SETUP INSTRUCTIONS 2017



85 SX

Art. no. 3213592en





INTRODUCTION 1

The work described in these setup instructions must be performed 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.

All specifications are non-binding. KTM Sportmotorcycle GmbH specifically reserves the right to modify or delete technical specifications, prices, colors, forms, materials, services, designs, equipment, etc., without prior notice and without specifying reasons, to adapt these to local conditions, as well as to stop production of a particular model without prior notice. KTM accepts no liability for delivery options, deviations from illustrations and descriptions, misprints, and other errors. The models portrayed partly contain special equipment that does not belong to the regular scope of supply.

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ISO 9001(12 100 6061)

According to the international quality management standard ISO 9001, KTM uses quality assurance processes that lead to the maximum possible quality of the products.

Issued by: TÜV Management Service

KTM Sportmotorcycle GmbH 5230 Mattighofen, Austria

This document is valid for the following models:

85 SX 19/16 (F6001Q9)

85 SX 17/14 (F6001Q8)



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.

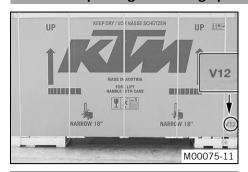
Brand™ Identifies a trademark.

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

in the glossary.

2 SETUP 3

2.1 Unpacking and setting up the vehicle



Remove the box and the plastic packaging.



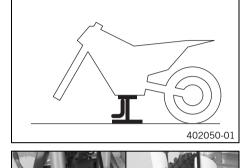
Info

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.

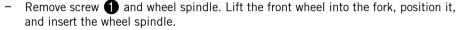
Lift stand (78929955100)

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



Remove the tension belt.

✓ The fork rebounds.



Mount and tighten the screw of the wheel spindle.

Guideline

Screw, front wheel spindle	M20x1.5	35 Nm (25.8 lbf ft)
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201938.10

Position the fender. Mount and tighten the screws.
 Guideline



- Unpack the shock absorber.
- Position the shock absorber. Mount and tighten the screws.
 Guideline

Screw, top shock absorber	M12	60 Nm (44.3 lbf ft)	Loctite [®] 2701™
Screw, bottom shock absorber	M12	60 Nm (44.3 lbf ft)	Loctite [®] 2701™

- ✓ The longer screw is used at the bottom.
- 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)

2 SETUP 4



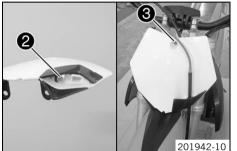
Info

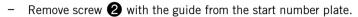
The markings on the handlebar should be at the center of the handlebar clamps.

Keep the gap widths equal when tightening.

- Position the handlebar cushion and secure with cable ties.







Position the start number plate. Mount and tighten screw 3.
 Guideline

Remaining screws, chassis M6 10 Nm (7.4 II	of ft)
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Info

Ensure the holding lugs engage in the fender.

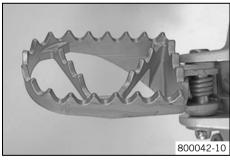
- Position the brake line and guide. Mount and tighten screw 2.

Connect the fuel line to the fuel tap.



 Mount the footrests with the springs and pins. Secure the pins using the washers and cotter pins.

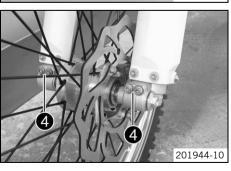
Pliers for footrest spring (58429083000)



- Take the vehicle off the work stand.
- Operate the hand brake lever several times until the brake linings are seated correctly against the brake disc.
- Activate the front brake and compress the fork a number of times forcefully to align the fork legs.
- Tighten screws 4.Guideline

Screw, fork stub	M8	15 Nm (11.1 lbf ft)
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- Refuel. (🕮 p. 7)
- Prepare the vehicle according to the specifications in the KTM Dealer.net for handover to the customer.



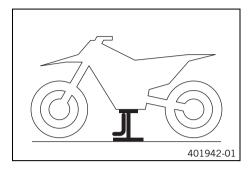
WNRK 5

3.1 Raising the motorcycle with 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.



Raise the motorcycle at the frame underneath the engine.

Lift stand (78929955100)

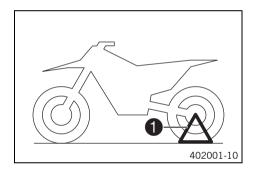
- Neither wheel is in contact with the ground.
- Secure the motorcycle against falling over.

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, insert plug-in stand 1 into the left side of the wheel spindle.



Info

Remove the plug-in stand before riding.

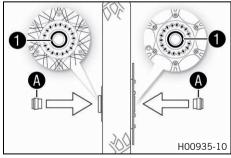
3.3 Installing the front wheel



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 (🕮 p. 11)

- Insert the spacers.
- Clean and grease wheel spindle.

Long-life grease (
p. 11)

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



B WORK 6

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. 5)
- Operate the front brake and compress the fork a few times firmly.
 - ✓ The fork legs straighten.
- Tighten screws 3.

Guideline

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

Finishing work

Remove the motorcycle from the lift stand. (
 p. 5)

3.4 Installing the front fender



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

✓ The holding lugs on the fender engage in the start number plate.

3.5 Installing the start number plate



Position the start number plate. Mount and tighten screw ①. Guideline

- ✓ The holding lugs on the fender engage in the start number plate.
- Position the brake line and clamp. Mount and tighten screw 2.

3.6 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.

3 WORK 7



Warning

Danger of poisoning Fuel is poisonous and a health hazard.

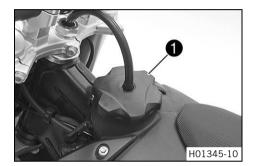
- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- In case of skin contact, rinse the affected area with plenty of water.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.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

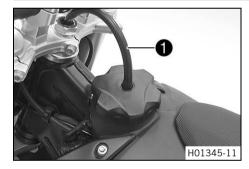
Environmental hazard Improper handling of fuel is a danger to the environment.

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



- Turn filler cap ① counterclockwise and lift it off.

3.7 Closing the filler cap



Mount filler cap and turn it clockwise until the fuel tank is tightly closed.



Info

Run fuel tank breather hose 1 without kinks.

3.8 Refueling



Danger

Fire hazard Fuel is highly flammable.

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- 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.
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- Change your clothing in case of fuel spills on them.

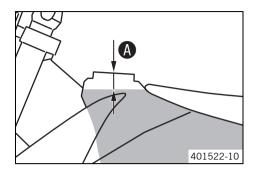
3 **WORK** 8



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.



- Switch off the engine.
- Open the filler cap. (🕮 p. 6)
- Fill the fuel tank with fuel up to measurement **A**. Guideline

Measurement of		35 mm (1.38 in)
Fuel tank capacity, approx.	5.0 l (1.32 US gal)	Super unleaded (98 octane) mixed with 2-stroke engine oil (1:40) (p. 10)
Engine oil, 2-stroke (🕮 p. 10)		

Close the filler cap. (
p. 7)

4.1 chassis tightening torques

Pin, front brake	Spoke nipple	M4.5	5 Nm (3.7 lbf ft)	_
Pin, rear brake	• • • • • • • • • • • • • • • • • • • •			_
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 10 Nm (7.4 lbf ft) - Screw, foot brake cylinder M6 10 Nm (7.4 lbf ft) - Screw, front brake disc M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, front fender M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, front fender M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, front fender M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, front fender M6 14 Nm (10.3 lbf ft) Locitie® 243™ Screw, throttle grip M6 4.5 Nm (3.32 lbf ft) - Start number plate screw M6 4 Nm (3 lbf ft) - Nut, rin lock M8 10 Nm (7.4 lbf ft) - Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) - Screw, bottom triple clamp M8 25 Nm (18.4 lbf ft) Locitie® 243™ Screw, bottom triple clamp M8	·			_
Remaining screws, chassis M6 10 Nm (7.4 lbf ft)	,			
Screw, ball joint of push rod on foot brake cylinder				_
Screw, front brake disc M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, front fender M6 10 Nm (7.4 lbf ft) – Screw, front fender M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, throttle grip M6 4.5 Nm (3.32 lbf ft) – Start number plate screw M6 4 Nm (3 lbf ft) – 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 brake caliper M8 25 Nm (18.4 lbf ft) – Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.8 lbf ft) – Screw, fork stub M8 15 Nm (14.8 lbf ft) – Screw	Screw, ball joint of push rod on foot			_
Screw, front fender M6 10 Nm (7.4 lbf ft) - Screw, rear brake disc M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, throttle grip M6 4.5 Nm (3.32 lbf ft) - Start number plate screw M6 4 Nm (3 lbf ft) - 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 brake caliper M8 25 Nm (18.4 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, pars sprocket M8 35 Nm (25.8 lbf ft) - Screw, top triple clamp M8 30 Nm (22.1 lbf ft) - Screw, top triple cl	Screw, foot brake cylinder	M6	10 Nm (7.4 lbf ft)	-
Screw, rear brake disc M6 14 Nm (10.3 lbf ft) Loctite® 243™ Screw, throttle grip M6 4.5 Nm (3.32 lbf ft) – Start number plate screw M6 4 Nm (3 lbf ft) – 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 brake caliper M8 25 Nm (18.4 lbf ft) – Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, hork stub M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, rear sprocket M8 35 Nm (25.8 lbf ft) – Screw, subframe M8 30 Nm (22.1 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Engine carrying screw M10 45 Nm (33.2 lbf ft) – Remaini	Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Screw, throttle grip M6 4.5 Nm (3.32 lbf ft) - Start number plate screw M6 4 Nm (3 lbf ft) - 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 brake caliper M8 25 Nm (18.4 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, par sprocket M8 35 Nm (22.1 lbf ft) - Screw, subframe M8 30 Nm (22.1 lbf ft) - Screw, top triple clamp M8 20 Nm (14.8 lbf ft) - Remaining screws, chassis M10 45 Nm (33.2 lbf ft) -	Screw, front fender	M6	10 Nm (7.4 lbf ft)	_
Start number plate screw M6 4 Nm (3 lbf ft) – 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 brake caliper M8 25 Nm (18.4 lbf ft) – Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 20 Nm (14.8 lbf ft) – Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) – Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243TM Screw, subframe M8 30 Nm (22.1 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Engine carrying screw M10 45 Nm (33.2 lbf ft) – Engine carrying screw M10 45 Nm (33.2 lbf ft) – Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) – Remaini	Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
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 brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) − Screw, fork stub M8 15 Nm (11.1 lbf ft) − Screw, fork stub M8 15 Nm (11.1 lbf ft) − Screw, fork stub M8 15 Nm (11.1 lbf ft) − Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) − Screw, subframe M8 35 Nm (25.8 lbf ft) Loctite® 243™ Screw, subframe M8 30 Nm (22.1 lbf ft) − Screw, top triple clamp M8 20 Nm (14.8 lbf ft) − Bengine carrying screw M10 45 Nm (33.2 lbf ft) − Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) − Remaining screws, chassis M10 45 Nm (33.2 lbf ft) Loctite® 243™	Screw, throttle grip	M6	4.5 Nm (3.32 lbf ft)	_
Remaining nuts, chassis M8 25 Nm (18.4 lbf ft) – Remaining screws, chassis M8 25 Nm (18.4 lbf ft) – Screw of brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) – Screw, handlebar clamp M8 35 Nm (25.8 lbf ft) Loctite® 243™ Screw, rear sprocket M8 30 Nm (22.1 lbf ft) – Screw, subframe M8 30 Nm (22.1 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Engine carrying screw M10 45 Nm (33.2 lbf ft) – Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) – Remaining screws, chassis M10 45 Nm (33.2 lbf ft) – Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft)	Start number plate screw	M6	4 Nm (3 lbf ft)	-
Remaining screws, chassis M8 25 Nm (18.4 lbf ft) — Screw of brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243TM Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) — Screw, fork stub M8 15 Nm (11.1 lbf ft) — Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) — Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243TM Screw, subframe M8 30 Nm (22.1 lbf ft) — Screw, top triple clamp M8 20 Nm (14.8 lbf ft) — Screw, top triple clamp M8 20 Nm (14.8 lbf ft) — Engine carrying screw M10 45 Nm (33.2 lbf ft) — Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243TM Screw, bottom shock absorber M12 60 Nm (44	Nut, rim lock	M8	10 Nm (7.4 lbf ft)	-
Screw of brake caliper M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) – Screw, fork stub M8 15 Nm (11.1 lbf ft) – Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) – Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243™ Screw, subframe M8 30 Nm (22.1 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Remaining screw M10 45 Nm (33.2 lbf ft) – Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) – Remaining screws, chassis M10 45 Nm (33.2 lbf ft) – Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 60 Nm	Remaining nuts, chassis	M8	25 Nm (18.4 lbf ft)	_
Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243™ Screw, subframe M8 30 Nm (22.1 lbf ft) - Screw, top triple clamp M8 20 Nm (14.8 lbf ft) - Engine carrying screw M10 45 Nm (33.2 lbf ft) - Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) - Remaining screws, chassis M10 45 Nm (33.2 lbf ft) - Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Nut, seat fixing M14x1.5 <td>Remaining screws, chassis</td> <td>M8</td> <td>25 Nm (18.4 lbf ft)</td> <td>-</td>	Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)	-
Screw, fork stub M8 15 Nm (11.1 lbf ft) — Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) — Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243™ Screw, subframe M8 30 Nm (22.1 lbf ft) — Screw, top triple clamp M8 20 Nm (14.8 lbf ft) — Engine carrying screw M10 45 Nm (33.2 lbf ft) — Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, foot brake lever M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) — Nut, rear wheel spindle M20x1.5	Screw of brake caliper	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) – Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243TM Screw, subframe M8 30 Nm (22.1 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Engine carrying screw M10 45 Nm (33.2 lbf ft) – Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) – Remaining screws, chassis M10 45 Nm (33.2 lbf ft) – Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243TM Screw, foot brake lever M10 40 Nm (29.5 lbf ft) Loctite® 243TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) – Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) – Nut, rear wheel spindle <	Screw, bottom triple clamp	M8	15 Nm (11.1 lbf ft)	-
Screw, rear sprocket M8 35 Nm (25.8 lbf ft) Loctite® 243 TM Screw, subframe M8 30 Nm (22.1 lbf ft) – Screw, top triple clamp M8 20 Nm (14.8 lbf ft) – Engine carrying screw M10 45 Nm (33.2 lbf ft) – Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) – Remaining screws, chassis M10 45 Nm (33.2 lbf ft) – Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) – Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) – Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) – Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) –	Screw, fork stub	M8	15 Nm (11.1 lbf ft)	-
Screw, subframe M8 30 Nm (22.1 lbf ft) — Screw, top triple clamp M8 20 Nm (14.8 lbf ft) — Engine carrying screw M10 45 Nm (33.2 lbf ft) — Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243™ Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) — Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) —	Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	-
Screw, top triple clamp M8 20 Nm (14.8 lbf ft)	Screw, rear sprocket	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Engine carrying screw M10 45 Nm (33.2 lbf ft) Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) Remaining screws, chassis M10 45 Nm (33.2 lbf ft) - Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) Nut, rear wheel spindle M20x1.5 Nut, steering stem M20x1.5 Nut, on M12x1 Nut, rear wheel spindle M20x1.5 Nut, on M12x1 Nut, steering stem M20x1.5	Screw, subframe	M8	30 Nm (22.1 lbf ft)	-
Remaining nuts, chassis M10 45 Nm (33.2 lbf ft) — Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) — Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) —	Screw, top triple clamp	M8	20 Nm (14.8 lbf ft)	-
Remaining screws, chassis M10 45 Nm (33.2 lbf ft) — Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) — Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) —	Engine carrying screw	M10	45 Nm (33.2 lbf ft)	-
Screw, foot brake lever M10 45 Nm (33.2 lbf ft) Loctite® 243 TM Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) - Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) - Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) -	Remaining nuts, chassis	M10	45 Nm (33.2 lbf ft)	-
Screw, handlebar support M10 40 Nm (29.5 lbf ft) Loctite® 243 TM Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701 TM Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) - Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) - Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) -	Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	-
Screw, bottom shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) - Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) - Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) -	Screw, foot brake lever	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, top shock absorber M12 60 Nm (44.3 lbf ft) Loctite® 2701™ Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) — Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) — Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) — Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) —	Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	Loctite® 243™
Nut, seat fixing M12x1 20 Nm (14.8 lbf ft) – Nut, swingarm pivot M14x1.5 75 Nm (55.3 lbf ft) – Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) – Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) –	Screw, bottom shock absorber	M12	60 Nm (44.3 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) - Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) -	Screw, top shock absorber	M12	60 Nm (44.3 lbf ft)	Loctite® 2701 TM
Nut, rear wheel spindle M20x1.5 80 Nm (59 lbf ft) - Nut, steering stem M20x1.5 10 Nm (7.4 lbf ft) -	Nut, seat fixing	M12x1	20 Nm (14.8 lbf ft)	_
Nut, steering stem M20x1.5 10 Nm (7.4 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, front wheel spindle M20x1.5 35 Nm (25.8 lbf ft) –	Nut, steering stem	M20x1.5	10 Nm (7.4 lbf ft)	-
	Screw, front wheel spindle	M20x1.5	35 Nm (25.8 lbf ft)	-

5 SUBSTANCES 10

Engine oil, 2-stroke

Standard/classification

- JASO FD (♀ p. 12)

Guideline

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

Fully synthetic

Recommended supplier

Motorex®

Cross Power 2T

Super unleaded (ROZ 98 / RON 98 / PON 94)

Standard/classification

DIN EN 228 (ROZ 98 / RON 98 / PON 94)

Super unleaded (98 octane) mixed with 2-stroke engine oil (1:40)

Standard/classification

- DIN EN 228
- JASO FD (₽ p. 12) (1:40)

Mixture ratio

1:40	Engine oil, 2-stroke (🕮 p. 10)	
	Super unleaded (ROZ 98 / RON 98 / PON 94) (🕮 p. 10)	

Recommended supplier

Motorex®

- Cross Power 2T

Long-life grease

Recommended supplier Motorex® — Bike Grease 2000

7 STANDARDS 12

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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