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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).
	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.

Own name	Indicates a proprietary name.
Name[®]	Identifies a protected name.
Brand[™]	Identifies a brand in merchandise traffic.

Warranty

The work prescribed in the service schedule must be carried out by an authorized KTM workshop only and confirmed in the customer's service record; otherwise, all warranty claims will be void. No warranty claim can be honored for damage resulting from manipulation and/or other changes to the vehicle.

Fuel, oils, etc.

The fuels and lubricants named in the owner's manual must be used according to specifications.

Spare parts, accessories

Only use spare parts and accessories approved and/or recommended by KTM. KTM accepts no liability for other products and any resulting damage or loss.

You will find the current **KTM PowerParts** for your vehicle on the KTM website.

International KTM Website: <http://www.ktm.com>

Work rules

Special tools are necessary for some of the work. These are not included with the vehicle and can be ordered under the number in parentheses. Ex: valve spring compressor (59029019000)

During assembly, non-reusable parts (e.g. self-locking screws and nuts, seals and seal rings, O-rings, pins, lock washers) must be replaced by new parts.

If thread lock (e.g. **Loctite®**) is used for screw connections, be sure to comply with the manufacturer's specific instructions on its usage.

Parts that you want to reuse following repairs and servicing should be cleaned and checked for damage and wear. Change damaged or worn parts.

Following repairs or servicing, the vehicle must be checked for roadworthiness.

notes/warnings

Be sure to pay attention to the notes and warnings given here.



Info

Various notes and warning stickers are attached to the vehicle. Do not remove any notes and warning stickers. If they are missing, you or others may not recognize sources of danger and may therefore be injured.

Grades of risks



Danger

Indicates immediate danger that will invariably lead to severe or even fatal injury if the appropriate measures are not taken.



Warning

Indicates immediate danger that may lead to severe or even fatal injury if the appropriate measures are not taken.

Note

Identifies a danger that will lead to considerable machine and material damage if the appropriate measures are not taken.



Warning

Indicates immediate danger that will invariably lead to environmental damage if the appropriate measures are not taken.

Repair manual

- It is imperative that you read this owner's manual carefully and completely before the start of work. It contains useful information and many tips on how to repair and maintain your vehicle.
- This manual assumes that the necessary special KTM tools and workplace and workshop equipment are available.

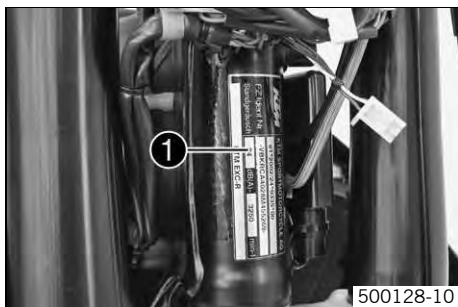
Chassis number



500127-10

The chassis number ❶ is stamped on the steering head on the right.

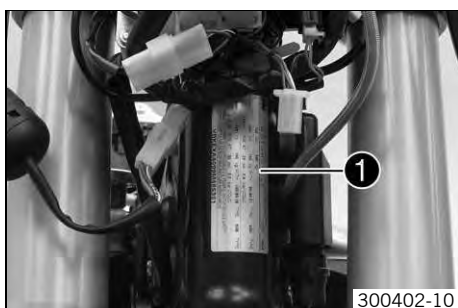
Type label



500128-10

(EXC EU, EXC AUS, EXC SIX DAYS, XCR-W)

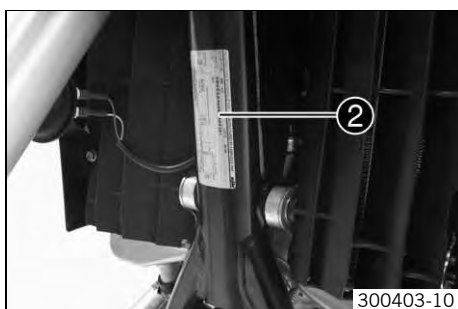
The type label ❶ is fixed to the front of the steering head.



300402-10

(EXC USA)

The type label USA ❶ is fixed to the front of the steering head.



300403-10

(EXC USA)

The type label Canada ❷ is fixed to the front of the front pipe.

Key number (all EXC models)



500125-10

(EXC EU, EXC AUS, EXC-R SIX DAYS)

The key number ❶ is stamped on the key strap.



(EXC USA)

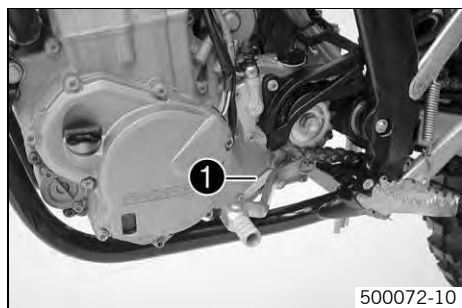
The key number ❶ is provided on the **KEYCODECARD**.



Info

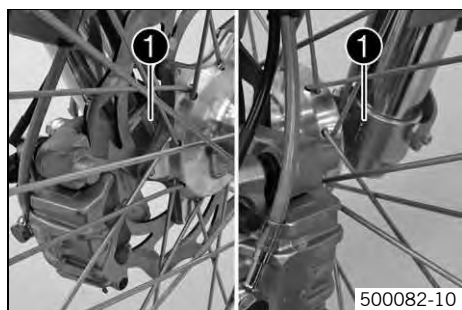
You need the key number to order a spare key. Keep the **KEYCODECARD** in a safe place.

Engine number



The engine number ❶ is stamped on the left side of the engine under the engine sprocket.

Fork part number



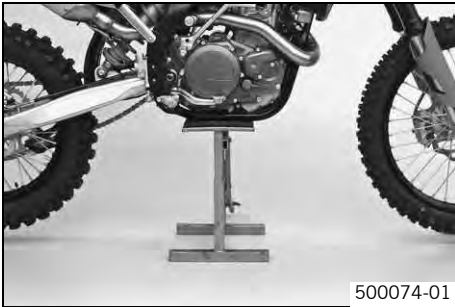
The fork part number ❶ is stamped on the inner side of the fork stub.

Shock absorber part number



The shock absorber part number ❶ is stamped on the top of the shock absorber above the adjusting ring on the engine side.

Jacking up the motorcycle



Note

Danger of damage The parked vehicle can roll away or fall 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. 229)

- Secure the motorcycle against falling over.

Removing the motorcycle from the work stand

Note

Danger of damage The parked vehicle can roll away or fall over.

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

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

Starting



Danger

Danger of poisoning Exhaust gases are poisonous and can result in unconsciousness and/or death.

- When running the engine, always make sure there is sufficient ventilation, and do not start or run the engine in a closed space without an effective exhaust extraction system.

Note

Engine failure High engine speeds in cold engines have a negative effect on the service life of the engine.

- Always warm up the engine at low engine speeds.



Info

If the motorcycle is unwilling to start, the cause can be old fuel in the float chamber. The flammable elements of the fuel evaporate after a long time of standing.

If the float chamber is filled with fresh fuel, the engine starts immediately.

Press the starter for a maximum of 5 seconds. Wait for a least 5 seconds until trying again.

Motorcycle has been out of use for more than 1 week

- Empty the carburetor float chamber. (☛ p. 170)
- Turn handle ❶ of the fuel tap to the **ON** position. (Figure 500137-10 ☛ p. 65)
- ✓ Fuel can flow from the fuel tank to the carburetor.
- Remove the motorcycle from the stand.
- Shift gear to neutral.

(EXC USA)

- Turn the key in the ignition switch to the position ❶.

(EXC USA)

- Turn the emergency OFF switch to the position ❶.

(EXC AUS)

- Turn the emergency OFF switch to the position ❶.

Engine cold

(EXC AUS, XC-W, EXC USA)

- Pull the choke lever out as far as possible.

(EXC EU, EXC SIX DAYS)

- Pull the choke lever to the stop.

- Press the electric starter button or press the kickstarter robustly through its full range.



Info

Don't open the throttle.

Starting the motorcycle for checking**Danger**

Danger of poisoning Exhaust gases are poisonous and can result in unconsciousness and/or death.

- When running the engine, always make sure there is sufficient ventilation, and do not start or run the engine in a closed space without an effective exhaust extraction system.

**Info**

Press the starter for a maximum of 5 seconds. Wait for a least 5 seconds before trying again.

- Shift gear to neutral.

(EXC USA)

- Turn the key in the ignition switch to the position
- Turn the emergency OFF switch to the position

(EXC AUS)

- Turn the emergency OFF switch to the position .
- Press the electric starter button or press the kickstarter robustly through its full range.

**Info**

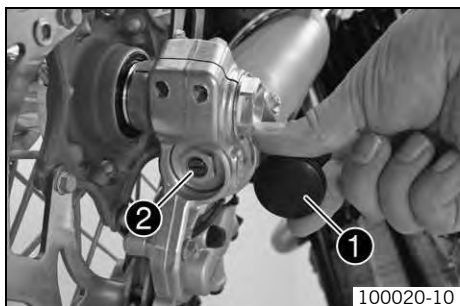
Do not open the throttle.

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.

Guideline

Compression damping	
Comfort	26 clicks
Standard	22 clicks
Sport	20 clicks



Info

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

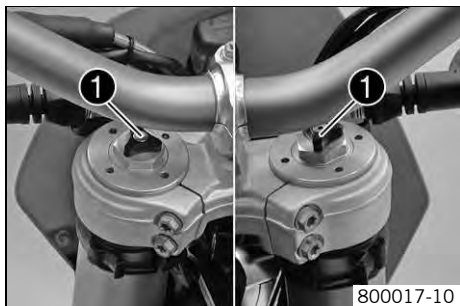
- Mount protection covers ❶.

Adjusting rebound damping of fork



Info

The hydraulic rebound damping determines the fork suspension behavior.



800017-10

- Turn adjusting screws ❶ clockwise until they stop.



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.

Guideline

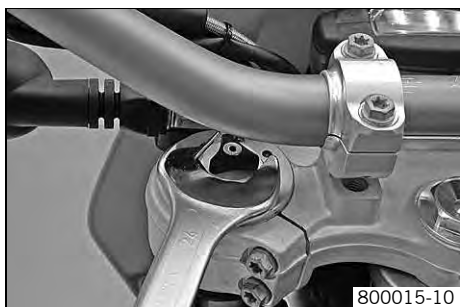
Rebound damping	
Comfort	24 clicks
Standard	22 clicks
Sport	22 clicks



Info

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

Adjusting spring preload of the fork



800015-10

- 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.

Guideline

Spring preload - Preload Adjuster	
Comfort	2 turns
Standard	2 turns
Sport	4 turns