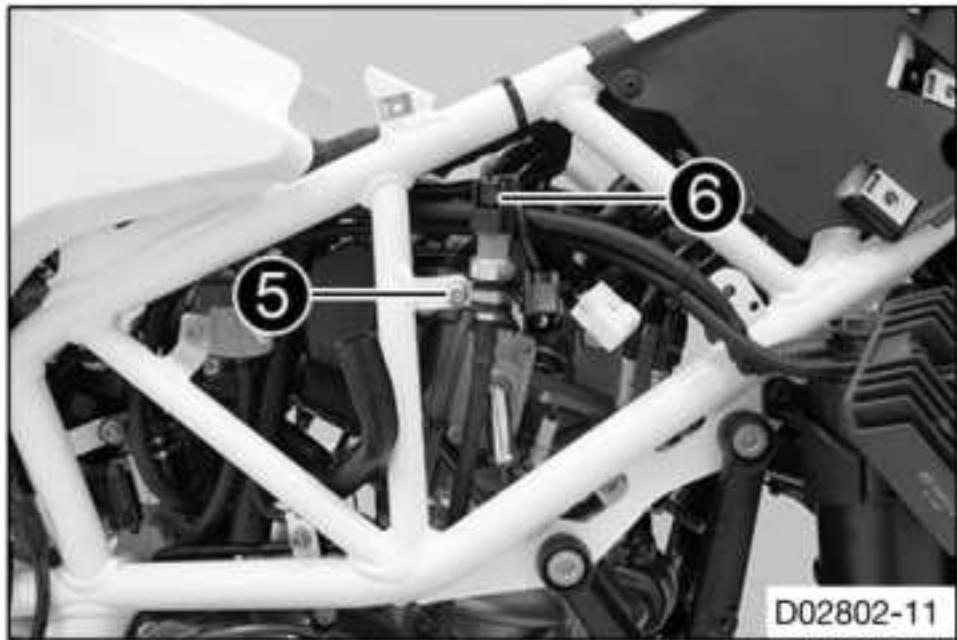
Guideline

Screw, swingarm pivot	M12	80 Nm (59 lbf ft)
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- Tighten fitting **2** of the lower engine mounting bracket.

Guideline

Engine carrying screw	M10	45 Nm (33.2 lbf ft) Loctite®243™
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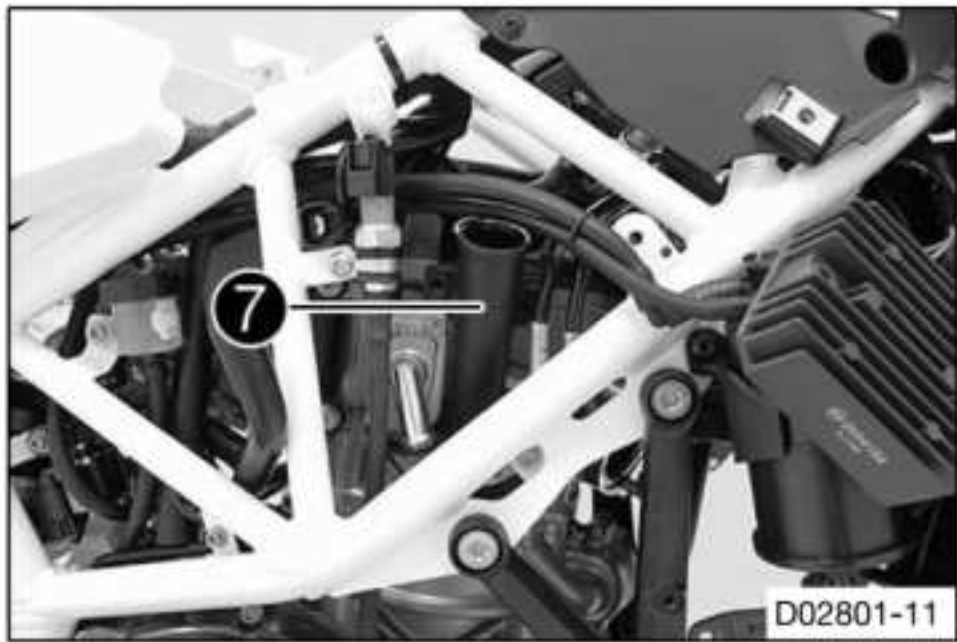


- Position the clamp of the oil line. Mount and tighten screw 5.

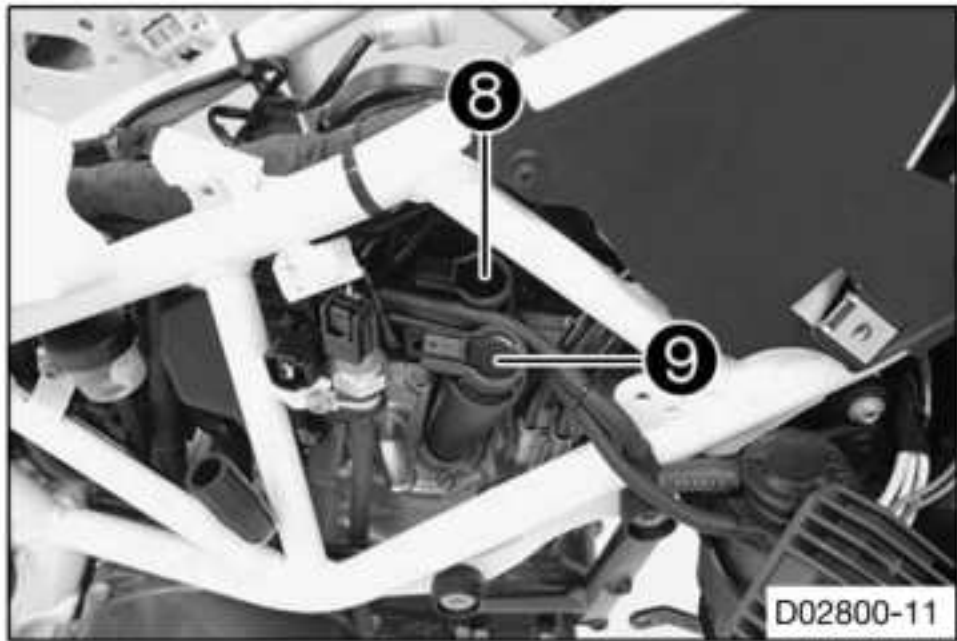
Guideline

Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)
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- Plug in connector 6.



- Position spark plug shaft 7.

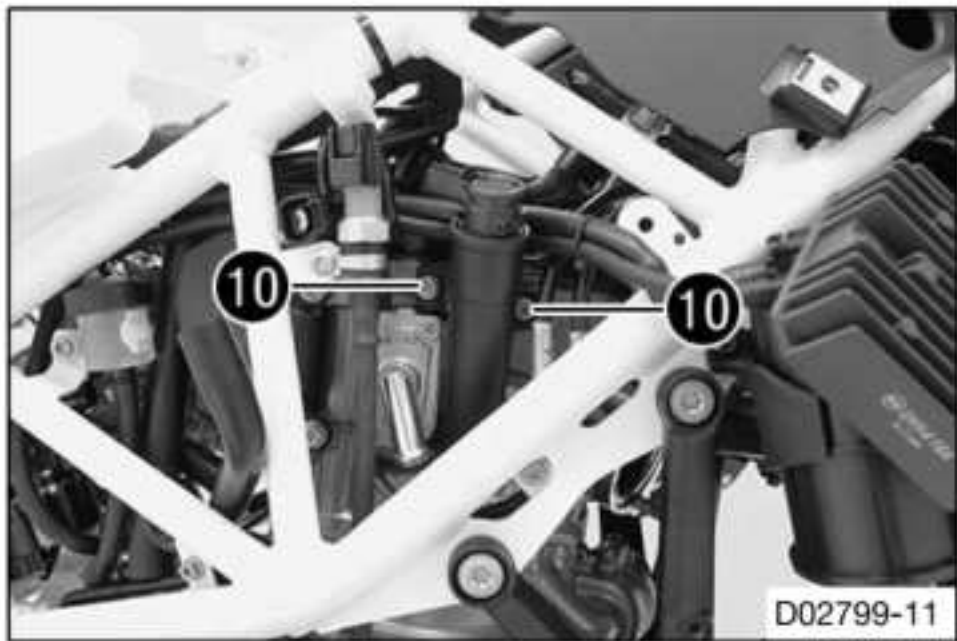


- Position ignition coils 8 and 9.



Info

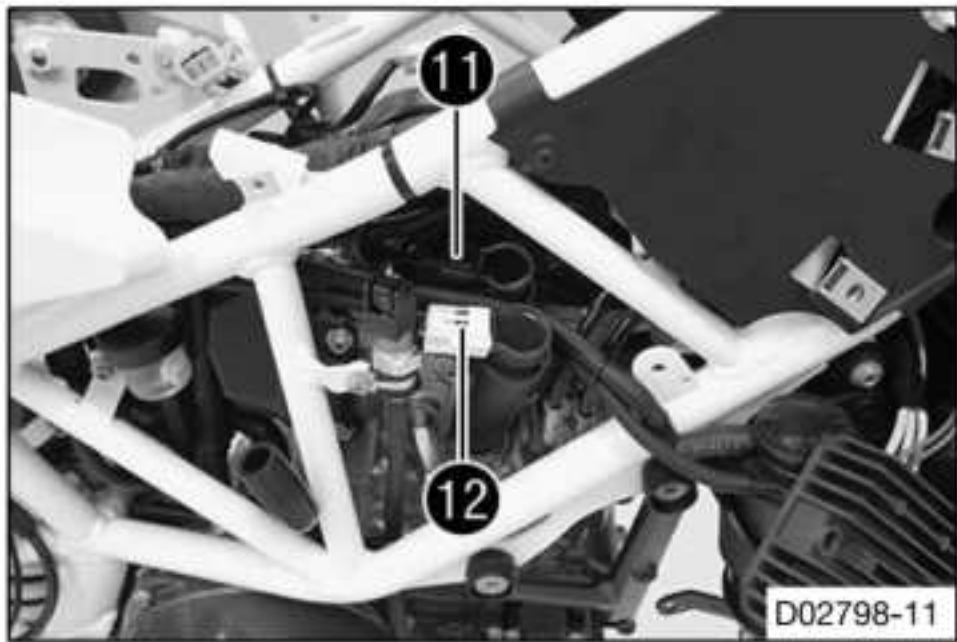
Ensure that the ignition coils are seated correctly.



- Mount and tighten screws 10.

Guideline

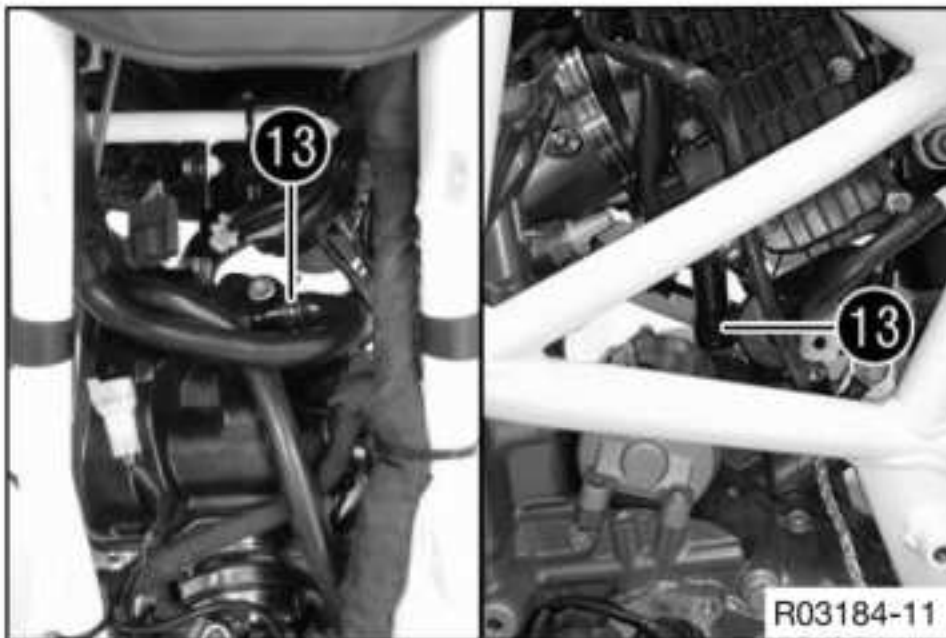
Screw, ignition coil	M6	10 Nm (7.4 lbf ft)
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- Plug in connectors 11 and 12 of the ignition coils.
 - ✓ The cable with the white marking is connected to the outer ignition coil.

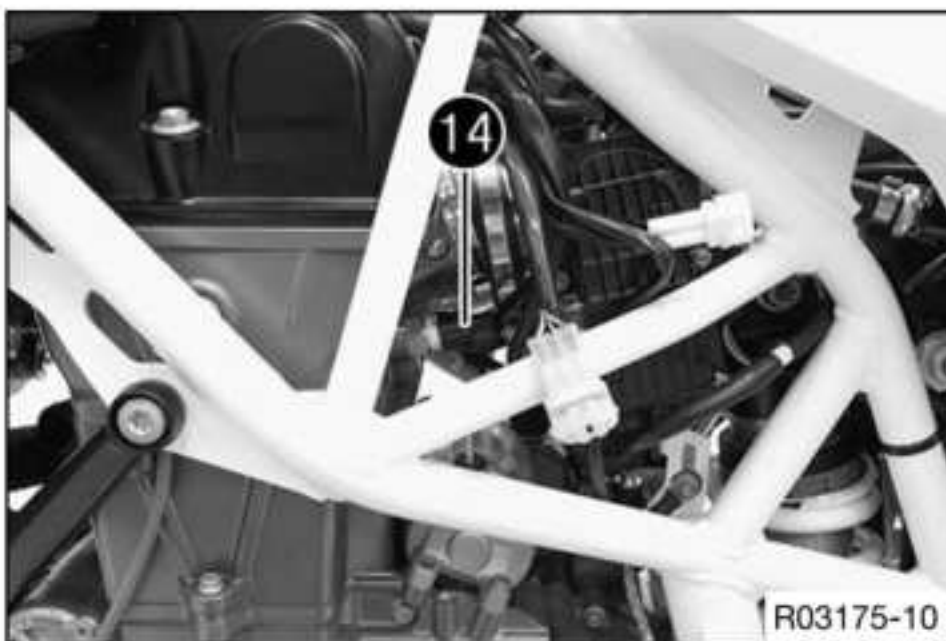


- Mount the hose and secure with cable tie(s).

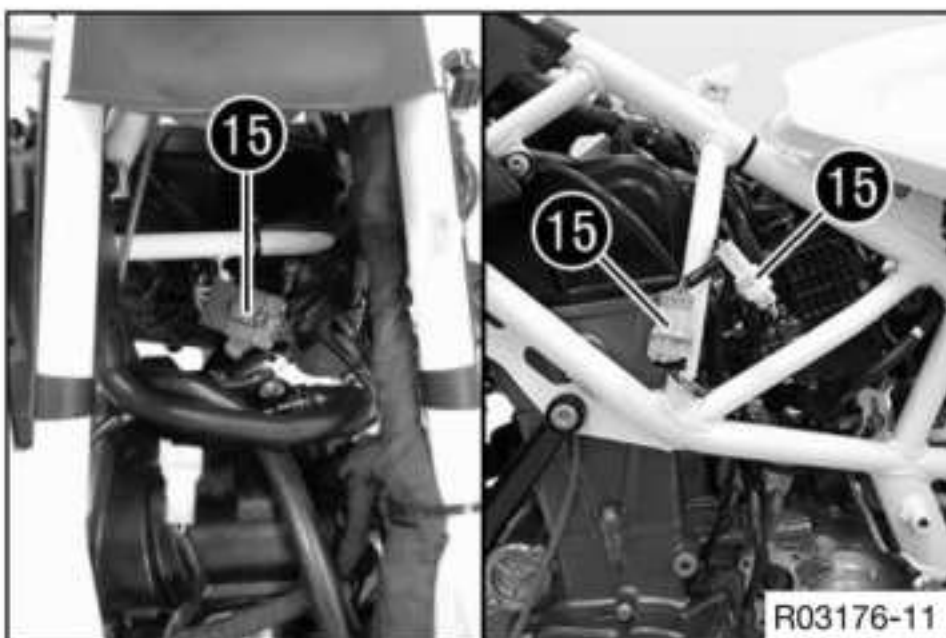


- Position the bleeder hoses.
- Mount the spring band clamps **13** using the special tool.

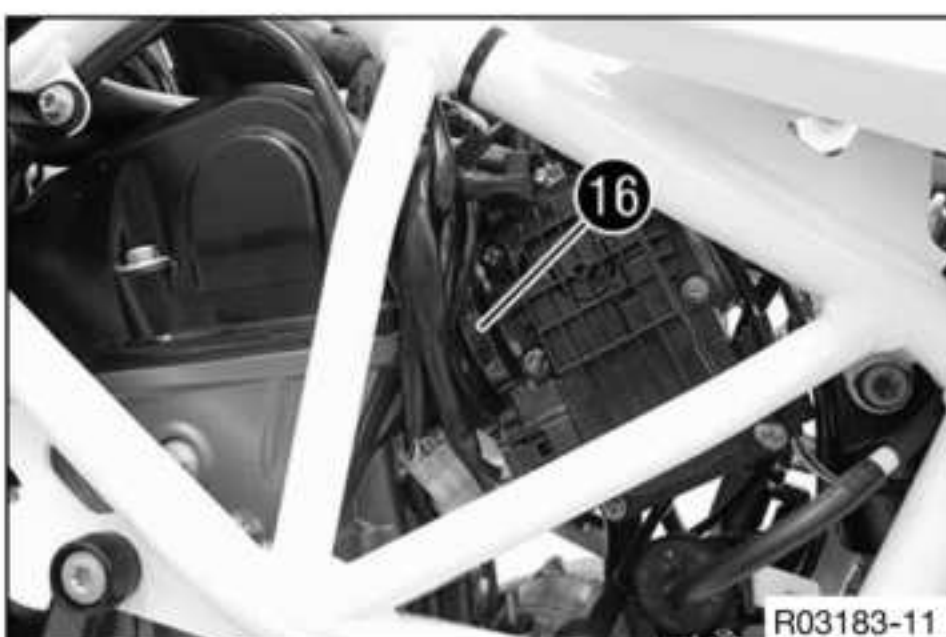
Spring band clamps plier (60029057100) (p. 385)



- Plug in connector of the coolant temperature sensor **14**.



- Join plug-in connectors **15** of the gear position sensor, crankshaft speed sensor, and alternator.



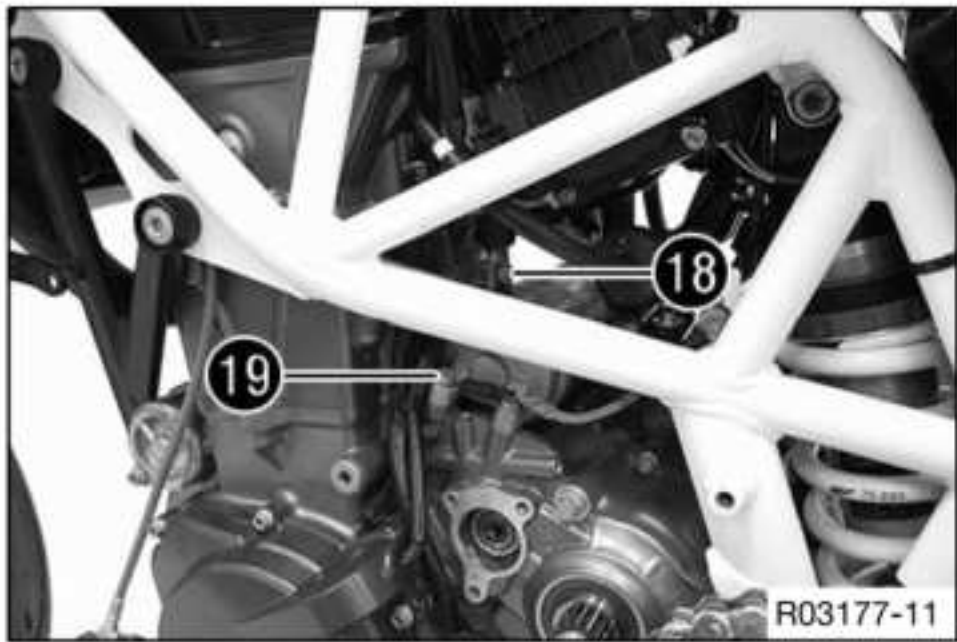
- Position the throttle valve body.
- Position and tighten hose clip **16**.

Guideline

Hose clamp, intake flange	M4	2.5 Nm (1.84 lbf ft)
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- Position hose 17 on the cylinder head.



- Position the electrical connection on the starter motor. Mount and tighten screw 18. Mount the protection cap.

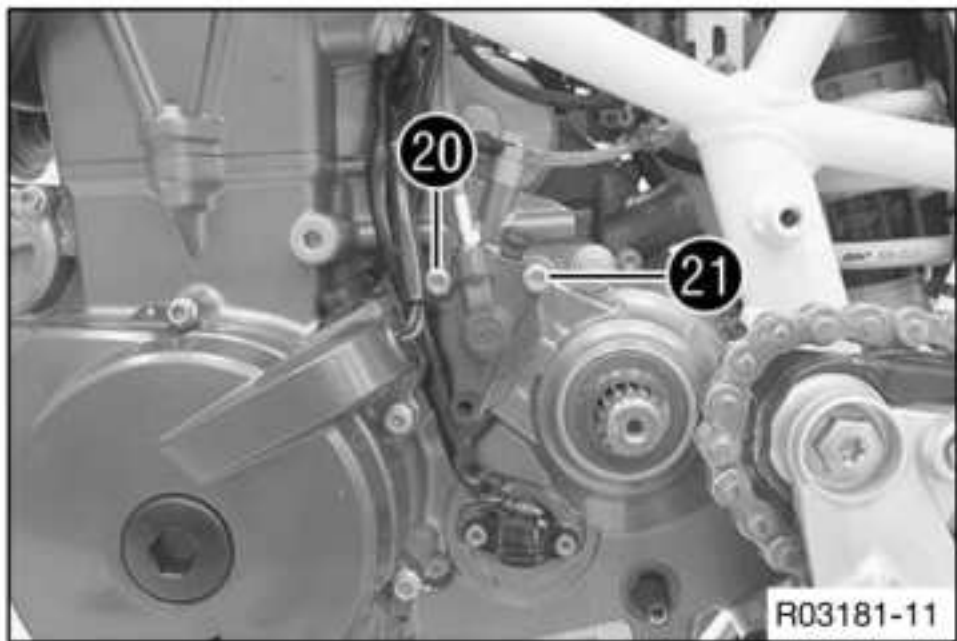
Guideline

Screw, cable on starter motor	M5	3 Nm (2.2 lbf ft)
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- Position the ground wire on the starter motor. Mount and tighten screw 19.

Guideline

Screw, starter motor	M6	10 Nm (7.4 lbf ft) Loctite® 243™
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- Position clutch slave cylinder.
- Mount and tighten screw 20.

Guideline

Screw, clutch slave cylinder	M6x20	10 Nm (7.4 lbf ft) Loctite® 243™
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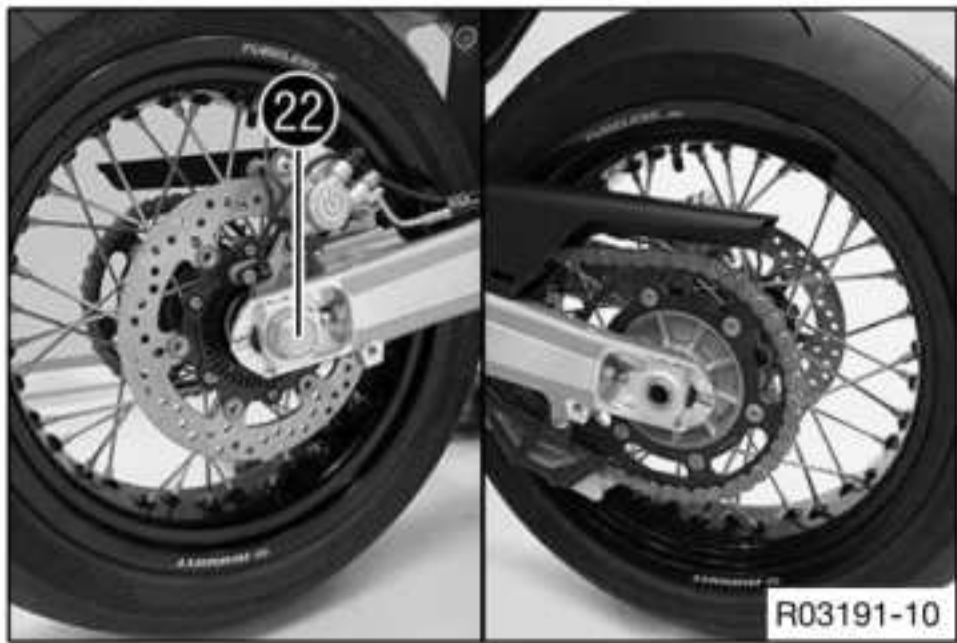
- Mount and tighten screw 21.

Guideline

Screw, clutch slave cylinder	M6x20	10 Nm (7.4 lbf ft)
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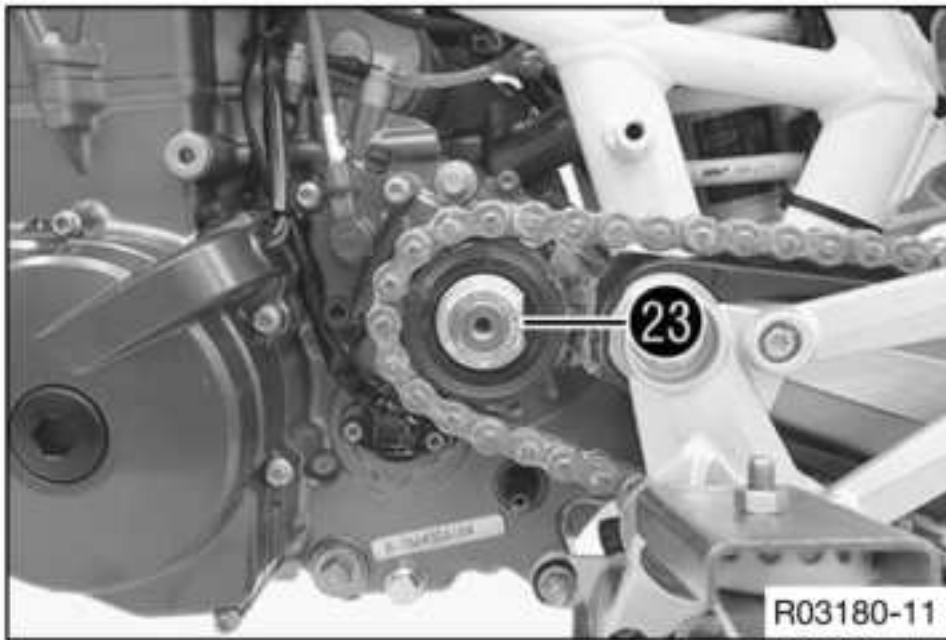
- Route the cable without tension and secure with cable ties.



- Mount the engine sprocket with the chain.
- Position the new lock washer and mount nut but do not tighten yet.
- Position the rear wheel.
- Mount the chain adjuster and nut.
- Push the rear wheel forward so that the chain adjusters rest against the tensioning screws, and tighten nut 22.

Guideline

Nut, rear wheel spindle	M25x1.5	90 Nm (66.4 lbf ft)
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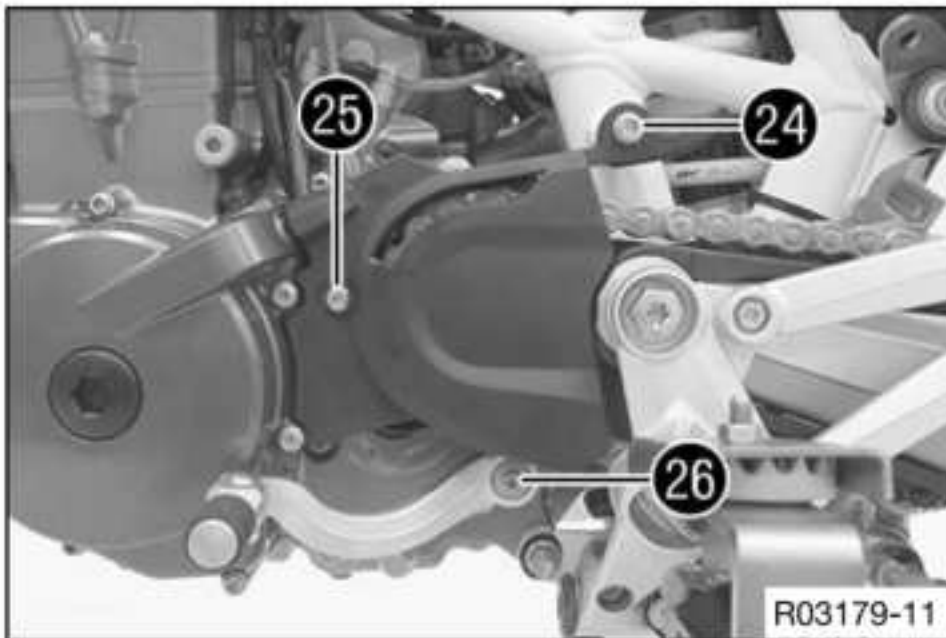


- Have an assistant operate the rear brake.
- Tighten the nut.

Guideline

Nut, engine sprocket	M20x1.5	80 Nm (59 lbf ft) Loctite®243™
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- Secure the nut with new lock washer (23).



- Position the engine sprocket cover.
- Mount and tighten screw (24).

Guideline

Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)
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- Mount and tighten screw (25).

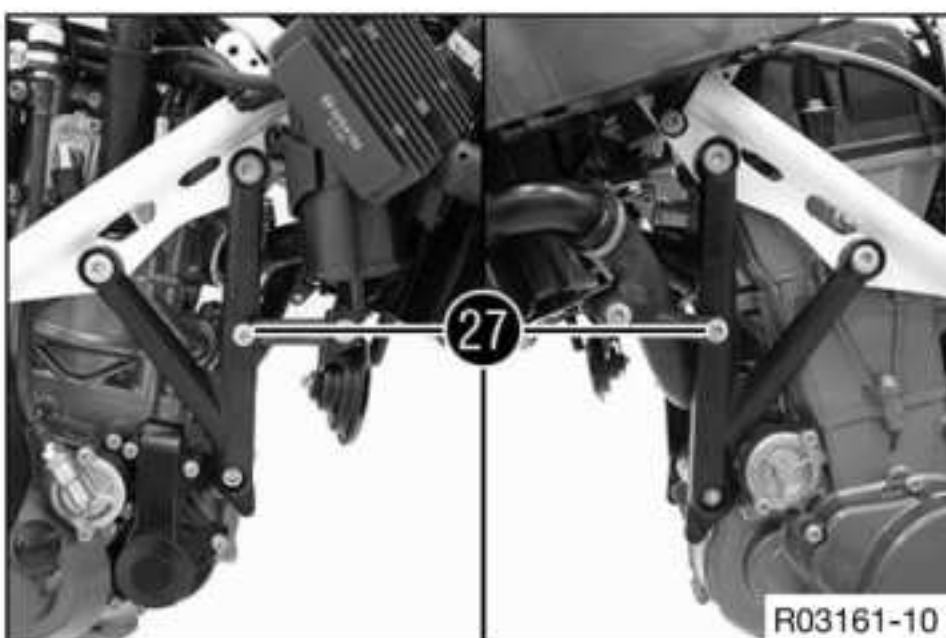
Guideline

Screw, clutch slave cylinder	M6x40	10 Nm (7.4 lbf ft) Loctite®243™
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- Position the shift lever.
- Mount and tighten screw (26) with washers.

Guideline

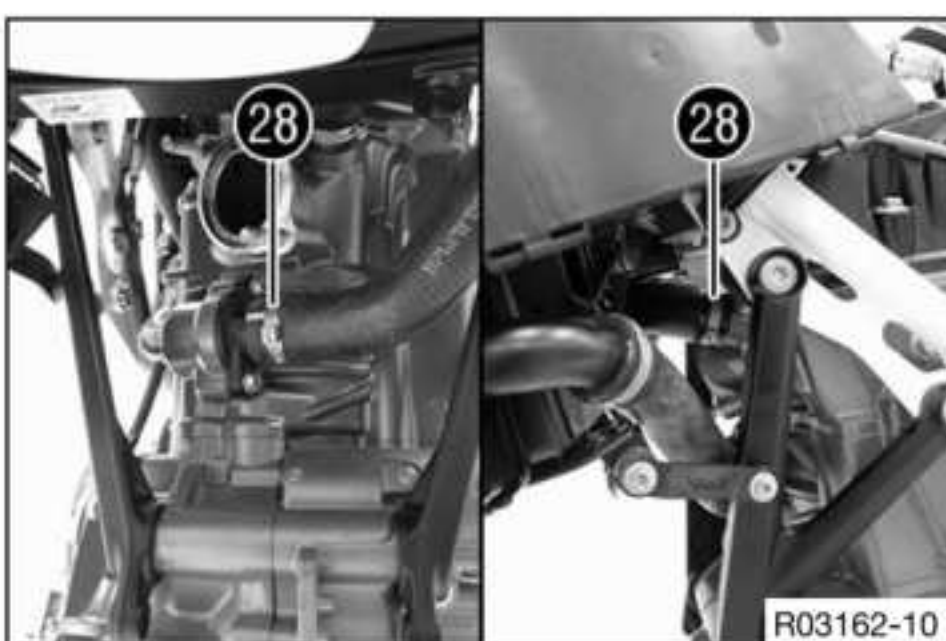
Screw, shift lever	M6	14 Nm (10.3 lbf ft) Loctite®243™
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- Mount and tighten screws (27).

Guideline

Screw, upper radiator bracket	M6	10 Nm (7.4 lbf ft)
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- Position the radiator hoses. Mount hose clips (28).
- Install the manifold. (📖 p. 83)
- Connect the 12-V battery. (📖 p. 142)



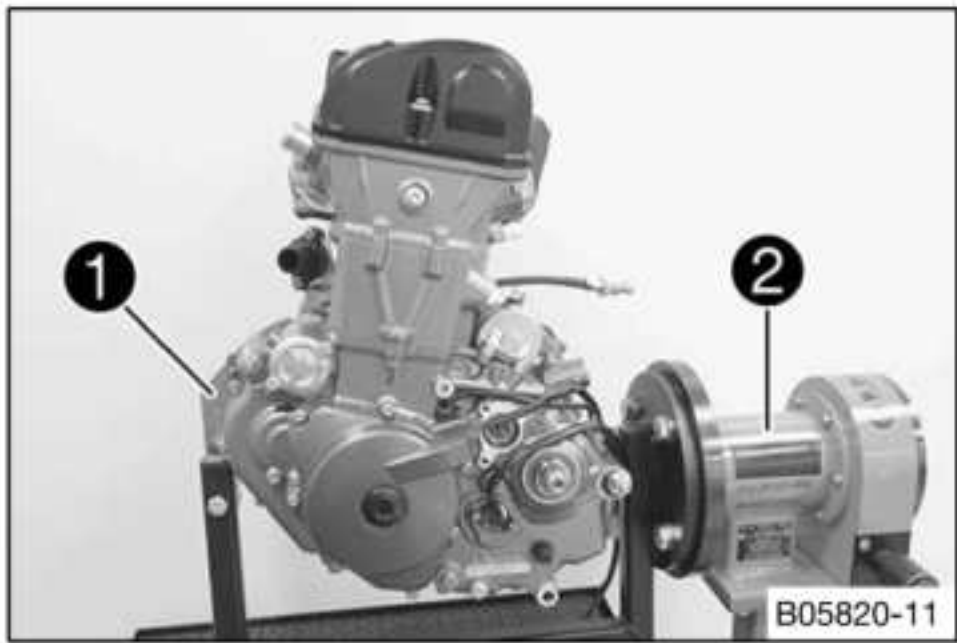
- Remove filler plug 29 with the O-ring, and fill up with engine oil.
- | | | |
|------------|------------------|----------------------------------|
| Engine oil | 1.70 l (1.8 qt.) | Engine oil (SAE 10W/50) (p. 376) |
|------------|------------------|----------------------------------|
- Mount and tighten oil filler plug 29 with the O-ring.

Finishing work

- Fill/bleed the cooling system. (p. 282)
- Install the air filter box. (p. 89)
- Mount the side cover. (p. 94)
- Mount the seat. (p. 93)
- Remove the motorcycle from the work stand. (p. 15)
- Perform the initialization run. (p. 311)
- Go for a short test ride.
- Read out the fault memory using the Husqvarna Motorcycles diagnostics tool.
- Check the engine for leak tightness.
- Check the engine oil level. (p. 290)
- Check the coolant level. (p. 284)

18.3 Engine disassembly

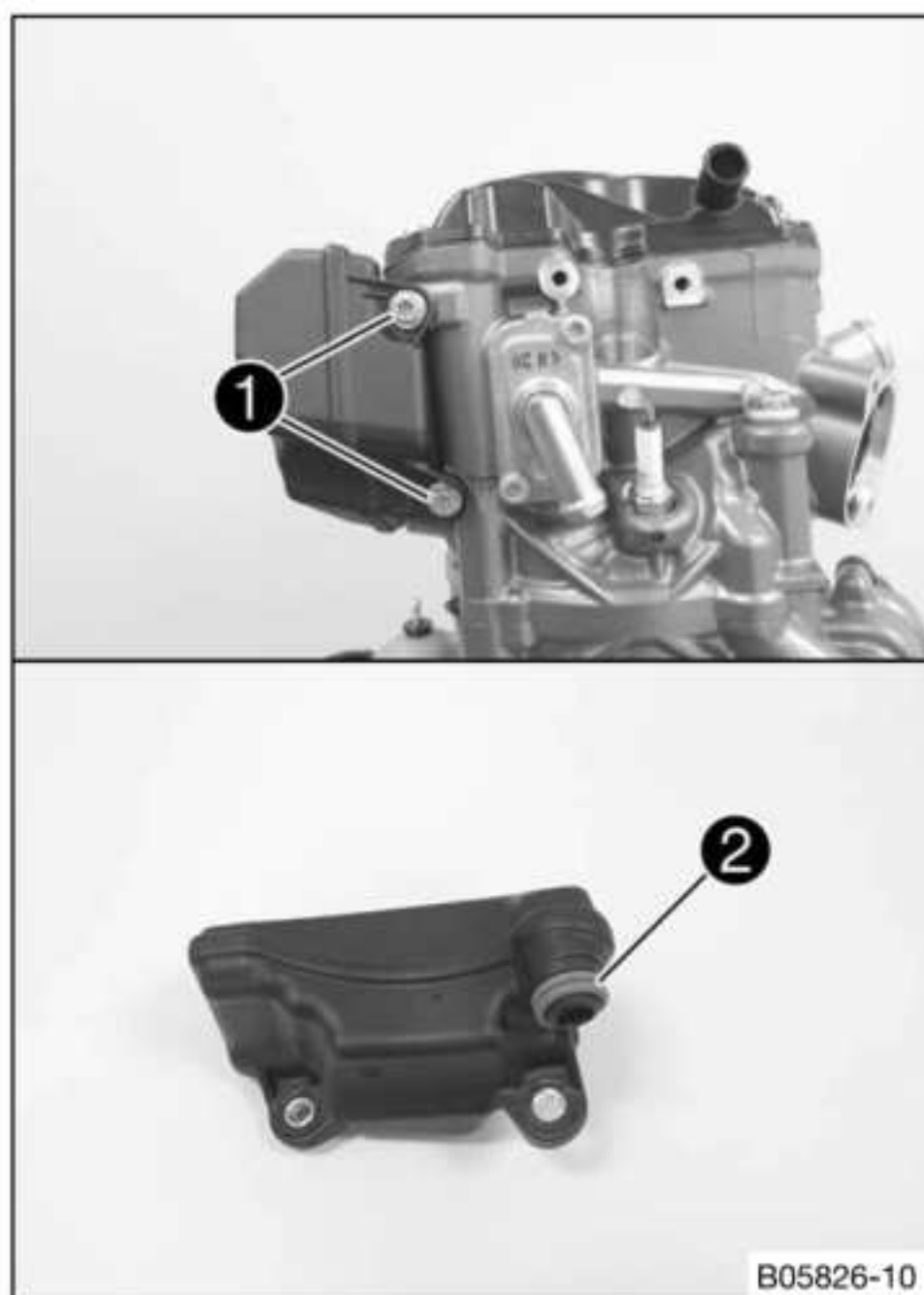
18.3.1 Clamping the engine into the engine assembly stand



- Mount special tool 1 on engine assembly stand 2.
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| Engine assembly stand (80329001000) (p. 393) |
| Fitting for work stand (75012001060) (p. 387) |
| Holder for engine motor stand (75012001070) (p. 387) |
- Mount the motor on special tool 1.

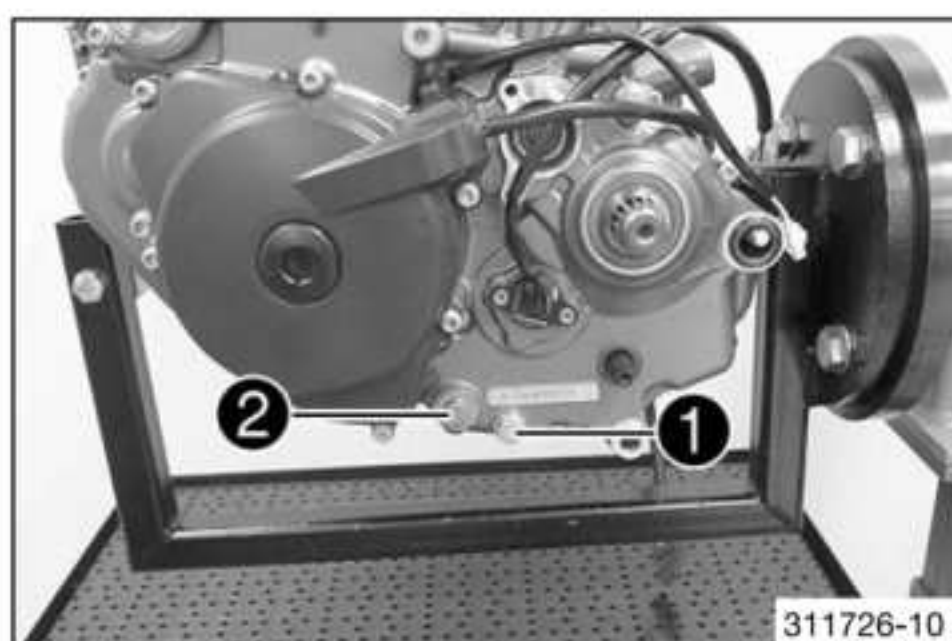
i Info
Work with an assistant or a motorized hoist.

18.3.2 Removing the resonator

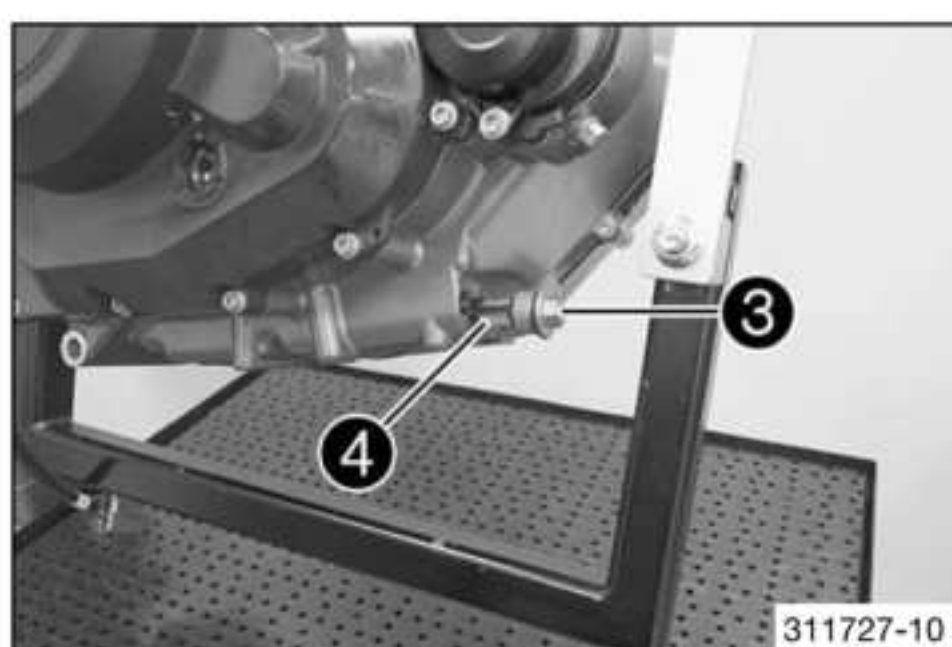


- Remove screws ①.
- Take off resonator with O-rings ②.

18.3.3 Draining the engine oil

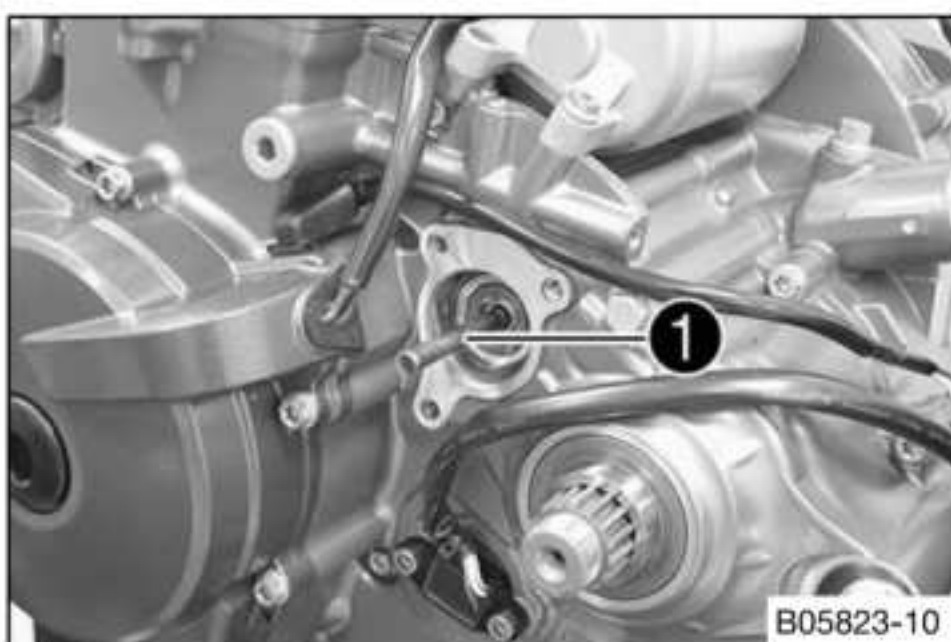


- Remove the oil drain plug ① with the magnet and seal ring.
- Remove plug ② with oil screen and the O-rings.



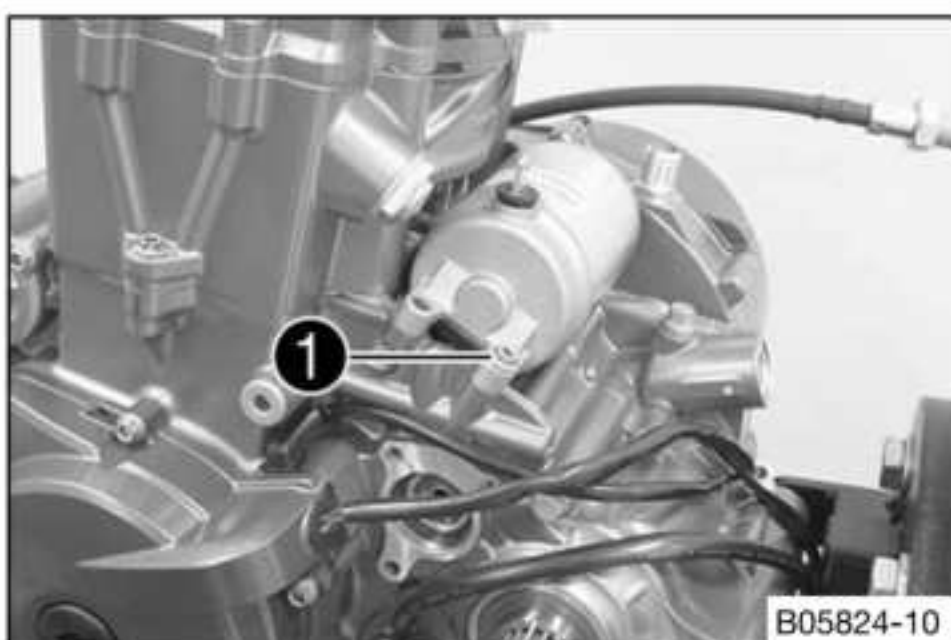
- Remove plug ③ with oil screen ④ and the O-rings.
- Completely drain the engine oil.

18.3.4 Removing the clutch push rod



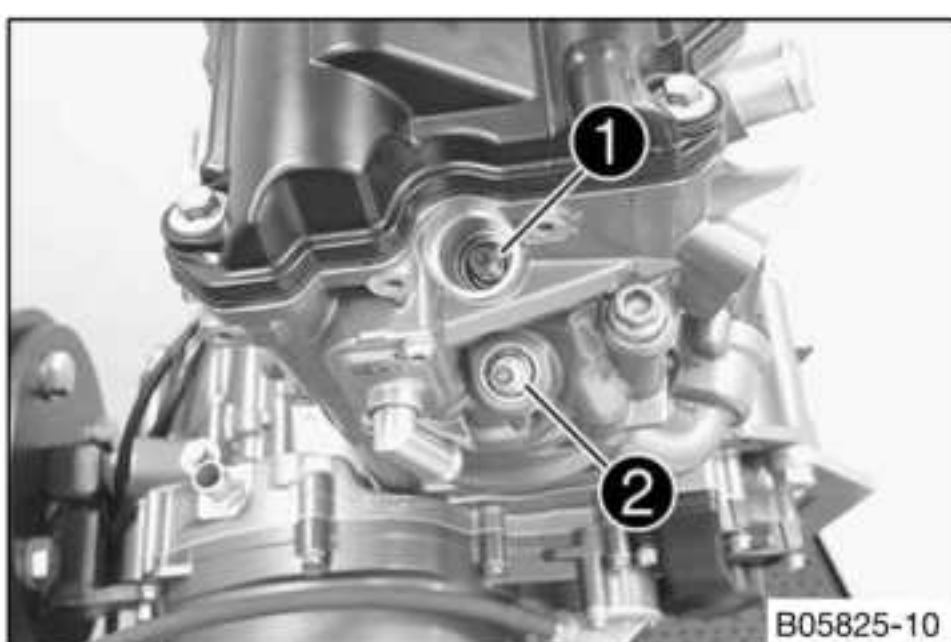
- Remove clutch push rod **1**.

18.3.5 Removing the starter motor



- Remove screw **1**.
- Take off the starter motor.

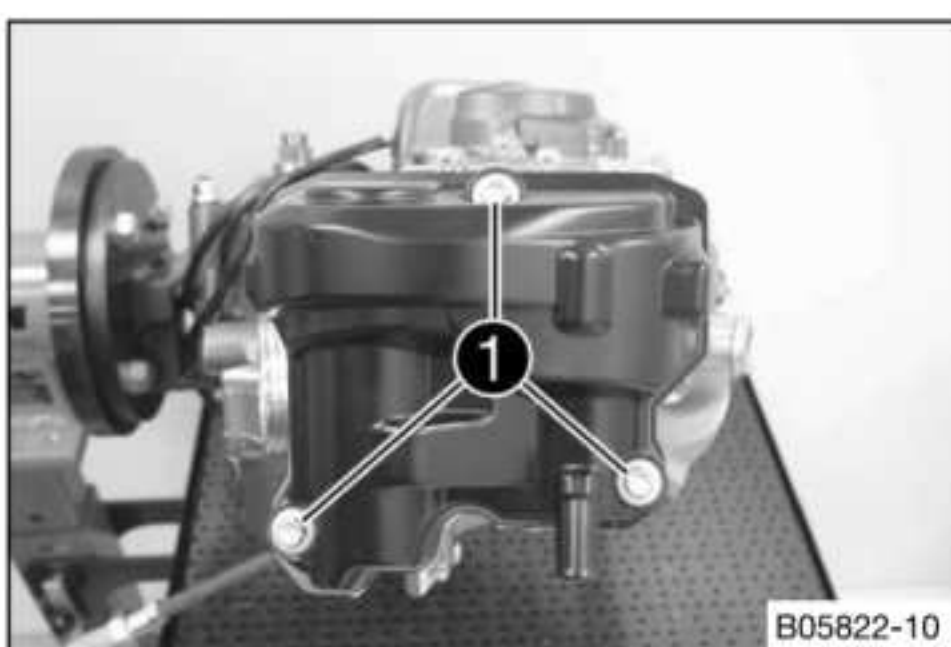
18.3.6 Removing the spark plugs



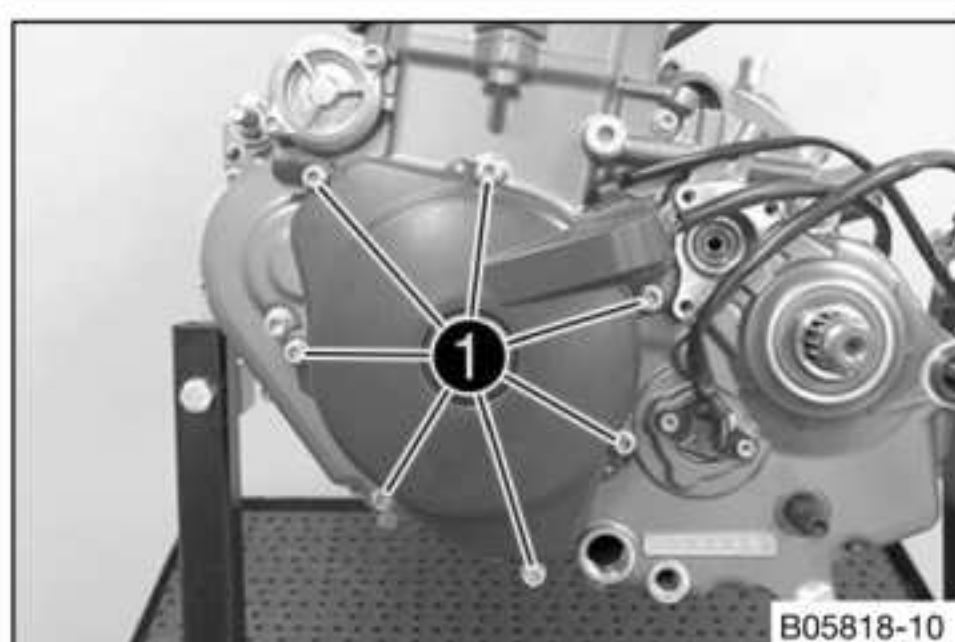
- Remove spark plugs **1** and **2**.

Spark plug wrench (75029172000) (📖 p. 391)

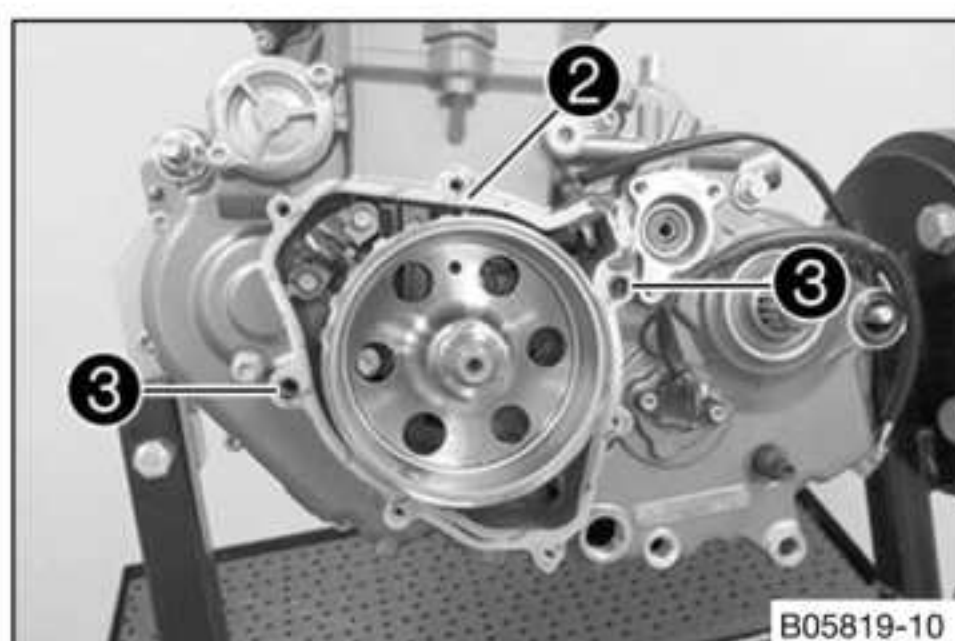
18.3.7 Removing the valve cover



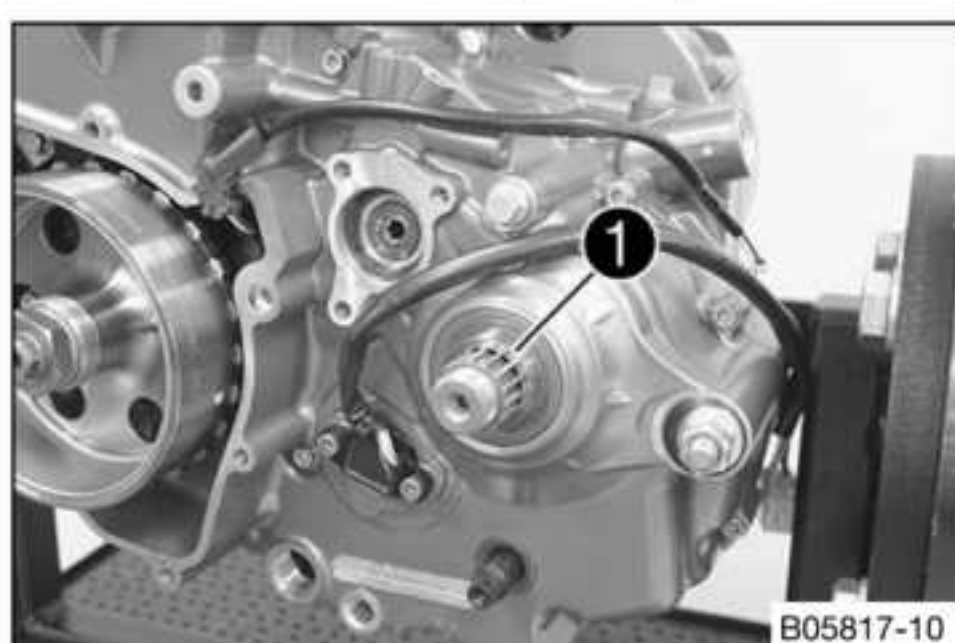
- Remove screws **1**.
- Take off the valve cover with the valve cover seal.

18.3.8 Removing the alternator cover

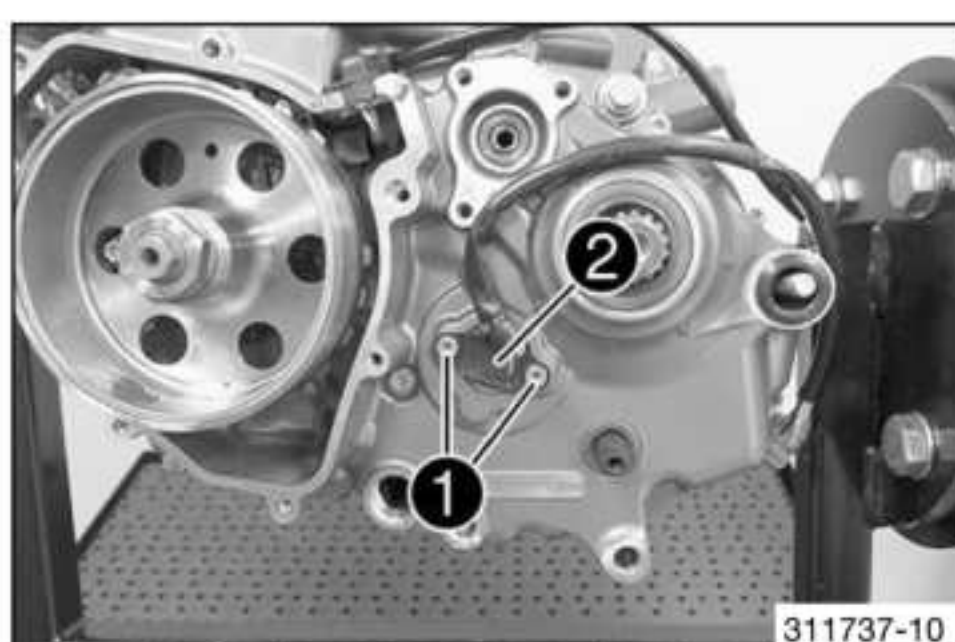
- Remove screws ①.
- Take off the alternator cover.



- Take off alternator cover gasket ② and remove dowels ③.

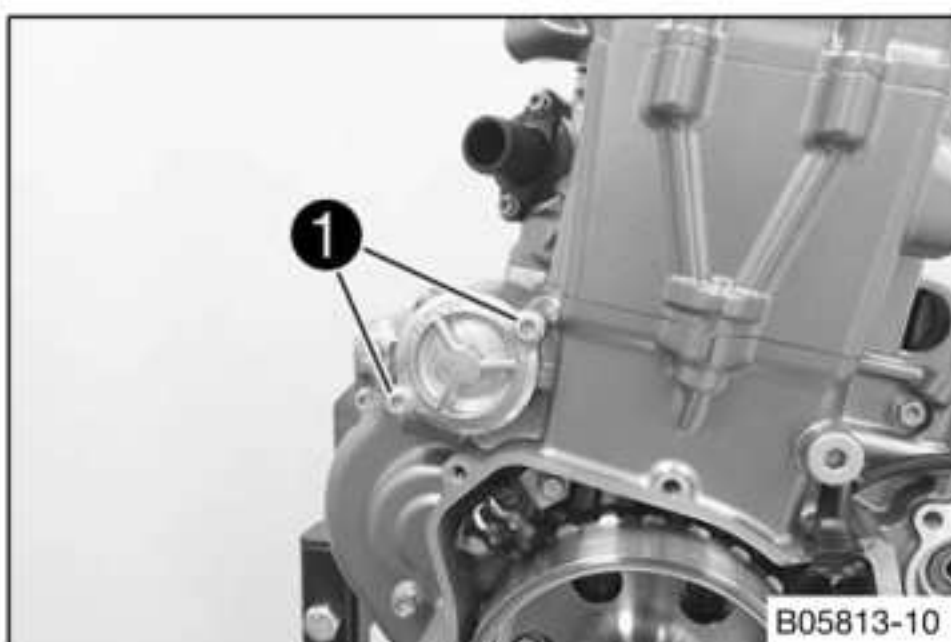
18.3.9 Removing the spacer

- Remove spacer ①.

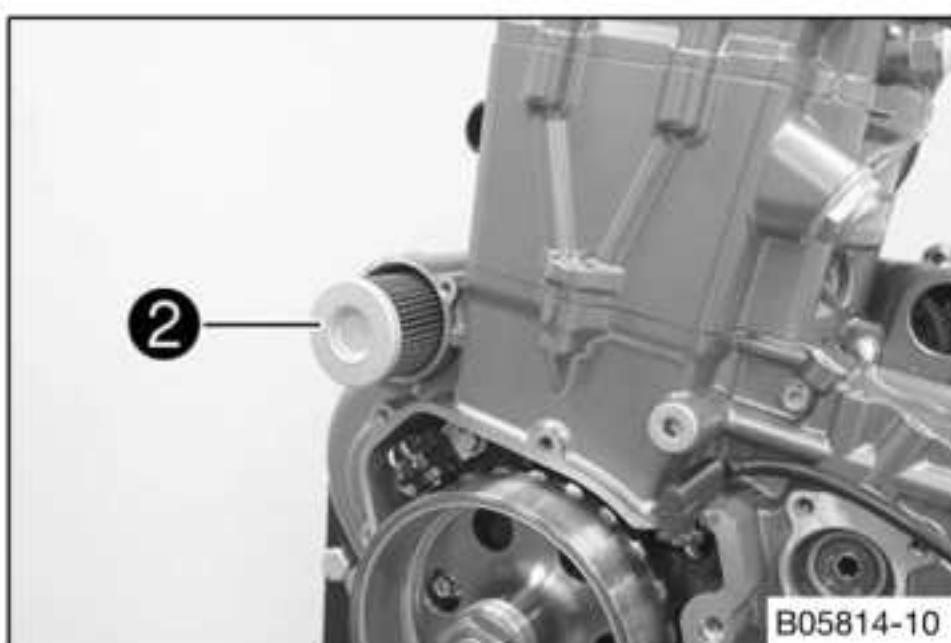
18.3.10 Removing the gear position sensor

- Remove screws ①.
- Take off gear position sensor ②.

18.3.11 Removing the oil filter

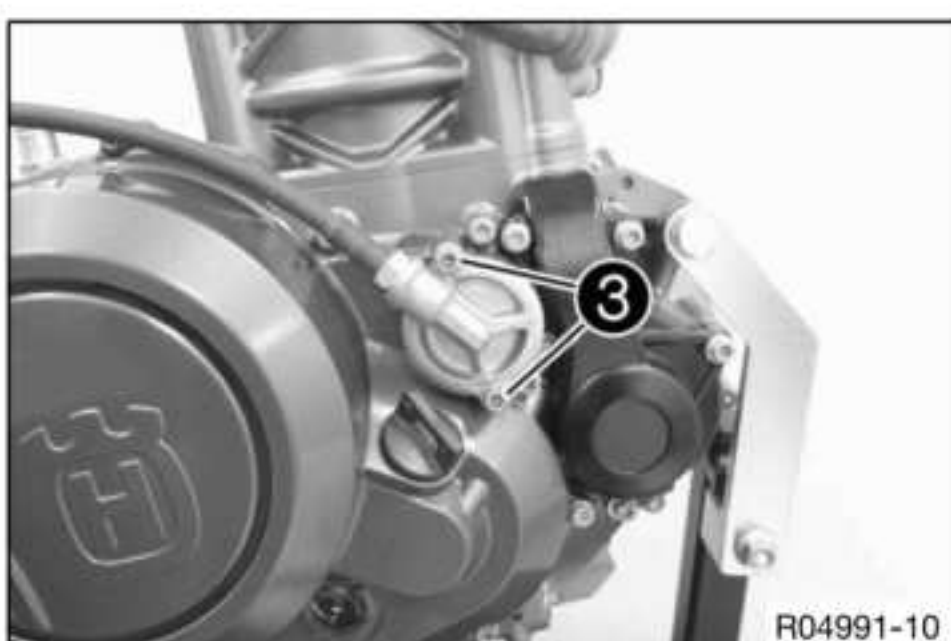


- Remove screws **1**.
- Remove the oil filter cover with the O-ring.

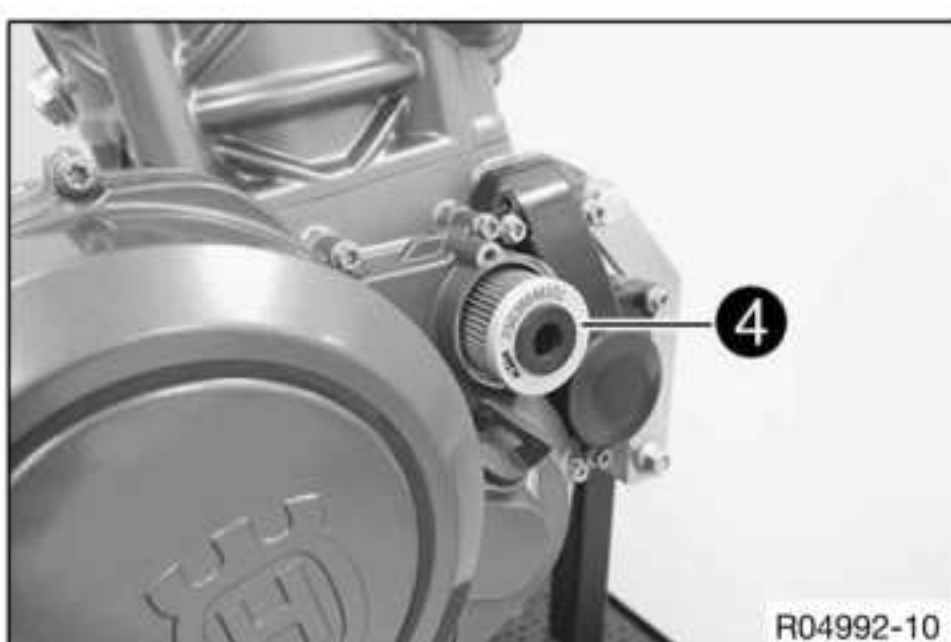


- Remove oil filter **2**.

Lock ring plier (51012011000) (p. 382)



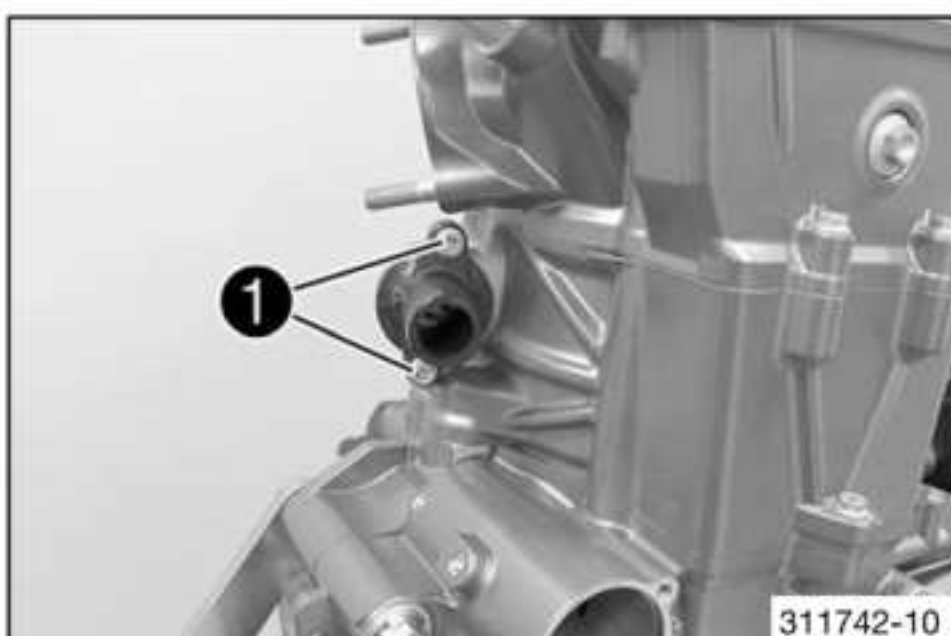
- Remove screws **3**.
- Remove the oil filter cover with the O-ring.



- Remove oil filter **4**.

Lock ring plier (51012011000) (p. 382)

18.3.12 Removing the thermostat



- Remove screws **1**.
- Take off the thermostat case.