

# ANBAUANLEITUNG

mounting instructions • instructions de montage • instrucciones de montaje • istruzioni di montaggio

## HDG.00.220.29001/B

beinhaltet • contains • contient • contiene • contiene

HDG.00.220.80302/B

HDG.00.220.90000

HDG.00.220.10300/B

Item number: HDG.00.220.80302/B

Revision: 01 • Date: 09 - 2024

## Handguard mounting kit

 ~ 0.5 h.EASY     DIFFICULT

**ENGLISH** Thank you for choosing this premium product from SW-MOTECH. Visit our online shop for more information (e.g. model assignments). Required documents (e.g. national type approval) are available there for you to download.

Please read and understand all the instructions, safety information and warnings in these mounting instructions before mounting and using the product in order to avoid injury and damage. Keep these mounting instructions for reference.

This product was developed for vehicles in factory condition. Compatibility with original accessories or accessories from other manufacturers cannot be guaranteed.

These mounting instructions have been prepared to the best of our current knowledge. No legal claims relating to accuracy can be made. Errors and omissions excepted. We reserve the right to make technical and design changes. The copyright is held by SW-MOTECH.

## SAFETY WARNING SYMBOL

 This warning symbol is used in these mounting instructions to warn of deadly dangers, injuries or other hazards. The words DANGER, WARNING or CAUTION are used as part of this warning symbol to convey important safety messages and information relating to the installation and use of this product. These words, together with the safety warning symbol, mean:

 **DANGER:** Indicates a hazardous situation which, if not avoided, will result in death or serious injury!

 **WARNING:** Indicates a hazardous situation which, if not avoided, may result in death or serious injury!

 **CAUTION:** Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury!

 **NOTE:** Important information, but not relating to a risk of death or injury (property damage only)!

## GENERAL INFORMATION

 **WARNING:** Assembly and/or maintenance of this product requires advanced technical skill, appropriate tools, and a good understanding of tool usage and torque specifications. For your own safety, SW-MOTECH recommends having the assembly and/or maintenance carried out by a qualified and certified motorcycle workshop.

 **WARNING:** If you do choose to assemble this product yourself, carefully and fully read the mounting instructions before assembly and use, and follow all instructions to avoid serious injury or death. Also observe all relevant information in the vehicle manual when mounting or using the product. IF YOU DO NOT UNDERSTAND ANY PART OF THESE MOUNTING INSTRUCTIONS OR NEED AN EXPLANATION AS TO A SPECIFIC INSTRUCTION, DO NOT ATTEMPT TO INSTALL THIS PRODUCT WITHOUT CONSULTING SW-MOTECH FOR ASSISTANCE!

**PREPARATION:** Read the mounting instructions carefully and make sure that all parts on the parts list are available.

 **CAUTION:** Ensure that your vehicle is standing securely. Switch off the engine and remove the ignition key. Allow the engine/exhaust to cool down if necessary. Disconnect the battery when working on the electrical system. Only use proper tools and always wear safety goggles and gloves during assembly and maintenance. Have a second person help you with assembly and maintenance.

**ASSEMBLY:** All parts and connections removed from the vehicle must be reinstalled according to the vehicle manufacturer's specifications or replaced with parts and hardware supplied by SW-MOTECH.

 **WARNING:** Secure all threads with a medium-strength liquid threadlocker, unless otherwise specified.

 **DANGER:** Tightening torques not defined by SW-MOTECH must be obtained from the vehicle manufacturer or a certified motorbike workshop.

**FUNCTIONAL CHECK:** After mounting the product, ensure that no moving parts are obstructed and that the function of the vehicle is not impeded. Cables and hoses must not rub against each other and/or be hindered in any way.

 **WARNING:** Carry out a comprehensive functionality check before you start to drive. Check the tightening torque of all connections and the tight fit of the product after the first 50 km and then at regular intervals. Mounted accessories can change the handling and stability of the vehicle.



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Take note of the symbols and what they mean in the ASSEMBLY section. If the term OEM appears in the ASSEMBLY section, the vehicle manufacturer's specifications must be observed and applied.



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**Use thread locker:** Indicates that a thread must be coated with liquid thread locker. H (HIGH): high strength; M (MEDIUM): medium strength; L (LOW): low strength.



**Tighten/note the tightening torque information:** Indicates the tightening torque of a part specified by SW-MOTECH or the vehicle manufacturer (OEM).



**Do not use thread lock:** Indicates that no liquid thread lock should be used at this point.

# PARTS LIST • READ AND KEEP MOUNTING INSTRUCTIONS!

1

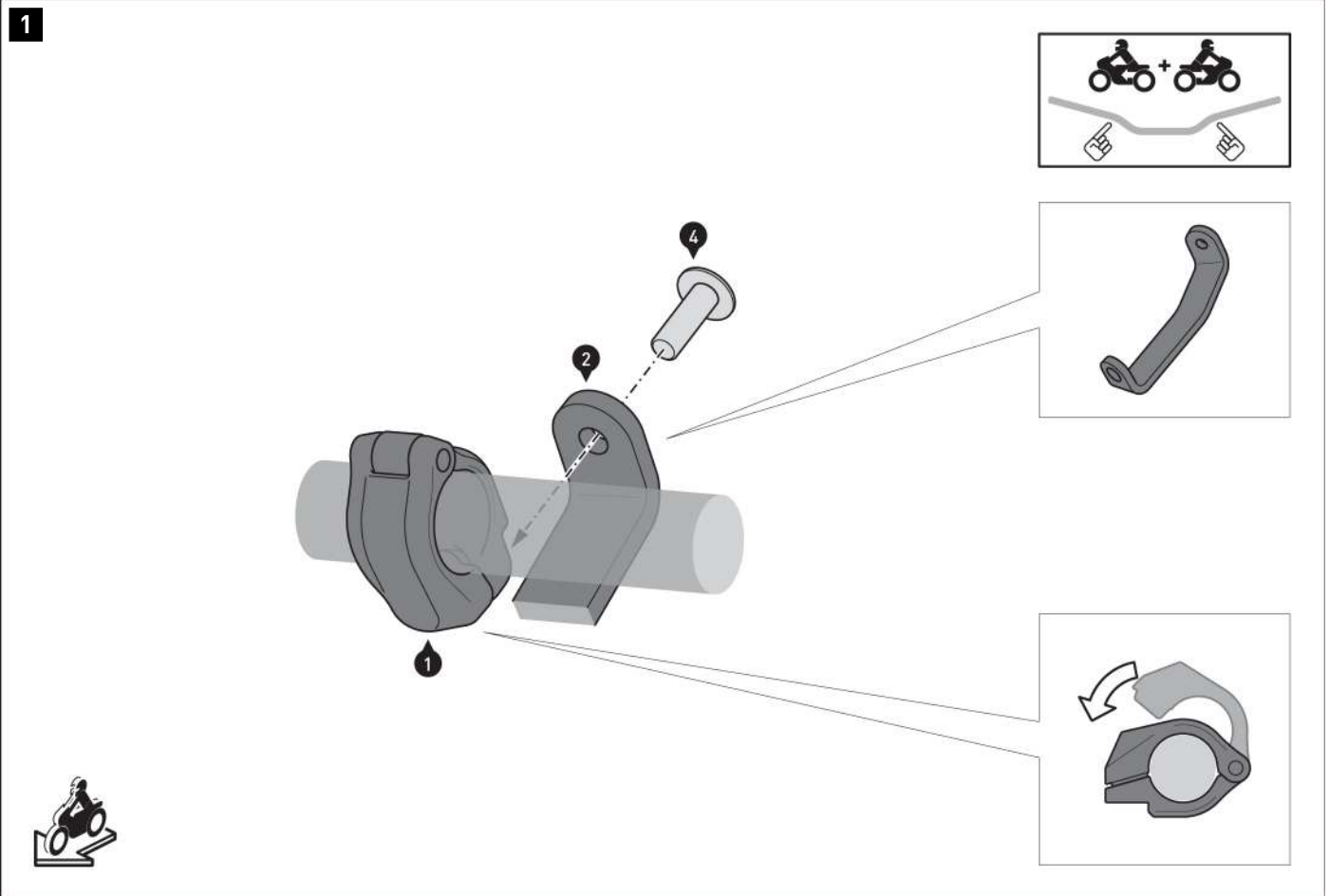


2



3





**⚠ WARNING:** Since the handguard mounting kit is installed in a safety-relevant area of the vehicle, SW-MOTECH recommends having the installation/maintenance of the product carried out by a qualified specialist workshop.

**⚠ WARNING:** Always wear eye and hand protection!

**⚠ WARNING:** Always use the proper tools!

**⚠ NOTE:** Installation is shown on the left side. Repeat the installation with the corresponding parts on the right side of the handlebar.

**⚠ NOTE:** The handlebar shown serves as an example.

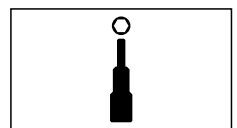
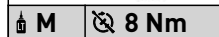
**⚠ NOTE:** The connecting plate (2/3) shown in the drawing is for illustrative purposes only. The correct image and orientation of the connecting plate are shown in the detailed drawing on the right.

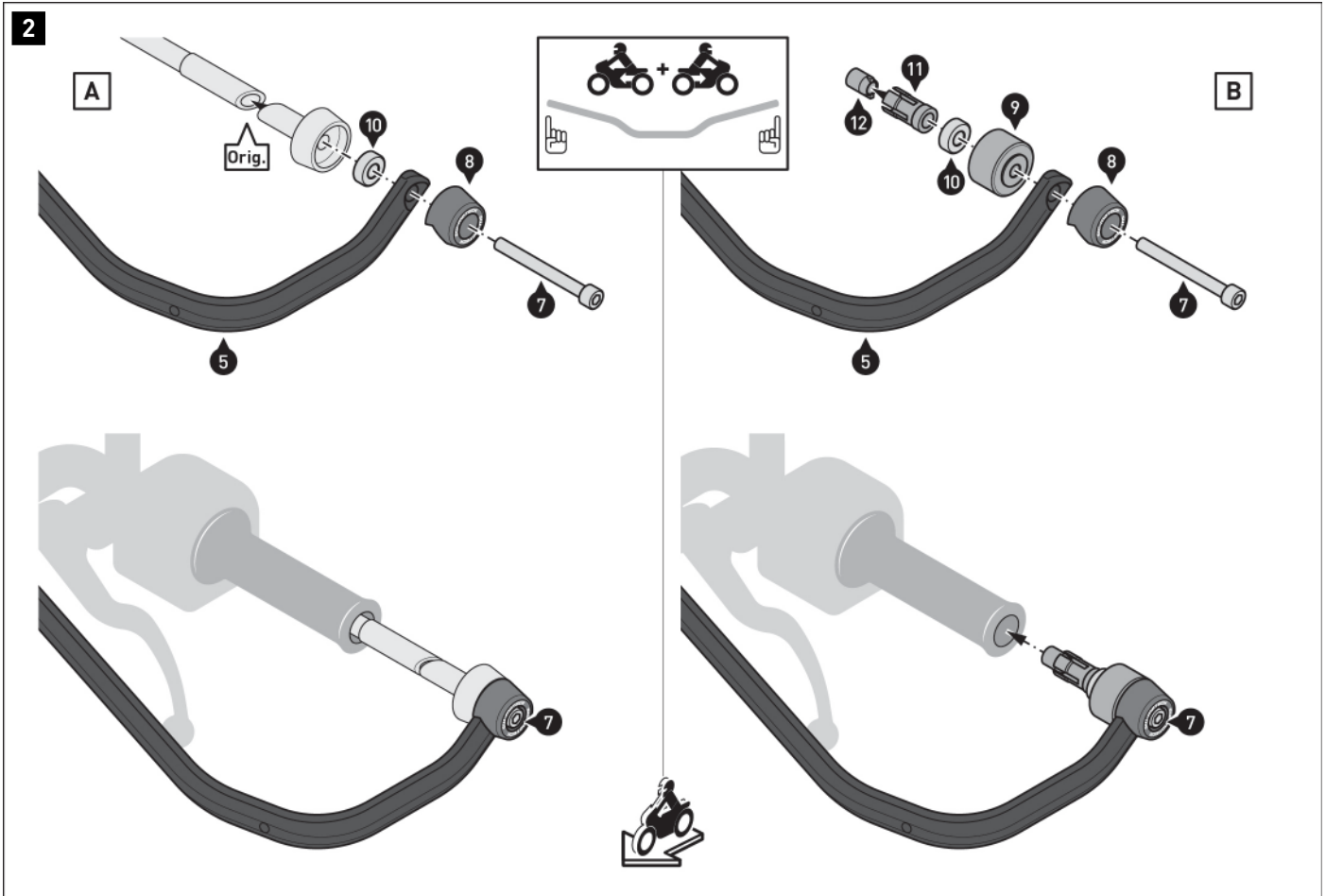
Place the clamps (1) around the handlebars at the locations shown in the detailed drawing above.

Screw the connecting plates (2/3) to the clamps (1) LOOSELY. The clamps (1) must remain movable for positioning.

**⚠ WARNING:** Use a liquid threadlocker!

Tighten the screws (4) hand-tight.





Remove the original end weights and handguards if mounted.  
Make sure the handlebar ends and the inside of the handlebars are clear.

#### Assembly diagram A - CF MOTO 450 MT

Loosely screw the parts shown with the original clamping bushings (Orig.) to the brackets (5/6), as shown in the drawing above.

**⚠ WARNING: Use a liquid threadlocker!**  
Only tighten the screws (7) loosely.

Mount the brackets (5/6) on the handlebar ends as shown in the drawing below.

To do this, tighten the screws (7) until the original clamping bushes (Orig.) are tightened on the inside, but the brackets (5/6) can still be readjusted.

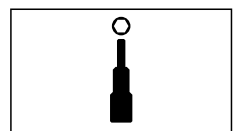
#### Assembly diagram B - all other assigned vehicle models

Loosely screw the parts shown to the brackets (5/6) as shown in the drawing above.

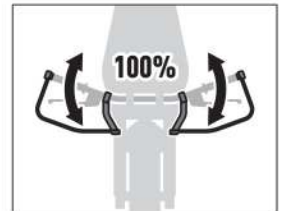
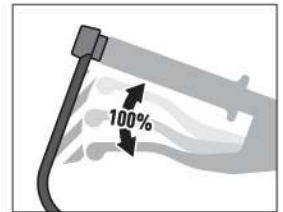
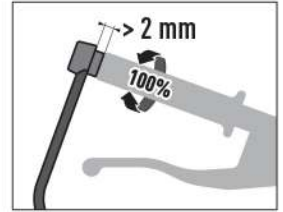
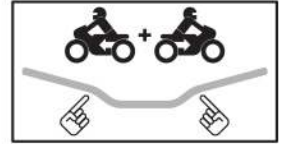
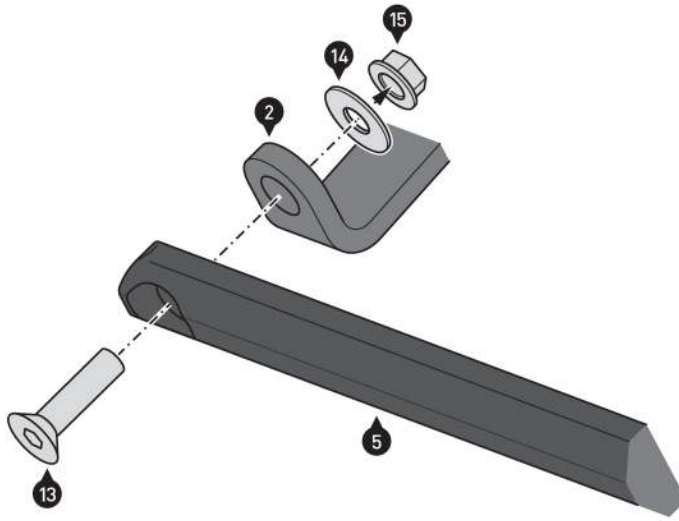
**⚠ WARNING: Use a liquid threadlocker!**  
Only tighten the screws (7) loosely.

Mount the brackets (5/6) on the handlebar ends as shown in the drawing below.

Do this by tightening the screws (7) to the point where the expansion sleeves (11) have tensioned on the inside, but the brackets (5/6) can still be readjusted.



3

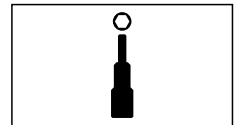
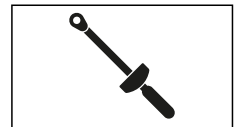


Screw the inner ends of the brackets (5/6) to the connecting plates (2/3). Do not tighten the screws (13) yet.

Now position the brackets (5/6) according to your driving ergonomics and tighten all the screws in the following order and as specified in the mounting instructions: (13), (4), (7).

**⚠ DANGER:** If there is not enough space after installation of all components, the brake and clutch unit must be moved a few millimeters towards the end or middle of the handlebar!

**⚠ DANGER:** After installation, make sure that all switch and control units, especially the throttle assembly, brake lever, emergency stop switch and clutch, function properly and are easy to use! Also make sure that the handlebars can be fully turned in both directions. If parts of the product come into contact with the tank or other vehicle components when the steering wheel is at full lock, repositioning the product or the handlebars is absolutely necessary! Make sure that the installation complies with the vehicle manufacturer's specifications! DO NOT ride your vehicle if the switch and control units are not functioning correctly or cannot be operated correctly! BEFORE every ride, carry out a complete functional check of the handlebars and all fittings!



**PRODUCT-SPECIFIC NOTES**

**⚠ NOTE:** Observe the country-specific regulations for the registration/operation of your vehicle or applicable TÜV regulations. After assembly, have parts that are subject to registration entered in the vehicle documents by your test centre.

Item number: HDG.00.220.90000

Revision: 00 • Date: 11 - 2023

## Handguard mounting kit supplement

 ~ 0.5 h.EASY      DIFFICULT

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## GENERAL INFORMATION

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 **WARNING:** If you do choose to assemble this product yourself, carefully and fully read the mounting instructions before assembly and use, and follow all instructions to avoid serious injury or death. Also observe all relevant information in the vehicle manual when mounting or using the product. IF YOU DO NOT UNDERSTAND ANY PART OF THESE MOUNTING INSTRUCTIONS OR NEED AN EXPLANATION AS TO A SPECIFIC INSTRUCTION, DO NOT ATTEMPT TO INSTALL THIS PRODUCT WITHOUT CONSULTING SW-MOTECH FOR ASSISTANCE!

**PREPARATION:** Read the mounting instructions carefully and make sure that all parts on the parts list are available.

 **CAUTION:** Ensure that your vehicle is standing securely. Switch off the engine and remove the ignition key. Allow the engine/exhaust to cool down if necessary. Disconnect the battery when working on the electrical system. Only use proper tools and always wear safety goggles and gloves during assembly and maintenance. Have a second person help you with assembly and maintenance.

**ASSEMBLY:** All parts and connections removed from the vehicle must be reinstalled according to the vehicle manufacturer's specifications or replaced with parts and hardware supplied by SW-MOTECH.

 **WARNING:** Secure all threads with a medium-strength liquid threadlocker, unless otherwise specified.

 **DANGER:** Tightening torques not defined by SW-MOTECH must be obtained from the vehicle manufacturer or a certified motorbike workshop.

**FUNCTIONAL CHECK:** After mounting the product, ensure that no moving parts are obstructed and that the function of the vehicle is not impeded. Cables and hoses must not rub against each other and/or be hindered in any way.

 **WARNING:** Carry out a comprehensive functionality check before you start to drive. Check the tightening torque of all connections and the tight fit of the product after the first 50 km and then at regular intervals. Mounted accessories can change the handling and stability of the vehicle.



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**Tighten/note the tightening torque information:**  
Indicates the tightening torque of a part specified by SW-MOTECH or the vehicle manufacturer (OEM).

1

1



M6 x 35; DIN 912  
SC.ST.06.035.02.912.088

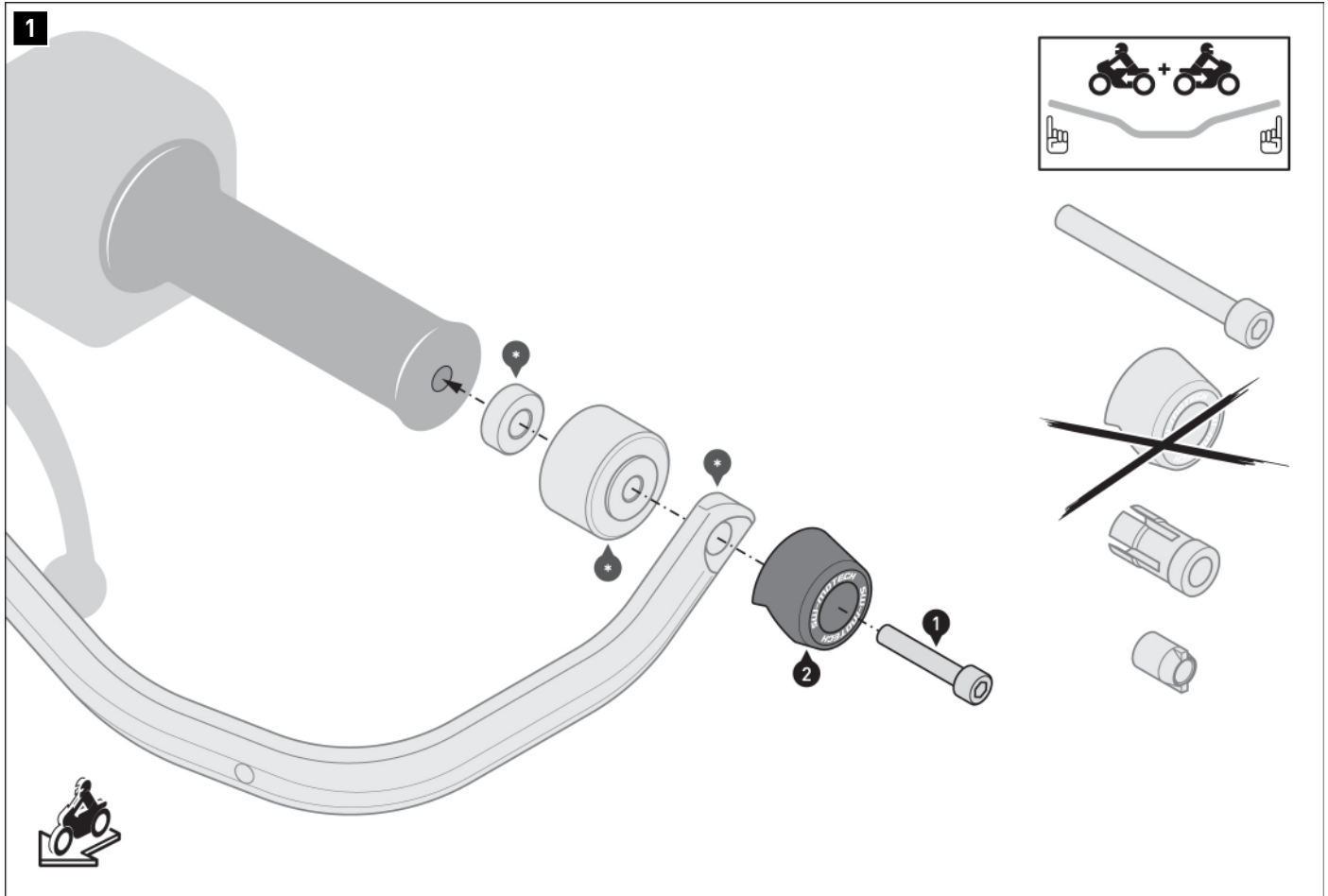
 2/2

2



HDG.00.220.012.25

 2/2



**⚠ WARNING:** Always wear eye and hand protection!  
**⚠ WARNING:** Always use the proper tools!

**⚠ NOTE:** This is a mounting kit supplement. Use the parts (\*) from the actual assembly set, and mount them with the parts included at the location on the handlebar shown. The parts not listed are not required during assembly.

**⚠ WARNING:** Be sure to observe all instructions given in the installation instructions for the assembly kit, and follow them as indicated.

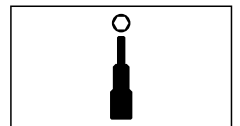
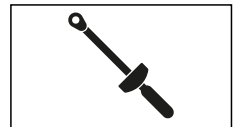
**⚠ NOTE:** Assembly is shown on the left side. Repeat the assembly with the corresponding parts on the right side of the handlebar.

**⚠ NOTE:** The handlebars shown here serve as an example.

Screw the brackets (\*) to the parts shown at the end of the handlebar.

**⚠ WARNING:** Use a liquid threadlocker!

Tighten the screws (1) as specified in the installation instructions.



**PRODUCT-SPECIFIC NOTES**

**⚠ NOTE:** *Observe the country-specific regulations for the registration/operation of your vehicle or applicable TÜV regulations. After assembly, have parts that are subject to registration entered in the vehicle documents by your test centre.*

Item number: HDG.00.220.10300/B

Revision: 01 • Date: 12 - 2023

## Sport handguard shell set

 ~ 0.25 h.EASY      DIFFICULT

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 **DANGER:** Tightening torques not defined by SW-MOTECH must be obtained from the vehicle manufacturer or a certified motorbike workshop.

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 **WARNING:** Carry out a comprehensive functionality check before you start to drive. Check the tightening torque of all connections and the tight fit of the product after the first 50 km and then at regular intervals. Mounted accessories can change the handling and stability of the vehicle.



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**Do not use thread lock:** Indicates that no liquid thread lock should be used at this point.



**Tighten by hand:** Indicates that the attachment must be carefully tightened by hand.

PARTS LIST • READ AND KEEP MOUNTING INSTRUCTIONS!

1

1



HDG.00.220.004L.02

 1/1

2



HDG.00.220.004R.02

 1/1

3



HDG.00.220.006.02

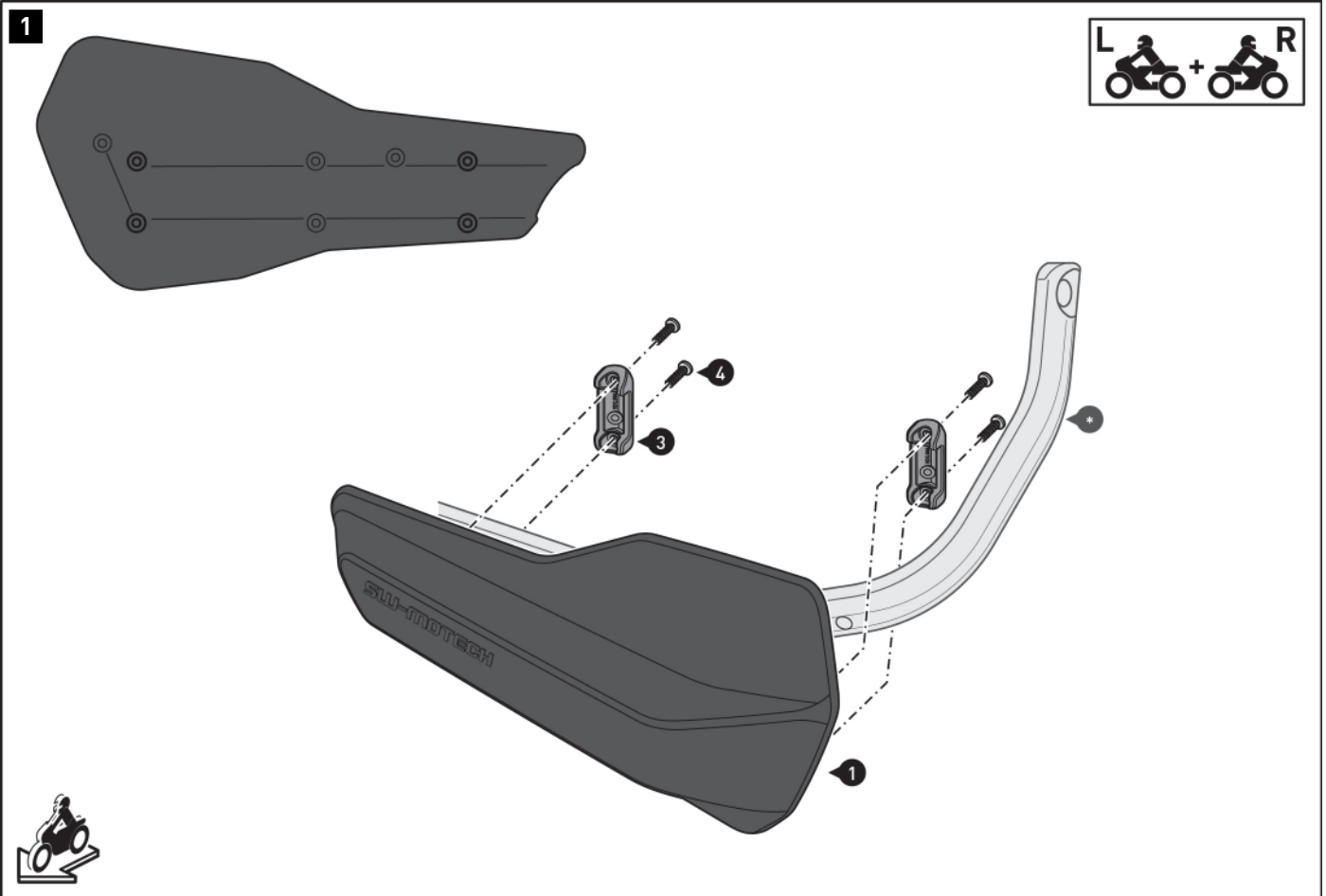
 4/4

4



M3,5 x 12  
SC.ST.035.012.02

 8/8

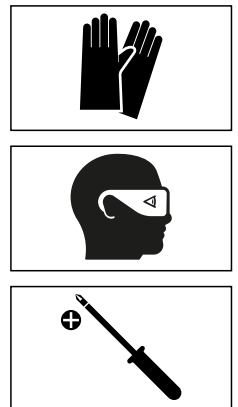
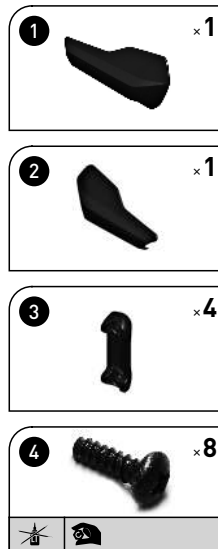


**⚠ WARNING:** Always wear eye and hand protection!  
**⚠ WARNING:** Always use the proper tools!

**⚠ NOTE:** Installation is shown on the left side. Repeat the installation with the corresponding parts on the right side of the handlebar.

Screw the sports hand-guard shells (1/2) onto the brackets (\*).  
 Carefully tighten the screws (4) hand-tight (max. 1 Nm).

**⚠ WARNING:** Tightening too tightly can damage the plastic parts!



**PRODUCT-SPECIFIC NOTES**

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