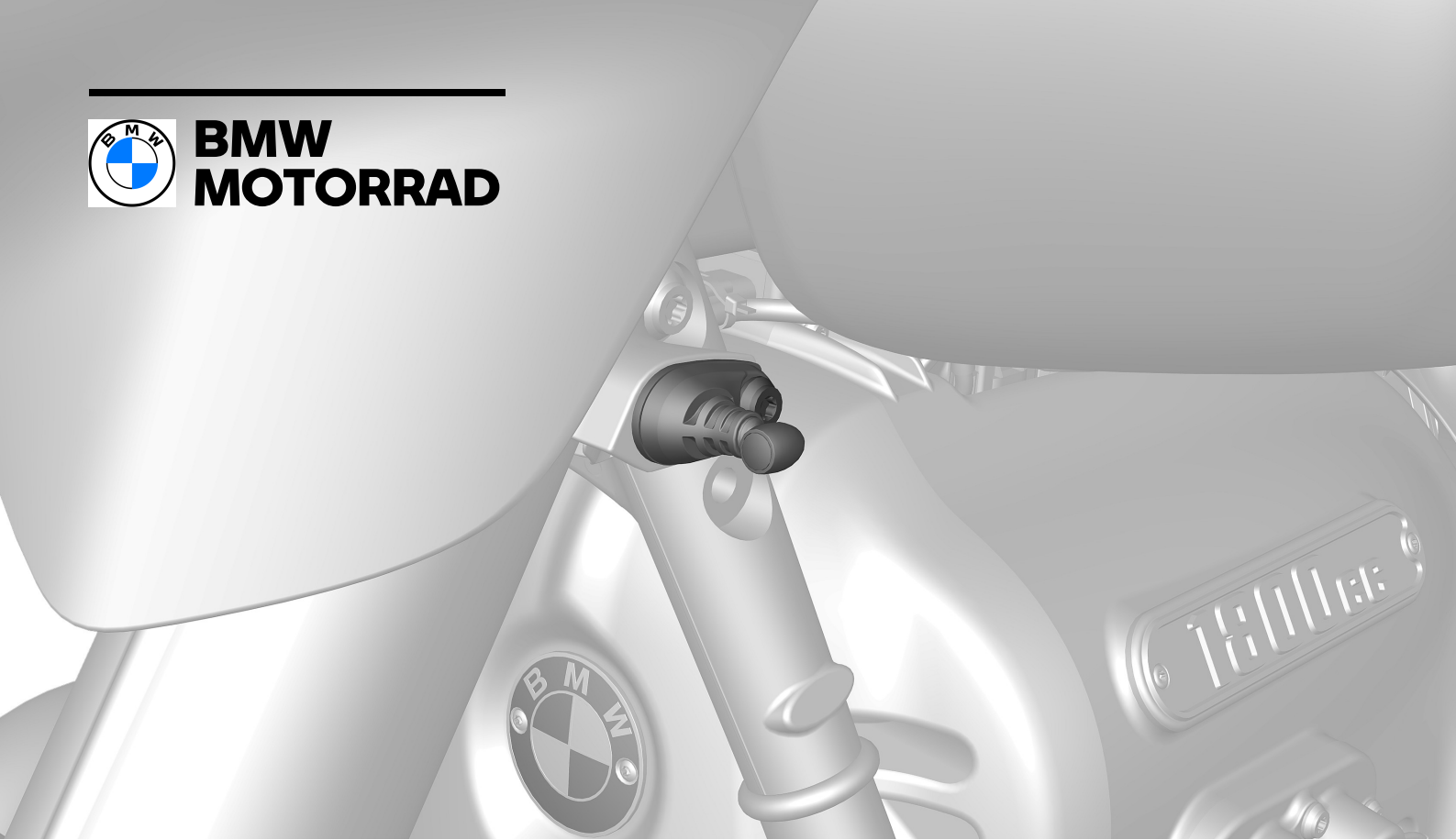




**BMW
MOTORRAD**



Installation instructions

LED MINI FLASHING TURN INDICATOR, FRONT

R 18 B

MAKE LIFE A RIDE

BEFORE COMMENCING WORK, YOU MUST READ THESE INSTALLATION INSTRUCTIONS THROUGH CAREFULLY AND MAKE SURE YOU UNDERSTAND THEM FULLY.

We congratulate you on your choice of optional accessories from BMW Motorrad that will enable you to customise your motorcycle in accordance with your personal preferences.

Safety is invariably an essential prerequisite for extracting full benefit and enjoyment from new accessories. Some work calls for special tools and possibly a thorough knowledge of motorcycle technology. If you are in doubt consult a specialist workshop, preferably your authorised BMW Motorrad dealer.

Since we provide you with a multitude of accessories and optional equipment, we cannot cover all equipment specifications in these installation instructions. Therefore we restrict ourselves to the basic version of the corresponding model. The removal and installation of other possibly installed accessories is described in the corresponding installation instructions. Consult your authorised BMW Motorrad dealer if you no longer have access to the sets of instructions you need.

If you have questions concerning your motorcycle or any of the accessories from our range, your authorised BMW Motorrad dealer will gladly provide advice and assistance.

We at BMW Motorrad hope you will enjoy riding your BMW and that all your journeys will be pleasant and safe.

THE SYMBOLS USED TO DRAW ATTENTION TO PRECAUTIONARY STATEMENTS IN THIS MANUAL ARE AS FOLLOWS:
 **CAUTION**

Low-risk hazard. Non-avoidance can lead to slight or moderate injury.

 **DANGER**

High-risk hazard. Non-avoidance leads to fatal or severe injury.

 **NOTICE**

Specific instructions on how to operate, control, adjust or look after items of equipment on the motorcycle.

- ▶ Start of the main activity
- ▷ Start of the secondary activity
- Instruction

 **WARNING**

Medium-risk hazard. Non-avoidance can lead to fatal or severe injury.

 **ATTENTION**

Special notes and precautionary measures. Non-compliance can lead to damage to the vehicle or accessory and, consequently, to voiding of the warranty.

 **Tightening torque**

Screws, bolts and nuts are tightened in accordance with the applicable DIN/ISO standards. Tightening torques that deviate from the standards are stated. Non-compliance can result in damage to the vehicle or accessories or can endanger the driver.

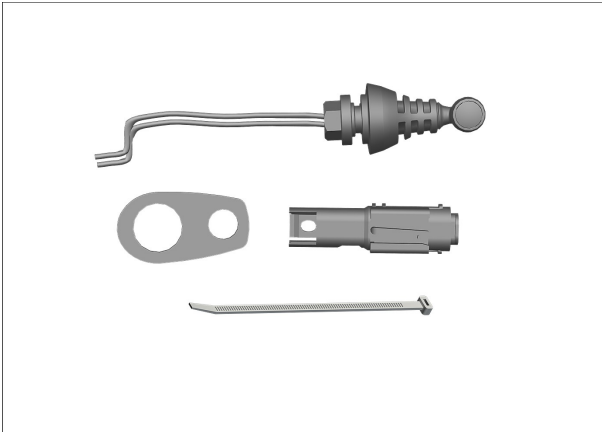
- ◀ End of the main activity
- ◁ End of the secondary activity
- ◇ End of validity designation CS (construction status), OE (optional extra) or OA (optional accessory)

All rights reserved.

LED mini flashing turn indicator, front

Requisite tools

- Torx wrench set
- Open-ended wrench set
- Diagonal cutting pliers
- Torque wrench



Delivery specification

- Set LED mini turn indicator, front 2 each

General instructions

ATTENTION

Vehicle not securely propped

Risk of damage to parts if vehicle topples

- Prop the vehicle securely.

WARNING

Children and pets in the working area

Injury to persons

- Keep children and pets away from the working area.

CAUTION

Wearing jewellery during work

Risk of injury by snagging or electrical short circuit

- Remove all items of personal jewellery (rings, chains, wristwatch, etc.) before starting work.

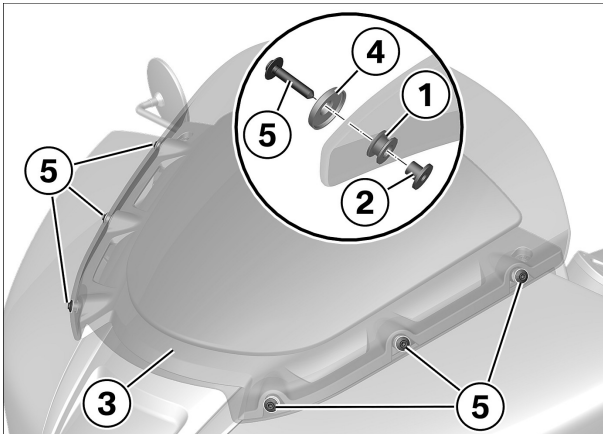
NOTICE

Once the retrofit kit has been installed by the workshop, these installation instructions must be handed over to the customer.

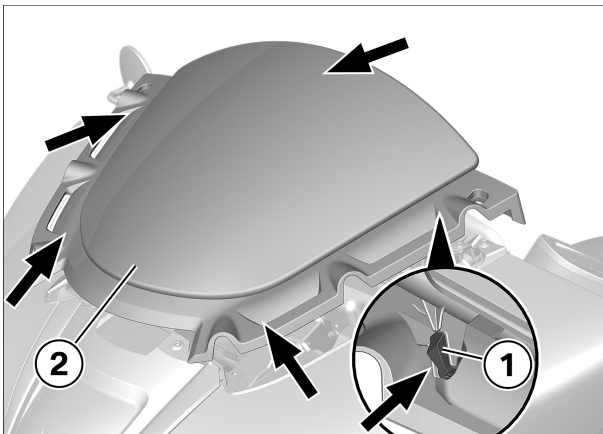
Make sure that these installation instructions accompany the retrofit kit when it is passed on to a third party.

77 51 089 Installing front LED mini flashing turn indicator

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

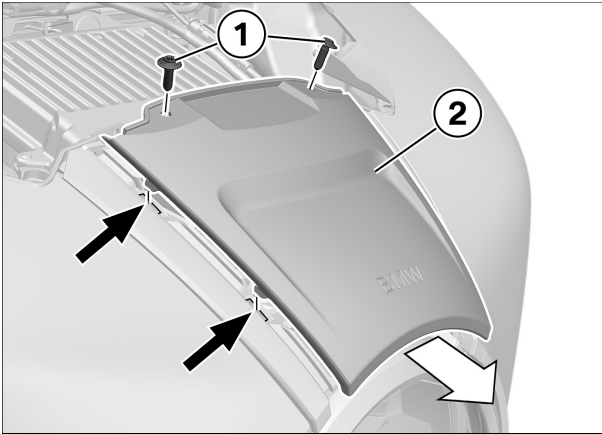
1**► Removing windscreen**

- Remove screws (5) with washers (4) and remove windscreen (3).
- Pay attention to rubber grommets (1) and bushings (2).

2**► Removing cover for windscreen holder**

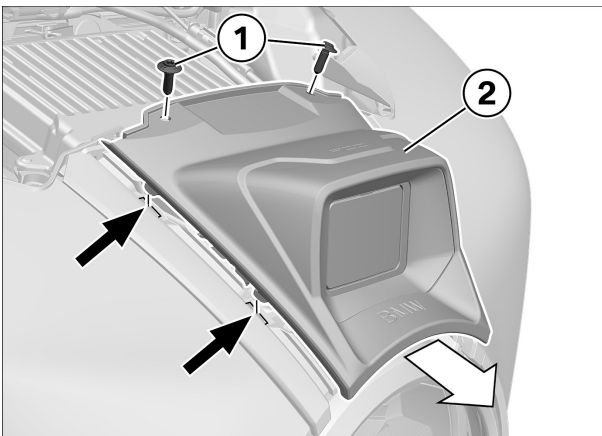
- Loosen mounting clips (1) (arrows) and remove cover (2).

3



► **Removing centre protective cover**

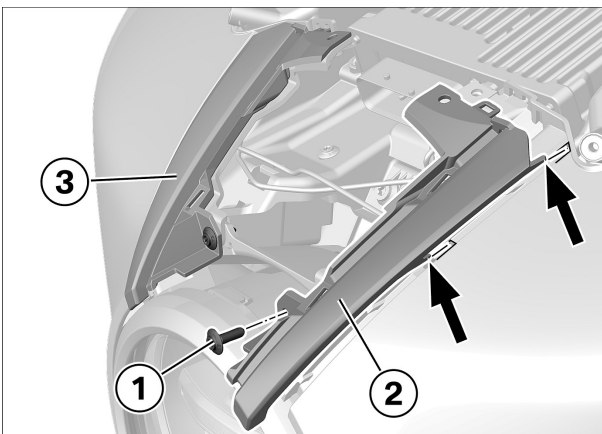
- Remove screws **(1)**.
- Detach protective cover **(2)** forward from hooks **(arrows)** and remove.



– with Active Cruise Control^{OE} (05DF)

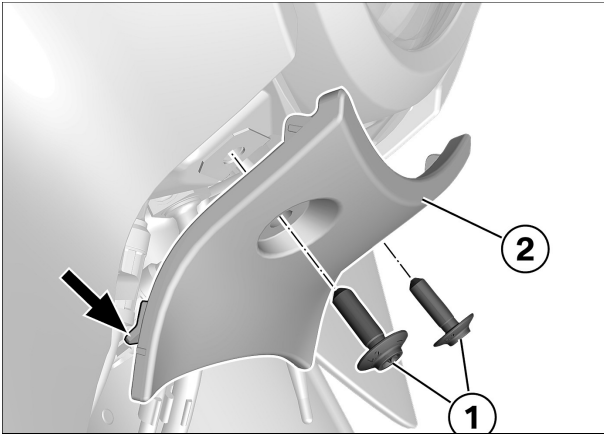
- Remove screws **(1)**.
- Detach protective cover **(2)** forward from hooks **(arrows)** and remove.◇

4



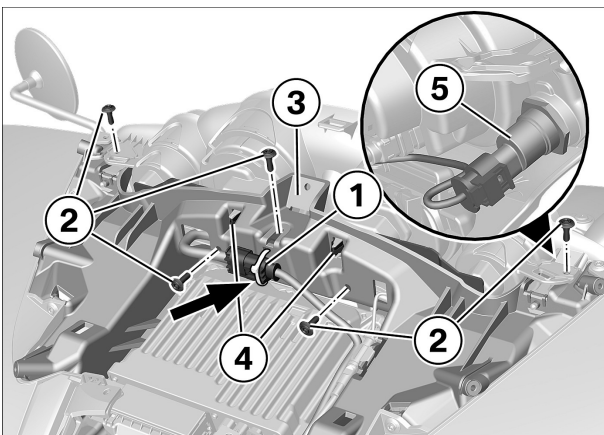
► **Removing trim on left and right for front trim panel**

- Remove bolt **(1)**.
- Detach protective cover **(2)** forward from hooks **(arrows)** and remove.
- Remove trim **(3)** in the same way.

5

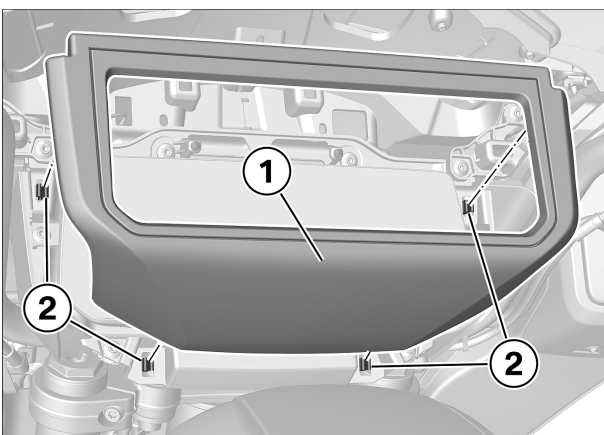
► **Removing bottom protective cover**

- Remove screws (1).
- Detach protective cover (2) forward from hooks (arrow) and remove.

6

► **Removing top instrument carrier**

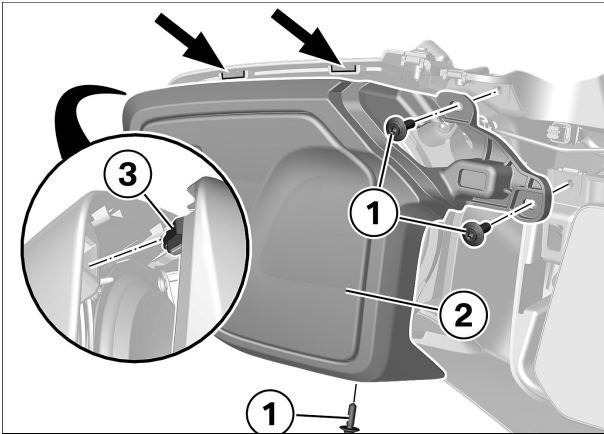
- Cut through the cable strap (arrow).
- Disconnect connector (1) for instrument cluster.
- Remove screws (2).
- Release instrument support (3) from mounting clips (4) and disconnect connector (5) for socket.
- Remove instrument support (3).

7

► **Removing cover for instrument panel**

- Loosen trim (1) from mounting clips (2) and remove.

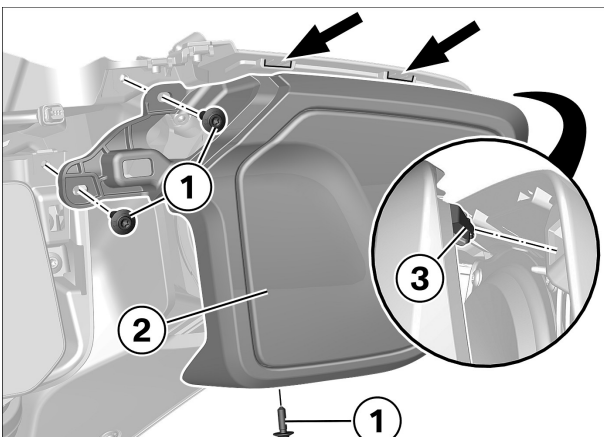
8



► **Removing left speaker cover**

- Remove screws (1).
- Pull off cover (2) from mounting clip (3) noting hooks (arrows).
- Remove cover (2).

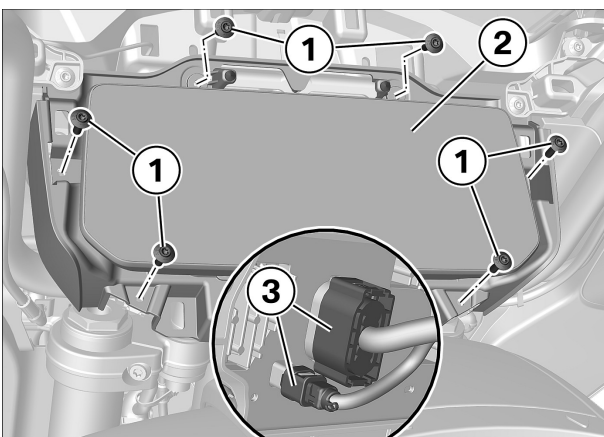
9



► **Removing right speaker cover**

- Remove screws (1).
- Pull off cover (2) from mounting clip (3) noting hooks (arrows).
- Remove cover (2).

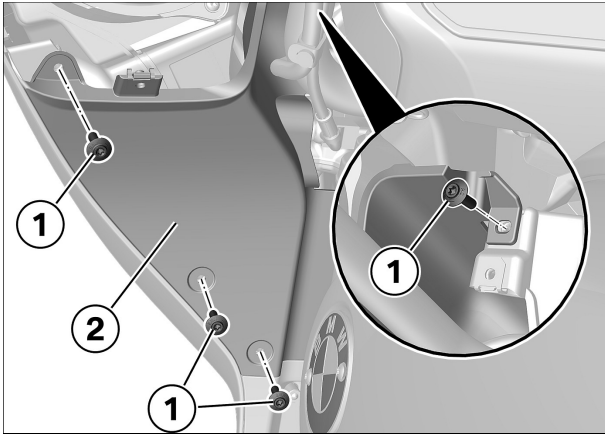
10



► **Remove the instrument panel with bracket**

- Remove screws (1).
- Loosen instrument cluster (2) with holder.
 - Do not put strain on cable!
- Disconnect connector (3).
- Remove instrument cluster (2) with holder.

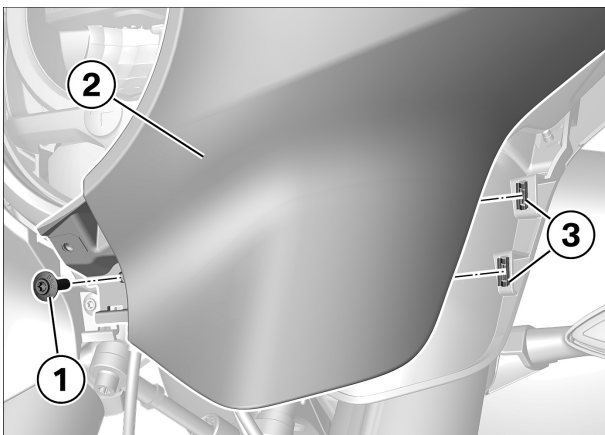
11



► **Removing left interior trim**

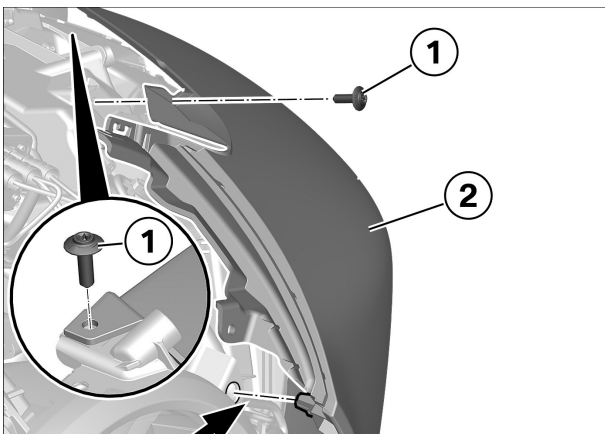
- Remove screws **(1)**.
- Remove interior trim **(2)**.

12



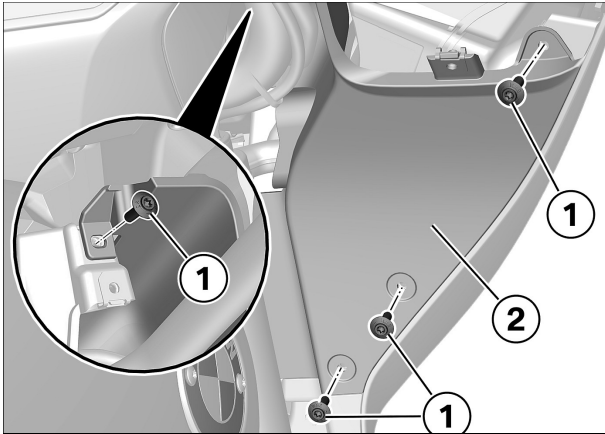
► **Removing top left fairing side panel**

- Remove bolt **(1)**.
- Loosen fairing side panel top **(2)** forward from clip clamps **(3)**.



- Remove screws **(1)**.
- Remove fairing side panel top **(2)** noting hooks **(arrow)**.

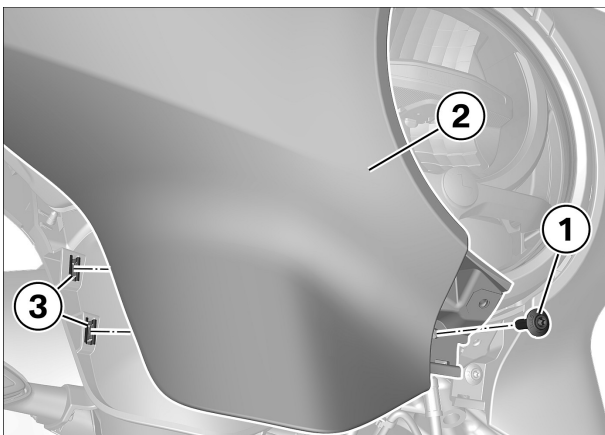
13



► **Removing right interior trim**

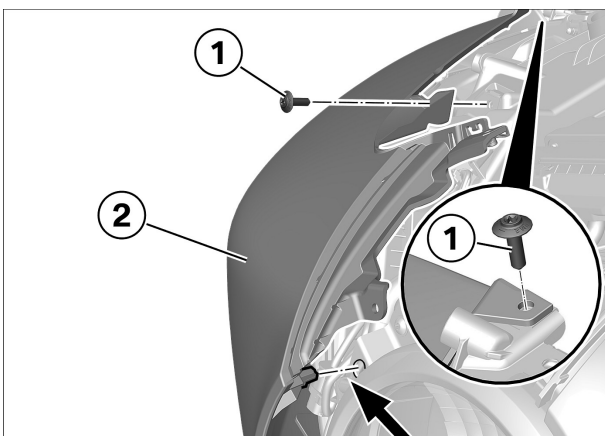
- Remove screws (1).
- Remove interior trim (2).

14



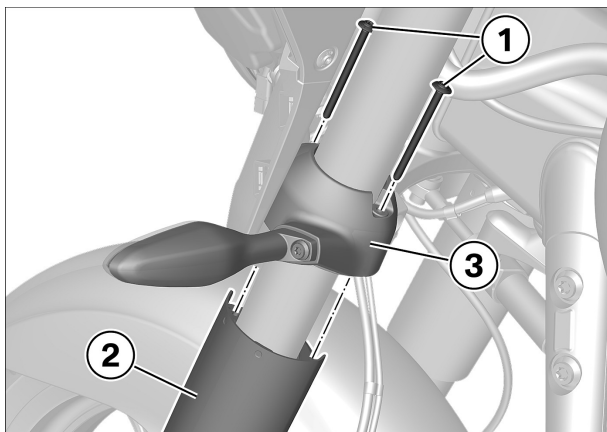
► **Removing right top side panel**

- Remove bolt (1).
- Loosen fairing side panel top (2) forward from clip clamps (3).



- Remove screws (1).
- Remove fairing side panel top (2) noting hooks (arrow).

15



► Removing front left flashing turn indicator

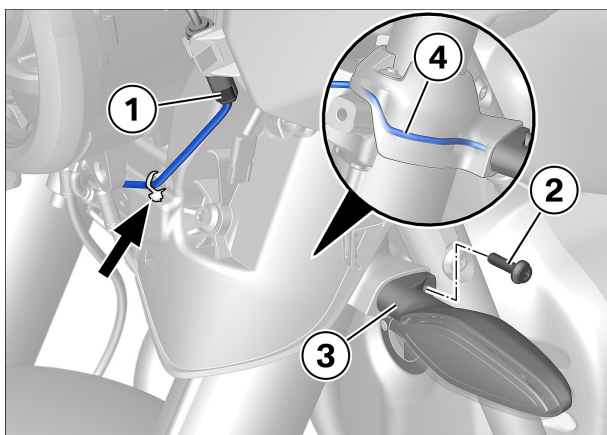
ATTENTION

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

Component damage

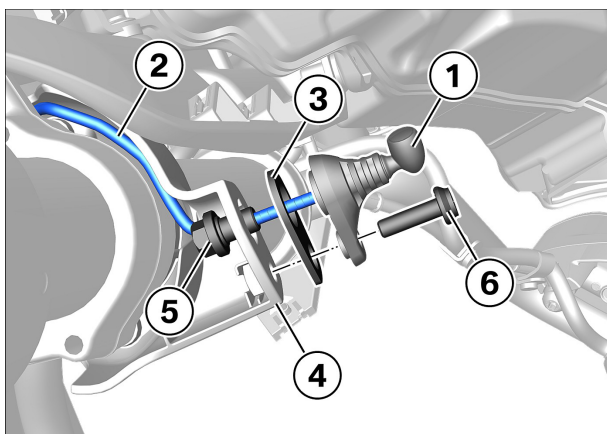
- Take care not to scratch components; cover or mask as necessary.

- Remove screws (1), slide fork sleeve (2) down.
- Loosen trim (3).




- Disconnect connector (1) for left turn indicator.
- Remove cable strap (arrow).
- Remove bolt (2) and take off turn indicator (3) and work cable (4) clear.

16




► Installing front left LED mini turn indicator

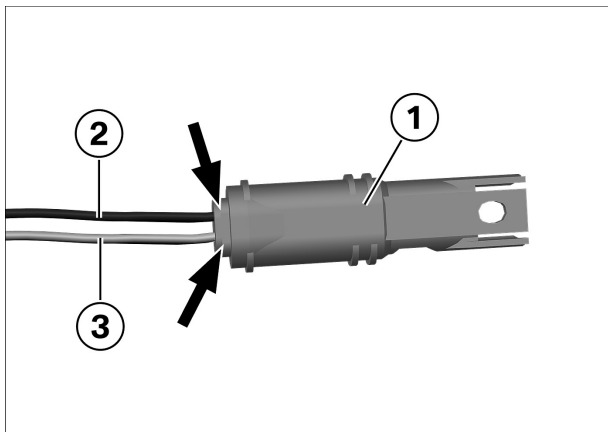
- Position LED mini turn indicator (1) and work cable (2) through surface (3), trim (4) and screw (5).
- Install bolt (5) loosely.
- Install bolt (6).

 Tightening torques		
Turn indicator to fork sleeve trim		
M6 x 20	3 Nm	


- Tighten screw (5).

 Tightening torques		
LED mini turn indicator, front to fork sleeve trim		
Banjo bolt, M8	8 Nm	

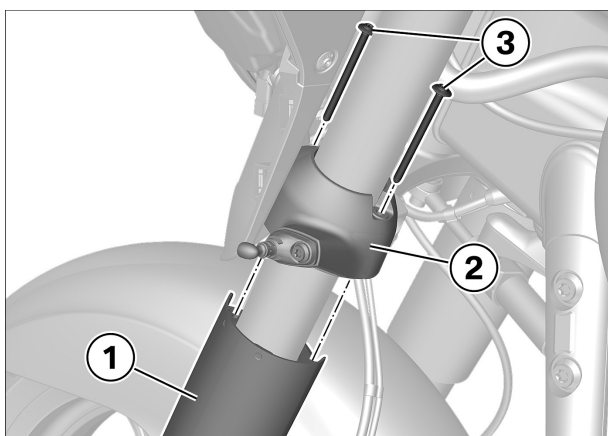
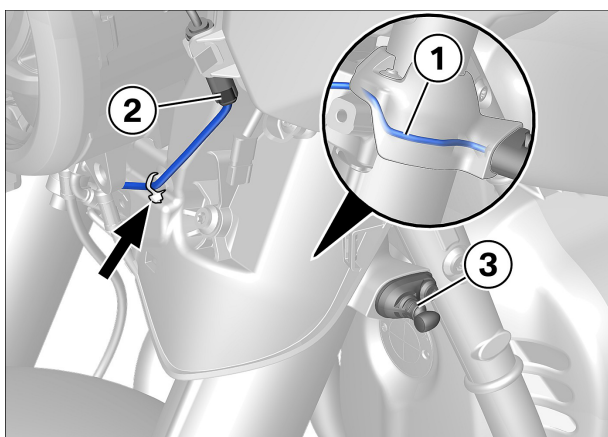
- Route cable (2) under trim (4).



- When installing the cables in the connector housing (1), note pin assignment.

 Technical data			
Pin assignment for front turn indicator	Pin 1	Ground / Cable colour	Black
	Pin 2	Turn indicator + / Cable colour	Grey

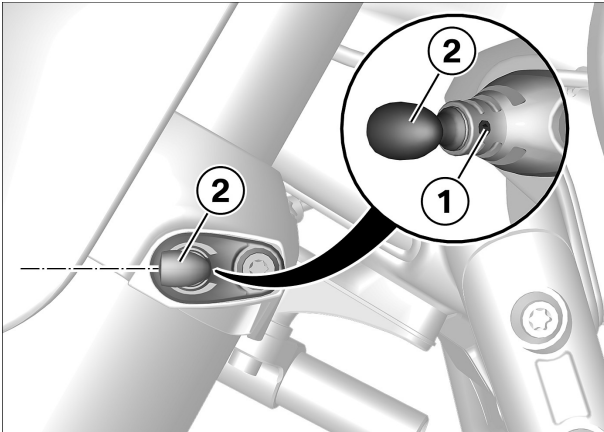
- Numbering of the pins is embossed on connector housing (1) (arrows).
- Insert black cable (2) into Pin 1 of connector housing (1) until lock engages.
- Insert grey cable (3) into Pin 2 of connector housing (1) until lock engages.
- Route cable (1) and connect connector (2) for LED mini turn indicator (3).
- Secure the cable strap (arrow).



- Position fork shell (1) on trim (2). Do not pinch turn indicator cable!
- Install screws (3).



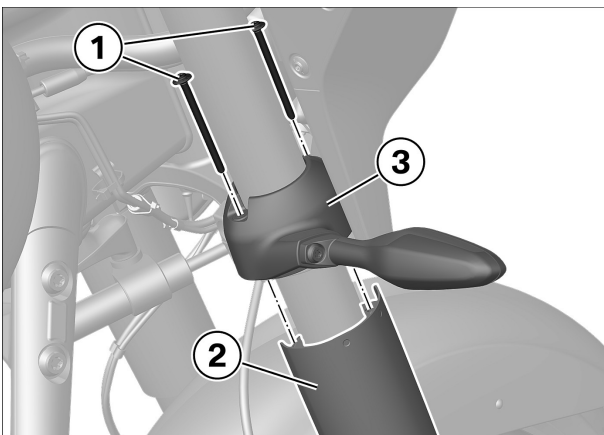
17



► Adjusting alignment of left LED mini turn indicators

- If necessary, adjust LED mini turn indicators.
- Loosen set screw **(1)** and align LED mini turn indicators **(2)**.
- » The light beam must point parallel to the road.
- Tighten set screw **(1)**.

18



► Removing front right flashing turn indicator

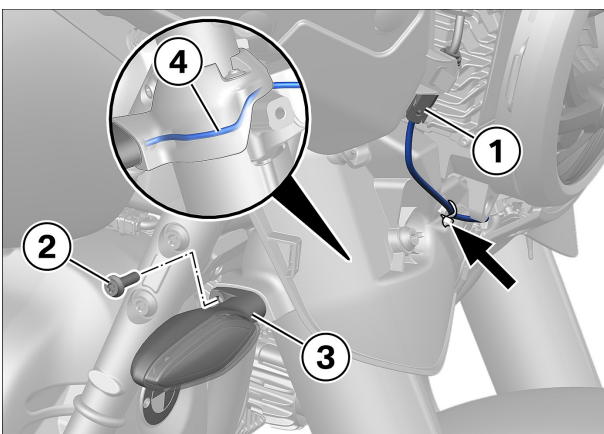
ATTENTION

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

Component damage

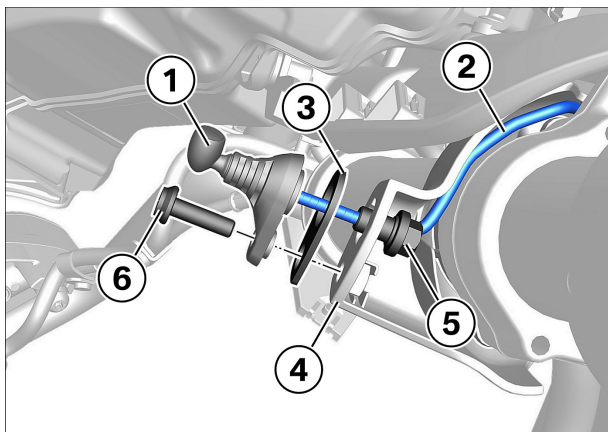
- Take care not to scratch components; cover or mask as necessary.

- Remove screws **(1)**, slide fork sleeve **(2)** down.
- Loosen trim **(3)**.



- Disconnect connector **(1)** for the right turn indicator.
- Remove cable strap **(arrow)**.
- Remove bolt **(2)** and take off turn indicator **(3)** and work cable **(4)** clear.

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► Installing front right LED mini turn indicator

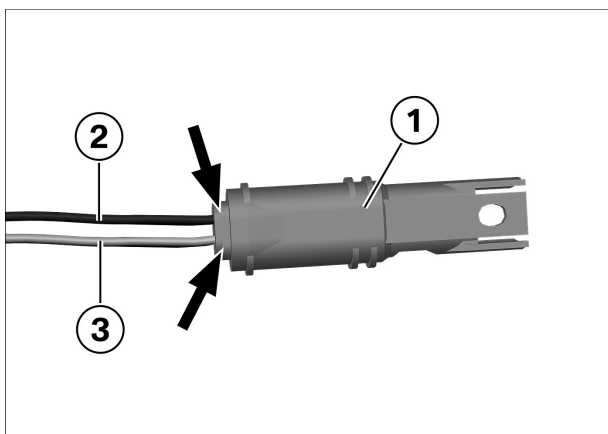
- Position LED mini turn indicator **(1)** and work cable **(2)** through surface **(3)**, trim **(4)** and screw **(5)**.
- Install bolt **(5)** loosely.
- Install bolt **(6)**.

Tightening torques		
Turn indicator to fork sleeve trim		
M6 x 20	3 Nm	

- Tighten screw **(5)**.

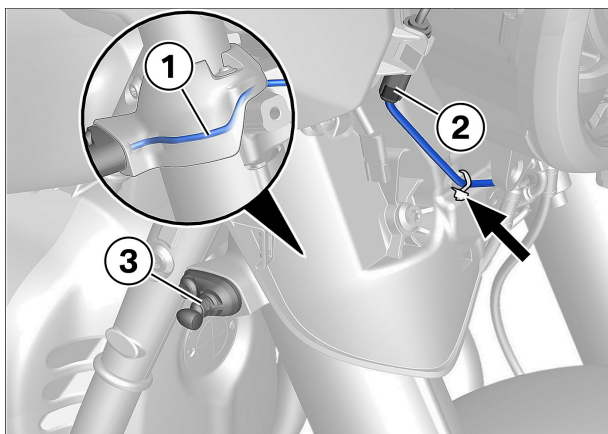
Tightening torques		
LED mini turn indicator, front to fork sleeve trim		
Banjo bolt, M8	8 Nm	

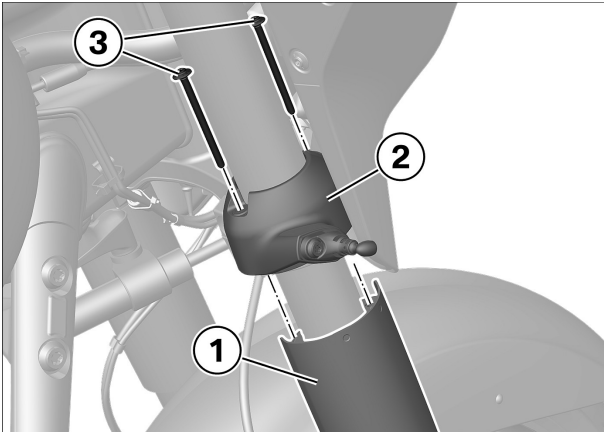
- Route cable **(2)** under trim **(4)**.
- When installing the cables in the connector housing **(1)**, note pin assignment.



Technical data			
Pin assignment for front turn indicator	Pin 1	Ground / Cable colour	Black
	Pin 2	Turn in-dicator + / Cable colour	Grey

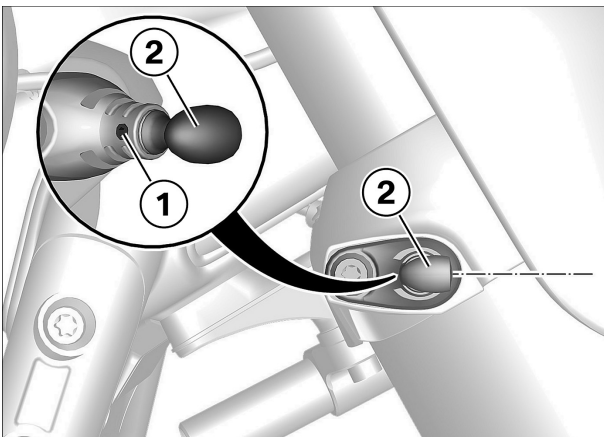
- Numbering of the pins is embossed on connector housing **(1)** (arrows).
- Insert black cable **(2)** into Pin 1 of connector housing **(1)** until lock engages.
- Insert grey cable **(3)** into Pin 2 of connector housing **(1)** until lock engages.
- Route cable **(1)** and connect connector **(2)** for LED mini turn indicator **(3)**.
- Secure the cable strap (arrow).





- Position fork shell (1) on trim (2). Do not pinch turn indicator cable!
- Install screws (3).

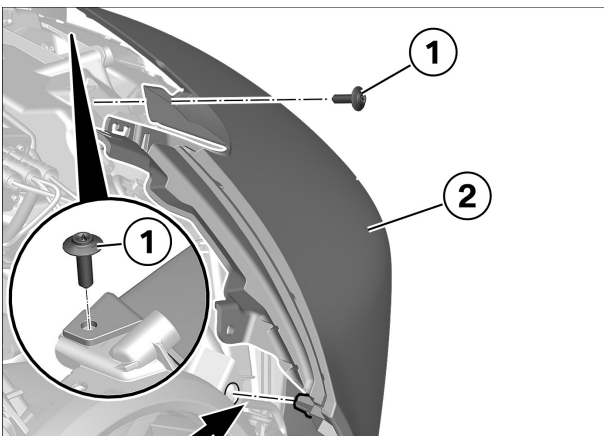
20



► Adjusting alignment of right LED mini turn indicators

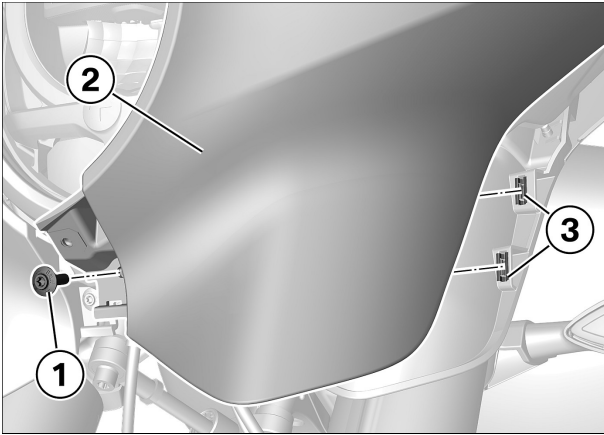
- If necessary, adjust LED mini turn indicators.
- Loosen set screw (1) and align LED mini turn indicators (2).
- » The light beam must point parallel to the road.
- Tighten set screw (1).

21



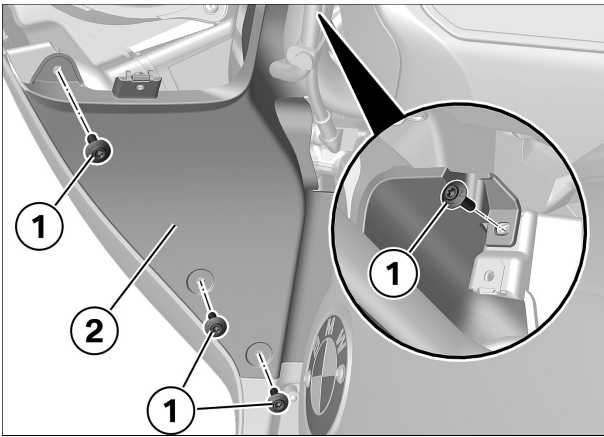
► Installing top left side panel

- Position fairing side panel top (2) noting hooks (arrow).
- Install screws (1).



- Secure top fairing side panel (2) in clip clamps (3).
- Install bolt (1).

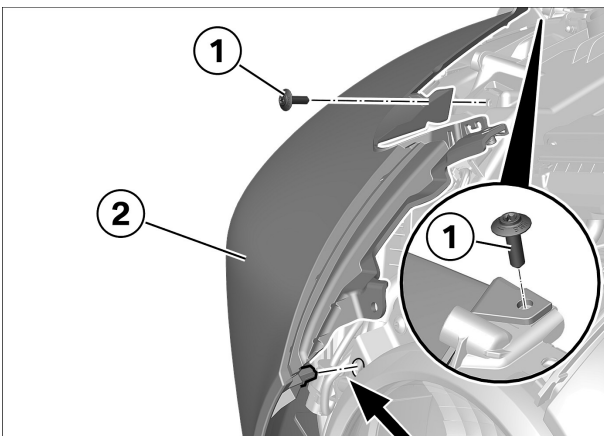
22



► Installing left interior trim

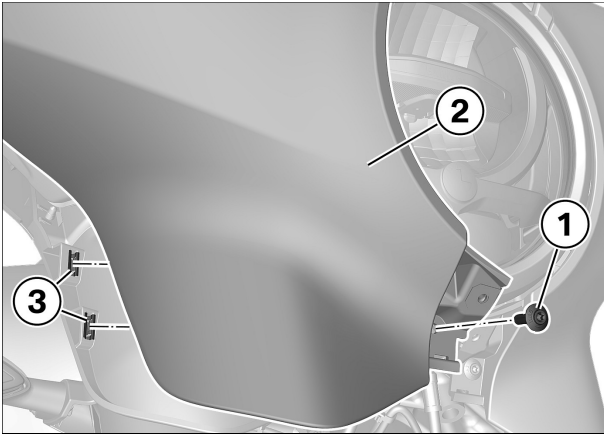
- Position interior trim (2).
- Install screws (1).

23



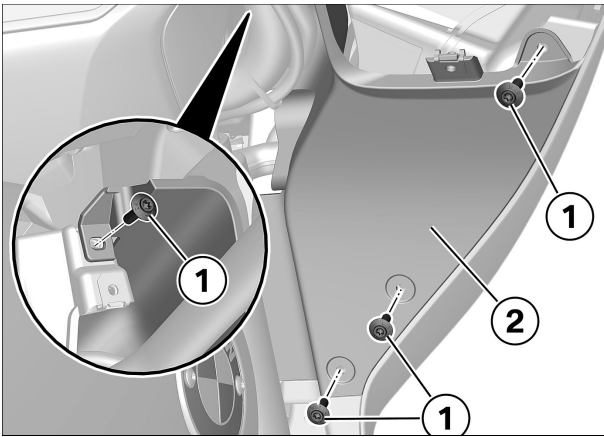
► Installing right top side panel

- Position fairing side panel top (2) noting hooks (arrow).
- Install screws (1).



- Secure top fairing side panel (2) in clip clamps (3).
- Install bolt (1).

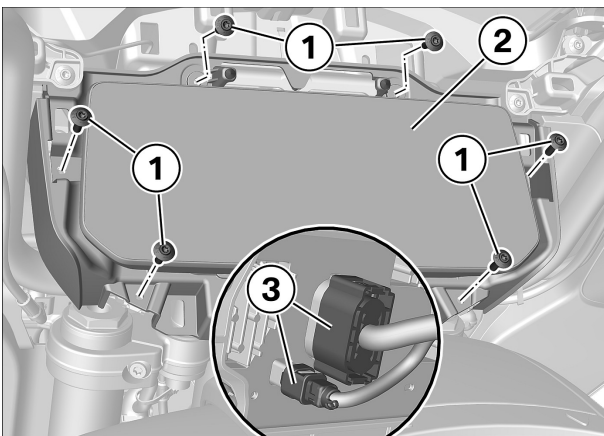
24



► Installing right interior trim

- Position interior trim (2).
- Install screws (1).

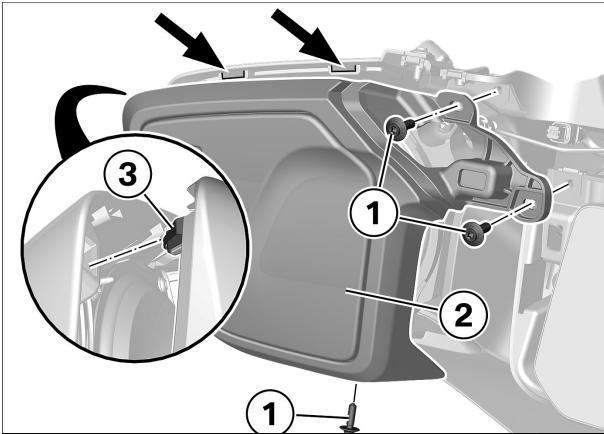
25



► Install the instrument panel with bracket

- Connect connector (3).
- Insert instrument cluster (2) with holder.
- Install screws (1).

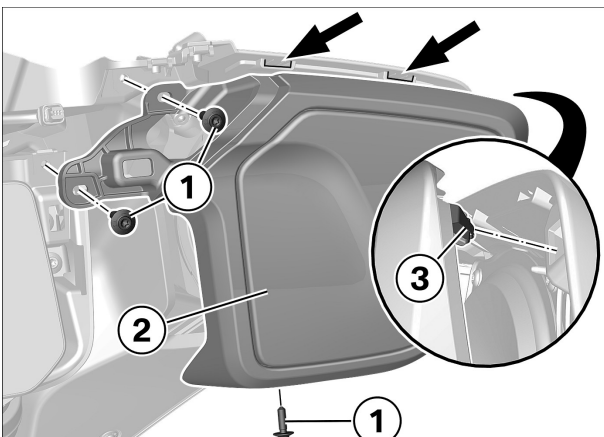
26



► Installing left speaker cover

- Fasten cover (2) with mounting clip (3) noting hooks (arrows).
- Install screws (1).

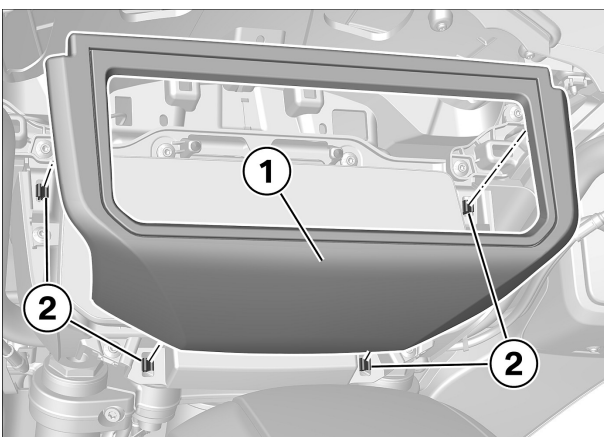
27



► Installing right speaker cover

- Fasten cover (2) with mounting clip (3) noting hooks (arrows).
- Install screws (1).

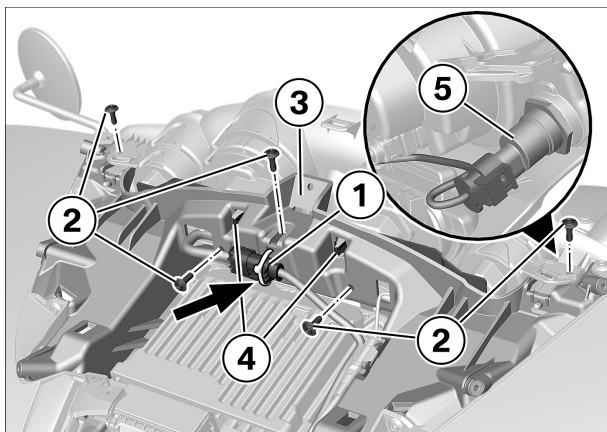
28



► Installing cover for instrument panel

- Position trim (1) and fasten in mounting clips (2).

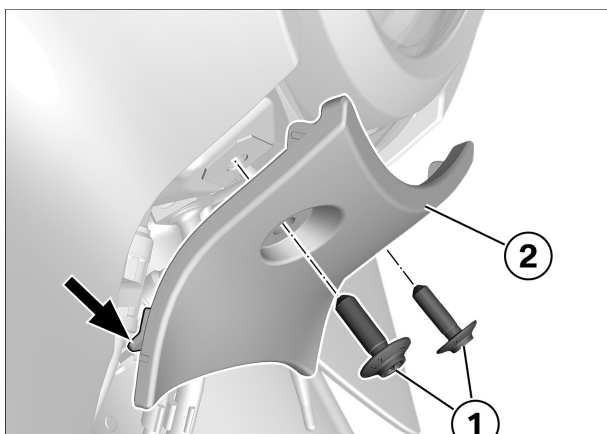
29



► Installing top instrument carrier

- Insert cable strap (**arrow**) in instrument support (**3**), **do not close yet**.
- Position instrument support (**3**) and connect connector (**5**) for socket.
- Route connector (**1**) for instrument cluster.
- Secure instrument support (**3**) in mounting clips (**4**).
- Connect connector (**1**) for instrument cluster.
- Secure the cable strap (**arrow**).
- Install screws (**2**).

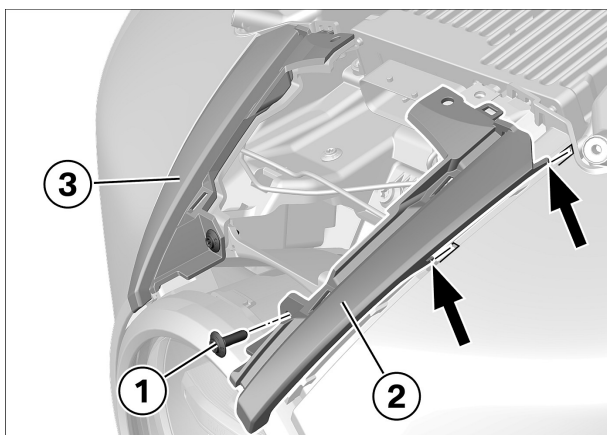
30



► Installing bottom protective cover

- Secure protective cover (**2**) in hooks (**arrow**).
- Install screws (**1**).

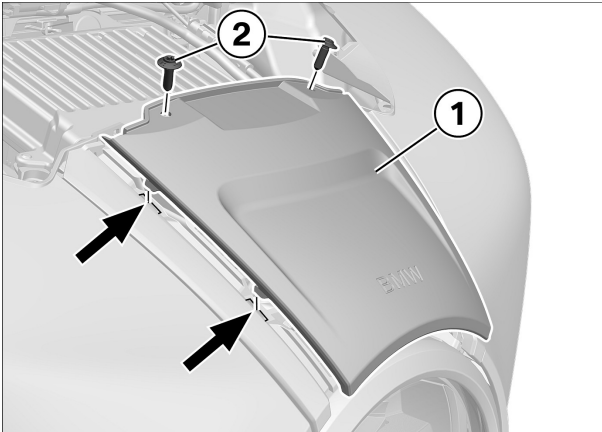
31



► Installing trim on left and right for front trim panel

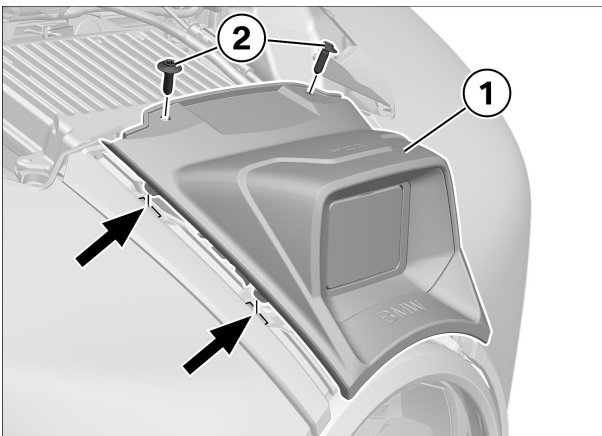
- Secure trim (**2**) in hooks (**arrows**).
- Install bolt (**1**).
- Install trim (**3**) in the same way.

32



► Installing centre protective cover

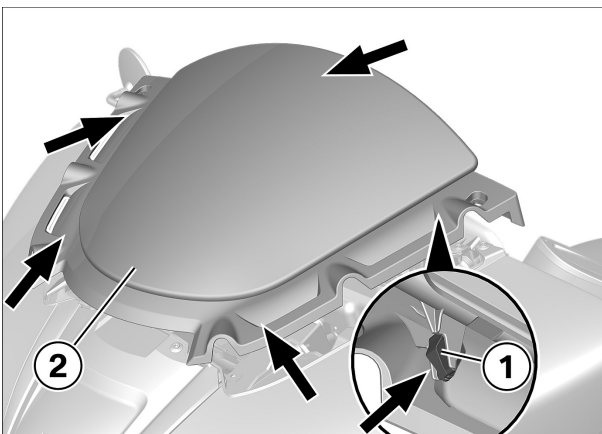
- Secure protective cover (1) in hooks (arrows).
- Install screws (2).



– with Active Cruise Control^{OE} (05DF)

- Secure protective cover (1) in hooks (arrows).
- Install screws (2).◇

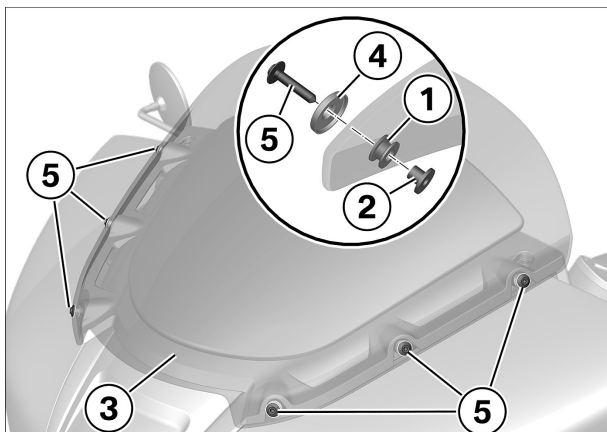
33



► Installing cover for windscreen holder

- Install cover (2) with mounting clips (1) (arrows).

34



► Install the windscreen

- Make sure that rubber grommets (1) and shouldered bushings (2) are installed.
- Position windscreen (3).
- Install washers (4) and screws (5).

Tightening torques		
Windscreen to windscreen holder		
M5 x 35	5 Nm	

35

► 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

- Select neutral.
 - » Neutral indicator light "N" lights up.
- Select a gear.
 - » Neutral indicator light "N" goes out.
- Operate the starter switch.
 - » Starter does **not** operate.
- Extend the side stand.
 - » Starter does **not** operate.
- Pull the clutch lever.
 - » Starter does **not** operate.
- Operate the starter switch.
 - » Starter does **not** operate.
- Retract the side stand.
 - » Starter does **not** operate.
- Operate the starter switch 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.

