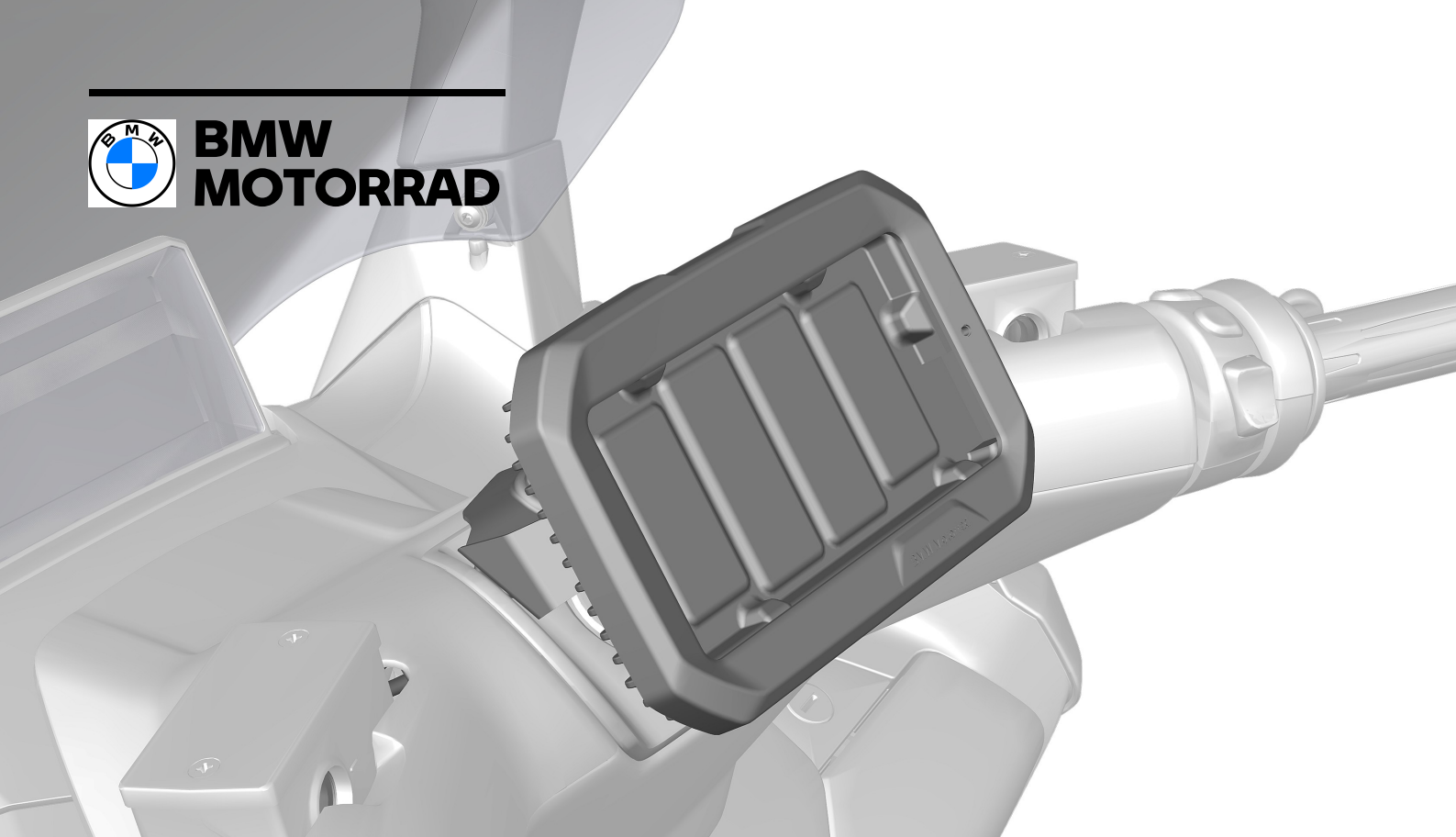




**BMW
MOTORRAD**



Installation instructions

SMARTPHONE CRADLE WITH BRACKET

C evolution

MAKE LIFE A RIDE

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

BMW Motorrad recommends having this installation kit installed by a specialist workshop with the requisite special tools, preferably an authorised BMW Motorrad dealer.

Incorrect installation and incorrect handling give rise to considerable safety risks.

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

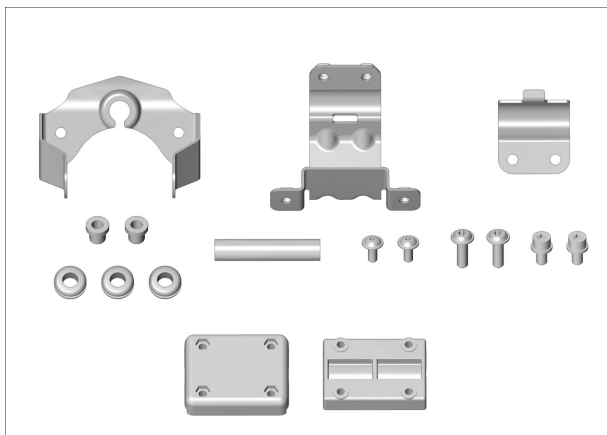
Screws, bolts and nuts are tightened in accordance with the applicable DIN/ISO standards. Tightening torques that deviate from the standards are stated. Non-compliance can result in damage to the vehicle or accessories or can endanger the driver.

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

Smartphone Cradle with bracket

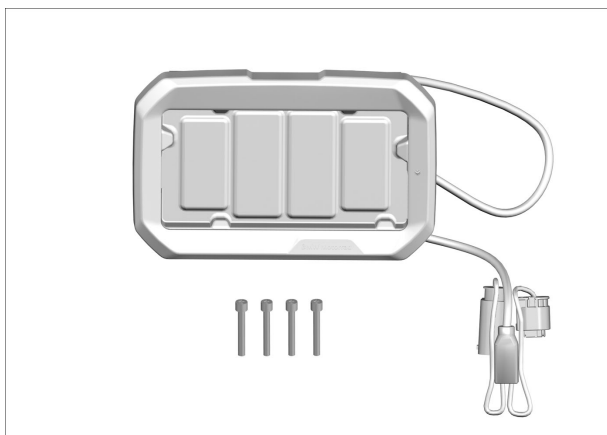
Requisite tools

- Torx screwdriver set
- Torque wrench
- Drill, dia. 4 mm
- Hole cutter drill
- Knife



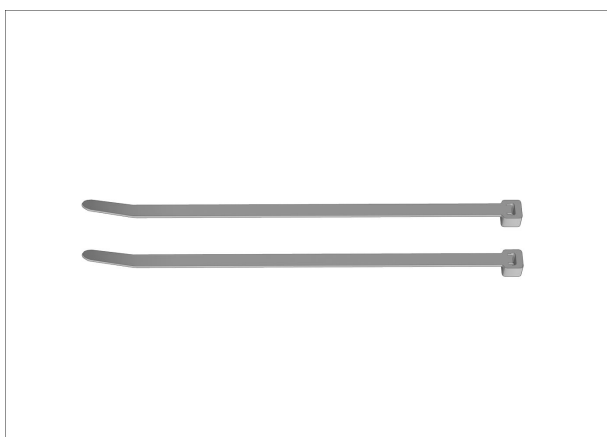
Retrofit kit

- Bracket top section
- Bracket bottom section
- Clamping element
- Shouldered bushing 2 each
- rubber grommet 3 each
- Cross-member
- Fillister head screw M5 x 12 2 each
- Fillister head screw M6 x 20 2 each
- Cylinder head bolt with roll-fitted shim, M6 x 12 2 each
- Mounting element lower section
- Mounting element upper section



Also required

- BMW Motorrad Smartphone Cradle
- Cylinder head bolt, M4 X 30 4 each



Also required

- Cable tie 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

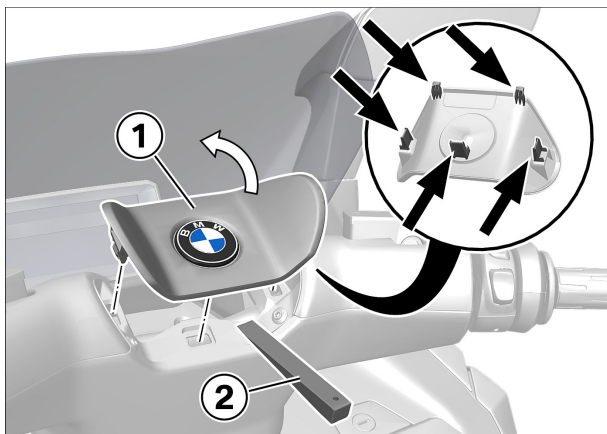
Once the retrofit kit has been installed by the workshop, these installation instructions must be handed over to the customer.

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

77 52 012 Installing Smartphone Cradle

– with Smartphone Cradle^{OA}

1

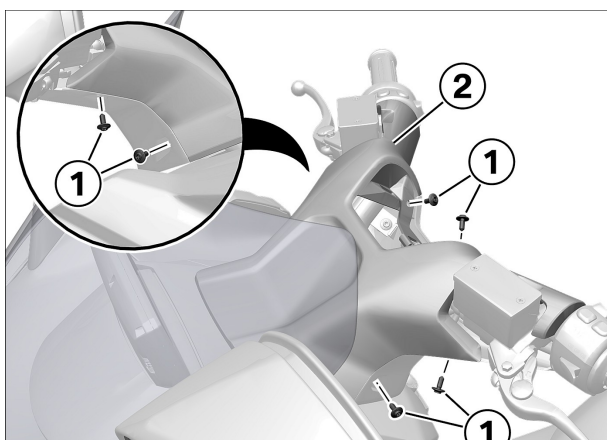


► Removing handlebar cover

- Remove handlebar cover **(1)** **carefully** along with the plastic wedge **(2)** and while doing so, pay attention to mounting clips **(Arrows)**.

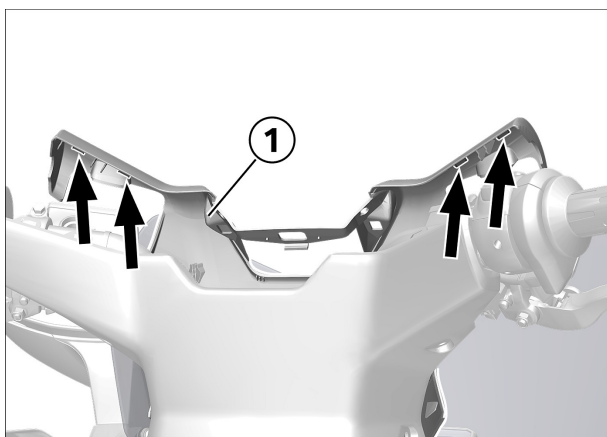


2



► Removing top handlebar cover

- Remove screws **(1)**.
- Remove handlebar cover **(2)** **carefully**.



- Remove handlebar cover **(1)** and while doing so, pay attention to mounting clips **(Arrows)**.



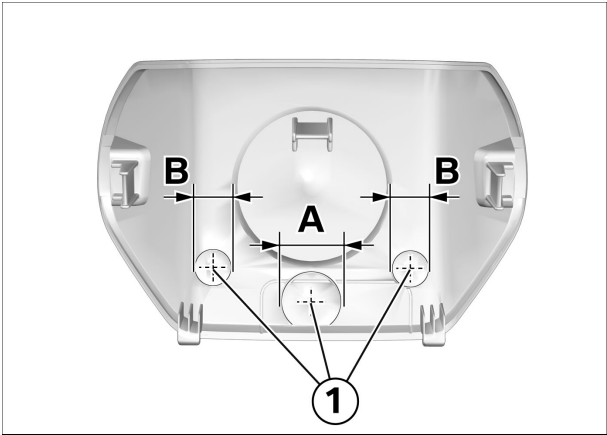
3

► **Drilling bore holes on the top handlebar cover**

Requirement

The handlebar cover is placed on a clean, soft support and is secured against twisting.

- Drill pilots hole at marks **(1)**.



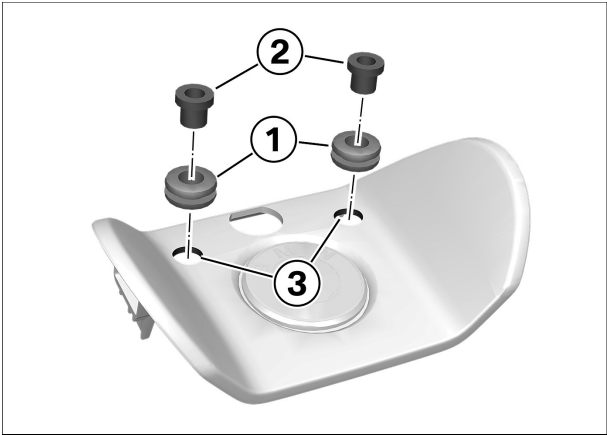
Technical data			
 Drill the pilot with drill bit, dia.		4 mm	

- Drill out bore holes using a hole cutter drill until the marks **(A)** and **(B)** are not visible any more.

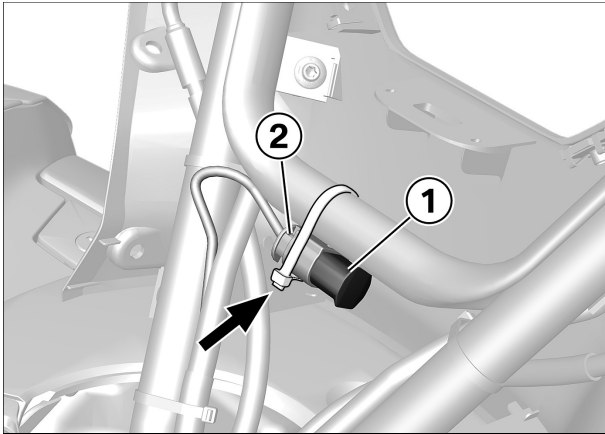
4

► **Installing rubber grommets and bushings**

- Install rubber grommets **(1)** in holes **(3)**.
- Install bushes **(2)** into rubber grommets **(1)**.



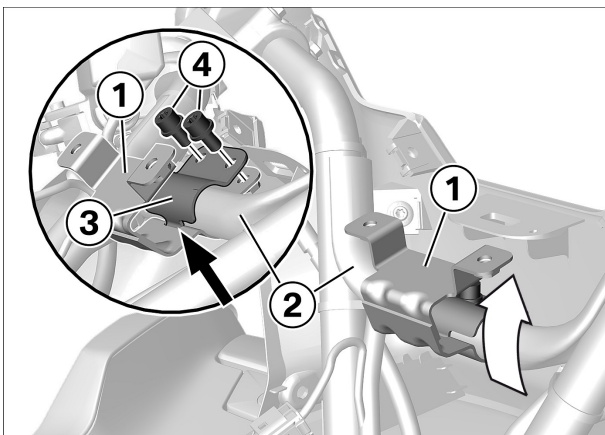
5



► **Exposing connector**

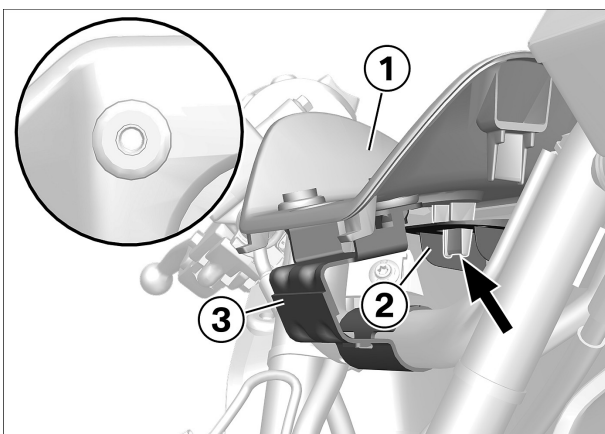
- Remove cable tie (**arrow**).
- Pull protective cap (**1**) off connector (**2**) and put away safely (**will be used again**).

6

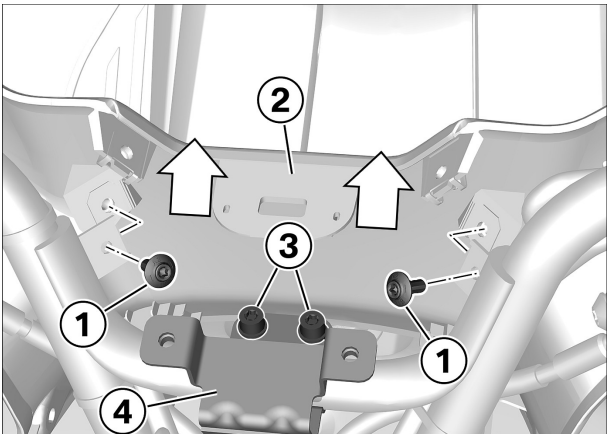


► **Positioning and installing the lower section of holder**

- From below, position the lower section of the holder (**1**) centrally on the handlebars (**2**) tilted slightly to the front.
- Insert the lug (**Arrow**) of clamp (**3**) into the opening in holder lower section (**1**) and swing the clamp (**3**) down.
- Install screws (**4**) and tighten until hand-tight. Ensure that the holder can still be twisted.
- Swing the lower section of holder (**1**) slightly to the rear.

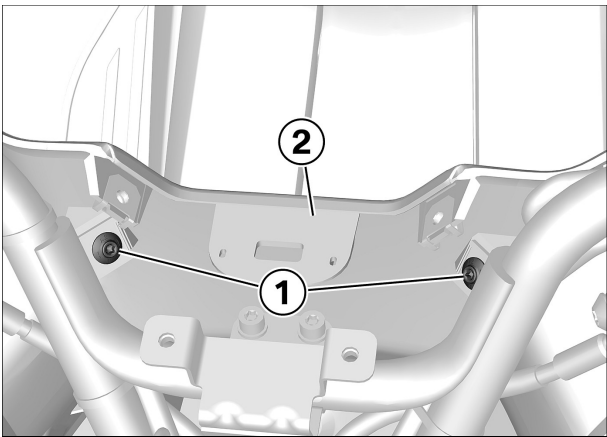


- Insert handlebar cover (**1**) in locator (**Arrow**) on lower handlebar cover (**2**).
- Align the lower section of holder (**3**) correctly such that the bore holes align with the attachment points.
- Do not twist the lower section of holder (**3**) any more.
- Remove handlebar cover (**1**).



- Remove screws **(1)** and carefully push the lower handlebar cover **(2)** to the rear.
- Tighten screws **(3)** noting that the positioning of the lower section of holder **(4)** is maintained.

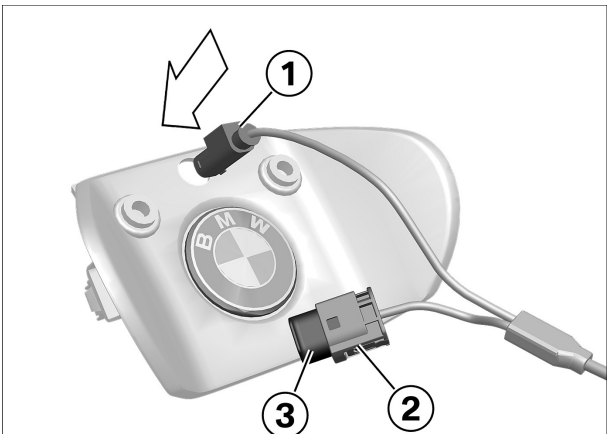
Tightening torques		
Clamp to bracket bottom section		
M6 x 12	8 Nm	– with navigation system ^{OA} or – with Smartphone Cradle ^{OA}



- Place the lower handlebar cover **(2)** against the attachment points once again and install using screws **(1)**.

Tightening torques		
General threaded fastener for fairing panels		
M5	2 Nm	

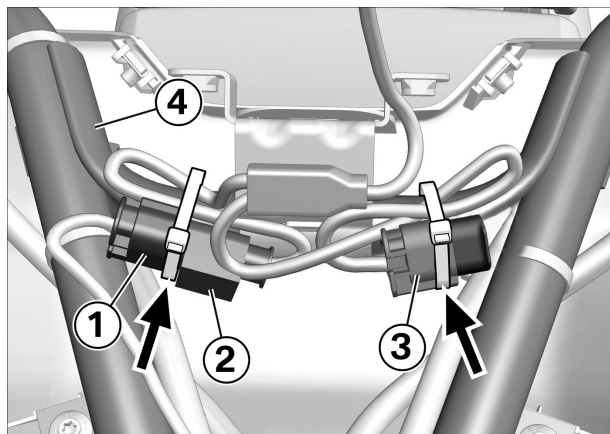
7



► Working connectors of Smartphone Cradle through hole

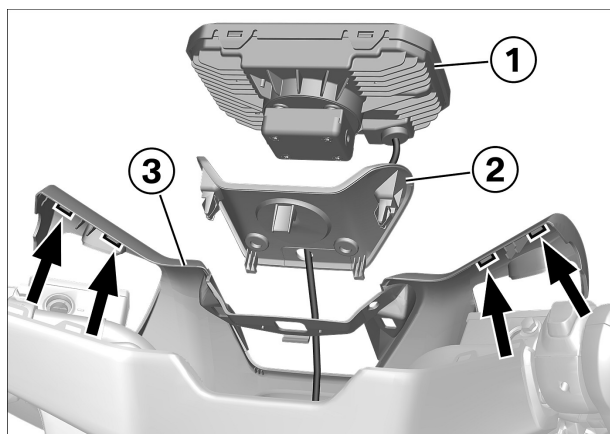
- Fit protective cap **(3)** on connector **(2)** for the additional power supply.
- Route both connectors through the bore hole from the top, first connector **(1)** and then connector **(2)** for additional power supply.

8

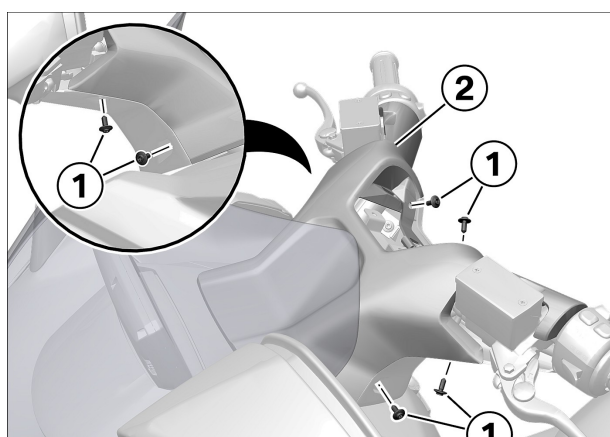
► **Making connection to Smartphone Cradle**

- Connect plug (1) of the Smartphone Cradle to plug (2).
- Secure plug connection (1) and (2) as well as connector (3) for additional power supply to handlebars (4) with cable straps (**arrows**) and to do so, lay excess cable length into loops.

9

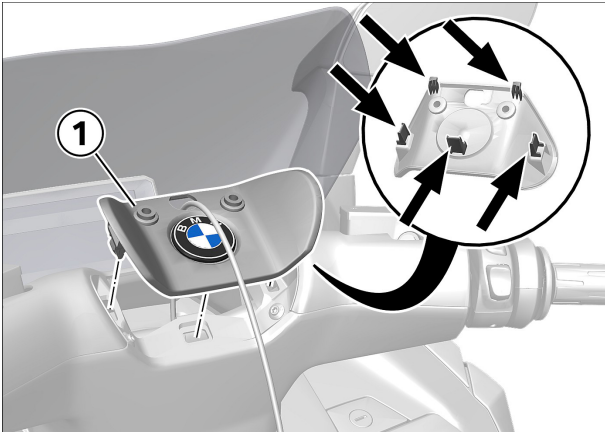
► **Installing top handlebar trim**

- Feed in Smartphone Cradle (1) and handlebar cover (2) from below into the central opening in the top handlebar cover (3).
- Position top handlebar cover (3) paying attention to mounting clips (**Arrows**).



- If required, align top handlebar cover (2) and install screws (1).

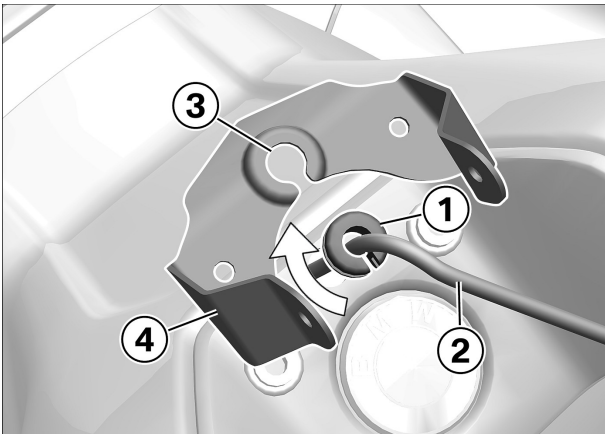
10



► Installing handlebar cover

- Install handlebar cover (1) paying attention to mounting clips (Arrows).

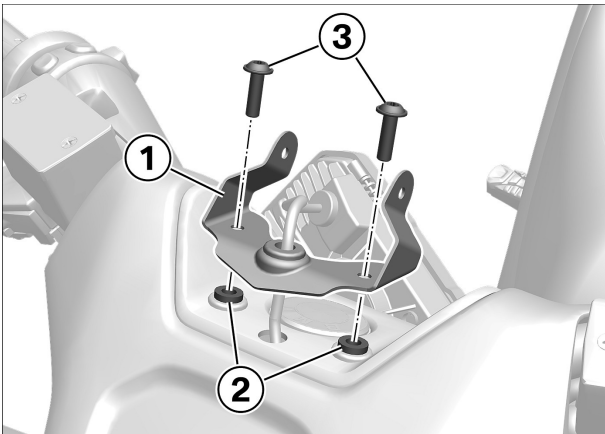
11



► Installing rubber grommet with connecting line

- Use a knife to slit through rubber grommet (1) at one side on the diameter.
- Push slit rubber grommet (1) on to connecting line (2).
- Insert rubber grommet (1) with access line (2) in recess (3) on upper section of holder (4) and twist, if required, so that the access line cannot fall out.

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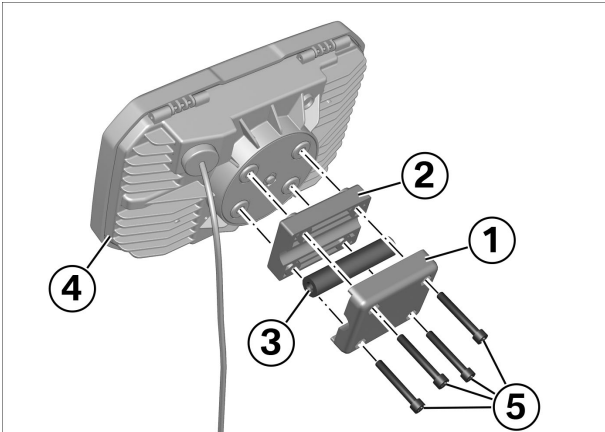


► Installing bracket top section

- Hold bracket top section (1) in position on rubber grommets (2).
- Install screws (3).

Tightening torques		
Bracket top section to bracket bottom section		
M6 x 20	8 Nm	– with navigation system ^{OA} or – with Smartphone Cradle ^{OA}

13

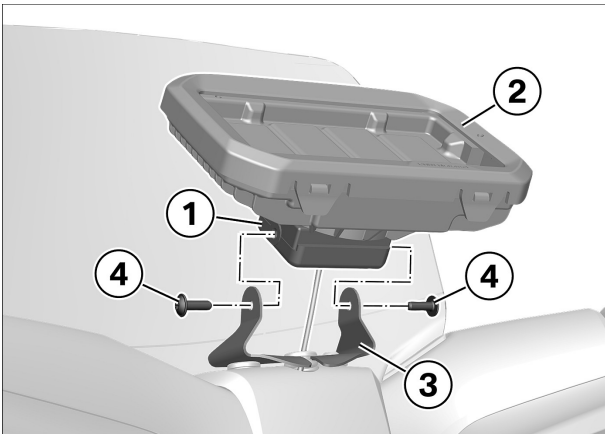


► Mount the Smartphone Cradle on mounting element

- Set mounting element lower section (1) and top section (2) at middle of cross-member (3).
- Position Smartphone Cradle (4) using screws (5) on mounting element lower section (1) and upper section (2).
- Secure Smartphone Cradle (4) with screws (5).

Tightening torques		
Smartphone Cradle to bracket		
M4 x 30	2 Nm	

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► Install clamping bracket with Smartphone Cradle in bracket top section

- Insert mounting elements (1) with mounted Smartphone Cradle (2) into bracket upper section (3).
- Position Smartphone Cradle (2) and install it with screws (4).

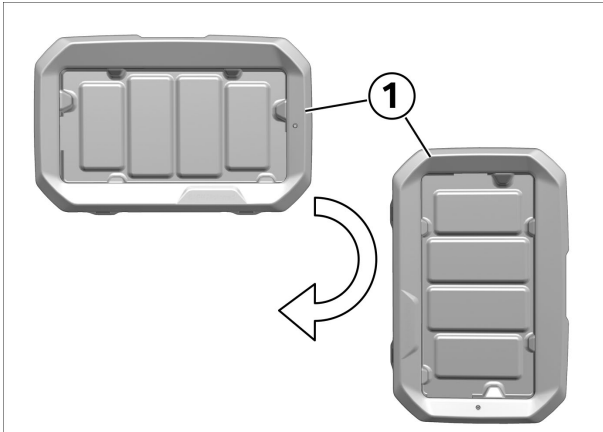
Tightening torques		
Cross-member to bracket top section		
M5 x 12	5 Nm	– with navigation system ^{OA} or – with Smartphone Cradle ^{OA}

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► Swivelling Smartphone Cradle

Requirement

Smartphone Cradle is in its initial position.



- Swivel Smartphone Cradle **(1)** to the right.
 - » Smartphone Cradle engages.
 - » Vertical position has been reached.

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► 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 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 check, start enabling

Check

- Switch on the vehicle.
- Set kill switch to operating position (run).
- Extend the side stand.
- Press the start enabling button.
 - » Vehicle **does not** start.
- Retract the side stand.
- Press the start enabling button.
 - » Vehicle **does not** start.
- With the brakes applied, press the start enabling button.
 - » Vehicle starts.

Result

Not all test steps completed successfully.

Measure

- Run the "Vehicle start enabling" troubleshooting routine and check the appropriate parts with the BMW Motorrad diagnostic system.◇