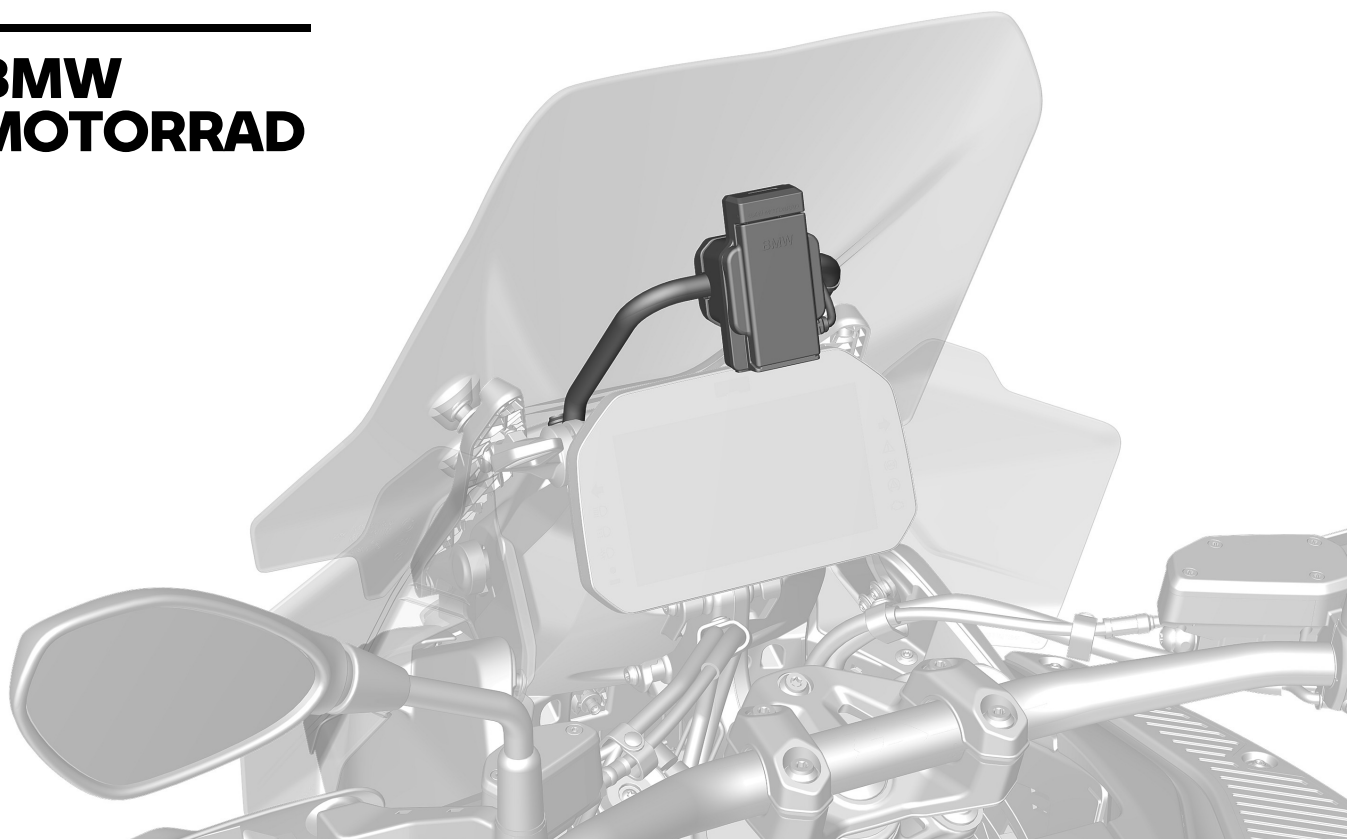




**BMW
MOTORRAD**



Installation instructions

NAVIGATION PREPARATION

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.

** 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.

- 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)

All rights reserved.

Navigation preparation

Requisite tools

- Torx wrench set
- Torque wrench



Scope of installation

Navigation preparation kit

General instructions

CAUTION

Hot engine and/or hot exhaust system

Risk of burn injury

- Allow engine and exhaust system to cool before starting work.

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

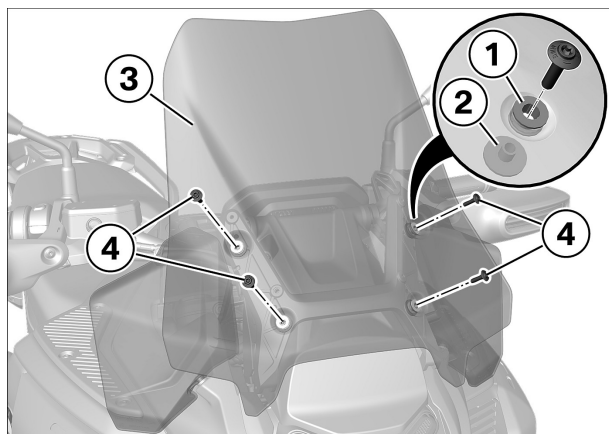
Once the retrofit kit has been installed by the workshop, these installation instructions must be handed over to the customer.

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

77 52 008 Installing the navigation system preparation

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

1



► Removing windscreen

- Remove screws **(4)** and remove windscreen **(3)**.
Note bushes **(2)** and grommets **(1)**.

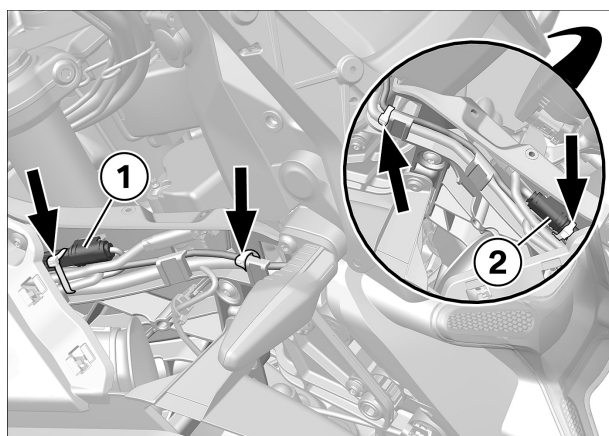


2

► Removing cover for windscreen adjuster

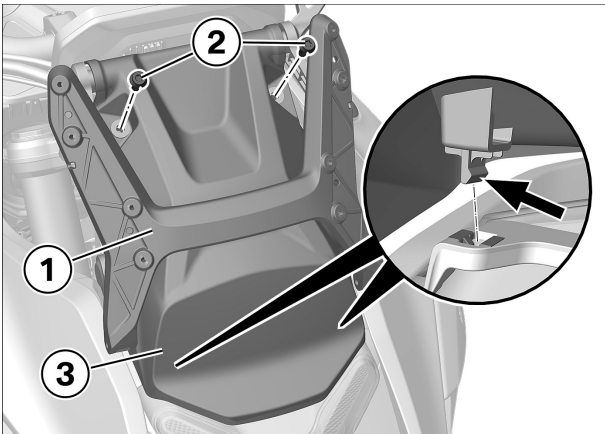
Requirement

Windscreen adjuster is raised.



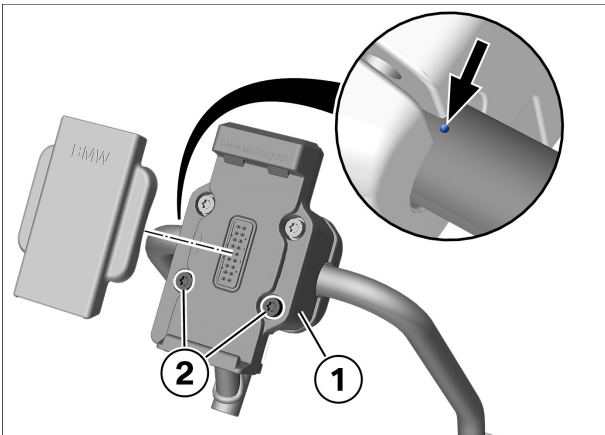
- with enduro package Pro^{OE} (024A)
- Remove cable straps **(arrows)**.
- Disconnect connectors **(1)** and **(2)** for turn indicator.
- Loosen cable from retaining tabs.◇

- with windscreen, electrically adjustable^{OE} (0559)
- If necessary, switch on ignition during removal and raise windscreen.◇



- If necessary, put windscreen adjustment mechanism **(1)** up.
- Remove screws **(2)**.
- Loosen cover **(3)** at bottom **(arrows)** and remove.

3



► **Checking navigation preparation**

- If necessary, align Mount Cradle **(1)** with the punch mark **(arrow)**, slackening screws **(2)** for this purpose.

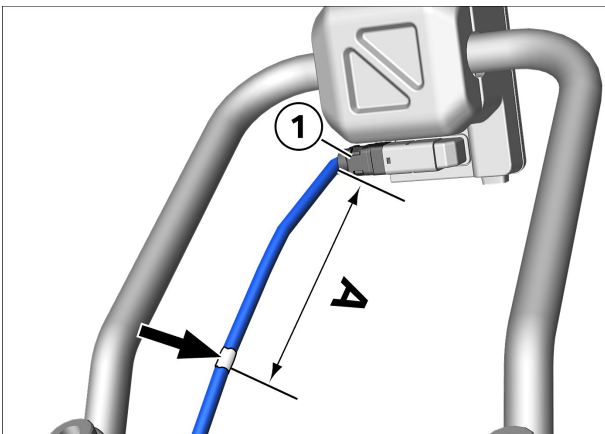
NOTICE

If the Mount Cradle is mounted to high in the base plate, it may not be possible to slide the slide to the right. In this case, slacken the four screws in the Mount Cradle, bring slide into the right position and re-tighten the screws.

- Tighten screws **(2)**.

Tightening torques		
Base plate for navigation system to holder		
M4 x 30	2 Nm	with pre- paration for navigation system ^{OE} (0272)

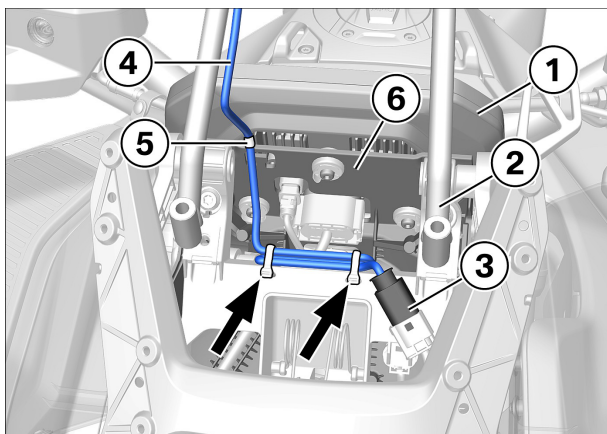
4



► **Connecting connector for navigation system**

- Connect connector **(1)**.
- Measure cable length **(A)** and mark **(arrow)**.

Technical data			
Cable length	A	130 mm	



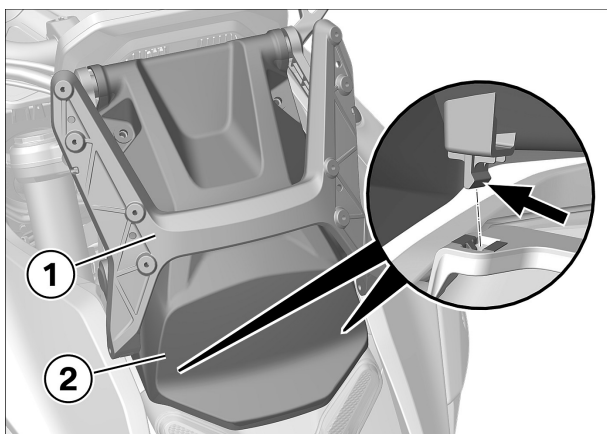
- Cover instrument cluster **(1)** and position navigation preparation **(2)**.
- Tie back cable **(4)** until mark **(5)** is flush with front panel carrier **(6)**.
- Connect connector **(3)** and cable strap **(arrows)**.

5

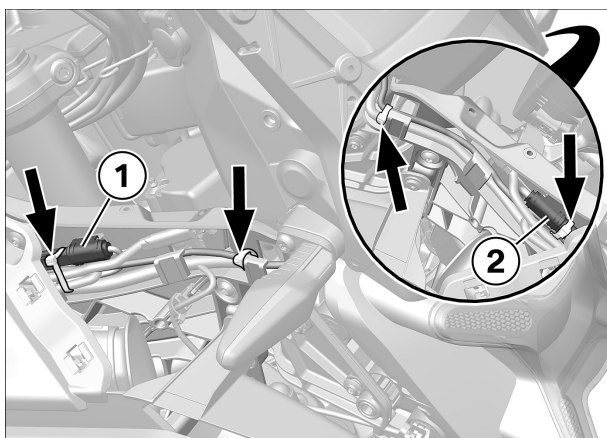
► Install the cover for windscreen adjuster

Requirement

Windscreen adjuster is raised.

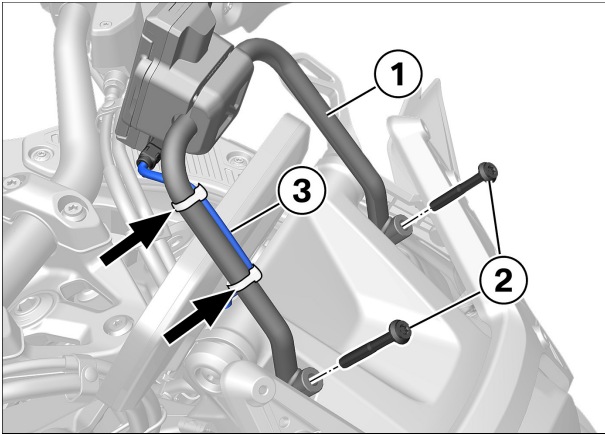


- If necessary, put windscreen adjustment mechanism **(1)** up.
- Position cover **(2)** and secure at bottom **(arrows)**.



- with enduro package Pro^{OE} (024A)
- Connect connectors **(1)** and **(2)** for turn indicator.
- Install cable strap **(arrows)**.
- Secure cable in retaining tabs.◇

6



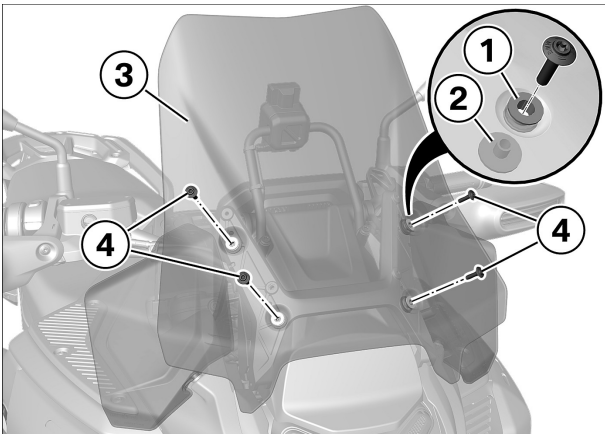
► Installing preparation for navigation system

- Secure retaining bracket (1) with screws (2).

Tightening torques		
Holder for navigation system to windscreen adjustment mechanism		
M6 x 45	5 Nm	with pre- paration for navigation system ^{OE} (0272)

- Secure cable (3) with cable ties (arrows).

7



► Install the windscreen

- Ensure correct installation of grommets (1) and bushes (2).
- Secure windscreen (3) with screws (4).

Tightening torques		
Windscreen to holder		
M5 x 20	2 Nm	

- With the windscreen fitted, check the distance between the holder and windscreen.
Examine the entire windscreen and check the distance.
- Align the holder if necessary.

8

► 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 the appropriate parts with the BMW Motorrad diagnostic system.

with automated shift assistant^{OE} (022A)

Check

- Set kill switch to centred position.
- Switch on the ignition.
- » Neutral position N or rollaway prevention P lights up.
- **Neutral position N lights up.**
- Press the starter button.
- » Starter operates.
- **Rollaway prevention P lights up.**
- Press the starter button.
- » Starter motor not working.
- Apply brake **and** press starter button.
- » Starter operates.
- **Engine running, gear engaged.**
- Extend the side stand.
- » Engine stops, rollaway prevention 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 the appropriate parts with the BMW Motorrad diagnostic system.◇

