

ANBAUANLEITUNG

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

ADV.13.849.76002

beinhaltet • contains • contient • contiene • contiene

SBL.13.849.10000/B

MSS.13.849.10001/B

HDG.00.220.84702/B

HDG.00.220.10000/B

Art.-Nr. / Item No.: **SBL.13.849.10000/B**Revision: **00** · Datum / Date: **05 - 2022****Sturzbügel****Crash bar**

DEUTSCH · Vielen Dank, dass Sie sich für dieses Premium-Produkt von SW-MOTECH entschieden haben. Bitte lesen und verstehen Sie alle Anweisungen, Sicherheitshinweise und Warnungen in dieser Anbauanleitung vor Montage und Nutzung des Produkts, um Verletzungen zu vermeiden. Dieses Produkt wurde für Fahrzeuge im Werkzustand entwickelt. Die Kompatibilität mit Original-Zubehörteilen bzw. den Zubehörteilen anderer Hersteller kann nicht gewährleistet werden. Besuchen Sie unseren Webshop für weitere Informationen wie Modellzuweisungen und PDF-Anbauanleitung. Erforderliche Dokumente (z. B. ABE) stehen als Download zur Verfügung. Bewahren Sie diese Anbauanleitung als Referenz auf.

SW-MOTECH übernimmt keine Haftung für Schäden, die durch eine unsachgemäße Montage und/oder Wartung verursacht wurden!

SICHERHEITSWARNUNGSSYMBOL

⚠ Dieses Warnsymbol wird in dieser Anbauanleitung verwendet, um vor tödlichen Gefahren, Verletzungen oder anderen Gefahren zu warnen. Die Wörter **GEFAHR**, **WARNUNG** oder **VORSICHT** werden mit diesem Warnsymbol verwendet, um wichtige Sicherheitshinweise und Informationen in Bezug auf die Montage und Nutzung dieses Produkts zu übermitteln. Diese Wörter zusammen mit dem Sicherheitswarnsymbol bedeuten:

⚠ **GEFAHR**: Weist auf eine gefährliche Situation hin, die zum Tod oder zu schweren Verletzungen führt, wenn sie nicht vermieden wird!

⚠ **WARNUNG**: Weist auf eine gefährliche Situation hin, die zum Tod oder zu schweren Verletzungen führen kann, wenn sie nicht vermieden wird!

⚠ **VORSICHT**: Weist auf eine gefährliche Situation hin, die zu leichten oder mittelschweren Verletzungen führen kann, wenn sie nicht vermieden wird!

⚠ **HINWEIS**: Wichtige Informationen, jedoch nicht in Bezug auf Todes- oder Verletzungsgefahr (nur Sachschäden)!

⚠ **WARNUNG**: Die Montage und/oder Wartung dieses Produkts erfordert fortgeschrittene technische Fähigkeiten, passende Werkzeuge und ein gutes Verständnis der Werkzeugnutzung und Drehmomentangaben. Zu Ihrer Sicherheit empfiehlt SW-MOTECH, die Montage und/oder Wartung von einem qualifizierten und zertifizierten Zweiradmechaniker durchführen zu lassen.

⚠ **WARNUNG**: Wenn Sie sich für die Eigenmontage dieses Produkts entscheiden, lesen Sie vor Montage und Nutzung die Anbauanleitung sorgfältig und vollständig durch und befolgen Sie alle Anweisungen, um schwere oder tödliche Verletzungen zu vermeiden. Beachten Sie bei der Montage und Verwendung auch alle relevanten Informationen im Fahrzeughandbuch. **WENN SIE EINEN TEIL DIESER ANBAUANLEITUNG NICHT VERSTEHEN ODER EINE ERKLÄRUNG EINER ANWEISUNG BENÖTIGEN, VERSUCHEN SIE NICHT, DIESES PRODUKT ZU MONTIEREN OHNE SW-MOTECH UM HILFE ZU FRAGEN.**

VORBEREITUNG: Lesen Sie die Anbauanleitung aufmerksam und stellen Sie sicher, dass alle Teile der Stückliste vorhanden sind.

⚠ **VORSICHT**: Achten Sie auf den sicheren Stand Ihres Fahrzeugs. Schalten Sie den Motor ab und ziehen Sie den Zündschlüssel. Den Motor/Auspuff bei Bedarf abkühlen lassen. Klemmen Sie die Batterie bei Arbeiten an der Elektrik ab. Verwenden Sie geeignetes Werkzeug und tragen Sie immer eine Schutzbrille und Handschuhe. Lassen Sie sich von einer zweiten Person helfen.

MONTAGE: Alle vom Fahrzeug entfernten Teile und Verbindungen müssen gemäß den Angaben des Fahrzeugherstellers wieder eingebaut oder durch von SW-MOTECH gelieferte Teile und Hardware ersetzt werden.

⚠ **WARNUNG**: Sichern Sie alle Gewinde, sofern nicht anders angegeben, mit mittelstarker, flüssiger Schraubensicherung. Von SW-MOTECH nicht definierte Drehmomentspezifikationen müssen vom Fahrzeughersteller oder von einer zertifizierten Motorradwerkstatt bezogen werden!

FUNKTIONSKONTROLLE: Stellen Sie nach der Montage sicher, dass keine beweglichen Teile blockiert und die Funktion des Fahrzeugs nicht gestört wird. Kabel und Schläuche dürfen nicht scheuern und/oder geklemmt werden.

⚠ **WARNUNG**: Führen Sie vor Fahrtbeginn eine umfassende Funktionskontrolle durch. Prüfen Sie nach den ersten 50 km und dann regelmäßig das Anzugsmoment aller Verbindungen und den festen Sitz des Produkts. Montiertes Zubehör kann Fahrverhalten/Stabilität des Fahrzeugs verändern.

ENGLISH · Thank you for choosing this premium product from SW-MOTECH. Please carefully read and understand all instructions, safety messages and warnings in this mounting instructions prior to installation and use of this product to avoid injury.

This product was developed for vehicles in their factory setting. Compatibility with original accessory parts or other manufacturers' accessory parts is not guaranteed. Visit our webshop for additional information, such as application charts and PDF mounting instructions. Any other documents that may be required (e.g. ABE certifications), are also available for download at our webshop. Keep these mounting instructions as reference.

SW-MOTECH assumes no liability for damage caused by improper installation and/or maintenance work!

SAFETY ALERT SYMBOL

⚠ This safety alert symbol is used throughout these mounting instructions to warn of the possibility of death, bodily injury or other warnings. The words **DANGER**, **WARNING** and **CAUTION** are used with this safety alert symbol to convey important safety messages and information related to the installation and use of this product. These words along with the safety alert symbol mean:

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

⚠ **WARNING**: Indicates a hazardous situation that, if not avoided, could result in death or serious injury!

⚠ **CAUTION**: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury!

⚠ **NOTICE**: Important information, but not death or injury related (property damage only)!

⚠ **WARNING**: The installation and/or maintenance of this product requires advanced mechanical skills, the proper tools, and a thorough understanding of tool use and torque specifications.

For your own safety, SW-MOTECH recommends having installation and/or maintenance carried out by a qualified and certified motorcycle mechanic.

⚠ **WARNING**: Should you choose to self-install this product, carefully and completely read all installation and safety instructions before installation and use, and follow all the directions and safety precautions given in the mounting instructions to avoid serious injury or death. Also pay attention to all relevant information in the vehicle manual during installation and use. **IF YOU DO NOT UNDERSTAND ANY PART OF THESE INSTRUCTIONS, OR NEED CLARIFICATION OF ANY INSTRUCTION, DO NOT ATTEMPT TO MOUNT THIS PRODUCT WITHOUT CONTACTING SW-MOTECH FOR ASSISTANCE.**

PREPARATION: Read the mounting instructions carefully and make sure that all items of the parts list are included.

⚠ **CAUTION**: Make sure that your vehicle is parked safely and cannot fall over. Turn off the engine and remove the ignition key. Let the engine/exhaust cool off if necessary. Disconnect the vehicle battery when working on the electrical system. Use appropriate tools and wear always safety glasses and hand protection. Have another person help you.

MOUNTING: All parts and connections removed from the vehicle must be reinstalled in accordance with the vehicle manufacturer specifications or replaced by parts and hardware delivered by SW-MOTECH.

⚠ **WARNING**: Secure all threads, unless otherwise specified, with medium-strong strength liquid thread locker. Torque specifications undefined by SW-MOTECH must be obtained from the vehicle manufacturer or by a certified motorcycle workshop!

FUNCTION CHECK: After installation also make sure that no moving parts are obstructed, and function of the vehicle is not hindered in any way. Cables and hoses must not rub and/or be pinched.

⚠ **WARNING**: Before starting to ride, perform a comprehensive check of all functions. After the first 50 km and then at regular intervals, check the tightening torque of all connections and the proper fit of the product. Installed accessories can change driving behavior/stability of the vehicle.

Konfektionierung durch / Packed by:

Datum der Konfektionierung / Date of packaging:

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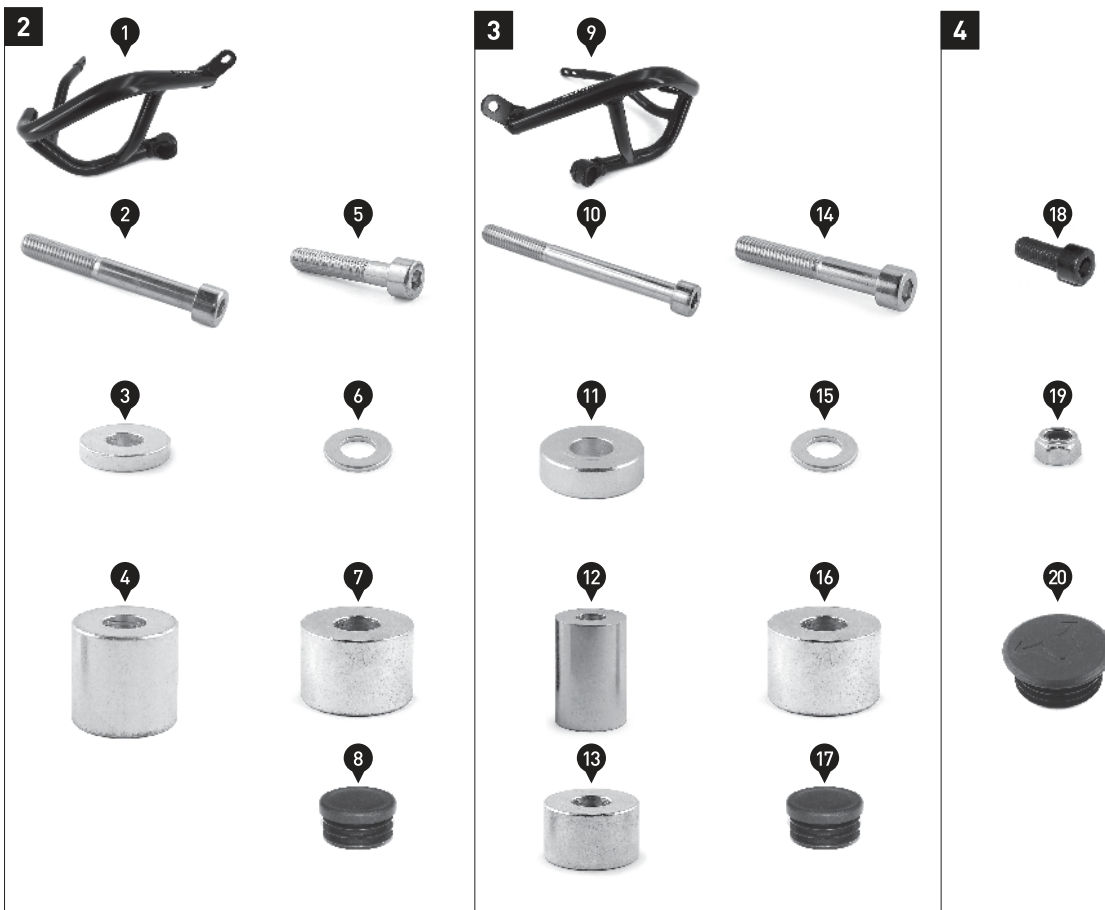
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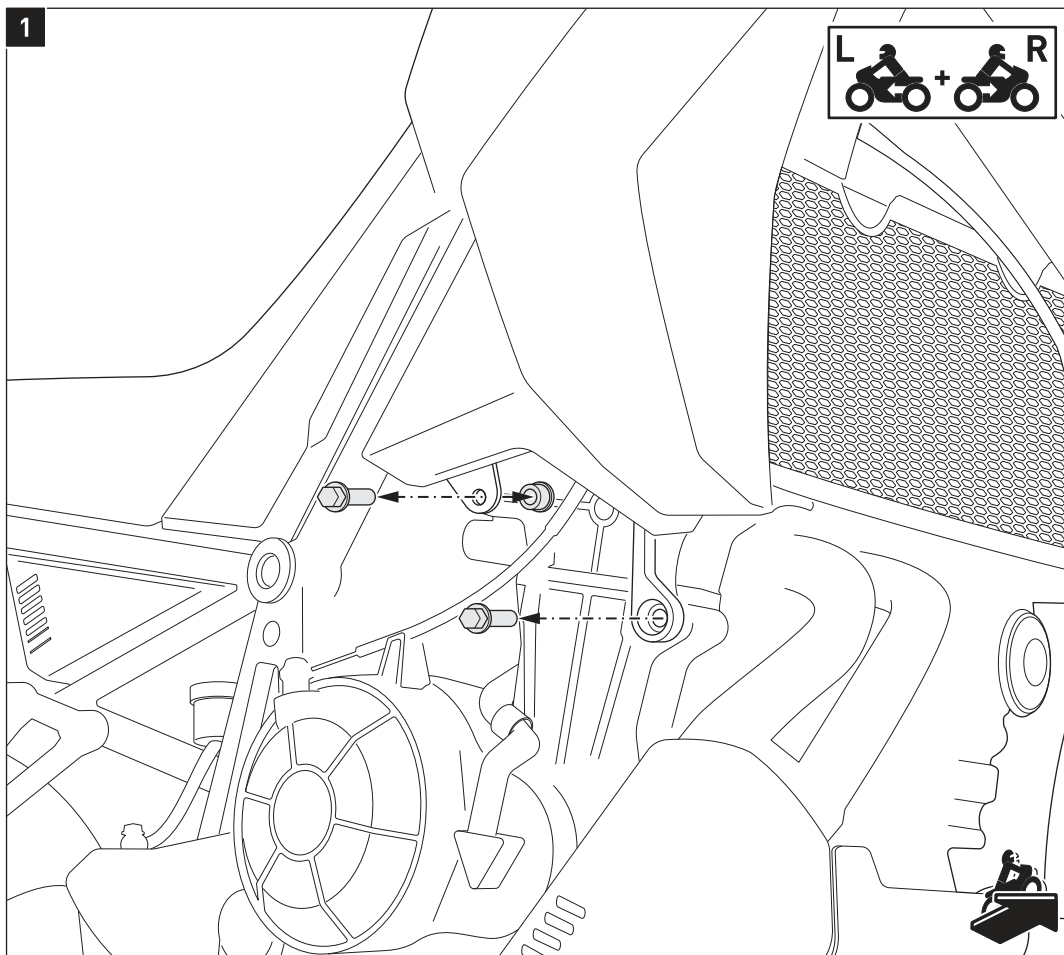
STÜCKLISTE • ANBAUANLEITUNG LESEN UND AUFBEWAHREN / PARTS LIST • READ AND SAVE THESE MOUNTING INSTRUCTIONS

Schritt Step	Nr. No.	Art.-Nr. / Bezeichnung ^a Item No. / Description ^a	Artikel	Part	Anzahl ^b Quantity ^b	N·m ^c											
2	(1)	SBL.13.849.902.01	Sturzbügel; rechts	Crash Bar; right	1 / 1												
	(2)	M10 x 80; DIN 912	Innensechskantschraube	Hexagon Socket Screw	1 / 1	40											
	(3)	Ø 25 / ø 10,5 / h 4	Distanzbuchse, Höhe 4 mm	Spacer, height 4 mm	1 / 1												
	(4)	Ø 20 / ø 10,5 / h 25	Distanzbuchse, Höhe 25 mm	Spacer, height 25 mm	1 / 1												
	(5)	M10 x 50; DIN 912	Innensechskantschraube	Hexagon Socket Screw	1 / 1	40											
	(6)	ø 10,5; DIN 125	Unterlegscheibe; schwarz	Washer; black	1 / 2												
	(7)	Ø 25 / ø 10,5 / h 17	Distanzbuchse, Höhe 17 mm	Spacer, height 17 mm	1 / 2												
	(8)	KES.RD.260.0270.02.GL	Kunststoffstopfen	Plastic Plug	1 / 2												
3	(9)	SBL.13.849.901.01	Sturzbügel; links	Crash Bar; left	1 / 1												
	(10)	M10 x 110; DIN 912	Innensechskantschraube	Hexagon Socket Screw	1 / 1	40											
	(11)	Ø 25 / ø 10,5 / h 8	Distanzbuchse, Höhe 8 mm	Spacer, height 8 mm	1 / 1												
	(12)	Ø 25 / ø 10,5 / h 36	Distanzbuchse, Höhe 36 mm	Spacer, height 36 mm	1 / 1												
	(13)	Ø 20 / ø 10,5 / h 15	Distanzbuchse, Höhe 15 mm	Spacer, height 15 mm	1 / 1												
	(14)	M10 x 65; DIN 912	Innensechskantschraube	Hexagon Socket Screw	1 / 1	40											
	(15)	ø 10,5; DIN 125	Unterlegscheibe; schwarz	Washer; black	1 / 2												
	(16)	Ø 25 / ø 10,5 / h 17	Distanzbuchse, Höhe 17 mm	Spacer, height 17 mm	1 / 2												
	(17)	KES.RD.260.0270.02.GL	Kunststoffstopfen	Plastic Plug	1 / 2												
4	(18)	M6 x16; DIN 912	Innensechskantschraube; schwarz	Hexagon Socket Screw; black	2 / 2	9,6											
	(19)	M6; DIN 985	Mutter, selbstsichernd	Lock Nut	2 / 2												
	(20)	SBL.00.051.005/B	Rahmenkappe	Frame Cap	2 / 2												
8.8	Regelgewinde / Coarse Thread Ø		M4	M5	M6	M8	M10	M12	10.9	Regelgewinde / Coarse Thread Ø		M4	M5	M6	M8	M10	M12
	Stahl FK 8.8 / Steel CL 8.8		N·m	2,8	5,5	9,6	23	46		79	Stahl FK 10.9 / Steel CL 10.9		N·m	4,1	8,1	14	34

Anmerkungen: ^a Alle Maßangaben in Millimeter. ^b Der zweite Wert gibt die Gesamtanzahl des jew. Artikels in der Lieferung an. ^c Keine Anzugsmomentvorgabe: Verwenden Sie das vom Fzg.-Hersteller definierte Anzugsmoment! Das Std.-Anzugsmoment der Tabelle kann verwendet werden, wenn es den Fzg.-Hersteller-Vorgaben entspricht.

Note: ^a All measurements in millimeters. ^b The second number indicates the total quantity of the part in the delivery. ^c No torque specifications: Use the torque defined by vehicle manufacturer! The standard torque in this table can be used as long as it is within the vehicle manufacturer's specifications.





⚠ WARNING: Tragen Sie immer Augen- und Handschutz!

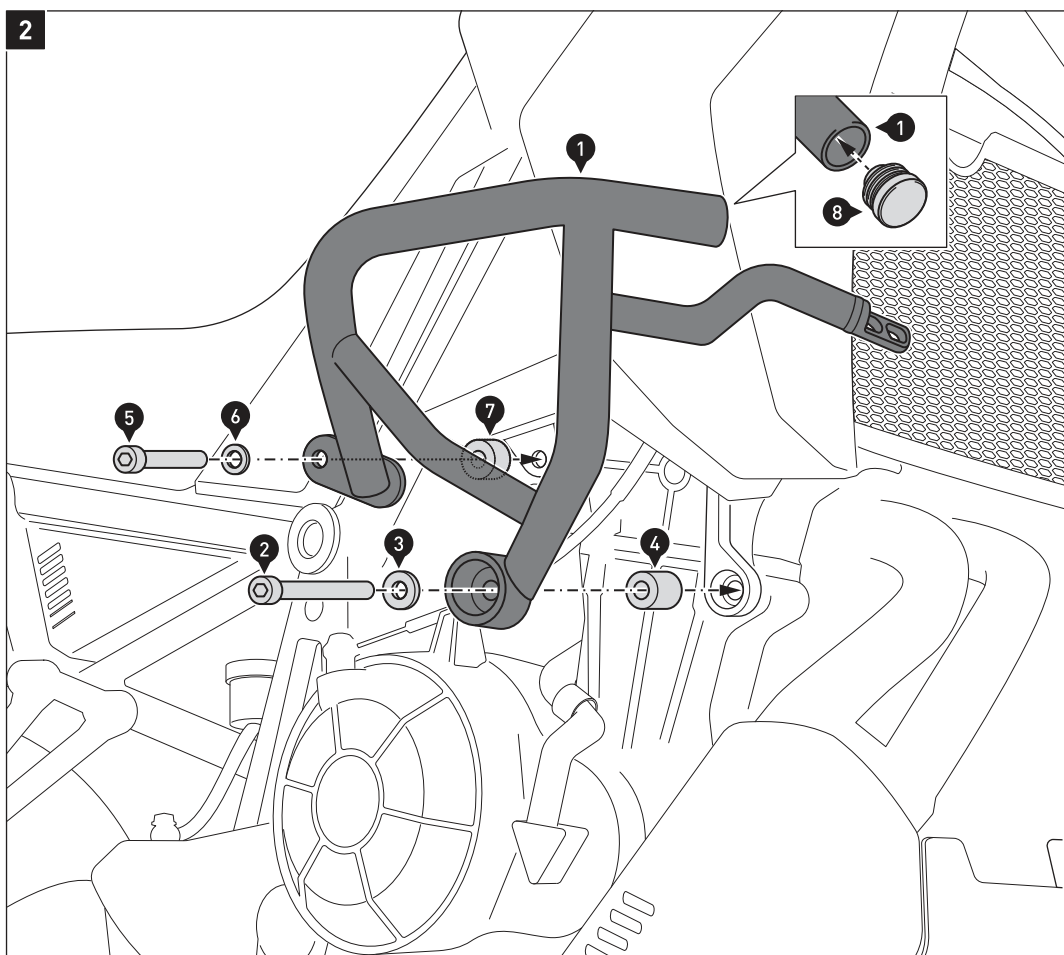
⚠ WARNING: Verwenden Sie immer geeignetes Werkzeug!

Entfernen Sie auf der **rechten** Seite die gezeigten Schrauben.

⚠ WARNING: Always wear eye and hand protection!

⚠ WARNING: Always use appropriate tools!

Remove the shown screws on the **right** side of the vehicle.



Setzen Sie den Kunststoffstopfen [8] in die Öffnung des Sturzbügel [1] ein.

Verschrauben Sie den Sturzbügel [1] auf der **rechten** Seite am Fahrzeug.

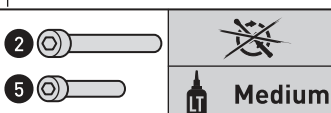
⚠ WARNING: Verwenden Sie flüssige Schraubensicherung! Ziehen Sie die Schrauben noch nicht an.

Insert the plastic plug [8] into the opening of the crash bar [1].

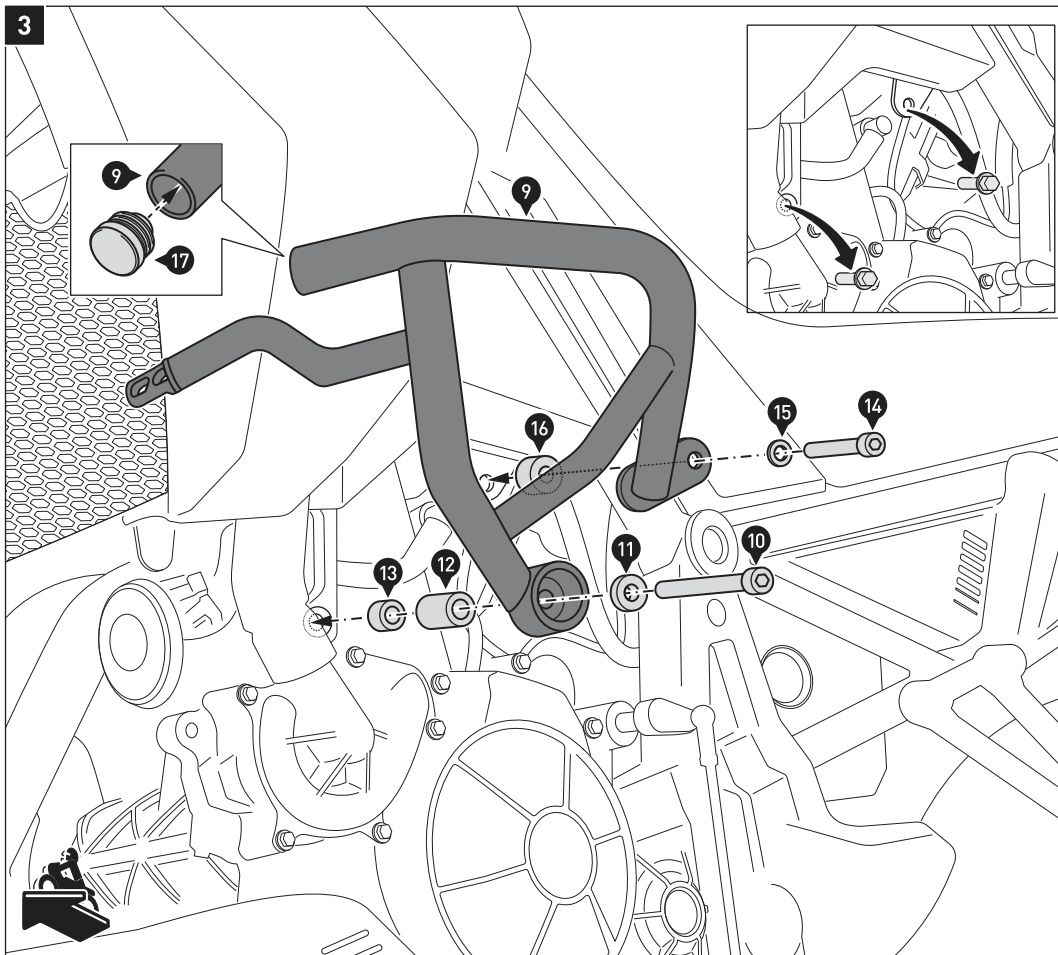
Attach the crash bar [1] on the **right** side to the vehicle.

⚠ WARNING: Use liquid thread locker!

Do not fully tighten the screws yet.



3



Entfernen Sie auf der **linken** Seite die gezeigten Schrauben.

Setzen Sie den Kunststoffstopfen (17) in die Öffnung des Sturzbüges (9) ein.

Verschrauben Sie den Sturzbügel (9) auf der **linken** Seite am Fahrzeug.

⚠ WARNING: Verwenden Sie flüssige Schraubensicherung!
Ziehen Sie die Schrauben noch nicht an.

Remove the shown screws on the **left** side of the vehicle.

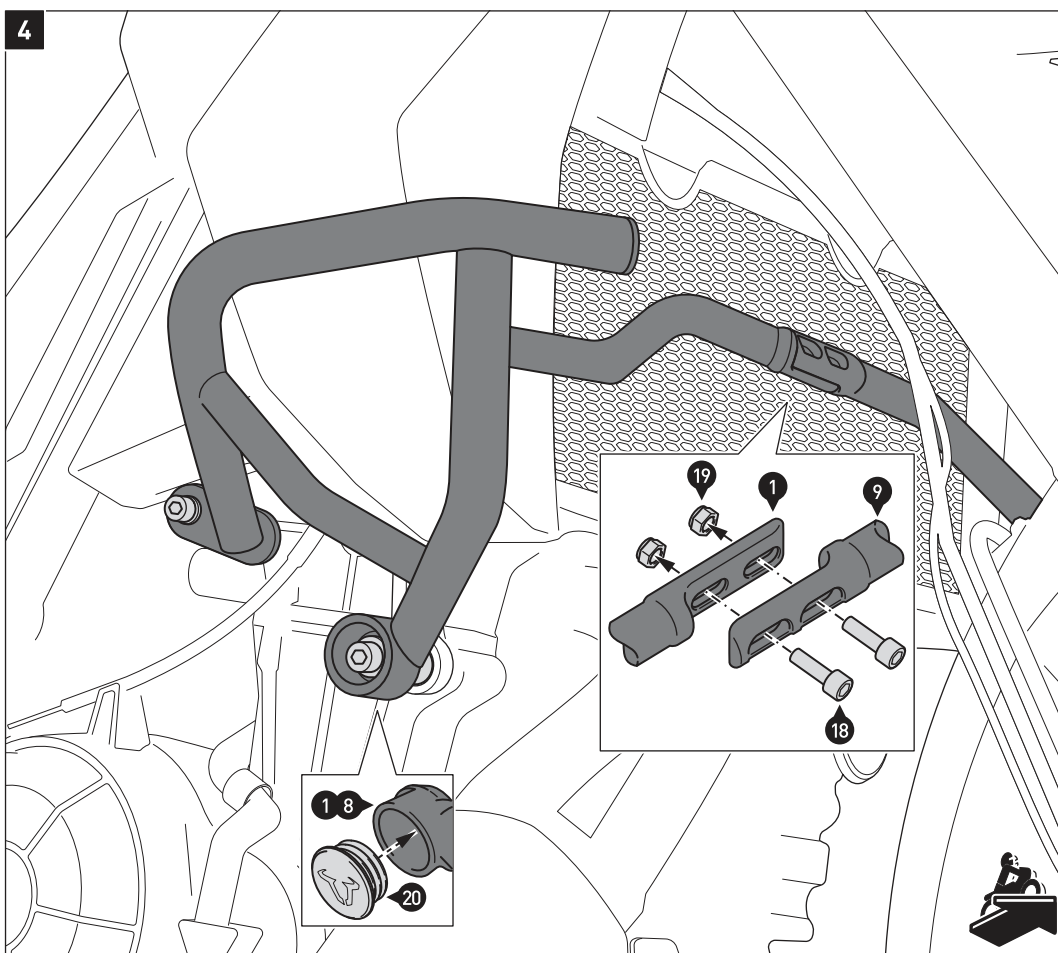
Insert the plastic plug (17) into the opening of the crash bar (9).

Attach the crash bar (9) on the **left** side to the vehicle.

⚠ WARNING: Use liquid thread locker!
Do not fully tighten the screws yet.

10		
14		
		Medium

4



Verschrauben Sie die Sturzbügel (1) und (9) an den oberen Verbindungsstücken miteinander, wie in der Detailzeichnung gezeigt.

Wenn alle Komponenten spannungsfrei sitzen, ziehen Sie die Schrauben wie vorgegeben an!

Setzen Sie abschließend die Rahmenkappen (20) beidseitig in die Vertiefungen der Sturzbügel ein.

Attach the crash bars (1) and (9) at the upper connectors, as shown in the detail drawing.

Once all parts are evenly positioned without excess tension, tighten the screws as specified!

Finally, insert the frame caps (20) on both sides of the vehicle into the recesses of the crash bars.

2			40 N·m
5			
10			40 N·m
14			
18			9,6 N·m

PRODUKTSPEZIFISCHE HINWEISE

⚠ WARNING: Die Kurven- und Bodenfreiheit kann bei extremer Schräglage durch dieses Produkt eingeschränkt werden!

⚠ HINWEIS: Beachten Sie die landesspezifischen Vorschriften für Zulassung/Betrieb Ihres Fahrzeugs bzw. anwendbare TÜV-Vorschriften. Lassen Sie eintragungspflichtige Teile nach Montage durch Ihre Prüfstelle in die Fahrzeugpapiere eintragen.


PRODUCT SPECIFIC INFORMATION

⚠ WARNING: While cornering at extrem lean angles, ground clearance can be reduced by using this product!

⚠ NOTICE: Observe the country-specific regulations concerning vehicle registration/operation as well as TÜV regulations if applicable. If required, register installed parts in the vehicle documents through an appropriate inspection authority.

Item number: **MSS.13.849.10001/B**Revision: **00** • Date: **01 - 2024**

Engine guard

 ~ 0.75 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.



If you have any questions, please don't hesitate to contact our Customer Service team or our distributors. You can find our telephone number and a list of our distributors in our online shop:

www.sw-motech.com



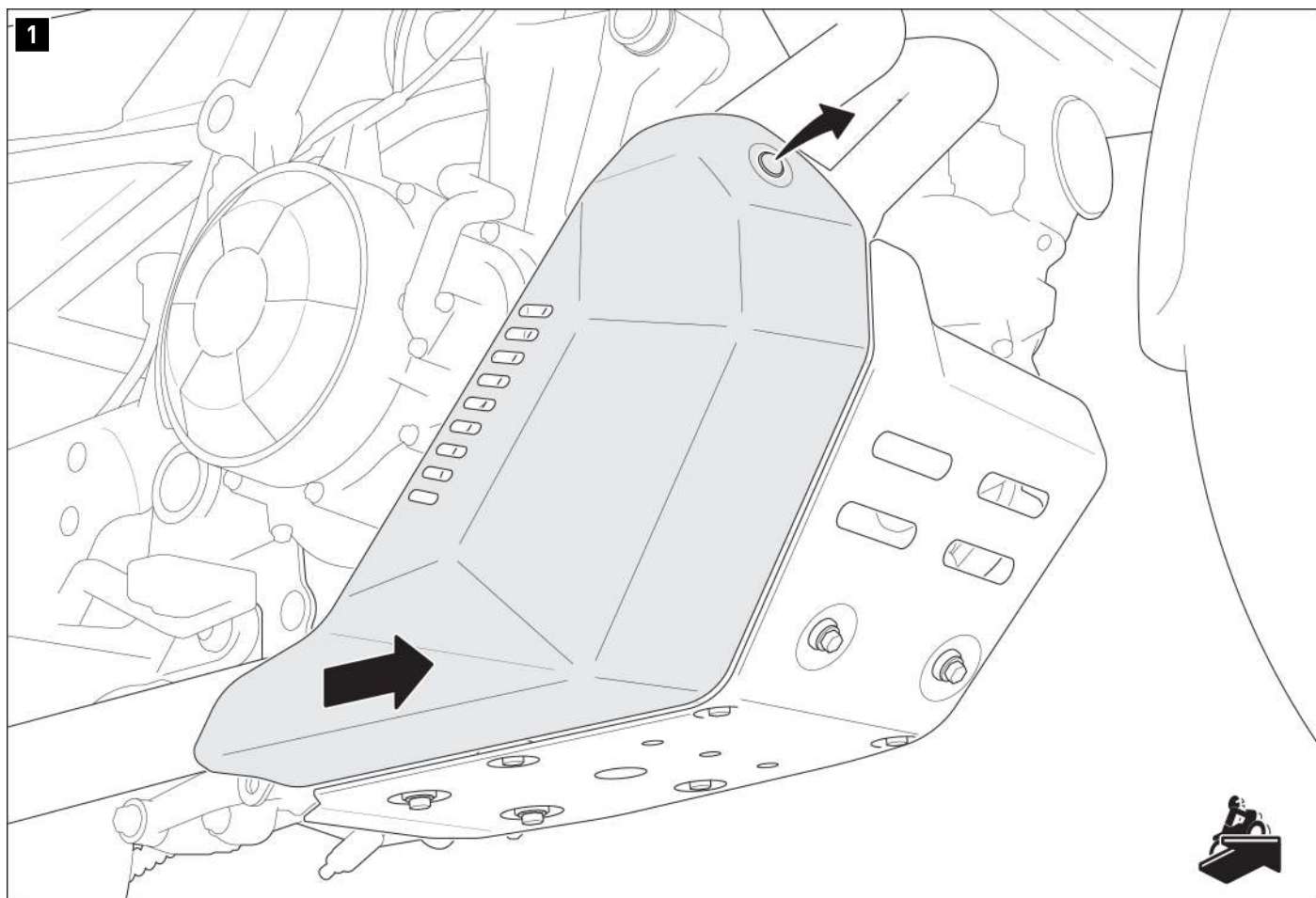
Use thread locker: Indicates that a thread must be coated with liquid thread locker. H (HIGH): high strength; M (MEDIUM): medium strength; L (LOW): low strength.



Tighten/note the tightening torque information:

Indicates the tightening torque of a part specified by SW-MOTECH or the vehicle manufacturer (OEM).

4	<div>1</div>  <div>MSS.13.849.900.01.02</div> <div> 1/1</div>	<div>2</div>  <div>MSS.13.849.006.00</div> <div> 1/1</div>				
6	<div>3</div>  <div>MSS.13.849.002.11</div> <div> 1/1</div>	<div>4</div>  <div>M10 x 60; DIN 912 SC.ST.10.060.01.912.088</div> <div> 1/1</div>	<div>5</div>  <div>ø 10,5; DIN 125 US.ST.105.02.125</div> <div> 1/1</div>	<div>6</div>  <div>Ø 20 / ø 10,5 / h 15 DB.00.200.105.015.01</div> <div> 1/1</div>	<div>7</div>  <div>Ø 20 / ø 10,5 / h 6 DB.00.200.105.006.01</div> <div> 1/1</div>	<div>8</div>  <div>MSS.13.849.003.11</div> <div> 1/1</div>
	<div>9</div>  <div>M8 x 30; DIN 912 SC.ST.08.030.01.912.088</div> <div> 1/1</div>	<div>10</div>  <div>ø 8,4; DIN 125 US.ST.084.02.125</div> <div> 1/1</div>	<div>11</div>  <div>MSS.13.849.005.11</div> <div> 1/1</div>	<div>12</div>  <div>M8 x 20; DIN 912 SC.ST.08.020.01.912.088</div> <div> 2/2</div>	<div>13</div>  <div>ø 8,4; DIN 125 US.ST.084.01.125</div> <div> 2/2</div>	<div>14</div>  <div>MSS.13.849.004.11</div> <div> 1/1</div>
7	<div>15</div>  <div>M8 x 20; DIN 7991 SC.ST.08.020.02.7991.088</div> <div> 2/2</div>	<div>16</div>  <div>ø 8,4 SE.00.084.02</div> <div> 2/2</div>	<div>17</div>  <div>M8 x 20; DIN 933 SC.ST.08.020.01.933.088</div> <div> 4/4</div>	<div>18</div>  <div>ø 8,4; DIN 9021 US.ST.084.02.9021</div> <div> 4/4</div>		

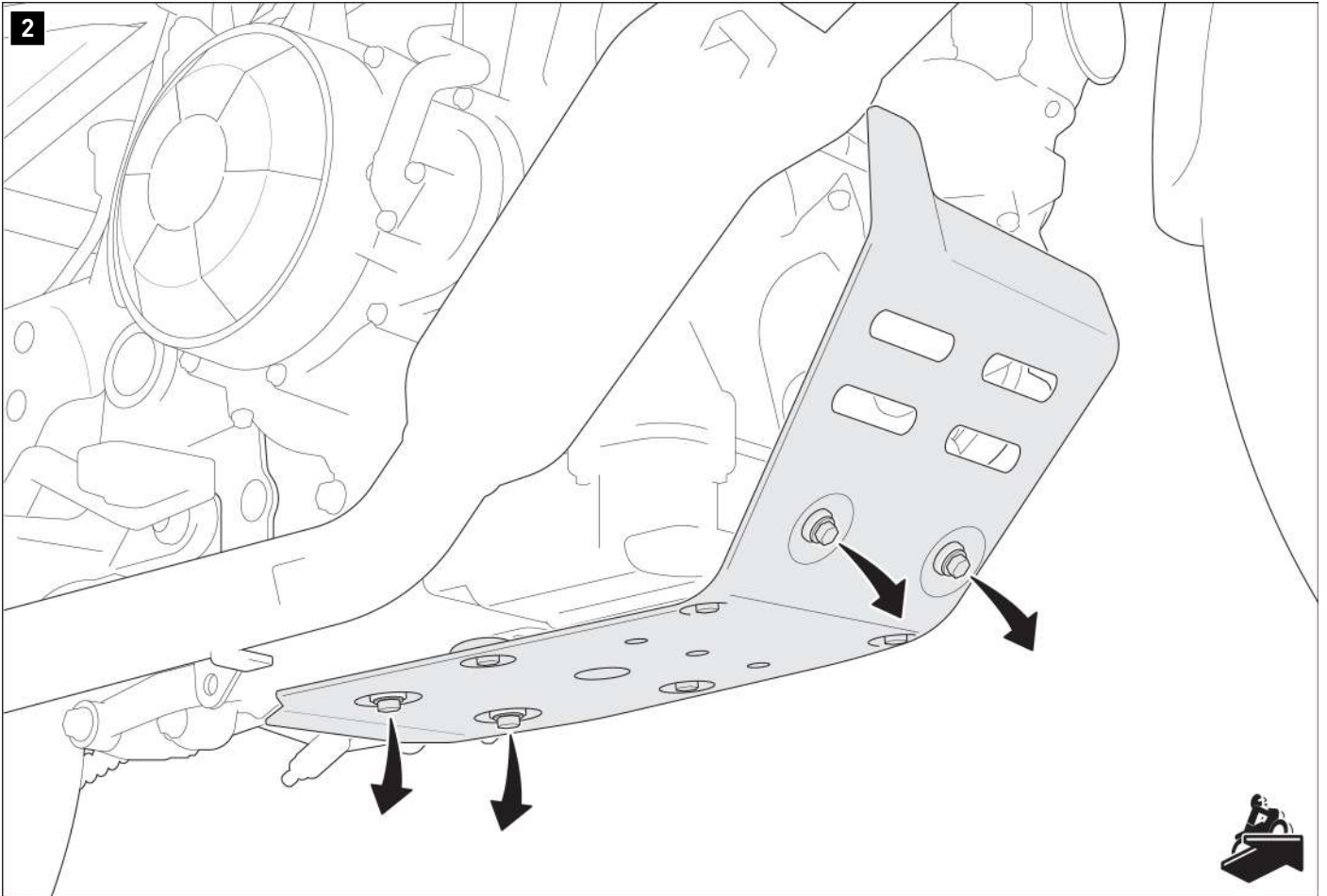


⚠ WARNING: Always wear eye and hand protection!

⚠ WARNING: Always use the proper tools!

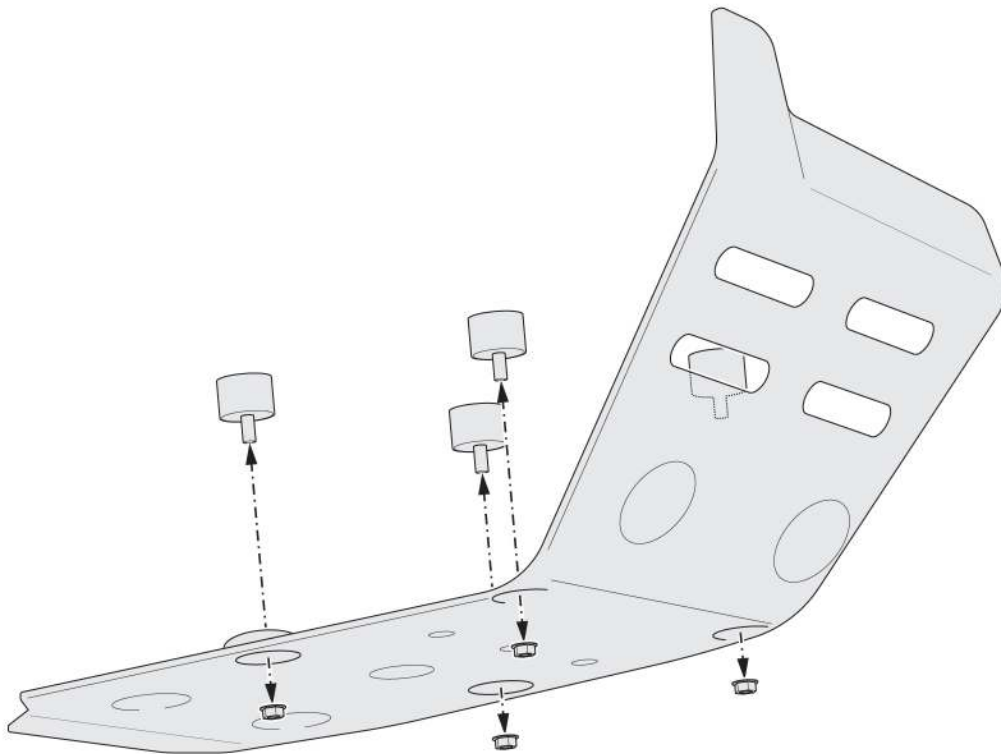
Loosen the screws shown; then pull the manifold cover out of the rear anchor.





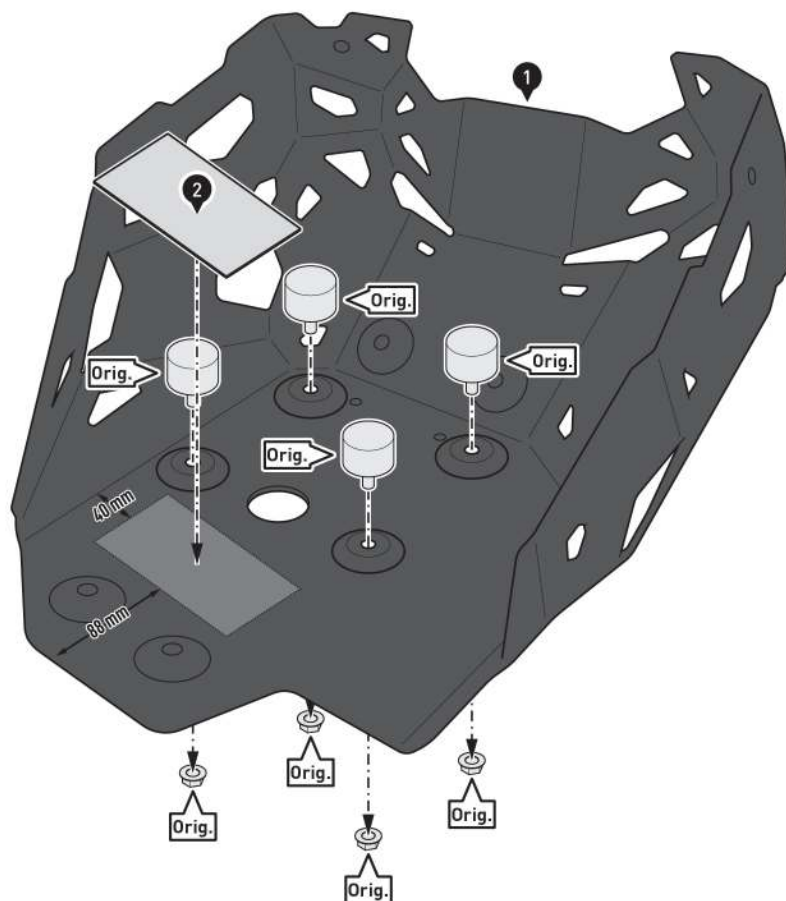
Loosen the four engine guard screws, and remove the engine guard from the vehicle.

3



Remove the four rubber dampers from the original engine guard.

4

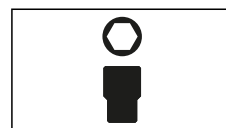
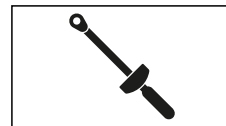
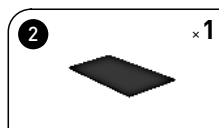


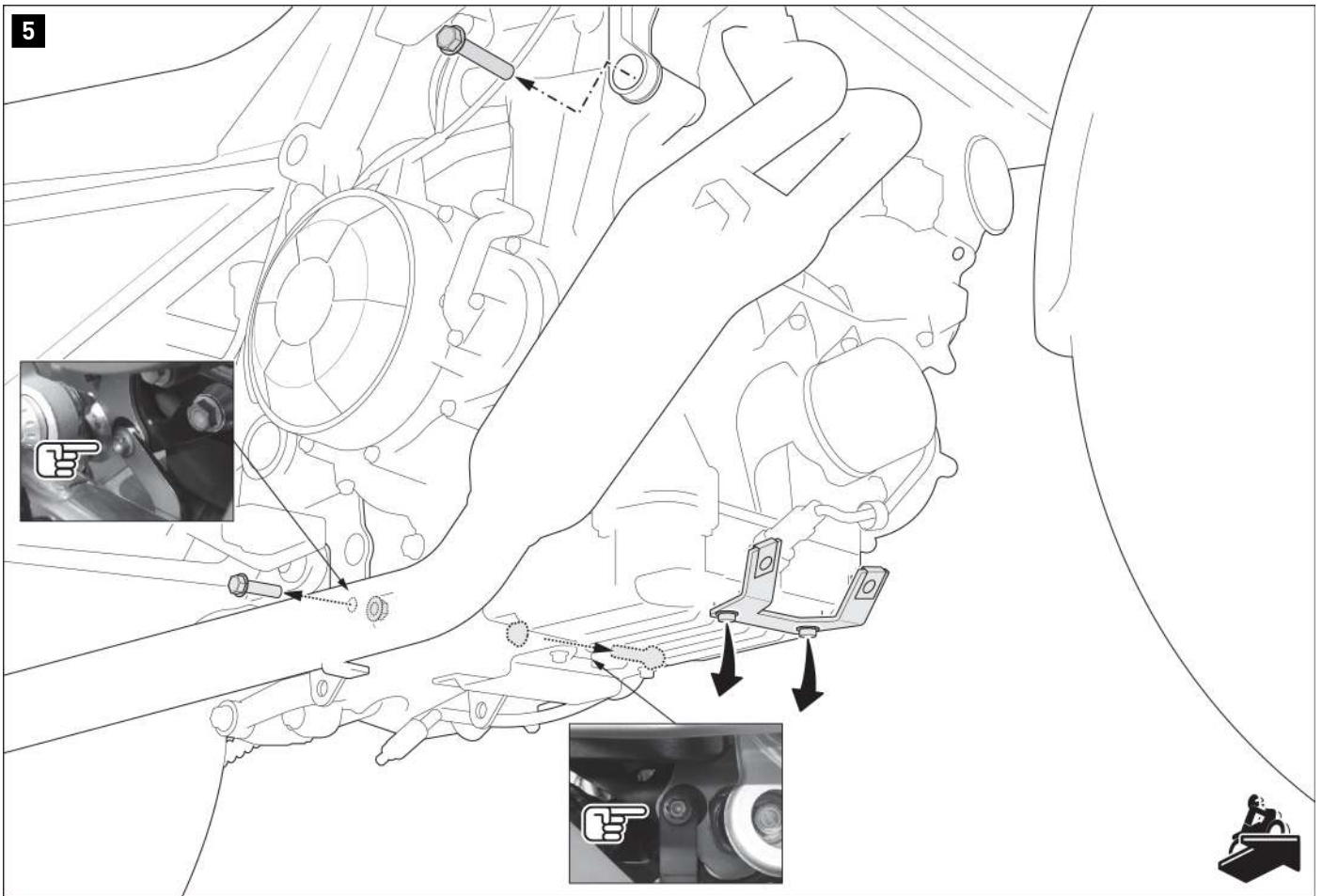
Thoroughly clean the marked surface of the engine guard (1) to remove grease and dirt residues.
Then glue the damper (2) in the location shown.

⚠ NOTE: Pay attention to the dimensions.

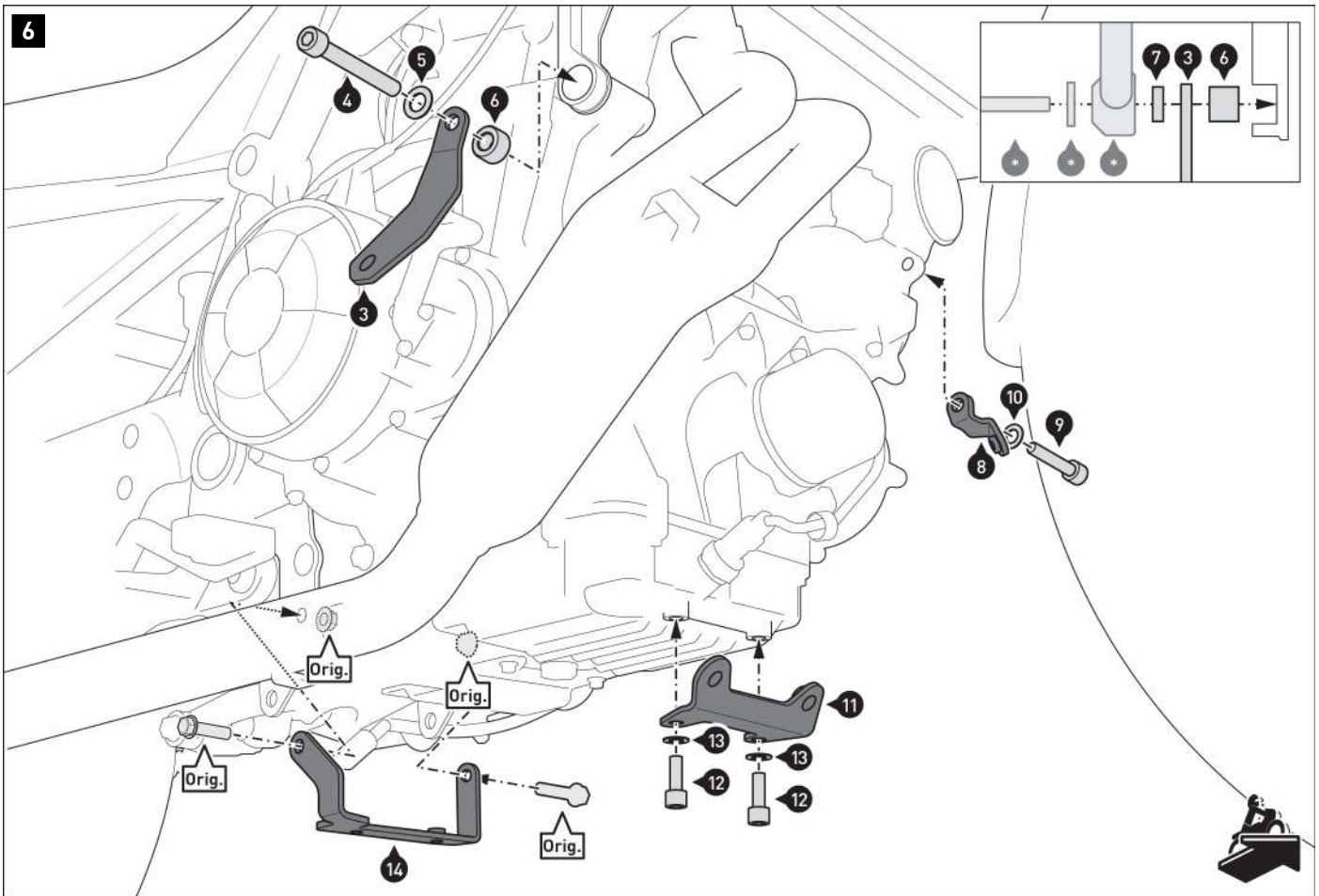
Screw the original rubber dampers (Orig.) to the engine guard (1) with the original nuts (Orig.).

Tighten the nuts according to the manufacturer's instructions.





Remove the screws, nuts, and attachment shown from the vehicle.

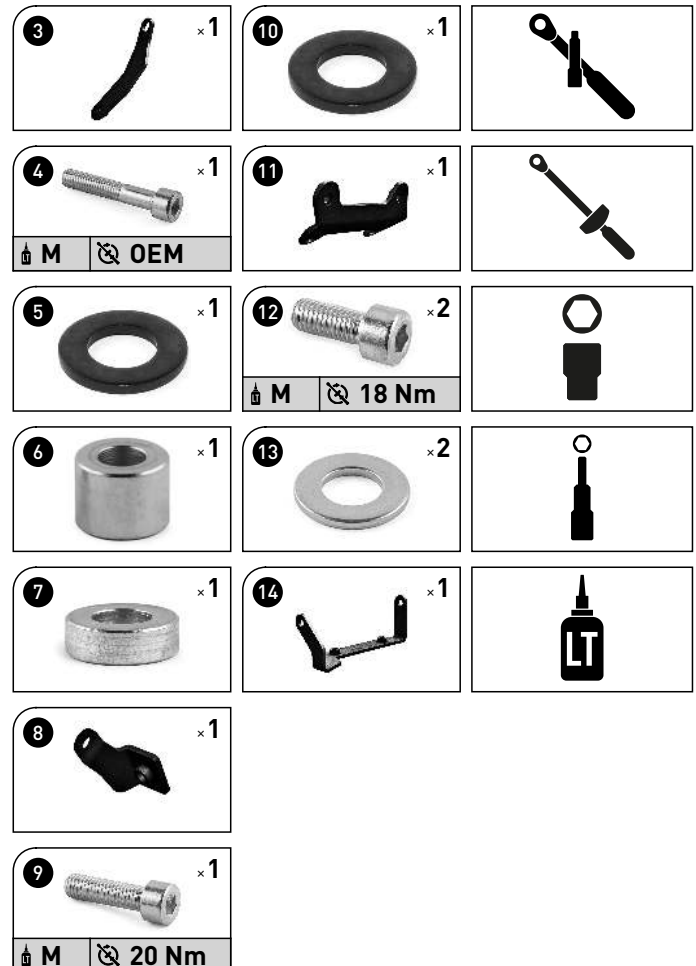


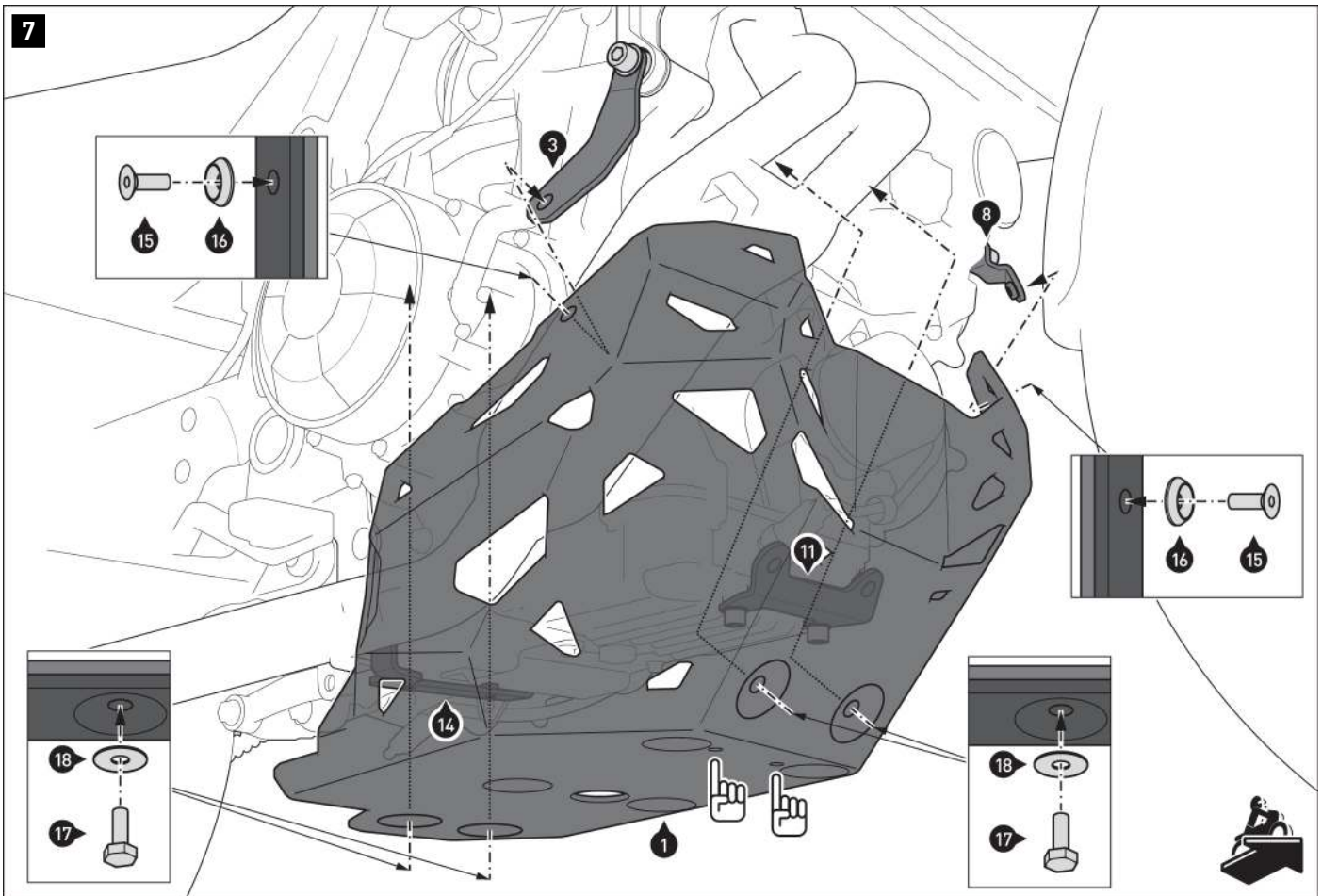
⚠ NOTE: The screws (4) and washers (5) are not required if installed at the same time as the SW-MOTEC crash bar. Instead, use the spacer (7) and the parts of the crash bar shown (*).

Screw the mounting brackets (3), (8), and (11) and the crossbar (14) to the vehicle.

Screw the crossbar (14) to the vehicle using the original parts (Orig.).

⚠ WARNING: Use a liquid threadlocker!
Tighten the screws (12) as specified in the mounting instructions. Do not tighten the remaining screws yet.



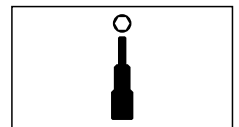
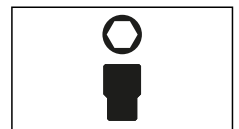
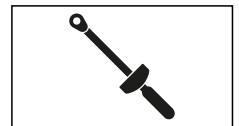
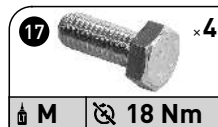


Screw the engine guard (1) to the mounting brackets (3), (8), and (11) and the crossbar (14).

⚠ WARNING: Use a liquid threadlocker!

Once all parts are seated without tension, tighten the screws (15), (17), (9), and (12) (screws (12) through the openings in the engine guard (1)) as specified in the mounting instructions.

Tighten the screw (4) and the original screws (Orig.) according to the manufacturer's instructions.



PRODUCT-SPECIFIC NOTES

⚠ WARNING: Ground clearance may be restricted by this product! Particular caution is required when cornering at extreme inclination and/or driving on uneven ground (e.g. curbs and bumps)!


⚠ WARNING: Motorcycle exhaust pipes often have large geometric tolerances. Make sure that there is sufficient distance between all parts in the affected areas!

⚠ NOTE: Please observe the country-specific regulations for the registration/operation of your vehicle or any applicable TÜV regulations. After installation, parts subject to registration should be entered in the vehicle documents by your test center.

Item number: HDG.00.220.84702/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.



If you have any questions, please don't hesitate to contact our Customer Service team or our distributors. You can find our telephone number and a list of our distributors in our online shop:
www.sw-motech.com



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).



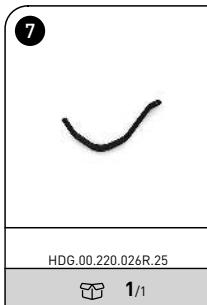
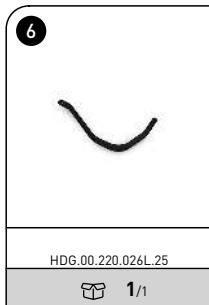
Do not use thread lock: Indicates that no liquid thread lock should be used at this point.

PARTS LIST • READ AND KEEP MOUNTING INSTRUCTIONS!

1

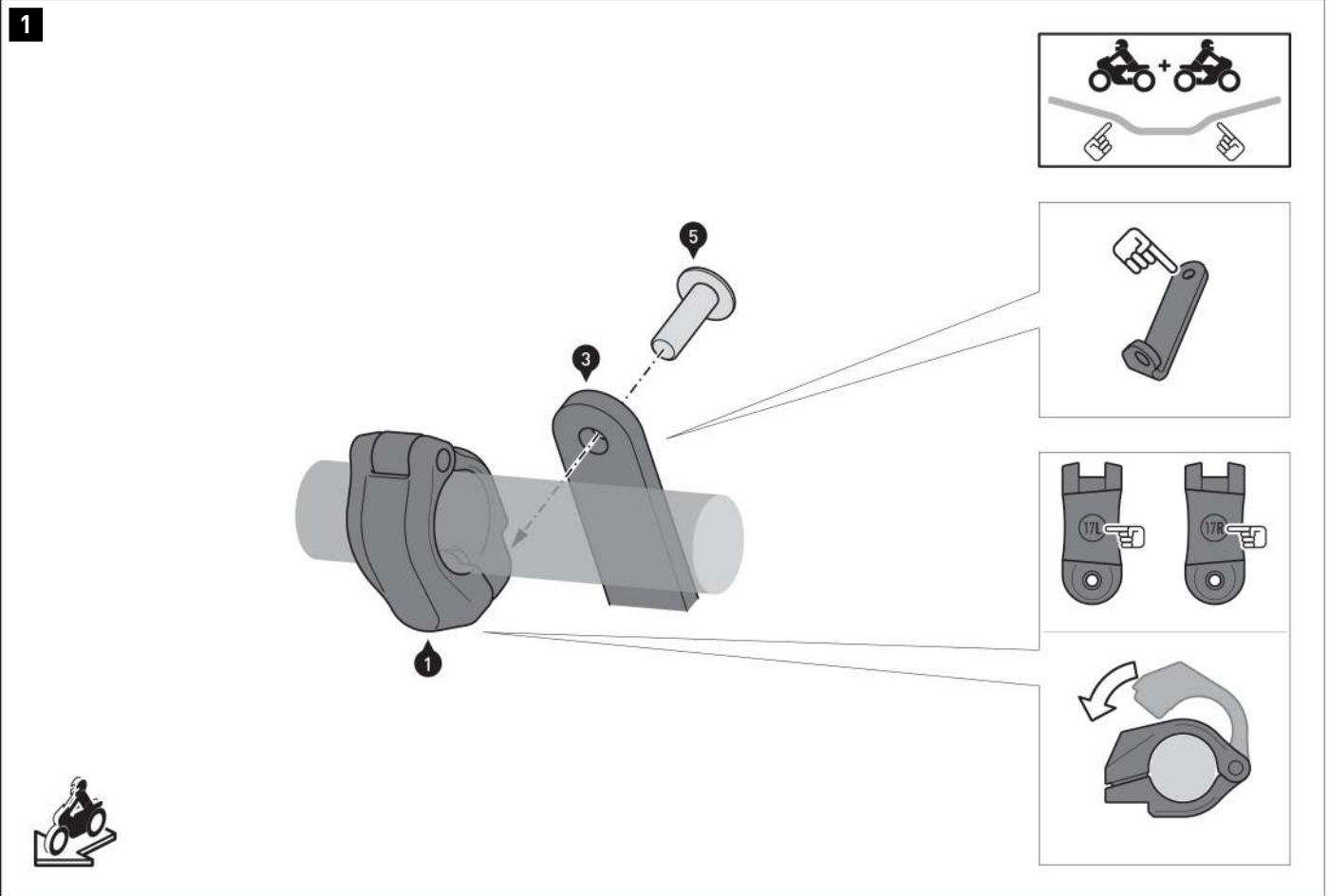


2



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 (3) shown in the drawing serves as an example. The correct representation and orientation of the connecting plate are shown in the detailed drawing on the right.

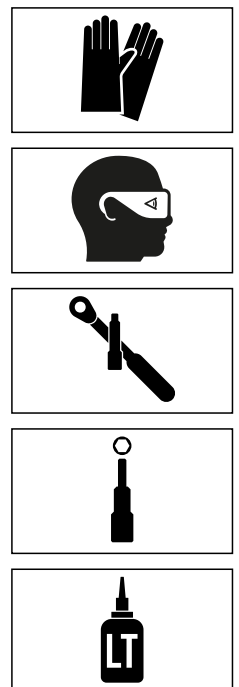
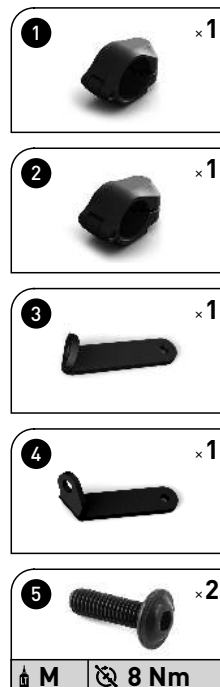
⚠ NOTE: Pay attention to the L/R markings on the clamps (1/2). Attach the clamp with the L marking on the left side of the handlebar in the direction of travel; attach the clamp with the R engraving to the right side of the handlebar in the direction of travel.

Place the clamps (1/2) around the handlebars at the locations shown in the detailed drawing above.

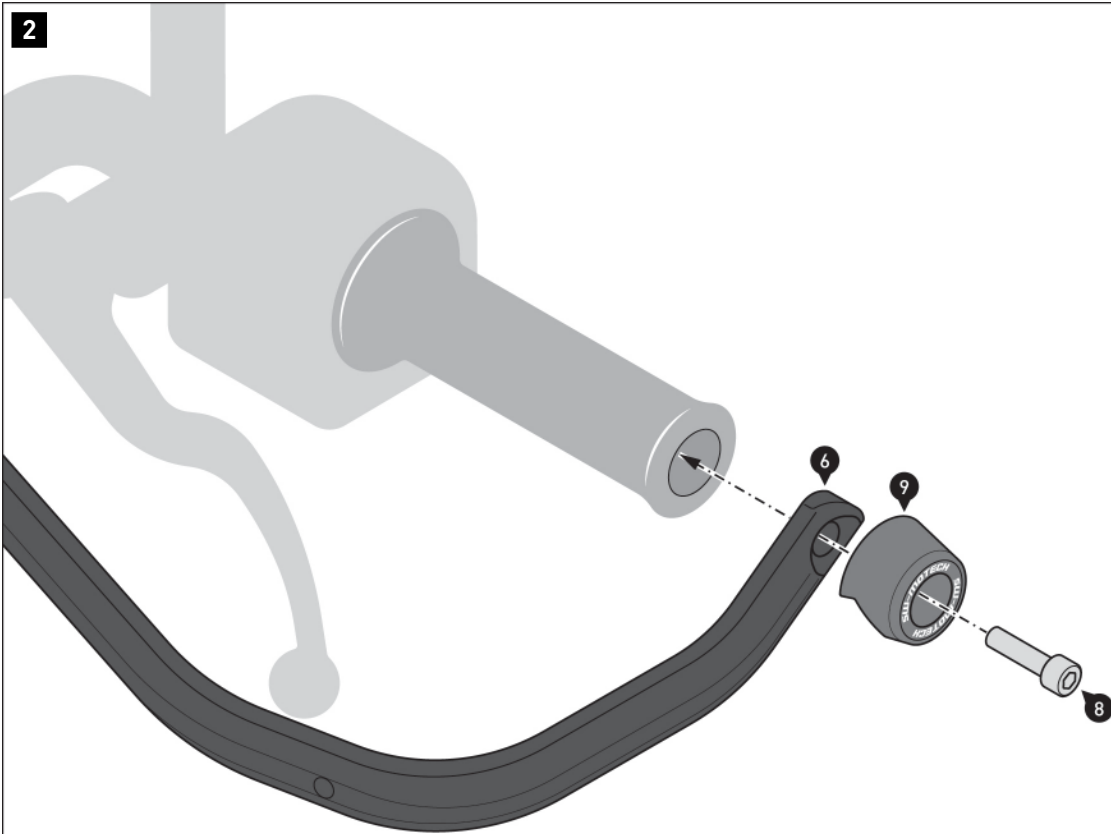
LOOSELY screw the connecting plates (3/4) to the clamps (1/2). The clamps (1/2) must be able to be moved for positioning.

⚠ WARNING: Use a liquid threadlocker!

Tighten the screws (5) hand-tight.



2

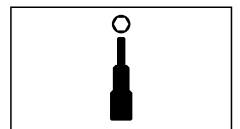


Remove the original end weights and handguards if mounted.
Make sure the handlebar ends and the inside of the handlebars are clear.

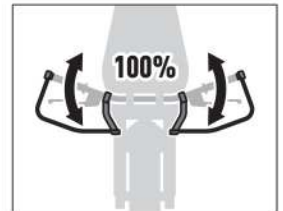
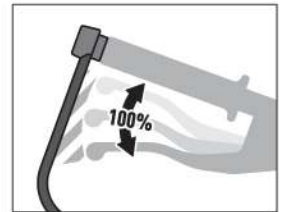
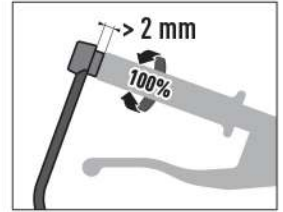
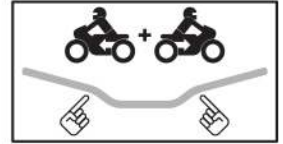
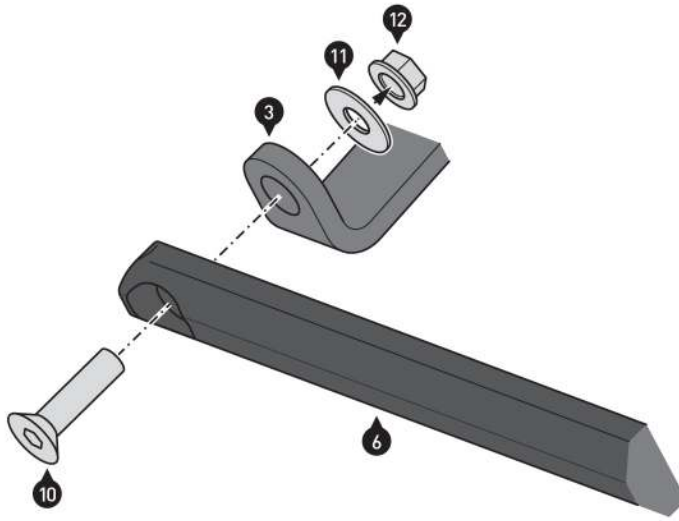
Loosely screw the parts indicated to the brackets (6/7) on the handlebar ends.

▲ WARNING: Use a liquid threadlocker!

To do so, tighten the screw (8) so that the brackets (6/7) can still be readjusted.



3

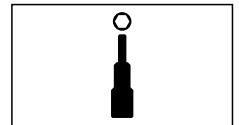
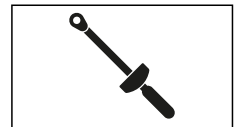


Screw the inner ends of the brackets (6/7) to the connecting plates (3/4). Do not tighten the screws (10) yet.

Now position the brackets (6/7) according to your driving ergonomics, and tighten all screws in the following order and as specified in the mounting instructions: (10), (5), (8).

⚠ 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.00.220.10000/B

Revision: 01 • Date: 12 - 2023

Adventure handguard shell set

 ~ 0.25 h.EASY      DIFFICULT


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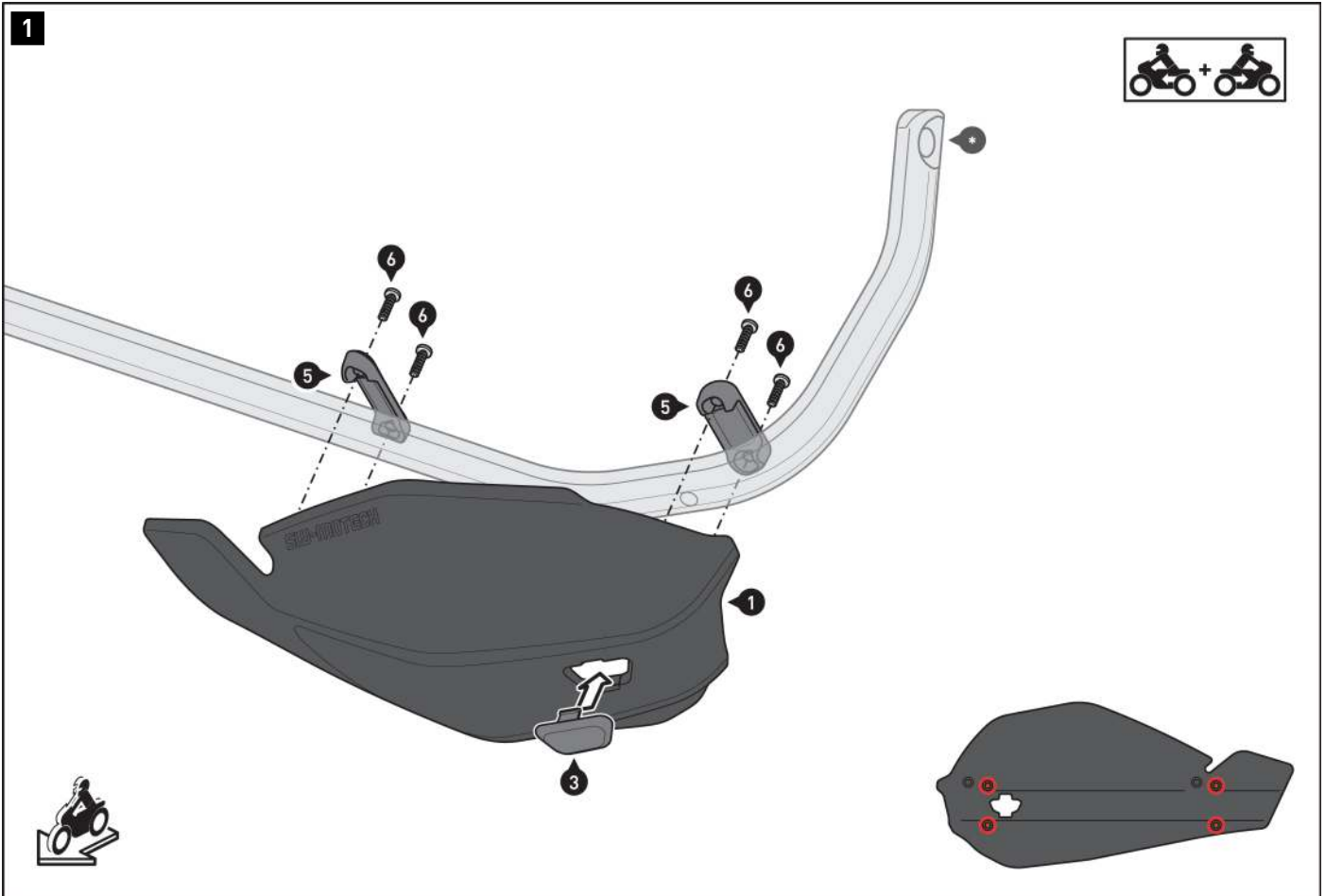
Do not use thread lock: Indicates that no liquid thread lock should be used at this point.



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

PARTS LIST • READ AND KEEP MOUNTING INSTRUCTIONS!

1	<div>1</div> 	<div>2</div> 	<div>3</div> 	<div>4</div> 	<div>5</div> 	<div>6</div> 
	HDG.00.220.002L.02	HDG.00.220.002R.02	HDG.00.220.008L.02	HDG.00.220.008R.02	HDG.00.220.009.02	M3,5 x 12 SC.ST.035.012.02
	 1/1	 1/1	 1/1	 1/1	 4/4	 8/8



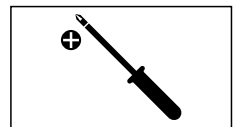
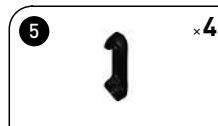
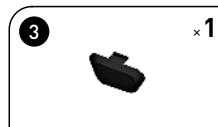
⚠ WARNING: Always wear eye and hand protection!
⚠ WARNING: Always use the proper tools!

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

⚠ NOTE: Pay attention to the L marking (left) or R marking (right) of the plastic caps (3/4). Insert the plastic caps (3/4) into the openings of the Adventure hand-guard shells (1/2).

Screw the Adventure hand-guard shells (1/2) onto the brackets (*). Carefully tighten the screws (5) hand-tight (max. 1 Nm).

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



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.*