



## SIB 11 01 25

SERVICE ACTION: Replace Right Side Chain Tensioner Screw Plug  
2026-02-18

This Service Information Bulletin replaces SIB 11 01 25 Dated Dec 31, 2025

### What's New (Specific text is light blue):

- Repair instructions updated.
- Labor operation times updated

## MODEL

Model	Model Description	Model Code
KA1	R 1300 GS	0M23
KA2	R 1300 GS Adventure	0M33
KA3	R 1300 RT	0M43
KA3	R 1300 RT-P	0M43
KA4	R 1300 R	0M53
KA5	R 1300 RS	0M63

The affected vehicles have been marked with campaign number **0011600000** in AIR.

In order to determine if a specific motorcycle is affected by this campaign, it will be necessary to verify the vehicle VIN in AIR (Aftersales Information Research). Based on the response of the system, either proceed with the repair or take no further action. Please note, open campaigns or vehicle stops may not appear in DCS Warranty Vehicle Inquiry or sales systems until 24-72 hours after they are announced, therefore AIR is always the recommended method for determining open campaigns and vehicle stops.

## SITUATION

After a quality inspection it was found that due to improper machining, the right-side chain tensioner screw plug doesn't meet the specifications over the service life of the motorcycle.

As a result, over increased mileage accrued noise and engine damage may occur.

For vehicles that have not yet been delivered, the service action must be completed before vehicle handover. If the service action cannot be completed due to a parts, software, or special tool shortage, the service action then must be performed during the next possible workshop visit when parts, software, or special tools become available. In such instances where work cannot be performed, it is essential to inform the customer of the situation.

In all instances in which the vehicles have already been handed over to customers, the Technical Campaign must be carried out at the next workshop visit.

## PROCEDURE

Replace only the right-side chain tensioner screw plug (not the tensioner) per the repair instructions "11 31 097 – Remove and in stall or replace timing chain tensioner on right cylinder". Currently all associated repair procedures are found in TIS 2.0 under supporting material for the bulletin until AIR is updated.

NOTE: The Screw plug replacement parts come with the required gasket as a set.

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The repair instructions have been updated:

- Required steps are added, such as removing fuel tanks or trim panels.
- The throttle valve does not have to be removed but merely loosened and turned (injection valve released).
- Flat rate units adapted to updated procedure.

The modified repair instructions will be included in the April 2026 AIR update.

## NOTICE

The specified part number "11 31 5 B39 D97 – screw plug" already includes a new sealing ring. For better assembly, the O-ring can be coated with tire-fitting paste.

The chain tensioner is not affected and does not need to be replaced.

## PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in ETK which takes into account specific equipment and/or options.

Additional parts like gaskets, hardware and chemicals may be required for the complete repair.

### Part Number

11 31 5 B39 D97	Chain tensioner screw plug including O-ring
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## CLAIM INFORMATION

Please submit claims via the normal claim process using the information below:

### Defect code

00 11 60 00 00	Replacing chain tensioner screw plug
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### Labor Operation

11 31 097	Removing/installing or replacing timing chain tensioner, right cylinder	KA1 – R 1300 GS KA3 – R 1300 RT	7 FRU
+11 31 782	Removing/installing or replacing timing chain tensioner, right cylinder		6 FRU
11 31 097	Removing/installing or replacing timing chain tensioner, right cylinder	KA2 – R 1300 GS Adventure	14 FRU
+11 31 782	Removing/installing or replacing timing chain tensioner, right cylinder		13 FRU
11 31 097	Removing/installing or replacing timing chain tensioner, right cylinder	KA4 – R 1300 R KA5 – R 1300 RS	8 FRU
+11 31 782	Removing/installing or replacing timing chain tensioner, right cylinder		7 FRU

FRUs includes all repair procedures to complete the task with allowance for necessary ancillary tasks (e.g., visual inspection, lubrication, cleaning parts etc.) and administrative tasks.

**NOTE:** Labor operation code 11 31 097 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation instead.

Technical inquiries	Contact the BMW Technical Support Group via TSARA
Warranty inquiries	Submit an IDS ticket to the Warranty Department
Parts inquiries	Submit an IDS ticket to the Motorrad Parts Department

### Supporting Materials

[picture\\_as\\_pdf 11 01 25 - SA Replace screw plug, chain tensioner.pdf](#)

[picture\\_as\\_pdf 11 01 25 SA-Replace Right Side Chain Tensioner Screw Plug.pdf](#)

[picture\\_as\\_pdf RM\\_1131097\\_0M31\\_KA2\\_EN.pdf](#)

[picture\\_as\\_pdf RM\\_1131097\\_0M61\\_KA5\\_EN.pdf](#)

[picture\\_as\\_pdf RM\\_1131097\\_0M21\\_KA1\\_EN.pdf](#)

[picture\\_as\\_pdf RM\\_1131097\\_0M51\\_KA4\\_EN.pdf](#)

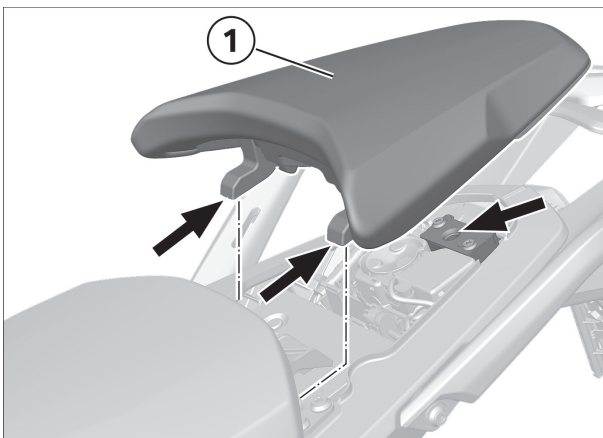
[picture\\_as\\_pdf RM\\_1131097\\_0M41\\_KA3\\_EN.pdf](#)

## 0M21 - R 1300 GS

### 11 31 097 Removing/installing or replacing timing chain tensioner, right cylinder

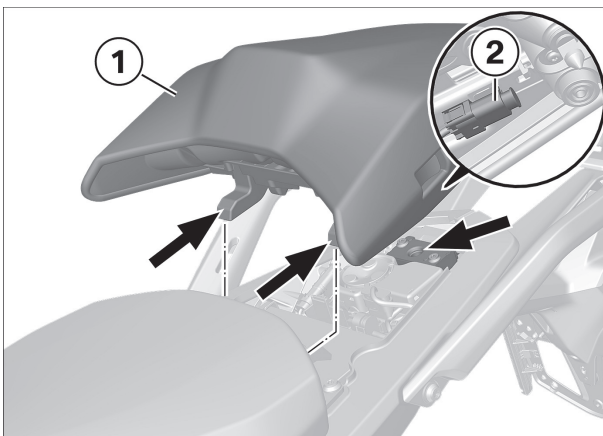
Additional work: 46 52 510 Mounting and dismounting the rear-wheel stand with special tools (for motorbikes without a centre stand)

# 1



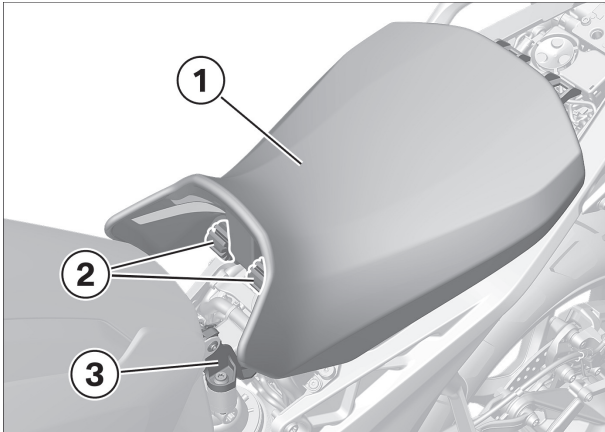
#### ► Removing passenger seat

- Unlock seat lock.
- Loosen passenger seat **(1)** from lock and hooks **(arrows)**.

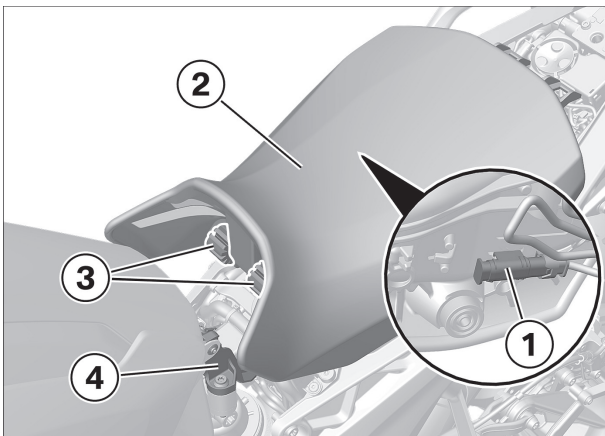


- with seat heating<sup>OE</sup> (0518)
- Unlock seat lock.
- Loosen passenger seat **(1)** from lock and hooks **(arrows)**.
- Do not put strain on cable for seat heating!
- Disconnect connector **(2)** for seat heating and remove passenger seat.
- Do not twist or put strain on socket!◇

## 2

▶ **Removing rider's seat**

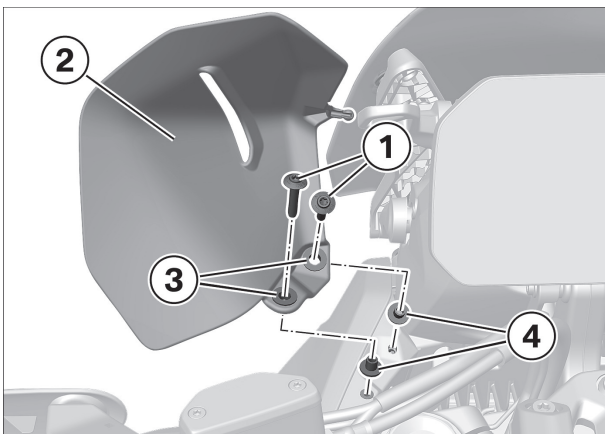
- Loosen rubber buffer (2) from bearing support (3) and remove rider's seat (1).



– with seat heating<sup>OE</sup> (0518)

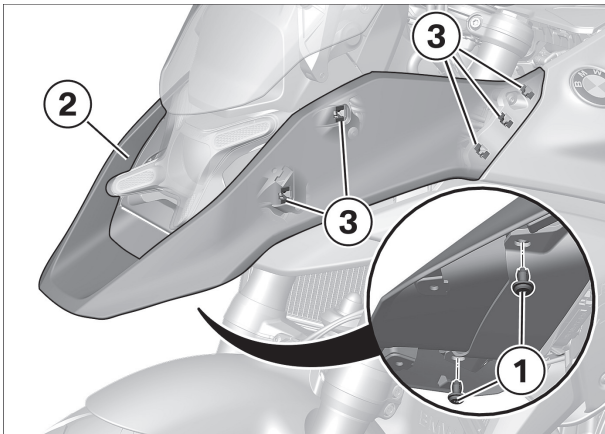
- Loosen rubber buffer (3) from bearing support (4) and remove rider's seat (2).
- Disconnect connector (1) for seat heating.
- Do not twist or put strain on socket!◇

## 3

**Removing top front-wheel cover**▷ **Removing wind deflectors on left and right**

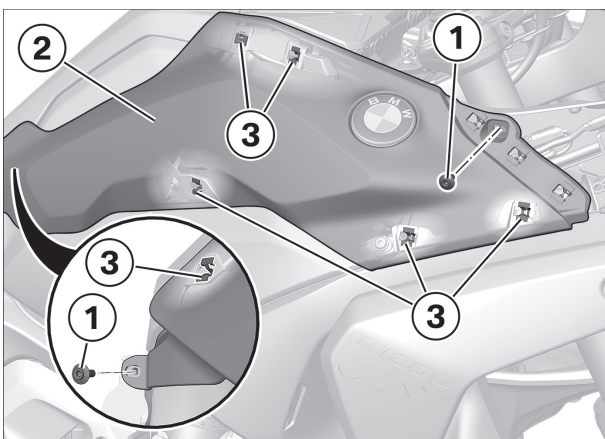
- with windscreen, electrically adjustable<sup>OE</sup> (0559)
- Remove screws (1).
- Remove wind deflectors (2) with grommets (3) and bushes (4).

• Remove right wind deflector in the same way.◇



- Remove expanding rivet (1).
- Loosen front-wheel cover (2) on left and right from clip clamps (3) and pull off to the front.

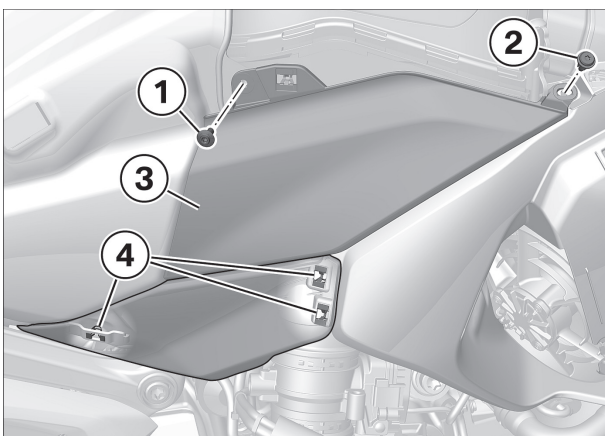
## 4

► **Removing right side panel**

- Remove screws (1).
- Loosen fairing side panel (2) from clip clamps (3) and remove.



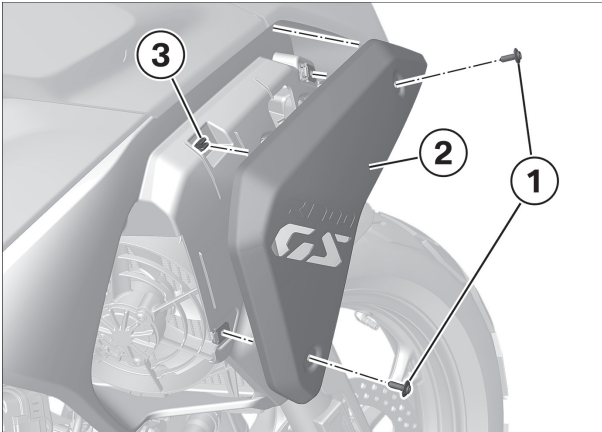
## 5

► **Removing Airbox cover with knee guard on right**

- Remove screw (1) and expanding rivet (2).
- Loosen cover (3) with knee guard from clip clamps (4) and remove.



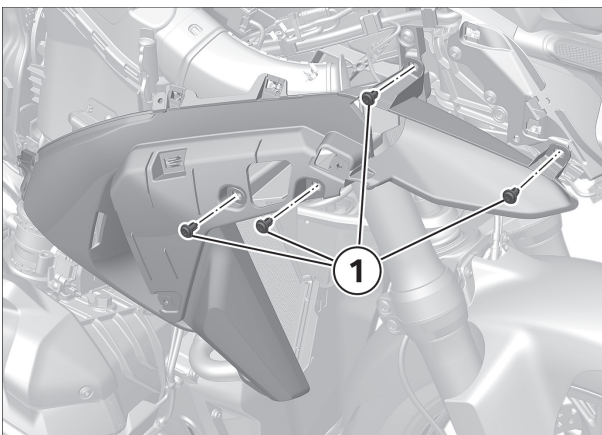
## 6



## ► Removing right radiator cowl

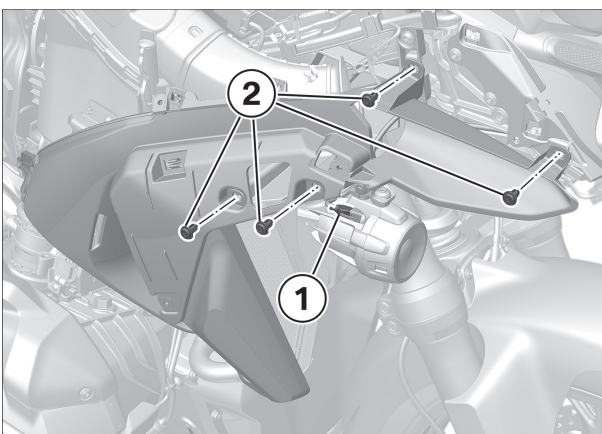
- Remove screws (1).
- Loosen radiator cowl (2) from clip clamp (3) and remove.

## 7



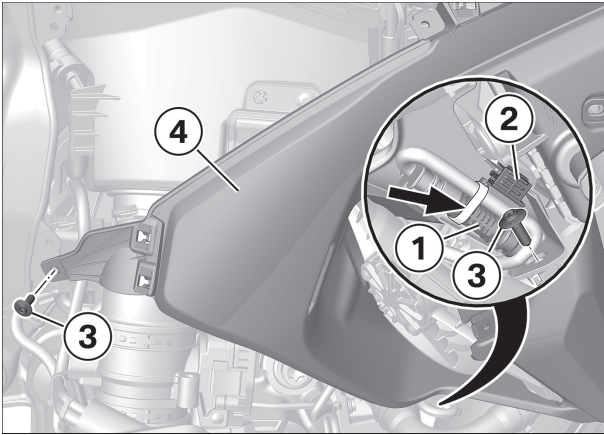
## ► Removing right exhaust duct

- Remove screws (1).



– with additional headlight<sup>OE</sup> (0562)

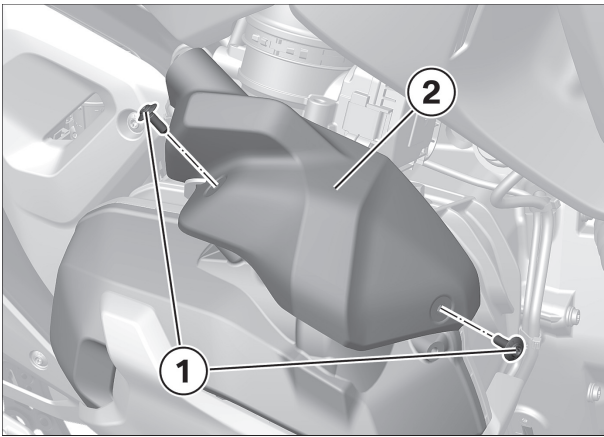
- Disconnect connector (1) for additional headlight.
- Remove screws (2).◇



- Remove cable strap (**arrow**).
- Disconnect connector **(1)** and loosen from connector holder **(2)**.
- Remove screws **(3)**.
- Remove exhaust duct **(4)**.



**8**

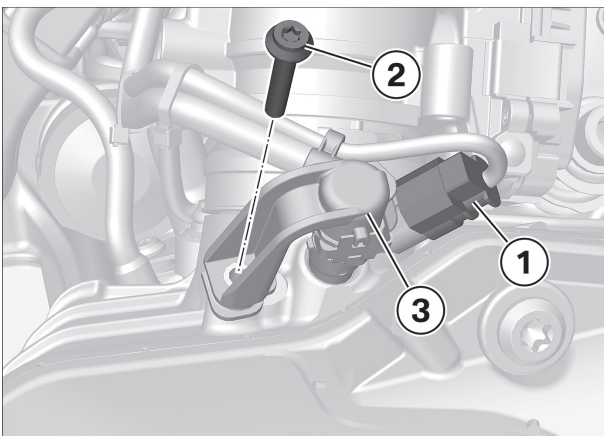


► **Removing right injection valve cover**

- Remove screws **(1)**.
- Remove injection valve cover **(2)**.



**9**

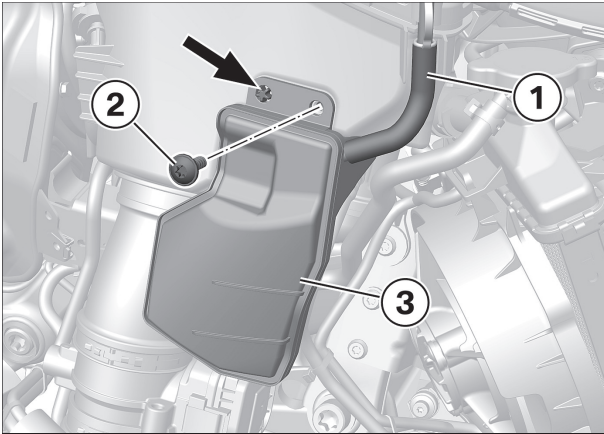


► **Removing right injection valve**

- Disconnect connector **(1)** for injection valve.
- Remove screw **(2)**.
- Loosen injection valve **(3)**.

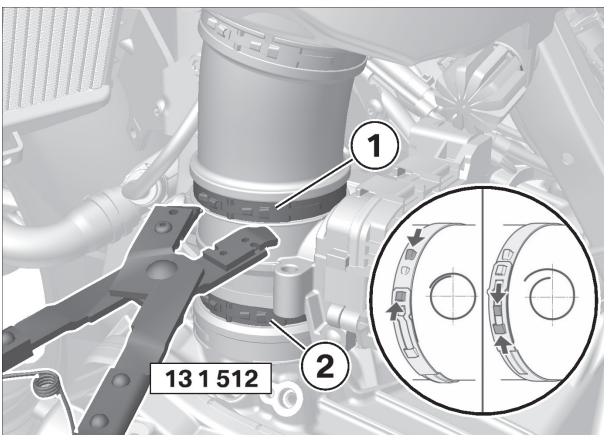


## 10

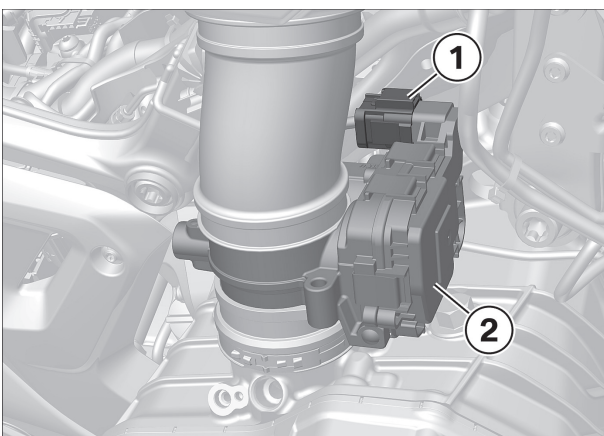
▶ **Disengaging expansion tank for coolant**

- Remove screw (2).
- Loosen expansion tank (3) from hooks (arrow).
- In doing so, pay attention to hose (1).

## 11

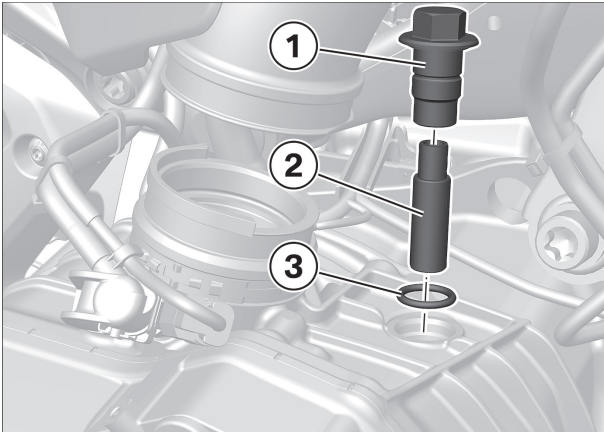
▶ **Disengaging right throttle-valve assembly**

- Open clamps (1) and (2) using pliers (13 1 512).



- Disconnect connector (1).
- Turn throttle valve (2) clockwise outwards until the timing chain tensioner is accessible.

# 12

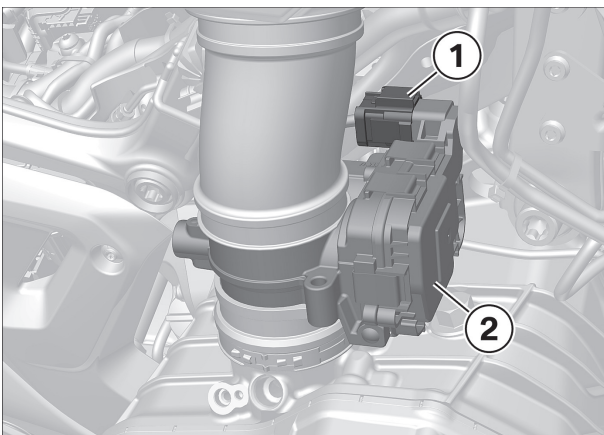


### ► Replacing right timing-chain tensioner

- Remove timing chain tensioner (1) with piston (2) and sealing ring (3).
- Install new timing chain tensioner (1) with piston (2) and **new** sealing ring (3).

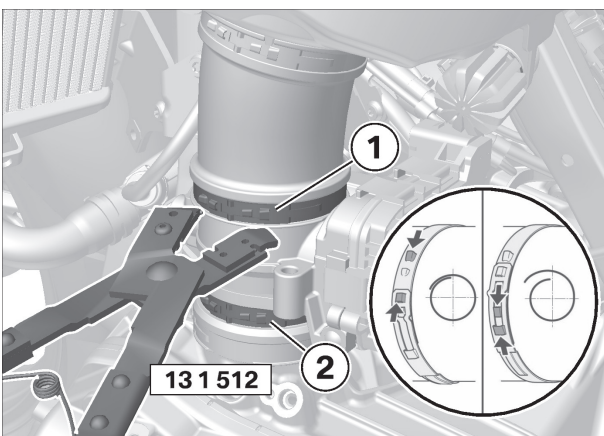
Tightening torques		
Screw plug for chain tensioner to cylinder		
M18 x 1.5	32 Nm	

# 13



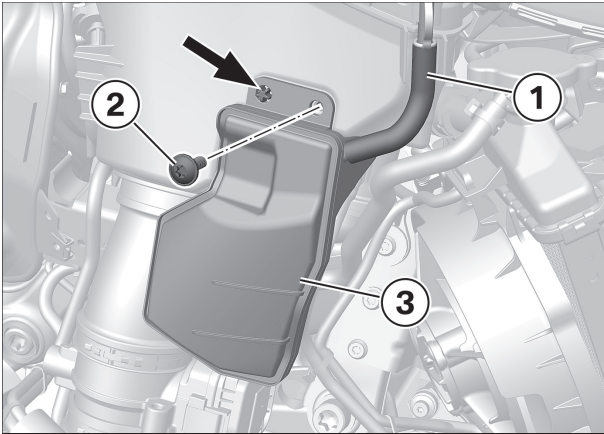
### ► Securing right throttle-valve assembly

- Connect connector (1).
- Turn throttle valve (2) to mounting orientation.
- Pay attention to the edge in the rubber sleeve!



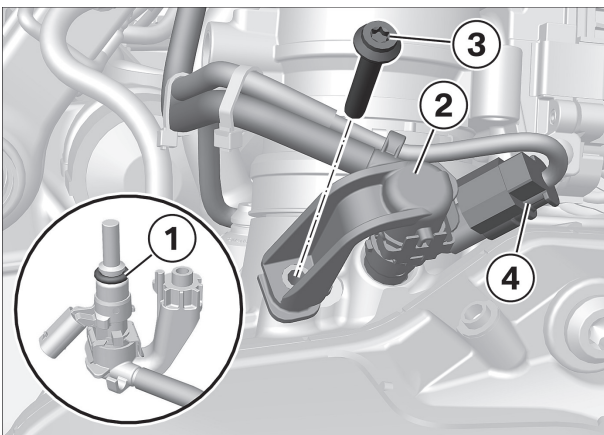
- Install clamps (1) and (2) using pliers (13 1 512).

## 14

► **Securing expansion tank for coolant**

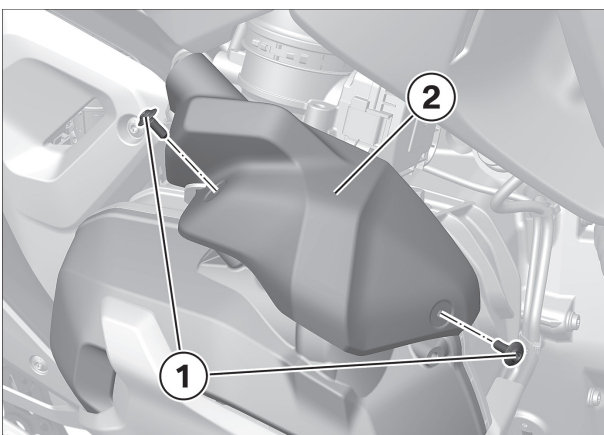
- Position expansion tank (3), noting hook (arrow).
- Do not kink hose (1).
- Install screw (2).

## 15

► **Securing right injection valve**

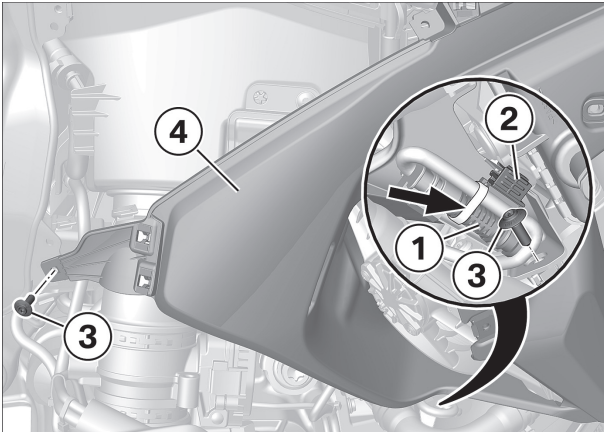
- Check O-ring (1) for damage; replace O-ring if swollen or damaged.
- Install injection valve (2).
- Install screw (3).
- Connect connector (4) for injection valve.

## 16

► **Installing right injection-valve cover**

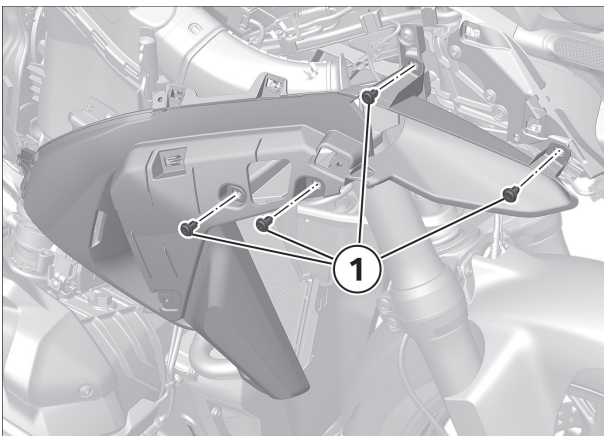
- Install injection valve cover (2).
- Install screws (1).

17

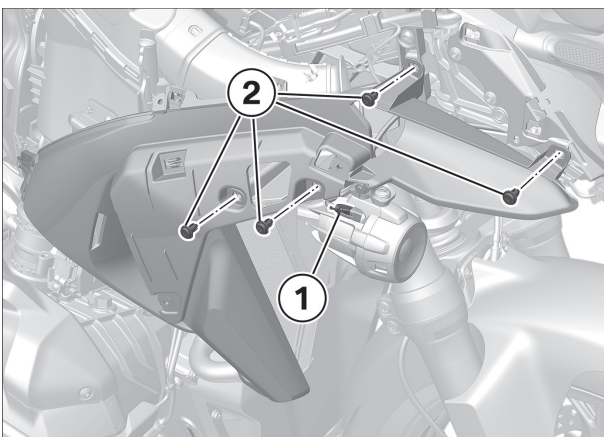


► **Installing right exhaust duct**

- Position exhaust duct **(4)**.
- Install screws **(3)**.
- Secure connector **(1)** on connector holder **(2)** and connect.
- Install cable strap **(arrow)**.



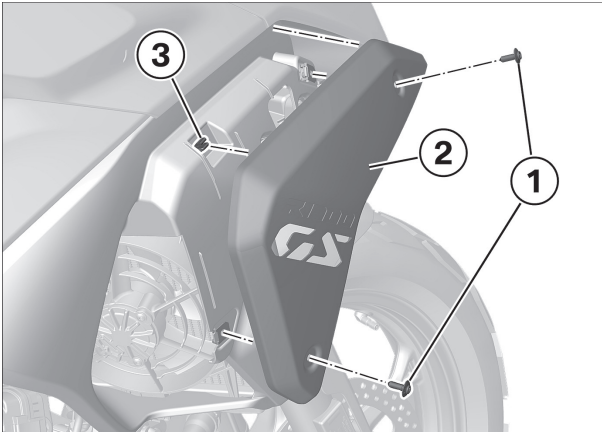
- Install screws **(1)**.



- with additional headlight<sup>OE</sup> (0562)
- Install screws **(2)**.
- Connect connector **(1)** for additional headlight.◇

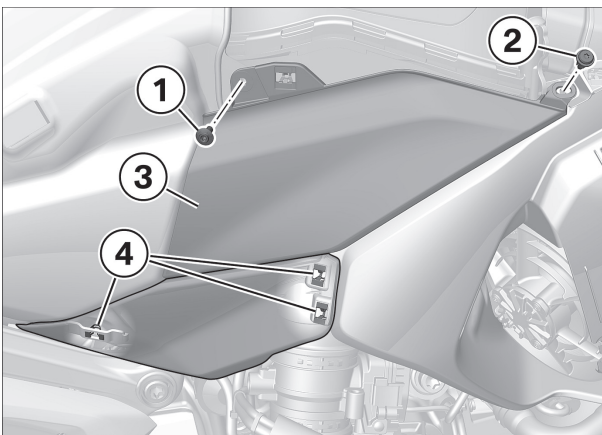


## 18

► **Installing right radiator cowl**

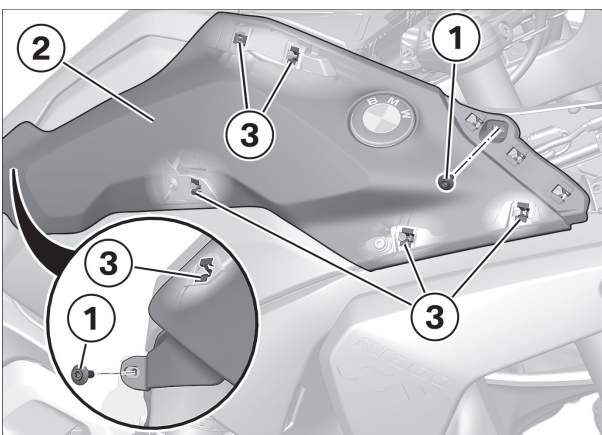
- Position radiator cowl (2) and secure in clip clamp (3).
- Install screws (1).

## 19

► **Installing Airbox cover with knee guard on right**

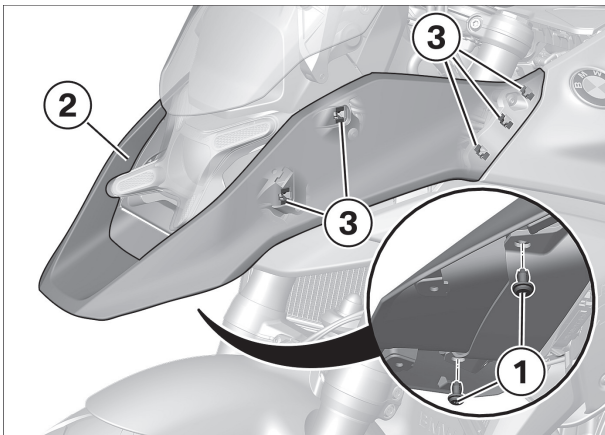
- Secure cover (3) with knee guard in clip clamps (4).
- Install screw (1) and expanding rivet (2).

## 20

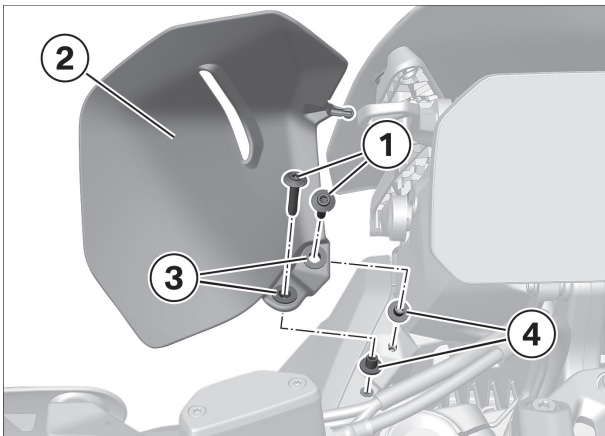
► **Installing right fairing side panel**

- Position fairing side panel (2) and secure in clip clamps (3).
- Install screws (1).

## 21

► **Installing top front-wheel cover**

- Carefully spread front-wheel cover (2) and secure on left and right in clip clamps (3).
- Install expanding rivets (1).

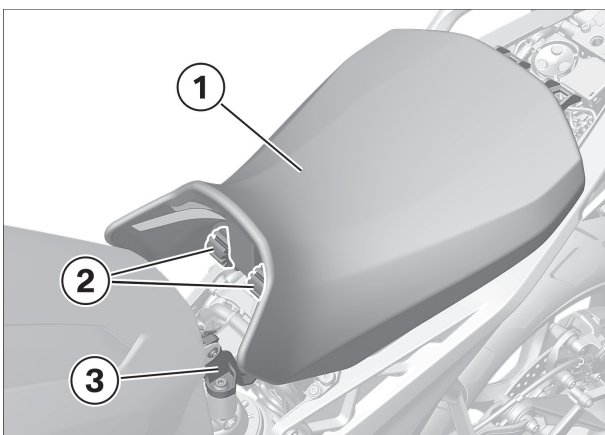
▷ **Installing left and right wind deflectors**

- with windscreen, electrically adjustable<sup>OE</sup> (0559)
- Insert grommets (3) and bushes (4) in wind deflector (2).
- Install wind deflector (2) with screws (1).

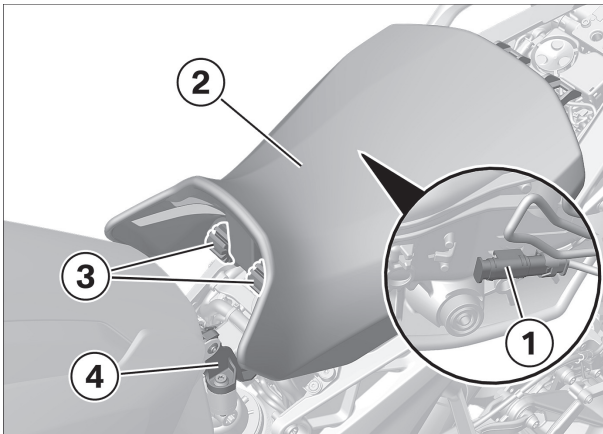
- Install right wind deflector in the same way.◇



## 22

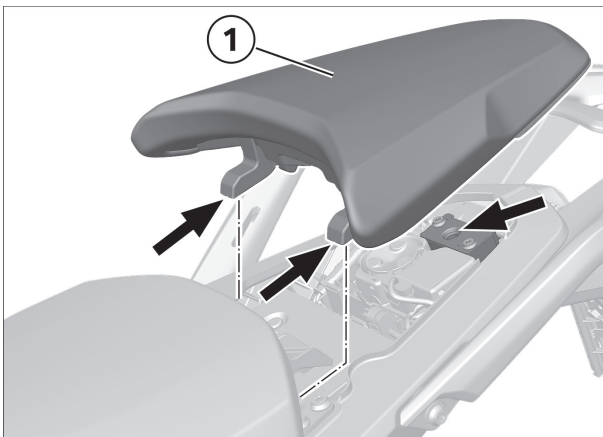
► **Installing rider's seat**

- Attach rider's seat (1).
- » Insert rubber buffer (2) in bearing support (3).



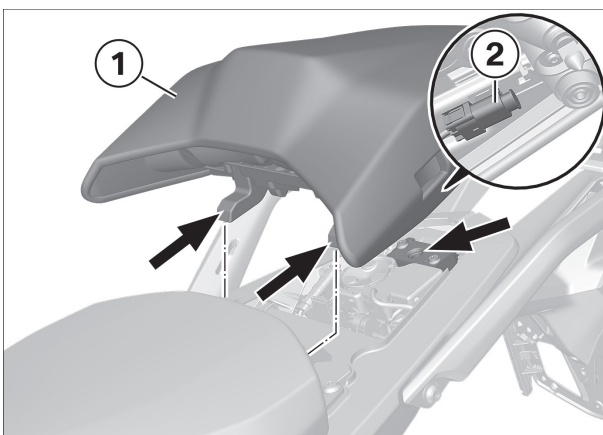
- with seat heating<sup>OE</sup> (0518)
- Connect connector **(1)** for seat heating.
- Attach rider's seat **(2)**.
- » Insert rubber buffer **(3)** in bearing support **(4)**.◇

## 23



### ► Installing passenger seat

- Secure passenger seat **(1)** in hooks and lock **(arrows)**.
- Firmly press down passenger seat **(1)** at rear.
- » The passenger seat engages with an audible click.



- with seat heating<sup>OE</sup> (0518)
- Connect passenger seat **(1)** with connector **(2)** for seat heating.
- Secure passenger seat **(1)** in hooks and lock **(arrows)**.
- Firmly press down passenger seat **(1)** at rear.
- » The passenger seat engages with an audible click.◇

## 24

### ► Final inspection of completed work

- Ensure the following:
  - The objective of the completed work was achieved.
  - All operating fluids have been filled in and the fluids are at the correct fill level.

- All loosened screw connections have been retightened correctly.
- The fuel system is free of leaks.
- The lighting and signal system is functional and the vehicle is roadworthy.
- The brake pads of the front and rear wheel brakes are resting against the brake disks.

#### ▷ **Function test, engine start suppression**

##### **Check**

- Set kill switch to centred position.
- Select neutral.
- Switch on the ignition.
- » Neutral indicator light "N" lights up.
- Select a gear.
- » Neutral indicator light "N" goes out.
- Press the starter button.
- » Starter does **not** operate.
- Extend the side stand.
- Pull the clutch lever.
- Press the starter button.
- » Starter does **not** operate.
- Retract the side stand.
- Press the starter button without releasing the clutch lever.
- » Starter operates.

##### **Result**

Not all test steps completed successfully.

##### **Measure**

- Check corresponding components with BMW Motorrad diagnosis system.

– with automated shift assistant<sup>OE</sup> (022A)

##### **Check**

- Set kill switch to centred position.
- Switch on the ignition.
- » Neutral position "N" or roll-away protection "P" lights up.
- **Neutral position "N" lights up.**
- Press the starter button.
- » Starter operates.
- **Roll-away protection "P" lights up.**
- Press the starter button.
- » Starter motor does not run.
- Actuate brake **and** press starter motor button.
- » Starter operates.
- **Engine running, gear is engaged.**
- Extend the side stand.
- » Engine goes out, roll-away protection "P" lights up.
- **Engine running, neutral position "N" lights up.**
- Extend the side stand.

» Gear change not possible.

**Result**

Not all test steps completed successfully.

**Measure**

- Check corresponding components with BMW Motorrad diagnosis system.◇

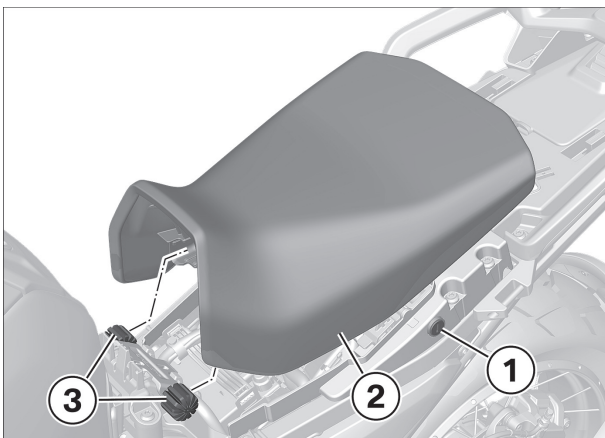


## 0M31 - R 1300 GS Adventure

### 11 31 097 Removing/installing or replacing timing chain tensioner, right cylinder

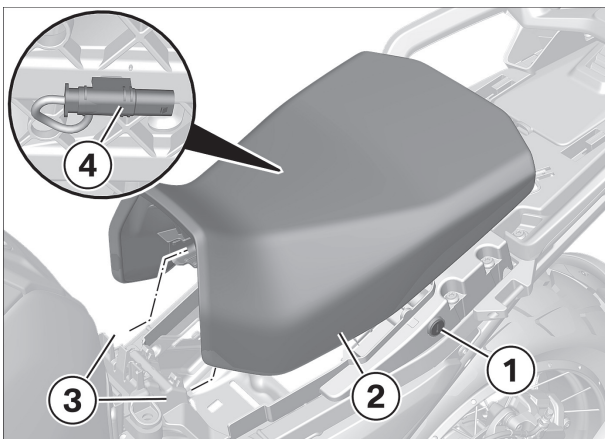
Additional work: 46 52 510 Mounting and dismounting the rear-wheel stand with special tools (for motorbikes without a centre stand)

# 1



#### ► Removing rider's seat

- Actuate seat lock (1).
- Disengage rider's seat (2) from spacer buffer (3) and remove.



– With comfort rider's seat<sup>OE</sup> (077C)

or

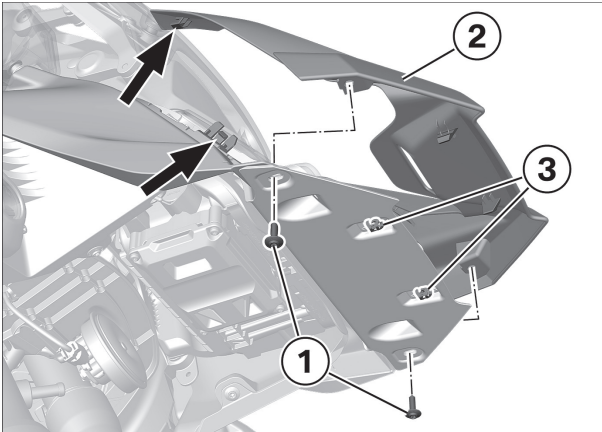
– with low comfort rider's seat<sup>OE</sup> (077D)

or

– with high comfort rider's seat<sup>OE</sup> (077E)

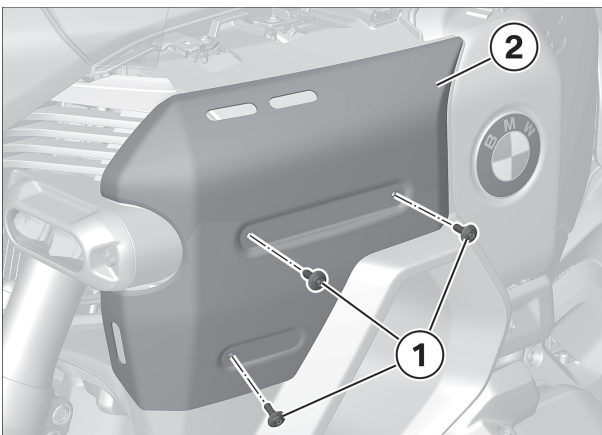
- Actuate seat lock (1).
- Disengage rider's seat (2) from spacer buffer (3) and remove.
- Disconnect connector (4) for seat heating.
- Do not twist or put strain on mating connector!◇



**2**

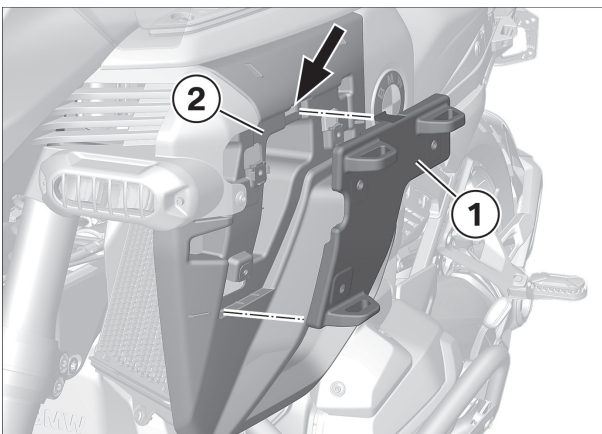
► **Removing top front-wheel cover**

- Remove screws (1).
- Loosen front-wheel cover (2) out of clip clamps (3) and hooks (arrows) and pull off to the front.

**3**

► **Removing left radiator cowl**

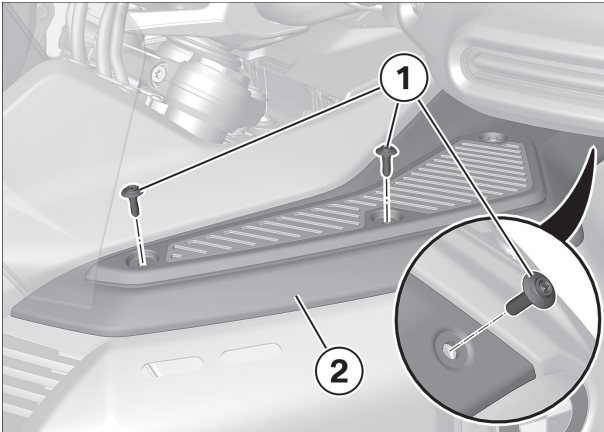
- Remove screws (1).
- Remove radiator cowl (2).



– with GS Trophy<sup>OE</sup> (09T2)

- Loosen holder (1) out of exhaust duct (2) (arrow) and remove.◇

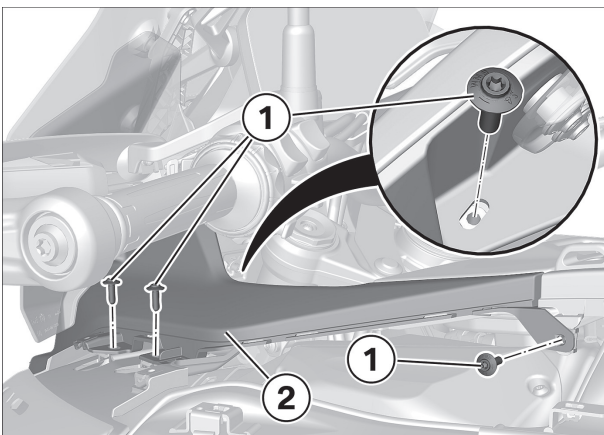
4



► **Removing left fuel-tank cover**

- Remove screws (1).
- Remove tank covers (2).

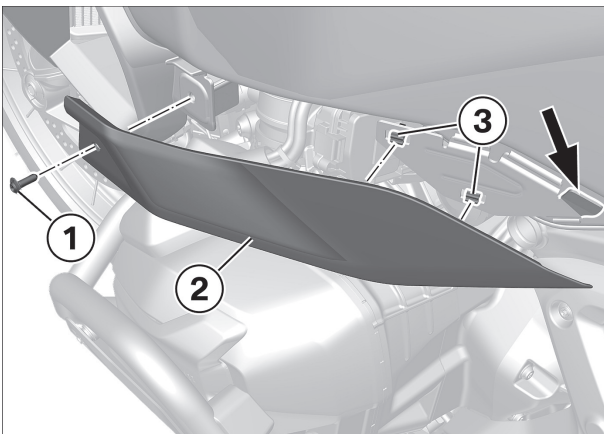
5



► **Removing left fairing side panel with slipstream deflector**

- Remove screws (1).
- Loosen fairing side panel (2) and remove.

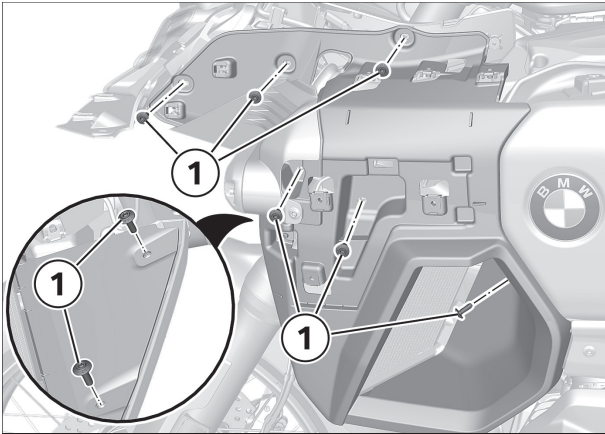
6



► **Removing bottom left tank cover**

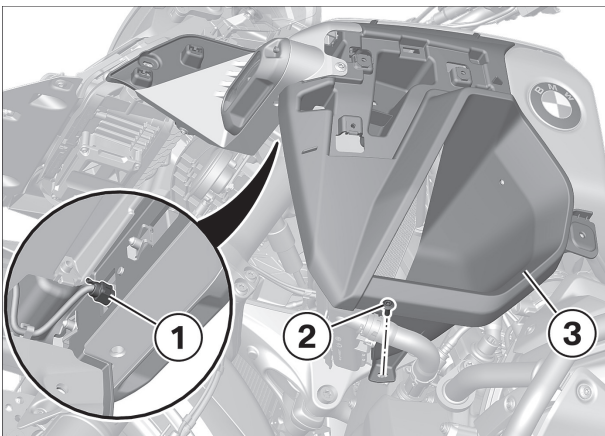
- Remove screw (1).
- Loosen cover (2) out of clip clamps (3) and hook (arrow) and remove.

7



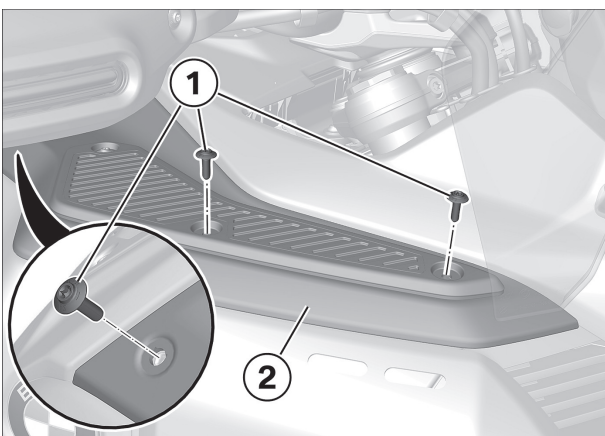
► **Removing left exhaust duct**

- Remove screws **(1)**.



- Disconnect connector **(1)** for additional headlight.
- Remove screw **(2)**.
- Remove exhaust duct **(3)**.

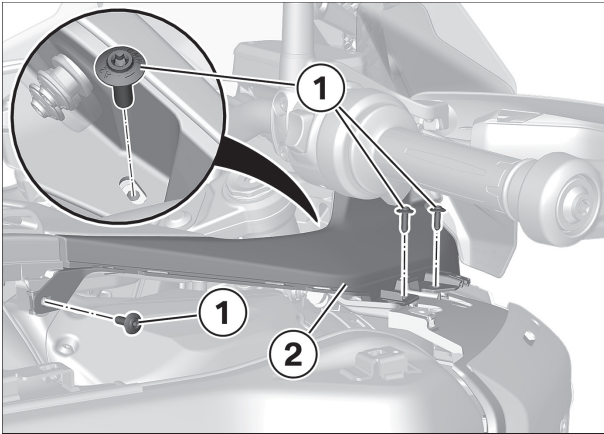
8



► **Removing right fuel-tank cover**

- Remove screws **(1)**.
- Remove tank covers **(2)**.

9

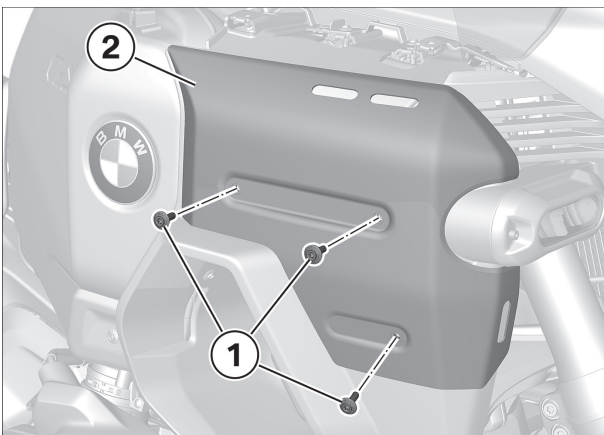


► **Removing right fairing side panel with slipstream deflector**

- Remove screws **(1)**.
- Loosen fairing side panel **(2)** and remove.

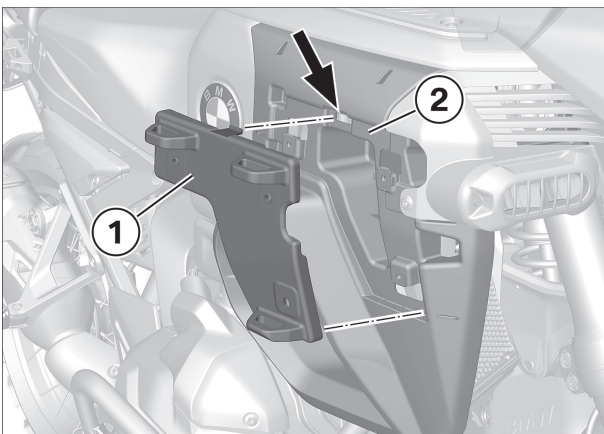


10



► **Removing right radiator cowl**

- Remove screws **(1)**.
- Remove radiator cowl **(2)**.

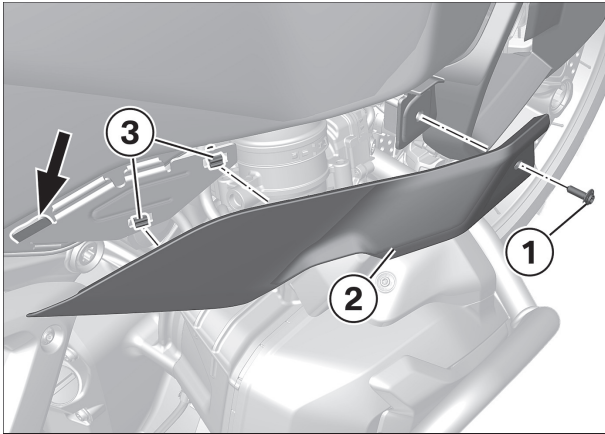


– with GS Trophy<sup>OE</sup> (09T2)

- Loosen holder **(1)** out of exhaust duct **(2)** (**arrow**) and remove.◇



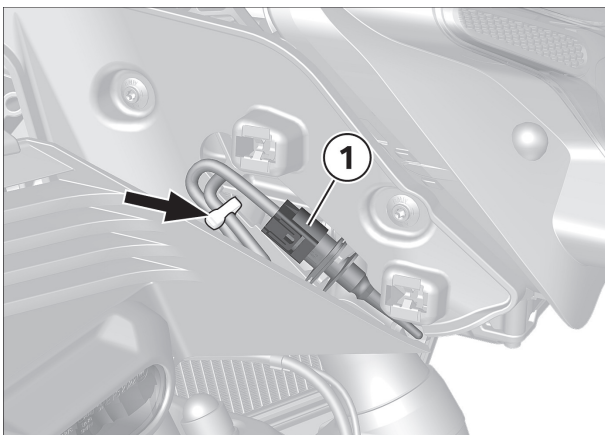
# 11



## ► Removing bottom right tank cover

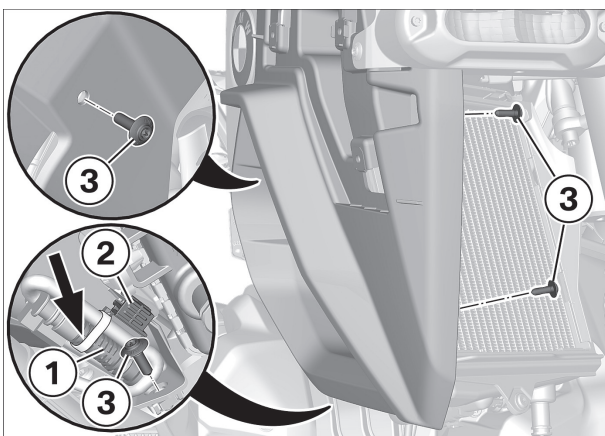
- Remove screw (1).
- Loosen cover (2) out of clip clamps (3) and hook (arrow) and remove.

# 12

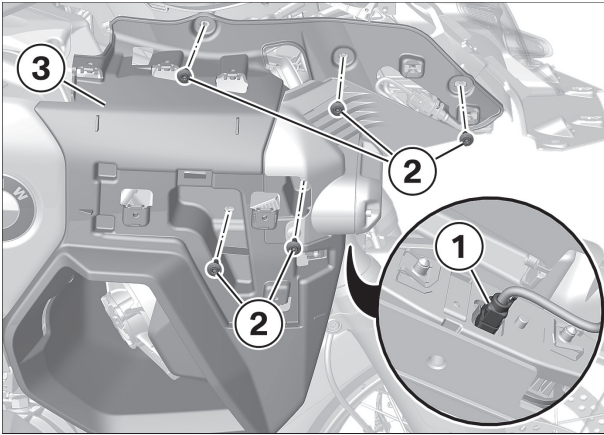


## ► Removing right exhaust duct

- Remove cable strap (arrow).
- Disconnect connector (1) for air temperature sensor.



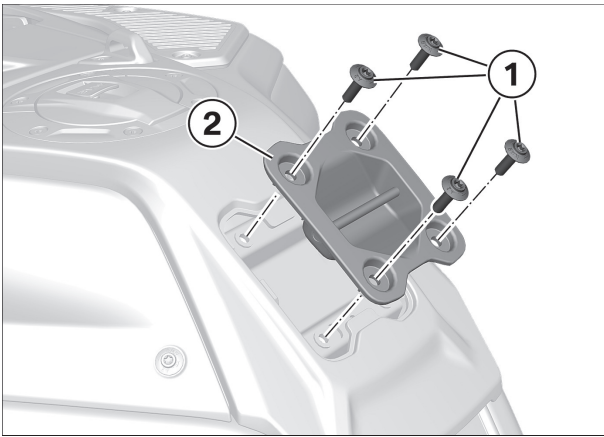
- Remove cable strap (arrow).
- Disconnect connector (1) and loosen from connector holder (2).
- Remove screws (3).



- Disconnect connector **(1)** for additional headlight.
- Remove screws **(2)**.
- Remove exhaust duct **(3)**.

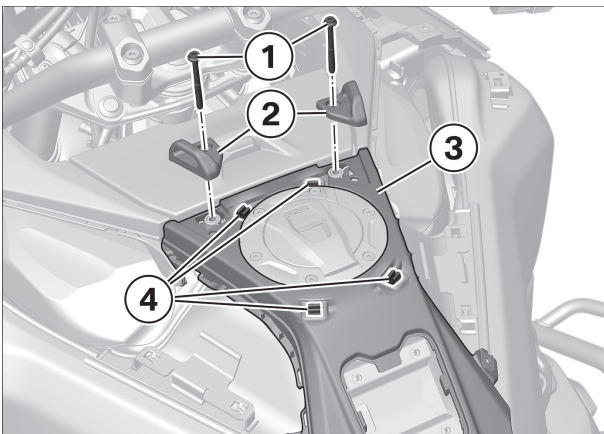


# 13



► **Removing centre fuel-tank cover**

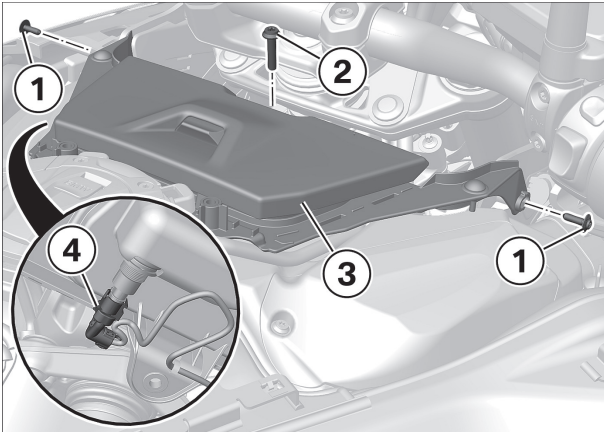
- Remove screws **(1)**.
- Remove holder **(2)**.



- Remove screws **(1)** and mounts **(2)**.
- Loosen tank cover **(3)** out of clip clamps **(4)** and remove.



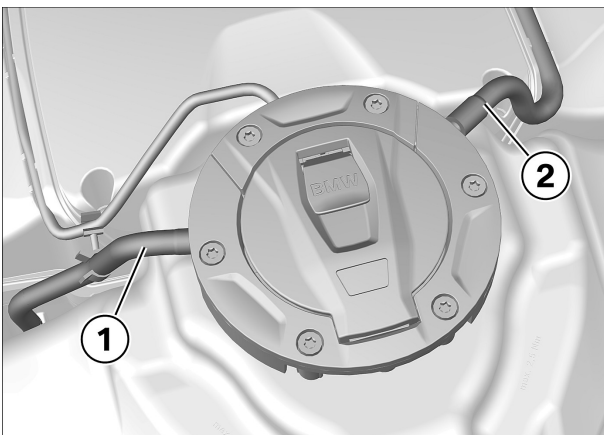
# 14



► **Removing stowage compartment**

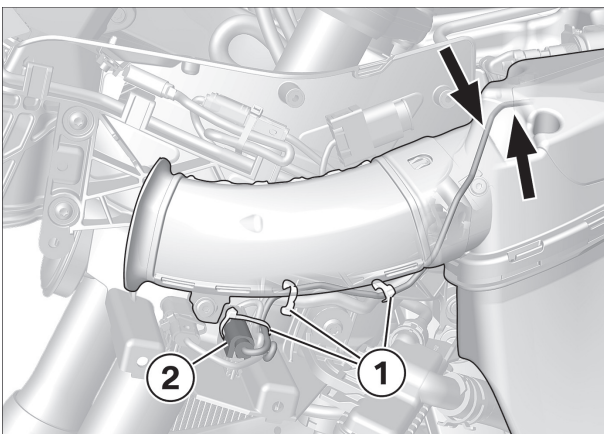
- Remove screws **(1)** and **(2)**.
- Raise storage compartment **(3)** and disconnect connector **(4)**.

# 15

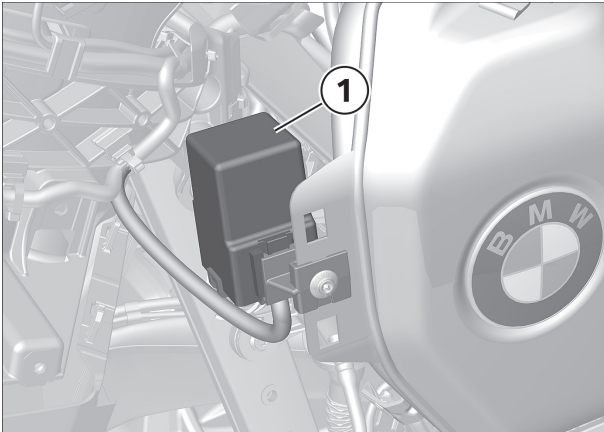


► **Removing fuel tank**

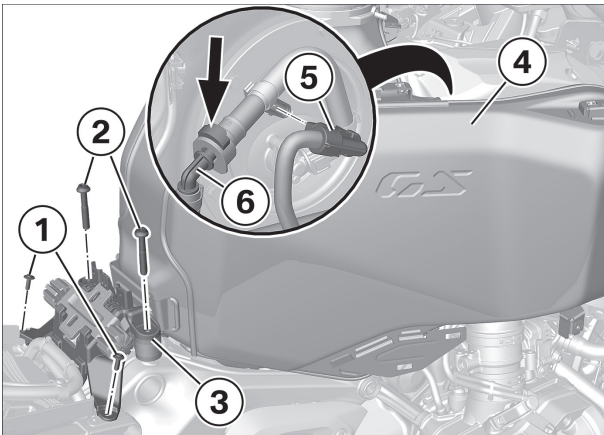
- Disconnect overflow hose **(1)**.
- Disconnect vent hose **(2)**.



- Remove cable strap **(1)**.
- Disconnect connector **(2)** for fuel filler cap and loosen.
- Loosen line **(arrows)** and thread out connector.



- Loosen relay holder **(1)**.



- Remove screws **(1)** and **(2)**.
- Loosen tank holder **(3)**.
- Pull fuel tank **(4)** slightly to the rear.
- Disconnect connector **(5)** for fuel pump.

### **⚠ WARNING**

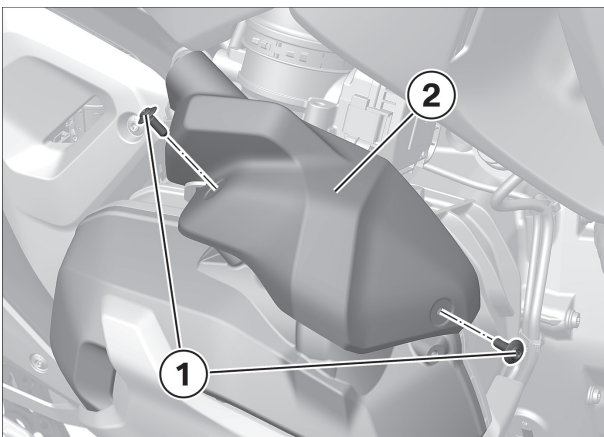
**Fuel is highly flammable and hazardous to health**

Risk of fire, risk of damage to health

- Comply with the safety regulations.

- Disconnect quick-release coupling **(6)**.
  - Carefully raise lock with screwdriver.
  - Employ suitable means to catch escaping fuel.
- Remove fuel tank **(4)**.

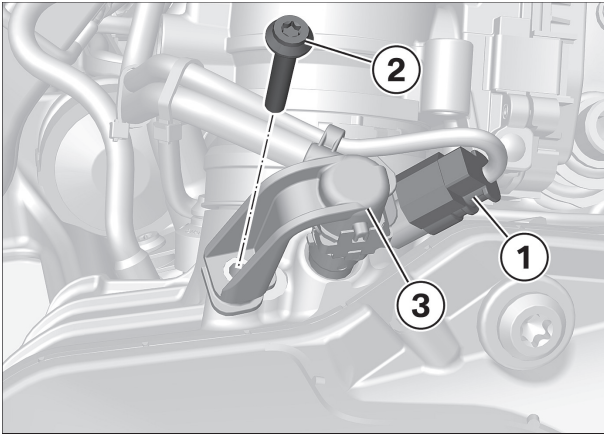
## 16



### ► **Removing right injection valve cover**

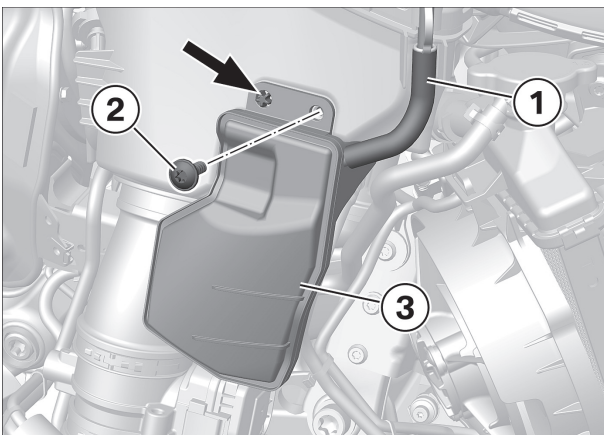
- Remove screws **(1)**.
- Remove injection valve cover **(2)**.

## 17

► **Removing right injection valve**

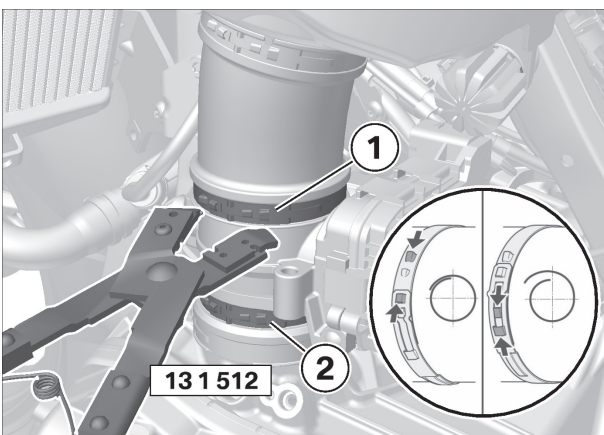
- Disconnect connector (1) for injection valve.
- Remove screw (2).
- Loosen injection valve (3).

## 18

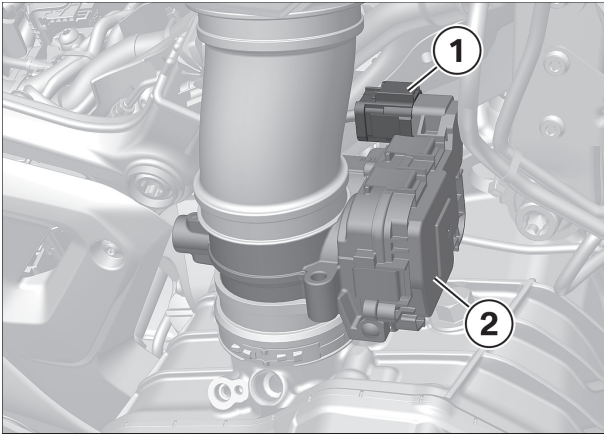
► **Disengaging expansion tank for coolant**

- Remove screw (2).
- Loosen expansion tank (3) from hooks (arrow).
- In doing so, pay attention to hose (1).

## 19

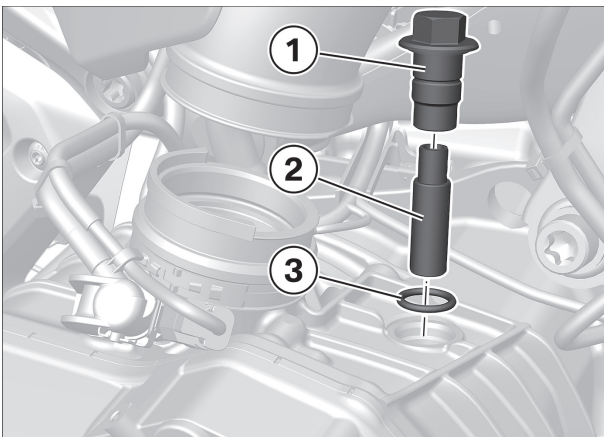
► **Disengaging right throttle-valve assembly**

- Open clamps (1) and (2) using pliers (13 1 512).



- Disconnect connector (1).
- Turn throttle valve (2) clockwise outwards until the timing chain tensioner is accessible.

## 20

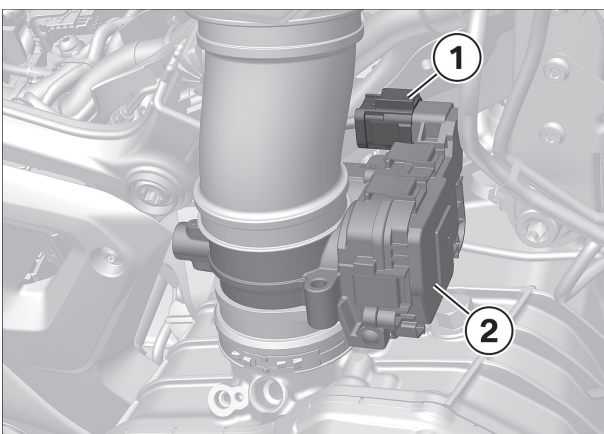


### ► Replacing right timing-chain tensioner

- Remove timing chain tensioner (1) with piston (2) and sealing ring (3).
- Install new timing chain tensioner (1) with piston (2) and **new** sealing ring (3).

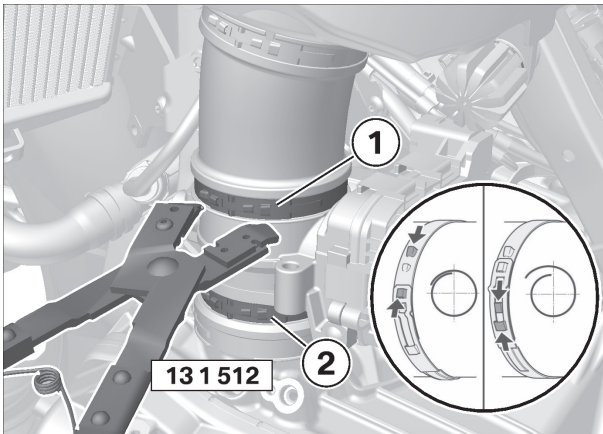
Tightening torques		
Screw plug for chain tensioner to cylinder		
M18 x 1.5	32 Nm	

## 21



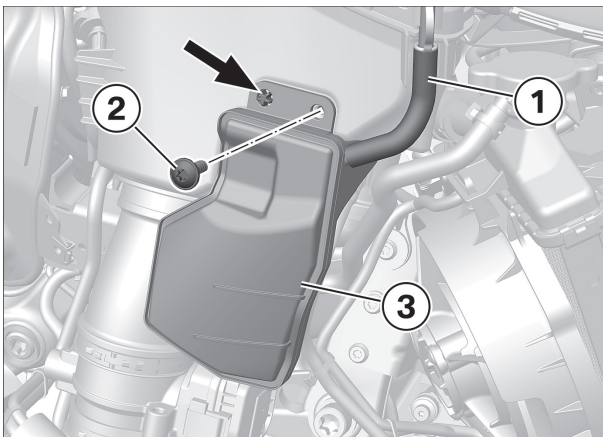
### ► Securing right throttle-valve assembly

- Connect connector (1).
- Turn throttle valve (2) to mounting orientation.
- Pay attention to the edge in the rubber sleeve!



- Install clamps **(1)** and **(2)** using pliers (13 1 512).

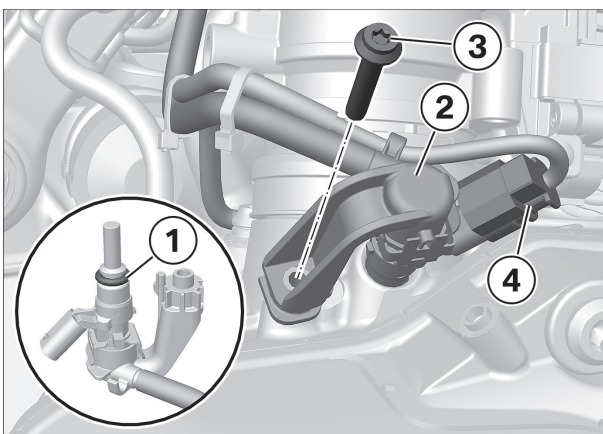
## 22



### ► Securing expansion tank for coolant

- Position expansion tank **(3)**, noting hook (**arrow**).
- Do not kink hose **(1)**.
- Install screw **(2)**.

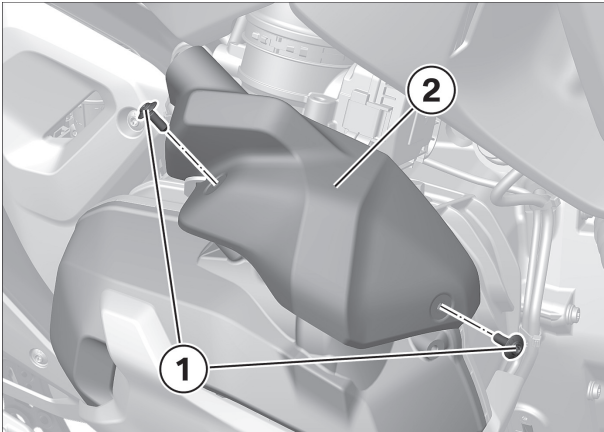
## 23



### ► Securing right injection valve

- Check O-ring **(1)** for damage; replace O-ring if swollen or damaged.
- Install injection valve **(2)**.
- Install screw **(3)**.
- Connect connector **(4)** for injection valve.

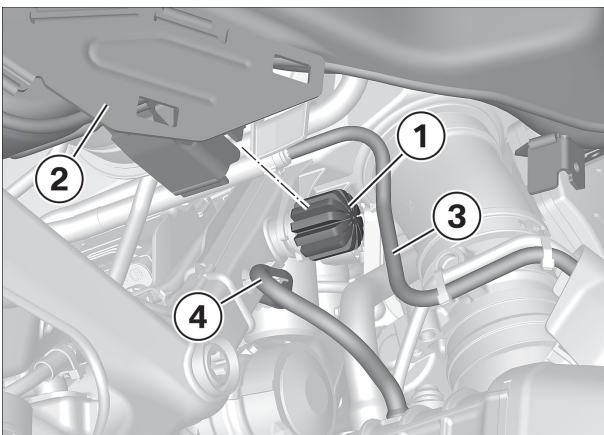
# 24



► **Installing right injection-valve cover**

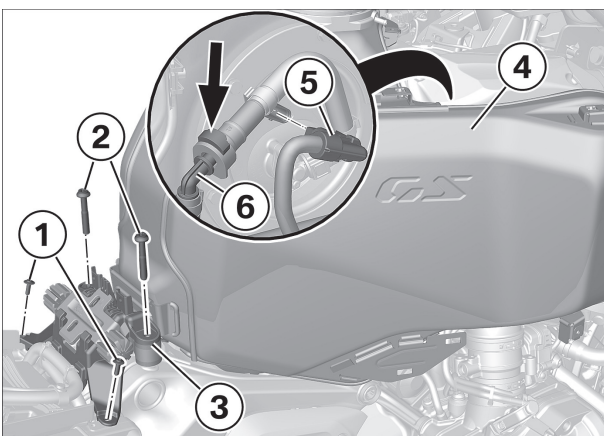
- Install injection valve cover (2).
- Install screws (1).

# 25




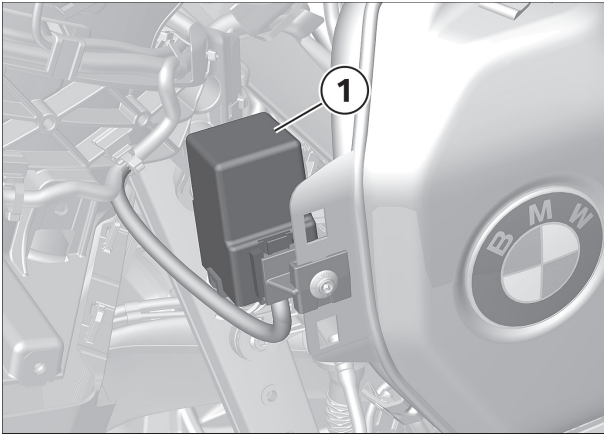
► **Installing fuel tank**

- When installing fuel tank (2), note rubber mounts (1), lines (3) and wiring harness (4).

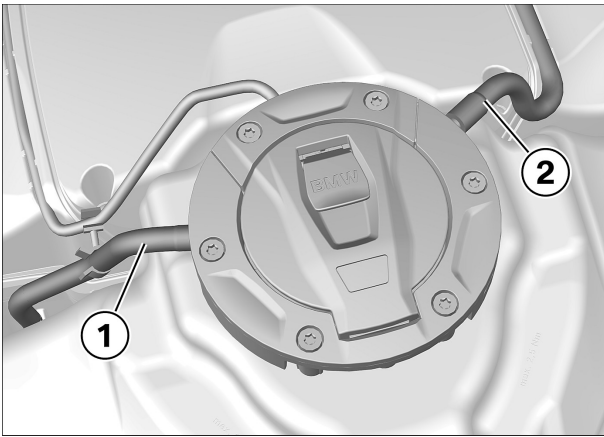


- Position fuel tank (4).
- Connect connector (5).
- Press fuel pressure line (6) into bush with a little effort.
  - Press in lock (arrow).
  - Check pressure line for tight fit.
- Position tank holder (3).
- Install screws (2) and (1).

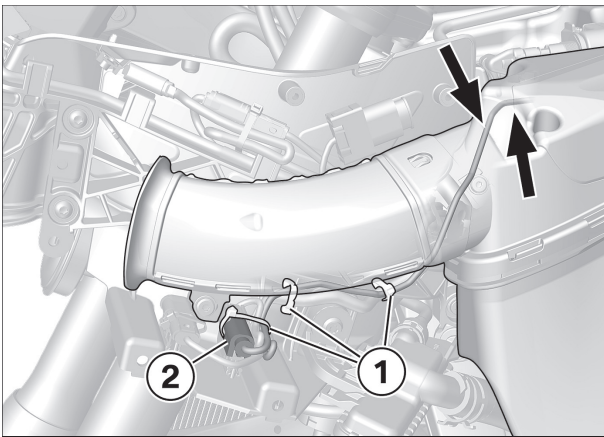
 <b>Tightening torques</b>		
<b>Fuel tank to frame</b>		
M8 x 50	19 Nm	



- Secure relay holder **(1)**.



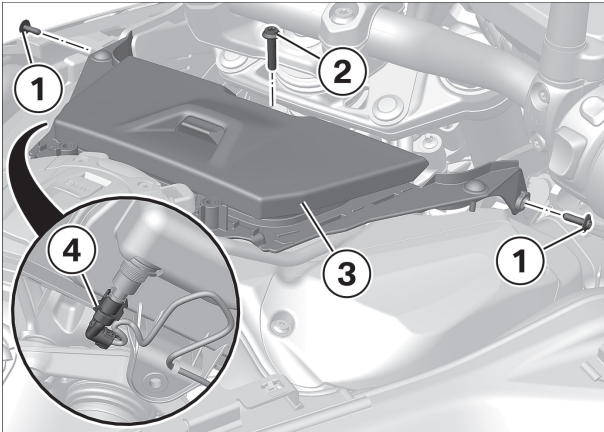
- Connect overflow hose **(1)**.
- Connect vent hose **(2)**.



- Route and secure cable **(arrows)**.
- Secure and connect connector **(2)** for the fuel filler cap.
- Install cable strap **(1)**.



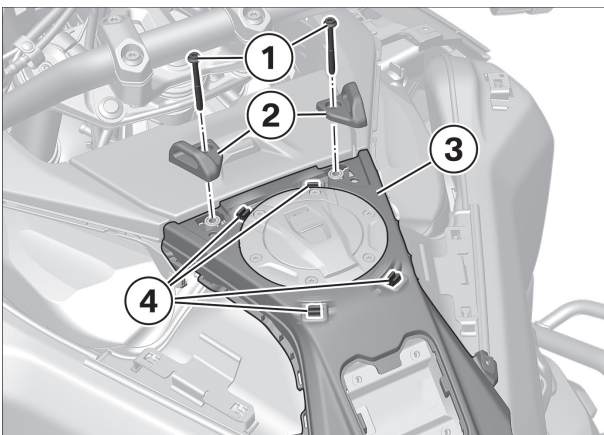
# 26



► **Installing stowage compartment**

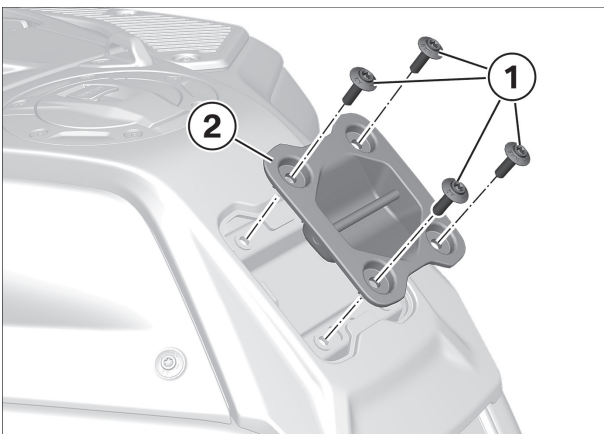
- Connect connector (4) and position storage compartment (3).
- Install screws (1) and (2).

# 27



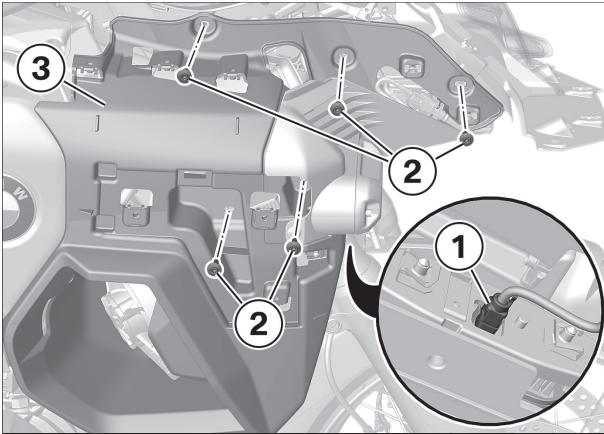
► **Installing centre tank cover**

- Position tank cover (3) and secure in clip clamps (4).
- Install mounts (2) with screws (1).



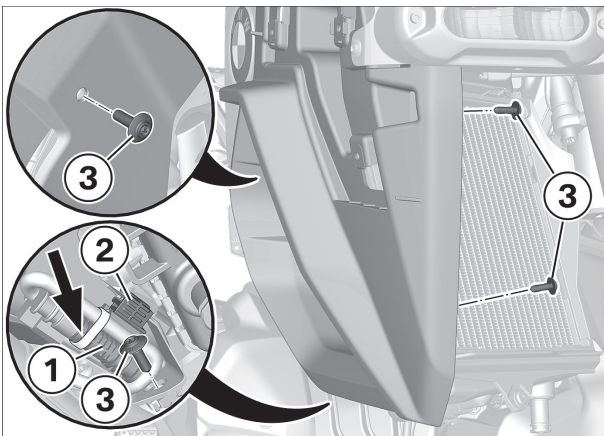
- Position holder (2).
- Install screws (1).

# 28

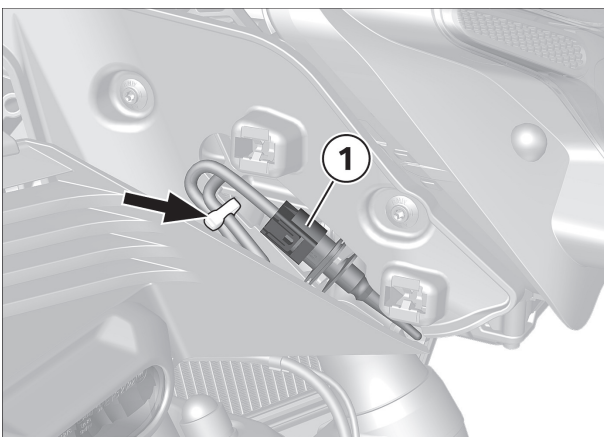


### ► Installing right exhaust duct

- First connect connector (1) for additional headlight.
- Position exhaust duct (3).
- Install screws (2).



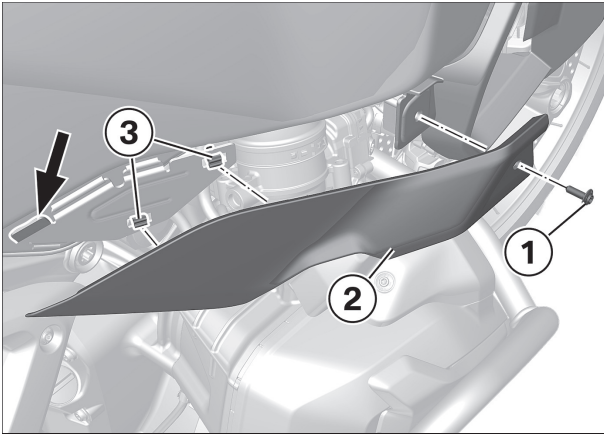
- Install screws (3).
- Secure connector (1) on connector holder (2) and connect.
- Install cable strap (arrow).



- Connect connector (1) for air temperature sensor.
- Install cable strap (arrow).

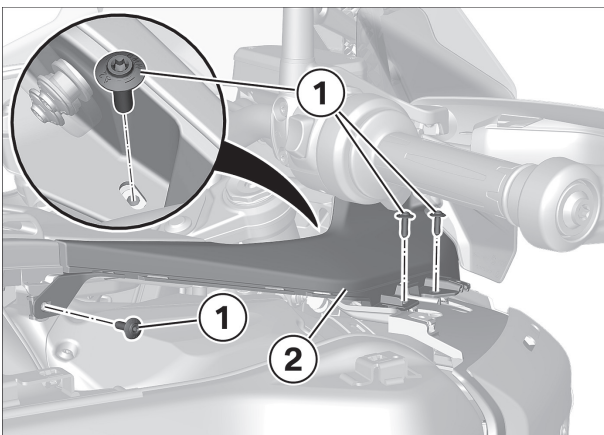


## 29

► **Installing bottom right tank cover**

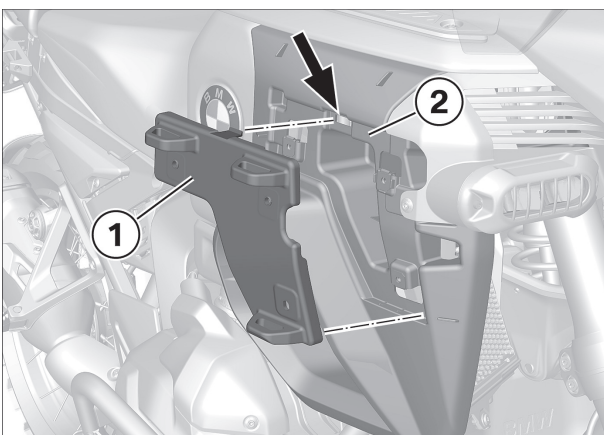
- Secure cover (2) in hook (arrow) and clip clamps (3).
- Install screw (1).

## 30

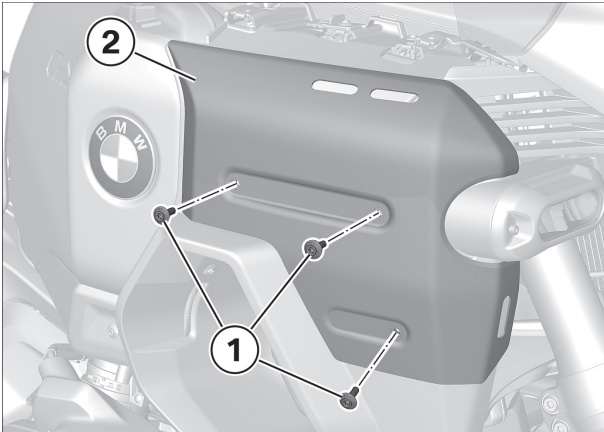
► **Installing right fairing side panel with slipstream deflector**

- Position fairing side panel (2).
- Install screws (1).

## 31

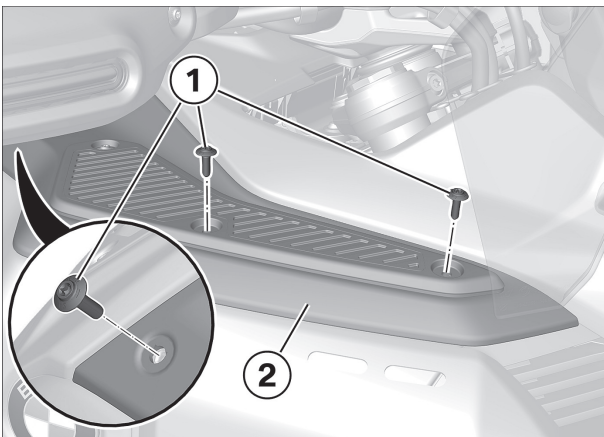
► **Installing right radiator cowl**

- with GS Trophy<sup>OE</sup> (09T2)
- Secure holder (1) in exhaust duct (2) (arrow).◇



- Align radiator cowl (2) and install screws (1).

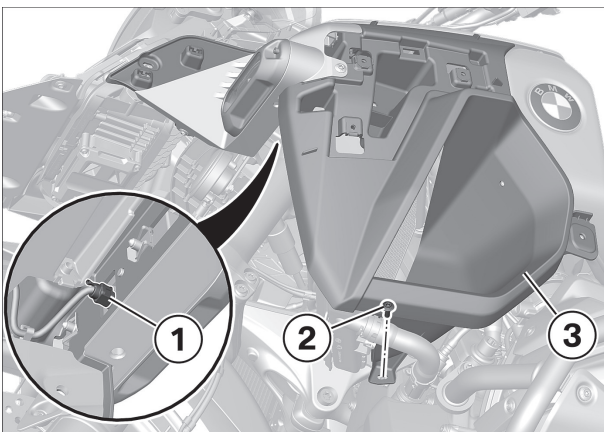
## 32



### ► Installing right fuel-tank cover

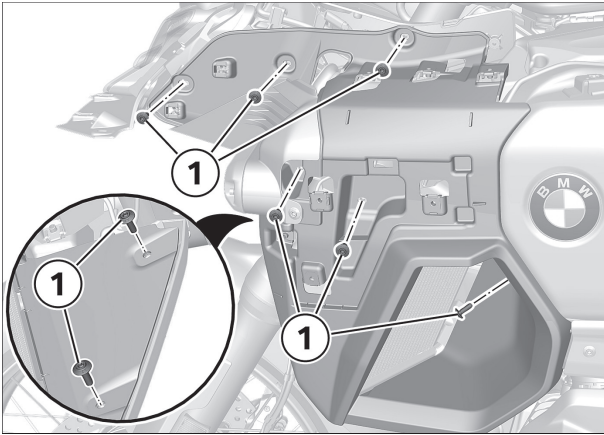
- Position tank cover (2).
- Install screws (1).

## 33



### ► Installing left exhaust duct

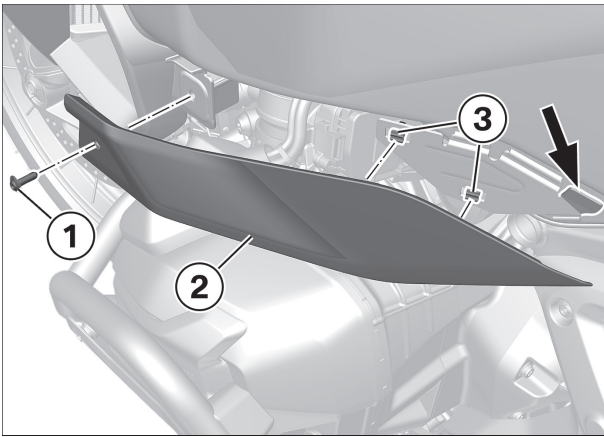
- First connect connector (1) for additional headlight.
- Position exhaust duct (3).
- Install screw (2).



- Install screws (1).



### 34

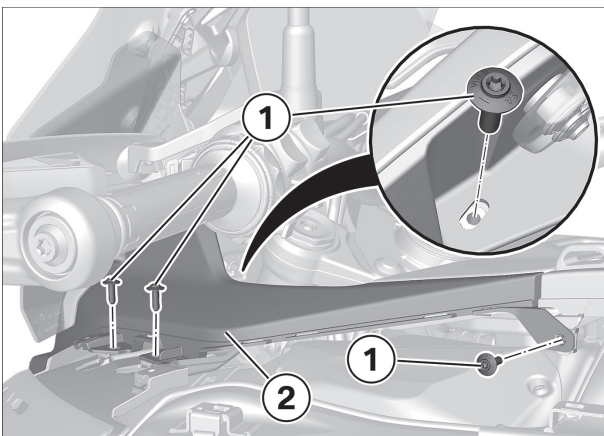


#### ► Installing bottom left tank cover

- Secure cover (2) in hook (arrow) and clip clamps (3).
- Install screw (1).



### 35

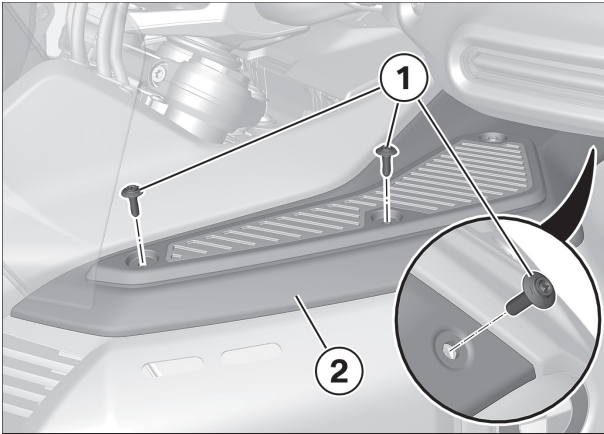


#### ► Installing left fairing side panel with slipstream deflector

- Position fairing side panel (2).
- Install screws (1).



# 36

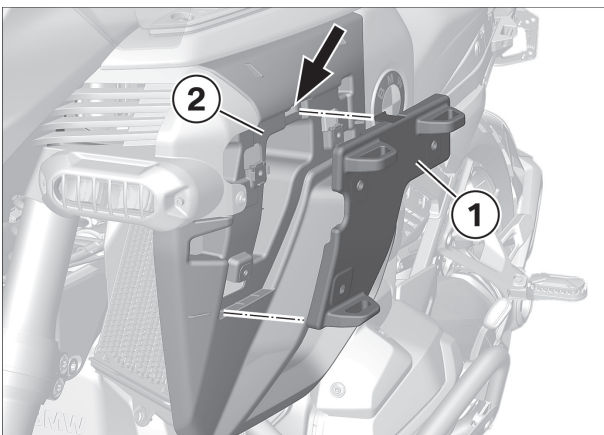


► **Installing left fuel-tank cover**

- Position tank cover (2).
- Install screws (1).

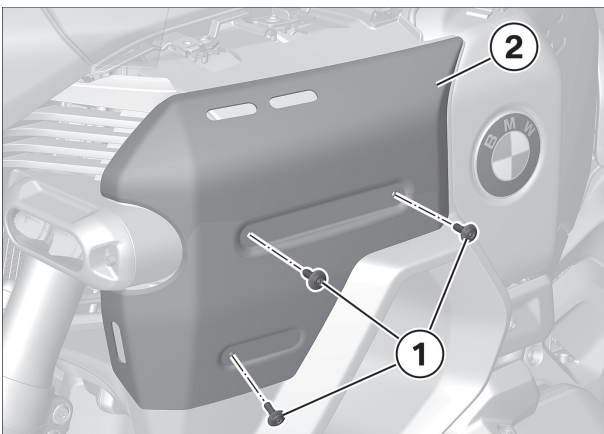


# 37



► **Installing left radiator cowl**

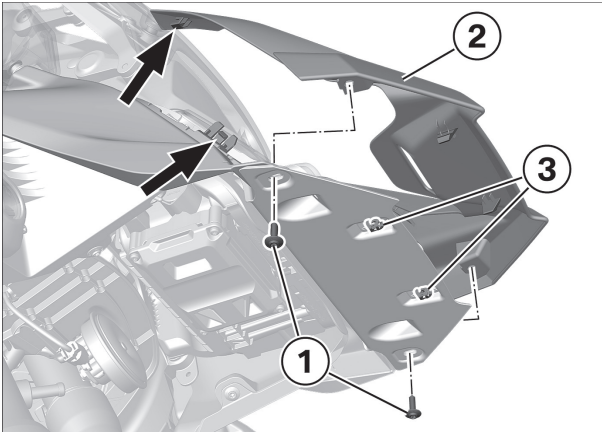
- with GS Trophy<sup>OE</sup> (09T2)
- Secure holder (1) in exhaust duct (2) (arrow).◇



- Align radiator cowl (2) and install screws (1).

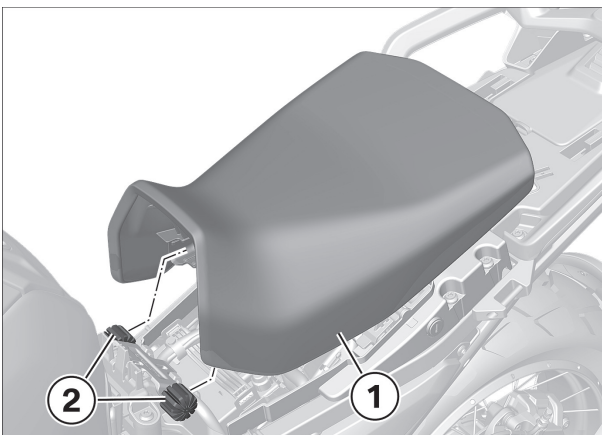


## 38

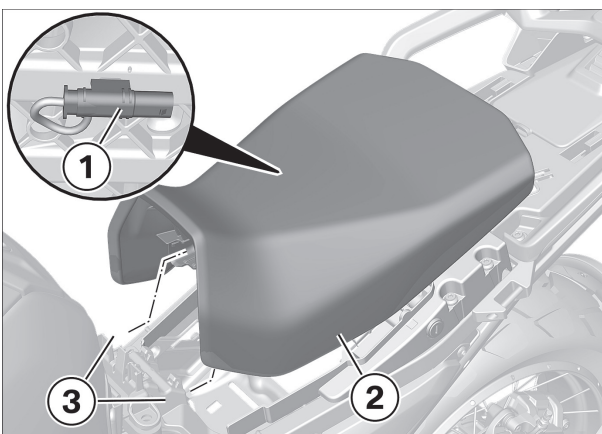
► **Installing top front-wheel cover**

- Secure front-wheel cover (2) in hooks (arrows) and clip clamps (3).
- Install screws (1).

## 39

► **Installing rider's seat**

- Attach rider's seat (1).
- » Insert rider's seat (1) in spacer buffer (2).
- Press down rider's seat (1) at the rear.
- » The front seat engages with an audible click.



– With comfort rider's seat<sup>OE</sup> (077C)

or

– with low comfort rider's seat<sup>OE</sup> (077D)

or

– with high comfort rider's seat<sup>OE</sup> (077E)

- Connect connector (1) for seat heating.
- Attach rider's seat (2).
- » Insert rider's seat (2) in spacer buffer (3).
- Press down rider's seat (2) at the rear.
- » The front seat engages with an audible click.◇

## 40

► **Final inspection of completed work**

- Ensure the following:

- The objective of the completed work was achieved.
- All operating fluids have been filled in and the fluids are at the correct fill level.
- All loosened screw connections have been retightened correctly.
- The fuel system is free of leaks.
- The lighting and signal system is functional and the vehicle is roadworthy.
- The brake pads of the front and rear wheel brakes are resting against the brake disks.

#### ▷ **Function test, engine start suppression**

##### **Check**

- Set kill switch to centred position.
- Select neutral.
- Switch on the ignition.
  - » Neutral indicator light "N" lights up.
- Select a gear.
  - » Neutral indicator light "N" goes out.
- Press the starter button.
  - » Starter does **not** operate.
- Extend the side stand.
- Pull the clutch lever.
- Press the starter button.
  - » Starter does **not** operate.
- Retract the side stand.
- Press the starter button without releasing the clutch lever.
  - » Starter operates.

##### **Result**

Not all test steps completed successfully.

##### **Measure**

- Check corresponding components with BMW Motorrad diagnosis system.

– with automated shift assistant<sup>OE</sup> (022A)

##### **Check**

- Set kill switch to centred position.
- Switch on the ignition.
  - » Neutral position "N" or roll-away protection "P" lights up.
- **Neutral position "N" lights up.**
- Press the starter button.
  - » Starter operates.
- **Roll-away protection "P" lights up.**
- Press the starter button.
  - » Starter motor does not run.
- Actuate brake **and** press starter motor button.
  - » Starter operates.
- **Engine running, gear is engaged.**
- Extend the side stand.

» Engine goes out, roll-away protection "P" lights up.

• **Engine running, neutral position "N" lights up.**

• Extend the side stand.

» Gear change not possible.

**Result**

Not all test steps completed successfully.

**Measure**

• Check corresponding components with BMW Motorrad diagnosis system.◇

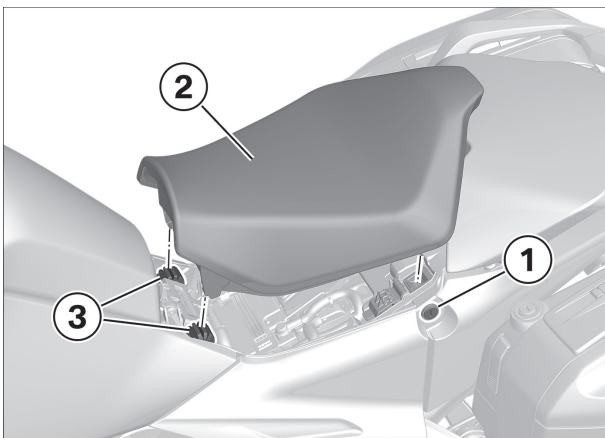


## 0M41 - R 1300 RT

### 11 31 097 Removing/installing or replacing timing chain tensioner, right cylinder

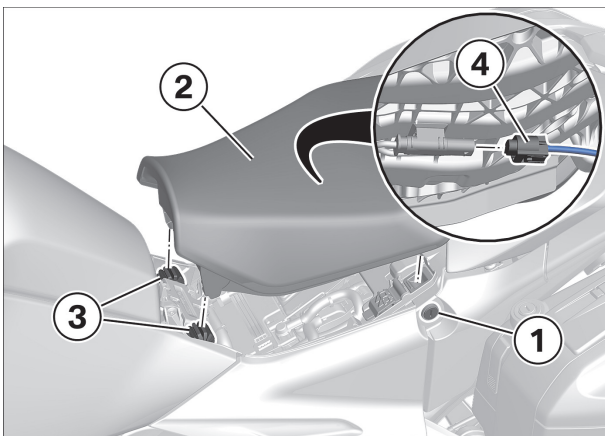
Additional work: 46 52 510 Mounting and dismounting the rear-wheel stand with special tools (for motorbikes without a centre stand)

# 1



#### ► Removing rider's seat

- Actuate seat lock (1).
- Disengage rider's seat (2) from spacer buffer (3) and remove.



– With comfort rider's seat<sup>OE</sup> (077C)

or

– with low comfort rider's seat<sup>OE</sup> (077D)

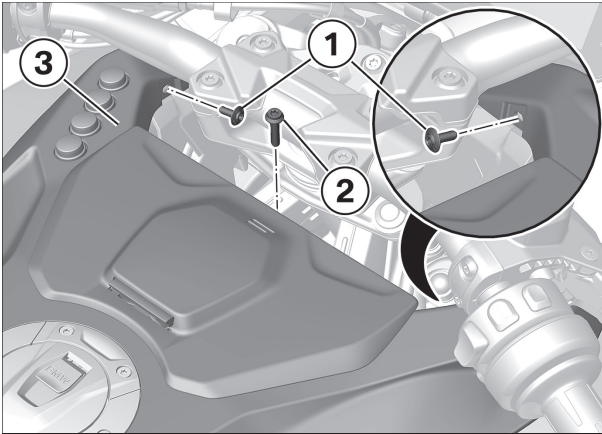
or

– with high comfort rider's seat<sup>OE</sup> (077E)

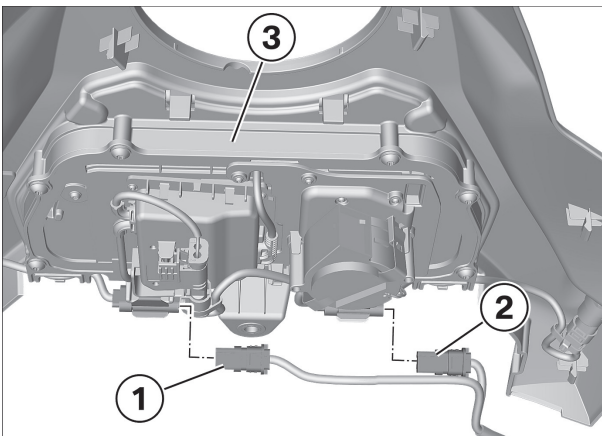
- Actuate seat lock (1).
- Disengage rider's seat (2) from spacer buffer (3) and remove.
- Disconnect connector (4) for seat heating.
- Do not twist or put strain on mating connector!◇



## 2

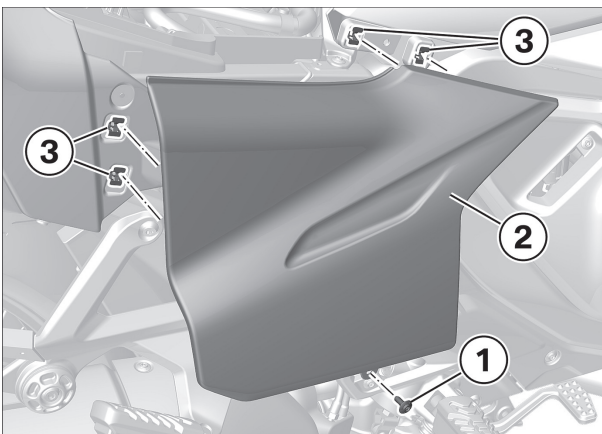
► **Removing centre fuel-tank cover**

- Remove screws (1).
- Remove screw (2).
- Loosen tank cover (3) from clip clamps.



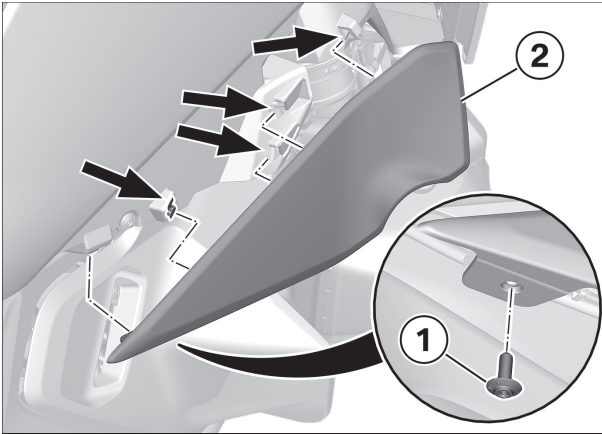
- Disconnecting connectors (1) and (2)
- Remove tank covers (3).

## 3

► **Removing right rider fairing side panel**

- Remove screw (1).
- Loosen fairing side panel (2) from clip clamps (3) and remove.

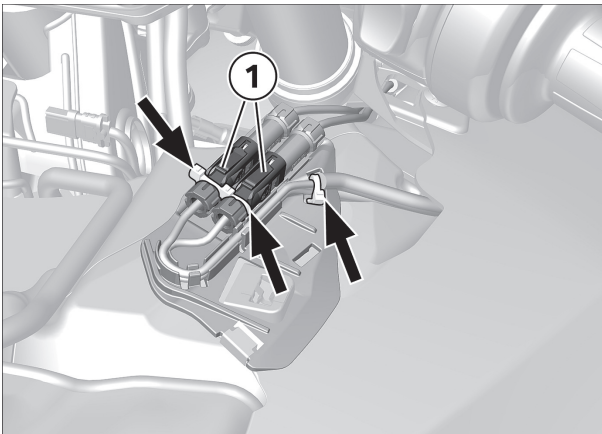
4



► **Removing bottom right tank cover**

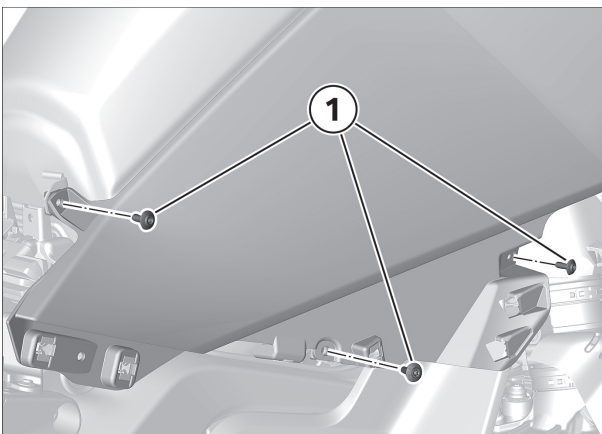
- Remove screw (1).
- Loosen cover (2) from hooks (arrows) and remove.

5

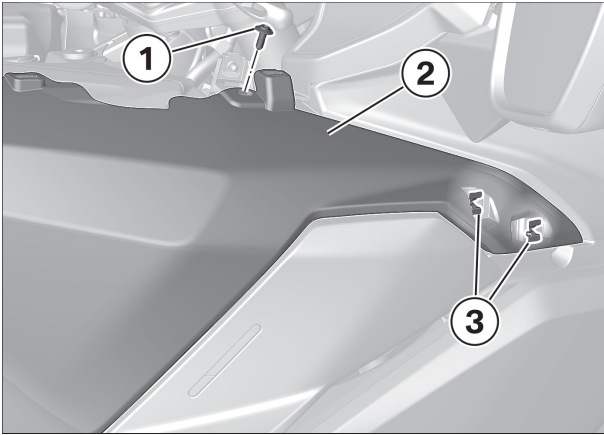


► **Removing right fuel-tank cover**

- with audio system<sup>OE</sup> (0268)
- or
- With Audio Pro<sup>OE</sup> audio system (064C)
- Remove the cable straps (arrows).
- Loosen connector (1) and disconnect.◇



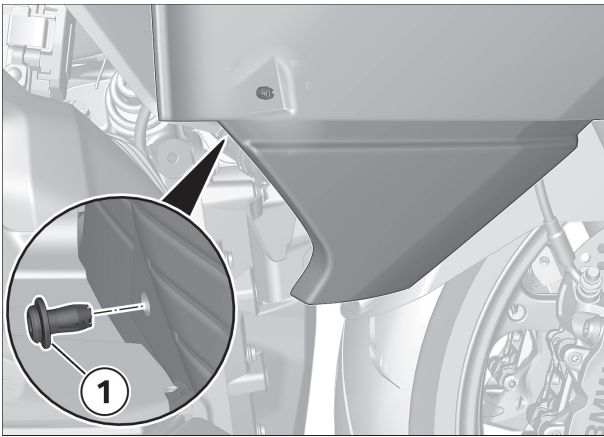
- Remove screws (1).



- Remove screw (1).
- Loosen tank covers (2) from clip clamps (3) and remove them.

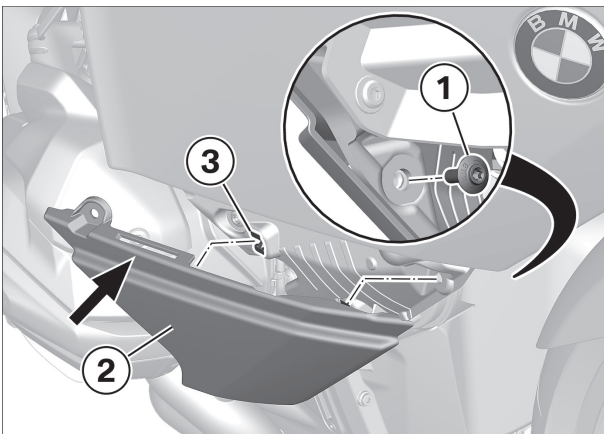


## 6

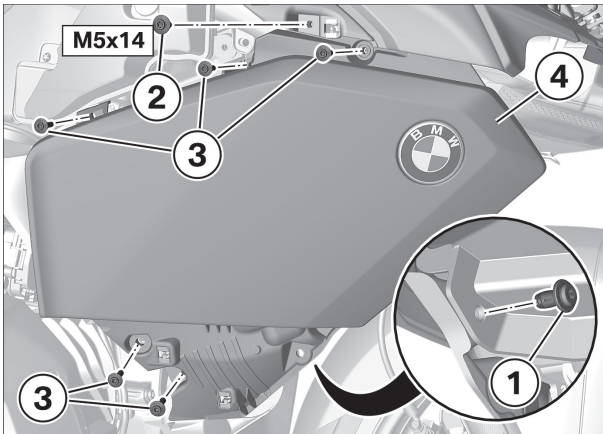


### ► Removing fairing side panel with right exhaust duct

- Remove expanding rivet (1).



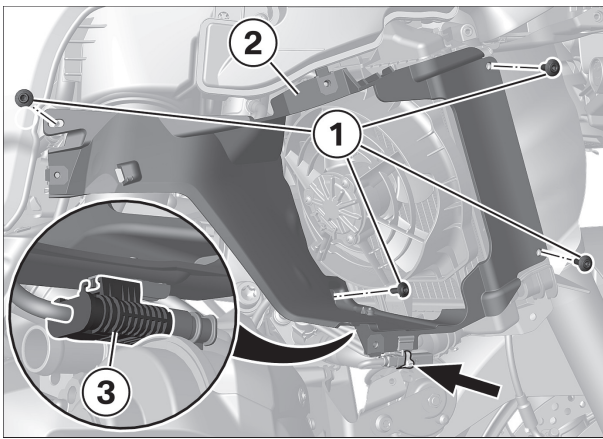
- Remove screw (1).
- Loosen trim (2) from clip clamp (3) and remove, while paying attention to hook (arrow).



- Remove expanding rivet (1).
- Remove screws (2) and (3).
- Remove exhaust duct (4).



7

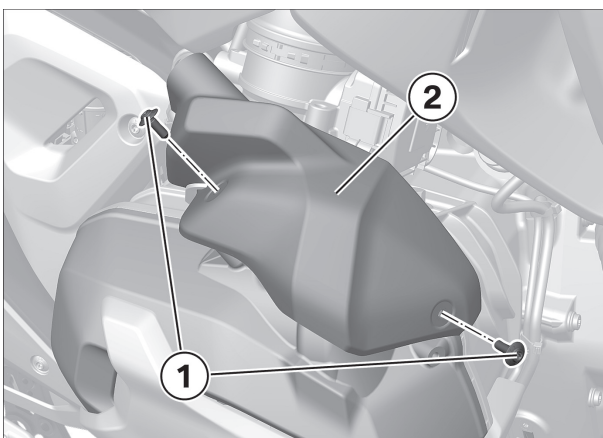


► **Removing inner right exhaust duct**

- Remove screws (1).
- Remove cable strap (arrow).
- Remove exhaust duct (2) and loosen connector (3) for the oxygen sensor.



8

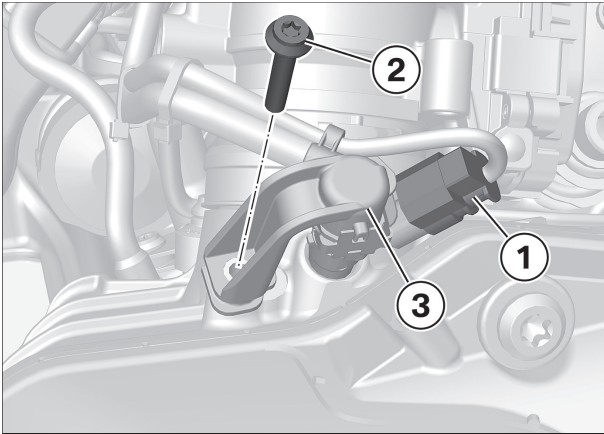


► **Removing right injection valve cover**

- Remove screws (1).
- Remove injection valve cover (2).



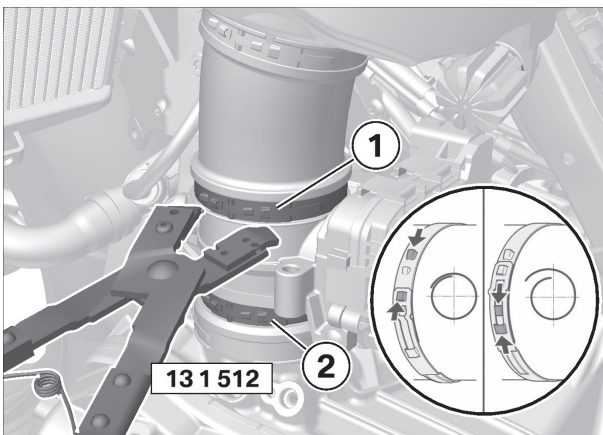
9



► **Removing right injection valve**

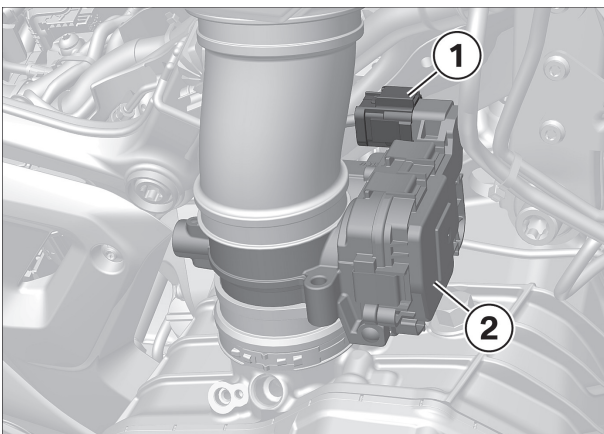
- Disconnect connector (1) for injection valve.
- Remove screw (2).
- Loosen injection valve (3).

10



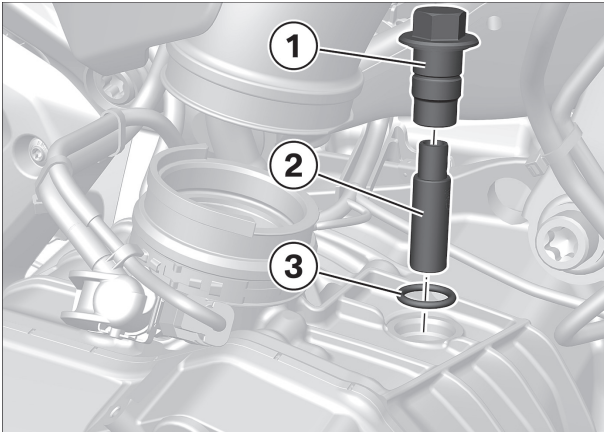
► **Disengaging right throttle-valve assembly**

- Open clamps (1) and (2) using pliers (13 1 512).



- Disconnect connector (1).
- Turn throttle valve (2) clockwise outwards until the timing chain tensioner is accessible.

11

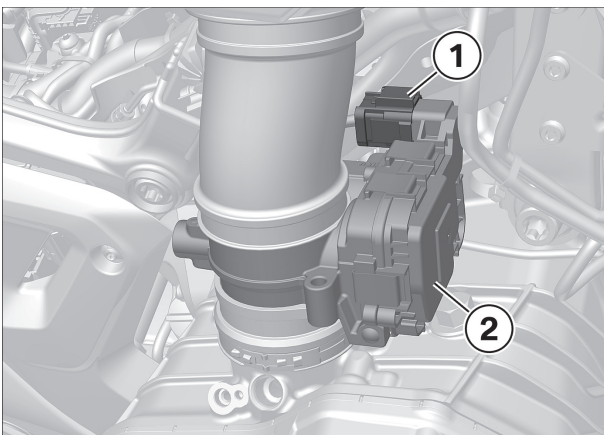


► **Replacing right timing-chain tensioner**

- Remove timing chain tensioner (1) with piston (2) and sealing ring (3).
- Install new timing chain tensioner (1) with piston (2) and **new** sealing ring (3).

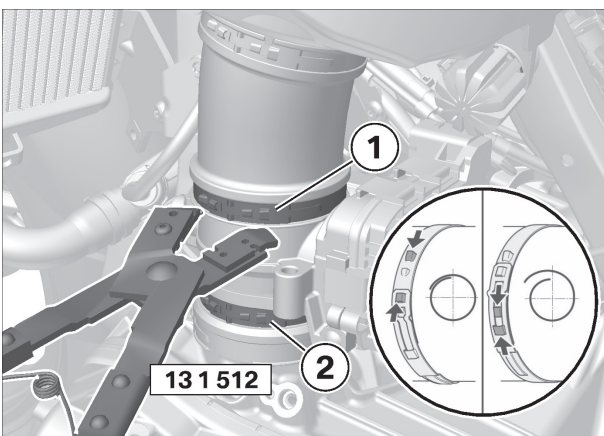
Tightening torques		
Screw plug for chain tensioner to cylinder		
M18 x 1.5	32 Nm	

12



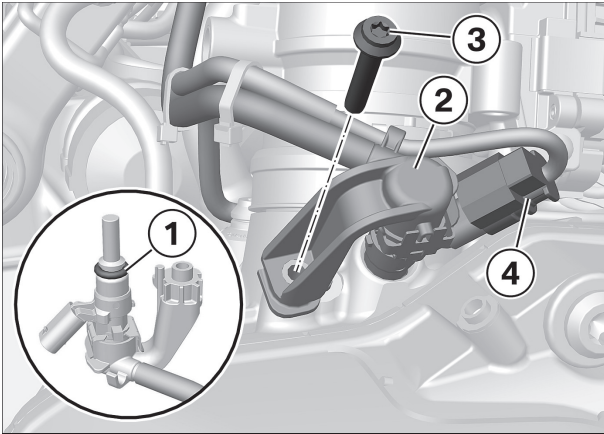
► **Securing right throttle-valve assembly**

- Connect connector (1).
- Turn throttle valve (2) to mounting orientation.
- Pay attention to the edge in the rubber sleeve!



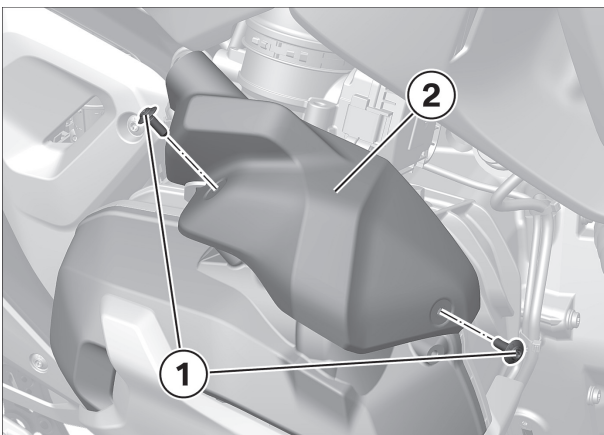
- Install clamps (1) and (2) using pliers (13 1 512).

## 13

▶ **Securing right injection valve**

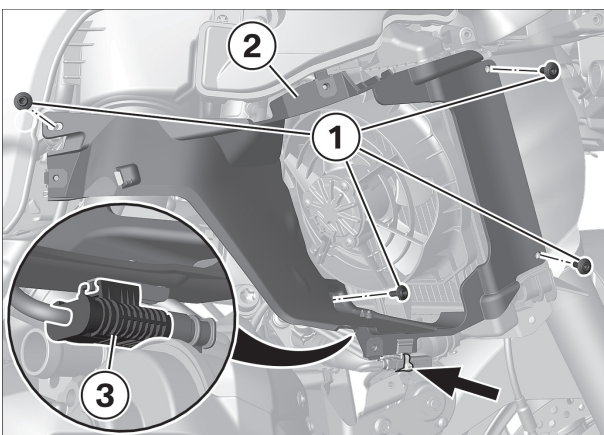
- Check O-ring **(1)** for damage; replace O-ring if swollen or damaged.
- Install injection valve **(2)**.
- Install screw **(3)**.
- Connect connector **(4)** for injection valve.

## 14

▶ **Installing right injection-valve cover**

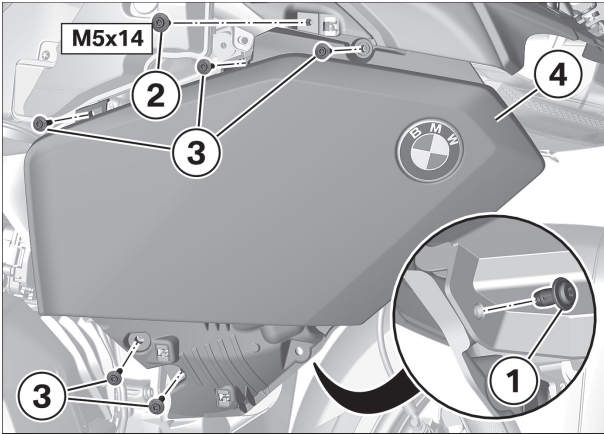
- Install injection valve cover **(2)**.
- Install screws **(1)**.

## 15

▶ **Installing inner right exhaust duct**

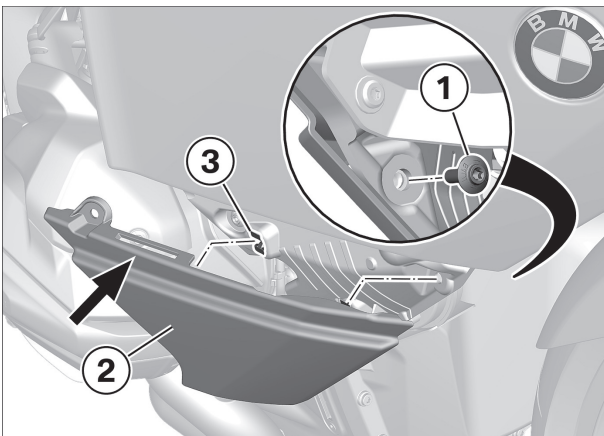
- Align exhaust duct **(2)** and secure connector **(3)** for oxygen sensor.
- Install screws **(1)**.
- Install cable strap **(arrow)**.

# 16

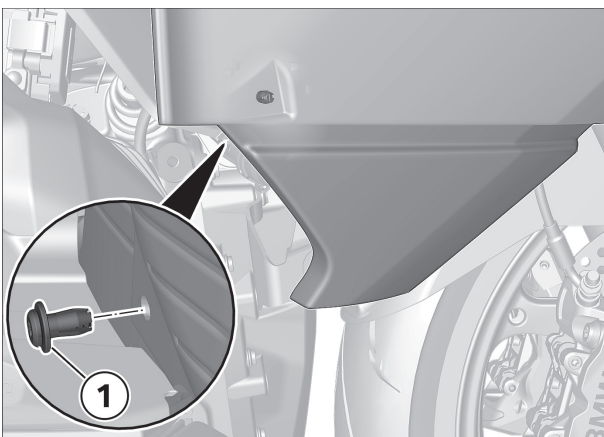


### ► Installing fairing side panel with right exhaust duct

- Position exhaust duct **(4)**.
- Install screws **(2)** and **(3)**.
- Install expanding rivet **(1)**.



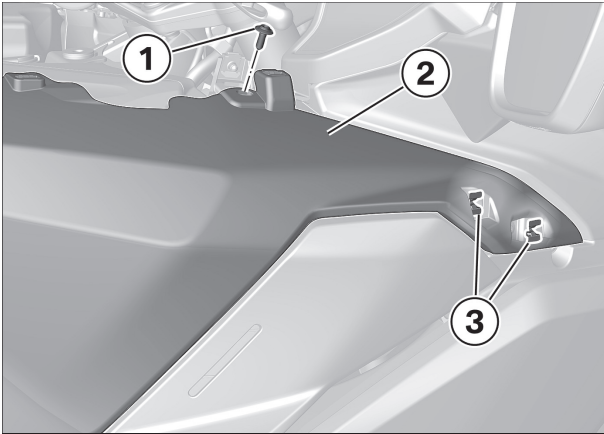
- Align exhaust duct **(2)**, while paying attention to hook **(arrow)**.
- Secure exhaust duct **(2)** in clip clamp **(3)**.
- Install screw **(1)**.



- Install expanding rivet **(1)**.

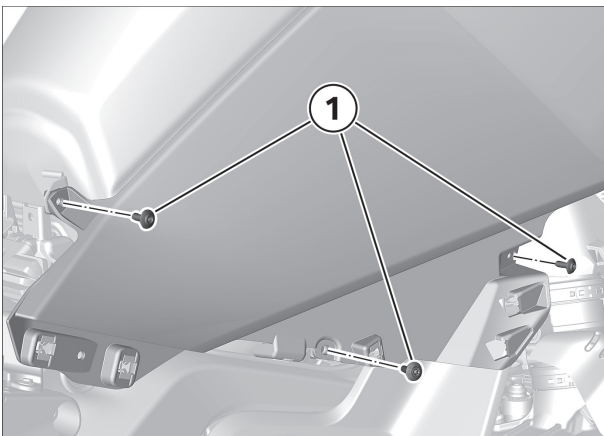


17

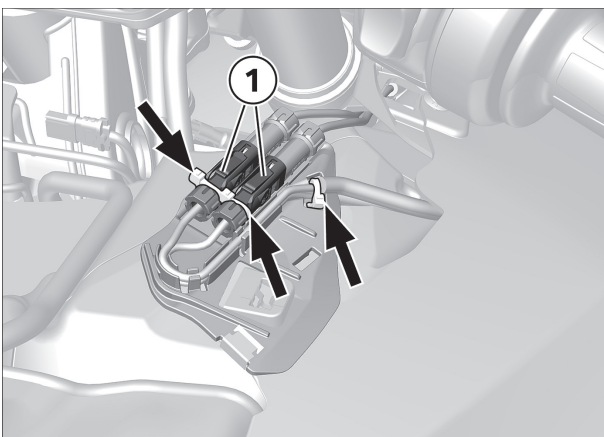


► **Installing right fuel-tank cover**

- Secure tank covers (2) in clip clamps (3).
- Install screw (1).



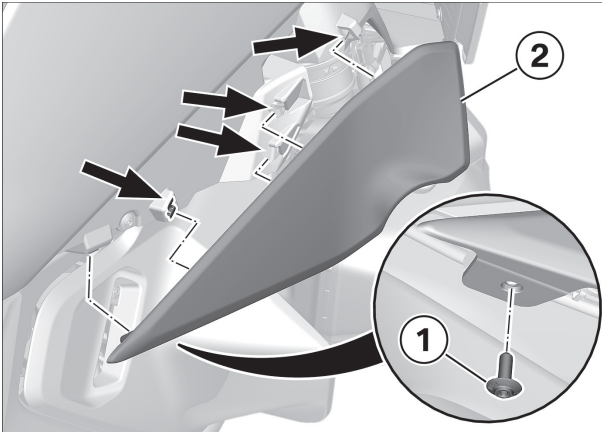
- Install screws (1).



- with audio system<sup>OE</sup> (0268)
- or
- With Audio Pro<sup>OE</sup> audio system (064C)
- Connect connector (1) and secure.
- Install cable strap (arrows).◇



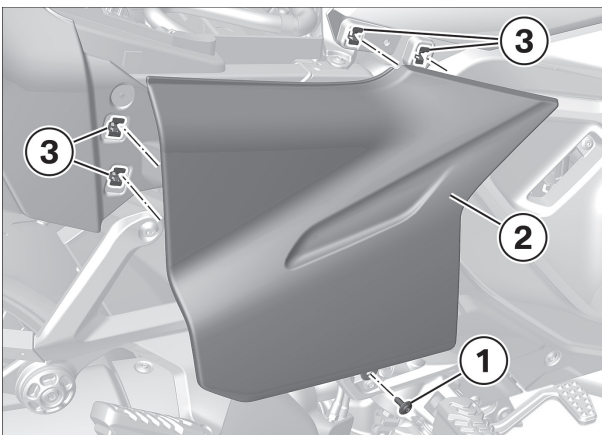
18



► **Installing bottom right tank cover**

- Secure cover (2) in hook (arrows).
- Install screw (1).

19

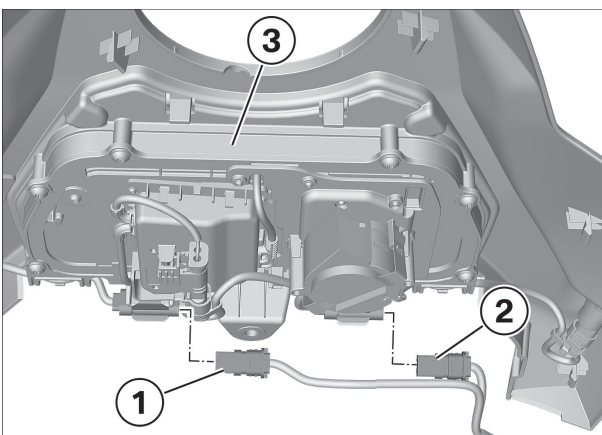


► **Installing right rider fairing side panel**

- Position fairing side panel (2) and secure in clip clamps (3).
- Install screw (1).

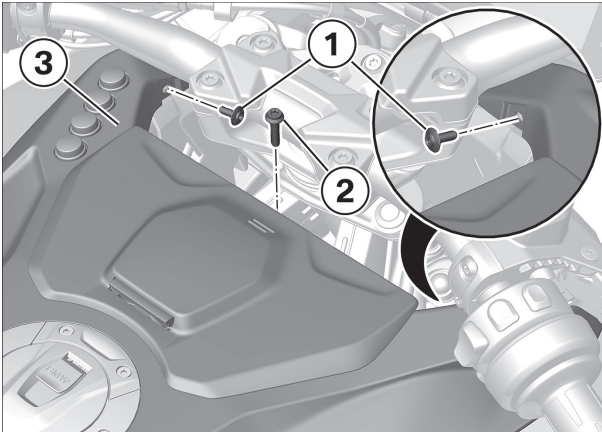
Tightening torques		
Fairing side panel, rider		
M5 x 14, Renew screw	2 Nm	
Thread-locking compound (micro-encapsulated)		

20



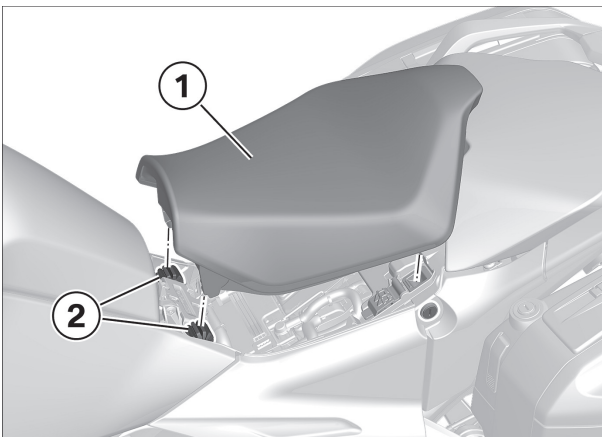
► **Installing centre tank cover**

- Position tank cover (3).
- Connect connector (1) and (2).



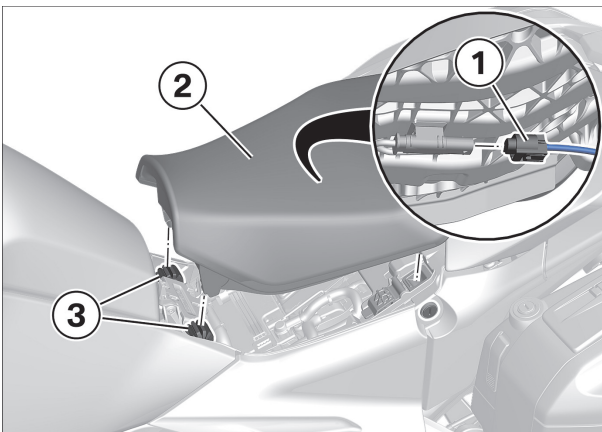
- Secure tank cover **(3)** in clip clamps.
- Install screws **(2)** and **(2)**.

## 21



### ► Installing rider's seat

- Insert rider's seat **(1)** in rubber buffer **(2)**.
- Press down rider's seat **(1)** at the rear.
- » The front seat engages with an audible click.



- With comfort rider's seat<sup>OE</sup> (077C)
- or
- with low comfort rider's seat<sup>OE</sup> (077D)
- or
- with high comfort rider's seat<sup>OE</sup> (077E)
- Connect connector **(1)** for seat heating.
- Attach rider's seat **(2)**.
- » Insert rider's seat **(2)** in spacer buffer **(3)**.
- Press down rider's seat **(2)** at the rear.
- » The front seat engages with an audible click.◇

## 22

### ► Final inspection of completed work

- Ensure the following:
  - The objective of the completed work was achieved.
  - All operating fluids have been filled in and the fluids are at the correct fill level.

- All loosened screw connections have been retightened correctly.
- The fuel system is free of leaks.
- The lighting and signal system is functional and the vehicle is roadworthy.
- The brake pads of the front and rear wheel brakes are resting against the brake disks.

#### ▷ **Function test, engine start suppression**

##### **Check**

- Set kill switch to centred position.
- Select neutral.
  - » Neutral indicator light "N" lights up.
- Select a gear.
  - » Neutral indicator light "N" goes out.
- Press the starter button.
  - » Starter does **not** operate.
- Extend the side stand.
  - Pull the clutch lever.
  - Press the starter button.
    - » Starter does **not** operate.
  - Retract the side stand.
- Press the starter button without releasing the clutch lever.
  - » Starter operates.

##### **Result**

Not all test steps completed successfully.

##### **Measure**

- Check corresponding components with BMW Motorrad diagnosis system.

– with automated shift assistant<sup>OE</sup> (022A)

##### **Check**

- Set kill switch to centred position.
- Switch on the ignition.
  - » Neutral position "N" or roll-away protection "P" lights up.
- **Neutral position "N" lights up.**
- Press the starter button.
  - » Starter operates.
- **Roll-away protection "P" lights up.**
- Press the starter button.
  - » Starter motor does not run.
- Actuate brake **and** press starter motor button.
  - » Starter operates.
- **Engine running, gear is engaged.**
- Extend the side stand.
  - » Engine goes out, roll-away protection "P" lights up.
- **Engine running, neutral position "N" lights up.**
- Extend the side stand.

» Gear change not possible.

**Result**

Not all test steps completed successfully.

**Measure**

- Check corresponding components with BMW Motorrad diagnosis system.◇

