SETUP INSTRUCTIONS 2017



Freeride 250 R

Art. no. 3213584en





INTRODUCTION 1

Perform the work described in these setup instructions before the vehicle is delivered to the customer.

Read the setup instructions in their entirety before beginning work.

These setup instructions were written to correspond to the latest state of this series. We reserve the right to make changes in the interest of technical advancement without at the same time updating this manual.

We shall not provide a description of general workshop methods. Likewise, safety rules that apply in a workshop are not specified here. It is assumed that the work will be performed by a fully trained mechanic.

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Issued by: TÜV Management Service

KTM Sportmotorcycle GmbH 5230 Mattighofen, Austria

This document is valid for the following models:

Freeride 250 R EU (F7303Q4)

Freeride 250 R US (F7375Q4)



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 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.



Denotes a voltage measurement.



Denotes a current measurement.



Denotes a resistance measurement.

1.2 Formats used

The typographical formats used in this document are explained below.

Proprietary name Identifies a proprietary name.

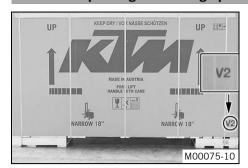
Name[®] Identifies a protected name.

Brand™ Identifies a trademark.

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

in the glossary.

2.1 Unpacking and setting up the vehicle



Package 2

Remove the box and the plastic packaging.



Info

An assistant prevents the motorcycle from falling over.

To avoid damaging the motorcycle during the setup, leave the protective film on the vehicle until you have finished.

- Remove the separate enclosure and unpack it. Check that the scope of supply is complete on the basis of the enclosed packing list.
- Have a lift stand available.

Lift stand (78129955100)

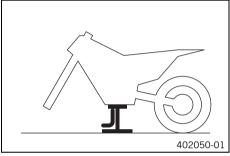
- Carefully loosen and remove the tension belt of the footrest mount.

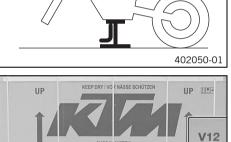


Info

An assistant prevents the motorcycle from falling over.

- Together with an assistant, take the vehicle off the palette.
- Position the vehicle on a lift stand.
- Check the vehicle for transport damage.





THE REAL PROPERTY.

M00075-11

Package 12

Remove the box and the plastic packaging.



Info

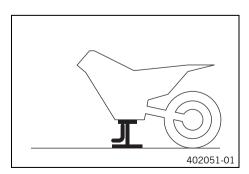
An assistant prevents the motorcycle from falling over.

To avoid damaging the motorcycle during the setup, leave the protective film on the vehicle until you have finished.

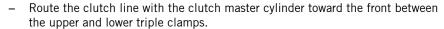
- Remove and unpack the separate enclosure and attachments. Check that the scope of supply is complete on the basis of the enclosed packing list.
- Have a lift stand available.

Lift stand (78129955100)

- Remove the two cable ties on the triple clamp.
- Together with an assistant, take the vehicle off the palette.
- Position the vehicle on a lift stand.
- Check the vehicle and attachments for transport damage.







Position the fork legs and tighten the screws of the triple clamp.
 Guideline

Screw, top triple clamp	M8	22 Nm (16.2 lbf ft)
Screw, bottom triple clamp	M8	18 Nm (13.3 lbf ft)



Info

Position the bleeder screws toward the front.

Grooves are milled into the side of the upper end of the fork legs. The second milled groove (from the top) must be flush with the top edge of the upper triple clamp.

- Remove screws 1. Take off the handlebar clamps.
- Remove screws 2. Take off the handlebar supports.
- Place the handlebar supports in the required position. Mount and tighten screws 2.

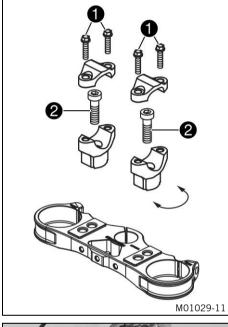
Guideline

(25.5 lbl 1t)	Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	Loctite [®] 243 [™]
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Info

Position the left and right handlebar supports evenly.



700.02.001,000/30 + B01164-01

- Position the handlebar.



Info

Make sure the cables and wiring are positioned correctly.

Position the handlebar clamps. Mount and tighten the screws evenly.
 Guideline

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



Info

The markings on the handlebar should be at the center of the handlebar clamps.

Keep the gap widths equal when tightening.

- Position the controls on the right half of the handlebar.





Position the controls on the left half of the handlebar.

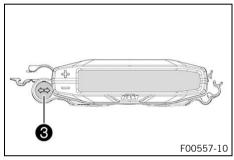


- Mount the connector retainer and speedometer on the upper triple clamp.

Guideline

Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)
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Connect all plug-in connectors to the connector retainer.



(EU)

Position turn signal indicator lamp {2} in the speedometer bracket.



- Remove the fuel tank. (♠ p. 10)
- Disconnect the plug-in connector on the main wiring harness.
- Connect the plug-in connector of the turn signal wiring harness with the plug-in connector of the main wiring harness.
- Mount turn signal relay 4 with the retaining bracket and plug in the connector



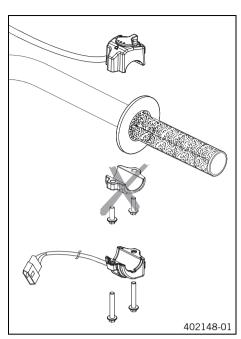
 Position the turn signal wiring harness against the main wiring harness and secure with cable ties.



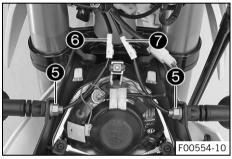
Info

The routing of the wiring harness is shown in the figure.

- Install the fuel tank. (🕮 p. 11)

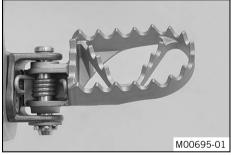


 Mount the turn signal switch and connect the plug-in connector on the wiring harness.



- Insert the black and violet cables of bulb included in the separate enclosure into the socket and position it in the turn signal indicator lamp.
- Position the turn signal on each side and mount and tighten nuts **5**.
- Connect the plug-in connector 6 of the right turn signal with the connector marked green on the wiring harness.
- Connect plug-in connector of the left turn signal with the connector marked red on the wiring harness.
- Mount the handlebar cushion.
- Install the front fender. (
 p. 15)
- Install the headlight mask with the headlight. (🕮 p. 15)
- Mount the footrests with the springs and pins. Secure the pins using the washers and cotter pins.

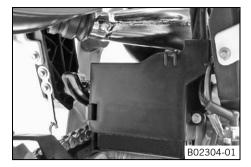
Pliers for footrest spring (79029083000)



(EU)

- Mount the license plate holder with the license plate lamp, turn signals, and reflector.
- Connect the electrical components.
- Connect the plug-in connector of the right turn signal with the connector marked green on the wiring harness.
- Connect the plug-in connector of the left turn signal with the connector marked red on the wiring harness.







Warning

Risk of injury Batteries contain harmful substances.

- Keep batteries out of the reach of children.
- Keep sparks and open flames away from the batteries.
- Only charge batteries in well-ventilated rooms.
- Maintain a minimum clearance from inflammable materials when charging batteries.

Minimum clearance

1 m (3 ft)

 Do not charge deeply discharged batteries if charge is already below the minimum voltage.

Minimum voltage before the start 9 \ of the charge

- Dispose of batteries with less than the minimum voltage correctly.
- Recharge the battery. (
 p. 12)



Info

Read the notes in the battery package.

- Unpack and mount the **KTM PowerParts** included in the delivery (optional).



Info

Read the accompanying **KTM PowerParts** fitting instructions.

Apply the label included in the delivery (optional).

(FII)

- Mount the mirror clamps on both sides.





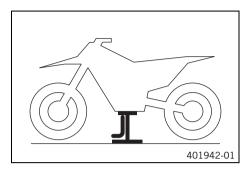
- Mount and tighten the rear mirror on both sides.
- Position all controls in their exact positions on the handlebar. Tighten all screws.
- Refuel. (₽ p. 19)
- Prepare the vehicle according to the specifications in the KTM Dealer.net for handover to the customer.

3.1 Raising the motorcycle with a lift stand

Note

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

- Park the vehicle on a firm and level surface.



Raise the motorcycle at the frame underneath the engine.

Lift stand (78129955100)

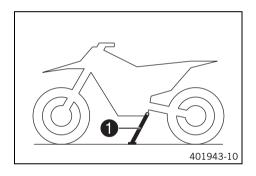
- ✓ Neither wheel is in contact with the ground.
- Secure the motorcycle against falling over.

3.2 Removing the motorcycle from the lift stand

Note

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

- Park the vehicle on a firm and level surface.



- Remove the motorcycle from the lift stand.
- Remove the lift stand.
- To park the motorcycle, press side stand 1 to the ground with your foot and lean the motorcycle on it.



Info

When you are riding, the side stand must be folded up and secured with the rubber band.

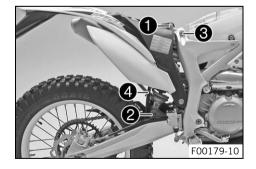
3.3 Removing the shock absorber

Preparatory work

- Fold the seat up. (p. 10)

Main work

- Remove screw 1.
- Remove screw 2 and lower the rear wheel with the swing arm as far as possible without blocking the rear wheel. Fix the rear wheel in this position.
- Remove screw 3.
- Push splash protector 4 to the side and remove the shock absorber.



3.4 Installing the shock absorber

4 - 2 F00179-11

Main work

Push splash protector 1 to the side and position the shock absorber. Mount and tighten screw 2.

Guideline

Screw, top shock absorber	M12	80 Nm	Loctite® 2701™
		(59 lbf ft)	

Mount and tighten screw 3.

Guideline

Screw, bottom shock	M12	80 Nm	Loctite® 2701™
absorber		(59 lbf ft)	



Info

The heim joint for the shock absorber at the swingarm is Teflon coated. It must not be greased with grease or with any other lubricants. Lubricants dissolve the Teflon coating, thereby drastically reducing the service life.

Mount and tighten screw 4.

Guideline

Screw, upper subframe	M10	45 Nm	Loctite [®] 243™
		(33.2 lbf ft)	

Finishing work

- Lock the seat. (

 p. 10)
- Remove the motorcycle from the lift stand. (
 p. 8)

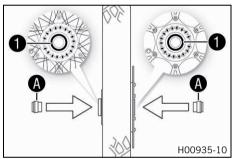
3.5 Installing the front wheel



Warning

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

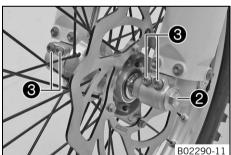
- Always keep the brake discs free of oil and grease.
- Clean the brake discs with brake cleaner when necessary.



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

Long-life grease (Qp. 22)

Insert the spacers.



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

Guideline

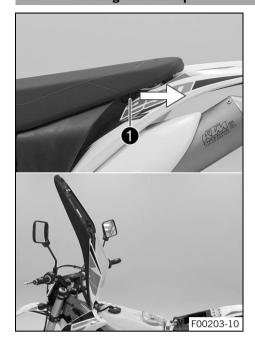
Screw, front wheel spindle	M20x1.5	35 Nm
		(25.8 lbf ft)

- Operate the hand brake lever several times until the brake linings are seated correctly against the brake disc.
- Remove the motorcycle from the lift stand. (🕮 p. 8)
- Operate the front brake and compress the fork a few times firmly.
 - ✓ The fork legs straighten.
- Tighten screw 3.

Guideline

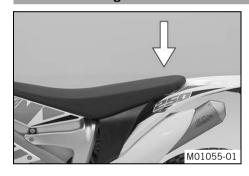
duideillie		
Screw, fork stub	M8	15 Nm
		(11.1 lbf ft)

3.6 Folding the seat up



- Push the release lever 1 in the direction of the arrow.
- Lift the seat and fold it up.

3.7 Locking the seat



- Fold down the seat and push it down.
 - ✓ The seat engages with an audible click.
- Check that the seat is correctly locked.

3.8 Removing the fuel tank



Danger

Fire hazard Fuel is highly flammable.

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

- Do not refuel 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 poisonous and a health hazard.

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

Preparatory work

- Fold the seat up. (₽ p. 10)

Main work

- Turn handle 1 of the fuel tap to the OFF position.
- Push back hose clamp and pull off the fuel line.

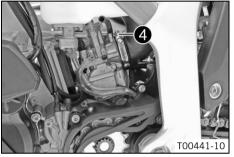


nfo

Remaining fuel may flow out of the fuel line.

- Remove the tube from the fuel tank breather.
- Remove screws 2 on both sides.
- Remove screw 3.





- Loosen hose clip 4.
- Detach the intake flange from the carburetor.
- Remove the fuel tank from above.

3.9 Installing the fuel tank



Danger

Fire hazard Fuel is highly flammable.

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

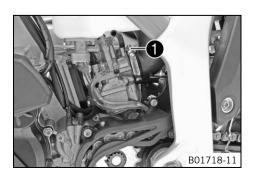
- Do not refuel the vehicle in the vicinity of open flames or lit cigarettes.
- Switch off the engine for refueling.
- Make sure that no fuel is spilled; particularly not on hot parts of the vehicle.
- If any fuel is spilled, wipe it off immediately.
- Observe the specifications for refueling.



Warning

 $\textbf{Danger of poisoning} \quad \text{Fuel is poisonous and a health hazard}.$

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- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.
- Change your clothing in case of fuel spills on them.



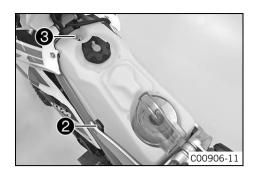
Main work

- Make sure that no cables or throttle cables are trapped or damaged.
- Position the fuel tank.
- Position the intake flange on the carburetor.
- Position and tighten hose clip 1.
- Mount the fuel line and position the hose clamp.



Info

Route the cable and fuel line at a safe distance from the exhaust system.



Mount and tighten screws 2 on both sides.
 Guideline

Screw, fuel tank	M8	15 Nm	Loctite® 243™
		(11.1 lbf ft)	

Mount and tighten screw 3.
 Guideline

Remaining screws, chassis M6	10 Nm (7.4 lbf ft)
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Mount the fuel tank breather hose.

Finishing work

Lock the seat. (
 p. 10)

3.10 Checking the throttle cable routing

Preparatory work

- Fold the seat up. (🕮 p. 10)

Main work

- Check the throttle cable routing.

The throttle cable must be routed to the carburetor along the back of the handle-bar, below the seat fixing.

- » If the throttle cable is not routed as specified:
 - Correct the throttle cable routing.



Finishing work

- Install the fuel tank. (🕮 p. 11)
- Lock the seat. (
 p. 10)

3.11 Recharging the battery



Warning

Risk of injury Batteries contain harmful substances.

- Keep batteries out of the reach of children.
- Keep sparks and open flames away from the batteries.
- Only charge batteries in well-ventilated rooms.
- Maintain a minimum clearance from inflammable materials when charging batteries.

Minimum clearance 1 m (3 ft)

Do not charge deeply discharged batteries if charge is already below the minimum voltage.
 Minimum voltage before the start of the charge
 9 V

Dispose of batteries with less than the minimum voltage correctly.



Warning

Environmental hazard Batteries contain environmentally-hazardous materials.

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



Warning

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

Even when there is no load on the battery, it discharges steadily.

The charging level and the method of charging are very important for the service life of the battery.

Rapid recharging with a high charging current shortens the service life of the battery.

If the charging current, charging voltage, and charging time are exceeded, the battery will be destroyed.

If the battery is depleted from starting the vehicle repeatedly, the battery must be charged immediately.

If the battery is left in a discharged state for an extended period, it will become over-discharged and sulfated, destroying the battery.

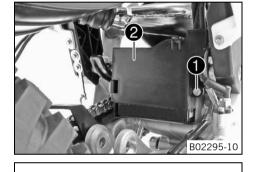
The battery is maintenance-free.



- Fold the seat up. (🕮 p. 10)

Main work

- Remove screw 1.
- Take off fastening plate 2.



- Connect the battery charger to the battery. Set the battery charger.

Alternative 1

Battery charger XCharge-professional EU (00029095050)

Alternative 2

Battery charger XCharge-professional US (00029095051)

Alternative 3

Battery charger XCharge-professional GB (00029095052)

Alternative 4

Battery charger XCharge-professional CH (00029095053)



311910-10

Info

Follow the instructions of the charger and the manual.

- Disconnect the battery charger after charging the battery.

Guideline

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

Charge the battery regularly when the motorcycle is not in use

3 months

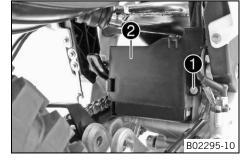
Position the battery in the battery compartment.



Info

Ensure that the battery cable is correctly routed.

- Attach fastening plate 2.
- Mount and tighten screw 1.



Finishing work

- Lock the seat. (

 p. 10)
- Remove the motorcycle from the lift stand. (
 p. 8)

3.12 Removing the battery



Warning

Risk of injury Batteries contain harmful substances.

- Keep batteries out of the reach of children.
- Keep sparks and open flames away from the batteries.
- Only charge batteries in well-ventilated rooms.
- Maintain a minimum clearance from inflammable materials when charging batteries.

Minimum clearance 1 m (3 ft)

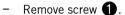
Do not charge deeply discharged batteries if charge is already below the minimum voltage.
 Minimum voltage before the start of the charge
 9 V

Dispose of batteries with less than the minimum voltage correctly.

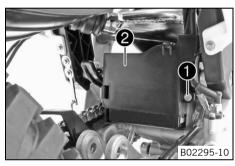
Preparatory work

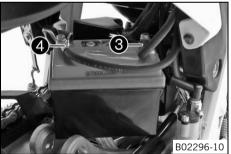
- Raise the motorcycle with a lift stand. (
 p. 8)
- Fold the seat up. (
 p. 10)
- Remove the shock absorber. (🕮 p. 8)

Main work



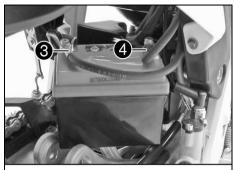
Take off fastening plate 2.

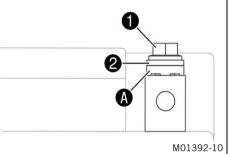


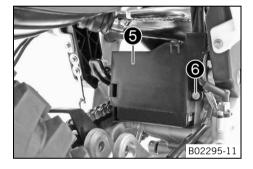


- Remove the battery out of the battery compartment.
- Disconnect negative cable 3 from the battery.
- Disconnect positive cable 4 from the battery.

3.13 Installing the battery







Main work

Position positive cable 3 and mount and tighten the screw.
 Guideline

Screw, battery terminal	M5	2.5 Nm
		(1.84 lbf ft)

Position negative cable 4 and mount and tighten the screw.

Screw, battery terminal	M5	2.5 Nm
		(1.84 lbf ft)

Battery (HJTZ5S-FP)



Info

Contact disks **(A)** must be mounted under screws **(1)** and cable sockets **(2)** with the claws toward the battery terminal.

Position the battery in the battery compartment.



Info

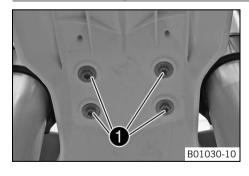
Ensure that the battery cable is correctly routed.

- Attach fastening plate **5**.
- Mount and tighten screw 6.

Finishing work

- Remove the motorcycle from the lift stand. (
 p. 8)

3.14 Installing the front fender



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

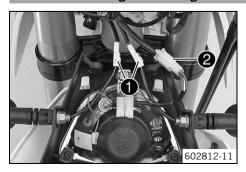
Remaining screws, chassis M6 10 Nm (7.4 lbf ft)



Info

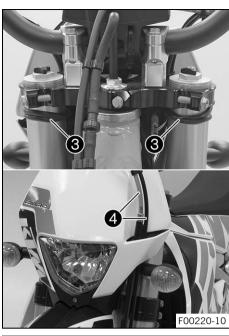
Make sure the holding lugs engage in the headlight mask.

3.15 Installing the headlight mask with the headlight



Main work (EU)

- Connect plug-in connectors **1** for the turn signals and **2** for the headlight.

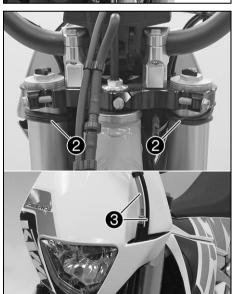


- Position the headlight mask and secure it with rubber bands **3**.
 - ✓ The holding lugs on the fender engage in the headlight mask.
- Attach the brake line and wiring harness 4.



(US)

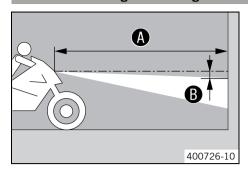
Connect plug-in connector 1 of the headlight.



- Position the headlight mask and secure it with rubber bands 2.
 The holding lugs on the fender engage in the headlight mask.
- Attach the brake line and wiring harness 3.

Finishing work

3.16 Checking the headlight setting



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

Guideline

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

Position the vehicle vertically at a distance **A** away from the wall. Guideline

Distance (A) 5 m (16 ft)

- The rider now sits down on the motorcycle.
- Switch on the low beam.
- Check the headlight setting.

The boundary between light and dark must be exactly on the lower mark for a motorcycle with driver.

- » If the boundary between light and dark does not meet specifications:

3.17 Adjusting the headlight range

Preparatory work

- Check the headlight setting. (🕮 p. 17)

Main work

(EU)

- Adjust the beam distance of the headlight by turning screw 1.

The boundary between light and dark must be exactly on the lower marking for a motorcycle with rider (instructions on how to apply the marking: Checking the headlight setting).



Info

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

A change in weight on the vehicle may require a correction of the headlight range.



- Adjust the beam distance of the headlight by turning screw 1.

The boundary between light and dark must be exactly on the lower marking for a motorcycle with rider (instructions on how to apply the marking: Checking the headlight setting).



Info

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

A change in weight on the vehicle may require a correction of the headlight range.





3.18 Opening the 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 refuel 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 poisonous and a health hazard.

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



Warning

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.



Preparatory work

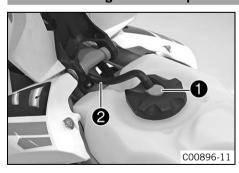
- Fold the seat up. (
p. 10)

Main work

- Press release button 1, turn the filler cap counterclockwise, and lift it free.



3.19 Closing the filler cap



Main work

Replace the filler cap and turn clockwise until the release button locks in place.



Info

Run the fuel tank breather hose **2** without kinks.

Finishing work

Lock the seat. (♠ p. 10)

3.20 Refueling



Danger

Fire hazard Fuel is highly flammable.

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

- Do not refuel 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 poisonous and a health hazard.

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



Warning

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.

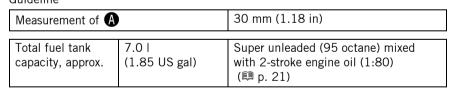


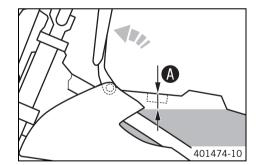
Preparatory work

- Switch off the engine.
- Fold the seat up. (
 p. 10)
- Open the filler cap. (
 p. 18)

Main work

Fill the fuel tank with fuel up to measurement A.
 Guideline





Finishing work

- Close the filler cap. (

 p. 18)
- Lock the seat. (

 p. 10)

4.1 Chassis tightening torques

Screw for spoiler, top	Screw for spoiler, front	EJOT PT® K60x30-Z	3 Nm (2.2 lbf ft)	_
Screw, battery terminal	Screw for spoiler, top	EJOT PT® K60x20AL	3 Nm (2.2 lbf ft)	-
Screw, shock absorber adjusting ring	Spoke nipple	M4.5	5 Nm (3.7 lbf ft)	-
Screw on the main silencer M5	Screw, battery terminal	M5	2.5 Nm (1.84 lbf ft)	-
Nut, cable on starter motor M6 4 Nm (3 lbf ft) - Remaining nuts, chassis M6 10 Nm (7.4 lbf ft) - Screw, for spoiler attachment M6 10 Nm (7.4 lbf ft) - Screw, both poiler attachment M6 5 Nm (3.7 lbf ft) - Screw, both poiler attachment M6 10 Nm (7.4 lbf ft) Loctite® 243™ Screw, front brake disc M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, front brake disc M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, trabal desics M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, trabal desics M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, both of the lever stop M8 20 Nm (14.8 lbf ft) - Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) - Nut, rear sprocket screw M8 20 Nm (14.8 lbf ft) - Will, rear sprocket screw M8 25 Nm (18.4 lbf ft) - Will, rear sprocket screw M8 25 Nm (18.4 lbf ft) - Will, rear sprocket screw, chassis <td>Screw, shock absorber adjusting ring</td> <td>M5</td> <td>5 Nm (3.7 lbf ft)</td> <td>-</td>	Screw, shock absorber adjusting ring	M5	5 Nm (3.7 lbf ft)	-
Remaining nuts, chassis M6 10 Nm (7.4 lbf ft) Remaining screws, chassis M6 10 Nm (7.4 lbf ft) Screw, ball joint of push rod on foot brake cylinder M6 5 Nm (3.7 lbf ft) Loctite® 243™ Screw, ball joint of push rod on foot brake cylinder M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, radiator bracket M6 7 Nm (5.2 lb ft) - Screw, radiator bracket M6 7 Nm (5.2 lb ft) - Screw, radiator bracket M6 7 Nm (5.2 lb ft) - Screw, thording graph M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, thording graph M6 3 Nm (2.2 lb ft) - Nut, foot brake lever stop M8 20 Nm (14.8 lb ft) - Nut, fron lock M8 35 Nm (22.8 lb ft) - Nut, fron lock M8 35 Nm (28.4 lb ft) - Remaining nuts, chassis M8 25 Nm (18.4 lb ft) - Screw af rear brake caliper M8 25 Nm (18.4 lb ft) - Screw of rear brake caliper M8	Screws on the main silencer	M5	7 Nm (5.2 lbf ft)	-
Remaining screws, chassis M6 10 Nm (7.4 lbf ft) - Screw for spoiler attachment M6 5 Nm (3.7 lbf ft) - Screw, Joal joint of push rod on foot brake cylinder M6 10 Nm (7.4 lbf ft) Locitie® 243™ Screw, Tornot brake disc M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, real probable disc M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, trottle grip M6 3 Nm (2.2 lbf ft) - Nut, foot Drake lever stop M8 20 Nm (14.8 lbf ft) - Nut, foot Drake lever stop M8 25 Nm (18.4 lbf ft) - Nut, foot Drake lever stop M8 10 Nm (7.4 lbf ft) - Nut, foot Drake lever stop M8 25 Nm (18.4 lbf ft) - Nut, froid Drake Screw M8 10 Nm (7.4 lbf ft) - Remaining screws, chasis M8 25 Nm (18.4 lbf ft) - Screw, bottom triple clamp M8 25 Nm (18.4 lbf ft) - Screw, both priple clamp M8 18 Nm (11.1 lbf ft) - Screw, both from triple clamp	Nut, cable on starter motor	M6	4 Nm (3 lbf ft)	-
Screw for spoiler attachment M6 5 Nm (3.7 lbf ft) — Screw, bill joint of push rod on foot brake cylinder M6 10 Nm (7.4 lbf ft) Locitie® 243™ Screw, front brake disc M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, radiator bracket M6 7 Nm (5.2 lbf ft) — Screws, throttle grip M6 14 Nm (10.3 lbf ft) Locitie® 243™ Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) — Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) — Nut, froit brake screw M8 25 Nm (18.4 lbf ft) — Nut, rar sprocket screw M8 10 Nm (7.4 lbf ft) — Nut, rar sprocket screw M8 25 Nm (18.4 lbf ft) — Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) — Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) — Screw for stoth brake caliper M8 18 Nm (13.1 lbf ft) — Screw, float stoth brake caliper M8 15 Nm (18.4 lbf ft) — Screw, float state	Remaining nuts, chassis	M6	10 Nm (7.4 lbf ft)	_
Screw, ball joint of push rod on foot brake cylinder 10 Nm (7.4 lbf ft) Locitie® 243¹M	Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)	-
brake cylinder M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, radiator bracket M6 7 Nm (5.2 lbf ft) − Screw, radiator bracket M6 7 Nm (5.2 lbf ft) − Screw, rear brake disc M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screws, throttle grip M6 3 Nm (2.2 lbf ft) − Nut, root brake lever stop M8 20 Nm (14.8 lbf ft) − Nut, rear sprocket screw M8 10 Nm (7.4 lbf ft) − Nut, rim lock M8 10 Nm (7.4 lbf ft) − Remaining screws, chassis M8 25 Nm (18.4 lbf ft) − Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) − Screw of rear brake caliper M8 18 Nm (13.3 lbf ft) − Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) − Screw, chassis is diding plece M8 15 Nm (11.1 lbf ft) − Screw, politor brake caliper M8 15 Nm (11.1 lbf ft) Locitie® 243™ Screw, politor brake caliper M8 15 Nm (11.1 lbf f	Screw for spoiler attachment	M6	5 Nm (3.7 lbf ft)	_
Screw, rear brake disc M6 7 Nm (5.2 lbf ft) - Screw, rear brake disc M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screws, throttle grip M6 3 Nm (2.2 lbf ft) - Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) - Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Locitie® 2701™ Nut, rin lock M8 10 Nm (7.4 lbf ft) - Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) - Remaining screws, chassis M8 25 Nm (18.4 lbf ft) - Screw, bottom triple clamp M8 15 Nm (13.3 lbf ft) - Screw, chain sliding piece M8 15 Nm (11.1 lbf ft) - Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) - Screw, engine brace on frame M8 25 Nm (18.4 lbf ft) Locitie® 243™ Screw, engine brace on frame M8 15 Nm (11.1 lbf ft) - Screw, solf stub M8 15 Nm (11.1 lbf ft) Locitie® 243™ Screw, fortel brake caliper M8		M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, rear brake disc M6 14 Nm (10.3 lbf ft) Loctie® 243™ Screws, throttle grip M6 3 Nm (2.2 lbf ft) − Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) − Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Loctite® 2701™ Nut, rim lock M8 10 Nm (7.4 lbf ft) − Remaining screws, chassis M8 25 Nm (18.4 lbf ft) − Remaining screws, chassis M8 25 Nm (18.4 lbf ft) − Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) − Screw, bottom triple clamp M8 18 Nm (13.3 lbf ft) − Screw, chain sliding piece M8 15 Nm (18.4 lbf ft) − Screw, engine brace on olylinder head M8 33 Nm (24.3 lbf ft) − Screw, fork stub M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11	Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Screws, throttle grip M6 3 Nm (2.2 lbf ft) − Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) − Nut, rear sprocket screew M8 35 Nm (25.8 lbf ft) Loctite® 2701™ Nut, rim lock M8 10 Nm (7.4 lbf ft) − Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) − Remaining screws, chassis M8 25 Nm (18.4 lbf ft) − Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) − Screw, of rear brake caliper M8 18 Nm (31.3 lbf ft) − Screw, ford rutiple clamp M8 18 Nm (11.1 lbf ft) − Screw, dout sliding piece M8 15 Nm (11.1 lbf ft) − Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) − Screw, engine brace on frame M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, frok stub M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, frok stub M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, handlebar clamp M8	Screw, radiator bracket	M6	7 Nm (5.2 lbf ft)	_
Nut, foot brake lever stop M8 20 Nm (14.8 lbf ft) − Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Loctite® 2701™ Nut, rim lock M8 10 Nm (7.4 lbf ft) − Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) − Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) − Screw, of rear brake caliper M8 25 Nm (18.4 lbf ft) − Screw, bottom triple clamp M8 18 Nm (13.3 lbf ft) − Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) − Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) − Screw, engine brace on frame M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, fork stub M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, handlebar clamp M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, handlebar clamp M	Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Nut, rear sprocket screw M8	Screws, throttle grip	M6	3 Nm (2.2 lbf ft)	-
Nut, rim lock	Nut, foot brake lever stop	M8	20 Nm (14.8 lbf ft)	-
Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) — Remaining screws, chassis M8 25 Nm (18.4 lbf ft) — Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) Locite® 243™ Screw, bottom triple clamp M8 18 Nm (13.3 lbf ft) — Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) — Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) — Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) — Screw, fork stub M8 25 Nm (18.4 lbf ft) — Screw, fork stub M8 25 Nm (18.4 lbf ft) — Screw, fork stub M8 25 Nm (18.4 lbf ft) — Screw, forth brake caliper M8 25 Nm (18.4 lbf ft) — Screw, fork stub M8 25 Nm (18.4 lbf ft) Locitie® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) Locitie® 243™ Screw, fork stub M8 20 Nm (14.8 lbf ft) Locitie® 243™ Screw, batter stank M8 17 Nm (12.5 lbf	Nut, rear sprocket screw	M8	35 Nm (25.8 lbf ft)	Loctite® 2701™
Remaining screws, chassis	Nut, rim lock	M8	10 Nm (7.4 lbf ft)	_
Screw of rear brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, bottom triple clamp M8 18 Nm (13.3 lbf ft) – Screw, chain sliding piece M8 15 Nm (11.1 lbf ft) – Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) – Screw, engine brace on frame M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, front brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, front brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, steel tank M8 20 Nm (14.8 lbf ft) Loctite® 243™ Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, top steering stem M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) –	Remaining nuts, chassis	M8	25 Nm (18.4 lbf ft)	_
Screw, bottom triple clamp	Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)	_
Screw, chain sliding piece M8	Screw of rear brake caliper	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, engine brace on cylinder head M8 33 Nm (24.3 lbf ft) − Screw, engine brace on frame M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) − Screw, forth brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243™ Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 2701™ Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M10 45 Nm (33.2 lbf ft) -	Screw, bottom triple clamp	M8	18 Nm (13.3 lbf ft)	-
Screw, engine brace on frame M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, front brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, fuel tank M8 20 Nm (14.8 lbf ft) – Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, side stand attachment M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M10 45 Nm (33.2 lbf ft) –	Screw, chain sliding piece	M8	15 Nm (11.1 lbf ft)	-
Screw, front stub M8	Screw, engine brace on cylinder head	M8	33 Nm (24.3 lbf ft)	-
Screw, front brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 2701™ Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) - Screw, top triple clamp M8 22 Nm (16.2 lbf ft) - Engine bracket screw M10 60 Nm (44.3 lbf ft) - Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) - Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) - Remaining screws, chassis M10 45 Nm (33.2 lbf ft) - Screw, battery compartment M10 45 Nm (33.2 lbf ft) - Screw, foot brake lever M10 45 Nm (33.2 lbf ft) - Screw, foot brake lever M10	Screw, engine brace on frame	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, fuel tank M8 15 Nm (11.1 lbf ft) Loctite® 243™ Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) – Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 2701™ Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) – Engine bracket screw M10 60 Nm (44.3 lbf ft) – Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) – Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) – Remaining screws, chassis M10 45 Nm (33.2 lbf ft) – Screw, battery compartment M10 45 Nm (33.2 lbf ft) – Screw, cross bar M10 45 Nm (33.2 lbf ft) – Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10	Screw, fork stub	M8	15 Nm (11.1 lbf ft)	-
Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) − Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 2701™ Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) − Engine bracket screw M10 60 Nm (44.3 lbf ft) − Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) − Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) − Remaining screws, chassis M10 45 Nm (33.2 lbf ft) − Screw, battery compartment M10 45 Nm (33.2 lbf ft) − Screw, cross bar M10 45 Nm (33.2 lbf ft) − Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber	Screw, front brake caliper	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, side stand attachment M8 25 Nm (18.4 lbf ft) Loctite® 2701™ Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) − Engine bracket screw M10 60 Nm (44.3 lbf ft) − Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) − Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) − Remaining screws, chassis M10 45 Nm (33.2 lbf ft) − Screw, battery compartment M10 45 Nm (33.2 lbf ft) − Screw, cross bar M10 45 Nm (33.2 lbf ft) − Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber </td <td>Screw, fuel tank</td> <td>M8</td> <td>15 Nm (11.1 lbf ft)</td> <td>Loctite® 243™</td>	Screw, fuel tank	M8	15 Nm (11.1 lbf ft)	Loctite® 243™
Screw, subframe M8 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) − Engine bracket screw M10 60 Nm (44.3 lbf ft) − Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) − Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) − Remaining screws, chassis M10 45 Nm (33.2 lbf ft) − Screw, battery compartment M10 45 Nm (33.2 lbf ft) − Screw, cross bar M10 45 Nm (33.2 lbf ft) − Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701™ Screw, top shock absorber	Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	_
Screw, top steering stem M8 17 Nm (12.5 lbf ft) Loctite® 243™ Screw, top triple clamp M8 22 Nm (16.2 lbf ft) − Engine bracket screw M10 60 Nm (44.3 lbf ft) − Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) − Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) − Remaining screws, chassis M10 45 Nm (33.2 lbf ft) − Screw, battery compartment M10 45 Nm (33.2 lbf ft) − Screw, battery compartment M10 45 Nm (33.2 lbf ft) − Screw, cross bar M10 45 Nm (33.2 lbf ft) − Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701™ Screw, top shock absorber	Screw, side stand attachment	M8	25 Nm (18.4 lbf ft)	Loctite® 2701™
Screw, top triple clamp M8 22 Nm (16.2 lbf ft) — Engine bracket screw M10 60 Nm (44.3 lbf ft) — Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) — Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, battery compartment M10 45 Nm (33.2 lbf ft) — Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243TM Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 243TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle <td>Screw, subframe</td> <td>M8</td> <td>30 Nm (22.1 lbf ft)</td> <td>Loctite® 243™</td>	Screw, subframe	M8	30 Nm (22.1 lbf ft)	Loctite® 243™
Engine bracket screw M10 60 Nm (44.3 lbf ft) — Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) — Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Screw, chassis M10 45 Nm (33.2 lbf ft) — Screw, battery compartment M10 45 Nm (33.2 lbf ft) — Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701™ Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) —	Screw, top steering stem	M8	17 Nm (12.5 lbf ft)	Loctite® 243™
Nut, fuel tank attachment M10 10 Nm (7.4 lbf ft) — Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, battery compartment M10 45 Nm (33.2 lbf ft) — Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243™ Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701™ Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 35 Nm (25.8 lbf ft) —	Screw, top triple clamp	M8	22 Nm (16.2 lbf ft)	_
Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, battery compartment M10 45 Nm (33.2 lbf ft) — Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243TM Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) —	Engine bracket screw	M10	60 Nm (44.3 lbf ft)	_
Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, battery compartment M10 45 Nm (33.2 lbf ft) — Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243 TM Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) —	Nut, fuel tank attachment	M10	10 Nm (7.4 lbf ft)	_
Screw, battery compartment M10 45 Nm (33.2 lbf ft) — Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243 TM Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) —	Remaining nuts, chassis	M10	45 Nm (33.2 lbf ft)	_
Screw, cross bar M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243 TM Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) —	Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	_
Screw, foot brake lever M10 30 Nm (22.1 lbf ft) Loctite® 243 TM Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) - Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) -	Screw, battery compartment	M10	45 Nm (33.2 lbf ft)	-
Screw, footrest bracket M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) - Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) -	Screw, cross bar	M10	45 Nm (33.2 lbf ft)	-
Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) – Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) – Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) –	Screw, foot brake lever	M10	30 Nm (22.1 lbf ft)	Loctite® 243™
Screw, upper subframe M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) – Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) – Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) –	Screw, footrest bracket	M10	45 Nm (33.2 lbf ft)	Loctite [®] 243™
Screw, bottom shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 80 Nm (59 lbf ft) Loctite® 2701 TM Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) -	Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	Loctite® 243™
Screw, top shock absorberM1280 Nm (59 lbf ft)Loctite® 2701™Nut, swingarm pivotM14x1.575 Nm (55.3 lbf ft)−Nut, rear wheel spindleM20x1.580 Nm (59 lbf ft)−Screw, front wheel spindleM20x1.535 Nm (25.8 lbf ft)−	Screw, upper subframe	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) - Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) -	Screw, bottom shock absorber	M12	80 Nm (59 lbf ft)	Loctite® 2701™
Nut, rear wheel spindleM20x1.580 Nm (59 lbf ft)-Screw, front wheel spindleM20x1.535 Nm (25.8 lbf ft)-	Screw, top shock absorber	M12	80 Nm (59 lbf ft)	Loctite® 2701™
Screw, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) –	Nut, swingarm pivot	M14x1.5	75 Nm (55.3 lbf ft)	-
· · · · · · · · · · · · · · · · · · ·	Nut, rear wheel spindle	M20x1.5	80 Nm (59 lbf ft)	-
Screw, top steering head M20x1.5 12 Nm (8.9 lbf ft) –	Screw, front wheel spindle	M20x1.5	35 Nm (25.8 lbf ft)	-
	Screw, top steering head	M20x1.5	12 Nm (8.9 lbf ft)	-

5 SUBSTANCES 21

Engine oil, 2-stroke

Standard/classification

Guideline

Only use high grade 2-stroke engine oil of a reputable brand.

Fully synthetic

Recommended supplier

Motorex®

- Cross Power 2T

Super unleaded (ROZ 95/RON 95/PON 91)

Standard/classification

DIN EN 228 (ROZ 95/RON 95/PON 91)

Guideline

- Only use unleaded super fuel that matches or is equivalent to the specified fuel grade.
- 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).

Super unleaded (95 octane) mixed with 2-stroke engine oil (1:80)

Standard/classification

- DIN EN 228
- JASO FD (₽ p. 23) (1:80)

Mixture ratio

1:80	Engine oil, 2-stroke (🕮 p. 21)
	Super unleaded (ROZ 95/RON 95/PON 91) (🕮 p. 21)

Recommended supplier Motorex®

- Cross Power 2T

Long-life grease

Recommended supplier Motorex®

- Bike Grease 2000

7 STANDARDS 23

JASO FD

JASO FD is a classification for a 2-stroke engine oil that was specifically developed for the extreme demands of racing. Thanks to first rate synthetic esters and specially designed additives, superb combustion is achieved even under extreme operating conditions.





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08/2016





