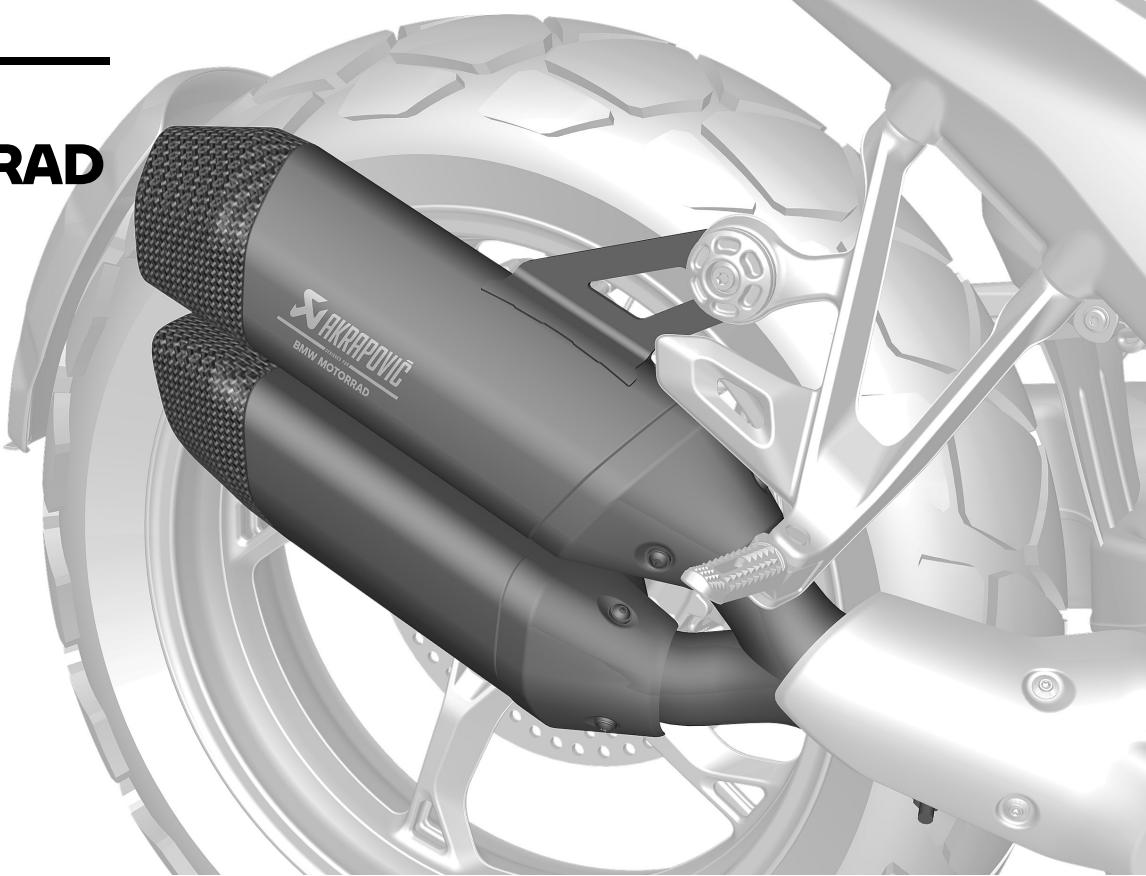




**BMW
MOTORRAD**



Installation instructions

DOUBLE SILENCER, TITANIUM

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.

 **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 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.

Double silencer, titanium

Requisite tools

- Torx wrench set
- Set of hexagon socket bits
- Torque wrench



Scope of installation

- Sports silencer

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 11 010 Installing sports silencer

CAUTION

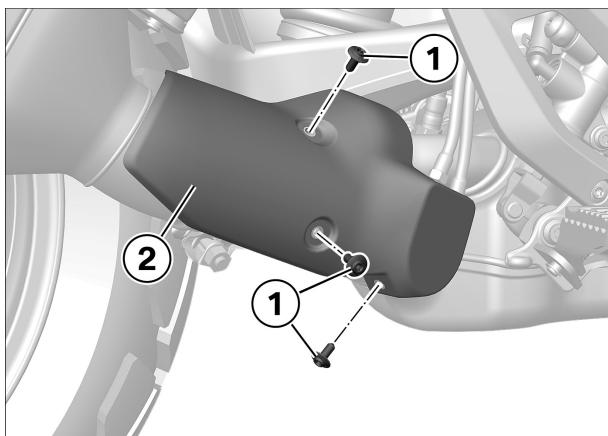
Hot exhaust system

Risk of burn injury

- Do not touch a hot exhaust system.

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

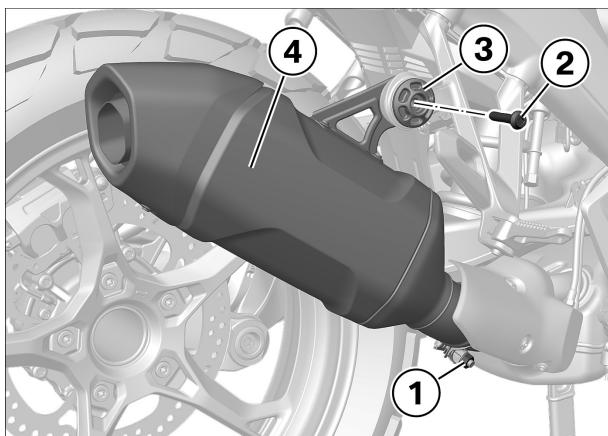
1



► Removing silencer cover

- Remove screws (1).
- Remove silencer cover (2).

2



► Removing silencer

- Slacken clamp (1).
- Remove screw (2) and shaped washer (3).
- Remove silencer (4).

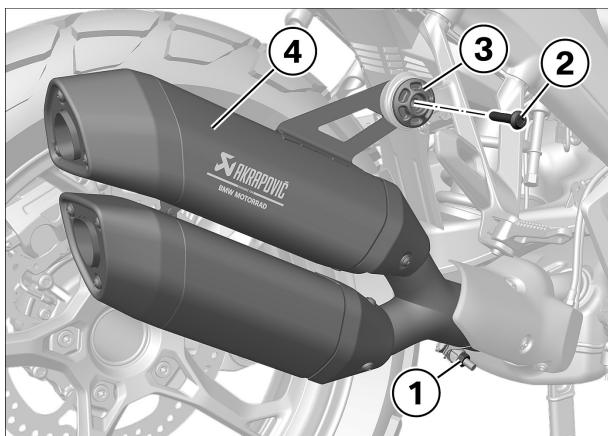
3

► Installing silencer

NOTICE

The exhaust clamps must be installed lubricated to ensure the tightness of the exhaust system.

Specifically, the area of the joint must be lubricated.



- Renew clamp and lightly lubricate the inner face.

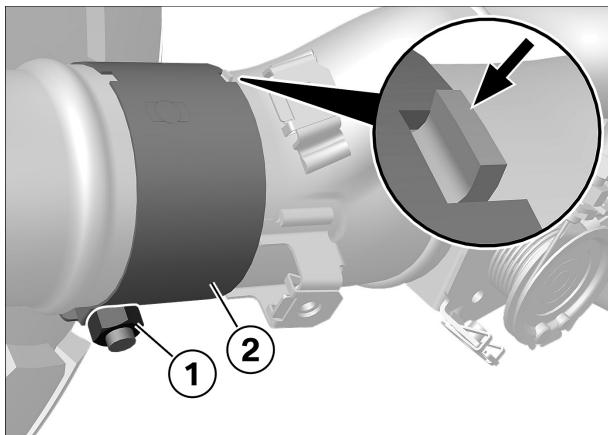
**Lubricant**

Optimoly TA	18 21 9 062 599
-------------	-----------------

- Slide the clamp (1) onto the silencer (4).
- Push silencer (4) to limit position.
- Install shaped washer (3) and screw (2).

**Tightening torques****Silencer to bracket**

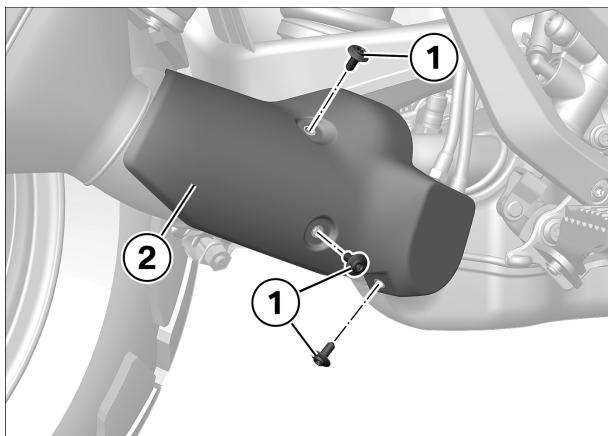
M8 x 35	19 Nm	
---------	-------	--



- Position clamp (2) with recess in lug (arrow).
- Tighten nut (1).

**Tightening torques****Clamp to silencer and exhaust manifold**

Replace clamp Lubricate inner face of clamp, Lubricant (Optimoly TA)	22 Nm	
---	-------	--

4**► Install the silencer cover**

- Position silencer cover (2).
- Install screws (1).

5**► 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 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.

