SETUP INSTRUCTIONS 2008



Packaging 5
690 SMC EU
690 SMC AUS/UK
690 SMC USA

ART. NO. 3211383en



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.

Print out the current PDI form found on the KTM DEALER.NET.

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 AG in particular 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 prudction of a particular model without prior notice. KTM accepts no liability for delivery options, deviations from illustrations and descriptions, as well as misprints and other errors. The models portrayed partly contain special equipment that does not belong to the regular scope of delivery.

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ISO 9001(12 100 6061)

Within the meaning of 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 AG 5230 Mattighofen, Austria

Symbols used

The symbols used are explained in the following.



Indicates an expected reaction (e.g. of a work step or a function).



Indicates an unexpected reaction (e.g. of a work step or a function).



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

Formats used

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

Name Indicates a proprietary name.

Protected name® Identifies a protected name.

Trademark™ Identifies a brand in merchandise traffic.

SET-UP

Unpacking and setting up the vehicle



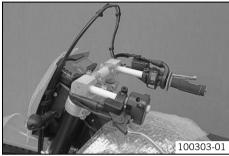
- Remove the box and the plastic packaging.



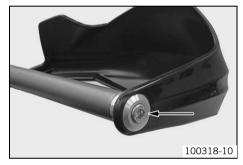
Info

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

- Check the vehicle for transport damage.
- Unpack the separate enclosure and check its contents on the basis of the enclosure list.
- Remove the operating elements from the transport holder. Remove the screws and handlebar clamps. Remove the transport holder.



Remove the M8 screw from the right hand guard.

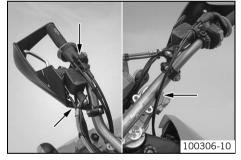


Position the operating elements on the right half of the handlebar.



Info

The routing of cables and Bowden cables can be seen in the figure.



- Position the handlebar.
 - ✓ The mark 1 of the scale on the handlebar should be in the center of the handlebar clamp.
- Position the handlebar clamps. Fit and evenly tighten the four screws.
 Guideline

Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
ociew, nanarebar ciamp	1410		

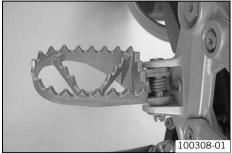


Position the operating elements on the left half of the handlebar. Fit the screws.

SET-UP



- Mount and tighten the rear mirror adapter and rear mirror on both sides.
- Position all operating elements exactly on the handlebar. Tighten all screws.
- Fit and tighten the M8 screw of the right hand guard.



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

Plier for footrest spring (58429083000)

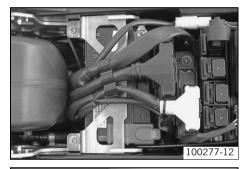
- Remove the protective plastic.
- Carefully loosen and remove the tensioning belt over the link fork.



Info

An assistant prevents the motorcycle from falling over.

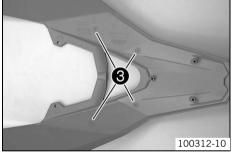
- Carefully loosen and remove the tensioning belts around the lower triple clamp.
 - ✓ The vehicle is released at the front.
- Together with an assistant, take the vehicle off of the palette.
- Recharge the battery. (♥ S. 7)
- Install the battery. (♥ S. 8)



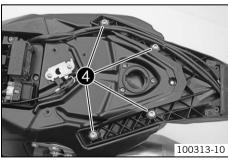
- Remove the rear fairing. (♥ S. 8)
- 4 markings 3 can be seen on the underside of the rear cover. At these positions, drill holes in three steps of the prescribed size.

Guideline

Ī	Hole diameter for grap handles	14.50 mm (0.5709 in)



- Remove screws 4.
- Fit the rear fairing. (♥ S. 9)



Mount the reflector.

Operation as 2-seater

Fit the rear footrest bracket. (♥ S. 9)



SET-UP 5

Operation as 1-seater (at customer request only)



Warning

Forfeiture of homologation and insurance cover The vehicle is homologated as 2-seater. If the heel protector is fitted instead of the footrest bracket, the vehicle no longer conforms to the homologation and must not be operated in this form without alterations to the registration papers.

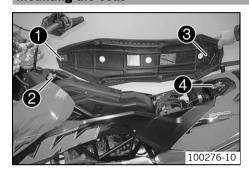
- Set up and operate the vehicle as a 2-seater or have changes made to the registration papers.
- Fit the heel protector. (♥ S. 9)
- Fill up with fuel. (♥ S. 10)
- Print out the current PDI form found on KTM DEALER.NET and perform the delivery inspection.
- Set kilometers or miles. (♥ S. 11)

Removing the seat



- Pull on strap and raise the rear of the seat at the same time.
- Pull back the seat and lift it off.

Mounting the seat



- Hook slot 1 of the seat onto screw 2, press the rear downward and at the same time push it forward.
- Push locking pin (a) into lock housing (b) and push the back of the seat down until
 the locking pin locks in place with an audible click.
- Finally, check that the seat is correctly mounted.

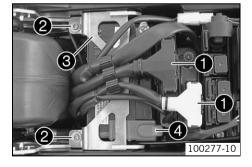
Removing the battery



Warning

Risk of injury Battery acid and battery gases cause serious cauterization.

- Keep batteries out of the reach of children.
- Wear suitable protective clothing and goggles.
- Avoid contact with battery acid and battery gases.
- Keep the battery away from sparks or open fire. Charge only in well ventilated rooms.
- In the event of skin contact, rinse with large amounts of water. If battery acid gets in the eyes, rinse with water for at least 15 minutes and contact a doctor.



- Remove the seat. (♥ S. 6)
- Disconnect the negative (minus) cable of the battery.
- Pull off connector 1 in an upward direction.
- Remove screws 2.
- Pull retaining bracket **3** of the battery forward and remove it.
- Take off the positive terminal cover 4.
- Disconnect the positive (plus) cable of the battery.
- Press the wiring harness to one side and pull the battery out of the battery rack.



Info

Never operate the motorcycle with a discharged battery or without a battery. In both cases, electrical components can safety equipment can be damaged. The vehicle is then no longer safe to ride.

WORK -

Recharging the battery



Warning

Risk of injury Battery acid and battery gases cause serious cauterization.

- Keep batteries out of the reach of children.
- Wear suitable protective clothing and goggles.
- Avoid contact with battery acid and battery gases.
- Keep the battery away from sparks or open fire. Charge only in well ventilated rooms.
- In the event of skin contact, rinse with large amounts of water. If battery acid gets in the eyes, rinse with water for at least 15 minutes and contact a doctor.



Warning

Environmental hazard Components and battery acid are a danger to the environment.

- Do not dispose of batteries in normal household waste. Take defective or used batteries to a battery recycling operator.



Warning

Environmental hazard Problem materials cause environmental damage.

- Dispose of oil, grease, filters, fuel, cleaning substances, brake fluid, batteries, etc. according to regulations.



Info

Even if there is no load on the battery, it loses power every day.

100151-10

The charge state and the type of charge are very important for the service life of the battery.

Fast recharging with a high charge current shortens the battery's service life.

If the charge current, the charge voltage and the charge time are exceeded, electrolyte escapes through the breathing holes. The battery capacity is then reduced.

If the battery becomes discharged from starting, it must be recharged immediately.

If the battery rests for an extended time in a discharged state, it becomes over-discharged and sulfated, which will result in its destruction.

The battery is maintenance-free, i.e., the acid level does not have to be checked.

- Switch off all power-consuming components and switch off the engine.
- Remove the battery. (♥ S. 6)
- Connect the battery charger to the battery. Switch on the battery charger.

Battery charger (58429074000)

You can also use the battery charger to test rest potential and start potential of the battery, and to test the generator. With this device, you cannot overcharge the battery.







Info

Never remove the lid **1**.

Charge the battery according to the instructions 2 on the battery casing.

After charging, switch off and disconnect the battery charger.
 Guideline

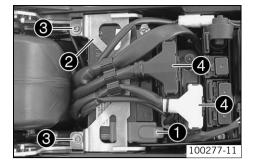
The charge current, charge voltage and charge time must not be exceeded.

Charge the battery regularly when the 3 months

motorcycle is not in use.

Install the battery. (S. 8)

Installing the battery



- Slide the battery into the battery rack.



Info

The battery terminals must be at the rear.

- Attach the positive cable and mount positive terminal cover •.
- Position retaining bracket ②.
- Mount and tighten screws 3.
 Guideline

- Plug in connector 4.
- Attach the minus cable.
- Mount the seat. (S. 6)
- Set the clock. (♥ S. 11)

Opening filler cap



- Lift the cover of the filler cap and insert the ignition key.
- Turn the ignition key 90° counterclockwise and remove the filler cap.



Info

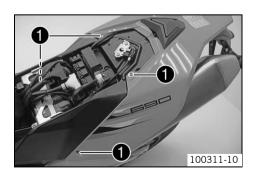
The filler cap has a tank air vent system.

Closing filler cap



- Put the filler cap back on and turn the ignition key 90° clockwise.
- Remove the ignition key and fold down the cover.

Removing rear fairing

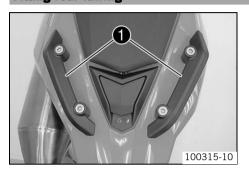


- Remove the seat. (S. 6)
- Remove screws 1.



- Remove screws 2.
- Open the filler cap. (♥ S. 8)
- Take off the rear fairing.
- Close the filler cap. (♥ S. 8)

Fitting rear fairing



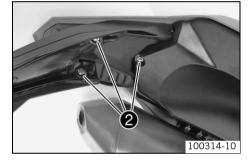
- Position the license plate holder and cable harness.
- Open the filler cap. (♥ S. 8)
- Position the rear fairing and grab handles as shown in the figure. Fit and slightly tighten the screws of the grab handles.
- Close the filler cap. (S. 8)
- Fit and tighten the screws on the rear fairing.
 Guideline

Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)
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- Mount and tighten screws ②.
- Tighten the screws of the grab handles.
 Guideline

Screw, handrail	M8	20 Nm
		(14.8 lbf ft)

Mount the seat. (S. 6)

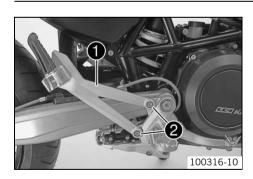


Fitting the rear footrest bracket



Info

The operations are the same for the left and right sides.



Position the footrest bracket ①. Mount and tighten screws ②.
 Guideline

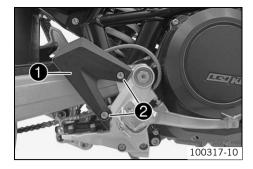
Screw, rear footrest bracket	M8x16	25 Nm
		(18.4 lbf ft)

Fitting heel protector



Info

The operations are the same for the left and right sides.





Warning

Forfeiture of homologation and insurance cover The vehicle is homologated as 2-seater. If the heel protector is fitted instead of the footrest bracket, the vehicle no longer conforms to the homologation and must not be operated in this form without alterations to the registration papers.

- Set up and operate the vehicle as a 2-seater or have changes made to the registration papers.
- Position the heel protector ①. Mount and tighten screws ②.
 Guideline

Screw, heel protector	M8x12	8 Nm (5.9 lbf ft)

Refueling



Danger

Fire hazard Fuel can easily catch fire.

- Never fill up the vehicle near open flames or burning cigarettes, and always switch off the engine first. Be careful that no
 fuel is spilt, especially on hot vehicle components. Clean up spilt fuel immediately.
- Fuel in the fuel tank expands when warm and can escape if the tank is overfilled. See specifications on filling up with fuel.



Warning

Danger of poisoning Fuel is poisonous and a health hazard.

Avoid contact between fuel and skin, eyes and clothing. Do not inhale fuel vapors. If fuel gets into your eyes, rinse immediately with water and contact a doctor. Wash affected skin areas immediately with soap and water. If fuel is swallowed, contact a doctor immediately. Change clothing that has come into contact with fuel.



Warning

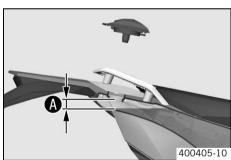
Environmental hazard Improper handling of fuel is a danger to the environment.

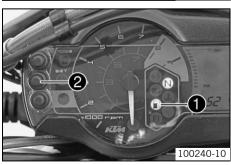
- Do not allow fuel to get into the ground water, the ground, or the sewage system.



Info

This motorcycle is equipped with a regulated catalyst. Leaded fuel will destroy the catalyst. You should therefore use unleaded fuel only.





- switch off engine.
- Open the filler cap. (♥ S. 8)
- Fill the fuel tank with fuel up to measurement **3**.
 Guideline

Measurement of A		20 mm (0.79 in)	
Fuel tank content	12 l (3.2 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (S. 14)	

- Close the filler cap. (S. 8)
- Press the **SET 2** function button for 2 seconds.
 - ✓ The fuel level warning lamp

 switches off. TRIP F is set to 0 and appears in the previous display mode.



Info

If you do not press the **SET ②** function button, the reset takes place automatically after about 3 minutes.

Setting the clock



Condition

The motorcycle is standing.

- Switch on the ignition by turning the ignition key in the position ON (690 SMC USA).
- Press the MODE button several times until the ODO display mode is active.
- Keep the MODE button and the SET button pressed simultaneously.
 - ✓ The time begins to flash.
- Press the MODE button to adjust the hour.
- Press the **SET** button to adjust the minute.
- Keep the **MODE** button and the **SET** button pressed simultaneously.
 - ✓ The time is set.

Setting kilometers or miles

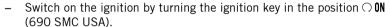


Info

If you change the unit, the **ODO** value is retained and converted accordingly. Making the setting according to the country.

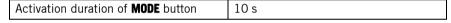


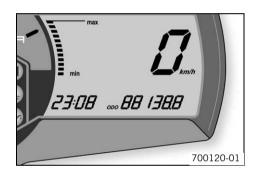
The motorcycle is standing.



- Press the **MODE** button several times until the **ODO** display mode is active.
- Keep the MODE button pressed until the display mode changes from Km/h to Mph or from Mph to Km/h.

Guideline





Sproke inpile, front wheel	Remaining screws, chassis	M5	4 Nm (3 lbf ft)	T_
Sprew, subhaush heat sheled M5				
Screw, eshaust heat shield M5 8 Nm (5,9 lbf ft) — Screw, electrical holder M5 3 Nm (2,2 lbf ft) — Screw, fuel pump M5 6 Nm (4,4 lbf ft) Loctice 243™ Screw, fuel pump M5 6 Nm (4,4 lbf ft) — Screw, fuel pump M5 7 3 Nm (2,2 lbf ft) — Screw, side cover M5 2 Nm (1,4 lbf ft) — Screw, sealight mask M5 5 Nm (3,7 lbf ft) — Screw, sealight mask M5 5 Nm (3,7 lbf ft) — Screw, seal lock M5 3 Nm (2,2 lbf ft) — Screw, seal lock M5 3 Nm (2,2 lbf ft) — Screw, seal lock M5 3 Nm (2,2 lbf ft) — Screw, seal lock M5 3 Nm (2,2 lbf ft) — Screw, seat lock M5 3 Nm (2,2 lbf ft) — Screw, seat lock M6 10 Nm (2,2 lbf ft) — Screw, seat lock M6 10 Nm (2,2 lbf ft) — Remaining nuts, chassis M6 10 Nm (2,2 lbf ft) — Remaining screws on fuel tank M6 6 Nm (4,4 lbf ft) — Remaining screws on fuel tank M6 6 Nm (4,4 lbf ft) — Screw, rear brake disc M6 10 Nm (7,4 lbf ft) — Screw, rear brake disc M6 10 Nm (7,4 lbf ft) — Screw, rear brake disc M6 14 Nm (10,3 lbf ft) — Screw, license plate holder, bottom M6 14 Nm (10,3 lbf ft) Loctice 243™ Screw, license plate holder, bottom M6 10 Nm (7,4 lbf ft) — Screw, license plate holder, bottom M6 10 Nm (7,4 lbf ft) — Screw, license plate holder, bottom M6 10 Nm (7,4 lbf ft) — Screw, license plate holder, bottom M6 10 Nm (7,4 lbf ft) — Screw, lock screw M6 14 Nm (10,3 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock screw M6 10 Nm (7,4 lbf ft) Loctice 243™ Screw, lock				
Screw, celectrical holder Screw, incothrake pedal foothold M5 6 Nm (4.4 lbf ft) Locite® 243™			· ·	
Screw, footbrake pedal footbold M5				_
Screw, fuel pump	,			Loctite® 243TM
Screw, fuel level indicator M5 3 Nm (2.2 lbf ft) - Screw, side cover M5 2 Nm (1.5 lbf ft) - Screw, side cover M5 5 Nm (3.7 lbf ft) - Screw, side stand switch M5 5 Nm (3.7 lbf ft) - Screw, safe stand switch M5 3 Nm (2.2 lbf ft) - Screw, starter cable on starter M5 3 Nm (2.2 lbf ft) - Nut, foot brake cylinder screw M6 10 Nm (7.4 lbf ft) - Remaining nuts, chassis M6 15 Nm (11.1 lbf ft) - Remaining screws on fuel tank M6 6 Nm (4.4 lbf ft) - Remaining screws, chassis M6 10 Nm (7.4 lbf ft) - Screw, trace fluid reservoir of rear M6 5 Nm (3.7 lbf ft) - Screw, trace fluid reservoir of rear M6 14 Nm (10.3 lbf ft) Locite® 243™ Screw, rear brake disc M6 14 Nm (10.3 lbf ft) Locite® 243™ Screw, pall joint of push rod on foot-tracke collect M6 18 Nm (5.9 lbf ft) - Screw, lace plate holder, bottom	•			_
Screw, isade cover	, , ,			 _
Screw, beadlight mask	,		· · ·	<u> </u>
Screw, seal took	· · · · · · · · · · · · · · · · · · ·			
Screw, sarter cable on starter				_
Screw, starter cable on starter	,			Loctite® 222
Nut, foot brake cylinder screw M6	,			
Remaining nuts, chassis	· · · · · · · · · · · · · · · · · · ·			<u> </u>
Remaining screws on fuel tank M6 6 Nm (4.4 lbf ft)	, ,			
Remaining screws, chassis M6	•			<u> </u>
Screw, brake fluid reservoir of rear brake M6				<u> </u>
Screw, rear brake disc M6	,		· ·	
Screw, front brake disc M6	•	-		
Screw, license plate holder, bottom	Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	Loctite [®] 243™
Screw, ball joint of push rod on footbrake cylinder	Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	Loctite [®] 243™
brake cylinder M6 5 Nm (3.7 lbf ft) — Screw, radiator bracket M6 5 Nm (7.4 lbf ft) Loctite® 243™ Screw, nagnetic holder on side stand M6 10 Nm (7.4 lbf ft) Loctite® 243™ Screw, voltage regulator/rectifier M6 4 Nm (3 lbf ft) — Screw, ignition lock M6 10 Nm (7.4 lbf ft) Loctite® 243™ Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Loctite® 243™ Nut, manifold on cylinder head M8 25 Nm (18.4 lbf ft) Copper paste Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) — Remaining screws, chassis M8 25 Nm (18.4 lbf ft) — Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) — Screw, front brake caliper M10x1.25 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, front brake caliper M8 25 Nm (18.4 lbf ft) — Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) — Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) — <td>Screw, license plate holder, bottom</td> <td>M6</td> <td>8 Nm (5.9 lbf ft)</td> <td>-</td>	Screw, license plate holder, bottom	M6	8 Nm (5.9 lbf ft)	-
Screw, radiator bracket M6 5 Nm (3.7 lbf ft) - Screw, magnetic holder on side stand M6 10 Nm (7.4 lbf ft) Locite® 243™ Screw, voltage regulator/rectifier M6 8 Nm (5.9 lbf ft) - Screw, SLS valve M6 4 Nm (3 lbf ft) - Screw, ignition lock M6 10 Nm (7.4 lbf ft) Locite® 243™ Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Locite® 243™ Nut, manifold on cylinder head M8 25 Nm (18.4 lbf ft) Copper paste Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) - Remaining screws, chassis M8 25 Nm (18.4 lbf ft) - Screw, schaust clamp on main silencer M8 25 Nm (18.4 lbf ft) - Screw, chaust clamp on main silencer M10x1.25 45 Nm (33.2 lbf ft) Locite® 243™ Screw, hand silencer holder M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) - Screw, near footrest bracket M8x12 8 Nm (5.9 lbf ft) -		M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, voltage regulator/rectifier M6 8 Nm (5.9 lbf ft) − Screw, SLS valve M6 4 Nm (3 lbf ft) − Screw, ignition lock M6 10 Nm (7.4 lbf ft) Locite® 243™ Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Locite® 243™ Nut, manifold on cylinder head M8 25 Nm (18.4 lbf ft) Copper paste Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) − Remaining screws, chassis M8 25 Nm (18.4 lbf ft) − Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) − Screw, front brake caliper M10x1.25 45 Nm (33.2 lbf ft) Locitie® 243™ Screw, front brake caliper M8 25 Nm (18.4 lbf ft) − Screw, main silencer holder M8 25 Nm (18.4 lbf ft) − Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) − Screw, heel protector M8x12 8 Nm (5.9 lbf ft) − Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) − Screw, spring hol		M6	5 Nm (3.7 lbf ft)	1-
Screw, voltage regulator/rectifier M6 8 Nm (5.9 lbf ft) − Screw, SLS valve M6 4 Nm (3 lbf ft) − Screw, ignition lock M6 10 Nm (7.4 lbf ft) Locite® 243™ Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Locite® 243™ Nut, manifold on cylinder head M8 25 Nm (18.4 lbf ft) Copper paste Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) − Remaining screws, chassis M8 25 Nm (18.4 lbf ft) − Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) − Screw, front brake caliper M10x1.25 45 Nm (33.2 lbf ft) Locitie® 243™ Screw, front brake caliper M8 25 Nm (18.4 lbf ft) − Screw, main silencer holder M8 25 Nm (18.4 lbf ft) − Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) − Screw, heel protector M8x12 8 Nm (5.9 lbf ft) − Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) − Screw, spring hol		M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, SLS valve		M6	8 Nm (5.9 lbf ft)	
Nut, rear sprocket screw M8 35 Nm (25.8 lbf ft) Copper paste Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) - Remaining screws, chassis M8 25 Nm (18.4 lbf ft) - Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) - Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) - Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) - Screw, front brake caliper M10x1.25 M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) - Screw, heel protector M8x12 8 Nm (5.9 lbf ft) - Screw, front footrest bracket M8x16 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) - Screw, top triple clamp M8 17 Nm (12.5 lbf ft) - Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) - Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) - Screw, fuel tank, top M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) - Screw, handlebar clamp				-
Nut, manifold on cylinder head Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) - Remaining screws, chassis M8 25 Nm (18.4 lbf ft) - Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) - Screw, front brake caliper M10x1.25 M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) - Screw, heel protector M8x12 8 Nm (5.9 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket Screw, top triple clamp M8 17 Nm (12.5 lbf ft) - Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) - Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, bottom	Screw, ignition lock	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Remaining nuts, chassis M8 30 Nm (22.1 lbf ft) - Remaining screws, chassis M8 25 Nm (18.4 lbf ft) - Screw, exhaust clamp on main silencer M8 25 Nm (18.4 lbf ft) - Screw, front brake caliper M10x1.25 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, main silencer holder M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank M8 25 Nm (18.4 lbf ft) - Screw, heel protector M8x12 8 Nm (5.9 lbf ft) - Screw, footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, top triple clamp M8 17 Nm (12.5 lbf ft) - Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, steer	Nut, rear sprocket screw	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Remaining screws, chassis	Nut, manifold on cylinder head	M8	25 Nm (18.4 lbf ft)	Copper paste
Remaining screws, chassis	Remaining nuts, chassis			
Screw, front brake caliper M10x1.25 45 Nm (33.2 lbf ft) Loctite® 243™ Screw, main silencer holder M8 25 Nm (18.4 lbf ft) - Screw, main silencer holder on fuel tank Screw, heel protector M8x12 8 Nm (5.9 lbf ft) - Screw, rear footrest bracket M8x16 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket Screw, top triple clamp M8 17 Nm (12.5 lbf ft) - Screw, forth triple clamp M8 12 Nm (8.9 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243™ Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™		M8	25 Nm (18.4 lbf ft)	-
Screw, main silencer holder Screw, main silencer holder on fuel tank Screw, main silencer holder on fuel tank Screw, heel protector M8x12 8 Nm (5.9 lbf ft) - Screw, rear footrest bracket M8x16 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket Screw, top triple clamp M8 17 Nm (12.5 lbf ft) - Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) - Screw, steering stem M8 15 Nm (11.1 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243™ Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, license plate holder, top M8 25 Nm (18.4 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) - Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ - Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ - Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ - Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ - Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) Loctite® 243™ - Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) Loctite® 243™	Screw, exhaust clamp on main silencer	M8	25 Nm (18.4 lbf ft)	-
Screw, main silencer holder on fuel tank Screw, heel protector M8x12 8 Nm (5.9 lbf ft) - Screw, rear footrest bracket M8x16 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) Loctite® 243TM Screw, fork stub M8 20 Nm (14.8 lbf ft) Loctite® 243TM	Screw, front brake caliper	M10x1.25	45 Nm (33.2 lbf ft)	Loctite [®] 243™
tank M8x12 8 Nm (5.9 lbf ft) - Screw, heel protector M8x16 25 Nm (18.4 lbf ft) - Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) - Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, spring holder on side stand bracket M8 17 Nm (12.5 lbf ft) - Screw, top triple clamp M8 12 Nm (8.9 lbf ft) - Screw, bottom triple clamp M8 15 Nm (11.1 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243™ Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243™	Screw, main silencer holder	M8	25 Nm (18.4 lbf ft)	_
Screw, rear footrest bracket M8x16 25 Nm (18.4 lbf ft) — Screw, front footrest bracket M8 25 Nm (18.4 lbf ft) — Screw, spring holder on side stand bracket M8 25 Nm (18.4 lbf ft) Loctite® 243TM Screw, top triple clamp M8 17 Nm (12.5 lbf ft) — Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) — Screw, fork stub M8 15 Nm (11.1 lbf ft) — Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243TM Screw, handrail M8 20 Nm (14.8 lbf ft) — Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) — Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) — Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) — Screw, fuel tank, bottom M8 20 Nm (14.8 lbf ft) — Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) — Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) —	*	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, front footrest bracket M8 25 Nm (18.4 lbf ft)	Screw, heel protector	M8x12	8 Nm (5.9 lbf ft)	-
Screw, spring holder on side stand bracket Screw, top triple clamp M8 17 Nm (12.5 lbf ft) Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) Screw, fork stub M8 15 Nm (11.1 lbf ft) Screw, steering stem M8 20 Nm (14.8 lbf ft) Screw, handrail M8 20 Nm (14.8 lbf ft) Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243™ Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Loctite® 243™	Screw, rear footrest bracket	M8x16	25 Nm (18.4 lbf ft)	-
bracketM817 Nm (12.5 lbf ft)-Screw, top triple clampM812 Nm (8.9 lbf ft)-Screw, fork stubM815 Nm (11.1 lbf ft)-Screw, steering stemM820 Nm (14.8 lbf ft)Loctite® 243™Screw, handrailM820 Nm (14.8 lbf ft)-Screw, license plate holder, topM820 Nm (14.8 lbf ft)-Screw, fuel tank, topM825 Nm (18.4 lbf ft)Loctite® 243™Screw, fuel tank, bottomM825 Nm (18.4 lbf ft)Loctite® 243™Screw, handlebar clampM820 Nm (14.8 lbf ft)Loctite® 243™	Screw, front footrest bracket	M8	25 Nm (18.4 lbf ft)	-
Screw, bottom triple clamp M8 12 Nm (8.9 lbf ft) - Screw, fork stub M8 15 Nm (11.1 lbf ft) - Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243 TM Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243 TM Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM Loctite® 243 TM		M8	25 Nm (18.4 lbf ft)	Loctite [®] 243™
Screw, fork stub M8 15 Nm (11.1 lbf ft) Coctite® 243 TM Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243 TM Screw, handrail M8 20 Nm (14.8 lbf ft) Coccew, license plate holder, top M8 20 Nm (14.8 lbf ft) Coccew, fuel tank, top M8 25 Nm (18.4 lbf ft) Coccew, fuel tank, bottom M8 25 Nm (18.4 lbf ft) Coccew, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM Loctite® 243 TM Loctite® 243 TM	Screw, top triple clamp	M8	17 Nm (12.5 lbf ft)	-
Screw, steering stem M8 20 Nm (14.8 lbf ft) Loctite® 243 TM Screw, handrail M8 20 Nm (14.8 lbf ft) - Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) - Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243 TM Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) - Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM	Screw, bottom triple clamp	M8	12 Nm (8.9 lbf ft)	-
Screw, handrail M8 20 Nm (14.8 lbf ft) – Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) – Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243 TM Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) – Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM	Screw, fork stub	M8	15 Nm (11.1 lbf ft)	-
Screw, license plate holder, top M8 20 Nm (14.8 lbf ft) — Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243 TM Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) — Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM	Screw, steering stem	M8	20 Nm (14.8 lbf ft)	Loctite [®] 243™
Screw, fuel tank, top M8 25 Nm (18.4 lbf ft) Loctite® 243 TM Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) – Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM	Screw, handrail	M8	20 Nm (14.8 lbf ft)	-
Screw, fuel tank, bottom M8 25 Nm (18.4 lbf ft) – Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM	Screw, license plate holder, top	M8	20 Nm (14.8 lbf ft)	-
Screw, handlebar clamp M8 20 Nm (14.8 lbf ft) Loctite® 243 TM	Screw, fuel tank, top	M8	25 Nm (18.4 lbf ft)	Loctite [®] 243™
7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Screw, fuel tank, bottom	M8	25 Nm (18.4 lbf ft)	-
Screw, side stand bracket M8 25 Nm (18.4 lbf ft) –	Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	Loctite [®] 243™
	Screw, side stand bracket	M8	25 Nm (18.4 lbf ft)	-

Screw, connection lever on frame	M8	30 Nm (22.1 lbf ft)	_
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)	-
Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	-
Engine carrying screw	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, top shock absorber	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, bottom shock absorber	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, foot brake pedal	M10LH	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	-
Screw, engine bearer on frame	M10	45 Nm (33.2 lbf ft)	-
Screw, side stand	M10	35 Nm (25.8 lbf ft)	Loctite® 243™
Lambda probe	M12x1.25	24.5 Nm (18.07 lbf ft)	-
Screw, swingarm pivot	M12x1.75	80 Nm (59 lbf ft)	-
Nut, linkage lever to rocker arm	M14x1.5	100 Nm (73.8 lbf ft)	-
Nut, linkage lever on swingarm	M14x1.5	100 Nm (73.8 lbf ft)	-
Screw, top steering head	M20x1.5	10 Nm (7.4 lbf ft)	-
Screw, bottom steering head	M20x1.5	60 Nm (44.3 lbf ft)	Loctite® 243™
Screw, front wheel spindle	M24x1.5	40 Nm (29.5 lbf ft)	-
Nut, rear wheel spindle	M25x1.5	90 Nm (66.4 lbf ft)	_

SUBSTANCES 14

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

according to

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



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