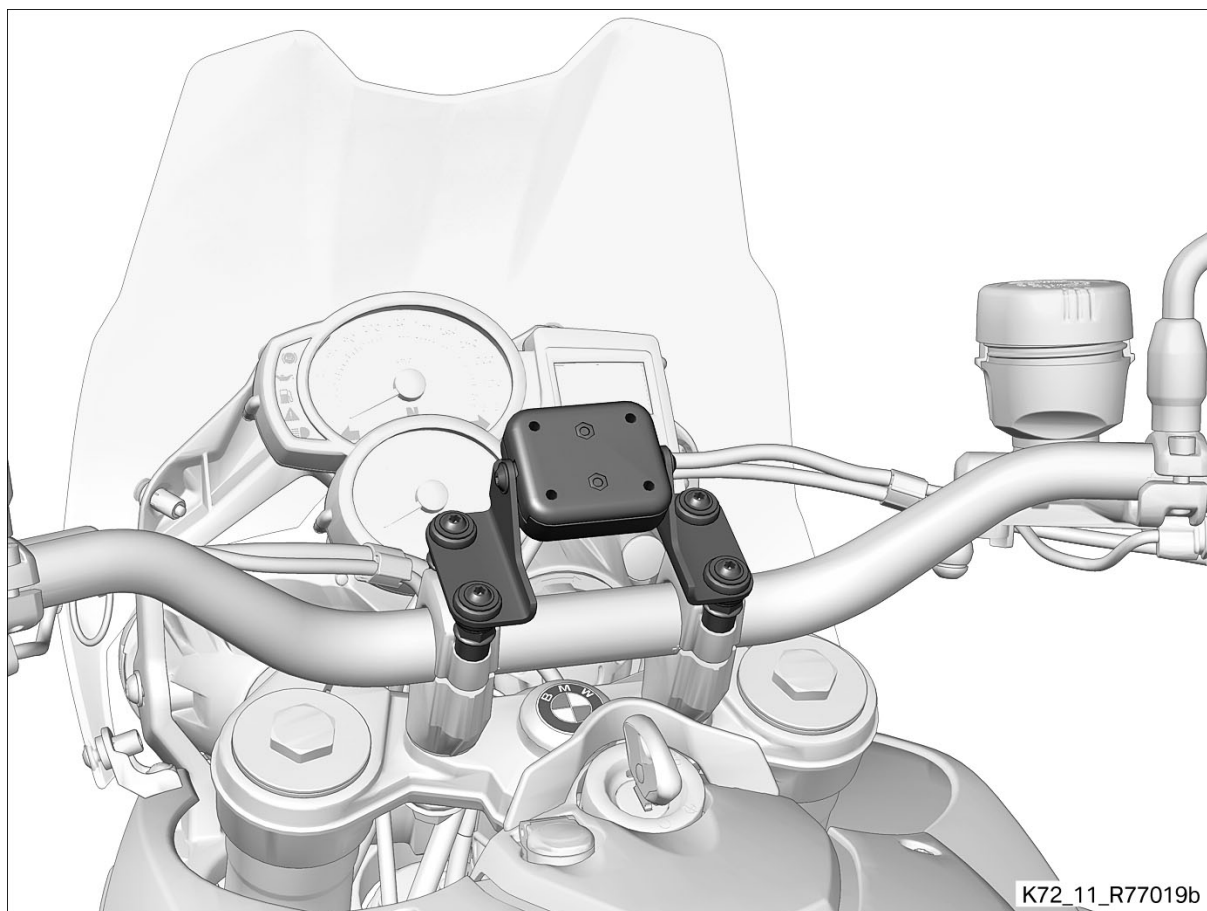


BMW Motorrad

Workshop installation instructions

Holder BMW Motorrad Navigator



NOTICE

The installation described is applicable to models, F 650 GS (K72, 0218/0228), F 800 GS (K72, 0219/0229), F 700 GS (K70/11, 0B01/0B11) and F 800 GS (K72/11 0B02/0B12)

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.



WARNING

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



DANGER

High-risk hazard. Non-avoidance leads 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.



NOTICE

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



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 motorcycle or accessories or can endanger the rider.

► Start of the main activity

▷ Start of the secondary activity

• Instruction

◄ End of the main activity

◁ End of the secondary activity

◇ End of validity designation CS (construction status), OE (optional extra) or OA (optional accessory)

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80788 Munich, Germany

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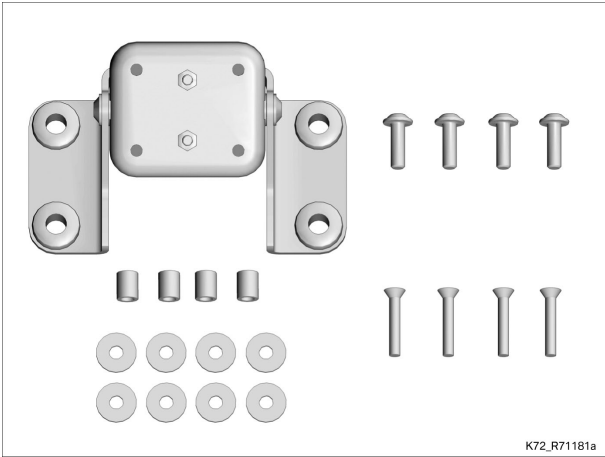
Subject to change without notice. Errors and omissions excepted.

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Holder BMW Motorrad Navigator

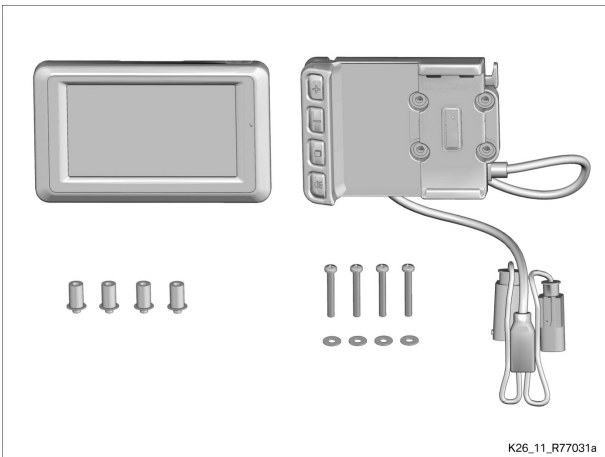
Requisite tools

- Set of Torx bits
- Torque wrench
- Combination wrench



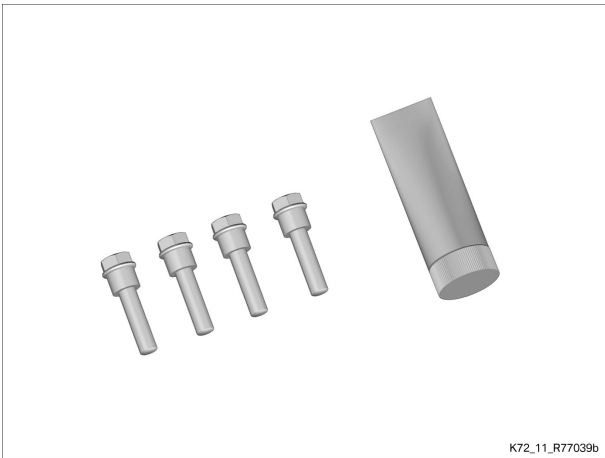
Scope of supply

- Holder
- Flanged oval-head screw, M5 4 of
- Countersunk screw M4 4 of
- Spacing bushing 4 of
- Washer 8 of




Also required:

- BMW Motorrad Navigator with Mount Cradle
- Spacing bushing with collar 4 of
- Raised-head screw 4 of
- Washer 4 of



Also required:

- Mounting bolt 4 of

 Lubricant	
MP 3 paste	07 55 9 062 476

General instructions

ATTENTION

Vehicle not securely propped

Risk of damage to parts if vehicle topples

- Prop the vehicle securely.
-

F 650 GS (K72, 0218/0228), F 800 GS (K72, 0219/0229), F 800 GS (K72/11 0B02/0B12)

77 52 200 Installing retrofit kit, navigation system

– without centre stand^{OE} (0636)

Additional work: 46 52 511 Removing and installing the middle stand special tool (motorcycles without centre stand)◇

1

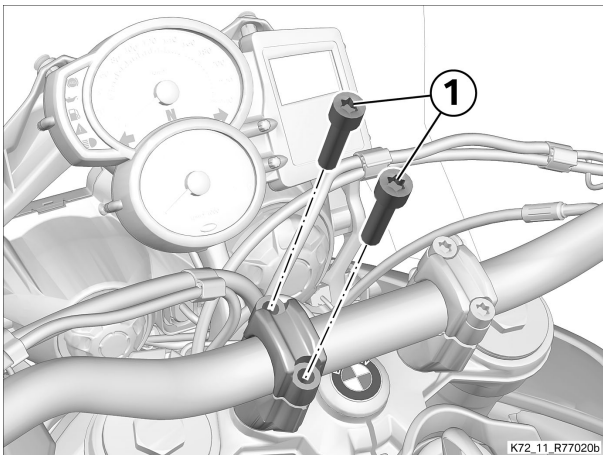
► Removing screws for left handlebar clamping block



NOTICE

In order to ensure that the handlebars do not slip out of position, slacken only **one** handlebar clamping block at a time.

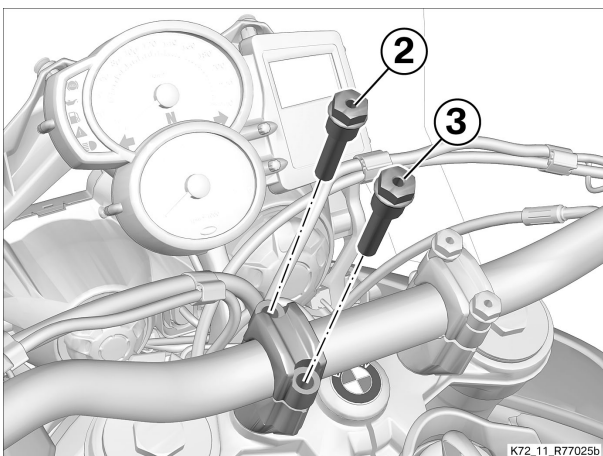
- Remove screws **(1)** for the left handlebar clamping block.



2

► Installing securing screws for left handlebar clamping block

- Clean and lubricate the securing screws.
- Install the securing screws in the left handlebar clamping block; begin by installing front securing screw **(2)** and then install rear securing screw **(3)**.



Tightening torques

Securing screw to handlebar clamping block

M8 x 30 - 10.9
Lubricate screw, Lubricant (MP 3 paste)

**in the forward
direction of
travel, tighten
until seated**

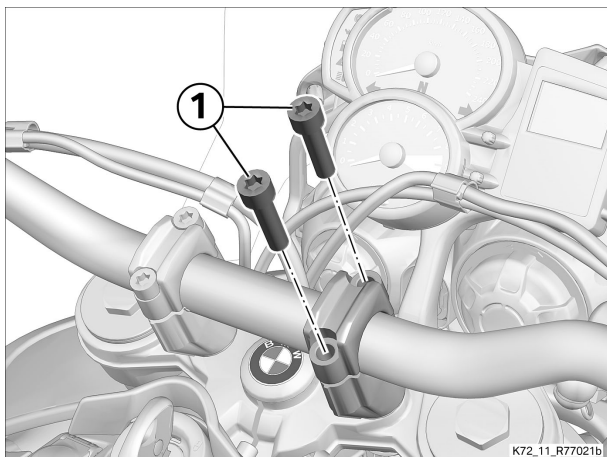
25 Nm

► Removing screws for right handlebar clamping block

NOTICE

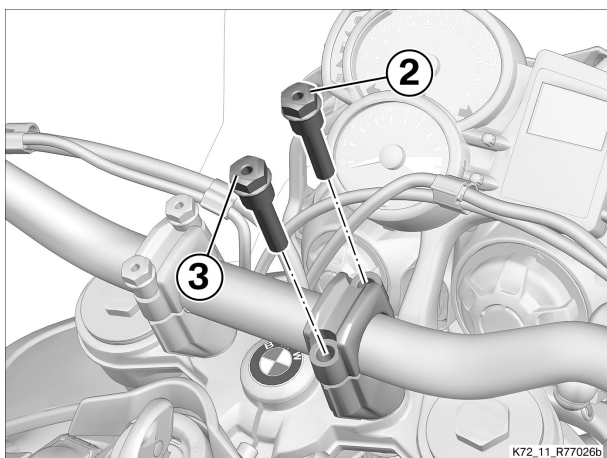
In order to ensure that the handlebars do not slip out of position, slacken only **one** handlebar clamping block at a time.


- Remove screws (1) for the right handlebar clamping block.



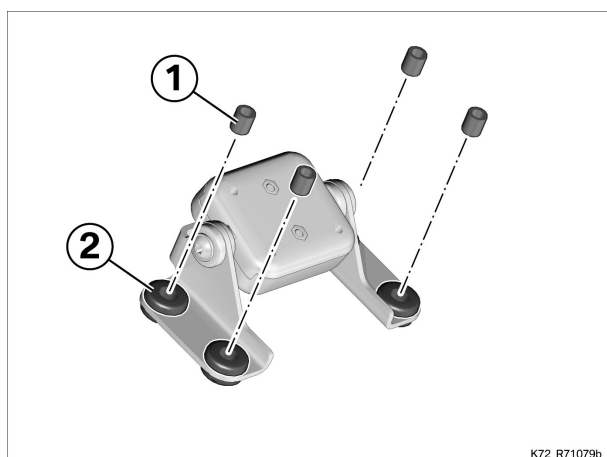
► Install the securing screws for right handlebar clamping block

- Clean and lubricate the securing screws.
- Install the securing screws in the right handlebar clamping block; begin by installing front securing screw (2) and then install rear securing screw (3).



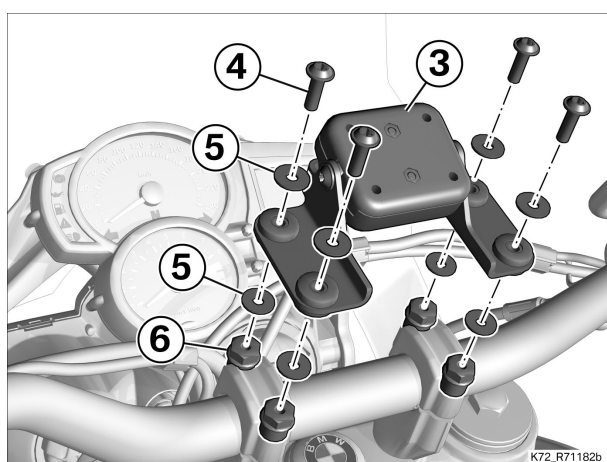
 Tightening torques		
Securing screw to handlebar clamping block		
M8 x 30 - 10.9 Lubricate screw, Lubricant (MP 3 paste)	in the forward direction of travel, tighten until seated	
	25 Nm	

5



► Securing holder on securing screws

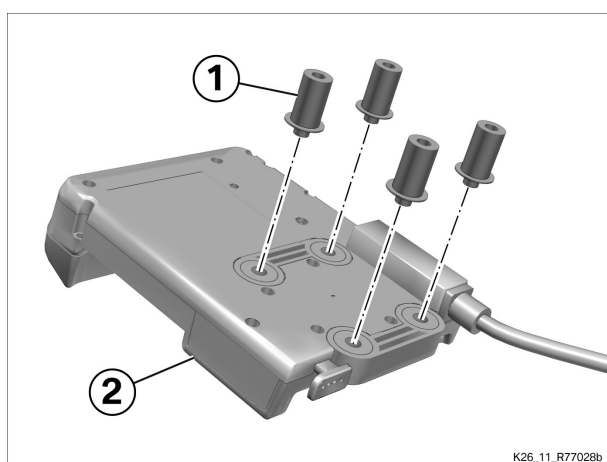
- Push spacing bushings (1) into rubber grommets (2).



- Install bracket (3) with screws (4) and washers (5) on securing screws (6).

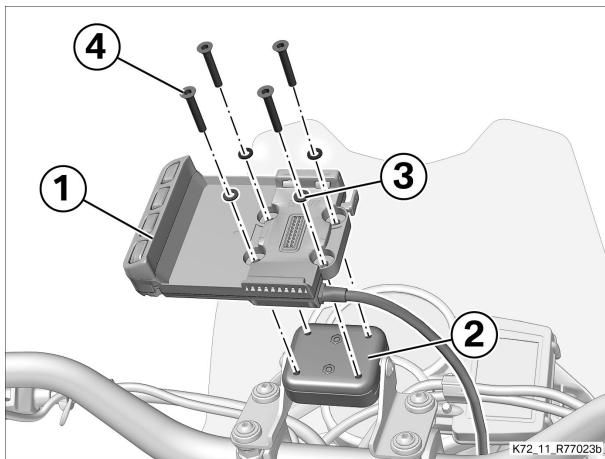
Tightening torques		
Screws for holder to securing screws		
M5 x 16	5 Nm	

6



► Mounting Advanced Mount Cradle on holder

- Push spacing bushings (1) into Advanced Mount Cradle (2).



- Position Advanced Mount Cradle (1) on bracket (2) and install with washers (3) and screws (4).



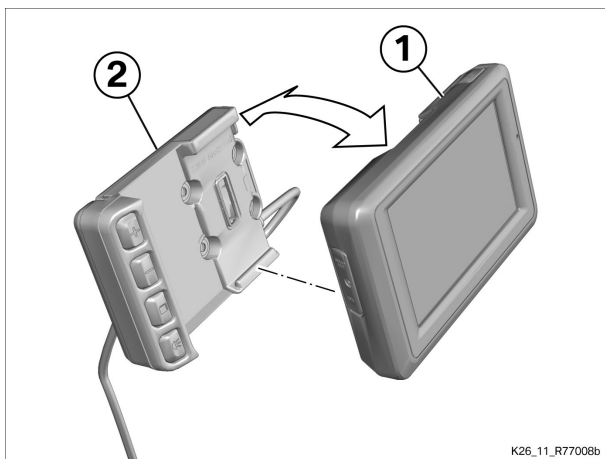
Tightening torques

Advanced Mount Cradle to holder

M4 x 30

2 Nm

7



► Securing BMW Motorrad Navigator to Advanced Mount Cradle

- Position BMW Motorrad Navigator (1) at the bottom against Advanced Mount Cradle (2) and pivot it up.
- Engage the latch of the BMW Motorrad Navigator at the top.

8

► 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.
- Switch on the ignition.
 - » Neutral telltale 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.



Additional work: 46 52 511 Removing and installing the middle stand special tool (motorcycles without centre stand)

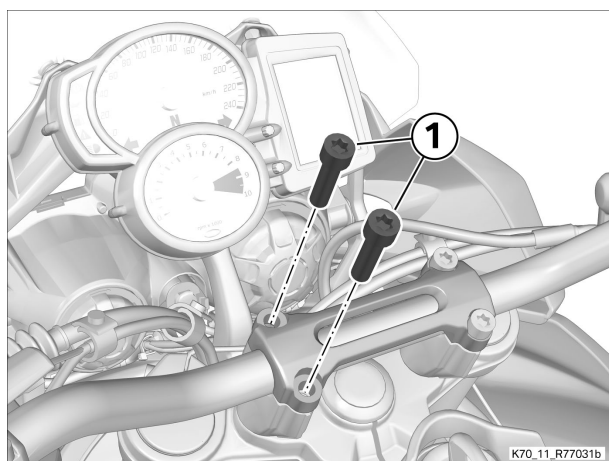
9

► Removing screws for left handlebar clamping block

NOTICE

In order to retain the basic setting of the handlebars unchanged, always slacken only **one** side of the handlebar clamping block.

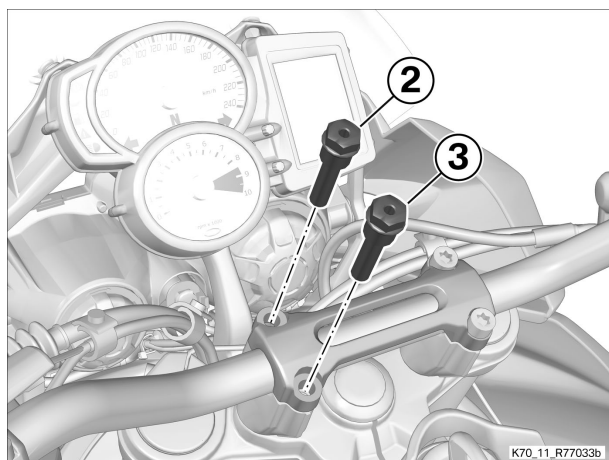
- Remove screws **(1)** for the left handlebar clamping block.




10

► Installing securing screws for left handlebar clamping block

- Clean and lubricate the securing screws.
- Install the securing screws in the left handlebar clamping block; begin by installing front securing screw **(2)** and then install rear securing screw **(3)**.



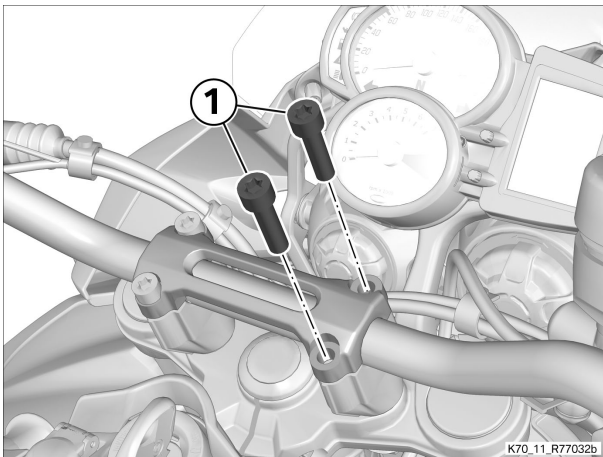
 Tightening torques		
Securing screw to handlebar clamping block		
M8 x 30 - 10.9 Lubricate screw, Lubricant (MP 3 paste)	in the forward direction of travel, tighten until seated	
	25 Nm	

► Removing screws for right handlebar clamping block

NOTICE

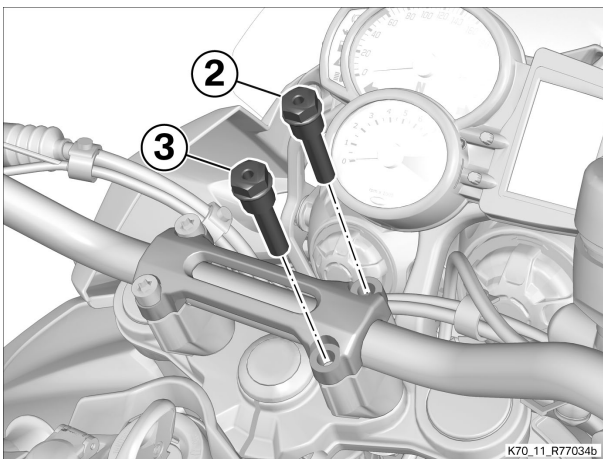
In order to retain the basic setting of the handlebars unchanged, always slacken only **one** side of the handlebar clamping block.


- Remove screws **(1)** for the right handlebar clamping block.



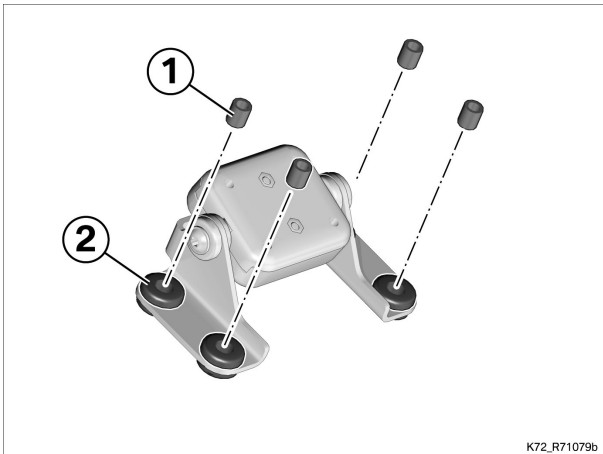
► Installing securing screws for right handlebar clamping block

- Clean and lubricate the securing screws.
- Install the securing screws in the right handlebar clamping block; begin by installing front securing screw **(2)** and then install rear securing screw **(3)**.



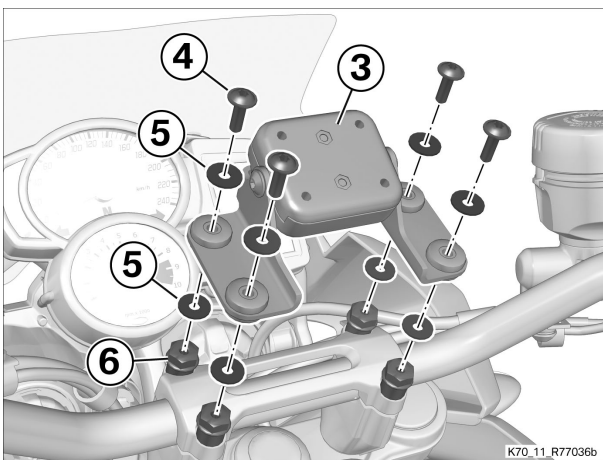
 Tightening torques		
Securing screw to handlebar clamping block		
M8 x 30 - 10.9 Lubricate screw, Lubricant (MP 3 paste)	in the forward direction of travel, tighten until seated	
	25 Nm	

13



► Securing holder on securing screws

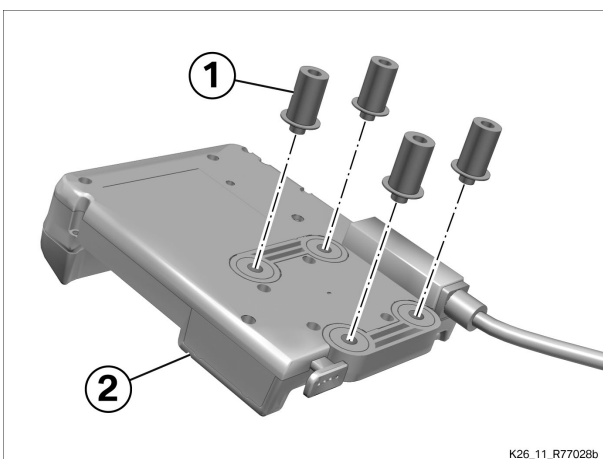
- Push spacing bushings (1) into rubber grommets (2).



- Install bracket (3) with screws (4) and washers (5) on securing screws (6).

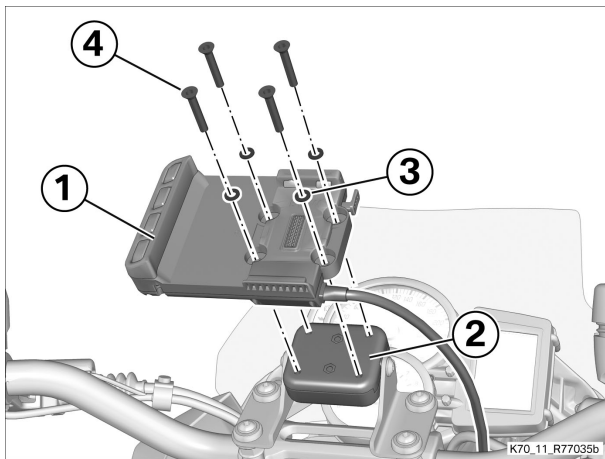
Tightening torques		
Screws for holder to securing screws		
M5 x 16	5 Nm	

14



► Mounting Advanced Mount Cradle on holder

- Push spacing bushings (1) into Advanced Mount Cradle (2).



- Position Advanced Mount Cradle (1) on bracket (2) and install with washers (3) and screws (4).



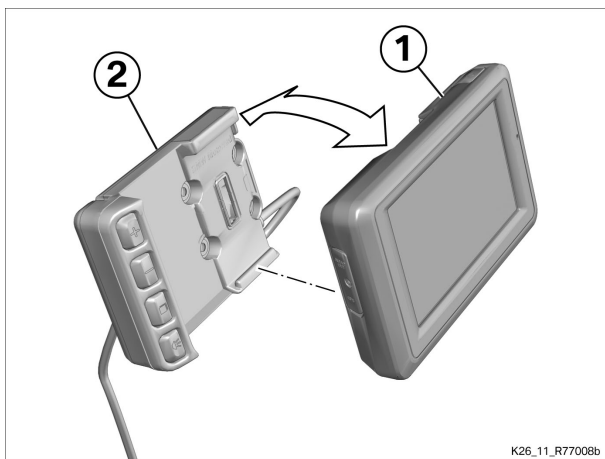
Tightening torques

Advanced Mount Cradle to holder

M4 x 30

2 Nm

15



► Securing BMW Motorrad Navigator to Advanced Mount Cradle

- Position BMW Motorrad Navigator (1) at the bottom against Advanced Mount Cradle (2) and pivot it up.
- Engage the latch of the BMW Motorrad Navigator at the top.

16

► 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.
- Switch on the ignition.
 - » Neutral telltale 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.



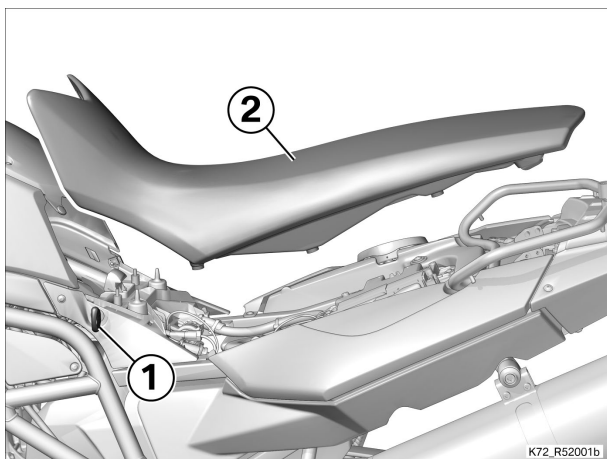
F 650 GS (K72, 0218/0228), F 800 GS (K72, 0219/0229), F 700 GS (K70/11, 0B01/0B11), F 800 GS (K72/11 0B02/0B12)

77 52 225 Installing retrofit kit, power supply for navigation system

– without centre stand^{OE} (0636)

Additional work: 46 52 511 Removing and installing the middle stand special tool (motorcycles without centre stand)◇

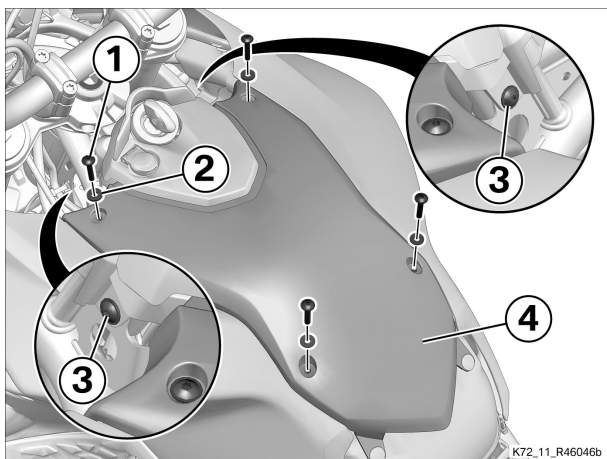
17



► Removing seat

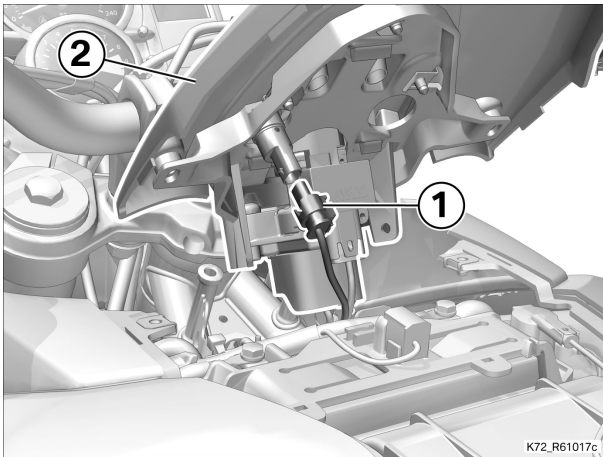
- Open the seat lock with ignition key **(1)**.
- Remove seat **(2)**.

18



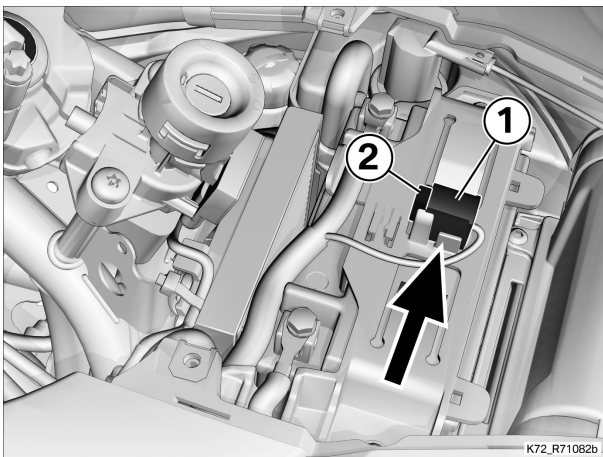
► Removing centre trim panel

- Remove screws **(1)** with plastic washers **(2)**.
- Remove screws **(3)**.
- Disengage centre trim panel **(4)**.



- Disconnect plug **(1)** for the on-board socket.
- Remove centre trim panel **(2)**.

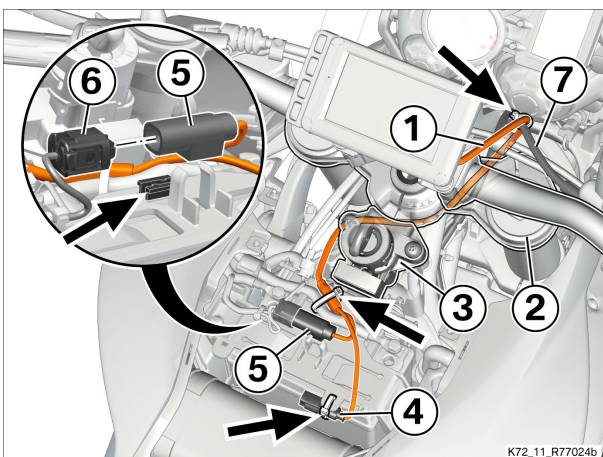
19



► Exposing optional-accessories connector

- Pull optional-accessories connector **(1)** out of the holder **(arrow)** and remove protective cap **(2)**.

20



► Routing cable for navigation system

- Route connecting cable **(1)** for the navigation system under top fork bridge **(2)** and down between top fork bridge **(2)** and ignition switch/steering lock **(3)**.
- Secure plug **(4)** for the audio system with a cable tie **(arrow)**.
 - » Plug **(4)** for the audio system is not subsequently re-used.
- Push plug **(5)** for the navigation system on to the plug mount **(arrow)** and connect to optional accessories plug **(6)**.
- Position connecting cable **(1)** for the navigation system to brake line **(7)** and secure with a cable tie **(arrow)**.

⚠ WARNING

Steering angle constrained by routing of cables or Bowden cables not in compliance with correct procedure.

Impairment of road safety.

- Check the freedom of movement of the handlebars.

- Turn the handlebars back and forth through the full arc of their travel and pull the forks forward and back at the fixed fork tubes.

Check

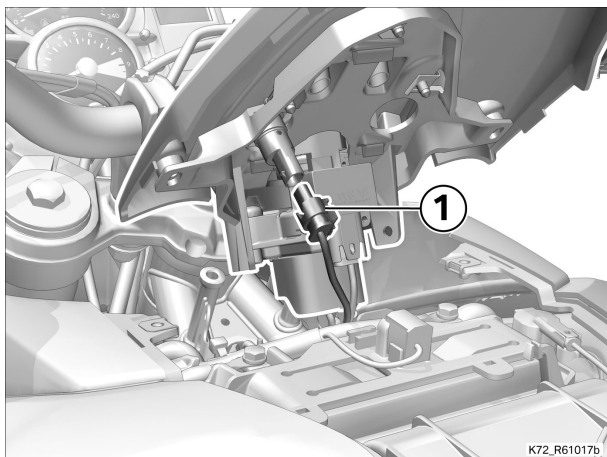
Result

Cable for navigation system is pinched or pulled taut when the handlebars are turned.

Measure

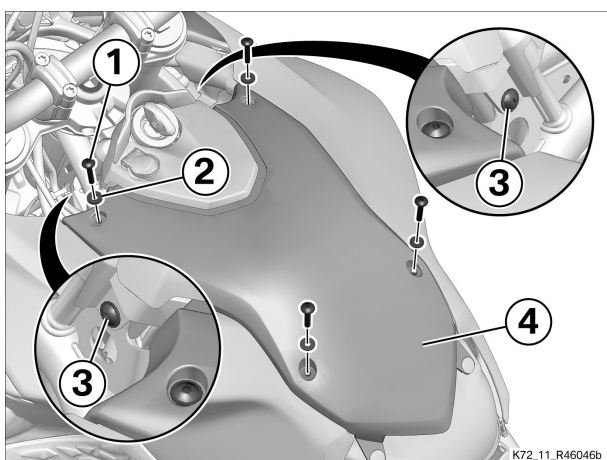
- Reposition the cable tie.

21



► Installing centre trim panel

- Connect plug (1) for the on-board socket.

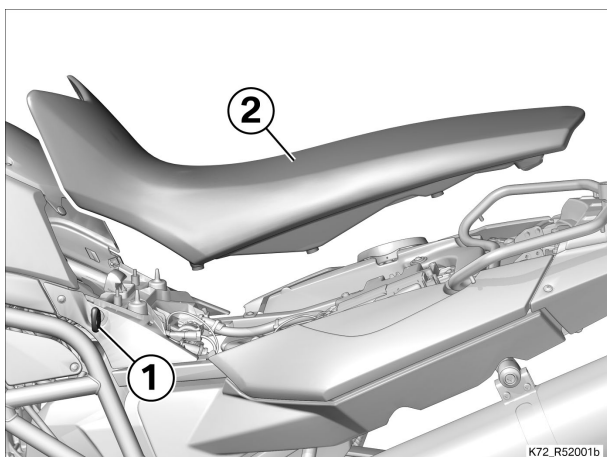


- Place centre trim panel (4) in position and align it correctly.
- Install screws (1) with plastic washers (2).

Tightening torques		
Centre trim panel to side panel		
M5 x 25	2.5 Nm	

- Install screws (3).

Tightening torques		
Trim panels		
M5	2 Nm	



► Installing seat

- Engage seat **(2)** in the holders at the rear.
- Engage seat lock **(1)** by pressing down on the front seat.

► 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 telltale 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.



Always comply with the regulations regarding approval in the country of use.

**NOTICE**

For vehicles registered in the Federal Republic of Germany:

No entry in the vehicle registration papers is required.
