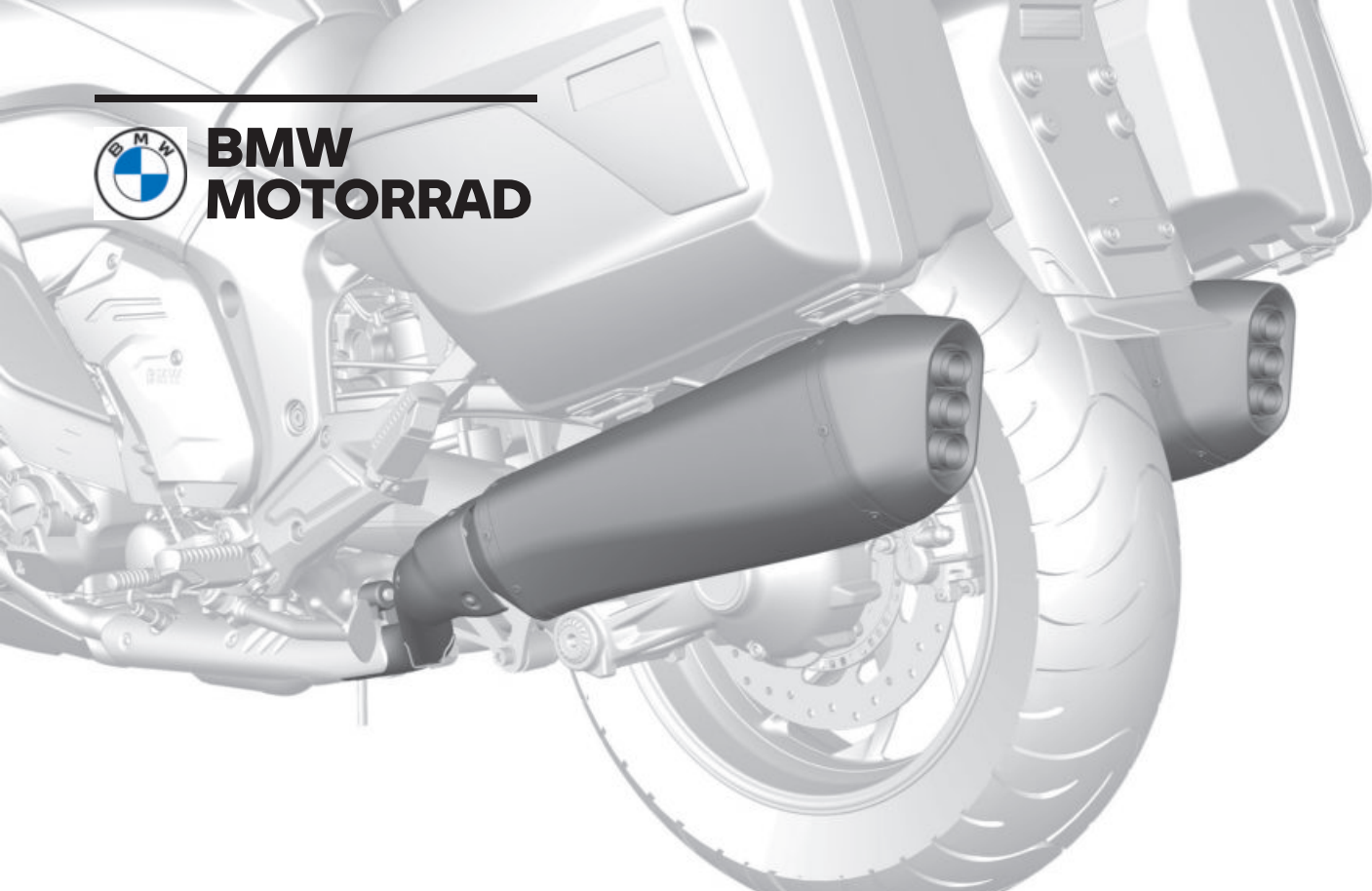




**BMW
MOTORRAD**



Installation instructions

SPORTS SILENCER

K 1600 GTL

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

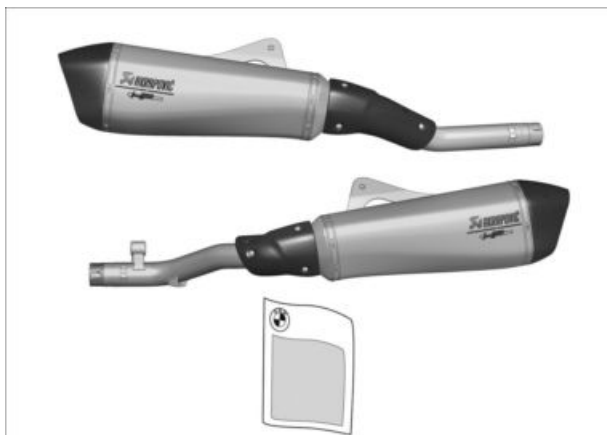
- ◄ End of the main activity
- ◁ End of the secondary activity
- ◇ End of validity designation CS (construction status), OE (optional extra) or OA (optional accessory)

All rights reserved.

Sports silencer

Requisite tools

- Torx wrench set
- Torque wrench



Delivery specification

- Set Sports silencer

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.

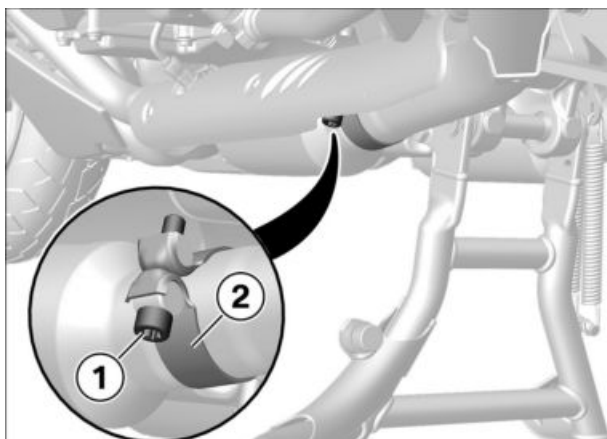
77 11 010 Installing sports silencer**⚠ CAUTION****Hot exhaust system**

Risk of burn injury

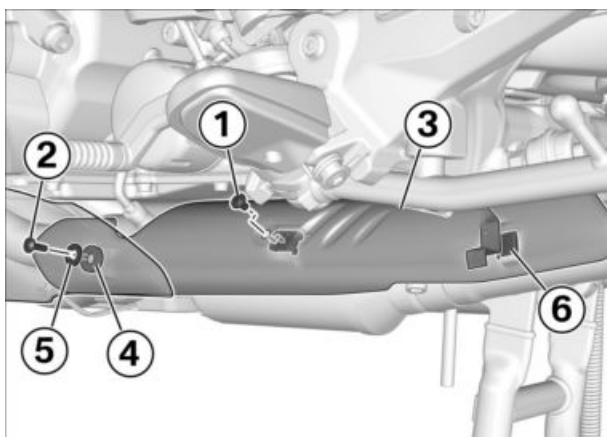
- Do not touch a hot exhaust system.

1**► Removing case**

- Remove the case, see Rider's Manual.

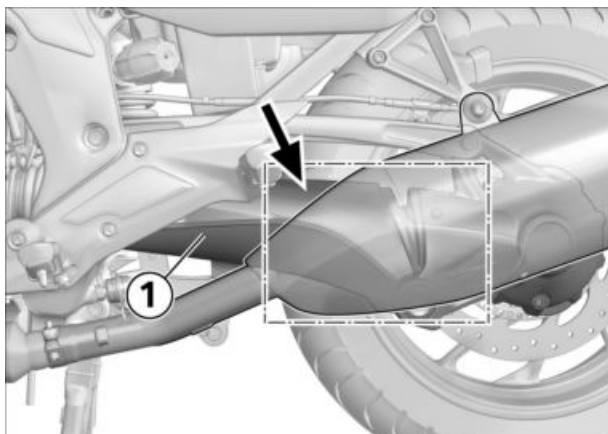
**2****► Disengage the clamp on left silencer**

- Slacken screw (1) until clamp (2) is loose.

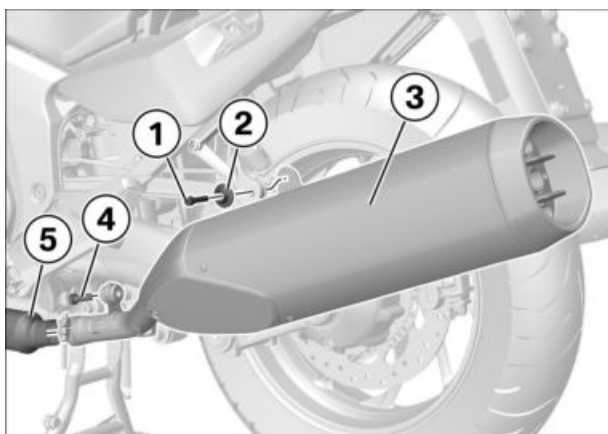
**3****► Removing left catalytic-converter shield**

- Remove screws (1) and (2).
- Ease up catalytic-converter shield (3) and remove insulating washer (4) with bushing and washer (5).
- Push catalytic-converter shield (3) forward, disengage it from retaining plate (6) and remove.

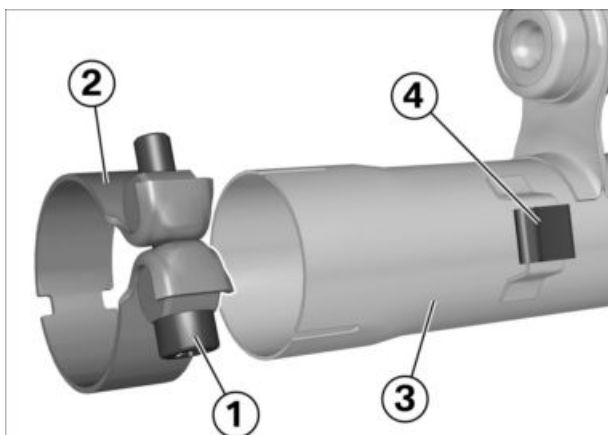


4**► Affixing protection to rear wheel swinging arm**

- Affix cover or adhesive tape in the area shown here (**arrow**) of rear wheel swinging arm (**1**).

5**► Removing left silencer**

- Remove screw (**1**) with washer (**2**).
- Disengage silencer (**3**) from stud (**4**) and exhaust manifold (**5**) and work it to the rear to remove.

6**► Removing left clamp and retainer**

- Slacken screw (**1**).
- Ease open clamp (**2**) and remove it from silencer (**3**).
- Remove retainer (**4**).

7

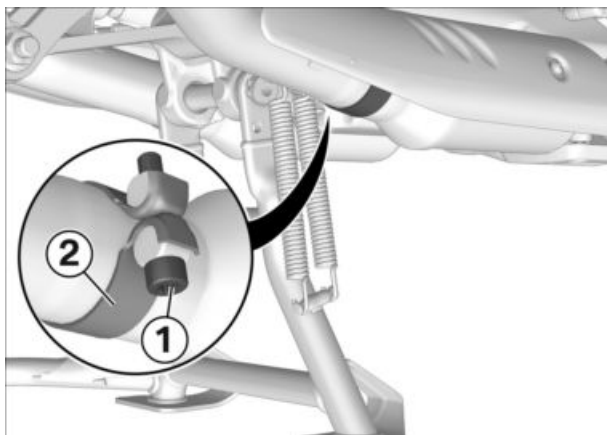
► Disengaging clamp on right silencer

⚠ CAUTION**Hot exhaust system**

Risk of burn injury

- Do not touch a hot exhaust system.

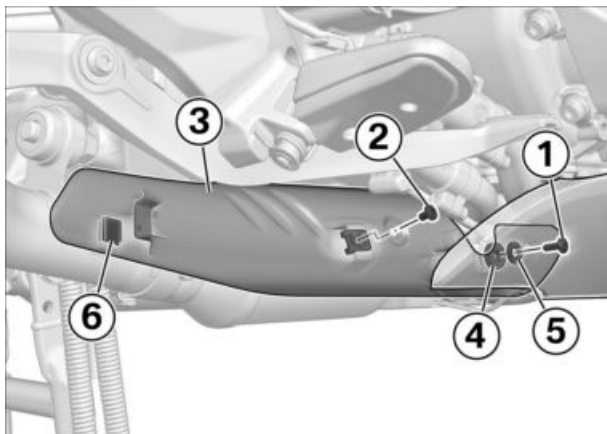
- Slacken screw **(1)** until clamp **(2)** is loose.



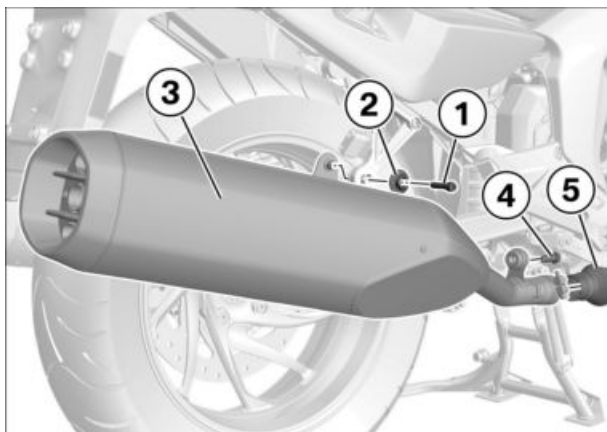
8

► Removing right catalytic-converter shield

- Remove screws **(1)** and **(2)**.
- Ease up catalytic-converter shield **(3)** and remove insulating washer **(4)** with bushing and washer **(5)**.
- Push catalytic-converter shield **(3)** forward, disengage it from retaining plate **(6)** and remove.



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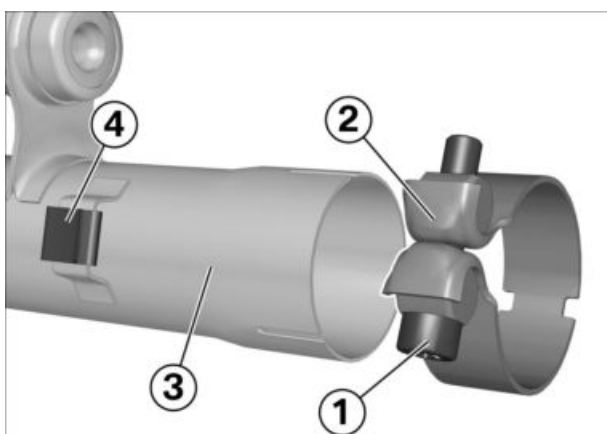
► **Removing right silencer**

- Remove screw (1) with washer (2).
- Disengage silencer (3) from stud (4) and exhaust manifold (5) and work it to the rear to remove.

 NOTICE

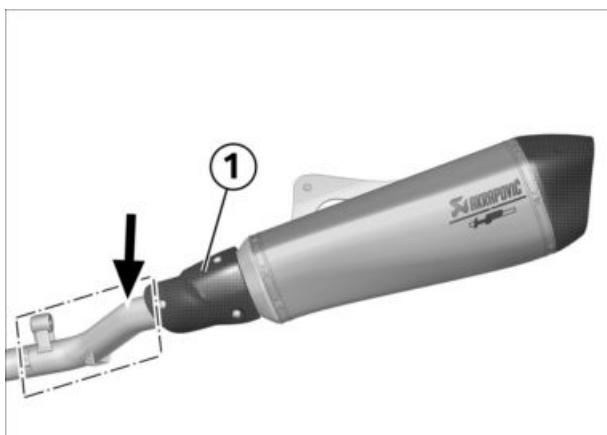
The stud is no longer necessary, but can remain in its original position. It is essential to plug the tapped bore if the stud is removed.

10

► **Removing right clamp and retainer**

- Slacken screw (1).
- Ease open clamp (2) and remove it from silencer (3).
- Remove retainer (4).

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► **Affix the protection to left sports silencer**

- Affix cover or adhesive tape in the area shown here (arrow) of left sports silencer (1).

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► Install the left silencer

 ATTENTION

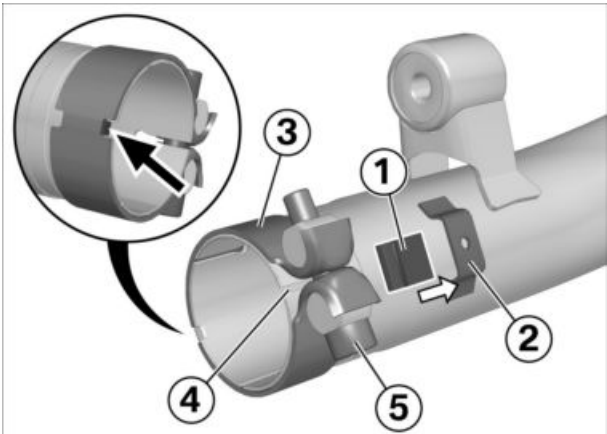
Use of unsuitable cleaning agents

Damage to the surface

- Clean the outer skin of the sports silencer only with a care spray recommended by an authorised BMW Motorrad dealer and a soft, dry cloth.

 NOTICE

The lifespan of the insulating material in the silencer depends on engine performance and style of riding. Consult an authorised BMW Motorrad dealer if the silencer becomes louder or if its external appearance changes. Note, however, that slight discolouration of the silencer is normal. This discolouration is caused by the high temperature of the exhaust gas.



▷ **Install the clamp for left sports silencer and install retaining plate**

- Slip retaining plate (1) all the way on to retaining bracket (2).
- Lubricate the inner face of the clamp.

 Lubricant

Copper paste	81 22 9 400 794
--------------	-----------------

- Ease open clamp (3) and slip it on to pipe (4) of the sports silencer.
- Align clamp (3) with the lug (arrow).
- Install screw (5) and tighten until hand-tight.



- Lubricate the outside circumference of neck of exhaust manifold (1).

 Lubricant

Copper paste	81 22 9 400 794
--------------	-----------------

- Connect Sports silencer (2) with clamp on exhaust manifold (1).
- Slip the guide (arrow) on to stud (3).
- Install screw (4) with washer (5) until hand-tight.



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► **Affix the protection to right sports silencer**

- Affix cover or adhesive tape in the area shown here (**arrow**) of left sports silencer (**1**).

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► **Installing right silencer**

ATTENTION

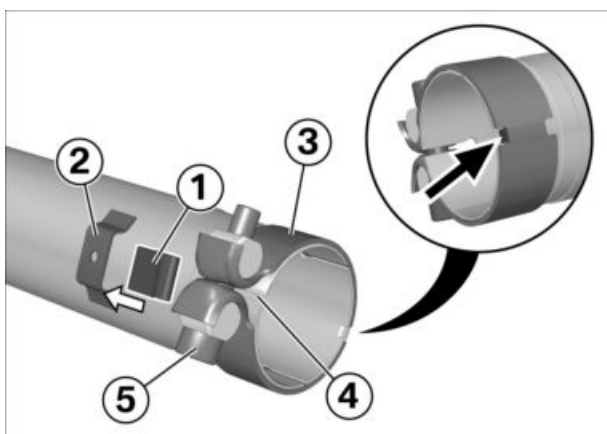
Use of unsuitable cleaning agents

Damage to the surface

- Clean the outer skin of the sports silencer only with a care spray recommended by an authorised BMW Motorrad dealer and a soft, dry cloth.

NOTICE

The lifespan of the insulating material in the silencer depends on engine performance and style of riding. Consult an authorised BMW Motorrad dealer if the silencer becomes louder or if its external appearance changes. Note, however, that slight discolouration of the silencer is normal. This discolouration is caused by the high temperature of the exhaust gas.



► **Securing clamp for right silencer**

- Slip retaining plate (**1**) all the way on to retaining bracket (**2**).
- Lubricate the inner face of the clamp.



Lubricant

Copper paste	81 22 9 400 794
--------------	-----------------

- Ease open clamp (**3**) and slip it on to pipe (**4**) of the sports silencer.
- Align clamp (**3**) with the lug (**arrow**).
- Install screw (**5**) and tighten until hand-tight.



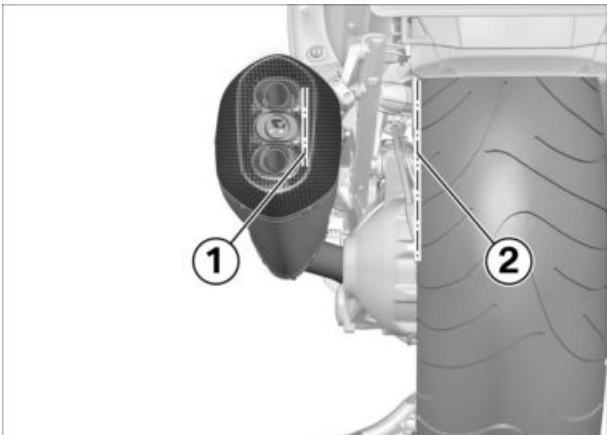
- Lubricate the outside circumference of neck of exhaust manifold (1).

Lubricant	
Copper paste	81 22 9 400 794

- Connect Sports silencer (2) with clamp on exhaust manifold (1).
- Install screw (3) with washer (4) until hand-tight.



15

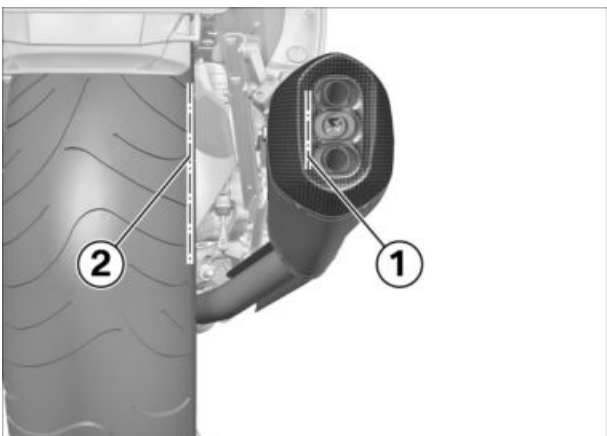


► Aligning left sports silencer

- Align contour (1) of the sports silencer parallel with rear tyre (2).



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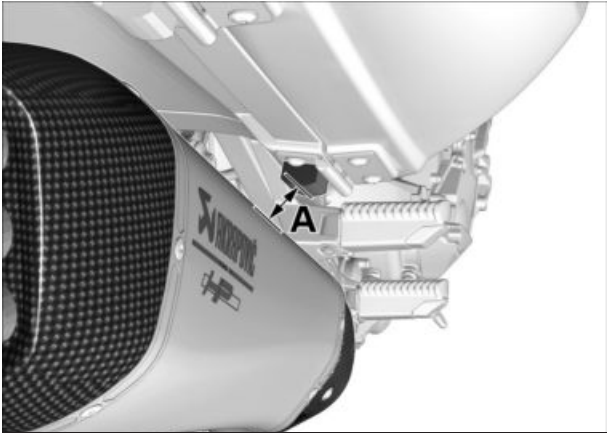


► Aligning right sports silencer

- Align contour (1) of the sports silencer parallel with rear tyre (2).



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► **Checking clearance between rubber buffer on case and sports silencer on both sides**

▷ **Installing case**

- Install the case, see Rider's Manual.



- Check the distance from the spacer buffer on the case to the sports silencer on both sides.

Check

- Clearance **(A)** must be to specification.

Technical data			
Clearance A		>20 mm	

Result

Clearance is less than specified.

Measure

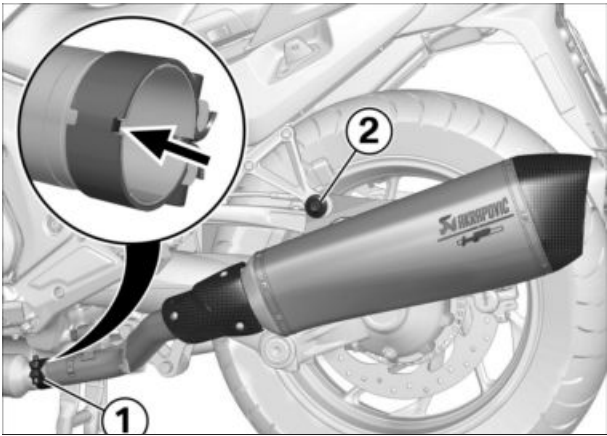
- Repeat the adjustment process.

▷ **Removing case**

- Remove the case, see Rider's Manual.



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► **Tightening screws of left sports silencer**

- Tighten screw **(1)**, making sure that the recess in the clamp is seated on the lug **(arrow)** of the sports silencer.

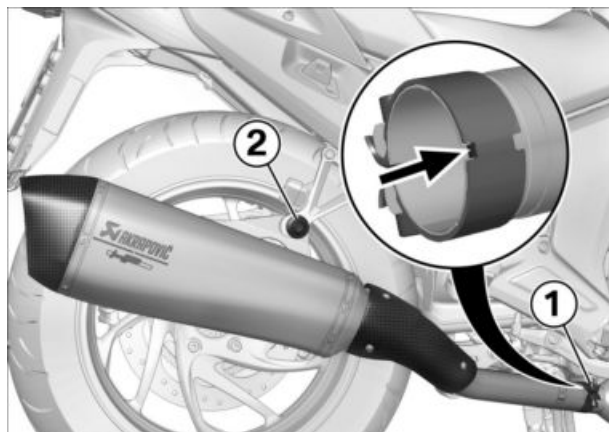
Tightening torques		
Exhaust manifold clamp to silencer		
M8 x 40	30 Nm	

- Tighten screw **(2)**.

Tightening torques		
Silencer to bracket		
M8 x 35	19 Nm	



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► **Tightening screws of right sports silencer**

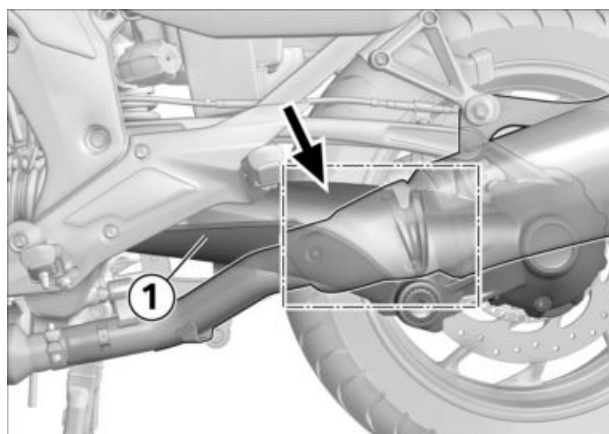
- Tighten screw **(1)**, making sure that the recess in the clamp is seated on the lug **(arrow)** of the sports silencer.

Tightening torques		
Exhaust manifold clamp to silencer		
M8 x 40	30 Nm	

- Tighten screw **(2)**.

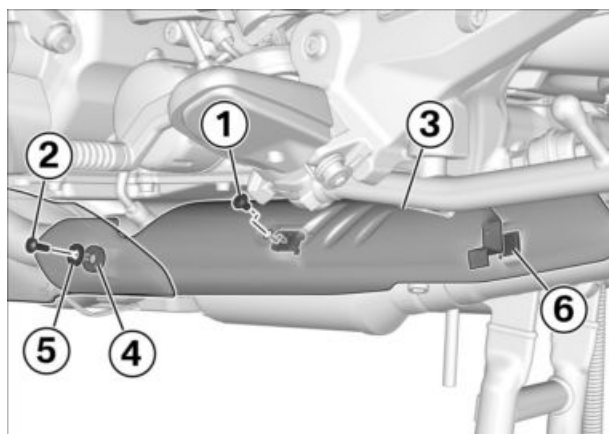
Tightening torques		
Silencer to bracket		
M8 x 35	19 Nm	

20

► **Removing protection from rear wheel swinging arm**

- Remove cover or masking tape applied beforehand to protect area shown **(arrow)** from rear wheel swinging arm **(1)**.

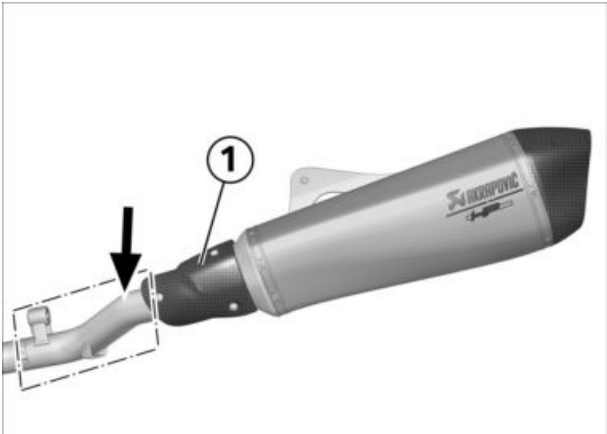
21

► **Installing left catalytic-converter shield**

- Clean the threads.
- Engage catalytic-converter shield **(3)** on retaining plate **(6)**.
- Ease up catalytic-converter shield **(3)** and install insulating washer **(4)** with bushing and washer **(5)**.
- Install screws **(1)** and **(2)**.

 Tightening torques		
Catalytic-converter shield to exhaust manifold		
M5 x 10, Replace screw Thread-locking compound (micro-encapsulated)	5 Nm	
M5 x 16, Replace screw Thread-locking compound (micro-encapsulated)	5 Nm	

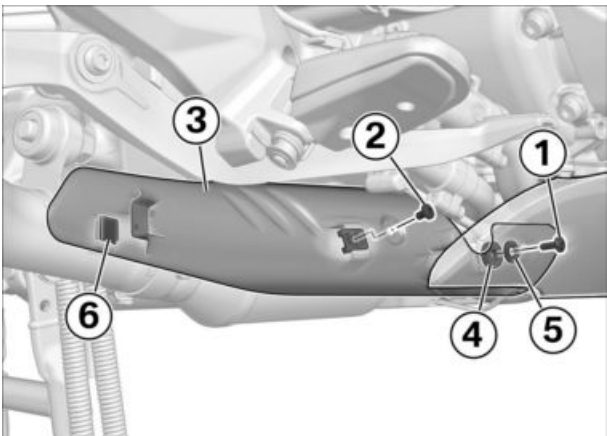
22



► Removing protection from left sports silencer

- Remove cover or adhesive tape from the area shown here (**arrow**) of left sports silencer (**1**).

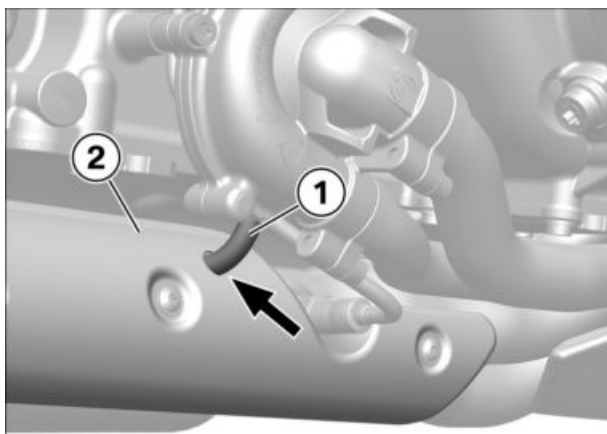
23



► Installing right catalytic-converter shield

- Clean thread.
- Attach catalytic converter shield (**3**) on retaining plate (**6**).
- Lift catalytic converter shield (**3**) and position insulating washer (**4**) with bush and washer (**5**).
- Install screws (**1**), and (**2**).

 Tightening torques		
Catalytic-converter shield to exhaust manifold		
M5 x 10, Replace screw Thread-locking compound (micro-encapsulated)	5 Nm	
M5 x 16, Replace screw Thread-locking compound (micro-encapsulated)	5 Nm	



- Work drainage hose (1) into bore (arrow) of the catalytic converter trim (2).

NOTICE

The emerging of small amounts of coolant from the drainage hose is normal.

An incorrectly installed drainage hose can lead to coolant residue on the catalytic converter cover and customer complaints.

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► Removing protection from right sports silencer

- Remove cover or adhesive tape from the area shown here (arrow) of left sports silencer (1).

25

► Installing case

- Install the case, see Rider's Manual.

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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 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

- Set kill switch to "ON" position.
- Select neutral.
 - » Neutral telltale light "N" lights up.
- Switch on the ignition.
 - » Neutral telltale light "N" goes out.
- Select a gear.
 - » Neutral telltale 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.

