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Symbols used

The symbols used are explained in the following.

-
- | | |
|--|---|
|  | Indicates an expected reaction (e.g. of a work step or a function). |
|  | Indicates an unexpected reaction (e.g. of a work step or a function). |
|  | All work marked with this symbol requires specialist knowledge and technical understanding. In the interest of your own safety, have these jobs done in an authorized KTM workshop! There, your motorcycle will be serviced optimally by specially trained experts using the specialist tools required. |
|  | Identifies a page reference (more information is provided on the specified page). |
-

Formats used

The typographical and other formats used are explained in the following.

-
- | | |
|--------------------------|--|
| Specific name | Identifies a specific name. |
| Name[®] | Identifies a protected name. |
| Brand[™] | Identifies a brand in merchandise traffic. |
-

Warranty

The maintenance work prescribed in the greasing and service table must be carried out in an authorized KTM workshop and confirmed in the customer's service record, since otherwise no warranty claims will be recognized. No warranty claims can be considered for damage resulting from manipulations and alterations to the motorcycle.

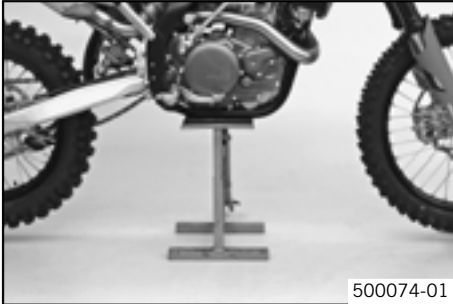
Fuel, oils, etc.

You should use the fuels, oils and greases according to specifications as listed in the owner's manual.

Spare parts, accessories

For your own safety, use only spare parts and accessories approved by KTM. KTM accepts no liability for other products and any resulting damage or loss.

Jacking up the motorcycle

**Note**

Danger of damage Danger of damage by the vehicle running away or falling over.

- Always place the vehicle on a firm and even surface.

- Jack up the motorcycle underneath the engine. The wheels must no longer touch the ground.

Work stand (54829055000) (P. 178)

- Secure the motorcycle against falling over.

Removing the motorcycle from the work stand

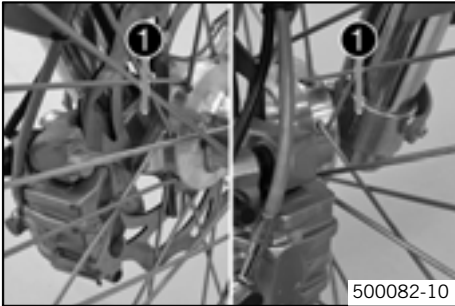
Note

Danger of damage Danger of damage by the vehicle running away or falling over.

- Always place the vehicle on a firm and even surface.

- Remove the motorcycle from the work stand.
- Remove the work stand.

Fork part number



500082-10

The fork part number ❶ is stamped on the inner side of the fork stub.

Adjusting spring preload of the fork



100025-10

- Turn adjusting screws counterclockwise until they stop.



Info

Make the same adjustment on both fork legs.

- Turn back clockwise the number of turns corresponding to the fork type. Specification

Spring preload - Preload Adjuster (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Comfort	2 turns
Standard	4 turns
Sport	7 turns
Spring preload - Preload Adjuster (EXC-R SIX DAYS)	
Comfort	2 turns
Standard	2 turns
Sport	7 turns



Info

Turn clockwise to increase spring preload, turn counterclockwise to reduce spring preload.

Adjusting the spring preload has no influence on the absorption setting of the rebound damping.

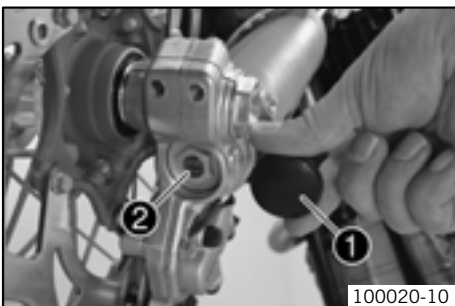
Basically, however, you should set the rebound damping higher with a higher spring preload.

Adjusting compression damping of fork



Info

The hydraulic compression damping determines the fork suspension behavior.



100020-10

- Remove protection covers ❶.
- Turn adjusting screws ❷ clockwise until they stop.



Info

The adjusting screws ❷ are located at the bottom end of the fork legs. Make the same adjustment on both fork legs.

- Turn back counterclockwise the number of clicks corresponding to the fork type. Specification

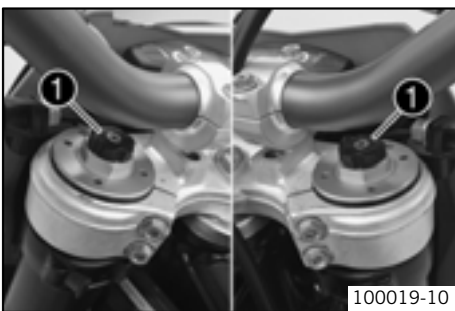
Compression damping (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Comfort	24 clicks
Standard	20 clicks
Sport	18 clicks
Compression damping (EXC-R SIX DAYS)	
Comfort	24 clicks
Standard	22 clicks
Sport	18 clicks

i Info
Turn clockwise to increase damping, turn counterclockwise to reduce suspension damping.

- Mount protection covers ❶.

Adjusting rebound damping of fork

i Info
The hydraulic rebound damping determines the fork suspension behavior.



- Turn adjusting screws ❶ clockwise until they stop.

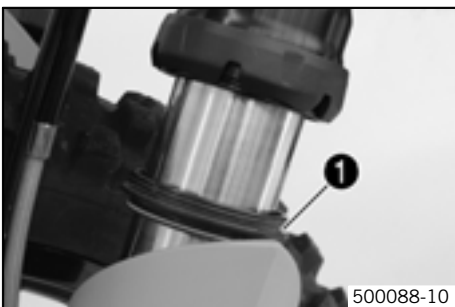
i Info
The adjusting screws ❶ are located at the top end of the fork legs. Make the same adjustment on both fork legs.

- Turn back counterclockwise the number of clicks corresponding to the fork type. Specification

Rebound damping (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Comfort	20 clicks
Standard	18 clicks
Sport	18 clicks
Rebound damping (EXC-R SIX DAYS)	
Comfort	20 clicks
Standard	20 clicks
Sport	18 clicks

i Info
Turn clockwise to increase damping, turn counterclockwise to reduce suspension damping.

Cleaning dust boots of fork legs



- Jack up the motorcycle. (☛ P. 8)
- Loosen the fork protection. (☛ P. 13)
- Push dust boots ❶ of both fork legs downwards.

i Info
The dust boots should remove dust and coarse dirt particles from the fork tubes. Over time, dirt can penetrate behind the dust boots. If this dirt is not removed, the oil seals behind can start to leak.



Warning

Danger of accidents Reduced braking due to oil or grease on the brake discs.

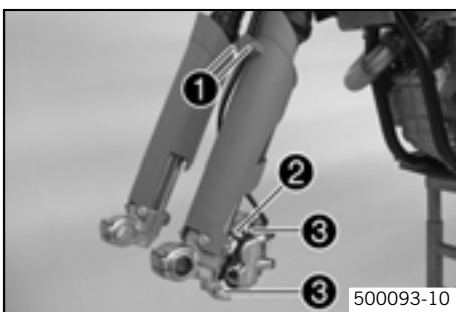
- Always keep the brake discs free of oil and grease, and clean them with brake cleaner when necessary.

- Clean and oil the dust boots and inner fork tube of both fork legs.

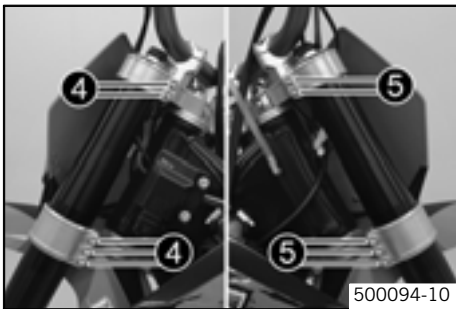
Universal oil spray (☛ P. 175)

- Press the dust boots back into their normal position.
- Remove excess oil.
- Position the fork protection. (☛ P. 13)
- Remove the motorcycle from the work stand. (☛ P. 8)

Removing the fork legs

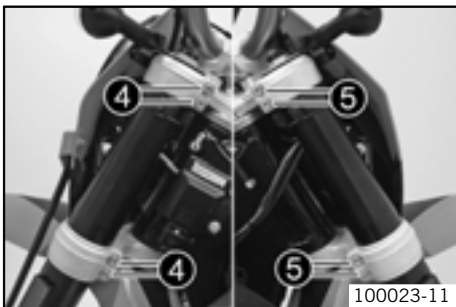


- Remove front wheel. (☛ P. 33)
- Remove screws ❶ and take off clamp.
- Remove cable clip ❷, remove screw ❸ and take off the brake caliper.
- Hang the brake caliper and the brake line loosely to the side.



(EXC-R SIX DAYS, XCR-W USA)

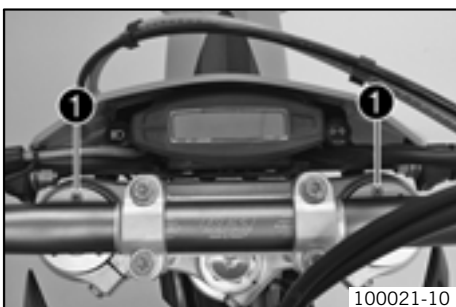
- Loosen screw ❹. Remove the fork leg on the left.
- Loosen screw ❺. Remove the fork leg on the right.



(EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W ZA)

- Loosen screw ❹. Remove the fork leg on the left.
- Loosen screw ❺. Remove the fork leg on the right.

Installing the fork legs



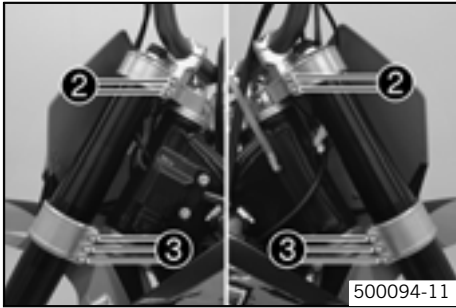
- Check parts for damage and wear. Replace damaged or worn parts.
- Position the fork legs.



Info

The topmost sunk nut in the fork leg must be flush to the upper edge of the upper triple clamp.

Position the bleeder screw ❶ to the front.



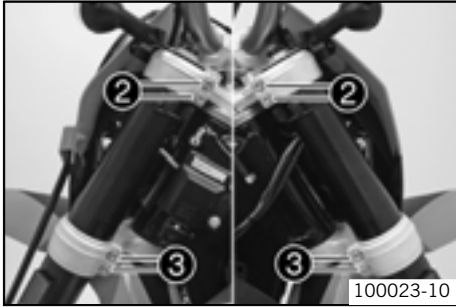
(EXC-R SIX DAYS, XCR-W USA)

- Fully tighten screw 2.
Specification

Screw, top triple clamp	M8	17 Nm (12.54 lbf ft)
-------------------------	----	-------------------------

- Fully tighten screw 3.
Specification

Screw, bottom triple clamp	M8	12 Nm (8.85 lbf ft)
----------------------------	----	------------------------



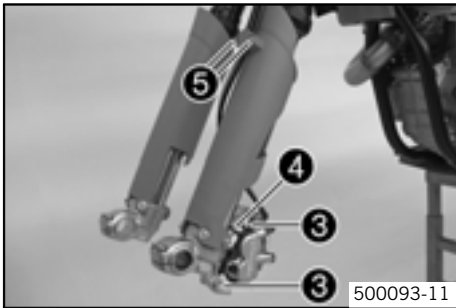
(EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W ZA)

- Fully tighten screw 2.
Specification

Screw, top triple clamp	M8	20 Nm (14.75 lbf ft)
-------------------------	----	-------------------------

- Fully tighten screw 3.
Specification

Screw, bottom triple clamp	M8	15 Nm (11.06 lbf ft)
----------------------------	----	-------------------------

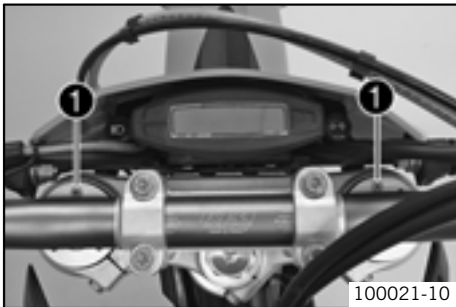


- Position brake caliper, mount and tighten screws 3.
Specification

Screw, front brake caliper	M8	25 Nm (18.44 lbf ft)	Loctite® 243™
----------------------------	----	-------------------------	---------------

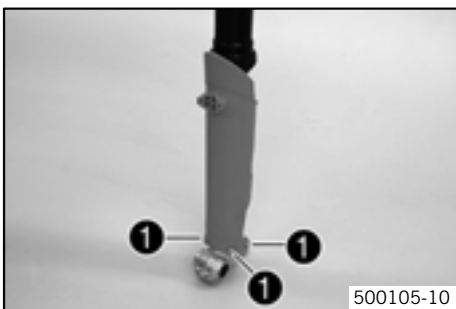
- Fit cable clip 4.
- Position the brake line and cable harness. Put the clamp on, mount and tighten screws 5.
- Fit front wheel. (☛ P. 33)

Bleeding fork legs



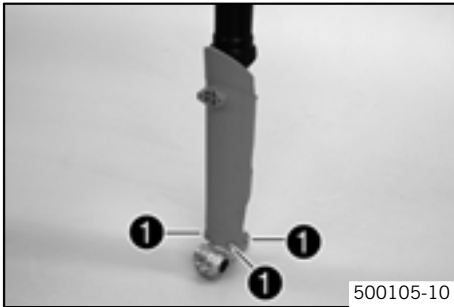
- Jack up the motorcycle. (☛ P. 8)
- Remove bleeder screws 1 briefly.
✓ Any excess pressure escapes from the interior of the fork.
- Mount and tighten bleeder screws.
- Remove the motorcycle from the work stand. (☛ P. 8)

Removing the fork protector



- Remove the fork legs. (☛ P. 11)
- Remove screws 1 on the left fork leg. Remove the fork protector upwards.
- Remove the screws on the right fork leg. Remove the fork protector upwards.

Installing the fork protector



- Check parts for damage and wear. Replace damaged or worn parts.
- Position the fork protection on the left fork leg. Mount and tighten screws ❶. Specification

Remaining screws, chassis	M6	10 Nm (7.38 lbf ft)
---------------------------	----	------------------------

- Position the fork protection on the right fork leg. Mount and tighten screws. Specification

Remaining screws, chassis	M6	10 Nm (7.38 lbf ft)
---------------------------	----	------------------------

- Install the fork legs. (☛ P. 11)

Loosening the fork protection



- Remove screws ❶ and take off clamp.
- Remove screws ❷ on left fork leg. Push the fork protection downwards.
- Remove the screws on the right fork leg. Push the fork protection downwards.

Positioning the fork protection



- Position the fork protection on the left fork leg. Mount and tighten screws ❶. Specification

Remaining screws, chassis	M6	10 Nm (7.38 lbf ft)
---------------------------	----	------------------------

- Position the brake line and cable harness. Put the clamp on, mount and tighten screws ❷.

- Position the fork protection on the right fork leg. Mount and tighten screws. Specification

Remaining screws, chassis	M6	10 Nm (7.38 lbf ft)
---------------------------	----	------------------------

Removing the lower triple clamp (EXC-R SIX DAYS, XCR-W USA)

- Remove the fork legs. (☛ P. 11)

(XCR-W USA)

- Dismount the start number plate. (☛ P. 32)

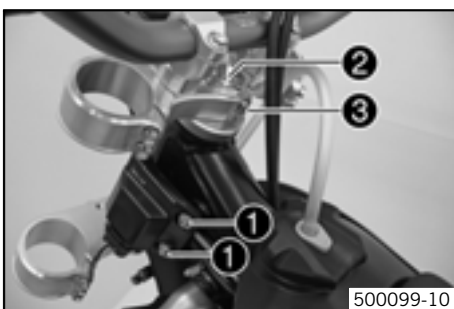
(EXC-R SIX DAYS)

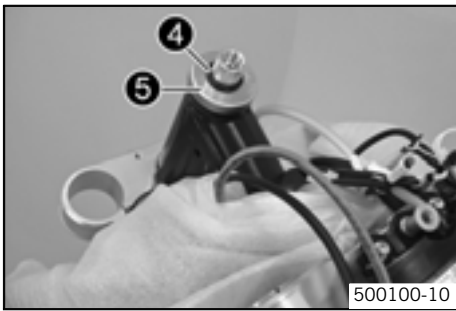
- Remove the headlight mask with the headlight. (☛ P. 31)
- Dismount the front fender. (☛ P. 31)
- Remove screws ❶ and hang the CDI control unit to the side.

i Info
Do not unplug the CDI control unit.

- Remove screw ❷. Remove screw ❸, take off top triple clamp with the handlebar and place it on one side.

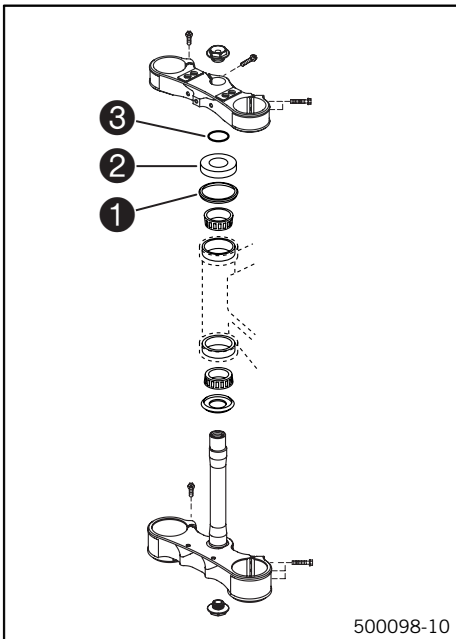
i Info
Protect the motorcycle and its attachments from damage by covering them. Do not bend the cables and lines.





- Remove o-ring ④. Remove protector ring ⑤.
- Remove the lower triple clamp with the steering stem.
- Remove the upper steering head bearing.

Installing the lower triple clamp (EXC-R SIX DAYS, XCR-W USA)



- Clean the bearing and sealing elements, check for damage, and grease.

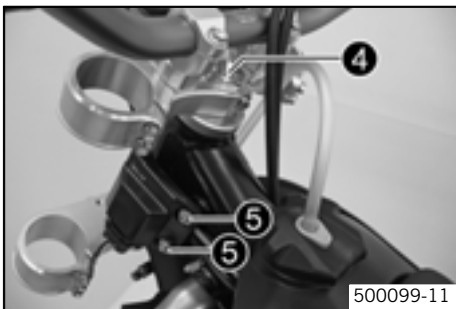
Long-life grease (☛ P. 175)

- Insert the lower triple clamp with the steering stem. Mount the upper steering head bearing.

i Info

Check whether the top steering head seal ① is correctly positioned.

- Push up protective ring ② and o-ring ③.



- Position the upper triple clamp with the steering.
- Mount and tighten screw ④.

Specification

Screw, top steering head	M20x1,5	10 Nm (7.38 lbf ft)
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- Position the clutch line, wiring harness and CDI control unit. Mount and tighten screws ⑤.

Specification

Remaining screws, chassis	M6	10 Nm (7.38 lbf ft)
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- Install the front fender. (☛ P. 31)

(XCR-W USA)

- Fit the start number plate. (☛ P. 32)

(EXC-R SIX DAYS)

- Refit the headlight mask with the headlight. (☛ P. 31)
- Install the fork legs. (☛ P. 11)

- Mount and tighten screw ⑥.

Specification

Screw, top steering stem	M8	17 Nm (12.54 lbf ft)	Loctite® 243™
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- Check the cable harness, cable, brake and clutch line for free movement and free laying.
- Check play of steering head bearing.

