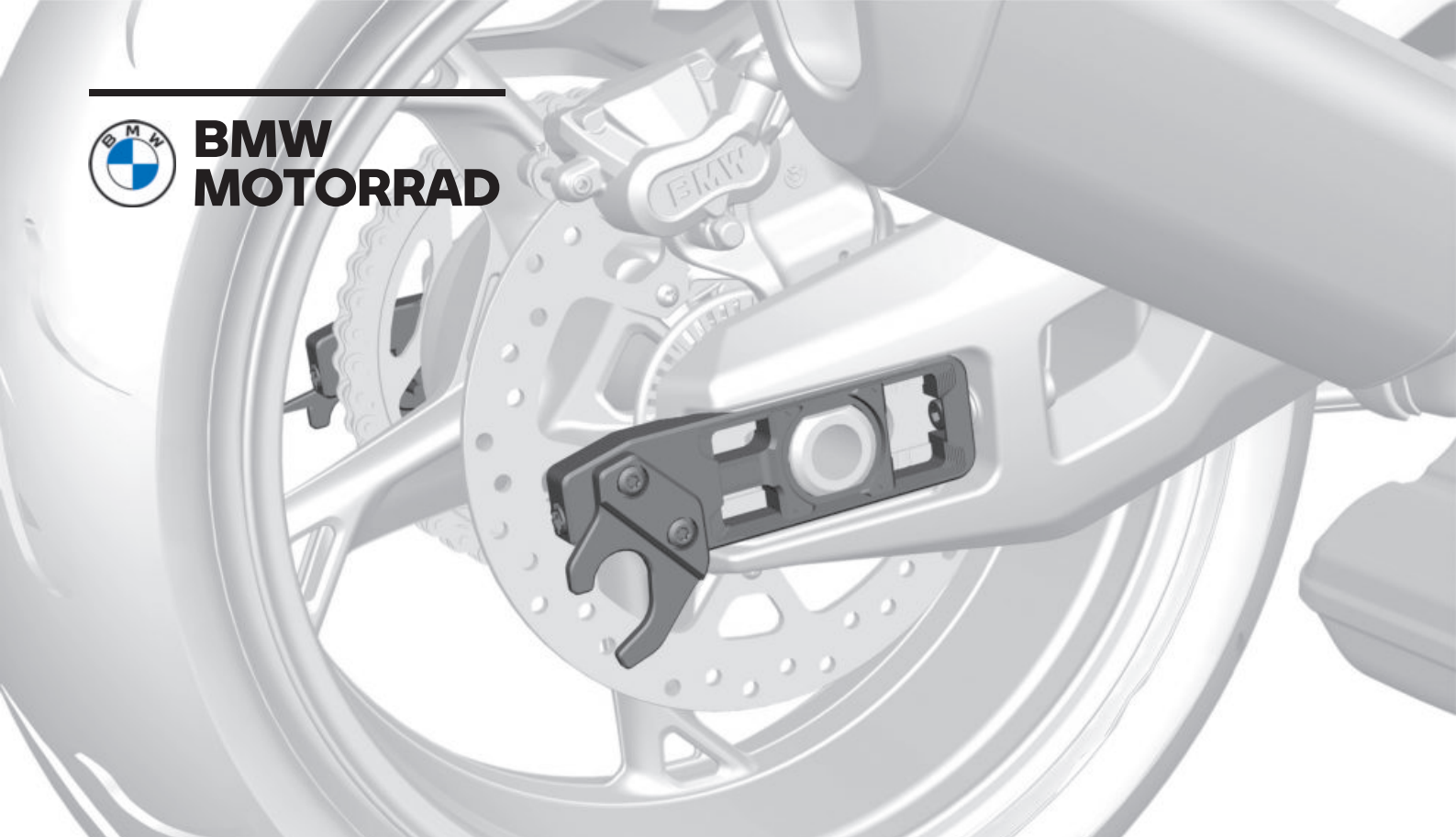




**BMW
MOTORRAD**



Installation instructions

M CHAIN TENSIONER WITH ASSEMBLY STAND MOUNTING

S 1000 XR

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)

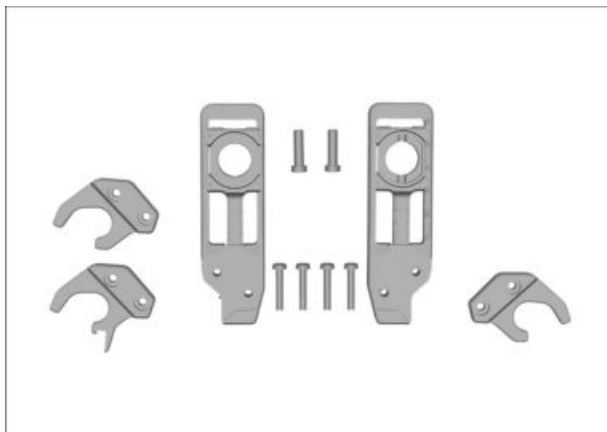
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M Chain tensioner with assembly stand mounting

Requisite tools

- Torx wrench set
- External hex wrench set
- Torque wrench
- Wedges (36 5 521)

Order No.: 83 30 2 152 983



Delivery specification

- Set M chain tensioner



Additionally required:

- Set Adapter

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

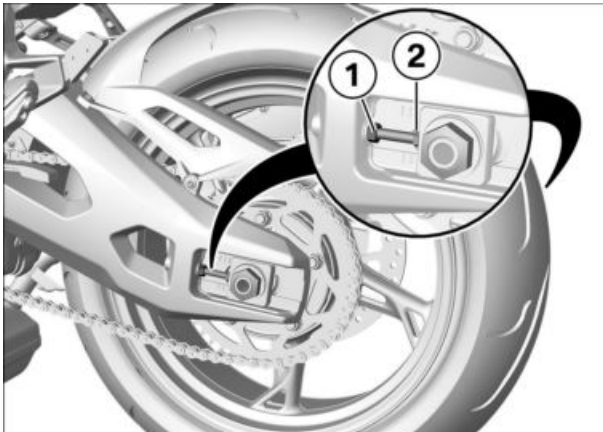
Once the retrofit kit has been installed by the workshop, these installation instructions must be handed over to the customer.

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

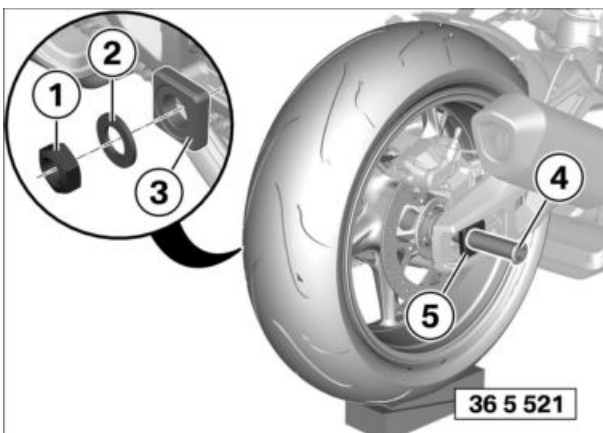
77 25 083 Installing chain tensioner with assembly stand mounting

– without centre stand^{OE} (0636)

Additional work: 46 52 510 Removing and installing the rear-wheel stand special tool (motorcycles without centre stand)◇

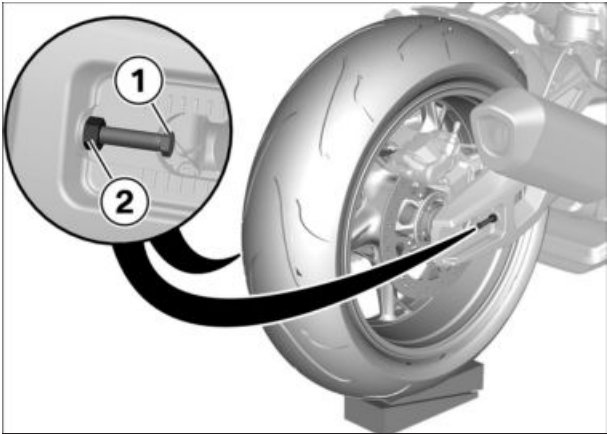
1**► Removing rear quick-release axle**

- Slacken lock nuts **(1)** and tensioning screws **(2)** on left and right.



- Support rear wheel with wedges (36 5 521) or other suitable auxiliary materials.
- Remove nut **(1)** with washer **(2)** and sliding piece **(3)**.
- Remove quick-release axle **(4)** with sliding piece **(5)**.
- » Sliding pieces **(3)** and **(5)** are no longer needed.

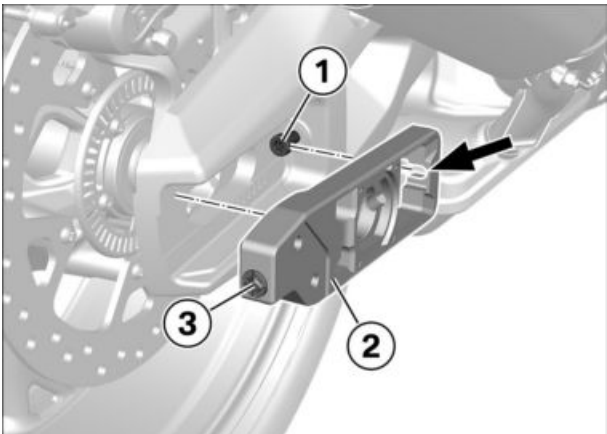
2



► Removing adjusting screws for chain tensioner

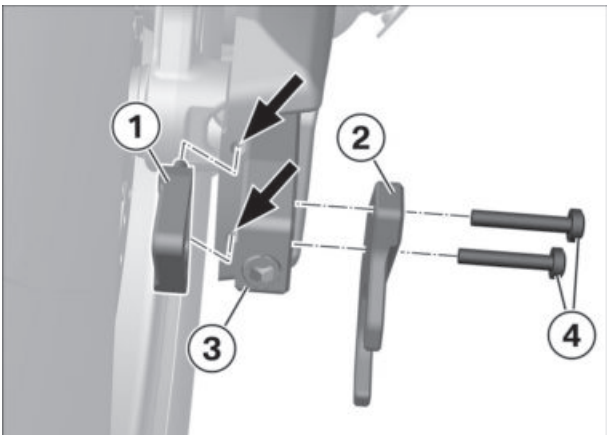
- Remove adjusting screws (1) with nuts (2).
- » The components are no longer required.

3



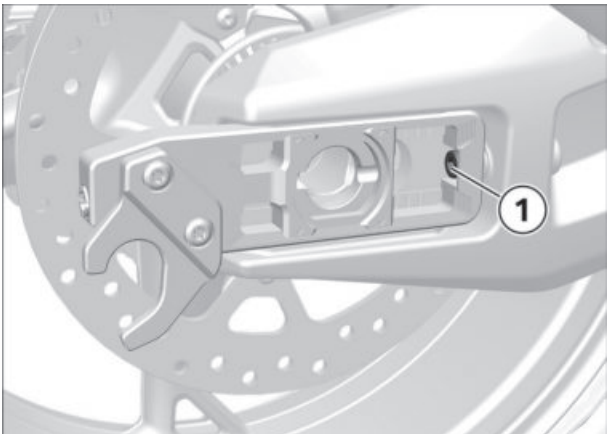
► Installing chain tensioner with stand mount on right

- Install bolt (1) loosely.
- Install chain tensioner (2) and place recess (arrow) onto screw (1).
- Tighten screw (1) hand-tight and if necessary, adjust adjuster on adjusting screw (3) to the rear.



- Insert adapter (1) in bores (arrow) of rear wheel swinging arm.
- Position stand mounting (2) on chain tensioner (3).
- Install and tighten screws (4).

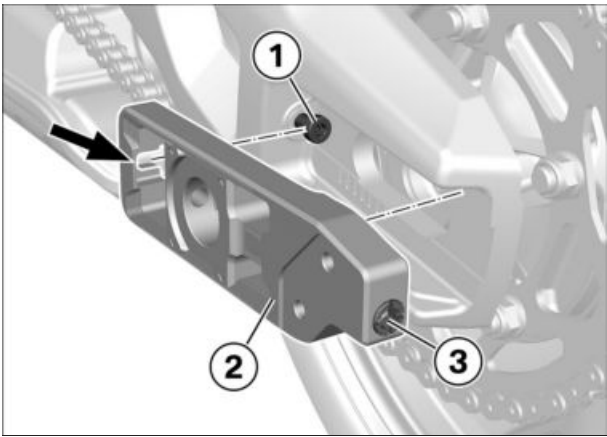
Tightening torques		
Stand mounting to chain tensioner		
M6 x 35	9 Nm	



- Tighten screw **(1)**.

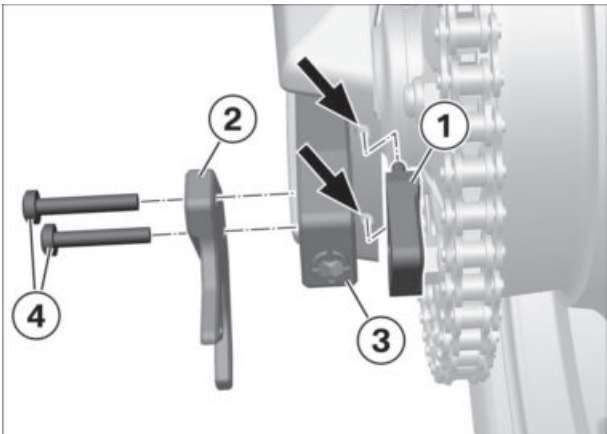
Tightening torques		
Chain tensioner to rear wheel swinging arm		
M8 x 30	19 Nm	

4



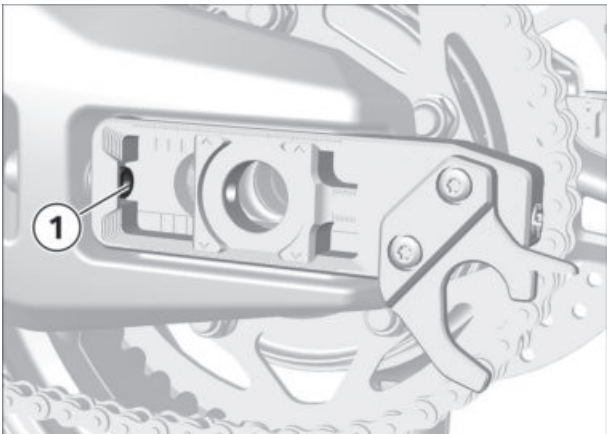
► Installing chain tensioner with stand mount

- Install bolt **(1)** loosely.
- Install chain tensioner **(2)** and place recess (**arrow**) onto screw **(1)**.
- Tighten screw **(1)** hand-tight and if necessary, adjust adjuster on adjusting screw **(3)** to the rear.



- Insert adapter **(1)** in bores (**arrow**) of rear wheel swinging arm.
- Position stand mounting **(2)** on chain tensioner **(3)**.
- Install and tighten screws **(4)**.

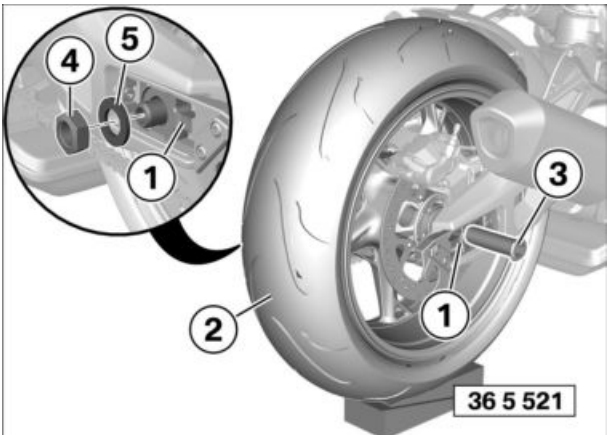
Tightening torques		
Chain tensioner to rear wheel swinging arm		
M8 x 30	19 Nm	



- Tighten screw (1).

Tightening torques		
Chain tensioner to rear wheel swinging arm		
M8 x 30	19 Nm	

5



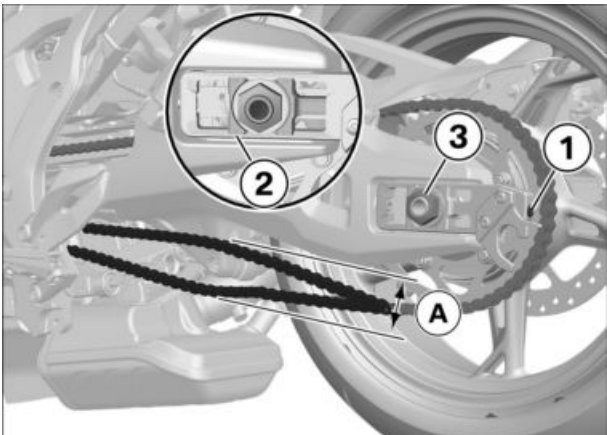
► Installing rear quick-release axle

- Set adjuster (1) on left and right to the front.
- Align rear wheel (2) to adjusters (1).
- If necessary, clean and lubricate quick-release axle (3).

Lubricant	
Optimoly TA	18 21 9 062 599

- Install quick-release axle (3).
- Install nut (4) with washer (5), do not tighten yet.
- Remove wedges (36 5 521) or auxiliary materials.

6



► Adjusting chain sag

ATTENTION

Rear wheel skewed at a slight angle because tensioning screws not adjusted to same setting

Accelerated wear at rear wheel and chain drive

- Make sure that the rear wheel is aligned to track correctly (same scale reading on both sides of the rear wheel swinging arm).
- Adjust chain sag (A) by turning adjusting screws (1) on left and right.

 Technical data			
Chain deflection	Motor-cycle with no weight applied, supported on its side stand	45...50 mm	

- Make sure toe adjustment is correct (same scale value **(2)** on both chain tensioners).
- Tighten the nut **(3)**.

 Tightening torques		
Rear quick-release axle in swinging arm		
M24 x 1.5 Thread-locking compound (mechanical)	125 Nm	

- Recheck chain sag **(A)** and if necessary, slacken nut **(3)** and repeat adjustment procedure.



7

► 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.
- 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.

