



SIB 61 02 20

2021-06-14

**SERVICE ACTION: WIRING HARNESS ABRASION PROTECTION**

This Service Information Bulletin replaces SI 61 02 20 **dated September 2020**.

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

**MODEL**

| Model | Model Description |
|-------|-------------------|
| K67   | S 1000 RR         |
| K69   | S 1000 XR         |

The affected vehicles have been marked with campaign number 0061440000

In order to determine if a specific vehicle 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**

The engine wiring harness may chafe on the honeycomb structure of the frame. In case of damage to the wiring harness, the wake-up line of the instrument cluster will be damaged. The instrument cluster will no longer be activated with "Ignition ON".

**CORRECTION**

Inspect the wiring harness for damage and install wiring protection as detailed in the attached Repair Instruction "00 60 358 - Retrofitting abrasion protection for wiring harness".



## **PARTS INFORMATION**

| Part Number        | Description             | Quantity  |
|--------------------|-------------------------|-----------|
| 46 51 7 924<br>378 | Abrasion protection set | 1         |
| 61 13 1 372<br>391 | Cable straps            | as needed |

## **WARRANTY INFORMATION**

Covered under the terms of the BMW New Vehicle Limited Warranty for Motorcycles.

### **Defect code**

|                |                                                   |
|----------------|---------------------------------------------------|
| 00 61 44 00 00 | Converting abrasion protection for wiring harness |
|----------------|---------------------------------------------------|

### **Labor Operation**

|           |                                                 |                            |
|-----------|-------------------------------------------------|----------------------------|
| 00 60 858 | Retrofit abrasion protection for wiring harness | 3 FRU - K67<br>6 FRU - K69 |
|-----------|-------------------------------------------------|----------------------------|

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.

In case of a necessary wiring harness repair, the required working time must be indicated with Labor Operation Number 61 11 013 and work explained.

## **QUESTIONS REGARDING THIS BULLETIN**

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Technical inquires | Please contact the Motorrad Technical Support Group   |
| Warranty inquires  | Submit an IDS ticket to the Warranty Department       |
| Parts inquires     | Submit an IDS ticket to the Motorrad Parts Department |

### Supporting Materials

[picture\\_as\\_pdf 61 02 20 SA Wiring Harness Abrasion Protection.pdf](#)

[picture\\_as\\_pdf RM\\_0060358\\_0061440000\\_K69\\_EN.pdf](#)

[picture\\_as\\_pdf RM\\_0060358\\_0061440000\\_K67\\_EN.pdf](#)

# Service Information Bulletin

General Electrical Systems

June 14, 2021

61 02 20

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**BMW  
MOTORRAD**

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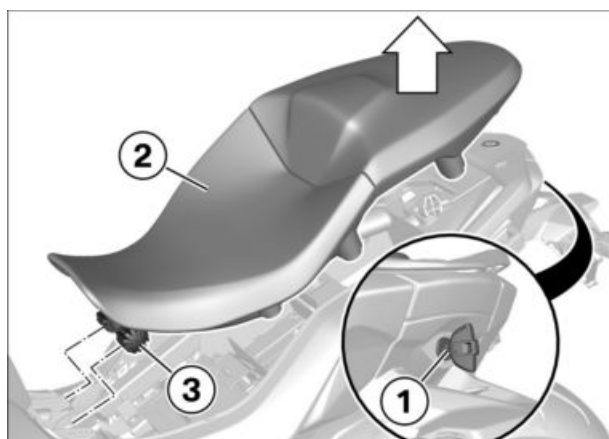
## 0E41 - S 1000 XR

### 00 60 358 Retrofit abrasion protection for wiring harness

– without centre stand<sup>OE</sup> (0636)

Additional work: 46 52 510 Removing and installing the rear-wheel stand special tool (motorcycles without centre stand)◇

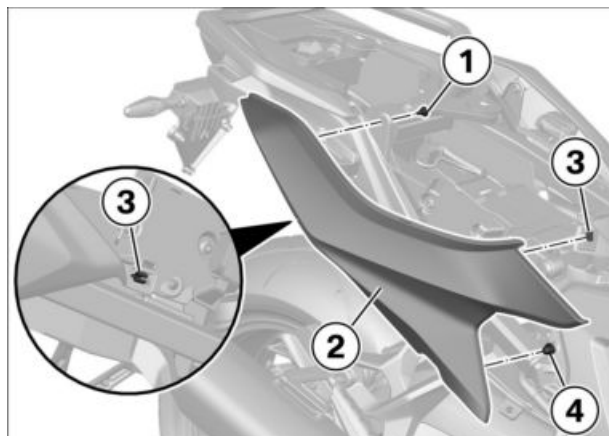
# 1



#### ► Removing seat

- Unlock seat lock **(1)** with ignition key, lift seat **(2)** at rear and remove with buffers **(3)** from holder.

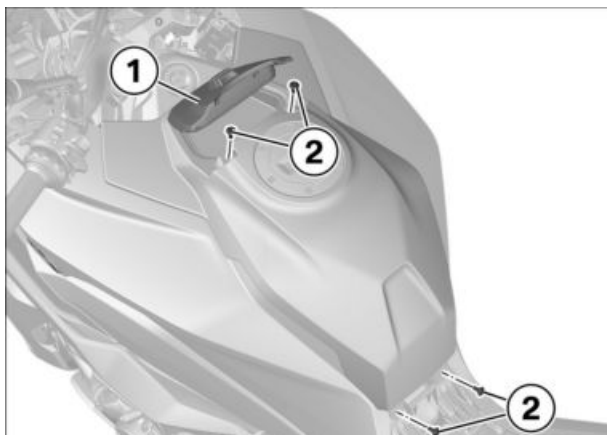
# 2



#### ► Removing right rear trim panel

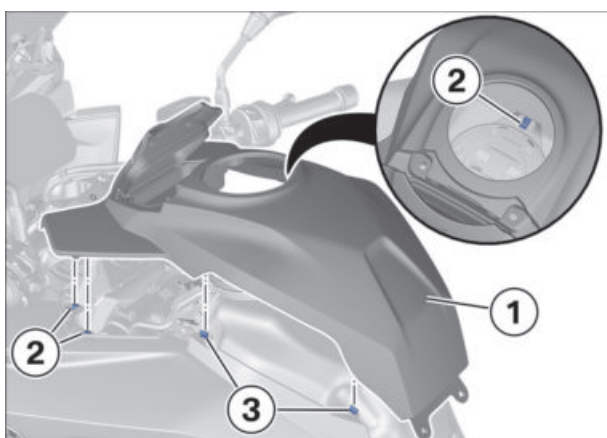
- Remove bolt **(1)**.
- Detach rear trim panel **(2)** from retaining clips **(3)** and retaining pin **(4)** and remove.

### 3



#### ► Removing the centre cover of fuel tank

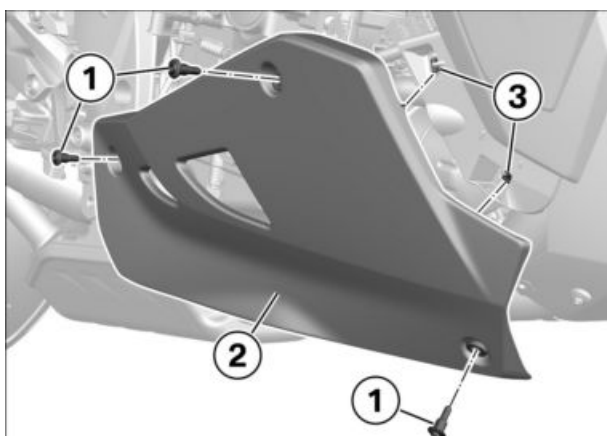
- Open storage compartment lid **(1)**.
- Remove screws **(2)**.



- Remove cover **(1)** to the top, detaching it from the retaining clips **(2)** and from the retaining lugs **(3)** on the left and right.



### 4

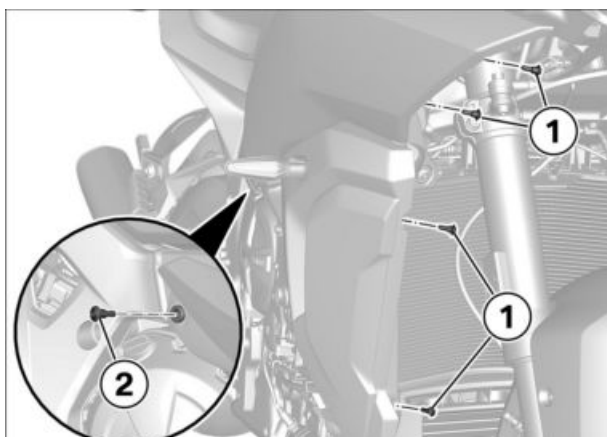


#### ► Removing right engine spoiler

- Remove screws **(1)**.
- Loosen engine spoiler **(2)** from mounting clips **(3)** and remove.

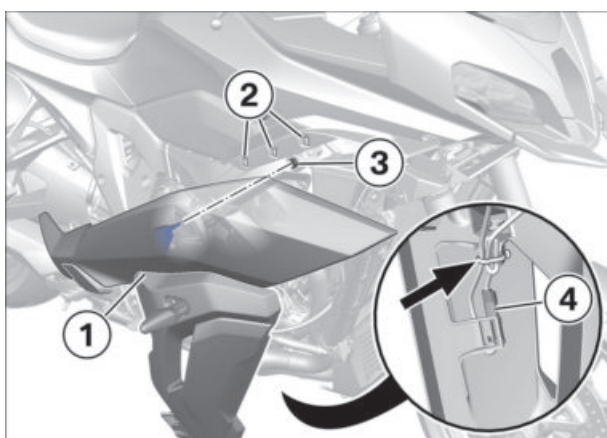


## 5



### ► Removing right side panel

- Remove nuts **(1)** and screws **(2)**.



- Pull right fairing side panel **(1)** out of mounting clips **(2)** and rubber grommet **(3)**.
- Open the cable strap **(arrow)**.
- Remove and disconnect plug connection **(4)** for right turn indicator.



## 6

### ► Removing front right inboard cover

#### Requirement

Windscreen in upper position

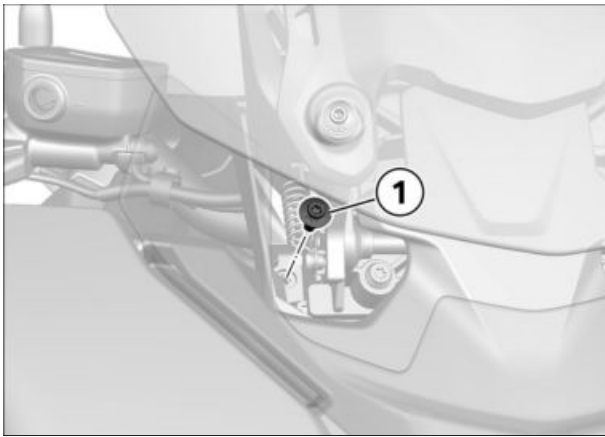


#### ATTENTION

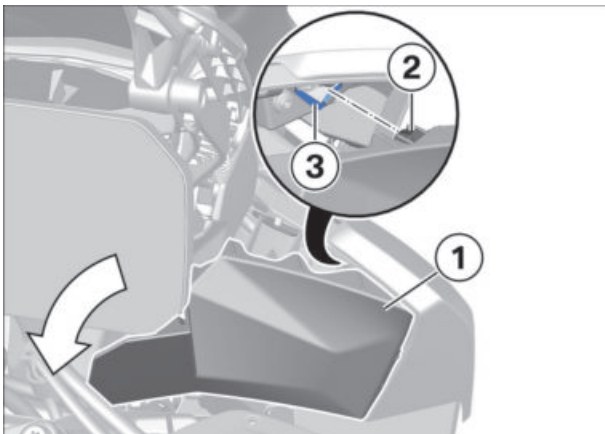
#### Use of hard or sharp-edged objects in proximity to component

Component damage

- Take care not to scratch components; cover or mask as necessary.



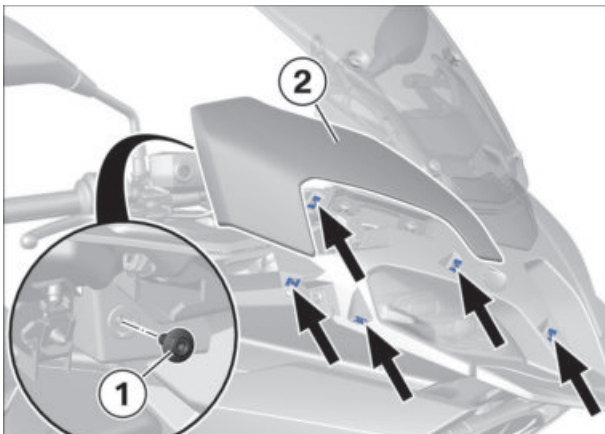
- Remove bolt **(1)**.



- Swing front right inboard cover **(1)** to the back detaching mounting clip **(2)** from recess **(3)**.
- Remove inboard cover **(1)**.



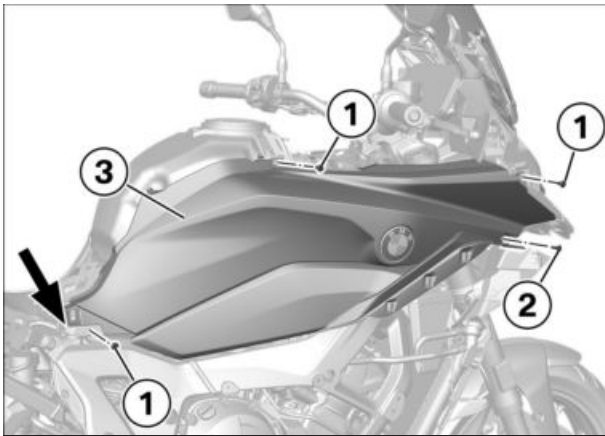
## 7



### ► Removing top section of fairing, right

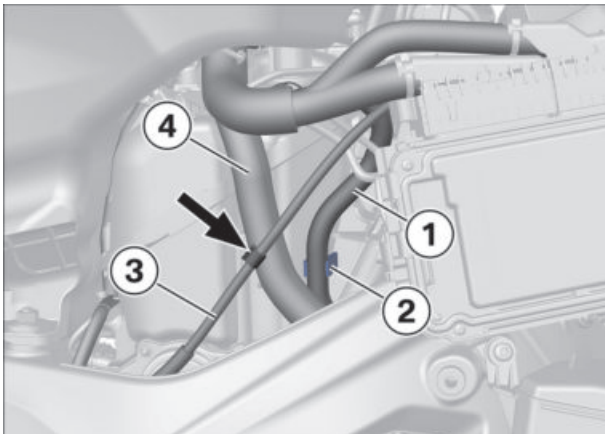
- Remove bolt **(1)**.
- Detach fairing top section **(2)** from retaining clips **(arrows)** and remove.





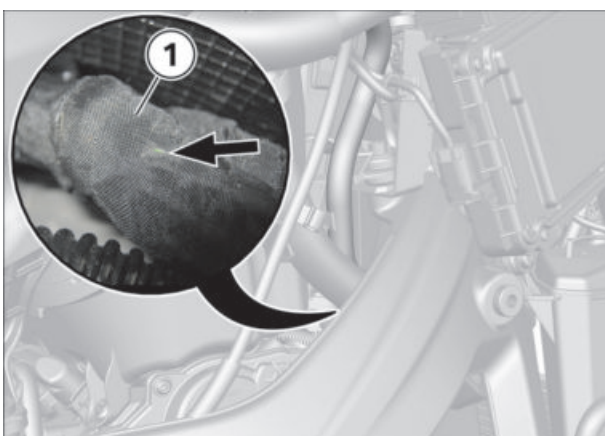
### ► Removing right fuel-tank cover

- Remove nuts **(1)** and screws **(2)**.
- Detach fuel tank cover **(3)** on right from fuel tank **(arrow)** and remove.



### ► Converting abrasion protection for wiring harness

- Loosen hose for secondary air system **(1)** from holder **(2)** and place in front of it.
- Loosen cable strap with holder **(arrow)** for hydraulic line **(3)**.
- Push wiring harness **(4)** carefully toward the intake silencer.



### ▷ Check wiring harness for chafe marks

#### Check

- Check wiring harness **(1)** for damage **(arrow)**.

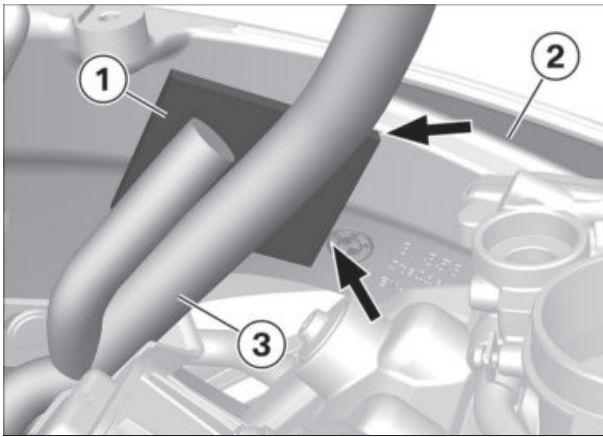
#### Result

Wiring harness **(1)** has surface damage (for instance chafed or torn spots).

#### Measure

- Wrap wiring harness with fabric adhesive tape (61 0 631).





## ATTENTION

### Improper routing of wiring harness and contact with frame

Chafing at wiring harness

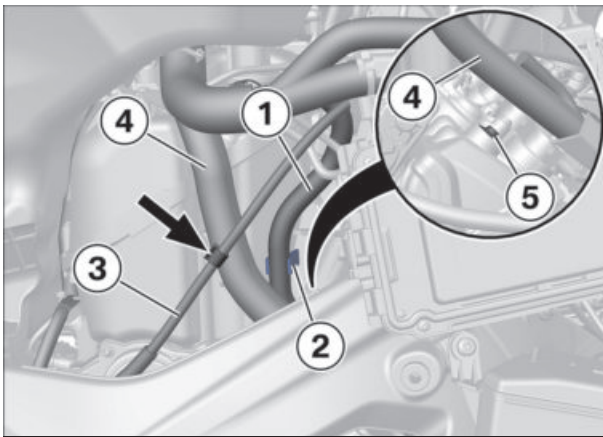
- Install protective film between frame and wiring harness.

- Clean the frame surface in the adhesive area and allow to vent.

## NOTICE

Faces that will be in contact with the adhesive must be dry, clean and free from dust and grease.

- Slide in protective film (1) carefully between frame (2) and wiring harness (3).
- Align protective film (1) on badge (arrow) and edge of the recess in the frame (arrow) and affix.
- Check position wiring harness to protective film. (Wiring harness only touches protective film, not frame.)



## ATTENTION

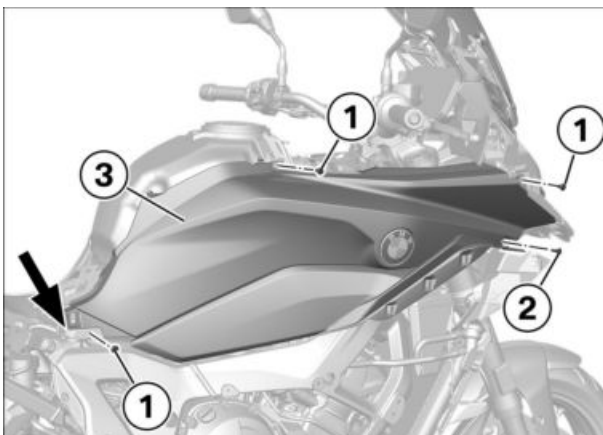
### Improper routing of wiring harness and contact to screw connection of cylinder head cover

Chafing at wiring harness

- Install wiring harness with distance to screw connection of the cylinder head cover.

- Secure hose for secondary air system (1) in holder (2)
- Position the wiring harness (4) making sure there is a gap and it does not touch the bolt (5) for the cylinder head cover.
- Secure cable strap with holder (arrow) for hydraulic line (3).
- Check position of hydraulic line (3).

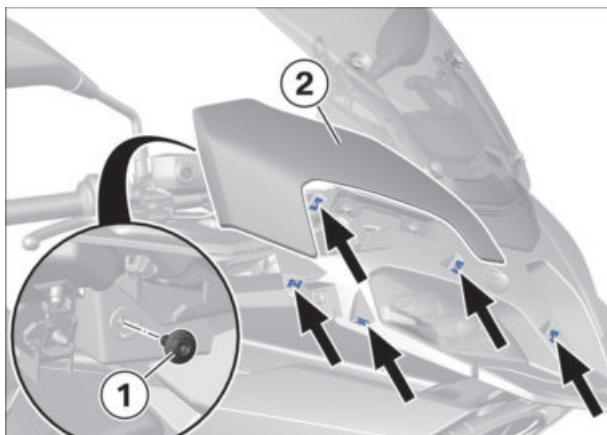
# 10



## ► Installing right fuel-tank cover

- Attach fuel tank cover (3) on right on fuel tank (arrow) and install.
- Install screws (short collar) (1) and screw (long collar) (2).

# 11



## ► Installing top section of fairing, right

- Secure fairing top section **(2)** in retaining clips **(arrows)** and install.
- Install bolt **(1)**.



# 12

## ► Installing front right inner trim

### Requirement

Windscreen in upper position

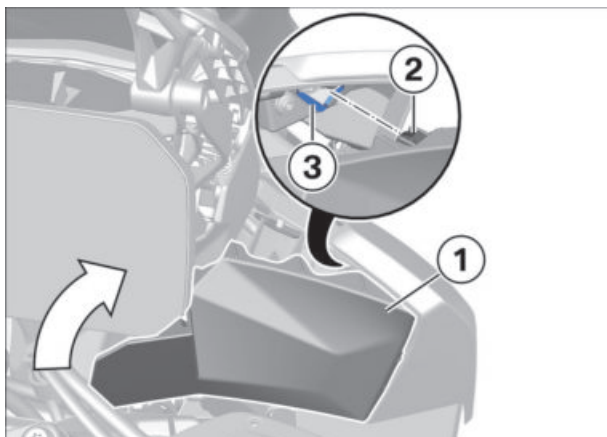


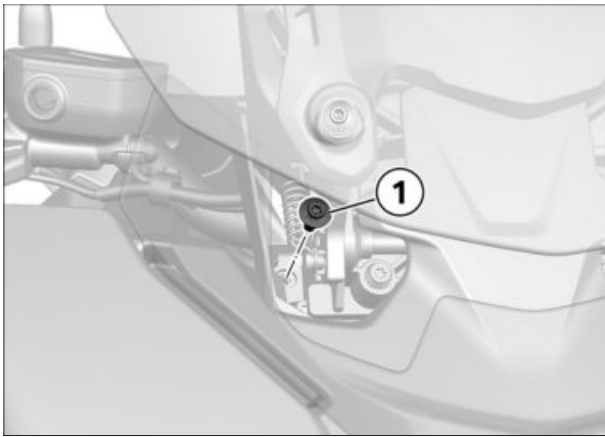
### ATTENTION

#### Use of hard or sharp-edged objects in proximity to component

Component damage

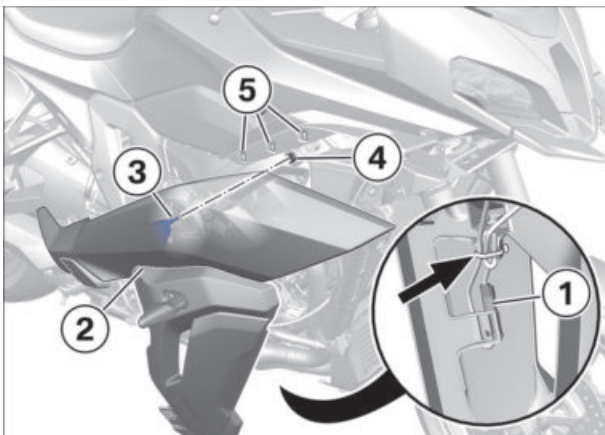
- Take care not to scratch components; cover or mask as necessary.
- Fit front right inboard cover **(1)** swinging it inward engaging mounting clip **(2)** in recess **(3)**.





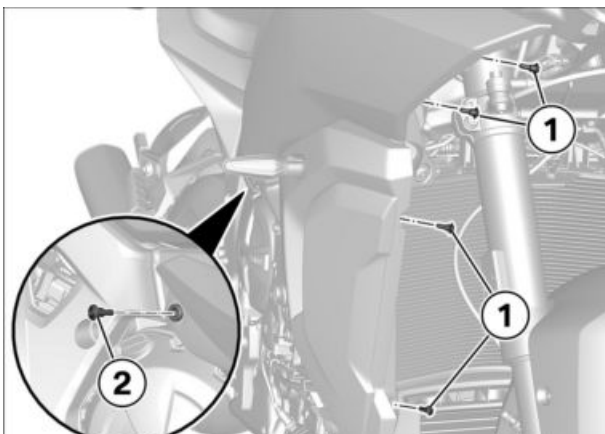
- Install bolt **(1)**.

## 13



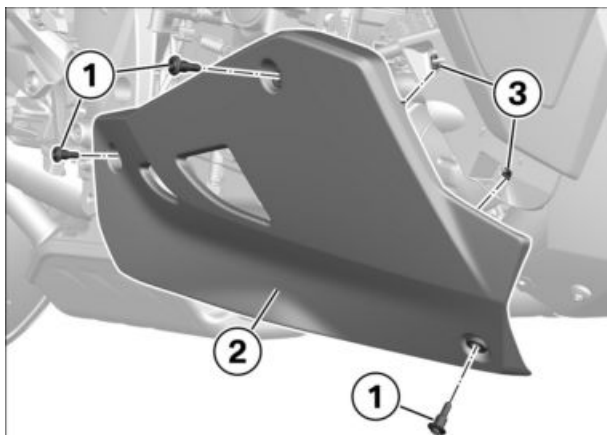
### ► Installing right side panel

- Connect plug connection **(1)** for right turn indicator and secure on fairing side panel **(2)**.
- Secure the cable strap **(arrow)**.
- Fit right fairing side panel **(2)** inserting guide pin **(3)** in rubber grommet **(4)**.
- Install fairing side panel **(2)** securing it in mounting clips **(5)**.



- Install screws (short collar) **(1)** and screw (long collar) **(2)**.

# 14

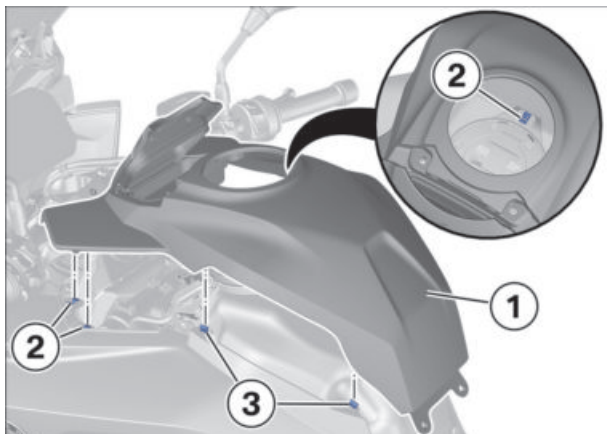


## ► Installing right engine spoiler

- Install engine spoiler **(2)** and secure in mounting clips **(3)**.
- Install screws **(1)**.

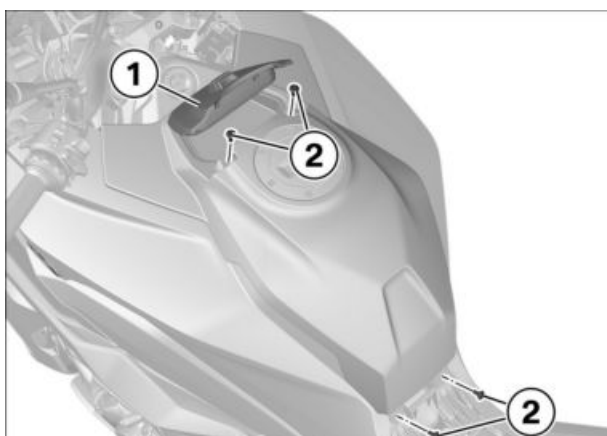


# 15



## ► Installing centre cover of fuel tank

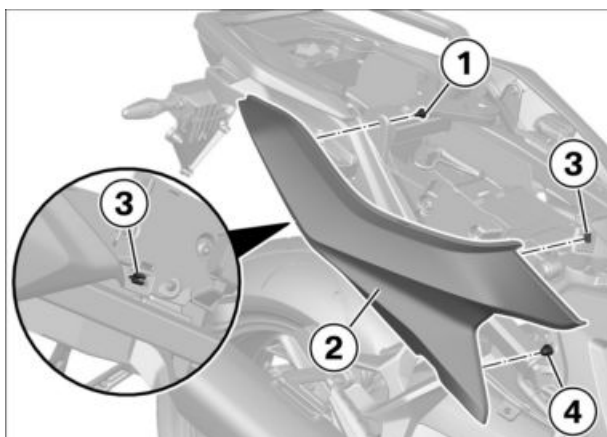
- Install cover **(1)** securing it on left and right in retaining clips **(2)** and on retaining lugs **(3)**.



- Install screws **(2)**.
- Close storage compartment cover **(1)**.



## 16

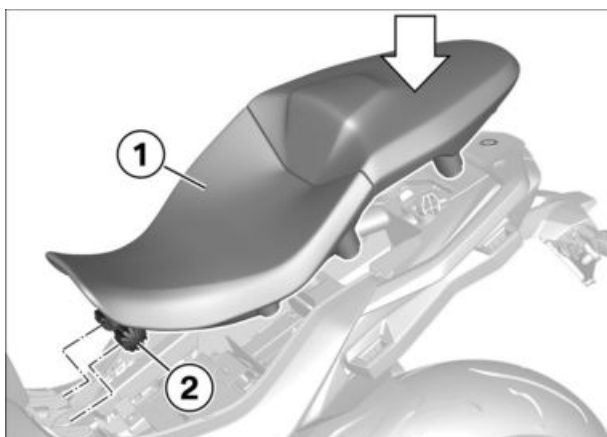


### ► Installing right rear trim panel

- Install rear trim panel (2) and secure it in retaining clips (3) and on retaining pin (4).
- Install bolt (1).



## 17



### ► Installing seat

- Insert seat (1) with buffers (2) in holder and install.
- » Seat (1) engages with audible click.



## 18

### ► Final check of work performed

- Check the following:
  - The work as performed achieved the intended purpose.
  - All reservoirs and containers have been filled and all fluids and lubricants are at their correct levels.
  - All threaded fasteners released beforehand have been correctly retightened.
  - The fuel system is free of leaks.
  - The lights and signalling equipment are fully operational and the vehicle is roadworthy.
  - The brake pads of the front and rear brakes are bedded against the brake discs.

### ▷ Function test, engine start suppression

#### Check

- Set kill switch to "ON" 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.

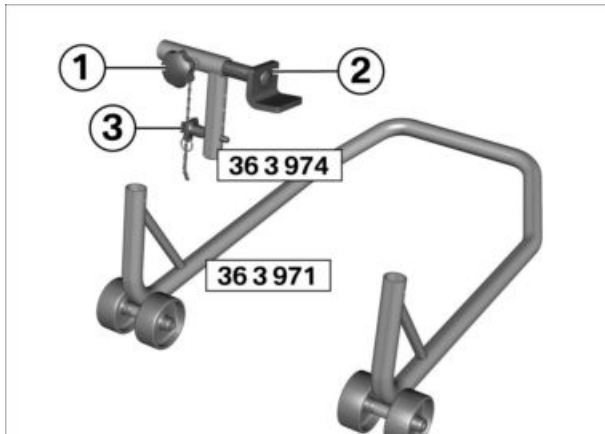
### **Measure**

- Check the appropriate parts with the BMW Motorrad diagnostic system.



## 00 60 358 Retrofit abrasion protection for wiring harness

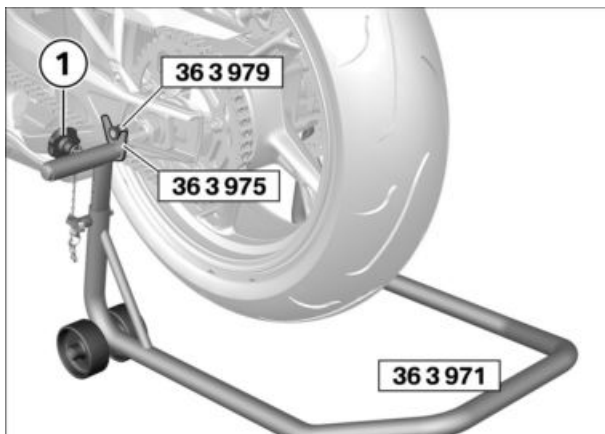
# 1



### ► Installing rear-wheel stand

#### ▷ Installing adapter in basic stand

- Release knurled screw **(1)** and remove mounting **(2)** from mounting (36 3 974).
- Insert the mounting (36 3 974) in the base stand (36 3 971) and secure with fuse **(3)**.



- Mount the service adapter, rear, (36 3 979) on the swinging arm.
- Insert the mounting (36 3 975) in to the base stand (36 3 971), adjust to suit the width of the swinging arm and secure with bolts **(1)**.
- Adjust the rear-wheel stand to the correct height.
- Slide the rear-wheel stand under the rear wheel swinging arm and position on service adapters (36 3 979).

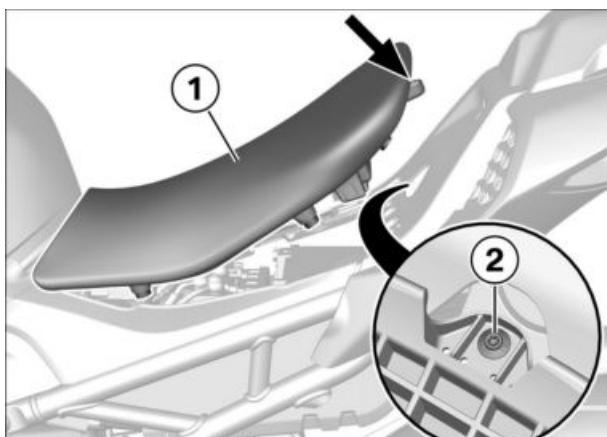
### **ATTENTION**

#### **Vehicle toppling to side**

Risk of damage to parts if vehicle topples

- Make sure that the vehicle is secured so that it cannot topple sideways.
- 
- Hold the motorcycle upright and at the same time press the stand down until the motorcycle is level and the handle of the rear-wheel stand is on the ground.

## 2

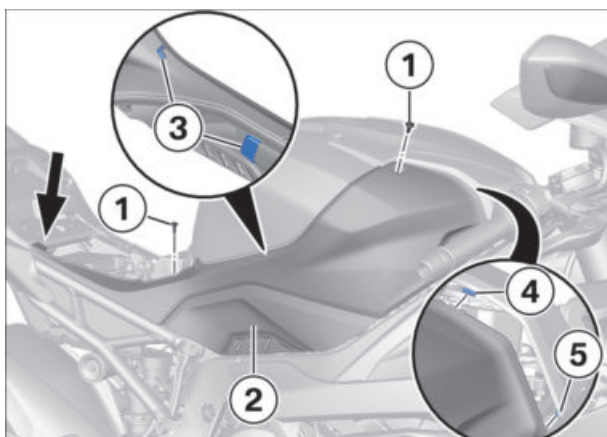


### ► Removing rider's seat

- Push driver's seat **(1)** on the seat cushion surface **(arrow)** forwards.
- Loosen bolt **(2)**.
- Raise the driver's seat **(1)** at the rear and remove.



## 3

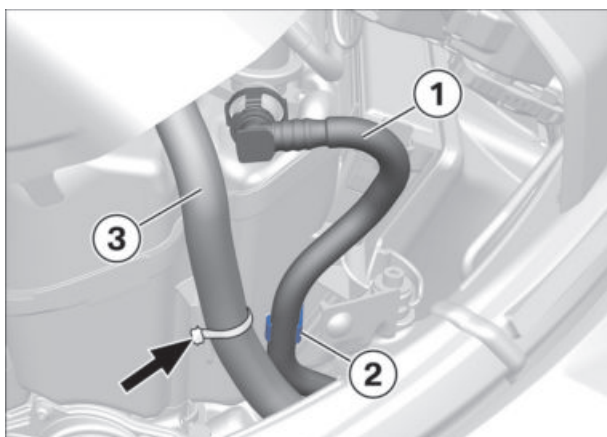


### ► Removing right fuel-tank cover

- Remove screws **(1)**.
- Unhook right fuel tank cover **(2)** from mount **(arrow)**.
- Release cover **(2)** from mounts **(3)** on fuel tank.
- Unclip cover **(2)** from retaining lug **(4)** and detach from hook **(5)**, remove cover **(2)**.

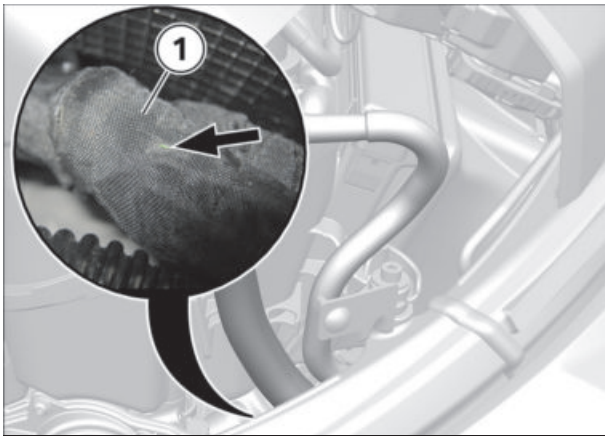


## 4



### ► Converting abrasion protection for wiring harness

- Loosen hose for secondary air system **(1)** from holder **(2)** and place in front of it.
- Loosen cable straps **(arrow)** and press wiring harness **(3)** carefully toward the intake silencer.



## ▷ Check wiring harness for chafe marks

### Check

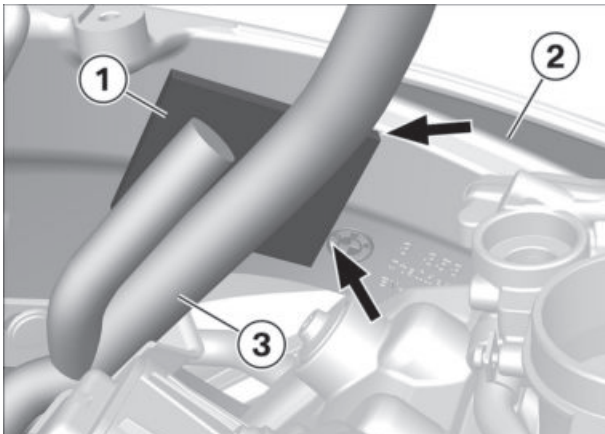
- Check wiring harness (1) for damage (arrow).

### Result

Wiring harness (1) has surface damage (for instance chafed or torn spots).

### Measure

- Wrap wiring harness with fabric adhesive tape (61 0 631).



## ATTENTION

### Improper routing of wiring harness and contact with frame

Chafing at wiring harness

- Install protective film between frame and wiring harness.

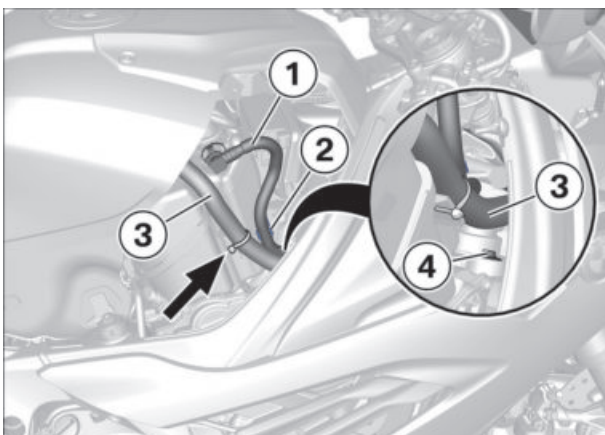
- Clean the frame surface in the adhesive area and allow to vent.



## NOTICE

Faces that will be in contact with the adhesive must be dry, clean and free from dust and grease.

- Slide in protective film (1) carefully between frame (2) and wiring harness (3).
- Align protective film (1) on badge (arrow) and edge of the recess in the frame (arrow) and affix.
- Check position wiring harness to protective film. (Wiring harness only touches protective film, not frame.)



## ATTENTION

### Improper routing of wiring harness and contact to screw connection of cylinder head cover

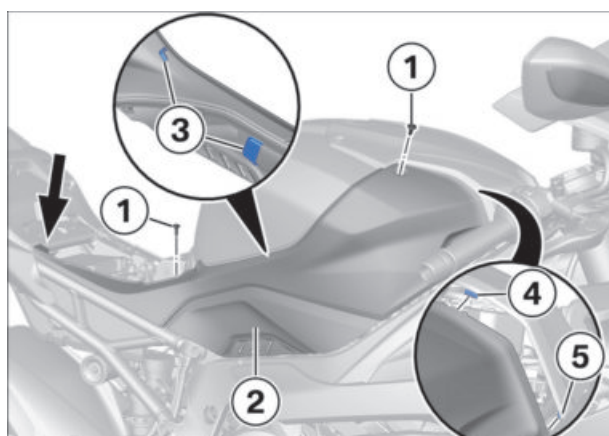
Chafing at wiring harness

- Install wiring harness with distance to screw connection of the cylinder head cover.

- Secure hose for secondary air system (1) in holder (2)
- Position the wiring harness (3) making sure there is a gap and it does not touch the bolt (4) for the cylinder head cover.
- Secure the cable strap (arrow).



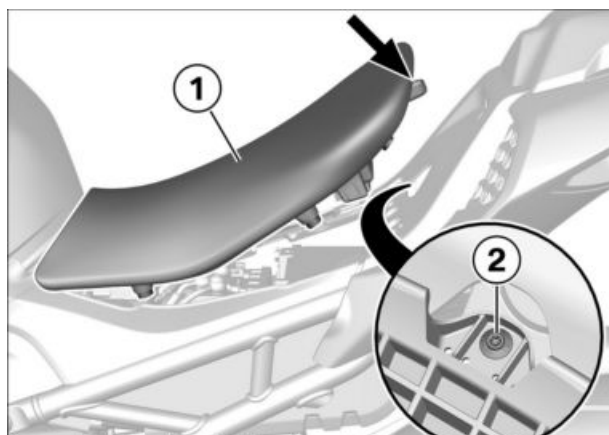
## 5



### ► Installing right fuel-tank cover

- Attach right fuel tank cover (2) on hook (5) and fasten on retaining lug (4).
- Attach cover (2) on mounts (3) on fuel tank.
- Fasten cover (2) in locator (arrow).
- Install screws (1).

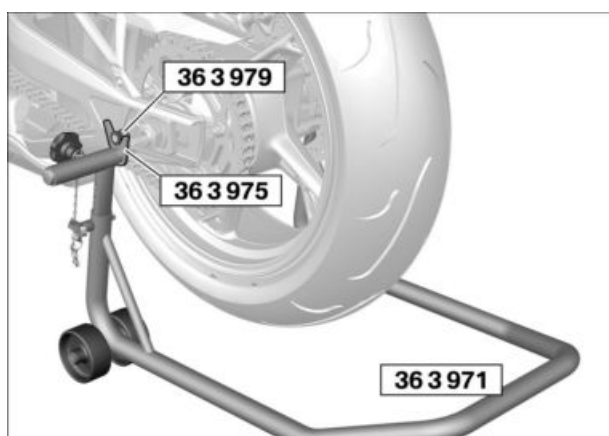
## 6



### ► Installing rider's seat

- Insert driver's seat (1) at front and position.
- Press driver's seat (1) to the front at the seat cushion surface (arrow).
- Position bolt (2) and install.

## 7



### ► Removing rear-wheel stand

- Extend the side stand.
- Secure the motorcycle to ensure that it cannot topple and slowly lower the rear-wheel stand, then remove basic stand (36 3 971) and adapter (36 3 975).
- Place the motorcycle on its side stand.
- Remove the service adapter (36 3 979) from rear wheel swinging arm.

### ► **Final check of work performed**

- Check the following:
  - The work as performed achieved the intended purpose.
  - All reservoirs and containers have been filled and all fluids and lubricants are at their correct levels.
  - All threaded fasteners released beforehand have been correctly retightened.
  - The fuel system is free of leaks.
  - The lights and signalling equipment are fully operational and the vehicle is roadworthy.
  - The brake pads of the front and rear brakes are bedded against the brake discs.

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

#### **Check**

- Set kill switch to "ON" 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.
  - » Starter does **not** operate.
- Pull the clutch lever.
  - » Starter does **not** operate.
- Press the starter button.
  - » Starter does **not** operate.
- Retract the side stand.
  - » Starter does **not** operate.
- Press the starter button without releasing the clutch lever.
  - » Starter operates.

#### **Result**

Not all test steps completed successfully.

#### **Measure**

- Check the appropriate parts with the BMW Motorrad diagnostic system.

