

390 ADVENTURE

ART. NO. 3214794EN



SISTEMA ANTIBLOQUEO DE FRENOS ABS. Para mayor información del sistema, consulte sección Equipo de frenos.



SISTEMA DE ENCENDIDO AUTOMÁTICO DE LUCES AHO / SISTEMA DE LUCES DE CIRCULACIÓN DIURNA DRL. Para mayor información del sistema, consulte sección Sistema eléctrico.



Anexo Información de seguridad

Verifique la carátula de este manual para conocer cuál de los siguientes dispositivos de seguridad posee su vehículo.



SISTEMA
ANTIBLOQUEO
DE FRENOS

Sistema diseñado para evitar que las ruedas se bloqueen al frenar de forma brusca mientras se circula en línea recta, el sistema regula automáticamente la fuerza de frenado.

Aunque el sistema ABS proporciona estabilidad al detenerse, recuerde las siguientes características:

* Para frenar de forma eficaz, deje de acelerar y utilice la leva de freno delantero y el pedal de freno trasero simultáneamente, de la misma manera que en el sistema de frenos de una motocicleta convencional.

* El ABS no puede compensar las condiciones adversas de la carretera, un error de juicio o un uso incorrecto de los frenos.



SISTEMA DE ENCENDIDO

AUTOMÁTICO DE LUCES (AHO)

Sistema diseñado para que una vez se ponga el motor en marcha, la luz principal de la farola se encienda automáticamente.

Este sistema garantiza una mayor visibilidad del vehículo para los demás actores viales.



SISTEMA DE LUCES
DE CIRCULACIÓN DIURNA (DRL)

Sistema de iluminación LED, el cual se enciende automáticamente al girar el interruptor de encendido a "ON".

Mientras la farola principal esté apagada, la luz LED alumbrará intensamente, si se enciende la farola principal, la luz LED se atenuará automáticamente.

No se recomienda dejar el interruptor de encendido en "ON" mientras el motor no esté en funcionamiento porque la batería se descargará prematuramente.

Congratulations on your decision to purchase a KTM motorcycle. You are now the owner of a state-of-the-art sports vehicle which, with appropriate care, will bring you pleasure for a long time to come.

We wish you good and safe riding at all times!

Enter the serial numbers of your vehicle below.

Vehicle identification number (☞ p. 13)	Dealer's stamp
Engine number (☞ p. 13)	
Key number (☞ p. 13)	

The Owner's Manual contained the latest information for this model series at the time of publication. However, minor differences due to further developments in design cannot be ruled out completely.

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Issued by: TÜV Management Service

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KTM Sportmotorcycle GmbH

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This document is valid for the following models:

- 390 ADVENTURE EU (F5303W5, F5303W6)
- 390 ADVENTURE B.D. EU (F5303W7, F5303W8)
- 390 ADVENTURE B.D. 2 EU (F5303W7L, F5303W8L)
- 390 ADVENTURE B.D. 3 EU (F5303WA, F5303WAL)
- 390 ADVENTURE 2 EU (F5303W9)
- 390 ADVENTURE JP (F5386W5, F5386W6)
- 390 ADVENTURE B.D. JP (F5386W7)
- 390 ADVENTURE UK (F5322W5, F5322W6)
- 390 ADVENTURE B.D. UK (F5322W7)
- 390 ADVENTURE AR (F5342W5, F5342W6)
- 390 ADVENTURE B.D. AR (F5342W7)
- 390 ADVENTURE ASEAN (F5388W5, F5388W6)
- 390 ADVENTURE CN (F5387W5, F5387W6)
- 390 ADVENTURE CO (F5341W5, F5341W6)



3214794en

17.02.2023

DEAR KTM CUSTOMER

390 ADVENTURE B.D. CO (F5341W7)
390 ADVENTURE PH (F5382W5, F5382W6)

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1 MEANS OF REPRESENTATION

1.1 Symbols used

The meaning of specific symbols is described below.



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).



Indicates work that requires expert knowledge and technical understanding. In the interest of your own safety, have these jobs performed by an authorized KTM workshop! Your motorcycle will be cared for there to the highest degree by specially trained experts using the special tools required.



Indicates a page reference (more information is provided on the specified page).



Indicates information with more details or tips.



Indicates the result of a testing step.



Indicates the end of an activity, including potential reworking.

1.2 Formats used

The typographical formats used in this document are explained below.

Proprietary name Indicates a proprietary name.

Name® Indicates a protected name.

Brand™ Indicates a brand available on the open market.

Underlined terms Refer to technical details of the vehicle or indicate technical terms, which are explained in the glossary.

2.1 Defined use

The vehicle is designed and constructed to withstand the usual demands of regular traffic and use on gentle terrain (unpaved roads). This vehicle is not suitable for use on race tracks.



Info

The motorcycle is only authorized for operation on public highways in the homologated version.

2.2 Misuse

The vehicle must only be used as intended.

Dangers can arise for people, property and the environment through use not as intended.

Any use of the vehicle beyond the intended and defined use constitutes misuse.

Misuse also includes the use of operating and auxiliary fluids which do not meet the required specification for the respective use.

2.3 Safety advice

A number of safety instructions need to be followed to operate the product described safely. Therefore read this instruction and all further instructions included carefully. The safety instructions are highlighted in the text and are referred to at the relevant passages.



Info

Various information and warning labels are attached in prominent locations on the product described. Do not remove any information or warning labels. If they are missing, you or others may not recognize dangers and may therefore be injured.

2.4 Degrees of risk and symbols



Danger

Identifies a danger that will immediately and invariably lead to fatal or serious permanent injury if the appropriate measures are not taken.



Warning

Identifies a danger that is likely to lead to fatal or serious injury if the appropriate measures are not taken.



Caution

Identifies a danger that may lead to minor injuries 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.



Note

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

2 SAFETY ADVICE

2.5 Tampering warning

Tampering with the noise control system is prohibited. Federal law prohibits the following acts or the causing thereof:

- 1 The removal or rendering inoperative by any person other than for purposes of servicing, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use, or
- 2 the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Among those acts presumed to constitute tampering are the acts listed below:

- 1 Removal or puncturing of the main silencers, baffles, header pipes or any other components which conduct exhaust gases.
- 2 Removal or puncturing of parts of the intake system.
- 3 Lack of proper maintenance.
- 4 Replacing moving parts of the vehicle, or parts of the exhaust system or intake system, with parts other than those specified by the manufacturer.

2.6 Safe operation



Danger

Danger of accidents A rider who is not fit to ride poses a danger to him or herself and others.

- Do not operate the vehicle if you are not fit to ride due to alcohol, drugs or medication.
- Do not operate the vehicle if you are physically or mentally impaired.



Danger

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.



Warning

Danger of burns Some vehicle components become hot when the vehicle is operated.

- Do not touch any parts such as the exhaust system, radiator, engine, damper, or brake system before the vehicle parts have cooled down.
- Let the vehicle parts cool down before you perform any work on the vehicle.

Only operate the vehicle when it is in perfect technical condition, in accordance with its intended use, and in a safe and environmentally compatible manner.

An appropriate driver's license is needed to ride the vehicle on public roads.

Have malfunctions that impair safety promptly eliminated by an authorized KTM workshop.

Adhere to the information and warning labels on the vehicle.

2.7 Protective clothing



Warning

Risk of injury Missing or poor protective clothing presents an increased safety risk.

- Wear appropriate protective clothing such as helmet, boots, gloves as well as trousers and a jacket with protectors on all rides.
- Always wear protective clothing that is in good condition and meets the legal regulations.

In the interest of your own safety, KTM recommends that you only operate the vehicle while wearing protective clothing.

2.8 Work rules

Unless specified otherwise, the ignition must be turned off during all work (models with ignition lock, models with remote key) or the engine must be at a standstill (models without ignition lock or remote key).

Special tools are necessary for certain tasks. The tools are not a component of the vehicle, but can be ordered using the number in parentheses. Example: bearing puller (15112017000)

Unless otherwise noted, normal conditions apply to all tasks and descriptions.

Ambient temperature	20 °C (68 °F)
Ambient air pressure	1,013 mbar (14.69 psi)
Relative air humidity	60 ± 5 %

During assembly, use new parts to replace parts which cannot be reused (e.g. self-locking screws and nuts, expansion screws, seals, sealing rings, O-rings, pins, and lock washers).

In the case of certain screws, a screw adhesive (e.g. **Loctite®**) is required. Observe the manufacturer's instructions.

If thread locker (e.g., **Precote®**) has already been applied to a new part, do not apply any additional thread locker.

After disassembly, clean the parts that are to be reused and check them for damage and wear. Change damaged or worn parts.

After completing a repair or service work, check the operating safety of the vehicle.

2.9 Environment

If you use your motorcycle responsibly, you can ensure that problems and conflicts do not occur. To protect the future of the motorcycle sport, make sure that you use your motorcycle legally, display environmental consciousness, and respect the rights of others.

When disposing of used oil, other operating and auxiliary fluids, and used components, comply with the laws and regulations of the respective country.

Because motorcycles are not subject to the EU regulations governing the disposal of used vehicles, there are no legal regulations that pertain to the disposal of an end-of-life motorcycle. Your authorized KTM dealer will be glad to advise you.

2.10 Owner's Manual

Read this owner's manual carefully and completely before making your first trip. The Owner's Manual contains useful information and many tips on how to operate, handle, and service your motorcycle. This is the only way to find out how best to customize the vehicle for your own use and how you can protect yourself from injury.



Tip

Store the Owner's Manual on your terminal device, for example, so that you can read it whenever you need to.

If you would like to know more about the vehicle or have questions on the material you read, please contact an authorized KTM dealer.

The Owner's Manual is an important component of the vehicle. If the vehicle is sold, the Owner's Manual must be downloaded again by the new owner.

The Owner's Manual can be downloaded several times using the QR code or the link on the delivery certificate.

The Owner's Manual is also available for download from your authorized KTM dealer and on the KTM website. A printed copy can also be ordered from your authorized KTM dealer.

International KTM Website: KTM.COM

3 IMPORTANT NOTES

3.1 Manufacturer warranty, implied warranty

The work prescribed in the service schedule must only be carried out in an authorized KTM workshop and confirmed in the **KTM Dealer.net**, as otherwise all warranty claims will be void. Damage or secondary damage caused by tampering with and/or conversions on the vehicle are not covered by the manufacturer warranty.

3.2 Fuel, auxiliary substances



Note

Environmental hazard Improper handling of fuel is a danger to the environment.

- Do not allow fuel to enter the groundwater, the soil, or the sewage system.

Use fuels and auxiliary substances in accordance with the Owner's Manual and specification.

3.3 Spare parts, technical accessories

For your own safety, only use spare parts and accessory products that are approved and/or recommended by KTM and have them installed by an authorized KTM workshop. KTM accepts no liability for other products and any resulting damage or loss.

Certain spare parts and accessory products are specified in parentheses in the descriptions. Your authorized KTM dealer will be glad to advise you.

The latest news **KTM PowerParts** on your vehicle can be found on the KTM website.

International KTM Website: KTM.COM

3.4 Service

A prerequisite for perfect operation and prevention of premature wear is that the service, care, and tuning work on the engine and chassis is properly carried out as described in the Owner's Manual. An incorrect suspension setting can lead to damage and breakage of chassis components.

Use of the vehicle under difficult conditions, such as dusty environments, heavy rain, high heat or with a heavy load, can lead to considerably more rapid wear of components such as the air filter, drive train, brake system, or suspension components. For this reason, it may be necessary to inspect or replace parts before the next scheduled service.

It is imperative that you adhere to the stipulated run-in times and service intervals. If you observe these exactly, you will ensure a much longer service life for your motorcycle.

The relevant mileage or time interval is whichever occurs first.

3.5 Figures

The figures contained in the manual may depict special equipment.

In the interest of clarity, some components may be shown disassembled or may not be shown at all. It is not always necessary to disassemble the component to perform the activity in question. Please follow the instructions in the text.

3.6 Customer service

Your authorized KTM dealer will be happy to answer any questions you may have on your vehicle and KTM.

A list of authorized KTM dealers can be found on the KTM website.

International KTM Website: KTM.COM

4.1 View of vehicle, front left (example)

A01126-10

- ① Combination instrument
- ② Clutch lever (☞ p. 14)
- ③ Front rider's seat
- ④ Passenger seat
- ⑤ Grab handles (☞ p. 19)
- ⑥ Seat lock (☞ p. 19)
- ⑦ Passenger foot pegs (☞ p. 19)
- ⑧ Side stand (☞ p. 20)
- ⑨ Shift lever (☞ p. 20)

4 VIEW OF VEHICLE

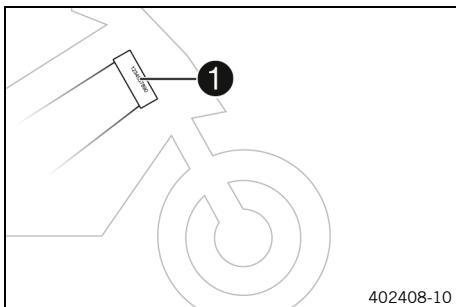
4.2 View of vehicle, rear right (example)



A01127-10

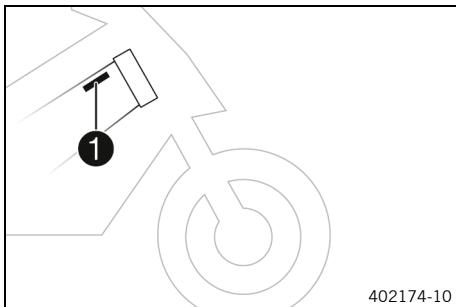
- ① Tool set (☞ p. 19)
- ② Light switch (☞ p. 15)
- ② Menu buttons (☞ p. 15)
- ② Turn signal switch (☞ p. 15)
- ② Horn button (☞ p. 15)
- ③ Ignition and steering lock (☞ p. 16)
- ④ Emergency OFF switch (☞ p. 16)
- ④ Start button (☞ p. 16)
- ⑤ Throttle grip (☞ p. 14)
- ⑥ Hand brake lever (☞ p. 14)
- ⑦ Vehicle identification number (☞ p. 13)
- ⑦ Type label (☞ p. 13)
- ⑧ Foot brake lever (☞ p. 20)

5.1 Vehicle identification number



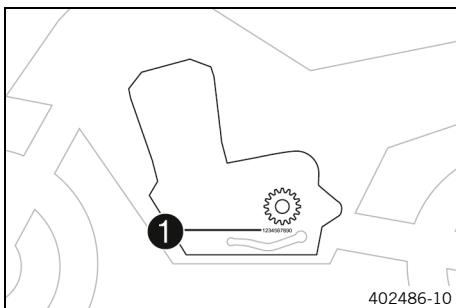
The vehicle identification number **1** is stamped on the right side of the steering head.

5.2 Type label



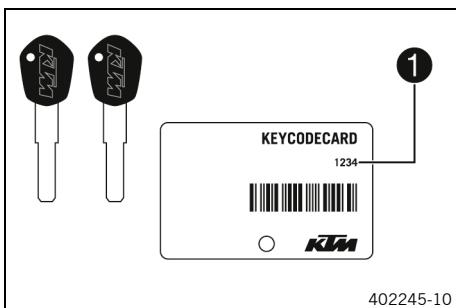
The type label **1** is on the right of the frame behind the steering head.

5.3 Engine number



The engine number **1** is stamped on the left side of the engine under the engine sprocket.

5.4 Key number



The key number **1** can be found on the **KEYCODECARD**.

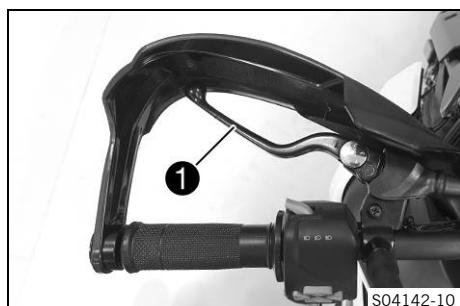


Info

The key number is needed to order a replacement key.
Keep the **KEYCODECARD** in a safe place.
If at least one ignition key is still available, a spare key can be produced. If an ignition key is no longer present, the entire lock system must be replaced.

6 CONTROLS

6.1 Clutch lever



The clutch lever 1 is fitted on the left side of the handlebar.

S04142-10

6.2 Hand brake lever



S04143-10

The hand brake lever 1 is fitted on the right side of the handlebar.

The front brake is engaged using the hand brake lever.

6.3 Throttle grip



S04143-11

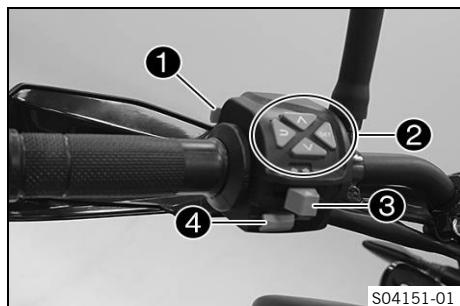
The throttle grip 1 is fitted on the right side of the handlebar.

6.4 Switches on the left side of the handlebar

6.4.1 Combination switch

The combination switch is fitted on the left side of the handlebar.

Overview of the left combination switch



S04151-01

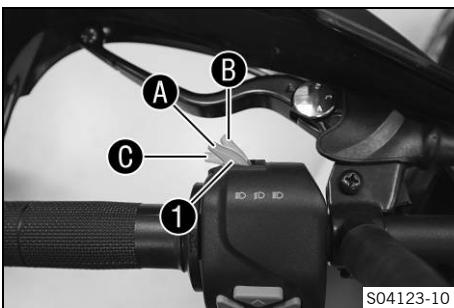
1 Light switch (☞ p. 15)

2 Menu buttons (☞ p. 15)

3 Turn signal switch (☞ p. 15)

4 Horn button (☞ p. 15)

6.4.2 Light switch

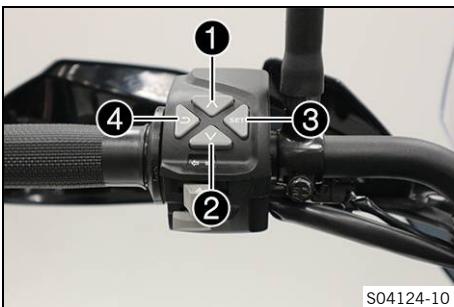


Light switch ① is fitted on the left side of the handlebar.

Possible states

	Low beam on – Light switch in position A. In this position, the low beam and the tail light are switched on.
	High beam on – Push the light switch to position B. In this position, the high beam and the tail light are switched on.
	Headlight flasher – Push the light switch into position C.

6.4.3 Menu buttons



The menu buttons are fitted in the middle of the left combination switch.

The menu buttons are used to control the display on the combination instrument.

Button ① is the **UP** button.

Button ② is the **DOWN** button.

Button ③ is the **SET** button.

Button ④ is the **BACK** button.

6.4.4 Turn signal switch

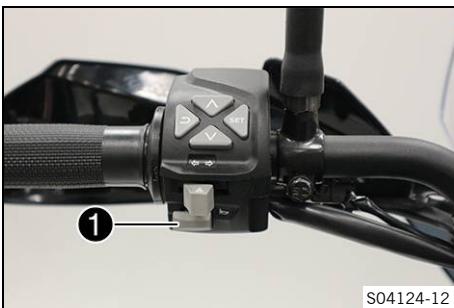


Turn signal switch ① is fitted on the left side of the handlebar.

Possible states

	Turn signal off – Turn signal switch pushed toward the switch housing.
	Left turn signal, on – Turn signal switch pressed to the left. The turn signal switch returns automatically to the central position after use.
	Right turn signal, on – Turn signal switch pressed to the right. The turn signal switch returns automatically to the central position after use.

6.4.5 Horn button



Horn button ① is fitted on the left side of the handlebar.

Possible states

- The horn button ① is in the basic position
- The horn button ① is pressed – The horn is operated in this position.

6 CONTROLS

6.5 Switches on the right side of the handlebar

6.5.1 Emergency OFF switch



The emergency OFF switch ① is fitted on the right side of the handlebar.

Possible states

	Emergency OFF switch off – In this position, the ignition circuit is interrupted, a running engine stops, and a non-running engine cannot be started.
	Emergency OFF switch on – This position is required for operation; the ignition circuit is closed.

6.5.2 Start button



Start button ① is fitted on the right side of the handlebar.

Possible states

- The start button ② is in the basic position
- The start button ③ is pressed – In this position, the starter motor is actuated.

6.6 Ignition and steering lock



The ignition and steering lock is located in front of the upper triple clamp.

Possible states

	Ignition off OFF – In this position, the ignition circuit is interrupted, a running engine stops, and a non-running engine will not start. The ignition key can be removed.
	Ignition on ON – In this position, the ignition circuit is closed and the engine can be started.
	Steering locked LOCK – In this position, the ignition circuit is interrupted and the steering locked. The ignition key can be removed.

6.7 Locking the steering

Note

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

- Park the vehicle on a firm and level surface.



400732-01

- Park the vehicle.
 - Turn the handlebar all the way to the left.
 - Insert the ignition key into the ignition and steering lock, press in, and turn to the left. Remove the ignition key.
- ✓ Steering is no longer possible.

◀

6.8 Unlocking the steering

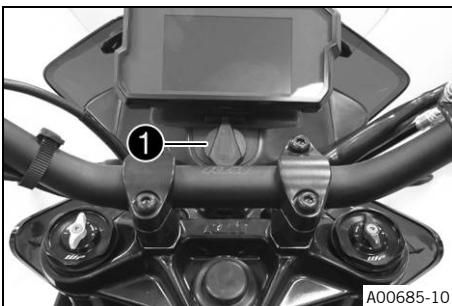


400731-01

- Insert the ignition key into the ignition and steering lock, press in, and turn to the right. Remove the ignition key.
- ✓ The handlebar can now be moved again.

◀

6.9 Socket for electrical accessories



A00685-10

Socket **1** for electrical accessories is fitted in front of the upper triple clamp.

It is connected to the ignition plus and is fuse-protected.

Socket for electrical accessories	
Voltage	12 V
Maximum current consumption	10 A

6.10 Opening fuel tank filler cap



Danger

Fire hazard Fuel is highly flammable.

The fuel in the fuel tank expands when warm and can escape if overfilled.

- Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.



Warning

Danger of poisoning Fuel is harmful to health.

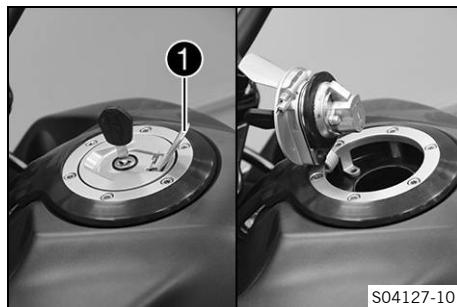
- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing if fuel spills on them.
- Keep fuels correctly in a suitable canister, and out of the reach of children.



Note

Environmental hazard Improper handling of fuel is a danger to the environment.

- Do not allow fuel to enter the groundwater, the soil, or the sewage system.



- Lift cover ① of the fuel tank filler cap and insert the ignition key into the lock.

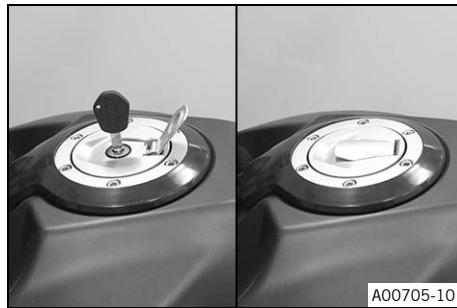
Note

Danger of damage The ignition key may break if overloaded.

Damaged ignition keys must be replaced.

- Push down on the fuel tank filler cap to take pressure off the ignition key.
- Turn the ignition key 90° clockwise.
- Lift the fuel tank filler cap.

6.11 Closing the fuel tank filler cap



Warning

Fire hazard Fuel is highly flammable and a health hazard.

- Check that the fuel tank filler cap is locked correctly after closing.
- Change your clothing if fuel spills on them.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.

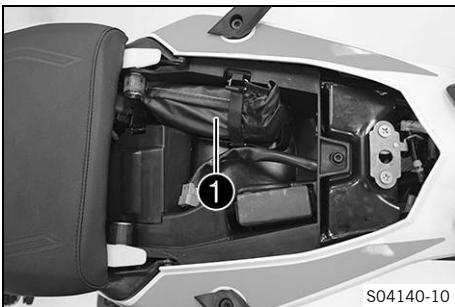
- Fold down the fuel tank filler cap.
- Turn the ignition key 90° clockwise.
- Push down the fuel tank filler cap and turn the ignition key counterclockwise until the fuel tank filler cap lock engages.
- Remove the ignition key and close the cover.

6.12 Seat lock



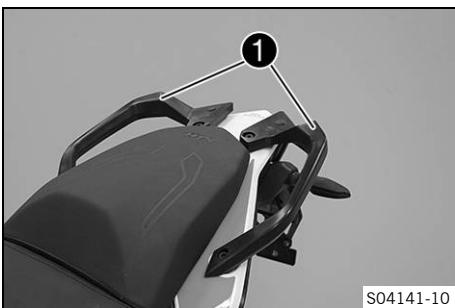
The seat lock 1 is located to the left of the seat.
The seat lock can be unlocked using the ignition key.

6.13 Tool set



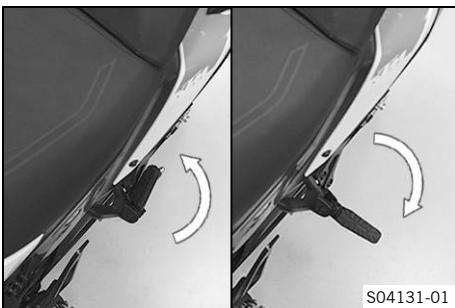
The tool set 1 is located under the passenger seat.

6.14 Grab handles



The grab handles 1 are used for moving the motorcycle around.
If you carry a passenger, the passenger can hold onto the grab handles during the trip.

6.15 Passenger foot pegs



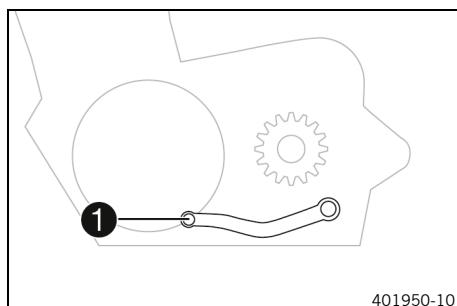
The passenger foot pegs can be folded up and down.

Possible states

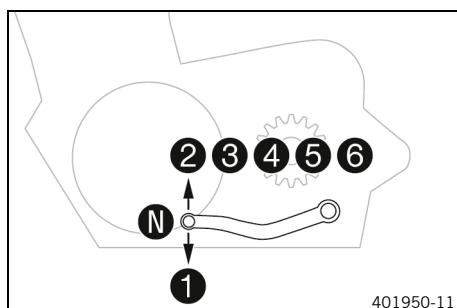
- Passenger foot pegs folded up – For operation without a passenger.
- Passenger foot pegs folded down – For operation with a passenger.

6 CONTROLS

6.16 Shift lever

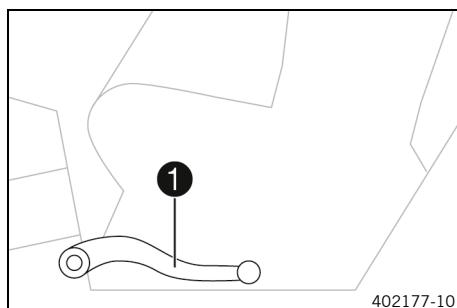


Shift lever ① is mounted on the left side of the engine.



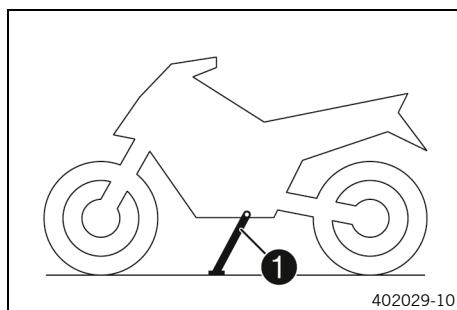
The gear positions can be seen in the photograph.
The neutral or idle position is between the first and second gears.

6.17 Foot brake lever



Foot brake lever ① is located in front of the right footrest.
The foot brake lever is used to activate the rear brake.

6.18 Side stand



The side stand ① is located on the left of the vehicle.
The side stand is used for parking the motorcycle.



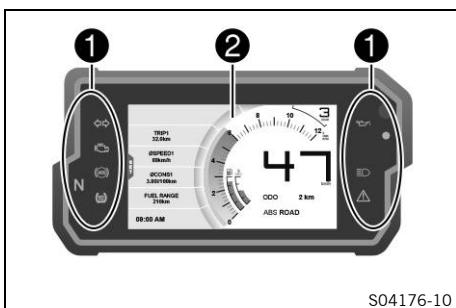
Info

The side stand must be folded up during motorcycle use.
The side stand is coupled with the safety starting system;
follow the riding instructions.

Possible states

- Side stand folded out – The vehicle can be supported on the side stand. The safety starting system is active.
- Side stand folded in – This position is mandatory when riding the motorcycle. The safety starting system is inactive.

7.1 Combination instrument



The combination instrument is attached in front of the handlebar.
The combination instrument is divided into two function areas.

1 indicator lamps (☞ p. 22)

Display **2**

7.2 Activation and test



Activation

The combination instrument is activated when the ignition is switched on.



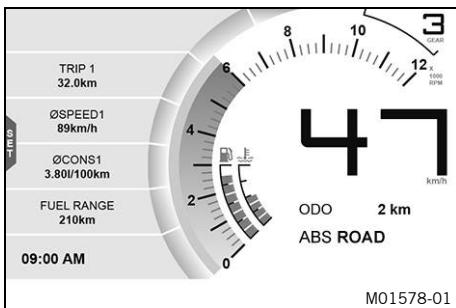
Info

The brightness of the displays is controlled by an ambient light sensor in the combination instrument.

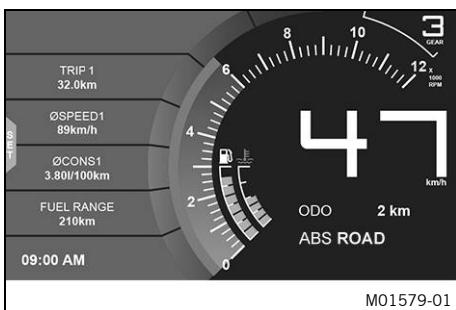
Test

The welcome text appears on the display and the indicator lamps are briefly activated for a function check.

7.3 Day-Night mode



Day mode is shown in a bright color.



Night mode is shown in a dark color.

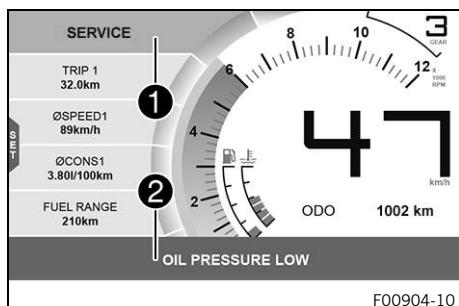


Info

The ambient light sensor in the combination instrument detects the brightness of the environment. Depending on the amount of light detected by the ambient light sensor, the display is brightened or dimmed, or switched to the other mode depending on the setting.

The display mode can be configured in the **Display Theme** menu. Here, you can select automatic day-night mode or permanent night mode.

7.4 Warnings



Warnings appear on the top and/or bottom edge of the display; these are marked yellow or red depending on their relevance.

Yellow warnings **1** indicate malfunctions or information which require prompt intervention or an adjustment to the riding style. Red warnings **2** indicate malfunctions or information which require immediate intervention.



Info

Warnings can be hidden by pressing any button.

All the existing warnings are displayed in the **Warning** menu until they are no longer active.

7.5 Indicator lamps



S04178-01

The indicator lamps offer additional information about the operating state of the motorcycle.

When the ignition is switched on, all indicator lamps light up briefly.



Info

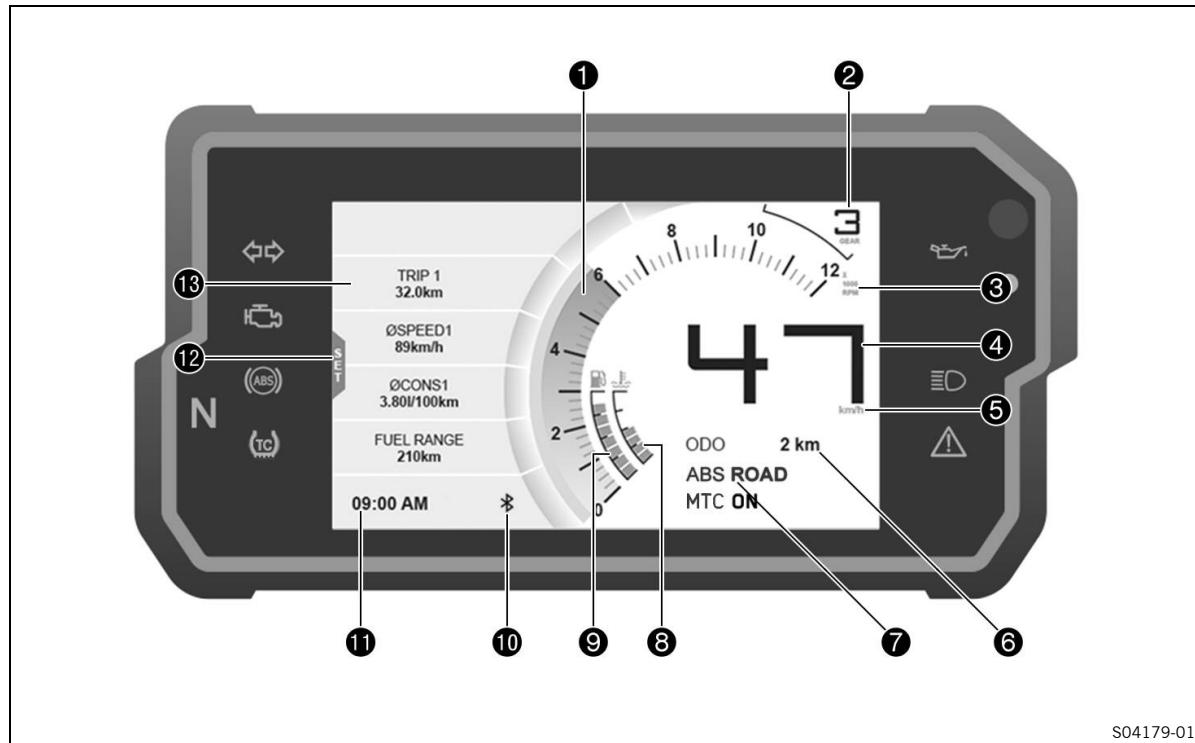
The malfunction indicator lamp always lights up as long as the engine is not running. If the engine is running and the malfunction indicator lamp lights up, stop (taking care not to endanger yourself or other road users in the process) and contact an authorized KTM workshop.

The oil pressure warning lamp always lights up as long as the engine is not running. If the engine is running and the oil pressure warning lamp lights up, stop immediately (taking care not to endanger yourself or other road users in the process) and switch off the engine.

The ABS warning lamp lights up until a speed of approx. 6 km/h (approx. 4 mph) or more has been reached.

Possible states

	The turn signal indicator lamp flashes green simultaneously with the turn signal – The turn signal is switched on.
	Malfunction indicator light lights up yellow – The OBD has detected a malfunction in the vehicle electronics. Come safely to a halt, and contact an authorized KTM workshop.
	The ABS warning lamp lights up yellow – Status or error messages relating to ABS.
	TC indicator lamp lights up yellow – MTC is not enabled or is currently intervening. The TC indicator lamp also lights up if a malfunction is detected. Contact an authorized KTM workshop. The TC indicator lamp flashes if MTC makes an active intervention.
	The idle indicator lamp lights up green – The transmission is in neutral.
	The oil pressure warning lamp lights up red – The oil pressure is too low. Stop immediately, taking care not to endanger yourself or other road users in the process, and switch off the engine.
	Alarm system indicator lamp flashes red – Status message on the alarm system (optional).
	The high beam indicator light lights up blue – The high beam is switched on.
	The general warning lamp lights up yellow – A note/warning note on operating safety has been detected. This is shown in addition.

7.6 Display

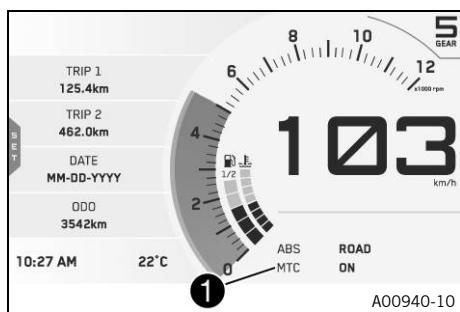
S04179-01

- ① Speed (km/h) p. 24
- ② Shift warning light (integrated in the tachometer display)
- ③ The shift warning light is integrated in the tachometer display.
- ④ Gear display

7 COMBINATION INSTRUMENT

- ③ Unit for the speed display
- ④ Speed (p. 25)
- ⑤ Unit for the speedometer
- ⑥ **ODO** display (p. 25)
- ⑦ ABS mode
- ⑧ Coolant temperature indicator (p. 26)
- ⑨ Fuel level display (p. 26)
- ⑩ **Bluetooth®** (optional)
- ⑪ Time (p. 27)
- ⑫ **SET**
Only shown where the menu overview is closed.
- ⑬ **Favourites** display (p. 27)

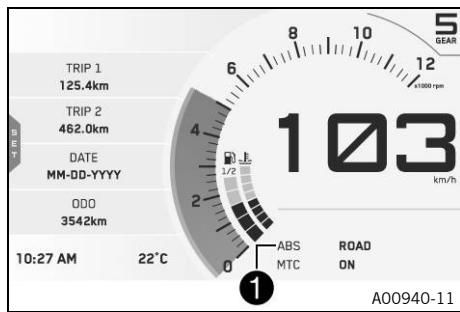
7.7 MTC display



The **1** area of the display indicates whether **MTC** is switched on or off.

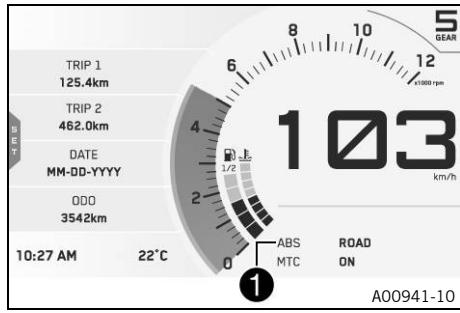
The motorcycle traction control can be switched on or off in the **MTC** submenu.

7.8 ABS display



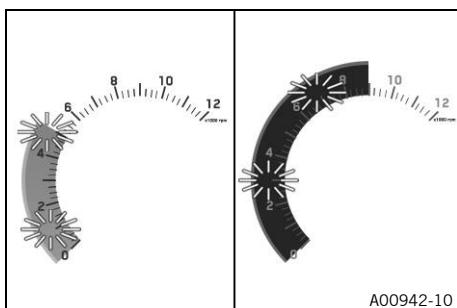
The ABS mode setting is shown in the **1** area of the display.
The ABS can be configured in the **ABS** submenu.

7.9 Speed



The speed **1** is measured in revolutions per minute.

7.10 Shift warning light



The shift warning light is integrated in the tachometer display. In the **Shift Light** menu, the engine speed for the shift warning light can be set. The shift warning light is always active during the running-in phase (up to 1,000 km / 621 mi). The shift warning light can only be deactivated, and the values for **RPM1** and **RPM2** can only be adjusted after this. In **RPM1** the shift warning light flashes and in **RPM2** it flashes and the color changes.



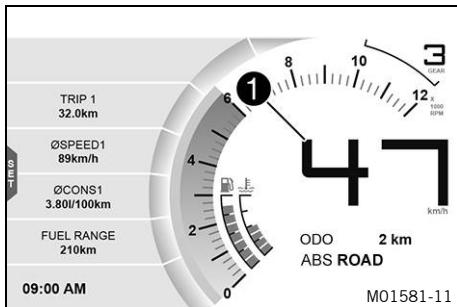
Info

In sixth gear, the shift warning light is deactivated when the engine is warm after the first service.

Coolant temperature	$\leq 35^{\circ}\text{C}$ ($\leq 95^{\circ}\text{F}$)
ODO	< 1,000 km (< 620 mi)
The shift warning light always flashes at	6,500 rpm

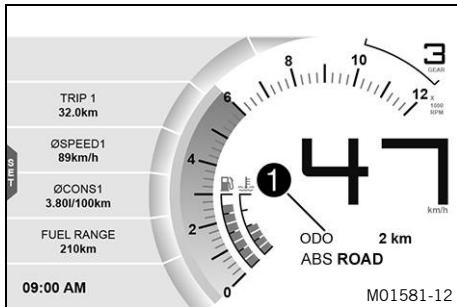
Coolant temperature	$> 35^{\circ}\text{C}$ ($> 95^{\circ}\text{F}$)
ODO	> 1,000 km (> 620 mi)
RPM1 shift warning light	flashes
RPM2 shift warning light	flashes and changes color

7.11 Speed



Speed **1** is shown in kilometers per hour **km/h** or in miles per hour **mph**.

7.12 ODO display



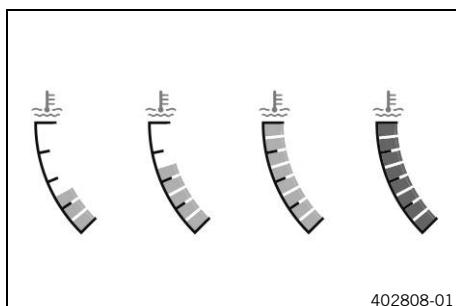
The total distance covered **ODO** is shown in area **1** of the display.



Info

This value is retained, even if the 12-V battery is disconnected from the vehicle or the fuse blows.

7.13 Coolant temperature indicator



The coolant temperature indicator consists of bars. The more bars that light up, the hotter the coolant.

Note

Engine failure Overheating damages the engine.

- If the coolant temperature warning is displayed, stop immediately and take care not to endanger yourself or other traffic participants in the process.
- Allow the engine and cooling system to cool down.
- Check and, if necessary, correct the coolant level on the cooling system while it is in a cooled state.



Info

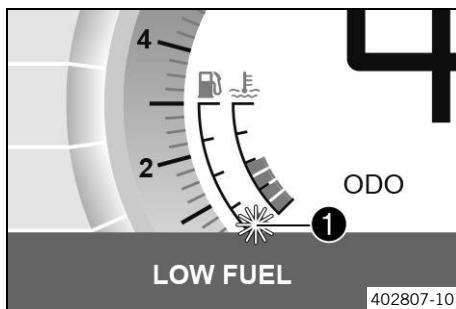
When all the bars light up, the warning **ENGINE TEMP HIGH** also appears.

If the cooling system overheats, the maximum engine speed is limited.

Possible states

- The engine is cold – Up to three bars light up.
- Engine warm – Four to five bars light up.
- Engine hot – Six to eight bars light up.
- Engine very hot – All eight bars light up red.

7.14 Fuel level display



The fuel tank contents are shown in area ① of the display.

The fuel level indicator consists of bars. The more bars are lit, the more fuel is in the fuel tank.



Info

If the fuel level is getting low, the last segment flashes red and the following warning also appears **LOW FUEL**.

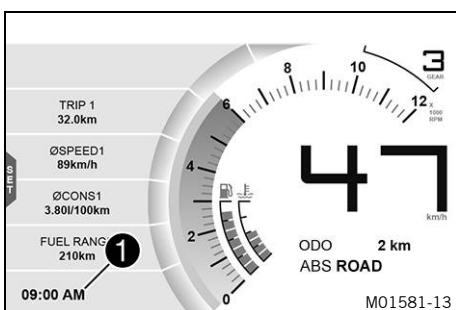
The fuel level is displayed with a slight delay to prevent the indicator from constantly moving while riding.

The fuel level display is not updated while the side stand is folded out or the emergency off switch is switched off.

Once the side stand is folded up and the emergency OFF switch is switched on, the fuel level display is next updated after 2 minutes.

The fuel level display flashes if the combination instrument does not receive a signal from the fuel level sensor.

7.15 Time



The time is shown in area ① of the display.

The time is displayed in 24 hour format in all languages except for EN-US. The time is displayed in 12 hour format if the language is set to EN-US.

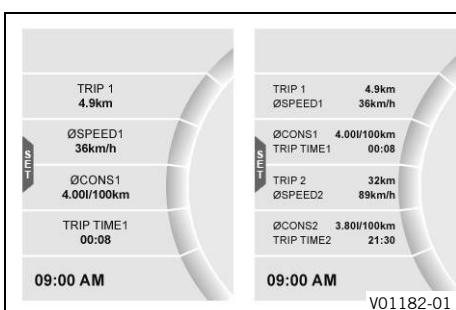
The time can be configured in the **Clock/Date** menu.



Info

The time must be reset if the 12-V battery was disconnected from the vehicle or the fuse was removed.

7.16 Favourites display



Up to eight items of information are shown in the **Favourites** display.

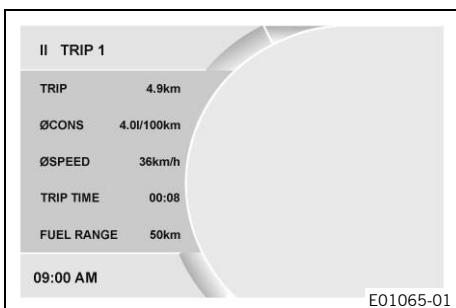
The **Favourites** display can be freely configured in the **Favourites** menu.



Info

One to four items of information selected are displayed on two lines. Five to eight items of information selected are displayed on a single line.

7.17 Quick Selector 1 display



When the menu is closed, the **Quick Selector 1** menu is opened by pressing the **UP** button.

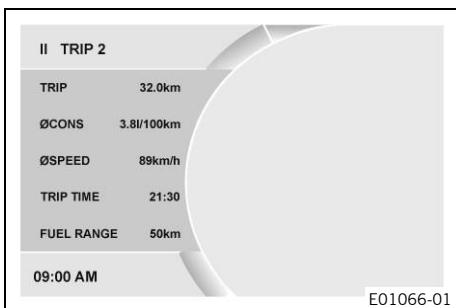
Press the **BACK** button to close **Quick Selector 1**.



Info

The **Quick Selector 1** can be configured in the **Quick Selector 1** menu. Any information can be selected.

7.18 Quick Selector 2 display



When the menu is closed, the **Quick Selector 2** menu is opened by pressing the **DOWN** button.

Press the **BACK** button to close **Quick Selector 2**.

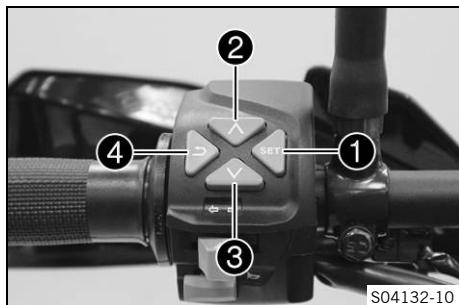


Info

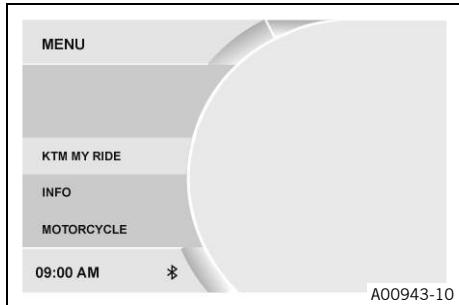
The **Quick Selector 2** can be configured in the **Quick Selector 2** menu. Any information can be selected.

7 COMBINATION INSTRUMENT

7.19 Menu



7.19.1 KTM MY RIDE (optional)



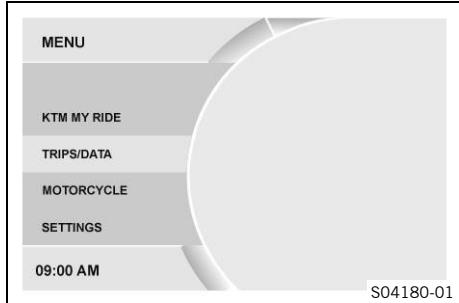
i Info

Press the **SET** button **1** in the start screen to open the menu.

Navigate through the menu using the **UP** button **2** or the **DOWN** button **3**.

Press the **BACK** button **4** to close the current menu or the menu overview.

7.19.2 Trips/Data



i Info

This function is only available if the vehicle has **Bluetooth®** hardware.

A suitable cellphone or headset can be paired with the combination instrument via **Bluetooth®** in the **KTM MY RIDE** menu.

i Info

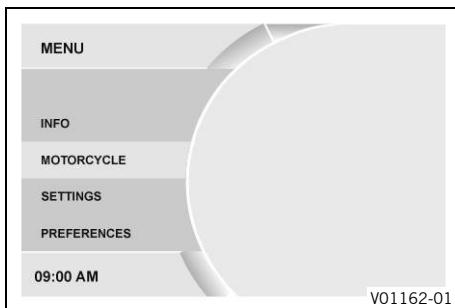
Not every cellphone and headset is suitable for pairing with the combination instrument.

The standard **Bluetooth®** 2.1 must be supported.

- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Trips/Data** is highlighted. Press the **SET** button to open the menu.

General information can be accessed in **Trips/Data**.

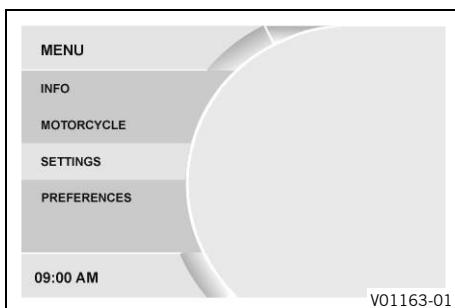
7.19.3 Motorcycle



- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Motorcycle** is highlighted. Press the **SET** button to open the menu.

The vehicle riding mode can be configured in **Motorcycle**.

7.19.4 Settings

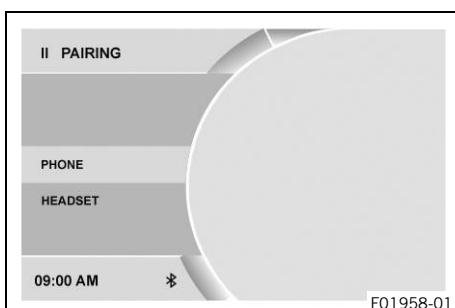


Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.

The combination instrument display can be configured in **Settings**. Settings can be made for units or various values. Several functions can be enabled or disabled. Favorites and quick selections can be configured.

7.19.5 Pairing (optional)



Condition

- The motorcycle is stationary.
- Function **KTM MY RIDE** (optional) activated.
- Function **Bluetooth®** (optional) activated.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **KTM MY RIDE** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Pairing** is highlighted. Press the **SET** button to open the menu.



Info

This function is only available if the vehicle has **Bluetooth®** hardware.

A suitable cellphone or headset can be paired with the combination instrument via **Bluetooth®** in the **Pairing** menu.



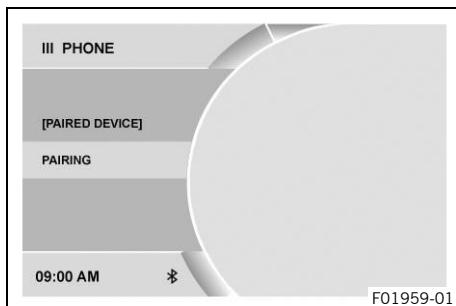
Info

The **Bluetooth®** function can only be used in conjunction with **KTM MY RIDE** (optional).

When the **Bluetooth®** function is switched on and the device is connected, the **Bluetooth®** symbol appears in the display of the combination instrument.

Not every cellphone and headset is suitable for pairing with the combination instrument.

7.19.6 Phone (optional)



Condition

- The motorcycle is stationary.
- Function **KTM MY RIDE** (optional) activated.
- Function **Bluetooth** (optional) activated.
- The **Bluetooth®** function should also be activated in the device to be paired.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **KTM MY RIDE** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Pairing** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Phone** is highlighted. Press the **SET** button to open the menu.



Info

This function is only available if the vehicle has **Bluetooth®** hardware.

Two cellphones can never be paired simultaneously with the combination instrument.

- Press the **UP** or **DOWN** button until **Pairing** is highlighted. Press the **SET** button to open the menu.
- The combination instrument starts searching for a suitable cellphone. If the search was successful, the name of the cellphone is displayed in the **Pairing** menu. Press the **SET** button to start the pairing.



Info

The cellphone must be visible via **Bluetooth®** for the cellphone to be found by the combination instrument.

- A message appears on the combination instrument indicating that this is now ready for pairing. The pairing is completed successfully by confirming the **Passkey** on the cellphone and on the combination instrument.



Info

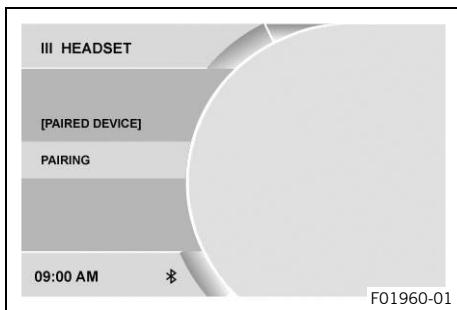
Once the pairing is completed, the registered trademark of the paired cellphone is displayed in the **Phone** menu.

Press the **UP** or **DOWN** button until the paired device is marked. The paired device can be deleted by pressing the **SET** button.

Not every cellphone is suitable for pairing with the combination instrument.

- Move the previously paired device into the range of the combination instrument while the **Bluetooth®** function is active.
 - ✓ The device is automatically paired with the combination instrument.
 - ✗ If the device is not automatically paired with the combination instrument after approx. 30 seconds:
 - Restart combination instrument or **Pairing** repeat procedure.

7.19.7 Headset (optional)



Condition

- The motorcycle is stationary.
- Function **KTM MY RIDE** (optional) activated.
- Function **Bluetooth** (optional) activated.
- The **Bluetooth®** function should also be activated in the device to be paired.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **KTM MY RIDE** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Pairing** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Headset** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Pairing** is highlighted. Press the **SET** button to open the menu.



Info

This function is only available if the vehicle has **Bluetooth®** hardware.

- The combination instrument starts searching for a suitable headset. If the search was successful, the name of the headset is displayed in the **Pairing** menu. Press the **SET** button to select the device. If a PIN code is required for the headset, this must be entered now. The pairing of a headset with the combination instrument is now completed.



Info

The headset must be in pairing mode for the headset to be found by the combination instrument. Follow the instructions in the headset owner's manual.

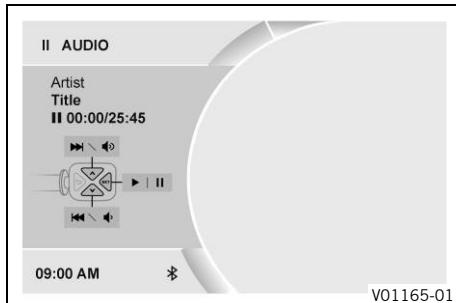
Once the pairing is completed, the name of the paired headset is displayed in the **Headset** menu.

Press the **UP** or **DOWN** button until the paired device is marked. The paired device can be deleted by pressing the **SET** button.

Not every headset is suitable for pairing with the combination instrument.

- Move the previously paired device into the range of the combination instrument while the **Bluetooth®** function is active.
 - ✓ The device is automatically paired with the combination instrument.
 - ✗ If the device is not automatically paired with the combination instrument after approx. 30 seconds:
 - Restart combination instrument or **Pairing** repeat procedure.

7.19.8 Audio (optional)



Condition

- Function **KTM MY RIDE** (optional) activated.
- Function **Bluetooth®** (optional) activated.
- The **Bluetooth®** function should also be activated in the device to be paired.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **KTM MY RIDE** is highlighted. Press the **SET** button to open the menu.



Warning

Danger of accidents Headphone volume which is too high distracts attention from traffic activity.

- Always select headphone volume which is low enough for you to still clearly hear acoustic signals.

- Press the **UP** or **DOWN** button until **Audio** is highlighted. Press the **SET** button to open the menu.



Info

This function is only available if the vehicle has **Bluetooth®** hardware.

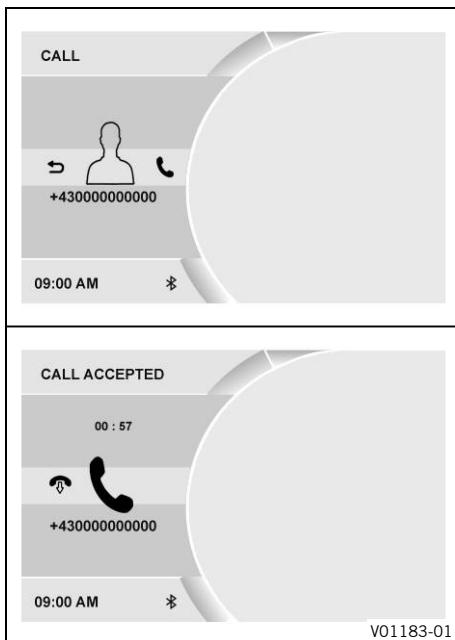
- Press and hold the **UP** button to increase the audio volume.
- Press and hold **DOWN** button to reduce the audio volume.
- Press the **UP** button briefly to change to the next audio track.
- Press the **DOWN** button briefly to change to the previous audio track.
- Press the **SET** button to play or pause the audio track.



Info

The audio function can be added to **Quick Selector 1** or **Quick Selector 2** for easier operation.

7.19.9 Telephony (optional)



Condition

- Function **KTM MY RIDE** activated (optional).
- **Bluetooth®** function is activated.
- The **Bluetooth®** function should also be activated in the device to be paired.
- Headset linked with appropriate cellphone.



Warning

Danger of accidents Headphone volume which is too high distracts attention from traffic activity.

- Always select headphone volume which is low enough for you to still clearly hear acoustic signals.

- Press the **SET** button to accept an incoming call.



Info

This function is only available if the vehicle has **Bluetooth®** hardware.

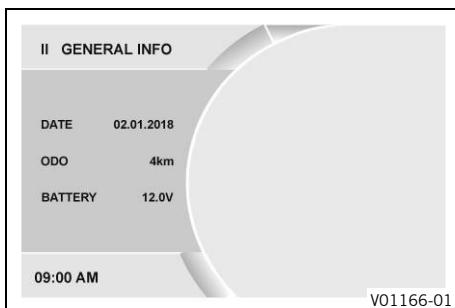
- Press the **BACK** button to reject an incoming call.



Info

The call duration and contact are displayed. Depending on the cellphone settings, the contact is shown by name.

7.19.10 General Info



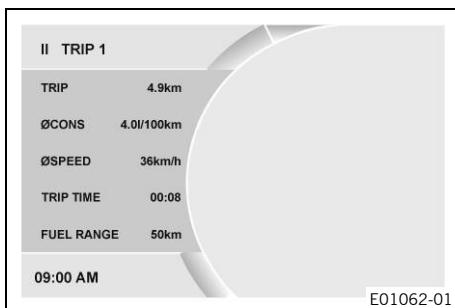
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Trips/Data** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **General Info** is marked. Press the **SET** button to open the menu.

Date shows the date.

ODO shows the total distance covered.

Battery indicates the battery voltage.

7.19.11 Trip 1



- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Trips/Data** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Trip 1** is marked. Press the **SET** button to open the menu.

Trip shows the distance since the last reset, such as between two refueling stops. **Trip** is running and counts up to **9999**.

ØCons indicates the average fuel consumption based on **Trip**.

ØSpeed indicates the average speed based on **Trip** and **Trip Time**.

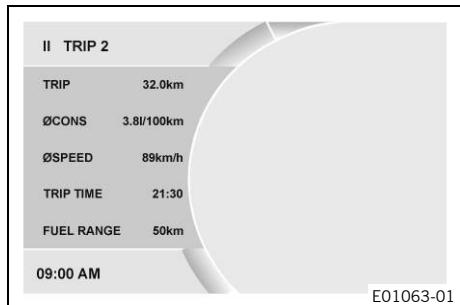
Trip Time shows the journey time on the basis of **Trip** and runs as soon as a speed signal is received.

Fuel Range indicates the possible distance you can cover with the fuel reserve.

7 COMBINATION INSTRUMENT

Press and hold the SET button for at least 3 seconds.	All the entries in the Trip 1 menu are reset.
--	--

7.19.12 Trip 2



- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Trips/Data** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Trip 2** is marked. Press the **SET** button to open the menu.

Trip shows the distance since the last reset, such as between two refueling stops. **Trip** is running and counts up to **9999**.

ØCons indicates the average fuel consumption based on **Trip**.

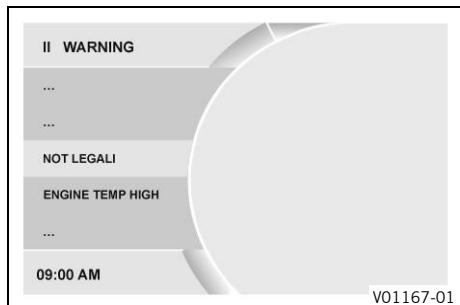
ØSpeed indicates the average speed based on **Trip** and **Trip Time**.

Trip Time shows the journey time on the basis of **Trip** and runs as soon as a speed signal is received.

Fuel Range indicates the possible distance you can cover with the fuel reserve.

Press and hold the SET button for at least 3 seconds.	All the entries in the Trip 2 menu are reset.
--	--

7.19.13 Warning

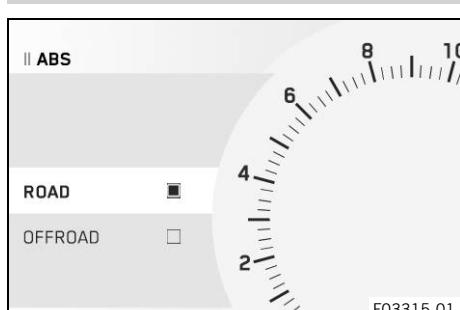


Condition

- Message or warning is present.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Trips/Data** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Warning** is marked. Press the **SET** button to open the menu.
- Use the **UP** or **DOWN** button to navigate through the warnings.

All the warnings that have occurred are displayed and stored in the **Warning** menu.

7.19.14 ABS



- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Motorcycle** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **ABS** is marked. Press the **SET** button to open the submenu.
- Activate menu item using the **UP** or **DOWN** button.

**Warning**

Danger of accidents An incorrectly selected ABS mode makes control of the vehicle considerably more difficult.

The ABS modes are each only suitable for certain conditions.

- Always select an ABS mode that is compatible with the surface of the ground.

- Press the **SET** button to select the desired ABS mode.

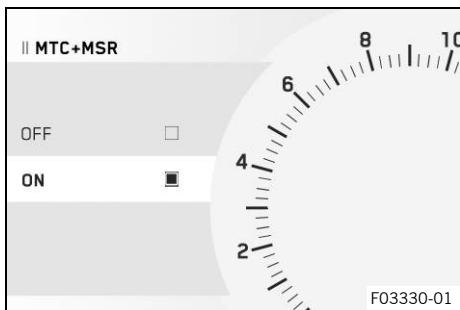
**Info**

The ABS mode can be switched during the journey.

Do not open the throttle during the selection.

When the ABS mode **Road** is active, ABS controls both wheels.

When the **Offroad** ABS mode is active, ABS only controls the front wheel. The rear wheel is not controlled by ABS and may lock during braking maneuvers.

7.19.15 MTC+MSR (optional)**Condition**

- Model with **MTC+MSR**.
- Cruise control system function (optional) deactivated.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Motorcycle** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **MTC+MSR** is marked. Press the **SET** button to open the menu.
- Activate menu item using the **UP** or **DOWN** button.
- Switch **MTC+MSR** on or off by pressing the **SET** button.

**Info**

Do not open the throttle when switching on or off.

Press the **SET** button briefly when activating the motorcycle traction control and the engine traction torque control.

Hold down the **SET** button when switching off the motorcycle traction control and engine traction torque control.

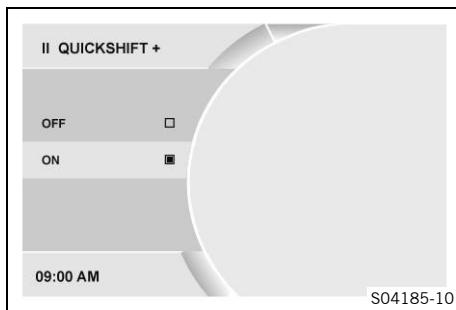
When ABS mode **Offroad** is active, the **MSR** is not active.

After the ignition is switched on, the motorcycle traction control and engine traction torque control are enabled again.

Press and hold the SET button for at least 3 seconds.	Switching off the motorcycle traction control and the engine traction torque control.
--	---

7 COMBINATION INSTRUMENT

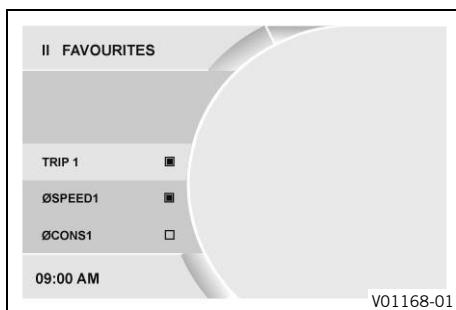
7.19.16 Quick Shift+ (optional)



Condition

- Model with Quickshifter+.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Motorcycle** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Quick Shift+** is marked. Press the **SET** button to open the submenu.
- Activate menu item using the **UP** or **DOWN** button.
- Press the **SET** button to switch quickshifter + (p. 50) button on or off.

7.19.17 Favourites

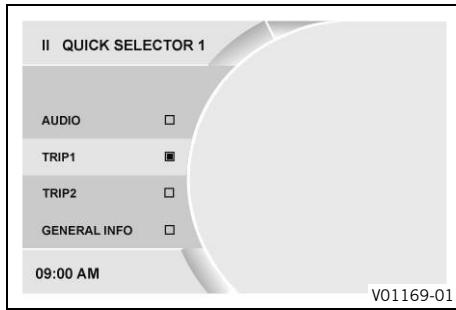


Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Favourites** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button to activate the menu item and select it with the **SET** button.

Up to eight items of information can be selected in the **Favourites** menu.

7.19.18 Quick Selector 1



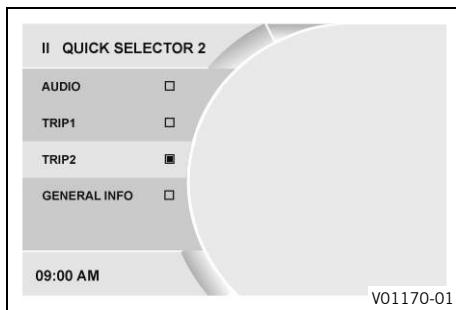
Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Quick Selector 1** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button to activate the menu item and select it with the **SET** button.

Information can be selected in the **Quick Selector 1** menu.

When the menu is closed, the **Quick Selector 1** menu is opened by pressing the **UP** button.

7.19.19 Quick Selector 2



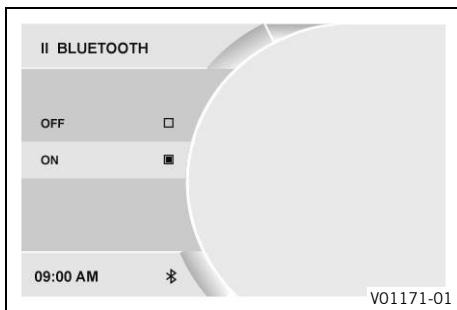
Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Quick Selector 2** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button to activate the menu item and select it with the **SET** button.

Information can be selected in the **Quick Selector 2** menu.

When the menu is closed, the **Quick Selector 2** menu is opened by pressing the **DOWN** button.

7.19.20 Bluetooth (optional)



Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Bluetooth** is highlighted. Press the **SET** button to open the menu.
- Activate the menu item using the **UP** or **DOWN** button.
- Press the **SET** button to switch the **Bluetooth®** function on or off.



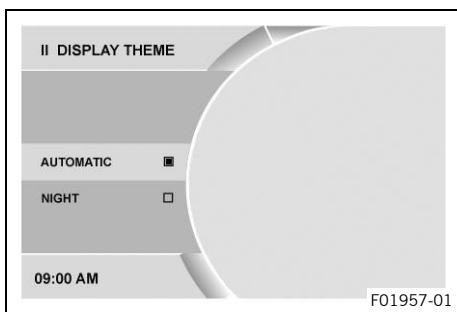
Info

This function is only available if the vehicle has **Bluetooth®** hardware.

The **Bluetooth®** function can only be used in conjunction with **KTM MY RIDE** (optional).

When the **Bluetooth®** function is switched on and the device is connected, the **Bluetooth®** symbol appears in the display of the combination instrument.

7.19.21 Display Theme



Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Display Theme** is highlighted. Press the **SET** button to open the menu.
- Activate the menu item using the **UP** or **DOWN** button.
- Press the **SET** button to set up automatic day-night mode or permanent night mode.

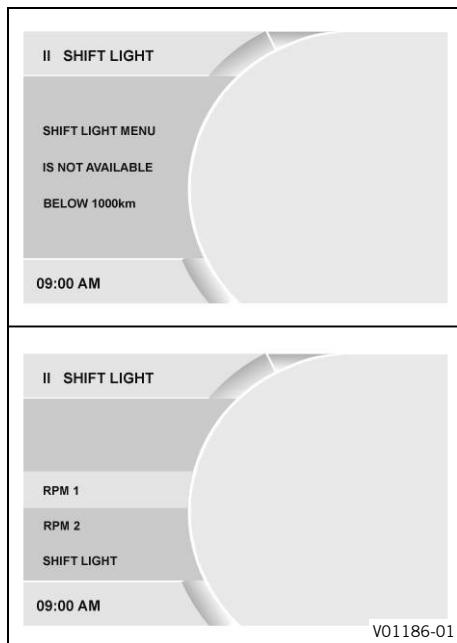


Info

In both modes, the background lighting is brightened or dimmed depending on the amount of light that the ambient light sensor detects.

7 COMBINATION INSTRUMENT

7.19.22 Shift Light



Condition

- The motorcycle is stationary.
- **ODO** > 1,000 km (621 mi).
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Shift Light** is highlighted. Press the **SET** button to open the menu.
- Activate the menu item using the **UP** or **DOWN** button.
- Switch the shift warning light on or off or set the engine speed for the gear shift recommendation by pressing the **SET** button.



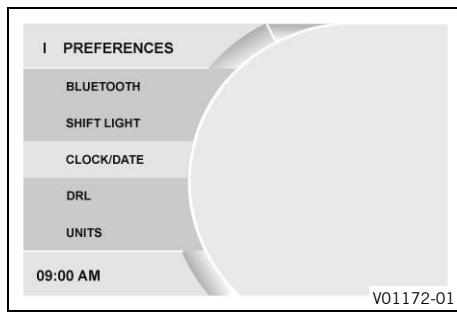
Info

When the engine speed reaches **RPM 1**, the engine speed display flashes red.
When the engine speed reaches **RPM 2**, the engine speed display flashes and the color changes.

7.19.23 Setting the time and date

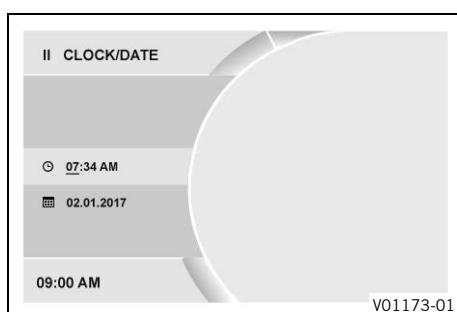
Condition

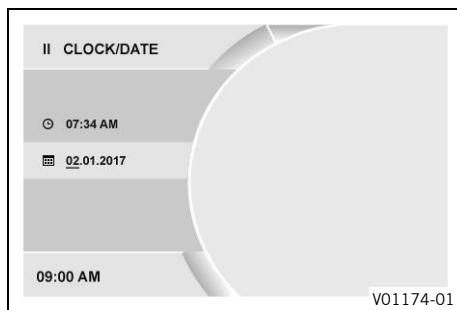
The motorcycle is stationary.



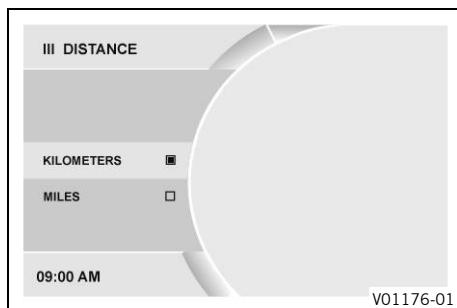
Setting the clock

- Press the **SET** button when the menu is closed.
- Press **UP** or **DOWN** button until **Preferences** appears. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Clock/Date** is highlighted. Press the **SET** button to open the menu.
- Press **UP** or **DOWN** button until the time is marked.
- Press the **SET** button.
 - ✓ The hour flashes and is underlined.
- Press **UP** or **DOWN** button until the current hour is set.
- Press the **SET** button.
 - ✓ The minutes flash and are underlined.
- Press **UP** or **DOWN** button until the current minute is set.
- Press the **SET** button.
 - ✓ The time is stored.

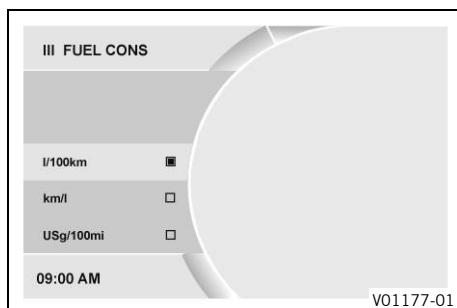


**Setting the date**

- Press **UP** or **DOWN** button until the date is marked.
- Press the **SET** button.
- ✓ The day flashes and is underlined.
- Press **UP** or **DOWN** button until the current day is set.
- Press the **SET** button.
- ✓ The month flashes and is underlined.
- Press **UP** or **DOWN** button until the current month is set.
- Press the **SET** button.
- ✓ The year flashes and is underlined.
- Press **UP** or **DOWN** button until the current year is set.
- Press the **SET** button.
- ✓ The date is stored.

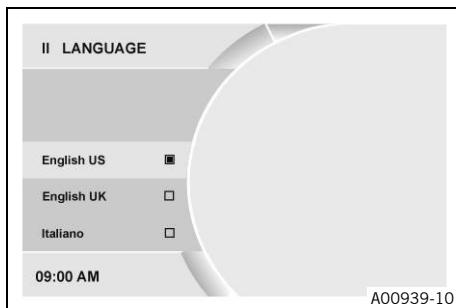
**7.19.24 Distance****Condition**

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Units** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Distance** is marked. Press the **SET** button to open the menu.
- Activate menu item using the **UP** or **DOWN** button.
- Press **SET** button to confirm the desired unit.

7.19.25 Fuel Cons**Condition**

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Units** is marked. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Fuel Cons** is marked. Press the **SET** button to open the menu.
- Activate menu item using the **UP** or **DOWN** button.
- Press **SET** button to confirm the desired unit.

7.19.26 Language

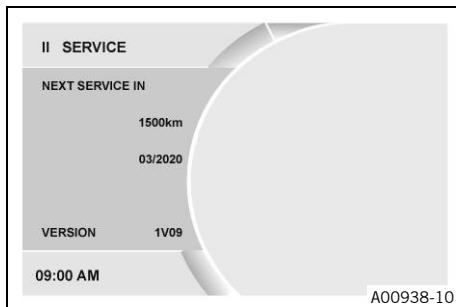


Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Language** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button to activate the menu item and select it with the **SET** button.

The menu languages are US English, UK English, German, Italian, French, and Spanish.

7.19.27 Service

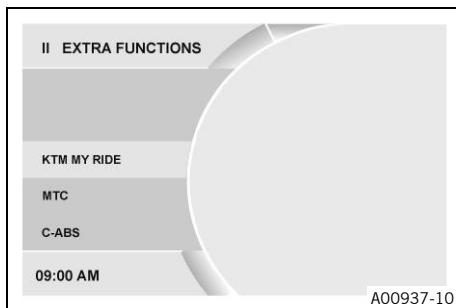


Condition

- The motorcycle is stationary.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Service** is highlighted. Press the **SET** button to open the menu.

The next service due is shown in the **Service** menu.

7.19.28 Extra Functions



Condition

- The motorcycle is stationary.
- Motorcycle with optional supplementary function.
- Press the **SET** button when the menu is closed.
- Press the **UP** or **DOWN** button until **Settings** is highlighted. Press the **SET** button to open the menu.
- Press the **UP** or **DOWN** button until **Extra Functions** is highlighted. Press the **SET** button to open the menu.
- Use the **UP** or **DOWN** button to navigate through the extra functions.

The optional extra functions are listed in **Extra Functions**.



Info

The current **KTM PowerParts** and the available software for your vehicle can be found on the KTM website.

8.1 Adjusting the handlebar position ↗

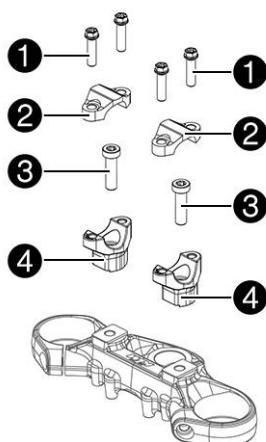


Warning

Danger of accidents A repaired handlebar poses a safety risk.

If the handlebar is bent or straightened, the material becomes fatigued. The handlebar may break as a result.

- Change the handlebar if the handlebar is damaged or bent.



S04167-10

- Remove screws ①.
- Take off the handlebar clamps ②. Take off the handlebar, place to one side and secure.



Info

Cover the components to protect them against damage.
Do not kink the cables and lines.

- Remove screws ③. Take off handlebar supports ④.
- Place handlebar supports ④ in the required position.



Info

The handlebar supports are longer and higher on one side.
Position the left and right handlebar supports evenly.

- Mount and tighten screws ③.

Guideline

Screw, handlebar support	M10	40 Nm (29.5 lbf ft)
--------------------------	-----	---------------------

- Position the handlebar.



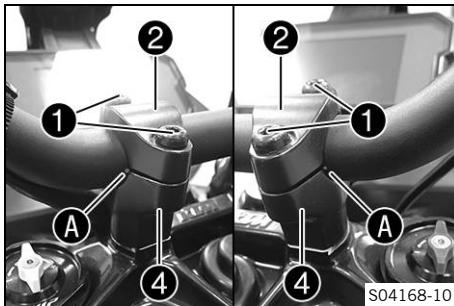
Info

Make sure the cables and wiring are positioned correctly.

- Position handlebar clamps ②.
- Mount screws ①, but do not tighten yet.
 - ✓ The markings A on the handlebar are aligned centrally to the handlebar support and handlebar clamp.
- First bolt the handlebar clamp with screws ① onto the longer, higher side of handlebar support ④ so that both parts touch.
- Tighten screws ① evenly.

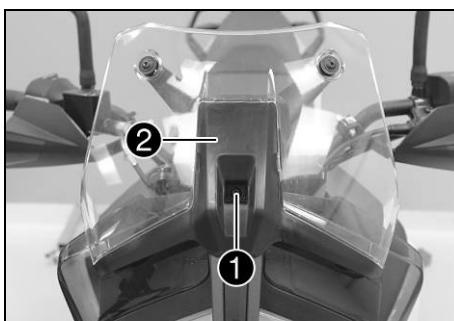
Guideline

Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)
------------------------	----	---------------------



S04168-10

8.2 Adjusting the windshield



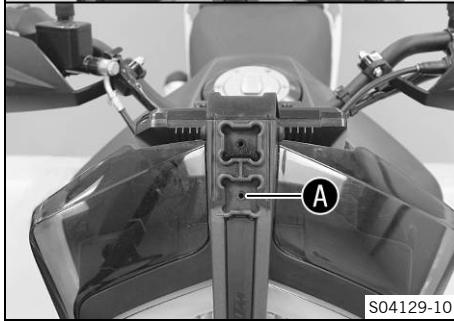
Condition

Low position

- Remove screw 1 and windshield 2.
- Position windshield 2 in lower recess A.
- Mount and tighten screw 1.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
------------------------------	----	-------------------



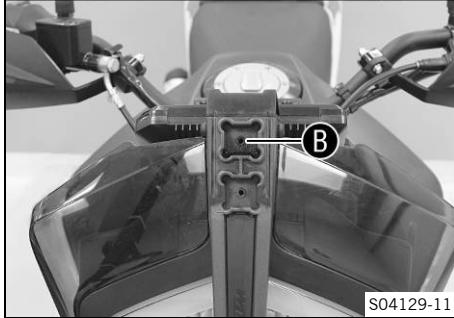
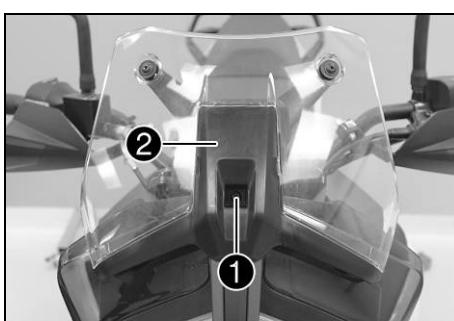
Condition

High position

- Remove screw 1 and windshield 2.
- Position windshield 2 in upper recess B.
- Mount and tighten screw 1.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
------------------------------	----	-------------------



8.3 Adjusting the basic position of the hand brake lever



- Adjust the basic position of the hand brake lever to your hand size by turning adjusting wheel 1.



Info

Push the hand brake lever forward and turn the adjusting wheel.

Do not make any adjustments while riding.

8.4 Adjusting the basic position of the clutch lever



- Adjust the basic position of the clutch lever to your hand size by turning adjusting wheel 1.

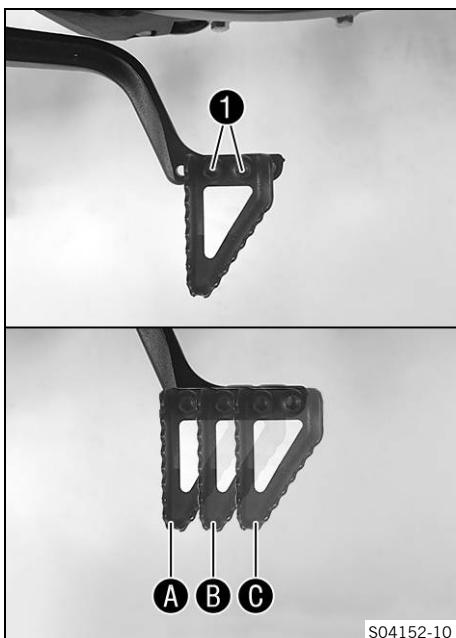


Info

Push the clutch lever forward and turn the adjusting wheel.

Do not make any adjustments while riding.

8.5 Adjusting foot brake lever stub



- Remove screws 1 with the foot brake lever stub.
- Move the foot brake lever stub into desired position A, B or C. Mount and tighten screws 1.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
------------------------------	----	-------------------

8.6 Adjusting the basic position of the foot brake lever

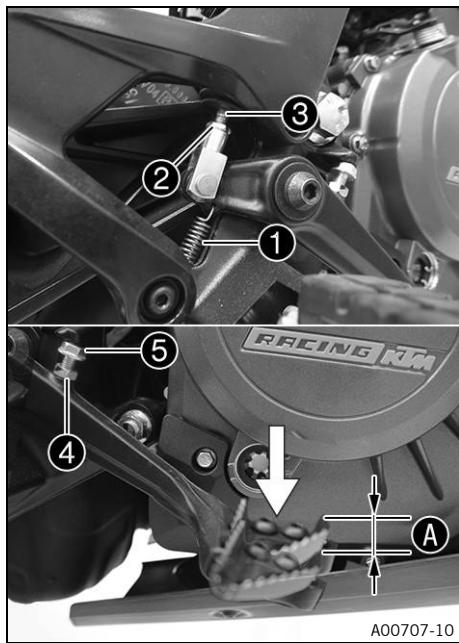


Warning

Danger of accidents The brake system fails in the event of overheating.

If there is no free travel on the foot brake lever, pressure builds up in the brake system on the rear brake.

- Set the free travel on the foot brake lever in accordance with the specification.



- Detach spring ①.
- Loosen nut ②.

i

Tip
Press the foot brake lever downwards to make this easier.

- Turn the push rod ③ to set the basic position of the foot brake lever.

i

Info
The range of adjustment is limited.
The screw must be screwed in by at least five full turns.
Screwing the push rod into the ball joint adjusts the foot brake lever downwards.
Screwing the push rod out of the ball joint adjusts the brake lever upwards.

- Loosen nut ④ and turn screw ⑤ correspondingly until the free travel A is present. If necessary, adjust the basic position of the foot brake lever.

Guideline

Free travel at foot brake lever	3 ... 5 mm (0.12 ... 0.2 in)
---------------------------------	------------------------------

- Hold screw ⑤ and tighten nut ④.

Guideline

Nut, foot brake lever adjustment	M6	10 Nm (7.4 lbf ft)
----------------------------------	----	--------------------

- Tighten nut ②.

Guideline

Nut, foot brake lever adjustment	M6	10 Nm (7.4 lbf ft)
----------------------------------	----	--------------------

i

Tip
Press the foot brake lever downwards to make this easier.

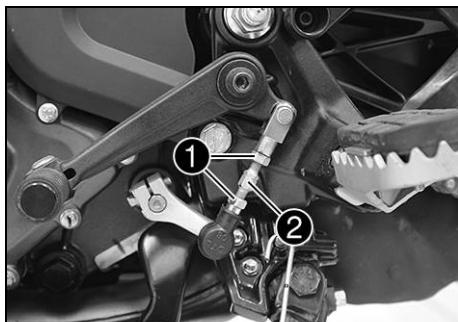
- Attach spring ①.

8.7 Adjusting the shift lever



Info

The adjustment range of the shift lever is limited.



- Loosen nuts 1.
- Adjust the shift lever by turning shift rod 2.

Guideline

Shift rod adjustment range A	83 ... 85 mm (3.27 ... 3.35 in)
Make equal adjustments on both sides.	

- Tighten nuts 1.

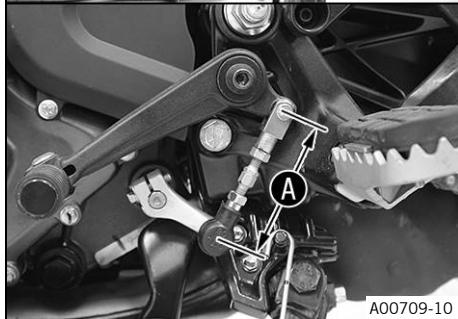
Guideline

Nut, shift rod	M6	6 Nm (4.4 lbf ft)
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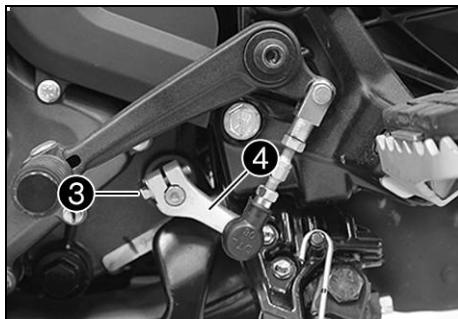


Info

After the nuts have been tightened, the bearings of the shift rod must be central and aligned identically to each other in order to ensure freedom of movement in the bearing shells.



A00709-10



- Loosen screw 3.
- Mount bell crank shift lever 4 on the shift shaft in the required position and engage the gearing.



Info

The basic position of the marking on the shift shaft and the shift bell crank is offset by two teeth.

- Tighten screw 3.

Guideline

Screw, shift lever linkage	M6	11 Nm (8.1 lbf ft) Loctite®243™
----------------------------	----	------------------------------------

- Check the shift lever to ensure it is functioning properly and can move freely.



A00710-10



9.1 Advice on preparing for first use



Danger

Danger of accidents A rider who is not fit to ride poses a danger to him or herself and others.

- Do not operate the vehicle if you are not fit to ride due to alcohol, drugs or medication.
 - Do not operate the vehicle if you are physically or mentally impaired.



Warning

Risk of injury Missing or poor protective clothing presents an increased safety risk.

- Wear appropriate protective clothing such as helmet, boots, gloves as well as trousers and a jacket with protectors on all rides.
 - Always wear protective clothing that is in good condition and meets the legal regulations.



Warning

Danger of crashing Different tire tread patterns on the front and rear wheel impair the handling characteristic.

Different tire tread patterns can make the vehicle significantly more difficult to control.

- Make sure that only tires with a similar tire tread pattern are fitted to the front and rear wheel.



Warning

Danger of accidents Non-approved or non-recommended tires and wheels impact the handling characteristic.

- Only use tires/wheels approved by KTM with the corresponding speed index.



Warning

Danger of accidents New tires have reduced road grip.

The contact surface on new tires is not yet roughened.

- Run in new tires with moderate riding and only gradually increase the lean angle.
Run-in distance 200 km (124 mi)



Info

When using the vehicle, remember that others may feel disturbed by excessive noise.

- Ensure that the pre-sales inspection work has been carried out by an authorized KTM workshop.
 - ✓ The delivery certificate is transferred upon vehicle handover.
 - Read the entire Owner's Manual before riding for the first time.
 - Get to know the controls.
 - Get used to the handling characteristic of the motorcycle on suitable terrain before undertaking a more challenging ride. Also, ride as slowly as possible to get a better feeling for the motorcycle.
 - Hold the handlebar firmly with both hands and keep your feet on the footrests when riding.
 - Run the engine in. ( p. 47)

9.2 Running in the engine

- During the running-in phase, do not exceed the specified engine speed.

Guideline

Maximum engine speed	
During the first: 1,000 km (620 mi)	7,500 rpm



Info

During the running-in phase, the shift warning light is set to a specified value and cannot be changed.

- Avoid fully opening the throttle!

9.3 Loading the vehicle



Warning

Danger of accidents Total weight and axle loads influence the handling characteristic.

The total weight consists of: operational motorcycle with a full tank, rider and, if necessary, a passenger with protective clothing and helmet, and, if necessary, mounted luggage.

- Do not exceed the maximum permissible overall weight or the axle loads.



Warning

Danger of accidents Improper mounting of cases, tank rucksacks or other luggage impairs the handling characteristics.

Luggage mounted incorrectly can slip while the vehicle is in motion.

- Mount and secure all luggage according to the manufacturer's instructions.
- Check that your luggage is fixed properly at regular intervals.



Warning

Danger of accidents The luggage system will be damaged if it is overloaded.

- Read the manufacturer information on maximum payload when mounting cases.



Warning

Danger of accidents Luggage which has slipped impairs visibility.

If the tail light is covered, you are less visible to traffic behind you, especially when it is dark.

- Check that your luggage is fixed properly at regular intervals.



Warning

Danger of accidents A high payload alters the handling characteristic and increases the stopping distance.

- Adapt your speed to your payload.

- If luggage is carried, ensure it is fixed firmly as close as possible to the center of the vehicle and ensure even weight distribution between the front and rear wheels.

- Do not exceed the maximum permissible weight and maximum permissible axle loads.

Guideline

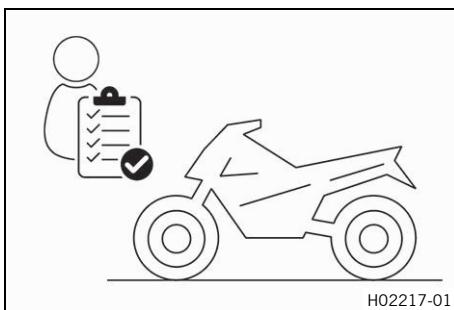
Maximum permissible overall weight	375 kg (827 lb.)
Maximum permissible front axle load	127 kg (280 lb.)
Maximum permissible rear axle load	275 kg (606 lb.)

10.1 Checks and maintenance measures when preparing for use



Info

Before every trip, check the condition of the vehicle and ensure that it is roadworthy. The vehicle must be in perfect technical condition when it is being operated.



H02217-01

- Check the engine oil level. (☞ p. 107)
- Check the front brake fluid level. (☞ p. 74)
- Check the rear brake fluid level. (☞ p. 78)
- Check that the brake linings of the front brake are secured. (☞ p. 76)
- Check that the brake linings of the rear brake are secured. (☞ p. 80)
- Check that the brake system is functioning properly.
- Check the coolant level. (☞ p. 100)
- Check for chain dirt accumulation. (☞ p. 65)
- Check the chain tension. (☞ p. 66)
- Check the tire condition. (☞ p. 88)
- Check tire pressure. (☞ p. 89)
- Check the settings of all controls and ensure that they can be operated smoothly.
- Check that the electrical system is functioning properly.
- Check that luggage is properly secured.
- Sit on the motorcycle and check the rear mirror setting.
- Check the fuel level.

10.2 Starting



Danger

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.



Caution

Danger of accidents Electronic components and safety devices will be damaged if the 12-V battery is discharged or missing.

If the 12-V battery is discharged or defective, malfunctions in the vehicle electronics can occur, especially when starting.

- Never operate the vehicle with a discharged 12-V battery or without a 12-V battery.

Note

Engine damage Unfiltered intake air has a negative effect on the service life of the engine.

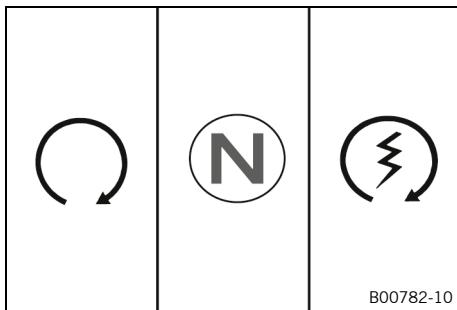
Dust and dirt will enter the engine without an air filter.

- Only operate the vehicle if it is equipped with an air filter.

Note

Engine damage High revving speed with a cold engine negatively impacts the lifespan of the engine.

- Always run the engine warm at a low speed.



- Unlock the steering. (☞ p. 17)
- Sit on the vehicle, take the weight off of the side stand, and move it all the way up with your foot.
- Turn the emergency OFF switch to the position ○.
- Switch on the ignition by turning the ignition key to the position ○.

Guideline

To avoid malfunctions in the control unit communication, do not switch the ignition off and on in rapid succession.

- ✓ After you switch on the ignition, you can hear the fuel pump working for about two seconds. The function check of the combination instrument is run at the same time.
- Shift the transmission into neutral.
- ✓ The green idle indicator lamp **N** lights up.
- ✓ The ABS warning light lights up and goes out again after starting off.
- Briefly press the start button ⚡.



Info

Do not press the start button until the combination instrument function check has finished.
Do not open the throttle to start.
If the starting attempt is unsuccessful, wait for 15 seconds before making another attempt at starting.
After 6 unsuccessful starting attempts, do not try again, and check the vehicle for other malfunctions instead.
This motorcycle is equipped with a safety starting system. You can only start the engine if the transmission is in neutral or if the clutch lever is pulled when a gear is engaged. If the side stand is folded out and you shift into gear and release the clutch lever, the engine stops.

10.3 Starting off

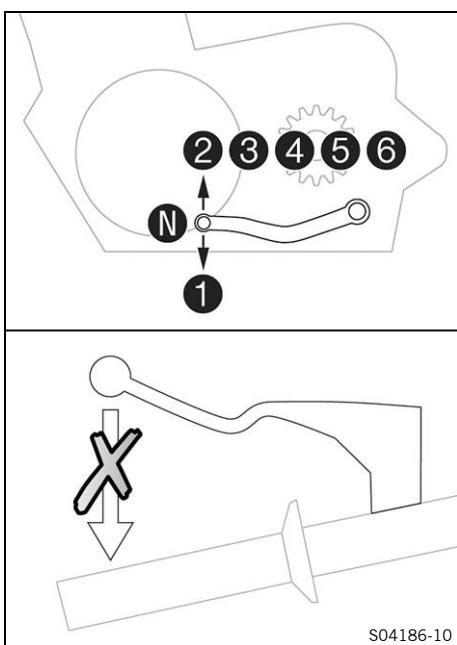
- Pull the clutch lever, shift into first-gear, release the clutch lever slowly and at the same time open the throttle carefully.



Tip

If the engine stalls while starting off, only pull the clutch lever and press the start button. The transmission must not be shifted into neutral.

10.4 Quickshifter + (optional)



If the quickshifter + is activated, you can shift up and down without actuating the clutch.

Because there is no need to close the throttle grip, uninterrupted gear shifts are possible.

The quickshifter + uses the shifter shaft position to check whether or not a shift should be initiated, and sends a corresponding signal to the engine control.

If the quickshifter + is disabled in the combination instrument, the clutch needs to be actuated in the normal way for each shift.

10.5 Shifting, riding



Warning

Danger of accidents Abrupt load alterations can cause the vehicle to get out of control.

- Avoid abrupt load alterations and sudden braking actions.
- Adapt your speed to the road conditions.



Warning

Danger of accidents If you change down at high engine speed, the rear wheel blocks and the engine races.

- Do not change into a low gear at high engine speed.



Warning

Danger of accidents An incorrect ignition key position causes malfunctions.

- Do not change the ignition key position while driving.



Warning

Danger of accidents Adjustments to the vehicle distract attention from traffic activity.

- Make all adjustments when the vehicle is at a standstill.



Warning

Risk of injury The passenger may fall from the motorcycle if they conduct themselves incorrectly.

- Ensure that the passenger sits correctly on the passenger seat, places his or her feet on the passenger foot pegs and holds on to the rider or the grab handles.
- Note the regulations governing the minimum age of passengers in your country.



Warning

Danger of accidents A risky riding style constitutes a major risk.

- Comply with traffic regulations and ride defensively and with foresight to detect sources of danger as early as possible.

**Warning****Danger of accidents** Cold tires have reduced road grip.

- Ride the first miles carefully on every journey at moderate speed until the tires reach operating temperature.

**Warning****Danger of accidents** New tires have reduced road grip.

The contact surface on new tires is not yet roughened.

- Run in new tires with moderate riding and only gradually increase the lean angle.

Run-in distance 200 km (124 mi)

**Warning****Danger of accidents** Improper mounting of cases, tank rucksacks or other luggage impairs the handling characteristics.

Luggage mounted incorrectly can slip while the vehicle is in motion.

- Mount and secure all luggage according to the manufacturer's instructions.
- Check that your luggage is fixed properly at regular intervals.

**Warning****Danger of accidents** A fall can damage the vehicle more seriously than it may first appear.

- Check the vehicle after a fall as you do when preparing for use.

Note**Engine failure** Overheating damages the engine.

- If the coolant temperature warning is displayed, stop immediately and take care not to endanger yourself or other traffic participants in the process.
- Allow the engine and cooling system to cool down.
- Check and, if necessary, correct the coolant level on the cooling system while it is in a cooled state.

Note**Transmission damage** Incorrect use of the quickshifter + will damage the transmission.

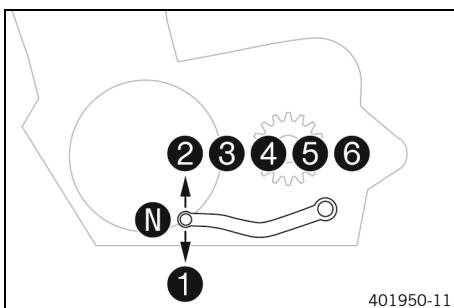
The quickshifter + can only be used if the function is enabled in the combination instrument.

The quickshifter + is not active if you pull the clutch lever.

- Only use the quickshifter + in the permitted speed range shown.

**Info**

If unusual noises occur while riding, stop immediately (taking care not to endanger yourself or other road users in the process), switch off the engine and contact an authorized KTM workshop.



- Shift into a higher gear when conditions allow (incline, road situation, etc.).
- Release the throttle while simultaneously pulling the clutch lever, shift into the next gear, release the clutch lever, and open the throttle.

**Info**

The gear positions can be seen in the figure. The idle position is between the first and second gears. First gear is used for starting off or for steep inclines.

- After reaching maximum speed by fully opening the throttle grip, turn the throttle back so it is $\frac{3}{4}$ open. This will barely

reduce the speed, but fuel consumption will be considerably lower.

- Accelerate only up to a speed suitable for the road surface and weather conditions. Particularly in bends, do not shift, and accelerate very carefully.
- Brake if necessary and close the throttle at the same time in order to shift down.
- Pull clutch lever and shift into a lower gear, release the clutch lever slowly, and open the throttle or shift again.
- Switch off the engine if you are likely to be running at idle speed or stationary for a long time.
- If the engine stalls (e.g. at an intersection), just pull the clutch lever and press the start button. The transmission must not be shifted into neutral.
- If the oil pressure warning lamp  lights up during a trip, stop as soon as it is safe to do so and switch off the engine. Contact an authorized KTM workshop.
- If the malfunction indicator lamp  lights up during a trip, please contact an authorized KTM workshop as soon as possible.
- If the general warning lamp  lights up during a trip, an operating safety (warning) message was detected.



Info

All warnings which have occurred are displayed and stored in the **Warning** menu until these are no longer active.

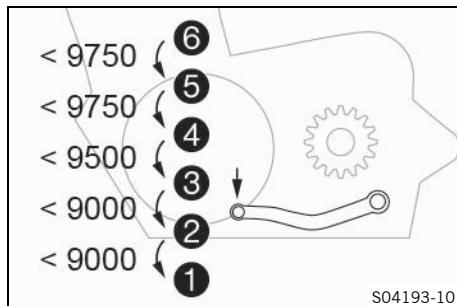
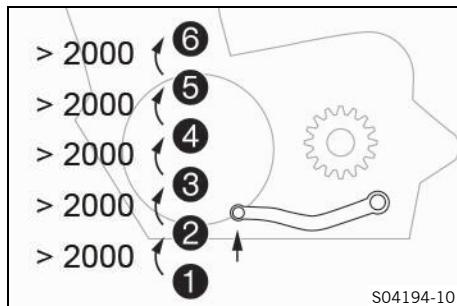
- If the quickshifter + (optional) is enabled in the combination instrument, you can shift up in the speed range shown without pulling the clutch lever.



Info

The minimum engine speed before shifting up in revolutions per minute is shown in the figure.

Pull the shift lever quickly back to the stop without changing the throttle twist grip position.



- If the quickshifter + (optional) is enabled in the combination instrument, you can shift down in the speed range shown without pulling the clutch lever.



Info

The maximum engine speed before shifting down in revolutions per minute is shown in the figure.

Depress the shift lever quickly back to the stop without changing the throttle twist grip position.

10.6 Applying the brakes



Warning

Danger of accidents Moisture and dirt impair the brake system.

- Brake carefully several times to dry out and remove dirt from the brake linings and the brake discs.



Warning

Danger of accidents A spongy pressure point on the front or rear brake reduces braking efficiency.

- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized KTM workshop will be glad to help.)



Warning

Danger of accidents The brake system fails in the event of overheating.

If the foot brake lever is not released, the brake linings drag continuously.

- Take your foot off the foot brake lever if you do not want to brake.



Warning

Danger of accidents Higher total weight increases the stopping distance.

- Take the longer stopping distance into account when carrying a passenger or luggage with you.



Warning

Danger of accidents Salt on the roads impairs the brake system.

- Brake carefully several times to remove salt from the brake linings and the brake discs.



Warning

Danger of accidents ABS may increase the stopping distance in certain situations.

- Adjust application of the brakes to the respective riding situation and riding surface conditions.

- When braking, release the throttle and apply the front and rear brakes at the same time.



Info

When the ABS is enabled, maximum braking power can be achieved even with low road grip surfaces such as sandy, wet, or slippery terrain without locking the wheels.



Warning

Danger of accidents The rear wheel can lock due to the engine braking effect.

- Pull in the clutch, if you perform emergency or full braking, or if you brake on a slippery ground.



Warning

Danger of accidents Banked or laterally sloping ground reduces the maximum possible delay.

- If possible finish braking before going into a bend.

- Always finish braking before you go into a bend. Shift down to a lower gear appropriate to your speed.
- Use the braking effect of the engine on long downhill stretches. Shift back one or two gears, but do not over-rev the engine when doing so. This means that significantly less braking is required and the brake system does not overheat.

10.7 Stopping, parking



Warning

Risk of injury People who act without authorization endanger themselves and others.

- Do not leave the vehicle unattended if the engine is running.
- Protect the vehicle against access by unauthorized persons.
- Lock the steering and remove the ignition key if you leave the vehicle unattended.



Warning

Danger of burns Some vehicle components become hot when the vehicle is operated.

- Do not touch any parts such as the exhaust system, radiator, engine, damper, or brake system before the vehicle parts have cooled down.
- Let the vehicle parts cool down before you perform any work on the vehicle.

Note

Material damage The vehicle may be damaged by incorrect procedure when parking.

Significant damage may be caused if the vehicle rolls away or falls over.

The components for parking the vehicle are designed only for the weight of the vehicle.

- Park the vehicle on a firm and level surface.
- Ensure that nobody sits on the vehicle when the vehicle is parked on a stand.

Note

Fire hazard Hot vehicle components pose a fire hazard and explosion risk.

- Do not park the vehicle near to materials which are highly flammable or explosive.
- Allow the vehicle to cool down before covering it.
- Apply the brakes on the motorcycle.
- Shift the transmission into neutral.
- Switch off the ignition by turning the ignition key to the position .



Info

If the engine is switched off with the emergency OFF switch and the ignition remains switched on in the ignition lock, the power supply to most electrical power consumers remains uninterrupted and this discharges the 12-V battery. You should therefore always switch off the engine with the ignition lock – the emergency OFF switch is intended for emergencies only.

- Park the motorcycle on a firm surface.
- Swing side stand forward with your foot as far as it will go and lean the vehicle on it.
- Lock the steering. ( p. 16)

10.8 Transport

Note

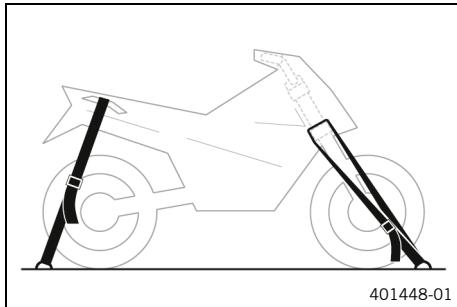
Danger of damage The parked vehicle can roll away or fall over.

- Park the vehicle on a firm and level surface.

Note

Fire hazard Hot vehicle components pose a fire hazard and explosion risk.

- Do not park the vehicle near to materials which are highly flammable or explosive.
- Allow the vehicle to cool down before covering it.



- Switch off the engine and remove the ignition key.
- Use tension belts or other suitable devices to secure the motorcycle against accidents or falling over.

10.9 Refueling



Danger

Fire hazard Fuel is highly flammable.

The fuel in the fuel tank expands when warm and can escape if overfilled.

- Do not fuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.



Warning

Danger of poisoning Fuel is harmful to health.

- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing if fuel spills on them.

Note

Material damage Inadequate fuel quality causes the fuel filter to quickly become clogged.

In some countries and regions, the available fuel quality and cleanliness may not be sufficient. This will result in problems with the fuel system.

- Refuel only with clean fuel that meets the specified standards. (Your authorized KTM workshop will be glad to help.)

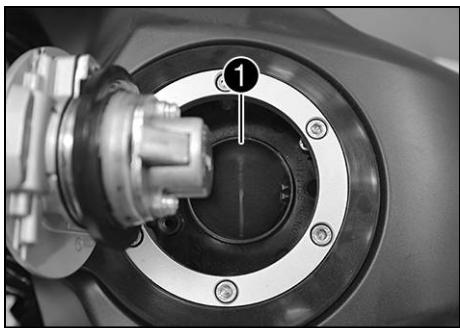


Note

Environmental hazard Improper handling of fuel is a danger to the environment.

- Do not allow fuel to enter the groundwater, the soil, or the sewage system.

10 RIDING INSTRUCTIONS



- Switch off the engine.
- Open fuel tank filler cap. (☞ p. 17)
- Fill the fuel tank with fuel up to the lower edge **1** of the fuel filler.

Total fuel tank capacity, approx.	14.5 l (3.83 US gal)	Super unleaded (ROZ 95) (☞ p. 128)
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- Close the fuel tank filler cap. (☞ p. 18)

E10

E5

S04133-10

11.1 Additional information

Any further work that results from the service work must be ordered separately and invoiced separately.

Different service intervals may apply in your country, depending on the local operating conditions.

Individual service intervals and scopes may change in the course of technical developments. The most up-to-date service schedule can always be found on KTM Dealer.net. Your authorized KTM dealer will be happy to advise you.

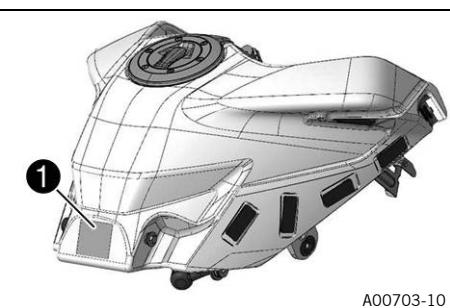
11.2 Service work

	every 48 months	every 24 months	every 12 months	every 15,000 km (9,300 mi)	every 7,500 km (4,650 mi)	after 1,000 km (620 mi)
Read out the fault memory using the KTM diagnostics tool. 	<input type="radio"/>	<input checked="" type="radio"/>				
Program the shift shaft sensor. 	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check that the electrical system is functioning properly. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check that the brake linings of the front brake are secured. (☞ p. 76)	<input type="radio"/>	<input checked="" type="radio"/>				
Check that the brake linings of the rear brake are secured. (☞ p. 80)	<input type="radio"/>	<input checked="" type="radio"/>				
Check the brake discs. (☞ p. 74)	<input type="radio"/>	<input checked="" type="radio"/>				
Check the brake lines for damage and leakage. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the front brake fluid level. (☞ p. 74)	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Change the front brake fluid. 						<input checked="" type="radio"/>
Check the rear brake fluid level. (☞ p. 78)	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Change the rear brake fluid. 						<input checked="" type="radio"/>
Change the engine oil and the oil filter, clean the oil screens.  (☞ p. 107)	<input type="radio"/>	<input checked="" type="radio"/>				
Check all hoses (e.g. fuel, cooling, bleeder, drainage hoses, etc.) and sleeves for cracking, tightness, and correct routing. 	<input type="radio"/>	<input checked="" type="radio"/>				
Empty the drainage hoses. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the cables for damage and routing without sharp bends. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the frame. 			<input checked="" type="radio"/>			
Check the link fork. 			<input checked="" type="radio"/>			
Check the fork bearing for play. 		<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check the steering head bearing for play. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the wheel bearing for play. 		<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check the shock absorber and fork for leaks. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the tire condition. (☞ p. 88)	<input type="radio"/>	<input checked="" type="radio"/>				
Check tire pressure. (☞ p. 89)	<input type="radio"/>	<input checked="" type="radio"/>				
Check the rim run-out.  (Option: Wire spoked wheels)	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Retighten the spokes. (Option: Wire spoked wheels) 	<input type="radio"/>					
Check the spoke tension. (Option: Wire spoked wheels) (☞ p. 90)		<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check the chain, rear sprocket, and engine sprocket. (☞ p. 68)		<input checked="" type="radio"/>				
Check the chain tension. (☞ p. 66)	<input type="radio"/>	<input checked="" type="radio"/>				
Grease all moving parts (e.g. side stand, hand lever, chain, etc.) and check for smooth operation. 	<input type="radio"/>	<input checked="" type="radio"/>				

	every 48 months	every 24 months	every 12 months	every 15,000 km (9,300 mi)	every 7,500 km (4,650 mi)	after 1,000 km (620 mi)
Check that the throttle cables are undamaged, routed without sharp bends, and set correctly. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the valve clearance, change the spark plug. 			<input checked="" type="radio"/>			
Change the air filter, clean the air filter box. 		<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check the headlight setting. ( p. 97)	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check the tightness of the safety-relevant screws and nuts which are easily accessible. 	<input type="radio"/>	<input checked="" type="radio"/>				
Clean the dust boots of the fork legs. ( p. 63)		<input checked="" type="radio"/>	<input checked="" type="radio"/>			
Check that the radiator fan is functioning properly. 	<input type="radio"/>	<input checked="" type="radio"/>				
Check the coolant level. ( p. 100)	<input type="radio"/>	<input checked="" type="radio"/>				
Checking the antifreeze. 		<input checked="" type="radio"/>	<input checked="" type="radio"/>			<input checked="" type="radio"/>
Change the coolant.  ( p. 103)						<input checked="" type="radio"/>
Final check: Final check: Check the vehicle for safe operation and take a test ride. 	<input type="radio"/>	<input checked="" type="radio"/>				
Read out the error memory after the test ride using the KTM diagnostics tool. 	<input type="radio"/>	<input checked="" type="radio"/>				
Set the service interval display. 	<input type="radio"/>	<input checked="" type="radio"/>				
Make a service entry in KTM Dealer.net . 	<input type="radio"/>	<input checked="" type="radio"/>				

- One-time interval
- Periodic interval

12.1 Fork/shock absorber (EU/JP/UK/AR/CO)



The fork and the shock absorber offer many options for adapting the chassis to the riding style and the payload.



Info

The recommendations for the suspension setting are shown in table ①. The table is located on the fuel tank and is covered by the seat when the motorcycle is ready to ride.

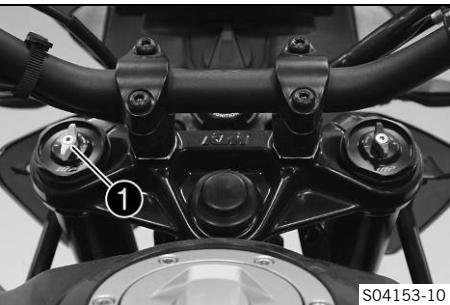
These adjustments should be understood as a guideline and should always be the basis for one's personal suspension setting. Do not change the adjustments at random, as otherwise the riding characteristics could deteriorate, particularly at high speeds.

12.2 Adjusting the compression damping of the fork (EU/JP/UK/AR/CO)



Info

The hydraulic compression damping determines the fork suspension behavior.



- Turn adjuster ① clockwise all the way to the stop.



Info

Adjuster ① is located at the upper end of the left fork leg.

The compression damping is located in left fork leg **COMP** (white adjuster). The rebound damping is located in right fork leg **REB** (red adjuster).

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

Guideline

Compression damping	
Comfort	17 clicks
Standard	15 clicks
Sport	10 clicks
Full payload	15 clicks



Info

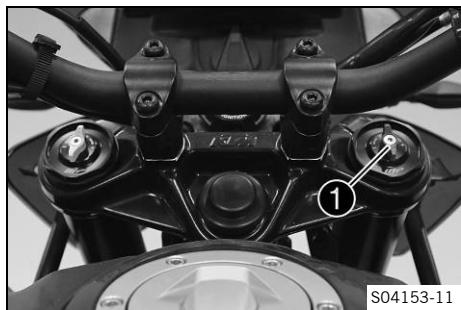
Turn clockwise to increase damping; turn counterclockwise to reduce damping during compression.

12.3 Adjusting the rebound damping of the fork (EU/JP/UK/AR/CO)



Info

The hydraulic rebound damping determines the fork suspension behavior.



- Turn adjuster 1 clockwise all the way to the stop.

i Info

Adjuster 1 is located at the upper end of the right fork leg.

The rebound damping is located in right fork leg **REB** (red adjuster). The compression damping is located in left fork leg **COMP** (white adjuster).

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

Guideline

Rebound damping

Comfort	20 clicks
Standard	15 clicks
Sport	10 clicks
Full payload	15 clicks

i Info

Turn clockwise to increase the damping; turn counterclockwise to reduce damping when the shock absorber rebounds.

12.4 Adjusting the spring preload of the shock absorber ↗



Warning

Danger of accidents Modifications to the suspension setting may seriously alter the handling characteristic.

- Ride slowly to start with after making adjustments to get the feel of the new handling characteristic.



Info

The spring preload defines the initial status of the spring operation on the shock absorber.

The best spring preload setting is achieved when it is set for the weight of the rider and that of any luggage and a passenger, thus ensuring an ideal compromise between handling and stability.



- Adjust the spring preload by turning adjusting ring 1.

Guideline

(EU/JP/UK/AR/CO)

Spring preload

Comfort	3 clicks
Standard	3 clicks
Sport	3 clicks
Full payload	10 clicks

(ASEAN/CN/PH)

Spring preload

Standard	3 clicks
----------	----------

Hook wrench, shock absorber (90529077000)

Extension for hook wrench (90129099025)

**Info**

The spring preload can be set to 10 different positions.

12.5 Adjusting the rebound damping of the shock absorber (EU/JP/UK/AR/CO)

**Caution**

Risk of injury Parts of the shock absorber will move around if the shock absorber is detached incorrectly.

The shock absorber is filled with highly compressed nitrogen.

- Please follow the description provided. (Your authorized KTM workshop will be glad to help.)



S04154-10

- Turn adjusting screw ① clockwise up to the last perceptible click.
- Turn counterclockwise by the number of clicks corresponding to the shock absorber type.

Guideline

Rebound damping	
Comfort	15 clicks
Standard	10 clicks
Sport	5 clicks
Full payload	10 clicks

**Info**

Turn clockwise to increase the damping; turn counterclockwise to reduce damping when the shock absorber rebounds.

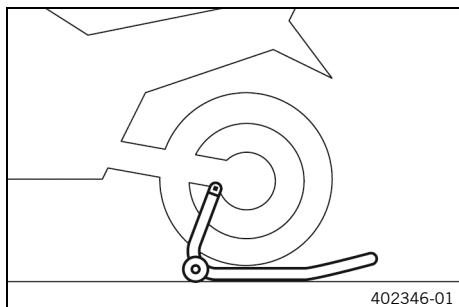
13 SERVICE WORK ON THE CHASSIS

13.1 Raising the motorcycle with rear lifting gear

Note

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

- Park the vehicle on a firm and level surface.



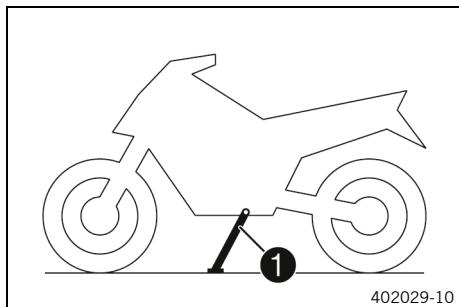
- Mount the supports of the lifting gear.
- Insert the adapter in the rear lifting gear.
 - Retaining adapter (61029955244)
 - Rear wheel work stand (69329955000)
- Stand the motorcycle upright, align the lifting gear to the link fork and the adapters, and raise the motorcycle.

13.2 Removing the rear of the motorcycle from the lifting gear

Note

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

- Park the vehicle on a firm and level surface.



- Secure the motorcycle against falling over.
- Remove the rear lifting gear and lean the vehicle on side stand ①.
- Remove bushings kit.

13.3 Lifting the motorcycle with the front lifting gear

Note

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

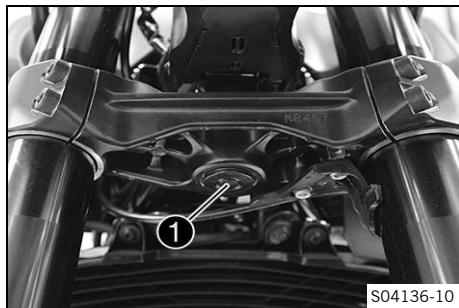
- Park the vehicle on a firm and level surface.

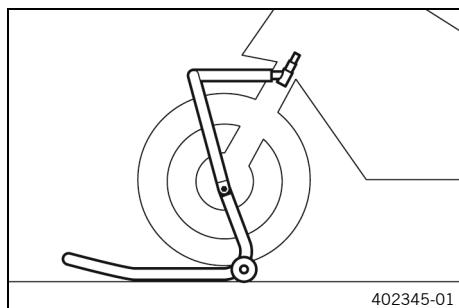
Preparatory work

- Raise the motorcycle with the rear lifting gear. (p. 62)

Condition

- Remove protection cap ①.





- Move the handlebar to the straight-ahead position. Position the lifting gear.

Mounting pin (69329965030)

Front wheel work stand, large (69329965100)



Info

Always raise the motorcycle at the rear first.

- Lift the motorcycle at the front.

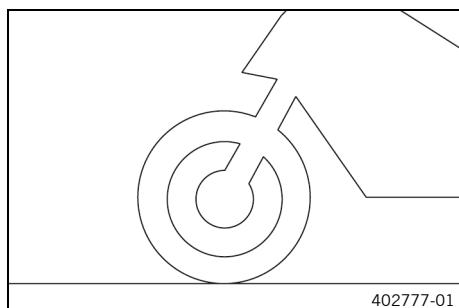


13.4 Taking the motorcycle off the front lifting gear

Note

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

- Park the vehicle on a firm and level surface.



Main work

- Secure the motorcycle against falling over.
- Remove the front lifting gear.



- Mount protection cap 1.

Finishing work

- Remove the rear of the motorcycle from the lifting gear.
(p. 62)



13.5 Cleaning the dust boots of the fork legs

Preparatory work

- Raise the motorcycle with the rear lifting gear. (p. 62)
- Lift the motorcycle with the front lifting gear. (p. 62)
- Remove front fender. (p. 71)

13 SERVICE WORK ON THE CHASSIS



Main work

- Push dust boots 1 of both fork legs downward.



Info

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



Warning

Danger of accidents Oil or grease on the brake discs reduces the braking effect.

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

- Clean and oil the dust boots and inside fork tubes of both fork legs.

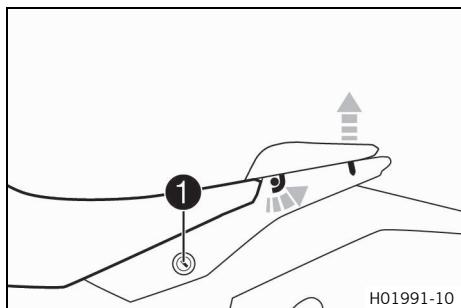
Universal oil spray (☞ p. 129)

- Press the dust boots back into the installation position.
- Remove the excess oil.

Finishing work

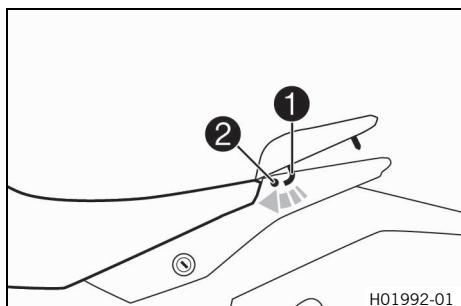
- Install the front fender. (☞ p. 72)
- Take the motorcycle off the front lifting gear. (☞ p. 63)
- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)

13.6 Removing the passenger seat



- Insert the ignition key in seat lock 1 and turn it clockwise.
- Raise the rear of the seat, push it towards the rear, and lift it off.
- Remove the ignition key from the seat lock.

13.7 Mounting the passenger seat



- Attach hooks 1 on the passenger seat to seat mounting 2 on the subframe, and lower it at the rear while pushing forward.
- Press passenger seat downward until it clicks into place.

**Warning**

Danger of accidents The seat can come loose from the anchoring if it is not mounted correctly.

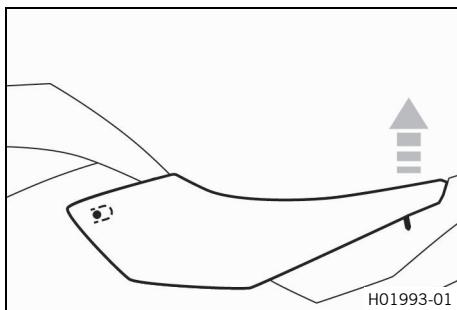
- After assembly, check whether the seat is correctly locked and cannot be pulled up.

- Finally, check that the passenger seat is correctly mounted.

13.8 Removing the front rider's seat

Preparatory work

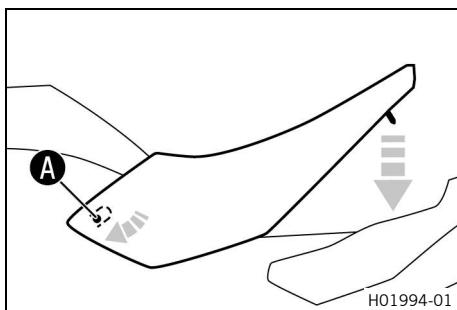
- Remove the passenger seat. (☞ p. 64)



13.9 Mounting the front rider's seat

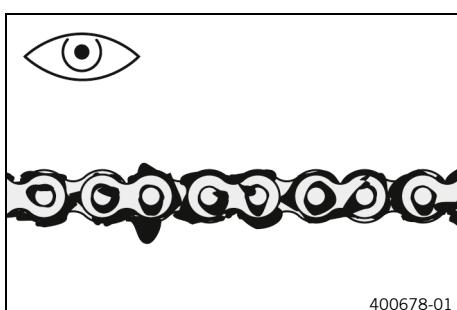
Main work

- Attach the front rider's seat in area **A** and lower at the rear.
- Finally, check that the front rider's seat is correctly mounted.

**Finishing work**

- Mount the passenger seat. (☞ p. 64)

13.10 Checking for chain dirt accumulation



- Check the chain for coarse dirt accumulation.
 - » If the chain is very dirty:
 - Clean the chain. (☞ p. 66)

13.11 Cleaning the chain



Warning

Danger of accidents Lubricants on the tires reduces the road grip.

- Remove lubricants from the tires using a suitable cleaning agent.



Warning

Danger of accidents Oil or grease on the brake discs reduces the braking effect.

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



Note

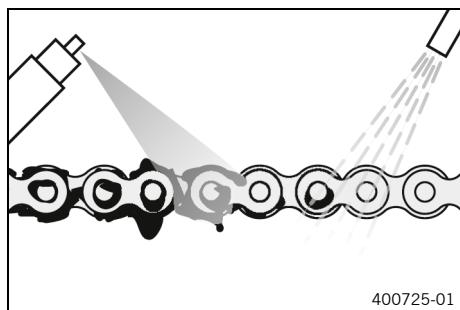
Environmental hazard Hazardous substances cause environmental damage.

- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.



Info

The service life of the chain depends largely on its maintenance.



Preparatory work

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)

Main work

- Clean the chain regularly.
- Rinse off the loose dirt with a gentle jet of water.
- Remove grease residue with chain cleaner.
Chain cleaner (☞ p. 129)
- After drying, apply chain spray.
Street chain spray (☞ p. 129)

Finishing work

- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)

13.12 Checking the chain tension



Warning

Danger of accidents Incorrect chain tension damages components and results in accidents.

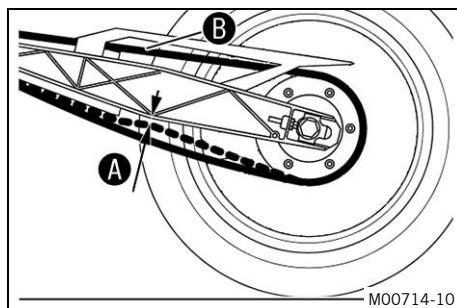
If the chain is tensioned too much, the chain, engine sprocket, rear sprocket, transmission and rear wheel bearings wear more quickly. Some components may break if overloaded.

If the chain is too loose, the chain may fall off the engine sprocket or the rear sprocket. As a result, the rear wheel locks or the engine will be damaged.

- Check the chain tension regularly.
- Set the chain tension in accordance with the specification.

Preparatory work

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)

**Main work**

- Shift the transmission into neutral.
- In the area after the chain sliding guard, press the chain upward toward the link fork and measure chain tension **A**.

**Info**

Top chain section **B** must be taut.
Chain wear is not always even, so you should repeat this measurement at different chain positions.

Chain tension	5 ... 7 mm (0.2 ... 0.28 in)
---------------	------------------------------

- » If the chain tension does not meet the specification:
 - Adjust the chain tension. (☞ p. 67)
- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)

13.13 Adjusting the chain tension**Warning**

Danger of accidents Incorrect chain tension damages components and results in accidents.

If the chain is tensioned too much, the chain, engine sprocket, rear sprocket, transmission and rear wheel bearings wear more quickly. Some components may break if overloaded.

If the chain is too loose, the chain may fall off the engine sprocket or the rear sprocket. As a result, the rear wheel locks or the engine will be damaged.

- Check the chain tension regularly.
- Set the chain tension in accordance with the specification.

Preparatory work

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)
- Check the chain tension. (☞ p. 66)

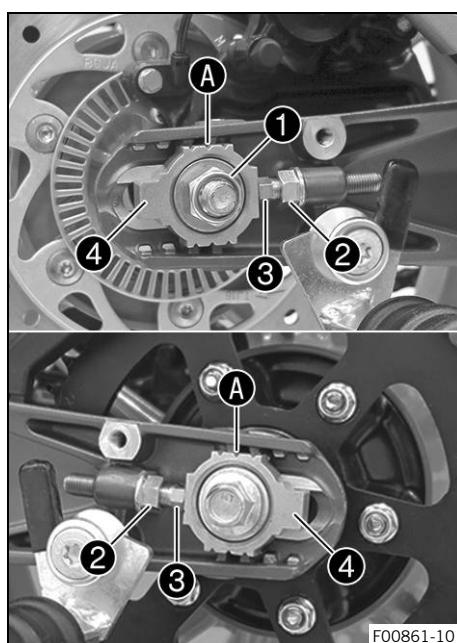
Main work

- Loosen nut **1**.
- Loosen nuts **2**.
- Adjust the chain tension by turning adjusting screws **3** left and right.

Guideline

Chain tension	5 ... 7 mm (0.2 ... 0.28 in)
---------------	------------------------------

Turn the adjusting screws **3** on the left and right so that the markings on the left and right chain adjusters **4** are in the same position relative to the reference marks **A**. The rear wheel is then correctly aligned.

**Info**

The top chain section must be taut.
Chain wear is not always even, so you should check the setting at different chain positions.

- Tighten nuts **2**.
- Make sure that chain adjusters **4** are fitted correctly on adjusting screws **3**.

13 SERVICE WORK ON THE CHASSIS

- Tighten nut ①.

Guideline

Nut, rear wheel spindle	M14x1.5	100 Nm (73.8 lbf ft)
-------------------------	---------	-------------------------

Finishing work

- Remove the rear of the motorcycle from the lifting gear.
(☞ p. 62)

13.14 Checking the chain, rear sprocket, and engine sprocket

Preparatory work

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)

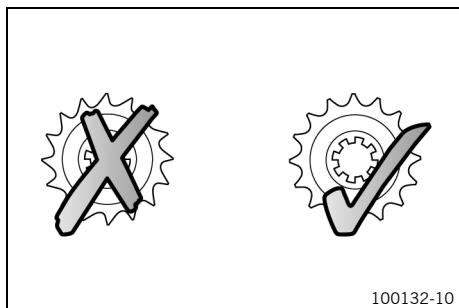
Main work

- Check the rear sprocket and engine sprocket for wear.
 - » If the rear sprocket and engine sprocket are worn:
 - Change the drivetrain kit. ↗

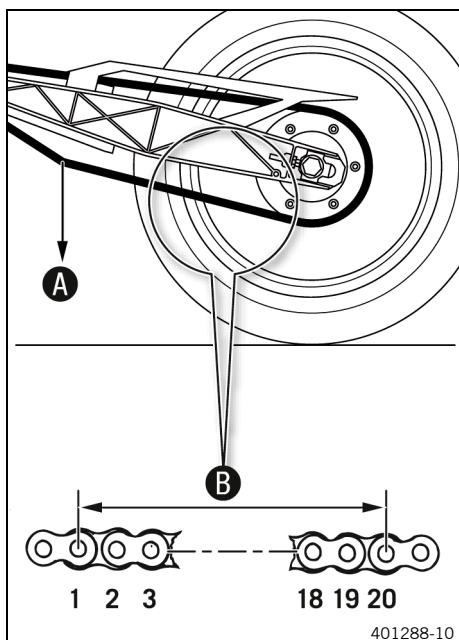


Info

The engine sprocket, rear sprocket, and chain should always be replaced together.



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- Shift the transmission into neutral.
- Pull on the lower chain section with the specified weight A.

Guideline

Weight, chain wear measurement	15 kg (33 lb.)
--------------------------------	----------------

- Measure distance B of 20 chain rollers in the lower chain section.



Info

Chain wear is not always even, so you should repeat this measurement at different chain positions.

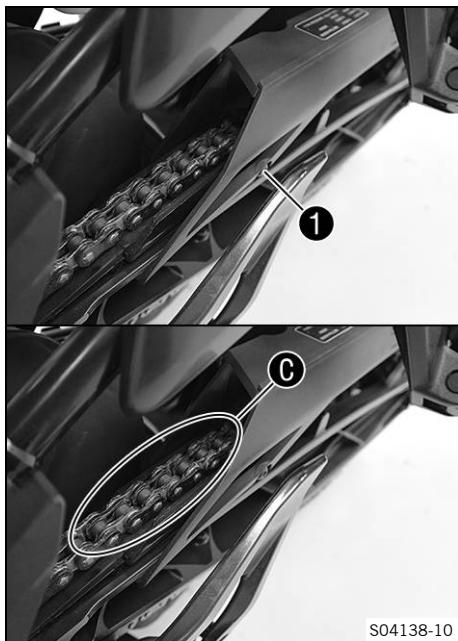
Maximum distance B from 20 chain rollers at the longest chain section	301.6 mm (11.874 in)
---	----------------------

- » If distance B is greater than the specified measurement:
 - Change the drivetrain kit. ↗



Info

When a new chain is mounted, the rear sprocket and engine sprocket should also be changed. New chains wear out faster on old, worn sprockets.



- Check the chain sliding guard for wear.
 - » If screw 1 becomes visible in area C of the chain sliding guard when viewed from above:
 - Change the chain sliding guard.
- Check that the chain sliding guard is firmly seated.
 - » If the chain sliding guard is loose:
 - Tighten the screw of the chain sliding guard.

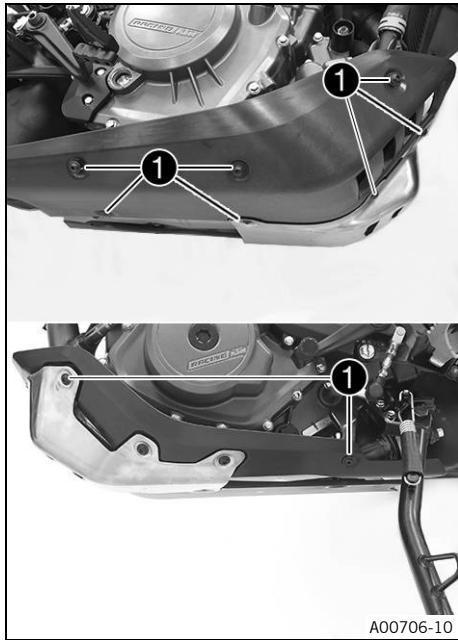
Guideline

Screw, chain guard	M6	3 Nm (2.2 lbf ft) Loctite®243™
-----------------------	----	--

Finishing work

- Remove the rear of the motorcycle from the lifting gear.
(p. 62)

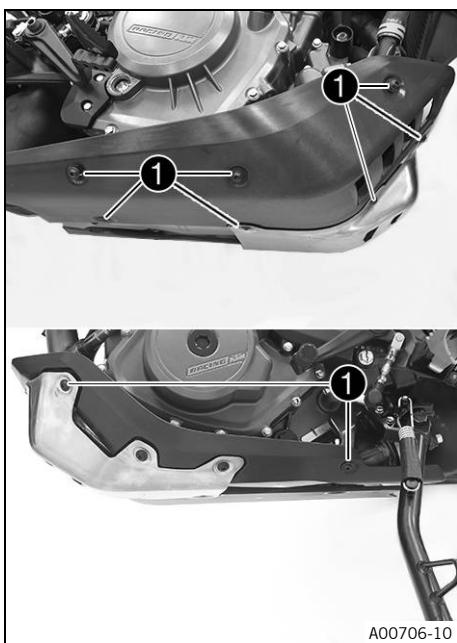
13.15 Removing motor guard



- Remove screws 1.
- Take off the engine guard.

13 SERVICE WORK ON THE CHASSIS

13.16 Installing the motor guard



- Position the engine guard, mount and tighten screws 1.
- Guideline

Screw, engine guard	M6	9 Nm (6.6 lbf ft) Loctite®243™
------------------------	----	--

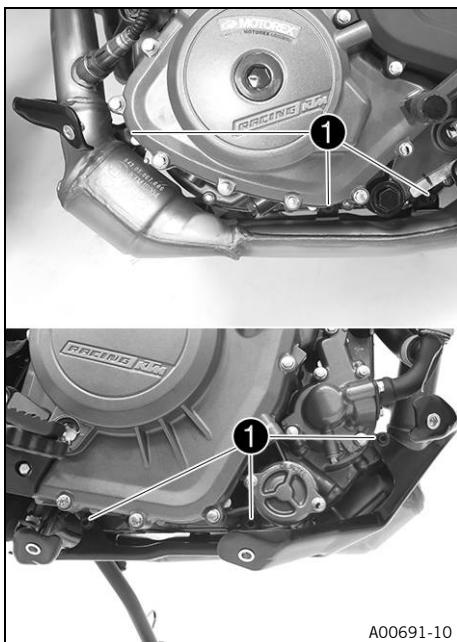
13.17 Removing the engine guard retaining bracket

Preparatory work

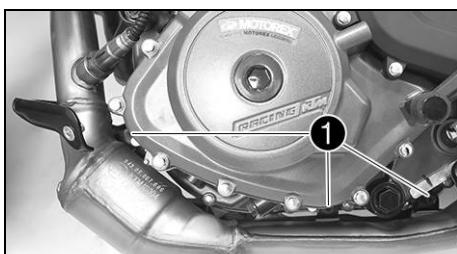
- Remove motor guard. (☞ p. 69)

Main work

- Remove screws 1.
- Remove the engine guard retaining bracket.



13.18 Installing the engine guard retaining bracket

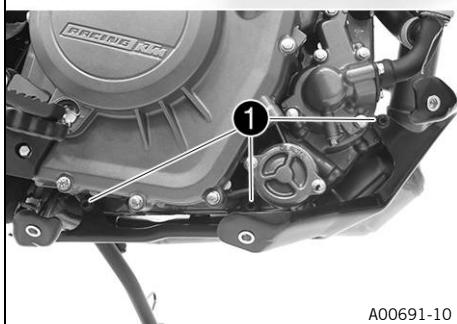


Main work

- Position the engine guard retaining bracket, mount and tighten screws 1.

Guideline

Screw, engine guard retaining bracket	M6	9 Nm (6.6 lbf ft) Loctite®243™
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13.19 Removing front fender



- Remove screws 1. Take off the front fender.



13 SERVICE WORK ON THE CHASSIS

13.20 Installing the front fender

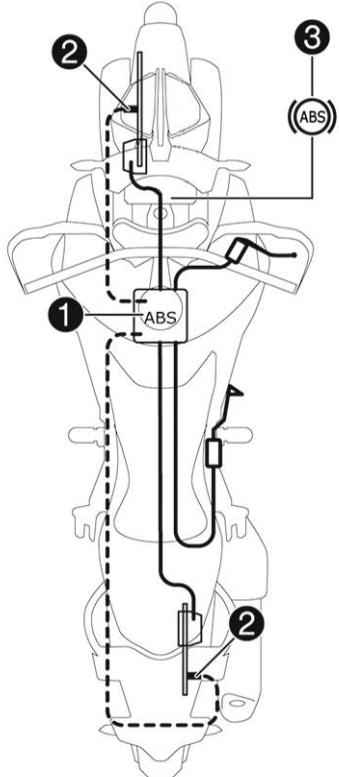


- Position the front fender. Mount and tighten screws 1.

Guideline

Remaining screws, chassis	M6	9 Nm (6.6 lbf ft)
------------------------------	----	-------------------

14.1 Anti-lock braking system (ABS)



S04111-10

ABS unit **1**, which consists of a hydraulic unit, ABS control unit, and return pump, is installed under the fuel tank. One wheel speed sensor **2** is located in each case on the front and the rear wheel.



Warning

Danger of accidents Changes to the vehicle impair the function of the ABS.

- Do not make any changes to the suspension travel.
- Only use spare parts on the brake system which have been approved and recommended by KTM.
- Only use tires/wheels approved by KTM with the corresponding speed index.
- Maintain the specified tire pressure.
- Ensure that service work and repairs are performed professionally. (Your authorized KTM workshop will be glad to help.)

The ABS is a safety system that prevents the wheels locking when driving straight ahead or when cornering (within the limits of physics).



Warning

Danger of accidents Driving aids can reduce the probability of a fall only within physical limits.

It is not always possible to compensate for certain riding situations, for example with luggage loaded with a high center of gravity, varying road surfaces, steep descents or full braking without disengaging the gear.

- Adapt your riding style to the road conditions and your driving ability.

ABS has two operating modes: the **Road** and **Offroad** ABS modes.

In **Road** ABS mode, the ABS controls both wheels.

In ABS mode **Offroad**, the ABS only controls the front wheel.



Info

In the **Offroad** ABS mode, the rear wheel may lock and there is a risk of falling.

The curve dependent control is only active in ABS mode **Road**.

The ABS operates with two independent brake circuits (front and rear brakes). During normal operation, the brake system operates like a conventional brake system without ABS. When the ABS control unit detects a locking tendency in a wheel, ABS begins regulating the brake pressure. The control function causes a slight pulsing of the hand and foot brake levers.

The ABS warning lamp **3** must light up after the ignition is switched on and go out after starting off. If it does not go out after starting off or if it lights up while riding, this indicates a malfunction in the antilock brake system. In this case, the ABS is no longer enabled and the wheels may lock during braking.

The brake system itself stays functional; only ABS control is not available.

The ABS warning lamp may also light up if the rotating speeds of the front and rear wheels differ greatly under extreme riding conditions, for example when making "wheelies" or if the rear wheel spins. This causes the ABS to switch off.

To reactivate the ABS, stop the vehicle and switch off the ignition. The ABS is reactivated when the vehicle is switched on again. The ABS warning lamp goes out after starting off.

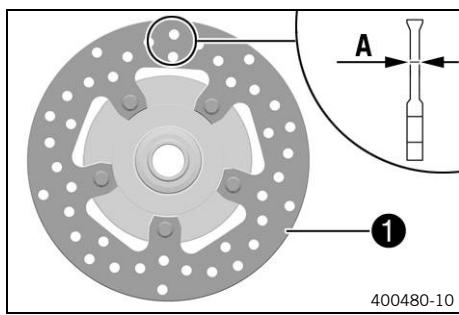
14.2 Checking the brake discs



Warning

Danger of accidents Worn-out brake discs reduce the braking effect.

- Make sure that worn-out brake discs are replaced immediately. (Your authorized KTM workshop will be glad to help.)



- Check the front and rear brake disc thickness at multiple points for the dimension **A**.



Info

Wear will reduce the thickness of the brake disc at contact surface **1** of the brake linings.

Brake discs - wear limit

front	4.5 mm (0.177 in)
rear	3.6 mm (0.142 in)

- » If the brake disc thickness is less than the specified value.
 - Change the front brake disc. ↗
 - Change the rear brake disc. ↗
- Check the front and rear brake discs for damage, cracking, and deformation.
 - » If the brake disc exhibits damage, cracking, or deformation:
 - Change the front brake disc. ↗
 - Change the rear brake disc. ↗

14.3 Checking the front brake fluid level



Warning

Danger of accidents An insufficient brake fluid level will cause the brake system to fail.

If the brake fluid level drops below the **MIN** marking, the brake system is leaking or the brake linings are worn down.

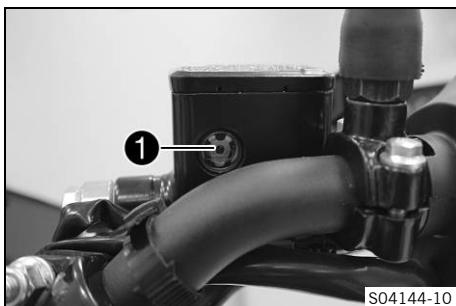
- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized KTM workshop will be glad to help.)



Warning

Danger of accidents Brake fluid which is too old or of the wrong type impairs the function of the brake system.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized KTM workshop will be glad to help.)
- Make sure that only clean, approved brake fluid from a tightly sealed container is used. (Your authorized KTM workshop will be glad to help.)



- Move the brake reservoir mounted on the handlebar into a horizontal position.
- Check the brake fluid level in the level viewer 1.
 - » If the brake fluid level is below the MIN marking:
 - Add front brake fluid. (p. 75)

14.4 Adding front brake fluid



Warning

Danger of accidents An insufficient brake fluid level will cause the brake system to fail.

If the brake fluid level drops below the MIN marking, the brake system is leaking or the brake linings are worn down.

- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized KTM workshop will be glad to help.)



Warning

Skin irritation Brake fluid is a harmful substance.

- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.



Warning

Danger of accidents Brake fluid which is too old or of the wrong type impairs the function of the brake system.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized KTM workshop will be glad to help.)
- Make sure that only clean, approved brake fluid from a tightly sealed container is used. (Your authorized KTM workshop will be glad to help.)



Note

Environmental hazard Hazardous substances cause environmental damage.

- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.

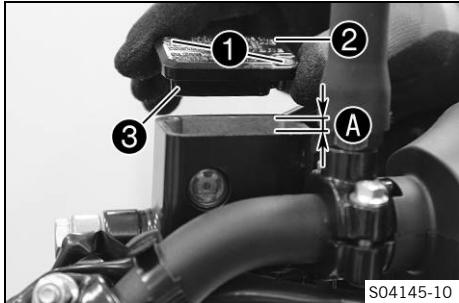


Info

Avoid contact between brake fluid and painted parts. Brake fluid corrodes paint.

Preparatory work

- Check that the brake linings of the front brake are secured.
(p. 76)



Main work

- Move the brake fluid reservoir mounted on the handlebar to a horizontal position.
- Remove screws ①.
- Take off cover ② with membrane ③.
- Add brake fluid to level A.

Guideline

Dimension A	5 mm (0.2 in)
-------------	---------------

Brake fluid DOT 4 / DOT 5.1 (p. 127)

- Position the cover with the membrane. Mount and tighten the screws.



Info

Use water to immediately clean up any brake fluid that has overflowed or spilled.

14.5 Checking that the brake linings of the front brake are secured



Warning

Danger of accidents Worn-out brake linings reduce the braking effect.

- Ensure that worn-out brake linings are replaced immediately. (Your authorized KTM workshop will be glad to help.)

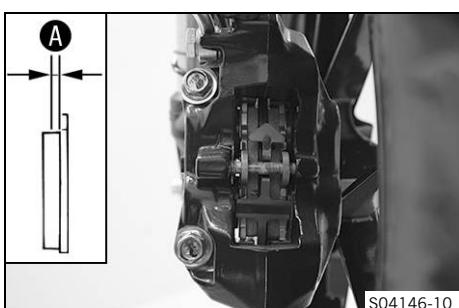


Warning

Danger of accidents Damaged brake discs reduce the braking effect.

If the brake linings are not changed in time, the brake lining carriers grind against the brake disc. As a consequence, the braking effect is greatly reduced and the brake discs are destroyed.

- Check the brake linings regularly.



- Check the brake linings for lining thickness A.

Minimum thickness A	$\geq 1 \text{ mm} (\geq 0.04 \text{ in})$
---------------------	--

- » If it is less than the minimum thickness:
 - Change the front brake linings.
- Check the brake linings for damage and cracking.
 - » If there is damage or cracking:
 - Change the front brake linings.
- Check that the brake linings are secured.
 - » If the brake linings are not secured correctly:
 - Secure brake linings, replace with new parts if necessary.

14.6 Checking the free travel of foot brake lever

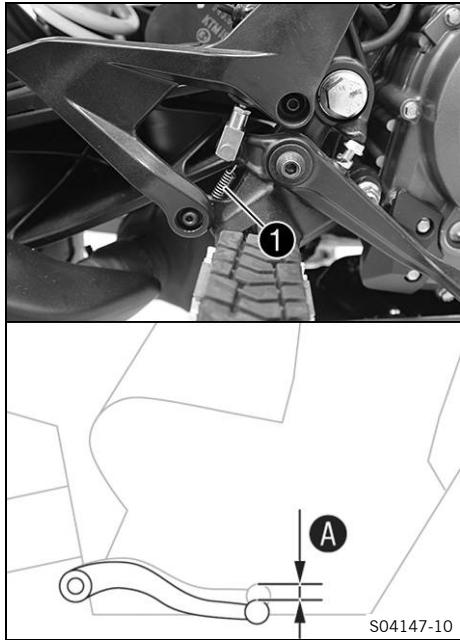


Warning

Danger of accidents The brake system fails in the event of overheating.

If there is no free travel on the foot brake lever, pressure builds up in the brake system on the rear brake.

- Set the free travel on the foot brake lever in accordance with the specification.



- Disconnect spring ①.
 - Move the foot brake lever back and forth between the end stop and the contact to the foot brake cylinder piston and check free travel A.
- Guideline
- | | |
|---------------------------------|------------------------------|
| Free travel at foot brake lever | 3 ... 5 mm (0.12 ... 0.2 in) |
|---------------------------------|------------------------------|
- » If the free travel does not meet specifications:
 - Adjust the free travel of the foot brake lever. (☞ p. 77)
 - Reconnect spring ①.

14.7 Adjusting the free travel of the foot brake lever ☞

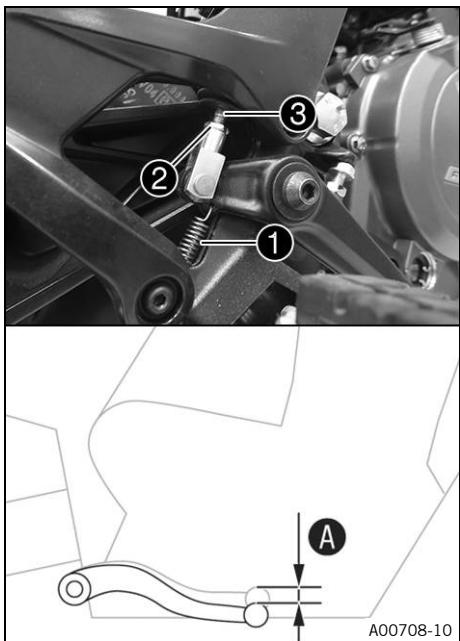


Warning

Danger of accidents The brake system fails in the event of overheating.

If there is no free travel on the foot brake lever, pressure builds up in the brake system on the rear brake.

- Set the free travel on the foot brake lever in accordance with the specification.



- Detach spring ①.
- Release nut ② and use screw ③ to adjust the specified free travel A.

Guideline

Free travel at foot brake lever	3 ... 5 mm (0.12 ... 0.2 in)
---------------------------------	------------------------------



Info

The range of adjustment is limited.

- Hold screw ③ and tighten nut ②.

Guideline

Remaining screws, chassis	M6	9 Nm (6.6 lbf ft)
------------------------------	----	-------------------

- Attach spring ①.

14.8 Checking the rear brake fluid level



Warning

Danger of accidents An insufficient brake fluid level will cause the brake system to fail.

If the brake fluid level drops below the **MIN** marking, the brake system is leaking or the brake linings are worn down.

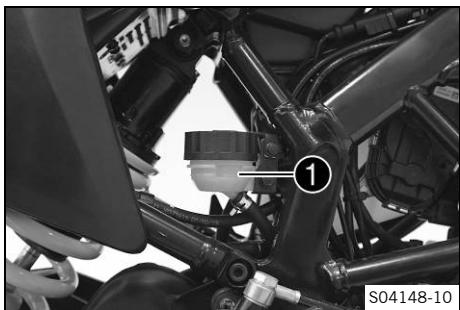
- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized KTM workshop will be glad to help.)



Warning

Danger of accidents Brake fluid which is too old or of the wrong type impairs the function of the brake system.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized KTM workshop will be glad to help.)
- Make sure that only clean, approved brake fluid from a tightly sealed container is used. (Your authorized KTM workshop will be glad to help.)



- Stand the vehicle upright.
- Check the brake fluid level in the brake fluid reservoir.
 - » If the fluid level reaches the **MIN** marking ①:
 - Add rear brake fluid. (p. 79)

14.9 Adding rear brake fluid



Warning

Danger of accidents An insufficient brake fluid level will cause the brake system to fail.

If the brake fluid level drops below the **MIN** marking, the brake system is leaking or the brake linings are worn down.

- Check the brake system and do not continue riding until the problem is eliminated. (Your authorized KTM workshop will be glad to help.)



Warning

Skin irritation Brake fluid is a harmful substance.

- Keep brake fluid out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Do not allow brake fluid to come into contact with the skin, the eyes or clothing.
- Consult a doctor immediately if brake fluid has been swallowed.
- Rinse the affected area with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water immediately and consult a doctor if brake fluid comes into contact with the eyes.
- If brake fluid spills on to your clothing, change the clothing.



Warning

Danger of accidents Brake fluid which is too old or of the wrong type impairs the function of the brake system.

- Make sure that brake fluid for the front and rear brake is changed in accordance with the service schedule. (Your authorized KTM workshop will be glad to help.)
- Make sure that only clean, approved brake fluid from a tightly sealed container is used. (Your authorized KTM workshop will be glad to help.)



Note

Environmental hazard Hazardous substances cause environmental damage.

- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.



Info

Avoid contact between brake fluid and painted parts. Brake fluid corrodes paint.

Preparatory work

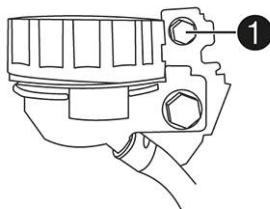
- Check that the brake linings of the rear brake are secured.
( p. 80)

Main work

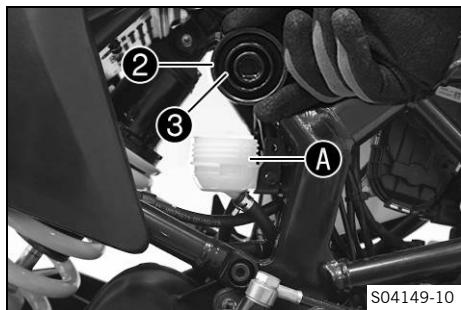
Condition

The screw cap is locked.

- Remove screw **1** and take off the screw cap lock.



H01142-10



- Stand the vehicle upright.
- Remove screw cap ② with membrane ③.
- Add brake fluid up to the marking A.

Brake fluid DOT 4 / DOT 5.1 (☞ p. 127)

- Mount the screw cover with the membrane.

i Info

Use water to immediately clean up any brake fluid that has overflowed or spilled.

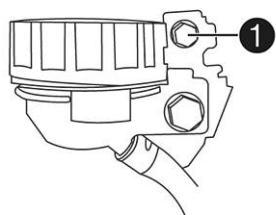
Condition

The screw cap is locked.

- Position the screw cap lock and mount and tighten screw ①.

Guideline

Screw, compensating tank cap lock, rear brake	M5	9 Nm (6.6 lbf ft)
---	----	-------------------



14.10 Checking that the brake linings of the rear brake are secured



Warning

Danger of accidents Worn-out brake linings reduce the braking effect.

- Ensure that worn-out brake linings are replaced immediately. (Your authorized KTM workshop will be glad to help.)

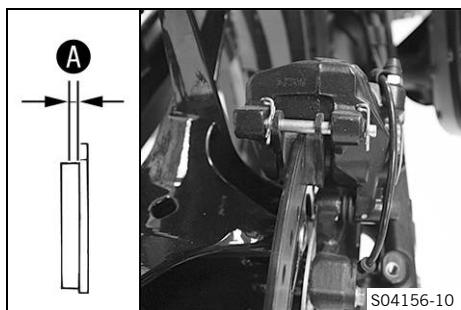


Warning

Danger of accidents Damaged brake discs reduce the braking effect.

If the brake linings are not changed in time, the brake lining carriers grind against the brake disc. As a consequence, the braking effect is greatly reduced and the brake discs are destroyed.

- Check the brake linings regularly.



- Check the brake linings for lining thickness A.

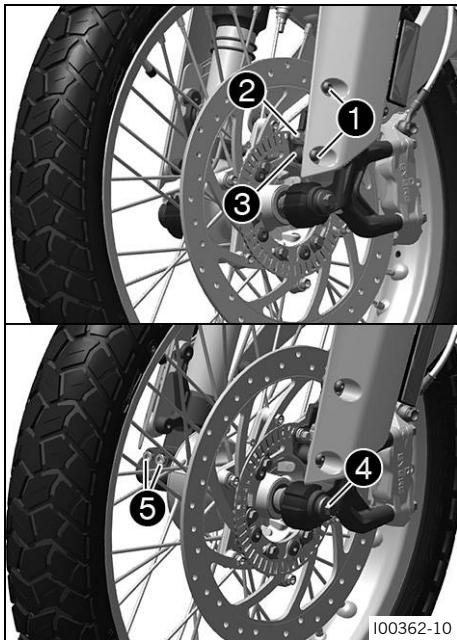
Minimum thickness A $\geq 1 \text{ mm} (\geq 0.04 \text{ in})$

- » If it is less than the minimum thickness:
 - Change the rear brake linings. ↗
- Check the brake linings for damage and cracking.
 - » If there is damage or cracking:
 - Change the rear brake linings. ↗
- Check that the brake linings are secured.
 - » If the brake linings are not secured correctly:
 - Secure brake linings, replace with new parts if necessary.

15.1 Removing the front wheel

Preparatory work

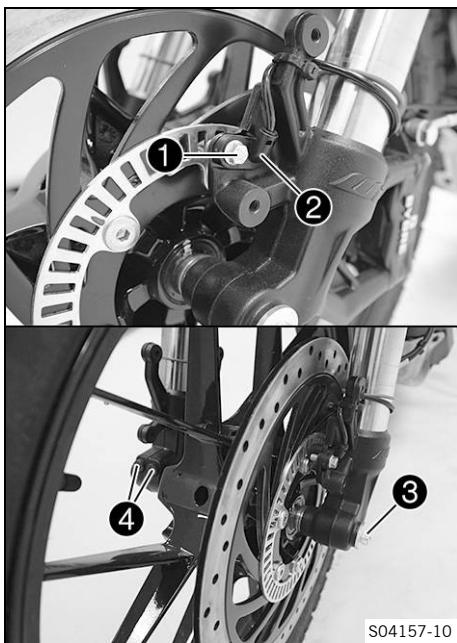
- Raise the motorcycle with the rear lifting gear. (☞ p. 62)
- Lift the motorcycle with the front lifting gear. (☞ p. 62)
- Remove front fender. (☞ p. 71)



Main work

(Option: Wire spoked wheels)

- Remove screws 1 with washers and push the fender slightly to the side.
- Remove screw 2 and pull wheel speed sensor 3 out of the hole.
- Loosen screw 4 by several rotations.
- Loosen screws 5.
- Press on screw 4 to push the wheel spindle out of the axle clamp.
- Remove screw 4.



(Option: Cast wheels)

- Remove screw 1 and pull wheel speed sensor 2 out of the hole.
- Loosen screw 3 by several rotations.
- Loosen screws 4.
- Press on screw 3 to push the wheel spindle out of the axle clamp.
- Remove screw 3.



Warning

Danger of accidents Damaged brake discs reduce the braking effect.

- Always lay the wheel down in such a way that the brake disc is not damaged.

- Hold front wheel and remove wheel spindle. Take the front wheel out of the fork.



Info

Do not actuate the hand brake lever when the front wheel is removed.

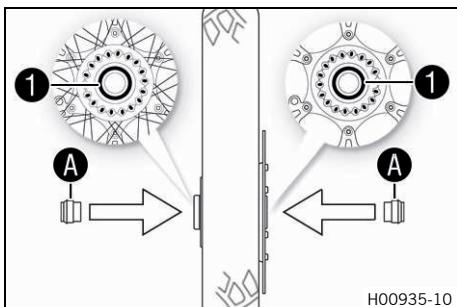
15.2 Installing the front wheel ↗



Warning

Danger of accidents Oil or grease on the brake discs reduces the braking effect.

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



(Option: Wire spoked wheels)

- Check the wheel bearing for damage and wear.
» If the wheel bearing is damaged or worn:
– Change front wheel bearing. ↗
- Clean and grease shaft seal rings 1 and contact surfaces A of the spacers.

Long-life grease (☞ p. 129)

- Insert the spacers.

- Clean the thread of the wheel spindle and screw 2.
- Clean and lightly grease the wheel spindle.

Long-life grease (☞ p. 129)

- Position the front wheel and insert the wheel spindle.
✓ The brake linings are correctly positioned.
- Mount and tighten screw 2.

Guideline

Screw, front wheel spindle	M8	25 Nm (18.4 lbf ft)
----------------------------	----	------------------------

- Position wheel speed sensor 3 in the hole.
- Mount and tighten screw 4.

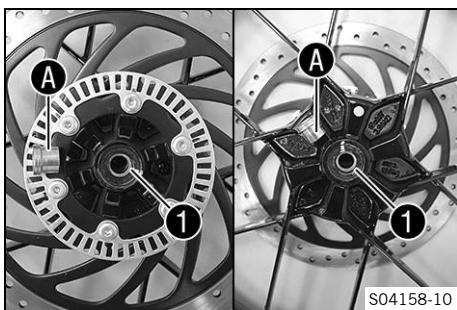
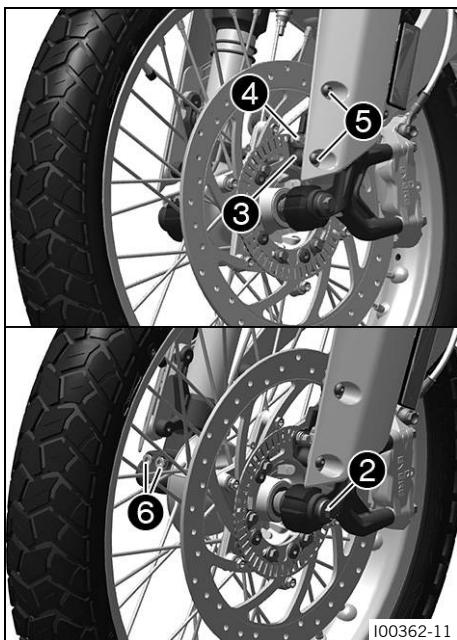
Guideline

Screw, wheel speed sensor holder	M6	8 Nm (5.9 lbf ft)
----------------------------------	----	-------------------

- Position the fender, and mount and tighten screws 5 with the washers.

Guideline

Screw, front fender	M6	7 Nm (5.2 lbf ft)
---------------------	----	-------------------

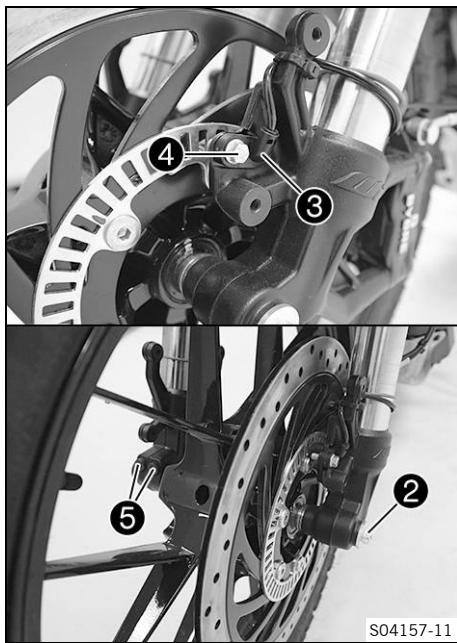


(Option: Cast wheels)

- Check the wheel bearing for damage and wear.
» If the wheel bearing is damaged or worn:
– Change front wheel bearing. ↗
- Remove the spacers.
- Clean and grease shaft seal rings 1 and contact surfaces A of the spacers.

Long-life grease (☞ p. 129)

- Insert the spacers.



- Clean the thread of the wheel spindle and screw ②.
- Clean and lightly grease the wheel spindle.

Long-life grease (☞ p. 129)

- Position the front wheel and insert the wheel spindle.
- ✓ The brake linings are correctly positioned.
- Mount and tighten screw ②.

Guideline

Screw, front wheel spindle	M8	25 Nm (18.4 lbf ft)
----------------------------	----	------------------------

- Position wheel speed sensor ③ in the hole.
- Mount and tighten screw ④.

Guideline

Screw, wheel speed sensor holder	M6	8 Nm (5.9 lbf ft)
----------------------------------	----	-------------------

- Operate the hand brake lever repeatedly until the brake linings are in contact with the brake disc and there is a pressure point.
- Take the motorcycle off the front lifting gear. (☞ p. 63)
- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)
- Operate the front brake and compress the fork a few times firmly.
- ✓ The fork legs straighten.
- Tighten screws ⑤.

Guideline

Screw, fork stub	M8	15 Nm (11.1 lbf ft)
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15.3 Removing the rear wheel

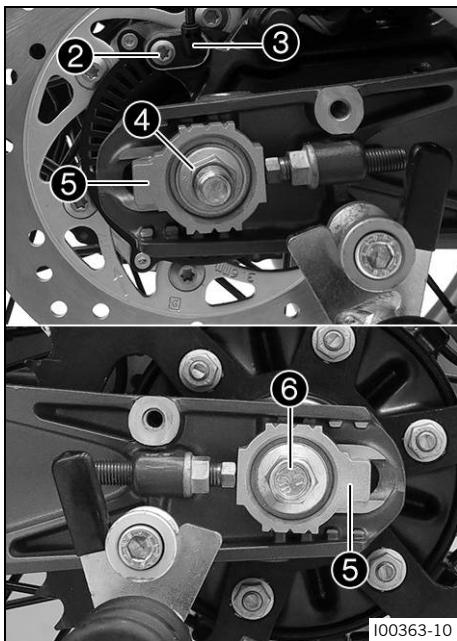
Preparatory work

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)

Main work

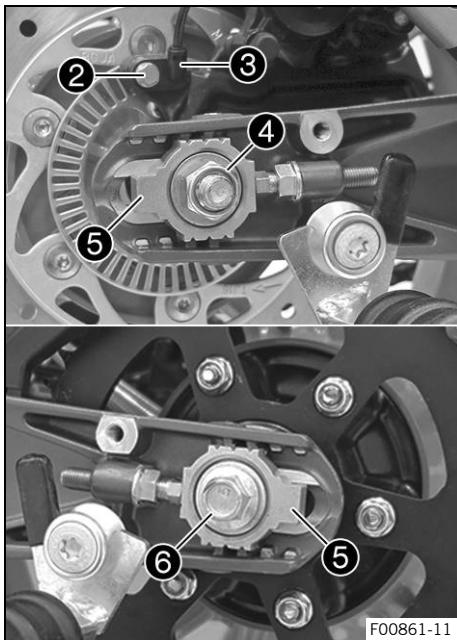
- Remove screw ①.





(Option: Wire spoked wheels)

- Remove screw ② and pull wheel speed sensor ③ out of the hole.
- Remove nut ④ with washer.
- Take off chain adjuster ⑤.
- Hold the rear wheel and remove wheel spindle ⑥ with the washer and chain adjuster ⑤.
- Push the rear wheel forward as far as possible and take the chain off the rear sprocket.



(Option: Cast wheels)

- Remove screw ② and pull wheel speed sensor ③ out of the hole.
- Remove nut ④ and washer.
- Take off chain adjuster ⑤.
- Holding the rear wheel, withdraw wheel spindle ⑥ with the washer and chain adjuster ⑤.
- Push the rear wheel forward as far as possible and take the chain off the rear sprocket.
- Push chain guard to the side.



Warning

Danger of accidents Damaged brake discs reduce the braking effect.

- Always lay the wheel down in such a way that the brake disc is not damaged.

- Pull the rear wheel back and take it out of the link fork.



Info

Do not operate the foot brake lever when the rear wheel is removed.

15.4 Installing the rear wheel



Warning

Danger of accidents Oil or grease on the brake discs reduces the braking effect.

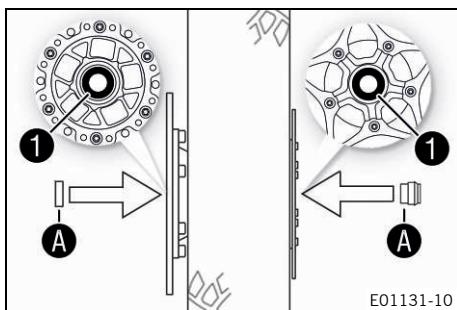
- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.



Warning

Danger of accidents There is no braking effect to start with at the rear brake after installing the rear wheel.

- Actuate the foot brake several times before going on a ride until you can feel a firm pressure point.



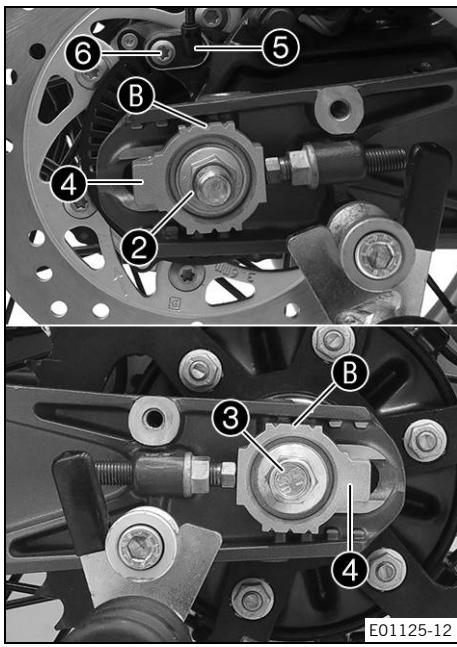
Main work

(Option: Wire spoked wheels)

- Check the wheel bearing for damage and wear.
 - » If the wheel bearing is damaged or worn:
 - Change the rear wheel bearing. 
- Clean and grease shaft seal rings 1 and contact surfaces A of the spacers.

Long-life grease ( p. 129)
- Clean the thread of the wheel spindle and axle nut.
- Clean and lightly grease the wheel spindle.

Long-life grease ( p. 129)
- Clean the contact areas on the brake caliper bracket and link fork.
- Mount the damping rubber pieces and rear sprocket carrier on the rear wheel.
- Insert the narrow spacer into the side of the rear sprocket.
- Insert the wide spacer into the side of the brake disc.
- Position the rear wheel.
 - ✓ The brake linings are correctly positioned.
- Push the rear wheel forward as far as possible and lay the chain on the rear sprocket.



- Pull the rear wheel back and mount wheel spindle **3** with the washer and chain adjuster **4**.

Guideline

Mount left and right chain adjusters **4** in the same position.

- Mount nut **2** with washer.
- Make sure that the chain adjusters are positioned correctly on the screws.
- Check the chain tension. (☞ p. 66)
- Tighten nut **2**.

Guideline

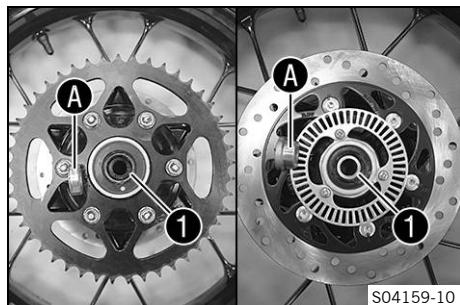
In order for the rear wheel to be correctly aligned, the markings on the left and right chain adjusters must be in the same position relative to reference markings **B**.

Nut, rear wheel spindle	M14x1.5	100 Nm (73.8 lbf ft)
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- Position wheel speed sensor **5** in the hole.
- Mount and tighten screw **6**.

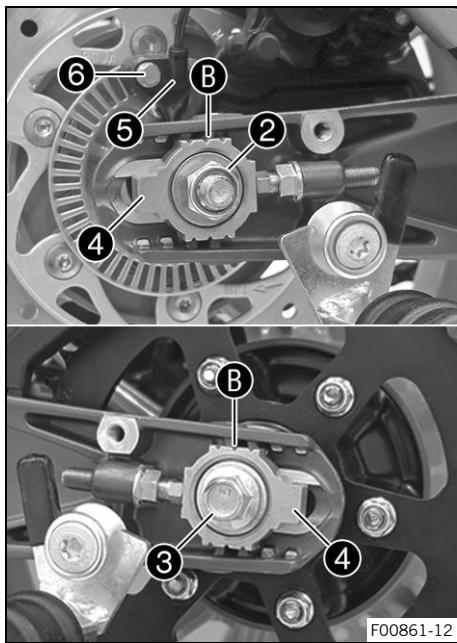
Guideline

Screw, wheel speed sensor holder	M6	8 Nm (5.9 lbf ft)
----------------------------------	----	-------------------



(Option: Cast wheels)

- Check the wheel bearing for damage and wear.
 - » If the wheel bearing is damaged or worn:
 - Change the rear wheel bearing. ↗
- Remove the spacers.
- Clean and grease shaft seal rings **1** and contact surfaces **A** of the spacers.
 - Long-life grease (☞ p. 129)
- Clean the thread of the wheel spindle and axle nut.
- Clean and grease wheel spindle.
 - Long-life grease (☞ p. 129)
- Clean the contact areas on the brake caliper bracket and link fork.
- Mount the damping rubber and rear sprocket carrier on the rear wheel.
- Insert the spacers.
- Position the rear wheel.
 - ✓ The brake linings are correctly positioned.
- Push the rear wheel forward as far as possible and lay the chain on the rear sprocket.
- Position the chain guard.



- Pull the rear wheel back and mount wheel spindle ③ with the washer and chain adjuster ④.

Guideline

Mount left and right chain adjusters ④ in the same position.

- Mount nut ② and the washer.
- Push the rear wheel forward so that the chain adjusters are in contact with the screws, and tighten nut ②.

Guideline

In order for the rear wheel to be correctly aligned, the markings on the left and right chain adjusters must be in the same position relative to reference markings B.

Nut, rear wheel spindle	M14x1.5	100 Nm (73.8 lbf ft)
-------------------------	---------	-------------------------

- Position wheel speed sensor ⑤ in the hole.
- Mount and tighten screw ⑥.

Guideline

Screw, wheel speed sensor holder	M6	8 Nm (5.9 lbf ft)
----------------------------------	----	-------------------



- Mount and tighten screw ⑦.

Guideline

Screw, chain guard	EJOT PT® K60x30	3 Nm (2.2 lbf ft)
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Finishing work

- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)
- Check the chain tension. (☞ p. 66)

15.5 Checking the rear hub damping rubber pieces

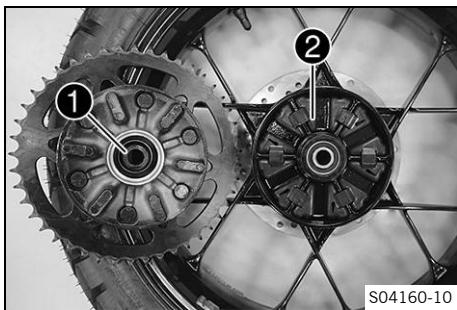


Info

The engine power is transmitted from the rear sprocket to the rear wheel via the six damping rubber pieces. They eventually wear out during operation. If the damping rubber pieces are not changed in time, the rear sprocket carrier and the rear hub will be damaged.

Preparatory work

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)
- Remove the rear wheel. (☞ p. 83)



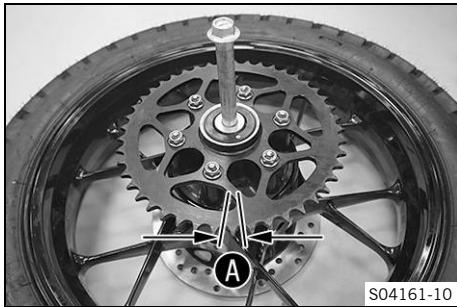
Main work

- Check bearing ①.
 - » If the bearing is damaged or worn:
 - Change the bearing. ↗
- Check damping rubber pieces ② of the rear hub for damage and wear.
 - » If the damping rubber pieces of the rear hub are damaged or worn:
 - Change all the damping rubber pieces of the rear hub.
- Lay the rear wheel on a workbench with the rear sprocket facing upward and insert the wheel spindle in the hub.
- To check play A, hold the rear wheel tight and try to rotate the rear sprocket.



Info

Measure the play on the outside of the rear sprocket.



Play of damping rubber pieces on rear wheel	≤ 5 mm (≤ 0.2 in)
---	-------------------

- » If clearance A is larger than the specified value:
 - Change all the damping rubber pieces of the rear hub.

Finishing work

- Install the rear wheel. ↗ (☞ p. 85)
- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)
- Check the chain tension. (☞ p. 66)

15.6 Checking the tire condition



Warning

Danger of accidents If a tire bursts while riding, the vehicle becomes uncontrollable.

- Ensure that damaged or worn tires are replaced immediately. (Your authorized KTM workshop will be glad to help.)



Warning

Danger of crashing Different tire tread patterns on the front and rear wheel impair the handling characteristic.

Different tire tread patterns can make the vehicle significantly more difficult to control.

- Make sure that only tires with a similar tire tread pattern are fitted to the front and rear wheel.



Warning

Danger of accidents Non-approved or non-recommended tires and wheels impact the handling characteristic.

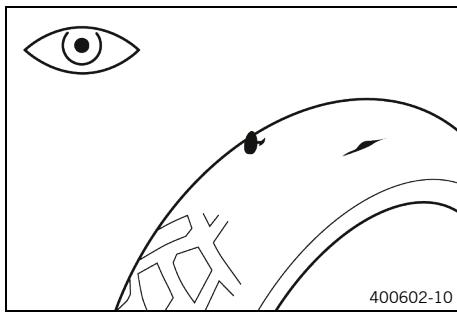
- Only use tires/wheels approved by KTM with the corresponding speed index.



Info

The type, condition, and pressure of the tires all have a major impact on the handling characteristic of the motorcycle.

Worn tires have a negative effect on handling characteristics, especially on wet surfaces.



- Check the front and rear tires for cuts, run-in objects, and other damage.
 - » If the tires have cuts, run-in objects, or other damage:
 - Change the tires. ↗
- Check the tread depth.

**Info**

Observe the minimum tread depth required by national law.

Minimum tread depth	$\geq 2 \text{ mm} (\geq 0.08 \text{ in})$
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- » If the tread depth is less than the minimum tread depth:
 - Change the tires. ↗

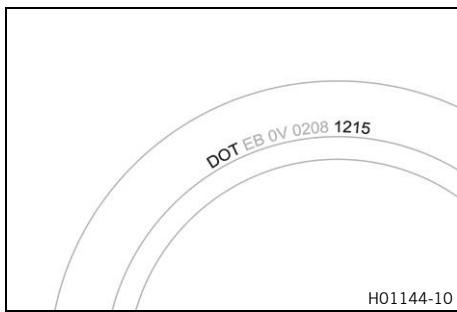
- Check the tire age.

**Info**

The tire date of manufacture is usually contained in the tire label and is indicated by the last four digits of the **DOT** number. The first two digits indicate the week of manufacture and the last two digits the year of manufacture.

KTM recommends that the tires be changed after 5 years at the latest, regardless of the actual state of wear.

- » If the tires are more than 5 years old:
 - Change the tires. ↗

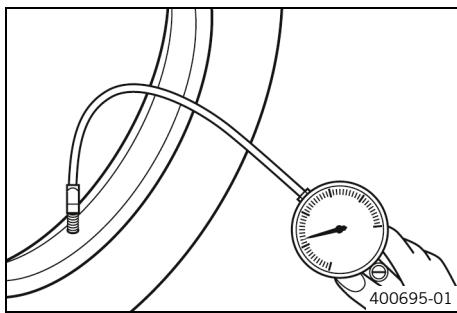


15.7 Checking tire pressure

**Info**

Low tire pressure leads to abnormal wear and overheating of the tire.

Correct tire pressure ensures optimal riding comfort and maximum tire service life.



- Remove the protection cap.
- Check the tire pressure when the tires are cold.

Tire pressure when solo	
-------------------------	--

Tire pressure when solo	
front	2.0 bar (29 psi)
rear	2.0 bar (29 psi)

Tire pressure with passenger / full payload	
---	--

Tire pressure with passenger / full payload	
front	2.0 bar (29 psi)
rear	2.2 bar (32 psi)

- » If the tire pressure does not meet specifications:

- Correct the tire pressure.

- Mount the protection cap.

15.8 Checking the spoke tension (Option: Wire spoked wheels)

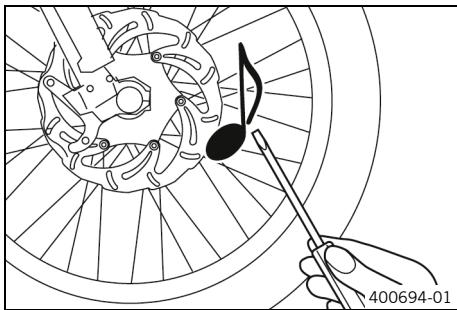


Warning

Danger of accidents Incorrectly tensioned spokes impair the handling characteristic and result in secondary damage.

The spokes break due to being overloaded if they are too tightly tensioned. If the tension in the spokes is too low, then lateral and radial run-out will form in the wheel. Other spokes will become looser as a result.

- Check spoke tension regularly, and in particular on a new vehicle. (Your authorized KTM workshop will be glad to help.)



- Strike each spoke briefly using a screwdriver blade.



Info

The frequency of the sound depends on the spoke length and spoke diameter.

If spokes of the same length and diameter vibrate with a different tone, this is an indication that the spoke tensions differ.

You should hear a high note.

- » If the spoke tension differs:
 - Correct the spoke tension.

16.1 Removing the 12-V battery



Warning

Risk of injury Battery acid and battery gases cause serious chemical burns.

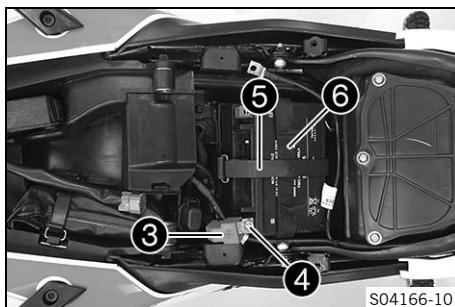
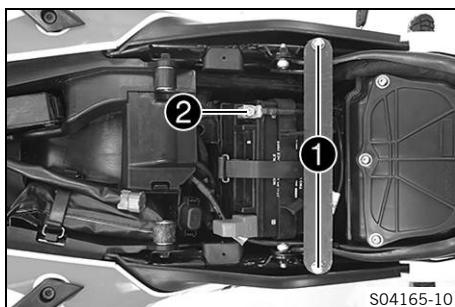
- Keep 12 V batteries out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Avoid contact with battery acid and battery gases.
- Keep sparks or open flames away from the 12 V battery.
- Only charge 12 V batteries in well-ventilated rooms.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes with water for at least 15 minutes and consult a doctor immediately if battery acid and battery gases get into the eyes.

Preparatory work

- Remove the passenger seat. (☞ p. 64)
- Remove the front rider's seat. (☞ p. 65)

Main work

- Remove screws ① and take off the holding bracket.
- Disconnect negative cable ② from the 12-V battery.



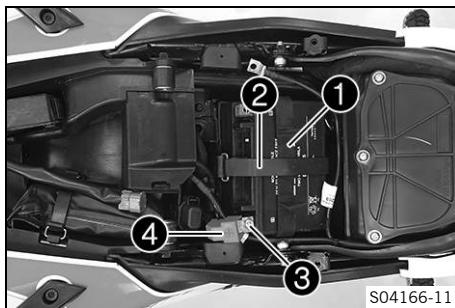
- Pull back positive terminal cover ③.
- Disconnect positive cable ④ from the 12-V battery.
- Unhook rubber strap ⑤ and open rubber strap ⑥.
- Pull the 12-V battery upwards and out of the battery compartment.



Info

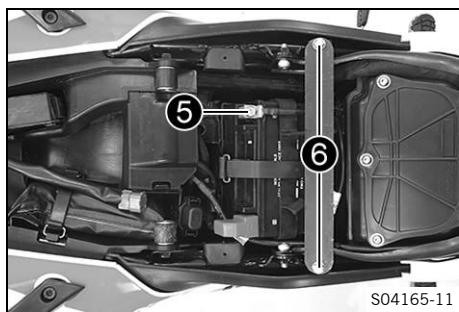
Never operate the motorcycle with a discharged 12-V battery or without a 12-V battery. In both cases, electrical components and safety devices can be damaged. The vehicle will therefore no longer be roadworthy.

16.2 Installing the 12-V battery



Main work

- Position the 12-V battery in the battery compartment.
- 12-V battery (ETZ-9-BS) (☞ p. 120)
- Close rubber strap ① and attach rubber strap ②.
 - Position positive cable ③ and mount and tighten the screw.
 - Position positive terminal cover ④.



- Position negative cable ⑤ and mount and tighten the screw.
 - Position the holding bracket, mount and tighten screws ⑥.
- Guideline

Screw, cross connector	M6	15 Nm (11.1 lbf ft)
------------------------	----	---------------------

Finishing work

- Mount the front rider's seat. (☞ p. 65)
- Mount the passenger seat. (☞ p. 64)
- Set time and date. (☞ p. 38)

16.3 Charging the 12-V battery



Warning

Risk of injury Battery acid and battery gases cause serious chemical burns.

- Keep 12 V batteries out of the reach of children.
- Wear suitable protective clothing and safety glasses.
- Avoid contact with battery acid and battery gases.
- Keep sparks or open flames away from the 12 V battery.
- Only charge 12 V batteries in well-ventilated rooms.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes with water for at least 15 minutes and consult a doctor immediately if battery acid and battery gases get into the eyes.



Note

Environmental hazard 12 V batteries contain environmentally hazardous materials.

- Do not dispose of 12 V batteries as household waste.
- Dispose of 12 V batteries at a collection point for used batteries.



Info

Even when there is no load on the 12-V battery, it discharges steadily each day.

The charging level and the method of charging are very important for the service life of the 12-V battery. Rapid recharging with a high charging current shortens the service life of the battery.

If the charging current, charging voltage, or charging time is exceeded, electrolyte escapes through the safety valves. This reduces the capacity of the 12-V battery.

If the 12-V battery is depleted by repeated starting, the 12-V battery must be charged immediately.

If the 12-V battery is left in a discharged state for an extended period, it will become deeply discharged and sulfating occurs, destroying the battery.

The 12-V battery is maintenance-free. The acid level does not have to be checked.

Preparatory work

- Remove the passenger seat. (☞ p. 64)
- Remove the front rider's seat. (☞ p. 65)
- Disconnect negative cable of the 12-V battery to avoid damage to the onboard electronics.

**Main work**

- Connect a battery charger to the 12-V battery. Switch on the battery charger.

Battery charger (58429074000)

In addition, this battery charger can be used to test the open-circuit voltage, the starting ability of the 12-V battery, and the alternator. It is impossible to overcharge the 12-V battery using this device.

**Info**

Never remove cover 1.

Charge the 12-V battery to a maximum of 10 % of the capacity specified on battery housing 2.

- Switch off the battery charger after charging and disconnect from the 12-V battery.

Guideline

The charging current, charging voltage, and charging time must not be exceeded.	
---	--

Recharge the 12-V battery regularly when the motorcycle is not being used	3 months
---	----------

- Position the negative cable and mount and tighten the screw.
- Position the negative terminal cover.

Finishing work

- Mount the front rider's seat. (☞ p. 65)
- Mount the passenger seat. (☞ p. 64)
- Set time and date. (☞ p. 38)

16.4 Changing the main fuse

**Warning**

Fire hazard Incorrect fuses overload the electrical system.

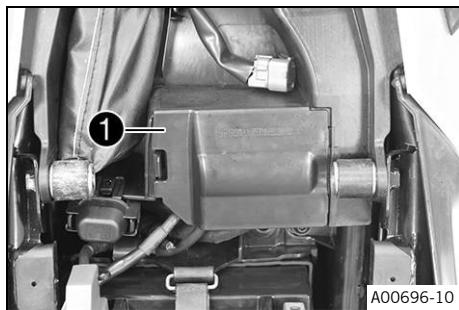
- Only use fuses with the required ampere value.
- Do not bypass or repair fuses.

**Info**

The main fuse protects all electrical power consumers of the vehicle. The main fuse is under the seat.

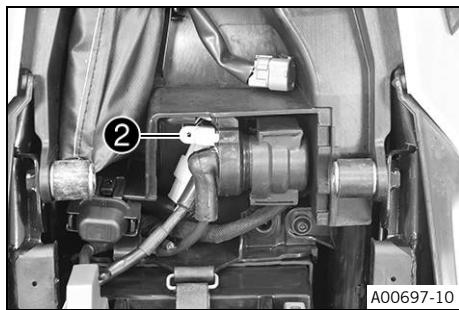
Preparatory work

- Remove the passenger seat. (☞ p. 64)
- Remove the front rider's seat. (☞ p. 65)

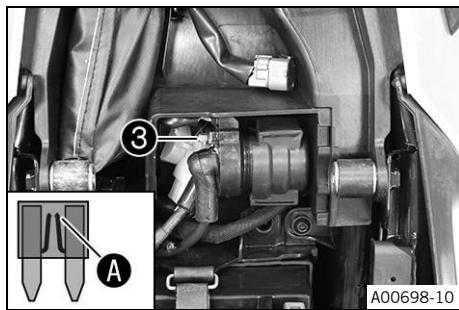


Main work

- Remove cover ①.



- Remove protection cap ②.



- Remove faulty main fuse ③.



Info
A faulty fuse has a burned-out fuse wire A.
A spare fuse is located in the fuse box.

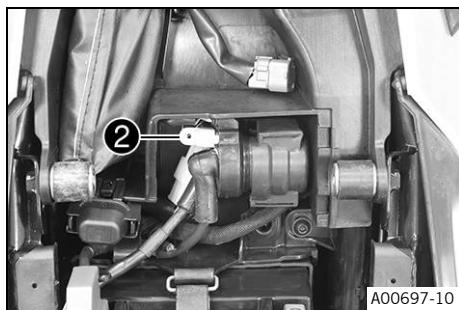
- Insert a new main fuse.

Fuse (75011088030) (☞ p. 120)



Tip
Put a spare fuse in the fuse box so that it is available if needed.

- Mount protection cap ②.



Finishing work

- Mount the front rider's seat. (☞ p. 65)
- Mount the passenger seat. (☞ p. 64)
- Set time and date. (☞ p. 38)

16.5 Changing the ABS fuses



Warning

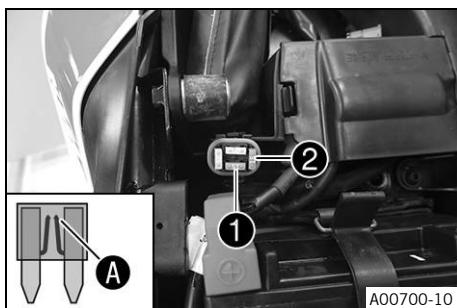
Fire hazard Incorrect fuses overload the electrical system.

- Only use fuses with the required ampere value.
- Do not bypass or repair fuses.



Info

Two fuses for the ABS are located under the passenger seat. These fuses protect the return pump and the hydraulic unit of the ABS. The third fuse, which protects the ABS control unit, is located in the fuse box.



Preparatory work

- Remove the passenger seat. (☞ p. 64)

To change the fuse of the ABS hydraulic unit:

- Take off the protection cap and remove fuse 1.



Info

A faulty fuse has a burned-out fuse wire A.



Warning

Fire hazard Incorrect fuses overload the electrical system.

- Only use fuses with the required ampere value.
- Do not bypass or repair fuses.

- Insert the spare fuse with the correct rating.

Fuse (75011088015) (☞ p. 120)



Tip

Insert spare fuse 2 in the fuse box so that it is available if needed.

- Mount the protection cap.

To change the fuse of the ABS return pump:

- Take off the protection cap and remove fuse 3.



Info

A faulty fuse has a burned-out fuse wire A.



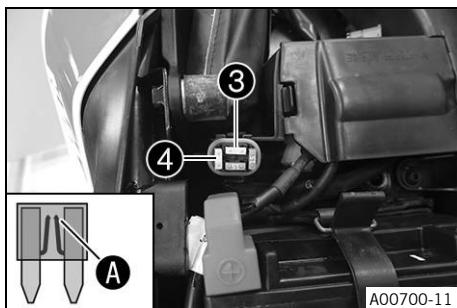
Warning

Fire hazard Incorrect fuses overload the electrical system.

- Only use fuses with the required ampere value.
- Do not bypass or repair fuses.

- Insert the spare fuse with the correct rating.

Fuse (90111088025) (☞ p. 120)





Tip

Insert spare fuse 4 in the fuse box so that it is available if needed.

- Mount the protection cap.

Finishing work

- Mount the passenger seat. (☞ p. 64)

16.6 Changing the fuses of individual electrical power consumers



Info

The fuse box containing the fuses of individual electrical power consumers is located under the passenger seat.



Preparatory work

- Remove the passenger seat. (☞ p. 64)

Main work

- Open fuse box cover 1.
- Remove the faulty fuse.

Guideline

Fuse 1 - not assigned
Fuse 2 - 10 A - combination instrument, fuel pump
Fuse 3 - 10 A - power relay
Fuse 4 - 15 A - ignition coil, start auxiliary relay
Fuse 5 - 20 A - radiator fan
Fuse 6 - 15 A - brake light, turn signal, high beam, low beam, position light, tail light, license plate lamp
Fuse 7 - 10 A - engine control unit, ABS control unit
Fuse 8 - 10 A - emergency OFF switch
Fuse 9 - 10 A - permanent positive for auxiliary equipment (ACC1 front)
Fuse 10 - 15 A - ignition positive for auxiliary equipment (ACC2 front)
Fuse SPARE - 10 A/15 A/20 A/30 A - spare fuses



Info

A faulty fuse has a burned-out fuse wire A.



Warning

Fire hazard Incorrect fuses overload the electrical system.

- Only use fuses with the required ampere value.
- Do not bypass or repair fuses.

- Insert the spare fuse with the correct rating.

Fuse (75011088010) (☞ p. 120)

Fuse (75011088015) (☞ p. 120)

Fuse (75011088030) (☞ p. 120)



Tip

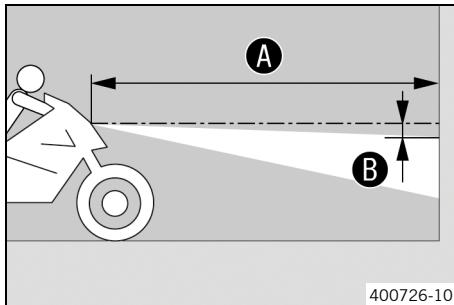
Put a spare fuse in the fuse box so that it is available if needed.

- Check the function of the electrical power consumer.
- Close the fuse box cover ①.

Finishing work

- Mount the passenger seat. (☞ p. 64)

16.7 Checking the headlight setting



- Park the vehicle on a horizontal surface in front of a light-colored wall and make a mark at the height of the center of the low beam headlight.

- Make another mark at a distance B under the first marking.
Guideline

Distance B	5 cm (2 in)
------------	-------------

- Position the vehicle vertical to the wall at distance A from the wall and switch on the low beam.

Guideline

Distance A	5 m (16 ft)
------------	-------------

- The rider now mounts the motorcycle with luggage and passenger if applicable.
- Check the headlight setting.

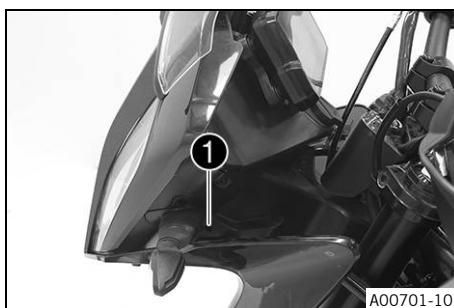
The light-dark boundary must be exactly on the lower marking when the motorcycle is ready to be operated with the rider mounted along with any luggage and a passenger if applicable.

- » If the boundary between light and dark does not meet specifications:
 - Adjust the headlight range. (☞ p. 97)

16.8 Adjusting the headlight range

Preparatory work

- Check the headlight setting. (☞ p. 97)



Main work

- Turn adjusting screw ① to adjust the headlight range.

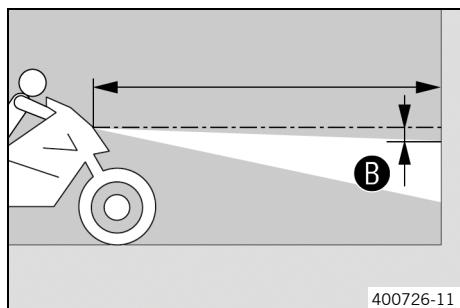


Info

Turn clockwise to increase the headlight range; turn counterclockwise to reduce the headlight range.

If you have a payload, you may have to correct the headlight range.

Screw ① also secures the headlight. Ensure the screw is always screwed in far enough.

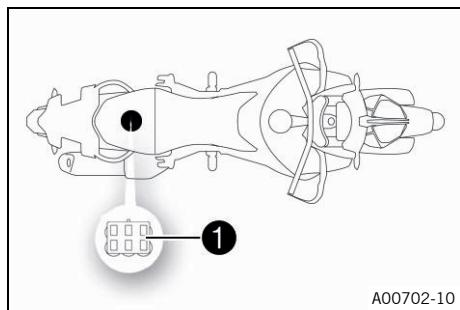


- Set the headlight to marking **B**.

Guideline

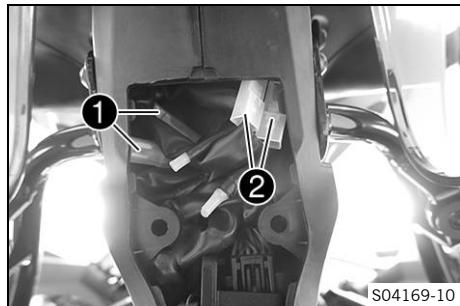
The light-dark boundary must lie exactly on lower marking **B** when the motorcycle is ready to operate with the rider mounted along with any luggage and a passenger if applicable.

16.9 Diagnostics connector



Diagnostics connector **1** is located under the passenger seat.

16.10 Front ACC1 and ACC2



Installation location

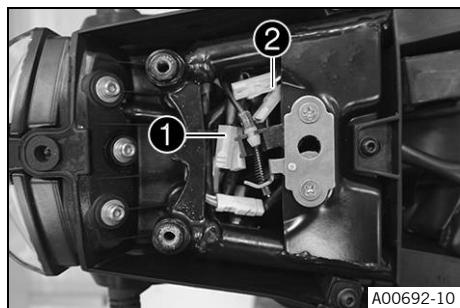
- The front power supplies ACC1 **1** and ACC2 **2** are located behind the headlight.



Info

The front power supplies ACC1 and ACC2 can be accessed under the cable cover of the headlight mask.

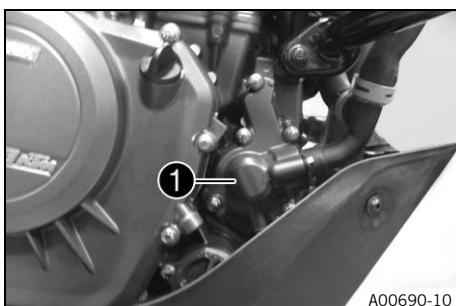
16.11 ACC1 and ACC2 rear



Installation location

- The rear power supplies ACC1 **1** and ACC2 **2** are located under the rear fairing next to the seat lock.

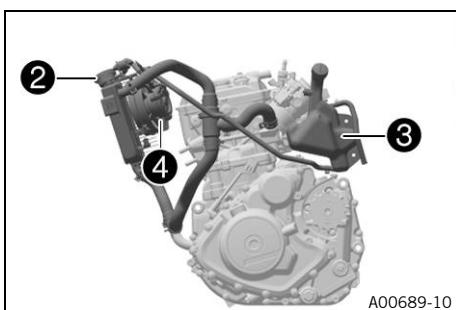
17.1 Cooling system



Water pump ① in the engine ensures forced circulation of the coolant.

The pressure resulting from the warming of the cooling system is regulated by a valve in radiator cap ②. Heat expansion causes excess coolant to flow into compensating tank ③. When the temperature falls, this surplus coolant is sucked back into the cooling system. This ensures that operating the vehicle at the specified coolant temperature will not result in a risk of malfunctions.

110 °C (230 °F)



The coolant is cooled by the air stream and two radiator fans ④, which are activated at high temperature.

The lower the speed, the less the cooling effect. Dirty cooling fins also reduce the cooling effect.



Info

If the cooling system overheats, the maximum engine speed is limited.

17.2 Checking the antifreeze and coolant level



Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

The engine is cold.



- Stand the motorcycle upright on a horizontal surface.
- Remove cap 1 of the compensating tank.
- Check the antifreeze in the coolant.

-25 ... -45 °C (-13 ... -49 °F)

- » If the antifreeze in the coolant does not match the specified value:
 - Correct the antifreeze in the coolant.
- Check the coolant level in the compensating tank.

The coolant level must be between the two markings.

- » If the coolant level does not match the specified value:
 - Correct the coolant level.

Coolant (☞ p. 127)

- Mount the cap of the compensating tank.
- Remove screws 2 and take off the cover.
- Remove radiator cap 3.
- Check the antifreeze in the coolant.

-25 ... -45 °C (-13 ... -49 °F)

- » If the antifreeze in the coolant does not match the specified value:
 - Correct the antifreeze in the coolant.

- Check the coolant level in the radiator.

The radiator must be filled completely.

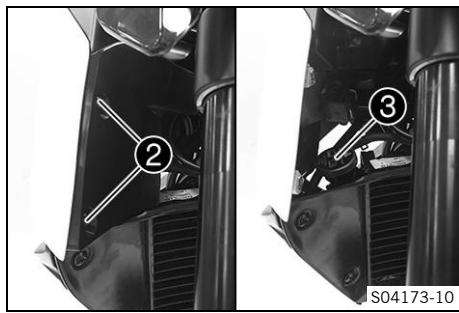
- » If the coolant level does not match the specified value:
 - Check the coolant level and the reason for the loss.

Coolant (☞ p. 127)

- » If you had to add more coolant than the specified amount:
 $> 0.20 \text{ l} (> 0.21 \text{ qt.})$
 - Fill/bleed the cooling system. (☞ p. 102)
- Mount the radiator cap.
- Position the cover, mount and tighten screws 2.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
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17.3 Checking the coolant level



Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

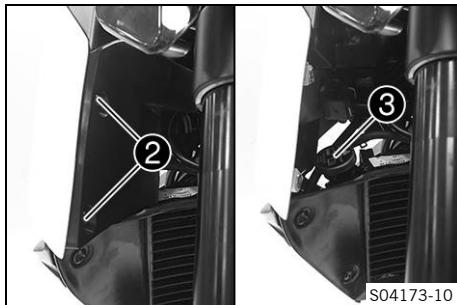
The engine is cold.

- Stand the motorcycle upright on a horizontal surface.
- Check the coolant level in compensating tank ①.

The coolant level must be between the two markings.

- » If the coolant level does not match the specified value:
- Correct the coolant level.

Coolant (☞ p. 127)



- Remove screws ② and take off the cover.
- Remove radiator cap ③ and check the coolant level in the radiator.

The radiator must be filled completely.

- » If the coolant level does not match the specified value:
 - Check the coolant level and the reason for the loss.
- » If you had to add more coolant than the specified amount:
 $> 0.20 \text{ l} (> 0.21 \text{ qt.})$
 - Fill/bleed the cooling system. (☞ p. 102)

- Mount the radiator cap.
- Position the cover, mount and tighten screws ②.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
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17.4 Draining the coolant ☈



Warning

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

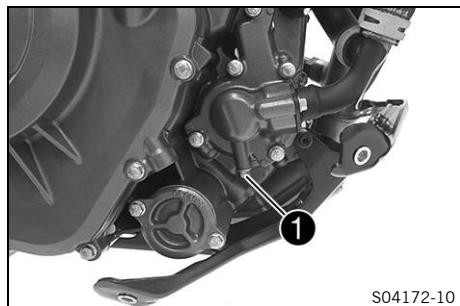
- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.



Condition

The engine is cold.

Preparatory work

- Remove motor guard. (☞ p. 69)

Main work

- Position the motorcycle upright.
- Position an appropriate container under the engine.
- Remove screw 1 with the seal ring.
- Remove the radiator cap.
- Completely drain the coolant.
- Mount and tighten screw 1 with a new seal ring.

Guideline

Screw plug, water pump drain hole	M6	11 Nm (8.1 lbf ft) Loctite®243™
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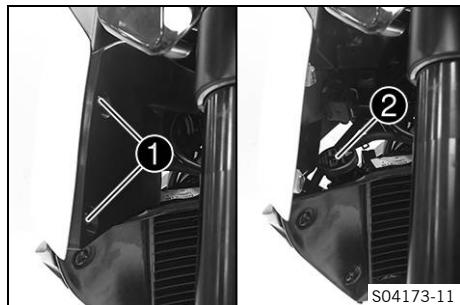
17.5 Filling/bleeding the cooling system



Warning

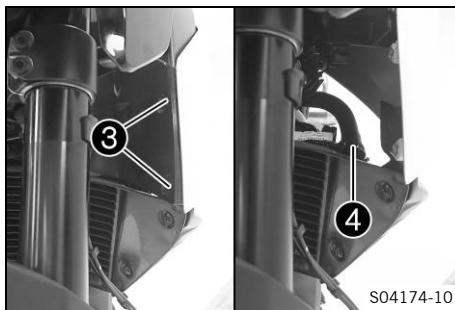
Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.



Main work

- Remove screws 1 and take off the cover.
- Remove radiator cap 2.



S04174-10

- Remove screws ③ and take off the cover.
 - Loosen bleeder screw ④.
- Guideline
- | |
|---------|
| 3 turns |
|---------|
- Tilt the vehicle slightly to the right.
 - Pour in the coolant until it emerges without bubbles at the bleeder screw, and then mount and tighten the bleeder screw immediately.
- Coolant (☞ p. 127)
- Completely fill the radiator with coolant. Mount the radiator cap.
 - Rest the vehicle on the side stand.

**Danger**

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and allow it to warm up.
- Stop the engine and allow it to cool down.
- When the engine is cool, check the coolant level in the radiator and, if necessary, add coolant.
- Remove cap ⑤ of the compensating tank and top up the coolant level to the upper marking.
- Mount the cap of the compensating tank.
- Position the cover, mount and tighten screws ① and ③.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
------------------------------	----	-------------------

Finishing work

- Install the motor guard. (☞ p. 70)

17.6 Changing the coolant

**Warning**

Danger of scalding During motorcycle operation, the coolant gets hot and is under pressure.

- Do not open the radiator, the radiator hoses or other cooling system components if the engine or the cooling system are at operating temperature.
- Allow the cooling system and the engine to cool down before you open the radiator, the radiator hoses or other components of the cooling system.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Warning

Danger of poisoning Coolant is harmful to health.

- Keep coolant out of the reach of children.
- Do not allow coolant to come into contact with the skin, the eyes and clothing.
- Consult a doctor immediately if coolant is swallowed.
- Rinse the affected area immediately with plenty of water in the event of contact with the skin.
- Rinse eyes thoroughly with water and consult a doctor immediately if coolant gets into the eyes.
- Change clothing if coolant spills onto your clothing.

Condition

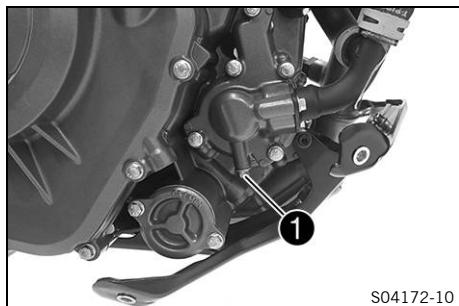
The engine is cold.

Preparatory work

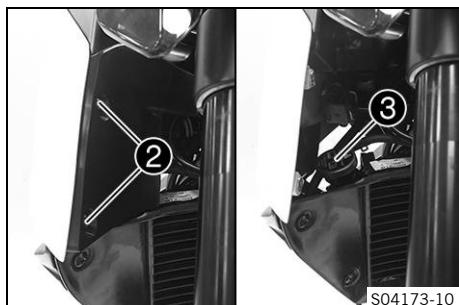
- Remove motor guard. (☞ p. 69)

Main work

- Position the motorcycle upright.
- Position an appropriate container under the engine.
- Remove screw ① with the seal ring.



S04172-10



S04173-10

- Remove screws ② and take off the cover.

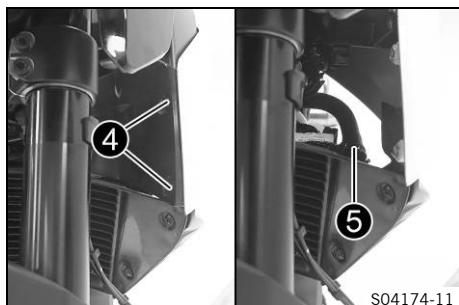
- Remove radiator cap ③.

- Completely drain the coolant.

- Mount and tighten screw ① with a new seal ring.

Guideline

Screw plug, water pump drain hole	M6	11 Nm (8.1 lbf ft) Loctite®243™
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S04174-11

- Remove screws ④ and take off the cover.

- Loosen bleeder screw ⑤.

Guideline

3 turns

- Tilt the vehicle slightly to the right.

- Pour in the coolant until it emerges without bubbles at the bleeder screw, and then mount and tighten the bleeder screw immediately.

Coolant (☞ p. 127)

- Completely fill the radiator with coolant. Mount the radiator cap.
- Rest the vehicle on the side stand.

**Danger**

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.



S04170-12

- Start the engine and allow it to warm up.
- Stop the engine and allow it to cool down.
- When the engine is cool, check the coolant level in the radiator and, if necessary, add coolant.
- Remove cap **6** of the compensating tank and top up the coolant level up to the **MAX** marking.
- Mount the cap of the compensating tank.
- Position the cover, mount and tighten screws **2** and **4**.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
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Finishing work

- Install the motor guard. (☞ p. 70)

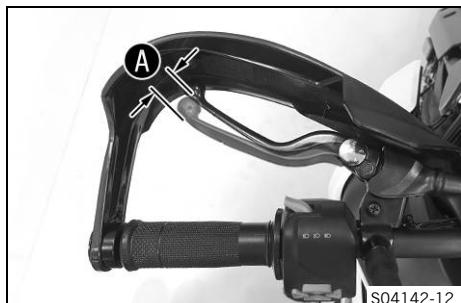


18.1 Checking the clutch lever play

Note

Clutch damage If there is no free travel by the clutch lever, the clutch will begin to slip.

- Check the free travel of the clutch lever each time before using the motorcycle.
- Adjust the free travel of the clutch lever when necessary in accordance with the specification.



- Check the clutch lever for smooth operation.
- Move the handlebar to the straight-ahead position.
- Pull the clutch lever until resistance is perceptible, and determine the play in the clutch lever **A**.

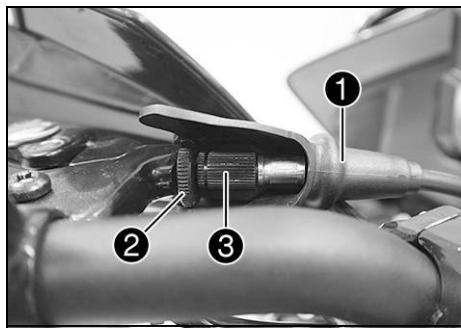
Clutch lever play A	1 ... 3 mm (0.04 ... 0.12 in)
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- » If the clutch lever play does not meet the specified value:
 - Adjust play in the clutch lever. ↗ (p. 106)
- Move the handlebar to and fro over the entire steering range.

The clutch lever play must not change.

- » If the clutch lever play changes:
 - Check the routing of the clutch cable.

18.2 Adjusting play in the clutch lever ↗

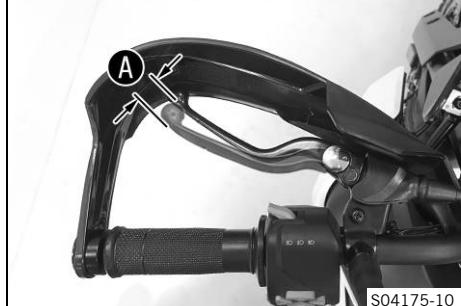


- Move the handlebar to the straight-ahead position.
- Push back sleeve **1**.
- Loosen lock nut **2**.
- Adjust the play in the clutch lever **A** by turning adjusting screw **3**.

Guideline

Clutch lever play A	1 ... 3 mm (0.04 ... 0.12 in)
----------------------------	-------------------------------

- Tighten lock nut **2**.
- Position bellows **1**.



19.1 Checking the engine oil level

Condition

The engine is at operating temperature.

Preparatory work

- Stand the motorcycle upright on a horizontal surface.

Main work

- Check the engine oil level.

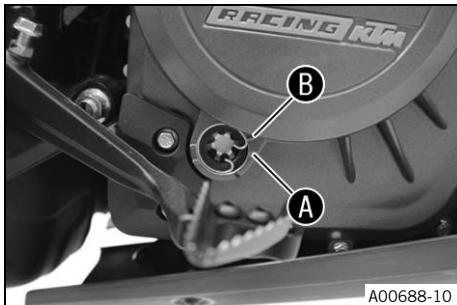


Info

After switching off the engine, wait one minute before checking the level.

The engine oil must be between the **A** and **B** markings .

- » When the engine oil level is below the **A** marking:
 - Add engine oil. (☞ p. 109)
- » When the engine oil level is above the **B** marking:
 - Correct the engine oil level.



A00688-10

19.2 Changing the engine oil and oil filter, cleaning the oil screens ↴



Warning

Danger of scalding Engine and gear oil get hot when the motorcycle is operated.

- Wear suitable protective clothing and safety gloves.
- In the event of scalding, rinse the area affected immediately with lukewarm water.



Note

Environmental hazard Hazardous substances cause environmental damage.

- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.



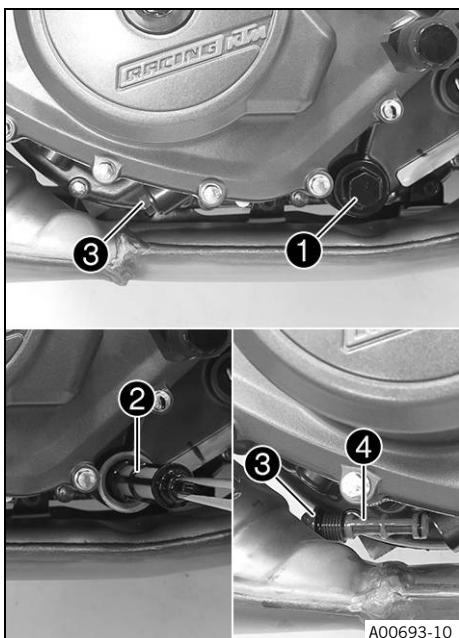
Info

Drain the engine oil while the engine is at operating temperature.

Preparatory work

- Remove motor guard. (☞ p. 69)
- Remove the engine guard retaining bracket. (☞ p. 70)
- Stand the motorcycle on a level surface using the side stand.

19 SERVICE WORK ON THE ENGINE



Main work

- Place an appropriate container under the engine.
- Remove oil drain plug 1 with the O-ring.
- Remove oil screen 2 with the O-ring.
- Remove screw plug 3 with oil screen 4.
- Allow the engine oil to drain completely.
- Thoroughly clean the oil drain plugs and oil screens.
- Position oil screen 2 and mount and tighten oil drain plug 1 with the O-ring.

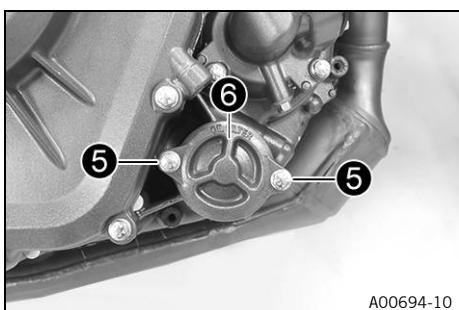
Guideline

Oil drain plug	M24x1.5	13 Nm (9.6 lbf ft)
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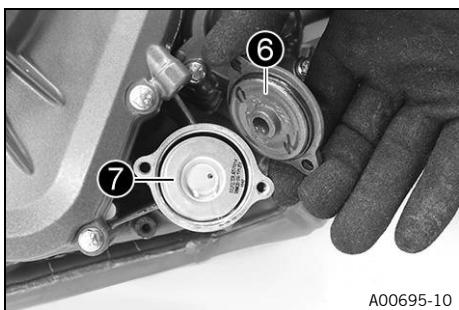
- Mount and tighten screw plug 3 with oil screen 4 and the O-ring.

Guideline

Oil screen screw plug, small	M17x1.5	11 Nm (8.1 lbf ft)
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- Remove screws 5. Take off oil filter cover 6 with the O-ring.
- Pull oil filter 7 out of the oil filter housing.
- Allow the engine oil to drain completely.
- Thoroughly clean the parts and the sealing surface.



- Insert new oil filter 7.
- Oil the O-ring of the oil filter cover. Mount oil filter cover 6.
- Mount and tighten the screws.

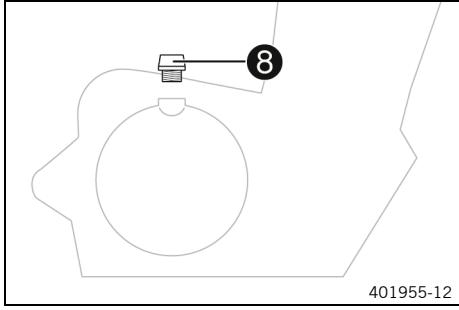
Guideline

Screw, oil filter cover	M6	10 Nm (7.4 lbf ft)
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Info

Too little engine oil or poor-quality engine oil will result in premature wear of the engine.



- Remove filler plug 8 with the O-ring, and fill up with engine oil.

Engine oil	1.7 l (1.8 qt.)	Engine oil (SAE 15W/50) (p. 127)
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- Mount and tighten the filler plug together with the O-ring.

**Danger**

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and check it for leaks.

Finishing work

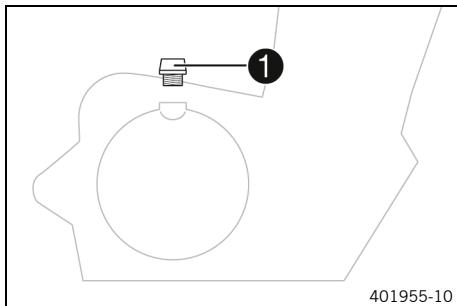
- Install the engine guard retaining bracket. (☞ p. 71)
- Install the motor guard. (☞ p. 70)
- Check the engine oil level. (☞ p. 107)



19.3 Adding engine oil

**Info**

Too little engine oil or poor-quality engine oil will result in premature wear of the engine.

**Main work**

- Remove filler plug 1 with the O-ring, and fill up with engine oil.
- Engine oil (SAE 15W/50) (☞ p. 127)
- In order to achieve optimal engine oil performance, it is not advisable to mix different engine oils. KTM recommends changing the engine oil.
 - Mount and tighten the filler plug together with the O-ring.

**Danger**

Danger of poisoning Exhaust gases are toxic and inhaling them may result in unconsciousness and death.

- Always make sure there is sufficient ventilation when running the engine.
- Use effective exhaust extraction when starting or running the engine in an enclosed space.

- Start the engine and check for leaks.

Finishing work

- Check the engine oil level. (☞ p. 107)



20.1 Cleaning the motorcycle

Note

Material damage Components become damaged or destroyed if a pressure cleaner is used incorrectly.

The high pressure forces water into the electrical components, connectors, throttle cables, and bearings, etc.

Pressure which is too high causes malfunctions and destroys components.

- Do not direct the water jet directly on to electrical components, connectors, throttle cables or bearings.
- Maintain a minimum distance between the nozzle of the pressure cleaner and the component.

Minimum clearance

60 cm (23.6 in)



Note

Environmental hazard Hazardous substances cause environmental damage.

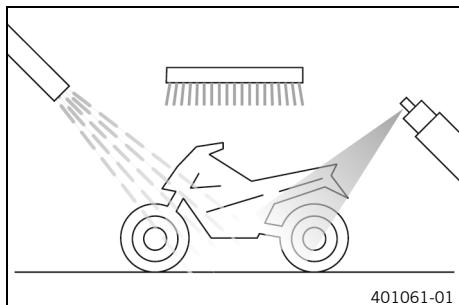
- Dispose of oils, grease, filters, fuel, cleaning agents, brake fluid, etc., correctly and in compliance with the applicable regulations.



Info

Clean the motorcycle regularly to maintain its value and appearance over a long period.

Avoid direct sunshine when cleaning the motorcycle.



- Close off exhaust system to keep water from entering.
- Remove loose dirt first with a soft jet of water.
- Spray the heavily soiled parts with a normal commercial motorcycle cleaner and clean using a brush.

Motorcycle cleaner (☞ p. 129)



Info

Use warm water containing normal motorcycle cleaner and a soft sponge.

Never apply motorcycle cleaner to a dry motorcycle; always rinse the vehicle with water first.

Clean the motorcycle with cold water if it has been used on salted roads. Warm water enhances the corrosive effects of salt.

- After rinsing the motorcycle with a gentle spray of water, allow it to dry thoroughly.
- Remove the closure of the exhaust system.



Warning

Danger of accidents Moisture and dirt impair the brake system.

- Brake carefully several times to dry out and remove dirt from the brake linings and the brake discs.

- After cleaning, ride the vehicle a short distance until the engine warms up.



Info

The heat produced causes water at inaccessible locations in the engine and on the brake system to evaporate.

- Push back the sleeves of the handlebar controls to allow any water that has penetrated to evaporate.
- After the motorcycle has cooled down, lubricate all moving parts and pivot points.
- Clean the chain. (☞ p. 66)
- Treat bare metal (except for brake discs and the exhaust system) with a corrosion inhibitor.

Preserving materials for paints, metal and rubber
(☞ p. 129)

- Treat all painted parts with a mild paint care product.

Perfect finish and high gloss polish for paints (☞ p. 129)



Info

Do not polish parts that were matte when delivered as this would strongly impair the material quality.

- Treat all plastic parts and powder-coated parts with a mild cleaning and care product.

Special cleaner for glossy and matte paint finishes, metal and plastic surfaces (☞ p. 129)

- Lubricate the ignition and steering lock.

Universal oil spray (☞ p. 129)

20.2 Checks and maintenance steps for winter operation



Info

If you use the motorcycle in winter, you must expect salt on the roads. You should therefore take precautions against aggressive road salt.

Clean the motorcycle with cold water if it has been used on salted roads. Warm water enhances the corrosive effects of salt.



- Clean the motorcycle. (☞ p. 110)
- Clean the brakes.



Info

After **EVERY** trip on salted roads, thoroughly clean the motorcycle and, in particular, the brake calipers and brake linings, after they have cooled down and without removing them, with cold water and dry carefully.

- Treat the engine, the link fork, and all other bare or zinc-plated parts (except the brake discs) with a wax-based corrosion inhibitor.



Info

Corrosion inhibitor must not come in contact with the brake discs as this would greatly reduce the braking force.

- Clean the chain. (☞ p. 66)

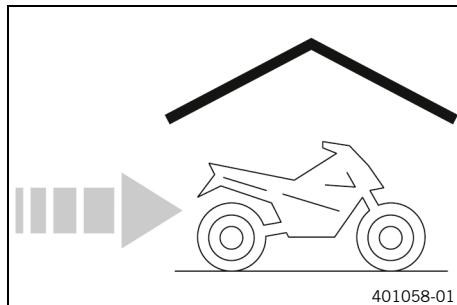
21.1 Storage



Info

If you plan to garage the motorcycle for a longer period, perform the following steps or have them performed.

Before storing the motorcycle, check all parts for function and wear. If service, repairs, or replacements are necessary, you should do this during the storage period (less workshop overload). In this way, you can avoid long workshop waiting times at the start of the new season.



401058-01

- When refueling for the last time before taking the motorcycle out of service, add fuel additive.

Fuel additive (☞ p. 129)

- Refuel. (☞ p. 55)



Tip

Fill the fuel tank completely as specified, using fuel with the lowest possible ethanol content.

- Clean the motorcycle. (☞ p. 110)
- Change the engine oil and the oil filter, clean the oil screens. (☞ p. 107)
- Check the antifreeze and coolant level. (☞ p. 99)
- Check tire pressure. (☞ p. 89)
- Remove the 12-V battery. (☞ p. 91)
- Charge the 12-V battery. (☞ p. 92)

Guideline

Storage temperature of the 12-V battery without direct sunlight	0 ... 35 °C (32 ... 95 °F)
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- Store the vehicle in a dry location that is not subject to large fluctuations in temperature.



Info

KTM recommends jacking up the motorcycle.

- Raise the motorcycle with the rear lifting gear. (☞ p. 62)
- Lift the motorcycle with the front lifting gear. (☞ p. 62)
- Cover the motorcycle with a tarp or cover that is permeable to air.

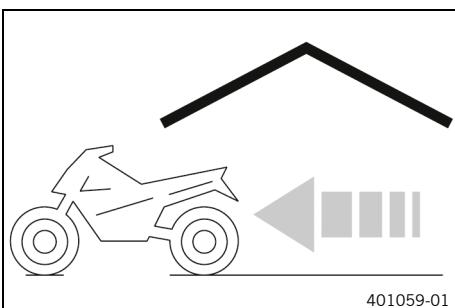


Info

Do not use non-porous materials since they prevent humidity from escaping, thus causing corrosion.

Avoid running the engine for a short time only. Since the engine cannot warm up properly, the water vapor produced during combustion condenses and causes valves and the exhaust system to rust.

21.2 Preparing for use after storage



- Take the motorcycle off the front lifting gear. (☞ p. 63)
- Remove the rear of the motorcycle from the lifting gear. (☞ p. 62)
- Install the 12-V battery. 🔋 (☞ p. 91)
- Set time and date. (☞ p. 38)
- Perform checks and maintenance measures when preparing for use. (☞ p. 48)
- Take a test ride.



Faults	Possible cause	Action
The engine does not turn when the start button is pressed	Operating error	– Carry out start procedure. (☞ p. 48)
	12-V battery discharged	– Charge the 12-V battery. ↗ (☞ p. 92)
	Main fuse or fuse 3, 4 or 7 blown	– Change the fuses of individual electrical power consumers. (☞ p. 96) – Change the main fuse. (☞ p. 93)
	No ground connection present	– Check the ground connection.
Engine turns only if the clutch lever is drawn	The vehicle is in gear	– Shift the transmission into neutral.
	The vehicle is in gear and the side stand is folded out	– Shift the transmission into neutral.
Engine turns but does not start	Operating error	– Carry out start procedure. (☞ p. 48)
	Malfunction in the electronic fuel injection	– Read out the fault memory using the KTM diagnostics tool. ↗
Engine has too little power	Air filter is very dirty	– Change the air filter.
	Fuel filter is very dirty	– Check the fuel pressure. ↗
	Malfunction in the electronic fuel injection	– Read out the fault memory using the KTM diagnostics tool. ↗
Engine overheats	Too little coolant in cooling system	– Check the cooling system for leakage. – Check the coolant level. (☞ p. 100)
	Radiator fins very dirty	– Clean the radiator fins.
	Foam formation in cooling system	– Drain the coolant. ↗ (☞ p. 101) – Fill/bleed the cooling system. ↗ (☞ p. 102)
	Thermostat defective	– Check the thermostat. ↗
	Fuse 5 blown	– Change the fuses of individual electrical power consumers. (☞ p. 96)
	Defect in radiator fan system	– Check the radiator fan system. ↗
Malfunction indicator lamp lights up yellow	Malfunction in the electronic fuel injection	– Read out the fault memory using the KTM diagnostics tool. ↗
Engine dies during the trip	Lack of fuel	– Refuel. (☞ p. 55)
	Main fuse or fuse 3, 4 or 7 blown	– Change the fuses of individual electrical power consumers. (☞ p. 96) – Change the main fuse. (☞ p. 93)
The ABS warning lamp lights up	ABS fuse blown	– Change the ABS fuses. (☞ p. 95)
	Large difference in wheel speeds of the front and rear wheels	– Stop the vehicle, switch off the ignition, and start it again.
	Malfunction in ABS	– Read out the fault memory using the KTM diagnostics tool. ↗
High oil consumption	Engine vent hose bent	– Route the vent hose without bends or change it if necessary.
	Engine oil level too high	– Check the engine oil level. (☞ p. 107)
	Engine oil too thin (low viscosity)	– Change the engine oil and the oil filter, clean the oil screens. ↗ (☞ p. 107)
Headlight and position light are not functioning	Fuse 6 blown	– Change the fuses of individual electrical power consumers. (☞ p. 96)
Turn signal, brake light, and horn are not functional	Fuse 4 or 6 blown	– Change the fuses of individual electrical power consumers. (☞ p. 96)
Time is not displayed or not correctly displayed	Fuse 2 is blown	– Change the fuses of individual electrical power consumers. (☞ p. 96)

Faults	Possible cause	Action
12 V battery discharged	Ignition was not switched off when vehicle was parked	<ul style="list-style-type: none">– Charge the 12-V battery.  (p. 92)
	The 12-V battery is not being charged by the alternator	<ul style="list-style-type: none">– Check the charging voltage. – Check the open-circuit current. 
The combination instrument shows nothing on the display	Fuse 2 is blown	<ul style="list-style-type: none">– Change the fuses of individual electrical power consumers.  (p. 96)
Speedometer in combination instrument not functioning	Speedometer wiring harness is damaged or plug-in connector is oxidized	<ul style="list-style-type: none">– Check the wiring harness and plug-in connector.

23.1 Engine

Design	1-cylinder 4-stroke engine, water-cooled
Displacement	373 cm ³ (22.76 cu in)
Stroke	60 mm (2.36 in)
Hole	89 mm (3.5 in)
Compression ratio	12.54:1
Control	DOHC, four valves controlled via cam lever, chain drive
Intake valve diameter	36 mm (1.42 in)
Exhaust valve diameter	29 mm (1.14 in)
Valve clearance, intake, cold	0.10 ... 0.15 mm (0.0039 ... 0.0059 in)
Valve clearance, exhaust, cold	0.15 ... 0.20 mm (0.0059 ... 0.0079 in)
Crankshaft bearing	2 slide bearings
Conrod bearing	Sleeve bearing
Pistons	Forged light alloy
Piston rings	1 compression ring, 1 tapered compression piston ring, 1 oil scraper ring
Engine lubrication	Pressure circulation lubrication with 2 trochoidal pumps
Primary transmission	30:80
Clutch	Slipper clutch in oil bath/mechanically operated
Transmission	6-gear transmission, claw shifted
Transmission ratio	
1st gear	12:32
2nd gear	14:26
3rd gear	19:27
4th gear	21:24
5th gear	23:22
6th gear	25:21
Mixture preparation	Electronic fuel injection
Ignition	Contactless controlled fully electronic ignition with digital ignition adjustment
Alternator	12 V, 230 W
Spark plug	BOSCH VRGNEU
Spark plug gap	1 mm (0.04 in)
Cooling	Water cooling, permanent circulation of coolant by water pump
Idle speed	1,680 ± 50 rpm
Starting aid	Starter motor

23.2 Engine tightening torques

Oil nozzle	M5	4 Nm (3 lbf ft) Loctite®243™
Screw, crankshaft speed sensor	M5	5 Nm (3.7 lbf ft) Loctite®243™
Screw, gear position sensor	M5	5 Nm (3.7 lbf ft) Loctite®243™
Screw, retaining bracket, shift drum bearing	M5	6 Nm (4.4 lbf ft) Loctite®243™
Screw, retaining bracket, stator cable	M5	7 Nm (5.2 lbf ft) Loctite®243™
Screw, shift shaft sensor	M5	7 Nm (5.2 lbf ft) Loctite®243™
Screw, stator	M5	8 Nm (5.9 lbf ft) Loctite®243™
Nut, water pump impeller	M6	8 Nm (5.9 lbf ft) Loctite®243™
Oil nozzle	M6	5 Nm (3.7 lbf ft) Loctite®243™
Screw plug, water pump drain hole	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, alternator cover	M6	11 Nm (8.1 lbf ft)
Screw, bearing retainer	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, camshaft bearing support	M6	10 Nm (7.4 lbf ft)
Screw, camshaft, decompression shaft	M6	10 Nm (7.4 lbf ft) Loctite®243™
Screw, chain securing guide	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, clutch cable retaining bracket	M6	6 Nm (4.4 lbf ft) Loctite®243™
Screw, clutch cover	M6	11 Nm (8.1 lbf ft)
Screw, clutch spring	M6	10 Nm (7.4 lbf ft)
Screw, cylinder head	M6	11 Nm (8.1 lbf ft)
Screw, engine case	M6x35	11 Nm (8.1 lbf ft)
Screw, engine case	M6x75	11 Nm (8.1 lbf ft) Loctite®243™
Screw, engine vent plate	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, freewheel gear retaining bracket	M6	10 Nm (7.4 lbf ft) Loctite®243™
Screw, lock washer, engine sprocket	M6	12 Nm (8.9 lbf ft) Loctite®243™
Screw, locking lever	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, oil filter cover	M6	10 Nm (7.4 lbf ft)
Screw, oil pump	M6	11 Nm (8.1 lbf ft) Loctite®243™

23 TECHNICAL SPECIFICATIONS

Screw, retaining bracket	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, retaining bracket, radial shaft seal ring, clutch cover	M6	12 Nm (8.9 lbf ft) Loctite®243™
Screw, shift drum locating unit	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, starter motor	M6	11 Nm (8.1 lbf ft)
Screw, timing chain tensioner	M6	11 Nm (8.1 lbf ft)
Screw, timing chain tensioning rail	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, unlocking for timing chain tensioner	M6	7 Nm (5.2 lbf ft)
Screw, valve cover	M6	11 Nm (8.1 lbf ft)
Screw, water pump cover	M6	11 Nm (8.1 lbf ft)
Nut, exhaust flange	M8	21 Nm (15.5 lbf ft)
Screw plug	M8	10 Nm (7.4 lbf ft)
Screw, balancer shaft gear wheel	M8	39 Nm (28.8 lbf ft) Loctite®243™
Screw, spring thrust bearing of the shift shaft	M8	20 Nm (14.8 lbf ft) Loctite®243™
Stud, exhaust flange	M8	21 Nm (15.5 lbf ft)
Screw, conrod bearing	M8.5x0.75	1st stage 31.5 Nm (23.23 lbf ft) 2nd stage 41 Nm (30.2 lbf ft) 75°
Coolant temperature sensor	M10	13 Nm (9.6 lbf ft)
Oil pressure sensor	M10	13 Nm (9.6 lbf ft)
Screw, camshaft gear wheel	M10	35 Nm (25.8 lbf ft) Loctite®243™
Screw, cylinder head	M10	1st stage 30 Nm (22.1 lbf ft) 2nd stage 64 Nm (47.2 lbf ft) Thread is oiled, head flat is greased
Screw, rotor	M10	105 Nm (77.4 lbf ft) Loctite®243™
Screw plug, cam lever axis	M10x1	11 Nm (8.1 lbf ft) Loctite®243™
Spark plug	M12	20 Nm (14.8 lbf ft)
Nut, inner clutch hub	M14LHx1.5	72 Nm (53.1 lbf ft) Loctite®243™
Nut, primary gear wheel/timing chain sprocket	M16x1.5	150 Nm (110.6 lbf ft) Loctite®243™
Oil screen screw plug, small	M17x1.5	11 Nm (8.1 lbf ft)
Screw plug, alternator cover	M18x1.5	9 Nm (6.6 lbf ft)
Oil drain plug	M24x1.5	13 Nm (9.6 lbf ft)
Screw plug, alternator cover	M24x1.5	6 Nm (4.4 lbf ft)

Nut, drive gear wheel for balancer shaft	M28	65 Nm (47.9 lbf ft) Loctite®243™
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23.3 Capacities

23.3.1 Engine oil

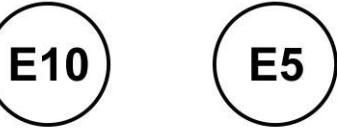
Engine oil	1.7 l (1.8 qt.)	Engine oil (SAE 15W/50) (☞ p. 127)
------------	-----------------	---------------------------------------

23.3.2 Coolant

Coolant	1.2 l (1.3 qt.)	Coolant (☞ p. 127)
---------	-----------------	--------------------

23.3.3 Fuel

Please observe the labels on EU fuel pumps.



A00420-10

Total fuel tank capacity, approx.	14.5 l (3.83 US gal)	Super unleaded (ROZ 95) (☞ p. 128)
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Fuel reserve, approx.	3.5 l (3.7 qt.)
-----------------------	-----------------

23.4 Chassis

Frame	Lattice frame of steel tubes, powder-coated
Fork (EU/JP/UK/AR/CO)	WP APEX 3343
Shock absorber (EU/JP/UK/AR/CO)	WP APEX 3446
Fork (ASEAN/CN/PH)	WP Suspension
Shock absorber (ASEAN/CN/PH)	WP Suspension
Brake system	
front	Disc brake with 4-piston brake caliper
rear	Disc brake with single-pot brake caliper, floating
Suspension travel (EU/JP/UK/AR/CO)	
front	170 mm (6.69 in)
rear	177 mm (6.97 in)
Suspension travel (ASEAN/CN/PH)	
front	143 mm (5.63 in)
rear	151 mm (5.94 in)
Brake discs - diameter	
front	320 mm (12.6 in)
rear	230 mm (9.06 in)
Brake discs - wear limit	

23 TECHNICAL SPECIFICATIONS

front	4.5 mm (0.177 in)
rear	3.6 mm (0.142 in)
Tire pressure when solo	
front	2.0 bar (29 psi)
rear	2.0 bar (29 psi)
Tire pressure with passenger / full payload	
front	2.0 bar (29 psi)
rear	2.2 bar (32 psi)
Secondary ratio	15:45
Chain	5/8 x 1/4" (520) X-ring
Steering head angle	63.5°
Wheelbase	1,430 ± 15.5 mm (56.3 ± 0.61 in)
Seat height, unloaded (EU/JP/UK/AR/CO)	855 mm (33.66 in)
Seat height, unloaded (ASEAN/CN/PH)	830 mm (32.68 in)
Ground clearance, unloaded (EU/JP/UK/AR/CO)	200 mm (7.87 in)
Ground clearance, unloaded (ASEAN/CN/PH)	160 mm (6.3 in)
Weight without fuel, approx.	161 kg (355 lb.)
Maximum permissible front axle load	127 kg (280 lb.)
Maximum permissible rear axle load	275 kg (606 lb.)
Maximum permissible overall weight	375 kg (827 lb.)

23.5 Electrical system

12-V battery	ETZ-9-BS	Battery voltage: 12 V Nominal capacity: 8 Ah Maintenance-free
Fuse	75011088010	10 A
Fuse	75011088015	15 A
Fuse	90111088025	25 A
Fuse	75011088030	30 A

Headlight	LED
Position light	LED
Combination instrument lighting and indicator lamps	LED
Turn signal	LED
Brake/tail light	LED
License plate lamp	LED

23.6 Tires

Front tire	Rear tire
100/90 - 19 M/C 57T M+S TL Continental TKC 70	130/80 - 17 M/C 65T M+S TL Continental TKC 70
The tires specified represent one of the possible series production tires. For alternative manufacturers, if any, contact an authorized dealer or qualified tire dealership. If local road approval regulations apply, these and the respective technical specifications must be observed. Additional information is available in the Service section under: KTM.COM	

23.7 Fork**23.7.1 EU/JP/UK/AR/CO**

Fork article number	05.58.8T.31
Fork	WP APEX 3343
Fork length	797 mm (31.38 in)
Compression damping	
Comfort	17 clicks
Standard	15 clicks
Sport	10 clicks
Full payload	15 clicks
Rebound damping	
Comfort	20 clicks
Standard	15 clicks
Sport	10 clicks
Full payload	15 clicks
Spring rate	
Medium (standard)	5.7 N/mm (32.5 lb/in)
Spring length with preload spacer(s)	399 mm (15.71 in)
Fork oil per fork leg	455 ± 5 ml (15.38 ± 0.17 fl. oz.)
	Fork oil (SAE 5) (☞ p. 128)

23.7.2 ASEAN/CN/PH

Fork article number	F201368010
Fork	WP Suspension
Fork length	770 mm (30.31 in)
Spring rate	
Medium (standard)	5.7 N/mm (32.5 lb/in)
Spring length with preload spacer(s)	384 mm (15.12 in)
Fork oil	450 ... 460 ml (15.21 ... 15.55 fl. oz.)
	Fork oil (SAE 5) (☞ p. 128)

23.8 Shock absorber**23.8.1 EU/JP/UK/AR/CO**

Shock absorber article number	01.58.5T.31
Shock absorber	WP APEX 3446
Spring preload	
Comfort	3 clicks
Standard	3 clicks
Sport	3 clicks
Full payload	10 clicks
Rebound damping	
Comfort	15 clicks
Standard	10 clicks
Sport	5 clicks

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Full payload	10 clicks
Static sag	12 mm (0.47 in)
Riding sag	34 mm (1.34 in)
Spring rate	
Medium (standard)	150 N/mm (857 lb/in)
Spring length	180 mm (7.09 in)
Inbuilt length	307 mm (12.09 in)
Gas pressure	16 bar (232 psi)
Shock absorber oil	Shock absorber fluid (SAE 2.5) (50180751S1) (☞ p. 128)

23.8.2 ASEAN/CN/PH

Shock absorber article number	S201357010
Shock absorber	WP Suspension
Spring preload	
Standard	3 clicks
Static sag	12 mm (0.47 in)
Riding sag	34 mm (1.34 in)
Spring rate	
Medium (standard)	150 N/mm (857 lb/in)
Spring length	172 mm (6.77 in)
Fitted length	298 mm (11.73 in)
Gas pressure	16 bar (232 psi)
Shock absorber oil	Shock absorber fluid (SAE 2.5) (50180751S1) (☞ p. 128)

23.9 Chassis tightening torques

Exhaust clamp	-	20 Nm (14.8 lbf ft)
Screw, chain guard	EJOT PT® K60x30	3 Nm (2.2 lbf ft)
Remaining screws, chassis	M4	4 Nm (3 lbf ft)
Screw, tail light	M4	2 Nm (1.5 lbf ft)
Remaining nuts, chassis	M5	5 Nm (3.7 lbf ft)
Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
Screw, compensating tank cap lock, rear brake	M5	9 Nm (6.6 lbf ft)
Screw, fuel tank cover	M5	4 Nm (3 lbf ft)
Screw, outer clutch cable guide	M5	5 Nm (3.7 lbf ft) Loctite®243™
Screw, side stand sensor	M5	5 Nm (3.7 lbf ft) Loctite®243™
Spoke nipple	M5	4.5 Nm (3.32 lbf ft)
Nut, foot brake lever adjustment	M6	9 Nm (6.6 lbf ft)
Nut, foot brake lever adjustment	M6	10 Nm (7.4 lbf ft)
Nut, radiator	M6	5 Nm (3.7 lbf ft)
Nut, shift rod	M6	6 Nm (4.4 lbf ft)

Remaining nuts, chassis	M6	15 Nm (11.1 lbf ft)
Remaining screws, chassis	M6	9 Nm (6.6 lbf ft)
Screw, ABS hose clamp	M6	7 Nm (5.2 lbf ft)
Screw, ABS module	M6	10 Nm (7.4 lbf ft)
Screw, ABS module retaining bracket on frame	M6	7 Nm (5.2 lbf ft)
Screw, air filter box	M6	6 Nm (4.4 lbf ft)
Screw, brake fluid reservoir for rear brake	M6	8 Nm (5.9 lbf ft) Loctite®243™
Screw, brake hose clamp	M6	7 Nm (5.2 lbf ft)
Screw, chain guard	M6	3 Nm (2.2 lbf ft) Loctite®243™
Screw, chain sliding guard	M6	7 Nm (5.2 lbf ft)
Screw, combination instrument	M6	7 Nm (5.2 lbf ft)
Screw, compensating tank	M6	5 Nm (3.7 lbf ft)
Screw, cross connector	M6	15 Nm (11.1 lbf ft)
Screw, damper block	M6	8 Nm (5.9 lbf ft)
Screw, engine guard	M6	9 Nm (6.6 lbf ft) Loctite®243™
Screw, engine guard retaining bracket	M6	9 Nm (6.6 lbf ft) Loctite®243™
Screw, engine sprocket cover	M6	8 Nm (5.9 lbf ft)
Screw, foot brake cylinder	M6	8 Nm (5.9 lbf ft) Loctite®243™
Screw, front fender	M6	7 Nm (5.2 lbf ft)
Screw, front seat fixing	M6	6 Nm (4.4 lbf ft)
Screw, front spoiler	M6x13	9 Nm (6.6 lbf ft)
Screw, front spoiler rear	M6x9	9 Nm (6.6 lbf ft)
Screw, fuel pump	M6	10 Nm (7.4 lbf ft)
Screw, fuel tank trim	M6	5 Nm (3.7 lbf ft)
Screw, fuel tank trim	M6	7 Nm (5.2 lbf ft)
Screw, headlight	M6	8 Nm (5.9 lbf ft)
Screw, holder of fuel vapor valve	M6	9 Nm (6.6 lbf ft)
Screw, ignition coil	M6	8 Nm (5.9 lbf ft)
Screw, ignition lock (tamper-proof screw)	M6	13 Nm (9.6 lbf ft)
Screw, license plate holder	M6	12 Nm (8.9 lbf ft) Loctite®243™
Screw, lower rear panel	M6	7 Nm (5.2 lbf ft)
Screw, magnetic holder on side stand	M6	5 Nm (3.7 lbf ft) Loctite®243™
Screw, main silencer	M6	12 Nm (8.9 lbf ft)
Screw, main silencer retaining bracket	M6	9 Nm (6.6 lbf ft)
Screw, protective plate	M6	8 Nm (5.9 lbf ft)
Screw, radiator holder	M6	10 Nm (7.4 lbf ft)
Screw, radiator shield	M6	7 Nm (5.2 lbf ft)

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Screw, rear splash protector	M6	9 Nm (6.6 lbf ft)
Screw, rear wheel speed sensor	M6	8 Nm (5.9 lbf ft) Loctite®243™
Screw, shift lever linkage	M6	11 Nm (8.1 lbf ft) Loctite®243™
Screw, side stand sensor cable holder	M6	9 Nm (6.6 lbf ft) Loctite®243™
Screw, tilt sensor	M6	8 Nm (5.9 lbf ft) Loctite®243™
Screw, wheel speed sensor holder	M6	8 Nm (5.9 lbf ft)
Nut, rear sprocket	M8	38 Nm (28 lbf ft)
Remaining nuts, chassis	M8	30 Nm (22.1 lbf ft)
Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)
Screw, bottom triple clamp	M8	12 Nm (8.9 lbf ft)
Screw, engine bearer	M8	22 Nm (16.2 lbf ft)
Screw, foot brake lever	M8	16 Nm (11.8 lbf ft) Loctite®243™
Screw, fork stub	M8	15 Nm (11.1 lbf ft)
Screw, front brake disc	M8	29 Nm (21.4 lbf ft) Loctite®243™
Screw, front seat fixing	M8	25 Nm (18.4 lbf ft)
Screw, front wheel spindle	M8	25 Nm (18.4 lbf ft)
Screw, fuel tank	M8	20 Nm (14.8 lbf ft)
Screw, grab handle	M8	22 Nm (16.2 lbf ft)
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)
Screw, horn	M8	12 Nm (8.9 lbf ft)
Screw, main silencer	M8	23 Nm (17 lbf ft)
Screw, passenger footrest unit	M8	20 Nm (14.8 lbf ft) Loctite®243™
Screw, rear brake disc	M8	29 Nm (21.4 lbf ft) Loctite®243™
Screw, rear seat fixing	M8	18 Nm (13.3 lbf ft)
Screw, seat support plate	M8	18 Nm (13.3 lbf ft)
Screw, shift lever	M8	16 Nm (11.8 lbf ft) Loctite®243™
Screw, subframe	M8	25 Nm (18.4 lbf ft) Loctite®243™
Screw, top triple clamp	M8	15 Nm (11.1 lbf ft)
Screw, front brake caliper	M8x1	32 Nm (23.6 lbf ft) Loctite®243™
Banjo bolt, brake line	M10	24 Nm (17.7 lbf ft)
Fitting side stand	M10	35 Nm (25.8 lbf ft) Loctite®243™
Fitting, engine mounting bracket	M10	49 Nm (36.1 lbf ft)
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)
Remaining screws, chassis	M10	46 Nm (33.9 lbf ft)
Screw, engine bearer	M10	48 Nm (35.4 lbf ft) Loctite®243™

Screw, handlebar support	M10	40 Nm (29.5 lbf ft)
Fitting, shock absorber, bottom	M10x1.25	50 Nm (36.9 lbf ft) Loctite®243™
Nut, left rear mirror	M10x1.25	16 Nm (11.8 lbf ft)
Nut, right rear mirror	M10LHx1.25	16 Nm (11.8 lbf ft)
Nut, side stand bracket	M10x1.25	36 Nm (26.6 lbf ft)
Screw, combination instrument bracket	M10x1.25	21 Nm (15.5 lbf ft)
Screw, front footrest bracket	M10x1.25	45 Nm (33.2 lbf ft) Loctite®243™
Screw, front footrest bracket / engine bearer	M10x1.25	49 Nm (36.1 lbf ft)
Screw, top shock absorber	M10x1.25	50 Nm (36.9 lbf ft) Loctite®243™
Stud, rear sprocket	M10x1.25	50 Nm (36.9 lbf ft)
Threaded bolt, side stand bracket	M10x1.25	27 Nm (19.9 lbf ft) Loctite®243™
Nut, rear wheel spindle	M14x1.5	100 Nm (73.8 lbf ft)
Nut, swingarm pivot	M14x1.5	100 Nm (73.8 lbf ft)
Screw, steering head, top	M16x1.5	53 Nm (39.1 lbf ft)
Lambda sensor	M18x1.5	19 Nm (14 lbf ft)
Adjusting ring, link fork bearing	M22x1	Tighten and ensure that there is no play
Nut, steering head	M30x1	1st stage 45 Nm (33.2 lbf ft) 2nd stage (loosen, counterclockwise) 2 turns 3rd stage 5 Nm (3.7 lbf ft)
Nut, steering head	M30x1	5 Nm (3.7 lbf ft)

24.1 Declarations of conformity



Info

The functional and equipment scope is model-dependent and may not include all wireless systems and application areas referred to.

COBO SpA hereby declares that the **BT-ROUTER** wireless system conforms with the relevant guidelines. The full text of the Declaration of Conformity is available at the following Internet address.

Certification website: <http://www.ktm.com/btrouter>

JNS Instruments Ltd. hereby declares that the **210M1100** wireless system conforms with the relevant guidelines. The full text of the Declaration of Conformity is available at the following Internet address.

Certification website: <http://www.ktm.com/210m1100>

Brake fluid DOT 4 / DOT 5.1

Standard/classification

- DOT

Guideline

- Use only brake fluid that complies with the specified standard (see specifications on the container) and that exhibits the corresponding properties.

Recommended supplier

Castrol

- **REACT PERFORMANCE DOT 4**

MOTOREX®

- **Brake Fluid DOT 5.1**

Coolant

Guideline

- Only use high-grade, silicate-free coolant with corrosion inhibitor additive for aluminum motors. Low grade and unsuitable antifreeze causes corrosion, deposits and frothing.
- Do not use pure water as only coolant is able to meet the requirements needed in terms of corrosion protection and lubrication properties.
- Only use coolant that complies with the requirements stated (see specifications on the container) and that has the relevant properties.

Antifreeze protection to at least	-25 °C (-13 °F)
-----------------------------------	-----------------

The mixture ratio must be adjusted to the necessary antifreeze protection. Use distilled water if the coolant needs to be diluted.

The use of premixed coolant is recommended.

Observe the coolant manufacturer specifications for antifreeze protection, dilution and miscibility (compatibility) with other coolants.

Recommended supplier

MOTOREX®

- **COOLANT M3.0**

Engine oil (SAE 15W/50)

Standard/classification

- JASO T903 MA2 (p. 130)
- SAE (p. 130) (SAE 15W/50)

Guideline

- Use only engine oils that comply with the specified standards (see specifications on the container) and that exhibit the corresponding properties.

Partially synthetic engine oil

Recommended supplier

MOTOREX®

- **Formula 4T**

Fork oil (SAE 5)

Standard/classification

- SAE (p. 130) (SAE 5)

Guideline

- Use only oils that comply with the specified standards (see specifications on the container) and that possess the corresponding properties.

Recommended supplier

MOTOREX®

- Racing Fork Oil

Shock absorber fluid (SAE 2.5) (50180751S1)

Standard/classification

- SAE (p. 130) (SAE 2.5)

Guideline

- Use only oils that comply with the specified standards (see specifications on the container) and that exhibit the corresponding properties.

Super unleaded (ROZ 95)

Standard/classification

- DIN EN 228 (ROZ 95)

Guideline

- Only use super unleaded fuel that matches or is equivalent to the specified standard.
- Fuel with an ethanol content of up to 10% (E10 fuel) is safe to use.



Info

Do **not** use fuel containing methanol (e.g., M15, M85, M100) or more than 10% ethanol (e.g., E15, E25, E85, E100).

Chain cleaner

Recommended supplier

MOTOREX®

- Chain Clean

Fuel additive

Recommended supplier

MOTOREX®

- Fuel Stabilizer

Long-life grease

Recommended supplier

MOTOREX®

- Bike Grease 2000

Motorcycle cleaner

Recommended supplier

MOTOREX®

- Moto Clean

Perfect finish and high gloss polish for paints

Recommended supplier

MOTOREX®

- Moto Shine

Preserving materials for paints, metal and rubber

Recommended supplier

MOTOREX®

- Moto Protect

Special cleaner for glossy and matte paint finishes, metal and plastic surfaces

Recommended supplier

MOTOREX®

- Quick Cleaner

Street chain spray

Guideline

Recommended supplier

MOTOREX®

- Chainlube Road Strong

Universal oil spray

Recommended supplier

MOTOREX®

- Joker 440 Synthetic

JASO T903 MA2

Different technical development directions required a separate specification for motorcycles – the **JASO T903 MA2** standard.

Earlier, engine oils from the automobile industry were used for motorcycles because there was no separate motorcycle specification.

Whereas long service intervals are demanded for automobile engines, the focus for motorcycle engines is on high performance at high engine speeds.

In most motorcycle engines, the transmission and clutch are lubricated with the same oil.

The **JASO T903 MA2** standard meets these special requirements.

SAE

The SAE viscosity classes were defined by the Society of Automotive Engineers and are used for classifying oils according to their viscosity. The viscosity describes only one property of oil and says nothing about quality.

ABS	Anti-lock braking system	Safety system that prevents locking of the wheels when driving straight ahead without the influence of lateral forces
-	KTM MY RIDE	System for wireless communication with appropriate cellphones and headsets for telephony and audio
OBD	On-board diagnosis	Vehicle system, which monitors the specified parameters of the vehicle electronics
-	Quickshifter +	Engine electronics function for shifting up and down without clutch actuation

29 LIST OF ABBREVIATIONS

Art. no.	Article number
ca.	circa
cf.	compare
e.g.	for example
etc.	et cetera
i.a.	inter alia
no.	number
poss.	possibly

30.1 Red symbols

Red symbols indicate an error condition that requires immediate intervention.

	The oil pressure warning lamp lights up red – The oil pressure is too low. Stop immediately, taking care not to endanger yourself or other road users in the process, and switch off the engine.
---	--

30.2 Yellow and orange symbols

Yellow and orange symbols indicate an error condition that requires prompt intervention. Active driving aids are also represented by yellow or orange symbols.

	Malfunction indicator light lights up yellow – The OBD has detected a malfunction in the vehicle electronics. Come safely to a halt, and contact an authorized KTM workshop.
	The ABS warning lamp lights up yellow – Status or error messages relating to ABS.
	TC indicator lamp lights up yellow – MTC is not enabled or is currently intervening. The TC indicator lamp also lights up if a malfunction is detected. Contact an authorized KTM workshop. The TC indicator lamp flashes if MTC makes an active intervention.
	The general warning lamp lights up yellow – A note/warning note on operating safety has been detected. This is shown in addition.

30.3 Green and blue symbols

Green and blue symbols reflect information.

	The turn signal indicator lamp flashes green simultaneously with the turn signal – The turn signal is switched on.
	The idle indicator lamp lights up green – The transmission is in neutral.
	The high beam indicator light lights up blue – The high beam is switched on.

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17.02.2023





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MANUAL DE GARANTÍA

ENTRY LEVEL



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Anexo Información de seguridad

Verifique la carátula de este manual para conocer cuál de los siguientes dispositivos de seguridad posee su vehículo.



**SISTEMA
ANTIBLOQUEO
DE FRENOS**

Sistema diseñado para evitar que las ruedas se bloqueen al frenar de forma brusca mientras se circula en línea recta, el sistema regula automáticamente la fuerza de frenado.

Aunque el sistema ABS proporciona estabilidad al detenerse, recuerde las siguientes características:

- * Para frenar de forma eficaz, deje de acelerar y utilice la leva de freno delantero y el pedal de freno trasero simultáneamente, de la misma manera que en el sistema de frenos de una motocicleta convencional.
- * El ABS no puede compensar las condiciones adversas de la carretera, un error de juicio o un uso incorrecto de los frenos.



**SISTEMA DE ENCENDIDO
AUTOMÁTICO DE LUCES (AHB)**

Sistema diseñado para que una vez se ponga el motor en marcha, la luz principal de la farola se encienda automáticamente.

Este sistema garantiza una mayor visibilidad del vehículo para los demás actores viales.



**SISTEMA DE LUCES
DE CIRCULACIÓN DIURNA (DRL)**

Sistema de iluminación LED, el cual se enciende automáticamente al girar el interruptor de encendido a "ON".

Mientras la farola principal esté apagada, la luz LED alumbrará intensamente, si se enciende la farola principal, la luz LED se atenuará automáticamente.

No se recomienda dejar el interruptor de encendido en "ON" mientras el motor no esté en funcionamiento porque la batería se descargará prematuramente.

IMPORTANTE

Antes de encender el motor
verifique si el nivel de
Aceite es el adecuado.
Ver sección

MANTENIMIENTO
DEL
MOTOR

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INTRODUCCIÓN

¡Felicitaciones! Usted acaba de adquirir una motocicleta (en adelante el "Vehículo") de marca **KTM** reconocida mundialmente por su altísima calidad y excelentes especificaciones, que en Colombia cuenta con todo el respaldo de Autotécnica Colombiana S.A.S. (en adelante "Auteco" o "la Compañía"). Su nuevo Vehículo es el producto de la avanzada ingeniería automotriz, de pruebas exhaustivas y de continuos esfuerzos por lograr confiabilidad, seguridad y rendimiento. Estamos seguros, que el Vehículo probará ser digno de su elección y de que usted estará orgulloso de su funcionamiento. Lea este Manual antes de conducir, de modo que usted esté completamente familiarizado con la operación apropiada de los controles del Vehículo, sus características, capacidades y limitaciones. Para asegurar una larga vida, sin problemas para su Vehículo, dele el cuidado apropiado y el mantenimiento descritos en este Manual, confíe el mantenimiento y reparaciones, y exija siempre repuestos genuinos a su Centro de Servicio Autorizado de KTM. Nosotros le ofrecemos 10 revisiones de servicio programado para mantener su Vehículo en perfectas condiciones. Favor solicitarlos a nuestros Centros de Servicio Autorizado de KTM.

Debido a las continuas mejoras en el diseño y en el rendimiento que ocurren durante la

producción, en algunos casos pueden existir diferencias menores entre el Vehículo real y las ilustraciones y el texto de este Manual. En caso de que usted desee tener alguna información detallada sobre el Vehículo, consulte al agente comercial o concesionario autorizado de Auteco.

AUTOTÉCNICA COLOMBIANA S.A.S. - AUTECO.

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Medellín Colombia

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! IMPORTANTE

El fabricante se reserva el derecho de realizar en cualquier momento, sin obligación de actualizar este Manual, modificaciones en el Vehículo, sus partes o accesorios, según pueda ser conveniente y necesario.

Las imágenes contenidas en el presente manual son de referencia, el producto adquirido por usted corresponde a las características indicadas al momento de la compra y pueden no corresponder exactamente con lo aquí contenido.

MUY IMPORTANTE TENER EN CUENTA

DESDE EL PRIMER DÍA.

LO FELICITAMOS:

Usted ha adquirido un Vehículo, con los últimos avances tecnológicos. Pero su máxima calidad y su inigualada presentación no bastan, si usted no se convierte en un perfecto conductor y presta a su Vehículo los sencillos cuidados y atenciones que requiere.

Con su Vehículo KTM y con el respaldo de Auteco usted ha pasado al campo de las personas motorizadas; es decir, que gozan de plena libertad para ir donde quieran y cuando quieran, con máxima facilidad y economía. Esto nos complace profundamente y por eso estamos muy interesados en que usted disfrute al máximo su nueva y mejor situación.

Para contribuir a ello, hemos extractado algunas recomendaciones para el buen uso y mantenimiento de su Vehículo, de obligatorio cumplimiento:

Millones de máquinas, como la suya, ruedan por todo el mundo en excelentes condiciones. Y la razón es que tienen un buen propietario. Usted debe y puede serlo.

LEA Y ESTUDIE CUIDADOSAMENTE SU "MANUAL DE GARANTÍA Y MANTENIMIENTO" Y SIGA SUS INSTRUCCIONES EXACTA Y OPORTUNAMENTE.

Con ello habrá creado una nueva y agradable afición, que le evitará pérdidas de tiempo, dinero y bienestar.

EJERCÍTESE EN ESTAS OPERACIONES, HASTA DOMINARLAS:

- Verifique siempre el nivel de aceite del motor.
- Verifique diariamente el nivel de líquido refrigerante (Si aplica)
- Verifique y calibre la presión de aire de las llantas.
- Verifique el nivel del líquido de frenos. (Si aplica)
- Verifique la tensión de los frenos. (Si aplica)
- Limpie, verifique y lubrique la cadena.

MUY IMPORTANTE TENER EN CUENTA

SIEMPRE TENGA EN CUENTA:

Su Vehículo está diseñado para trabajar con gasolina de automóvil, para experimentar la máxima potencia y desempeño de su Vehículo, use el combustible recomendado por KTM (Ver sección COMBUSTIBLE)

SIEMPRE:

PRECAUCIÓN: No llene completamente el depósito de gasolina, porque ésta, como se expande fácilmente, se rebosará por el respiradero de la tapa del deposito de combustible.

Y SIEMPRE:

Mantenga la presión de aire de las llantas según la recomendación (Ver sección DATOS TÉCNICOS). Esto incrementará la vida útil de las llantas y disminuirá el consumo de combustible.

Use siempre los dos frenos (delantero y trasero) simultáneamente. Practique desde el principio hasta que lo haga sin pensarlo. No use uno solo. Dedique un rato cada semana al cuidadoso aseo de su Vehículo y a revisar y ajustar los tornillos y tuercas.

SI NO ES EXPERTO, NO ENSAYE EN SU MÁQUINA: LLÉVELA A UN CENTRO DE SERVICIO AUTORIZADO KTM.

Conduzca respetando las normas de tránsito y tenga especial cuidado durante la noche y los días lluviosos.

MANTENGA CONSIGO OBLIGATORIAMENTE:

Licencia de transito

Herramienta del vehículo

Licencia de conducción

Tecnomecánica (Si aplica)

Seguro obligatorio SOAT

Casco

ES MUY RECOMENDABLE:

Impermeable

Gafas

Chaqueta

Guantes

CUANDO SALGA DE VIAJE:

Inflador de mano

Bujía nueva

Cables

Bombillos nuevos

Medidor de presión del

Otras herramientas

aire de las llantas

SUGERENCIAS PARA CONDUCIR CON SEGURIDAD

Un motociclista inteligente es aquel que quiere seguir disfrutando su pasión por muchos años y por eso, no se arriesga inútilmente. Auteco presenta el top 10 del motociclista seguro.

- 1.** Use un buen casco de seguridad y manténgalo siempre abrochado. El casco no es únicamente para evitar una infracción de tránsito, use uno que realmente ofrezca protección en caso de un accidente.
- 2.** Maneje a la defensiva, asuma que nadie lo ha visto en la vía para que pueda anticiparse a las emergencias.
- 3.** Nunca adelante entre dos vehículos en movimiento. Cualquier movimiento inesperado de uno de ellos puede hacer que pierda el control del Vehículo y sufrir un accidente.
- 4.** Evite transitar sobre las líneas y señales blancas y amarillas cuando la vía se encuentre mojada y manténgase atento a las manchas de aceite dejados por otros vehículos.
- 5.** Use siempre las direccionales, stop, luz frontal para indicar a otros conductores cuál será su próxima maniobra, apóyese visualmente en los retrovisores para una conducción más segura y tenga en cuenta que es posible que los objetos se vean más cerca de lo que realmente se encuentran.
- 6.** Mantenga la presión de aire de las llantas según la recomendación de este Manual (Ver cuadro de especificaciones técnicas). Las llantas con exceso o falta de presión comprometen la adherencia del Vehículo al piso y hacen que la conducción se vuelva inestable y peligrosa. Además aumenta el consumo de combustible si la presión es baja.
- 7.** Utilice siempre ambos frenos a la hora de detenerse. Recuerde que el freno delantero lleva el 70% de la potencia de frenado y el trasero el 30%. Trate de practicar la maniobra de frenado en una zona segura y despejada para que a la hora de una emergencia, pueda hacerlo sin problemas.
- 8.** Antes de girar o atravesar un cruce, mire a la izquierda, luego a la derecha y nuevamente a la izquierda. Esta maniobra sirve para asegurarse que un vehículo no aparecerá en el último momento.
- 9.** Al adelantar otro vehículo hágalo solamente por la izquierda. Adelantar por la derecha es extremadamente peligroso.
- 10.** Maneje más despacio de lo que su capacidad y la del Vehículo se lo permita. En caso de una imprudencia de un tercero (otro vehículo, peatones, huecos, etc.) tendrá los reflejos y la potencia extra que se necesitan para sortear la situación.

AUTECO CUIDA NUESTRO PLANETA



"ENTREGA LAS LLANTAS Y LAS BATERÍAS USADAS Y CONTRIBUYE CON EL CUIDADO DEL AMBIENTE"

Procedimiento para la devolución de las llantas y baterías usadas de plomo ácido o gel

Somos responsables de cerrar el ciclo de las llantas y las baterías que ponemos en el mercado de forma ambientalmente segura. Esto lo logramos a través de una cadena de logística inversa, recogiendo en los Centros de Servicio Autorizados (CSA) de Auteco en ciudades y municipios de todo el país las llantas y las baterías usadas de plomo ácido de nuestras motocicletas.

Para la recolección y reciclaje de las llantas contamos con aliados en el país para lograr que las llantas recolectadas lleguen a la industria cementera para su uso como material combustible reemplazando el carbón; todo esto cumpliendo las exigencias y estándares ambientales. De esta manera cerramos su ciclo y reducimos la huella de carbono.

Para la disposición final adecuada de las baterías contamos con la corporación Recoenergy como aliada. Por medio de ella se gestionan las baterías usadas de plomo-ácido de forma ambientalmente segura, las cuales una vez han cumplido su vida útil requieren ser recolectadas y recicladas de manera adecuada y segura para aprovechar nuevamente el plomo que contienen. Recuerde que su Vehículo recibe alimentación eléctrica a través de una batería de tipo plomo – ácido (Pb – ácido) o de tipo gel. Ella permite que su Vehículo funcione adecuadamente. Para ubicar la batería en su Vehículo refiérase al interior de su Manual para identificar el lugar exacto en el modelo que hoy conduce.

AUTECO CUIDA NUESTRO PLANETA

Las baterías contienen elementos nocivos para la salud (Plomo y Ácido Sulfúrico), por lo tanto usted no debe manipular su contenido. Evite perforarla o incinerarla, esto puede ser perjudicial para su salud y nocivo para el ambiente. No la deseche junto con los desperdicios domésticos. Entréguela para que sea reciclada en todos los casos.



PRECAUCIÓN: No perfore ni incinere la batería

MEDIDAS DE PRECAUCIÓN A SEGUIR PARA PREVENIR RIESGOS A LA SALUD Y AL AMBIENTE.

Usted como usuario del Vehículo, al portar una batería en él, según la Resolución 0372 del Ministerio de Ambiente y desarrollo sostenible, deberá cooperar con estos mecanismos de recolección para evitar una mala disposición de este residuo peligroso al igual que tiene la obligación de no disponer como residuo sólido doméstico las llantas usadas de su vehículo según la Resolución 1326 del Ministerio de Ambiente y desarrollo sostenible y entregar estos residuos a los centros de servicio autorizados (CSA) de la red, los cuales serán los centros de acopio autorizados para tal fin.

Contamos con su ayuda para evitar una mala disposición de este desecho peligroso y así evitar deteriorar nuestro ambiente y la salud de los habitantes del planeta.

DESPEGUE Y CONSEJOS PARA EL AHORRO DE COMBUSTIBLE

Los primeros 1.000 km de recorrido del Vehículo se denominan período de despegue.

El periodo de despegue es crucial y un manejo adecuado durante este periodo contribuirá a garantizar una mayor vida útil y mejor rendimiento del motor.

La velocidad máxima del motor recomendada durante el período de despegue es :

7500 rpm

Varíe constantemente la velocidad del motor indicada sin excederla, para un mejor acoplamiento de los componentes del motor.

No acelere excesivamente el motor, ni lo lleve al por encima de este límite de revoluciones.

No mueva el Vehículo inmediatamente después de encender el motor. Deje que el motor se caliente al menos por un minuto a bajas revoluciones para permitir que el aceite lubrique la parte superior del motor.

Después de encender el Vehículo y durante el tiempo de calentamiento del motor, presione y libere lentamente la leva del embrague en tres

ocasiones, con el fin de facilitar la lubricación del embrague y otros componentes del motor

No deje que se agote el motor, baje al cambio inmediato de más fuerza antes de que se agote. Conducir a la velocidad apropiada y evitar la aceleración y el frenado innecesarios, es importante no solo para la seguridad y bajo consumo de combustible, sino también para prolongar la vida útil del Vehículo y una operación más suave.

Si conduce dentro del límite de 60 km/h, se asombrará de la economía en el consumo de combustible.

Asegúrese que los frenos no estén impidiendo el giro normal de las llantas, ni tampoco se acostumbre a conducir con el pedal de freno accionado.

Apague el motor si va a estar detenido por más de dos minutos.

Chequee todas las mangueras y los cables. Inspeccione periódicamente la bujía.

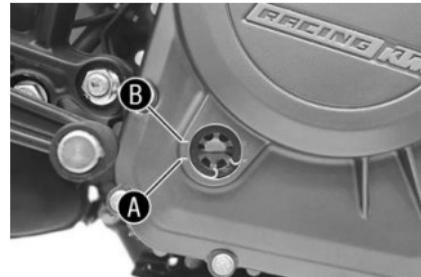
ACEITE DE MOTOR

Revise el nivel de aceite de motor periódicamente.

1. Ubique el Vehículo caliente sobre una superficie plana, el Vehículo debe quedar perpendicular al suelo.
2. Limpie la zona del visor de aceite (1).



3. Revise el nivel en el visor de aceite (1).
4. El nivel de aceite debe estar entre las marcas mínima (A) y máxima (B), como lo ven en la figura.
5. Si el nivel de aceite está por debajo del mínimo, limpie el tapón de llenado de aceite (2), retire y adicione la cantidad de aceite recomendado en el motor hasta alcanzar el nivel máximo.



6. Limpie nuevamente el tapón de llenado de aceite con un paño limpio e instale.

NOTA:

No realizar esta operación puede causar daños irreversibles en componentes internos del motor.

Especificaciones de aceite de motor exigidas por el fabricante	
Clasificación	JASO T903 MA2
Viscosidad	15W/50
Capacidad de aceite	Ver sección cantidades de llenado
Auteco y KTM le recomienda	Motorex Formula 4T (SAE 15W50)

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CENTROS DE SERVICIO AUTORIZADO (CSA) KTM

**RECONOZCA LOS CENTROS
DE SERVICIO AUTORIZADO EN TODO EL PAÍS**



Para un buen funcionamiento de su Vehículo y para mantener la validez de la garantía correspondiente, utilice únicamente partes originales y llévela exclusivamente a los Centros de Servicio Autorizados (CSA) Auteco-KTM.

Podrá consultar la lista de Centros de Servicio Autorizados (CSA) KTM actualizada, ingresando al siguiente link:

<https://www.auteco.com.co/donde-estamos/>



The banner features the Auteco logo and the text "80 AÑOS LIDERANDO LA MOVILIDAD EN COLOMBIA". It also includes the slogan "¡Viviendo en el futuro, desde hace 80 años!" and links to TVS, KTM, Husqvarna, Servicio Técnico, Crédito, Nosotros, and Tienda Online.

**¡Viviendo en el futuro,
desde hace 80 años!**

auteco | 80 AÑOS LIDERANDO LA MOVILIDAD EN COLOMBIA

TVS ▾ KTM ▾ HUSQVARNA ▾ SERVICIO TÉCNICO CRÉDITO NOSOTROS ▾ TIENDA ONLINE

Encuentre en la página web de Auteco una amplia y útil sección con toda la información relacionada con los repuestos y accesorios para todos los productos de las marcas Auteco.

Ingresé al sitio web de Auteco, donde podrá encontrar repuestos y accesorios en el menú ubicado en la parte superior de la página.

<https://www.auteco.com.co/motos-auteco/>

PARA ENCONTRAR LOS SIGUIENTES SERVICIOS:

- Descargar los catálogos de partes con el despiece de las motocicletas y los códigos de las partes.
- Actualizaciones técnicas y cambios en las partes.

GARANTÍA AUTECO

Apreciado cliente, nos es grato comunicarle que su Vehículo disfruta no sólo de la Garantía Legal, sino también de una Garantía Suplementaria ofrecida por Auteco, las cuales, a continuación, pasamos a explicarle.

GARANTÍA LEGAL

La Garantía Legal cubre los primeros seis (6) meses o seis mil (6.000) kilómetros, lo que primero se cumpla, contados a partir de la entrega del Vehículo al primer usuario que la hubiere comprado a un distribuidor autorizado de Auteco; la garantía es la que ampara su Vehículo contra cualquier defecto de fabricación de las piezas o de montaje de las mismas, y es brindada por Auteco mediante la red de Centros de Servicio Autorizados (CSA) KTM del país.

GARANTÍA SUPLEMENTARIA

La Garantía Suplementaria, es un período adicional de garantía ofrecido por Auteco, con características, cobertura y duración especiales y distintas al periodo de garantía legal de seis (6) meses o seis mil (6.000) kilómetros. Esta garantía suplementaria de dieciocho (18) meses más sin límite de kilómetros, lo que primero se cumpla, comenzará a correr al día siguiente al de la expiración del término de la Garantía Legal.

Lo anterior significa que, al comprar su Vehículo nuevo en Auteco, éste contaría con una Garantía Legal y una Garantía Suplementaria, por lo que usted disfrutará del servicio de Auteco durante un lapso total de veinticuatro (24) meses, sin límite de kilómetros, en las condiciones anotadas en este Manual.

La Garantía Suplementaria otorgada gratuitamente luego de la terminación de la Garantía Legal, comprende exclusivamente el cambio o reparación, sin costo, de las piezas afectadas, así como el trabajo requerido para efectuar la reparación, todo ello de acuerdo con el concepto técnico mecánico emitido por el personal de la ensambladora o su delegado, en el que se diagnostique un defecto de fabricación de la pieza o de montaje de la misma, que tenga que ver con la calidad e idoneidad del Vehículo.

Por lo tanto, esta Garantía Suplementaria gratuita se circunscribe a lo aquí contemplado exclusivamente. Ninguna otra actuación o intervención diferente a lo contemplado en este párrafo está incluida en esta Garantía Suplementaria.

GARANTÍA AUTECO

Para hacer efectiva la Garantía Suplementaria, el Vehículo deberá haber asistido oportunamente a todas las revisiones técnicas obligatorias estipuladas en este Manual.

En las revisiones técnicas obligatorias usted, como usuario, solo tiene que asumir el costo de las partes que por su uso sufren un desgaste natural, tal como se detallan expresamente en el título de EXCLUSIONES, y los costos de la mano de obra, necesaria para efectuar la reparación o cambio de dichas piezas, a excepción de las revisiones que en los cupones del presente Manual se establezcan como gratuitas. Tenga en cuenta que, en la cuarta la mano de obra es gratuita, siempre y cuando el Vehículo hubiere asistido oportunamente a todas las revisiones técnicas obligatorias estipuladas en este Manual.

Tanto la Garantía Legal como la Garantía Suplementaria, son válidas en el territorio Nacional, es decir, que todo usuario tiene derecho a exigir la aplicación de la garantía en cualquiera de los Centros de Servicio Autorizados (CSA) KTM por Auteco en Colombia, sin importar el lugar en donde hubiere adquirido el Vehículo.

Si durante el período de la Garantía Legal o de la

Garantía Suplementaria, el propietario del Vehículo cambia de ciudad de residencia en Colombia, seguirá teniendo los mismos derechos que hubiere adquirido con el agente comercial o concesionario de Auteco que le hubiere vendido el Vehículo.

Le bastará con presentar la matrícula para tener derecho a la misma. Esta garantía, demuestra la confianza y respaldo que la ensambladora genera para sus productos.

El Centro de Servicio Autorizado (CSA) KTM podrá verificar en el sistema de Auteco, con base en la matrícula del Vehículo y el recorrido que marque el velocímetro u otras características de las partes del Vehículo que pueden evidenciar los datos relativos al recorrido, si el Vehículo aún se encuentra dentro del período de garantía.

GARANTÍA AUTECO

REQUISITOS PARA QUE LAS GARANTÍAS LEGAL Y SUPLEMENTARIA SEAN EFECTIVAS:

1. Dar aviso inmediato sobre la falla detectada a un Centro de Servicio Autorizado (CSA) KTM y poner a disposición de este, en el menor tiempo posible, el Vehículo para la revisión y reparación del mismo.
2. Presentar oportunamente el Vehículo para que le sean efectuadas correctamente todas las revisiones técnicas obligatorias correspondientes a los kilometrajes establecidos en este Manual. Se debe tener en cuenta que se permite un margen de más o menos doscientos cincuenta (250) kilómetros para asistir a cada revisión, a excepción de la primera, en la cual se permite un margen de más o menos cien (100) kilómetros.
3. Conocer y seguir al pie de la letra todas las recomendaciones contenidas en el Manual, para el buen uso del Vehículo.

EXCEPCIONES A LAS GARANTÍAS LEGAL Y SUPLEMENTARIA:

Tanto la ensambladora como los agentes comerciales y/o los concesionarios y los Centros de Servicio Autorizados (CSA) KTM, quedarán libres de toda responsabilidad y exentos de la aplicación de las Garantías Legal y Suplementaria, cuando:

1. El Vehículo haya sido intervenido fuera de la red de Centros de Servicio Autorizados (CSA) KTM por Auteco o cuando hayan sido cambiadas las piezas originales del Vehículo por otras no genuinas; esto es, no producidas por el fabricante original del Vehículo.
2. Cuando ocurra una falla en el motor por no llenar oportunamente el nivel de aceite, conforme lo indicado en el presente Manual.
3. Cuando el Vehículo haya sido usado sin seguir las recomendaciones para su despegue y uso dadas en este Manual.
4. Cuando la avería se haya producido por maniobras incorrectas o accidentes causados por su propietario, conductor o por terceros.

GARANTÍA AUTECO

5. Cuando ocurra cualquier daño ocasionado por incendio, choque (no atribuibles a defectos del Vehículo), robo o por otra fuerza mayor.
6. Cuando se hayan efectuado alteraciones en los mecanismos o partes originales del Vehículo.
7. Cuando el propietario no esté cumpliendo o no haya cumplido con llevar su Vehículo a la totalidad de revisiones técnicas obligatorias indicadas en el presente Manual, dentro del kilometraje requerido, según se señala en el mismo.
8. Cuando el Vehículo haya sido utilizado en competencias deportivas, en alquiler, o como vehículo de prueba o aprendizaje de conductores.
9. Cuando haya cualquier daño causado por combustible o lubricación no recomendado por Auteco.
10. Cuando, por exceso de suciedad se genere alguna avería.

EXCLUSIONES:

Se encuentran excluidas tanto de la Garantía Legal como de la Garantía Suplementaria, las siguientes partes (la lista que se anota a continuación es taxativa y no enunciativa, por lo cual, las partes no incluidas expresamente, se encuentran cubiertas por la garantía):

- De acuerdo con lo establecido por la Superintendencia de Industria y Comercio, en el numeral 1.2.2.1 de la Circular Única, se considerarán partes de desgaste las siguientes: llantas, neumáticos, bujías, discos y separadores del embrague, pastillas o bandas para freno, kit de arrastre, cable del embrague, cable del acelerador, filtro de combustible, filtro de aceite, filtro de aire, bujes de suspensión trasera, cunas de dirección, cauchos porta sprocket y retenedores de tubos telescópicos. También se incluyen en esta lista, sustancias o materiales que, no siendo exactamente partes, por tratarse de elementos de consumo, también están excluidas de la garantía, a saber: aceite de motor, aceite de suspensión y líquido de frenos.

GARANTÍA AUTECO

- Pintura, calcomanías, emblemas y cromo, por su deterioro natural, debido a su exposición a la intemperie, por daños ocasionados por agentes externos como productos químicos o por actos de terceros y choques..
- Partes o sistemas que, sin autorización de Auteco, hubieren sido objeto de modificaciones o alteraciones, así como instalación de piezas que no pertenezcan a los diseños originales del Vehículo, interruptores, reguladores, rectificadores, cables eléctricos, bobinas, cajas de fusibles, unidades de encendido electrónico, baterías, cables en general, *relay*, etc. Cuando estos hubieren sido manipulados en virtud de la instalación de dispositivos ajenos al diseño original del Vehículo (alarmas, accesorios sonoros o electrónicos, GPS, etc.), o cuando dichas partes resultan dañadas por razón de lavado a presión u otras causas no inherentes a su uso normal.
- Las partes que hubieren debido ser intervenidas en alguna de las revisiones técnicas obligatorias, a las cuales el usuario no hubiere asistido o lo hubiere hecho extemporáneamente.
- Daños ocasionados por incendio, choque o cualquier otro agente externo.
- Daños ocasionados por no mantener el nivel adecuado de aceite en el motor, de acuerdo con el presente Manual, o por no cambiar oportunamente el mismo, en los kilometrajes recomendados. Así mismo, se excluyen de la Garantía Legal y Garantía Suplementaria, los gastos ocasionados por la utilización de otros vehículos para el transporte del conductor y su acompañante, o cualesquiera otras consecuencias derivadas de la inmovilización del Vehículo objeto de reparación en garantía.
- Se encuentra excluida de la Garantía Suplementaria la bombillería en general, es decir, dichos componentes solo se encuentran amparados por la Garantía Legal, durante los primeros seis (6) meses o seis mil (6000) kilómetros, lo que ocurra primero. Bajo las mismas condiciones antes especificadas para esta garantía.

GARANTÍA AUTECO

ALCANCES DE LA GARANTÍA:

Dentro del periodo de garantía, toda intervención técnica considerada normal, puede ser realizada por cualquier Centro de Servicio Autorizado (CSA) KTM por Auteco, autorizado para su Vehículo (Ver Sección Centros de Servicio Autorizado) aunque el Vehículo no hubiese sido vendido por el agente comercial y/o concesionario o Centro de Servicio Autorizado (CSA) KTM donde se solicite el servicio.

SONIDOS Y VIBRACIONES EN LAS MOTOCICLETAS:

El funcionamiento normal del Vehículo, bajo distintas formas de conducción (con carga, sin carga, diferentes velocidades, clima, gasolina, etc.), puede generar distintos sonidos y/o vibraciones, los cuales son característicos de cada modelo y no constituyen indicio de ningún problema en el Vehículo. Estos sonidos y vibraciones, incluso, pueden variar entre vehículos del mismo modelo y están dados por las diferencias en las tolerancias, ajustes de fabricación, movimientos o fricciones propios de los componentes.

Por lo anterior, los sonidos y vibraciones características en los diferentes modelos, no serán intervenidos, toda vez que los mismos no son

consecuencia del mal funcionamiento del Vehículo y se consideran normales. En caso de dudas sobre el sonido, ruido o vibración de su Vehículo, debe dirigirse a cualquiera de los Centros de Servicio Autorizado (CSA) KTM por Auteco, dónde nuestro personal capacitado emitirá su concepto técnico al respecto.

MODIFICACIONES:

Los términos en que se concede la garantía no pueden, en ningún momento, ser modificados por los agentes comerciales y/o concesionarios o Centros de Servicio Autorizado (CSA) KTM.

Esta garantía únicamente puede ser aplicada por la red Auteco que tenga la correspondiente y debida autorización.

REEMPLAZO DEL VELOCÍMETRO:

Cuando se efectúe cambio de velocímetro, será responsabilidad del Centro de Servicio Autorizado (CSA) KTM, dejar constancia en el registro de garantía correspondiente en el sistema de la ensambladora y en el historial de mantenimiento del presente Manual, del kilometraje que indique el velocímetro remplazado y la fecha en la cual se efectuó el cambio.

GARANTÍA AUTECO

NOTA:

Las indicaciones sobre el peso, velocidad, consumo y otros datos que aparecen en la literatura técnica, comercial o publicitaria, han de entenderse como aproximados y están sujetas a cambio sin previo aviso. Auteco no asume ninguna obligación ni responsabilidad en este sentido.

GARANTÍA DE LA BATERÍA:

La batería del Vehículo cuenta con una garantía única de seis (6) meses o seis mil (6.000) km, lo que primero se cumpla, contados a partir de la entrega del Vehículo al primer usuario que la hubiere comprado a un distribuidor autorizado de Auteco.

NOTA IMPORTANTE:

Su Vehículo es un bien complejo, compuesto por distintas unidades de sistemas independientes entre si, que al operar conjuntamente, permiten que su Vehículo funcione de forma adecuada, cumpliendo con todas las condiciones de seguridad, calidad e idoneidad exigidas por Ley.

De esta manera, en caso de tener alguna inquietud sobre la adecuada articulación y funcionamiento de las unidades de sistemas

independientes, deberá dirigirse a cualquiera de los Centros de Servicio Autorizados (CSA) KTM, donde nuestro personal capacitado emitirá su concepto técnico respecto de la(s) parte(s) o componente(s) que considere afecte el normal funcionamiento de alguna de las unidades de sistemas independientes que conforman su Vehículo.

GARANTÍA AUTECO

Para una mayor claridad al respecto, se informa que su Vehículo está dividido en diez (10) sistemas independientes de funcionamiento, que son los siguientes:

1. Sistema de ignición: (TCI o ECU), bujía, bobina de alta, bobina pulsora.
2. Sistema de transmisión: piñón de salida, cadena, sprocket, caja de cambios, embrague.
3. Sistema motor: cigüeñal, cabeza de fuerza.
4. Sistema estructural: chasis, brazo oscilante.
5. Sistema de suspensión: suspensión delantera, suspensión trasera.
6. Sistema de carga: plato de bobinas, regulador, batería, volante.
7. Sistema de luces y señales: bombillos, pito, tablero de instrumentos, sensores, actuadores.
8. Sistema de alimentación: (carburador o cuerpo de inyección), caja filtro, depósito de combustible.
9. Sistema de refrigeración: radiador*, moto ventilador*.
10. Sistema de frenos: freno delantero, freno trasero.

NOTA IMPORTANTE:

Las imprevistas dificultades que puedan presentarse en una o varias unidades del sistema del Vehículo se entienden presentadas en esa o esas unidades de sistemas en específico, sin que se entiendan o constituyan una dificultad en otra u otras en las que no se han presentado, por ser independientes unas de las otras.

*Aplica para ciertas referencias.

RECOMENDACIONES



AVISO IMPORTANTE:

No lave el Vehículo con agua a presión, ni con vapor, ni estando el motor caliente. Estos procedimientos pueden ocasionar daños en sus componentes y, por consiguiente, desde la fecha en que cualquiera de ellos se practique, Auteco queda totalmente eximido de toda obligación relativa al cumplimiento de las garantías del Vehículo sobre las partes afectadas.

REVISIONES DIARIAS QUE DEBE REALIZAR EL USUARIO:

- | | |
|---|--|
| Frenos: | Comprobar su buen funcionamiento y verificar el estado de los elementos. |
| Aceite lubricante del motor: | Comprobar nivel y adicionar, de ser necesario, cuando el nivel así lo indique. |
| Nivel de combustible: | Revisar que sea suficiente. |
| Luces y bocina: | Comprobar su correcto funcionamiento. |
| Cadena (en los vehículos Propulsados por este medio): | Verificar su adecuada lubricación y mantener la tensión. |
| Neumáticos: | Comprobar la presión. |
| Acelerador: | Comprobar su correcto funcionamiento. |
| Espejos: | Comprobar la correcta visibilidad. |

NOTA: Además de las anteriores recomendaciones generales, se deben tener en cuenta las recomendaciones particulares para cada modelo de Vehículo.

RECOMENDACIONES

CAMBIO DE ACEITE:

El aceite del Vehículo debe rellenarse siempre que el medidor indique que el nivel no es el adecuado, conforme lo indicado en el título contenido en el presente Manual "ACEITE DE MOTOR". El cambio total de aceite se debe hacer cada 7.500 kilómetros, tal como se indica en el cuadro de mantenimiento.

En caso que ocurra una falla en el motor por no llenar oportunamente el nivel de aceite, conforme lo indicado en el presente Manual, Auteco no será responsable de la garantía del Vehículo ocasionada por la falta o inoportunidad en la realización del cambio o llenado del aceite.

AVISO IMPORTANTE



La inasistencia, o la asistencia por fuera del rango de kilómetros establecido en el presente Manual, a cualquiera de las revisiones periódicas obligatorias, generan automáticamente la pérdida de la garantía sobre las partes que debieron haber sido intervenidas o que fueron intervenidas en dicha revisión tardía. Por lo tanto, las revisiones siguientes a las que hubiese dejado de asistir o hubiese asistido tardeamente sobre las mismas partes, tendrán únicamente carácter de diagnóstico informativo para el cliente, sin que esto implique obligación alguna de Auteco en cuanto a mantenimiento, o suministro de repuestos por garantía.

¿QUÉ SON LAS REVISIONES PERIÓDICAS?

Son las revisiones que realiza Auteco mediante sus Centros de Servicio Autorizados (CSA) KTM para hacer el mantenimiento preventivo que su Vehículo requiere. Por esto, es normal que en las mismas se realicen sustituciones de algunos elementos y ajuste de componentes mecánicos, que pueden sufrir variaciones en sus especificaciones originales, debido al desgaste normal de las piezas y al uso propio del Vehículo. Dichas intervenciones no constituyen fallas en los vehículos sino que, por el contrario, son intervenciones preventivas para que su Vehículo permanezca en condiciones normales de funcionamiento.

PROCEDIMIENTO PQR (Peticiones, Quejas y Reclamos):

Auteco cuenta con un mecanismo institucional para la atención de Peticiones, Quejas y Reclamos, de acuerdo con lo establecido en la legislación colombiana.

Por lo tanto, en caso que el Usuario considere que su garantía ha sido desatendida, o no ha sido debidamente atendida por el Centro de Servicio Autorizado (CSA) KTM, podrá comunicarlo a Auteco mediante la línea gratuita nacional 01 8000 520090 o en el correo electrónico servicioalcliente@auteco.com.co, para la atención de su solicitud.

LISTA DE CHEQUEOS DEL ALISTAMIENTO

OK

- 1. Verificar apariencia del Vehículo.
- 2. Realizar el registro de garantía de la batería.
- 3. Verificar el correcto funcionamiento del velocímetro.
- 4. Verificar la presión de aire de las llantas.
- 5. Verificar el nivel de aceite del motor.
- 6. Verificar el nivel del refrigerante. (Si aplica)
- 7. Verificar el encendido el Vehículo.
- 8. Verificar el funcionamiento del sistema eléctrico.
- 9. Verificar el funcionamiento de palancas y levas de control (Frenos, embrague)
- 10. Encender el Vehículo durante 15 minutos y verificar que no posea fugas y que el ventilador del radiador encienda
- 11. Instalar los espejos retrovisores y verificar la correcta posición.
- 12. Realizar el registro del alistamiento en Impulsa.
- 13. Verificar accesorios (Maleta con manuales, volantes, partes y Herramienta).

HISTORIAL DE MANTENIMIENTO

Nombre del propietario _____

Tipo y número de identificación _____

Dirección _____

Teléfono _____

Número de motor _____

Número de chasis _____

Placa _____

Nombre del agente comercial o concesionario vendedor _____

Teléfono del agente comercial o concesionario vendedor _____

Fecha de inicio de la garantía _____

NOTA: Mantenga esta información y una llave de repuesto en un lugar seguro.

HISTORIAL DE MANTENIMIENTO

CHEQUEOS 1^a REVISIÓN TÉCNICA: 1.000 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.

Nota:

1. Ajustar el régimen de revoluciones de cambio rpm 1 a 10.000 rpm.
2. Ajustar el régimen de revoluciones de cambio rpm 2 a 11.000 rpm.



Servicio gratuito de mano de obra exceptuando el aceite del motor, elementos filtrantes (si aplica) e insumos. Válido exclusivamente durante el período de garantía

CHEQUEOS 2^a REVISIÓN TÉCNICA: 7.500 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Servicio gratuito de mano de obra exceptuando el aceite del motor, elementos filtrantes (si aplica) e insumos. Válido exclusivamente durante el período de garantía

CHEQUEOS 3^a REVISIÓN TÉCNICA: 15.000 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

CHEQUEOS 4^a REVISIÓN TÉCNICA: 22.500 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Servicio gratuito de mano de obra exceptuando el aceite del motor, elementos filtrantes (si aplica) e insumos. Válido exclusivamente durante el período de garantía

CHEQUEOS 5^a REVISIÓN TÉCNICA: 30.000 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

CHEQUEOS 6^a REVISIÓN TÉCNICA: 37.500 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

CHEQUEOS 7^a REVISIÓN TÉCNICA: 45.000 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

CHEQUEOS 8^a REVISIÓN TÉCNICA: 52.500 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

CHEQUEOS 9^a REVISIÓN TÉCNICA: 60.000 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

CHEQUEOS 10^a REVISIÓN TÉCNICA: 67.500 KM

Centro de Servicio Autorizado: _____

Ciudad: _____

Fecha: _____

Kilometraje: _____

Remítase a la sección PROGRAMA DE SERVICIO para verificar las operaciones que se deben realizar en esta revisión.



Revisión pagada por el usuario (aceite, elementos filtrantes
(si aplica) e insumos y mano de obra)

RECOMENDACIONES

Recuerde que para el buen funcionamiento y desempeño de su Vehículo con el respaldo de Auteco, usted cuenta con una amplia red de Centros de Servicio Autorizados (CSA) KTM a nivel nacional para continuar con sus revisiones técnicas.

Las revisiones técnicas y los cambios de aceite de motor deben realizarse cada 7.500 km.

En los Centros de Servicio Autorizado (CSA) KTM siempre encontrará repuestos originales.
Utilice siempre el aceite recomendado (ver sección ACEITE DE MOTOR)

READY TO RACE

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