

## 125 Duke 200 Duke

Art. no. 3213457en



**KTM**



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)

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Issued by: TÜV Management Service

REG.NO. 12 100 6061

KTM Sportmotorcycle GmbH  
5230 Mattighofen, Austria

This document is valid for the following models:

125 Duke EU (F4003P1, F4003P2, F4003P3, F4003P4)

200 Duke EU (F4103P1, F4103P2)

200 Duke AR (F4142P1, F4142P2, F4142P3, F4142P4)

200 Duke ASIA (F4188P1, F4188P2)

200 Duke 2017 BR (F4140P1, F4140P2)

200 Duke CN (F4187P1)

200 Duke 2017 CO (F4141P3, F4141P4)

200 Duke MY (F4189P1, F4189P2)

200 Duke TH (F4183P1, F4183P2)



## 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.

|                                |   |
|--------------------------------|---|
| <b>Proprietary name</b>        | Identifies a proprietary name.  |
| <b>Name<sup>®</sup></b>        | Identifies a protected name.  |
| <b>Brand<sup>™</sup></b>       | Identifies a trademark.   |
| <b><u>Underlined terms</u></b> | Refer to technical details of the vehicle or indicate technical terms, which are explained in the glossary. |

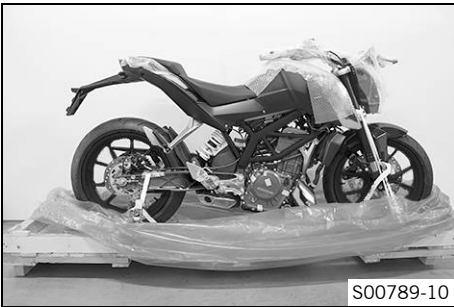
## 2.1 Unpacking and setting up the vehicle



- Remove the straps and box.



- Remove the adhesive tape in the upper area of the motorcycle.

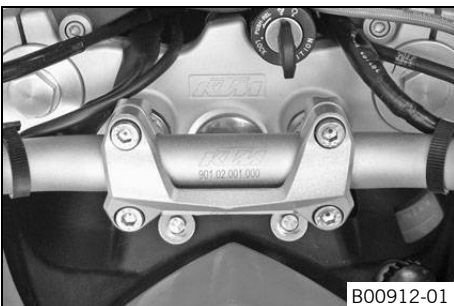


- Roll down the film at the sides.

**i Info**

To avoid damaging the motorcycle during unpacking, leave the other films on the vehicle until you have finished work on the vehicle.

- Remove the separate enclosure and unpack it. Check the separate enclosure for completeness.
- Check the vehicle for transport damage.



- Position the handlebar.
  - ✓ The lettering on the handlebar is situated in the middle of the handlebar clamp.
- Position the handlebar clamps. Mount and tighten the screws evenly.

Guideline

|                        |    |                        |               |
|------------------------|----|------------------------|---------------|
| Screw, handlebar clamp | M8 | 21 Nm<br>(15.5 lbf ft) | Loctite® 243™ |
|------------------------|----|------------------------|---------------|



- Mount and tighten the rear mirror on both sides.
- Position all controls in their exact positions on the handlebar. Tighten all screws.



- Mount the reflector.
- Remove the protective plastic.
- Carefully loosen and remove the tensioning belt over the swingarm.

**i 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.

- Take the vehicle off the pallet.
- 

**Warning**

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

- Keep batteries out of the reach of children.
  - Wear suitable protective clothing and goggles.
  - Avoid contact with battery acid and battery gases.
  - Keep sparks and open flames away from the battery. Only charge 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 physician.
- 

- Fill the battery.
- 

**Info**

Read the notes in the battery package.

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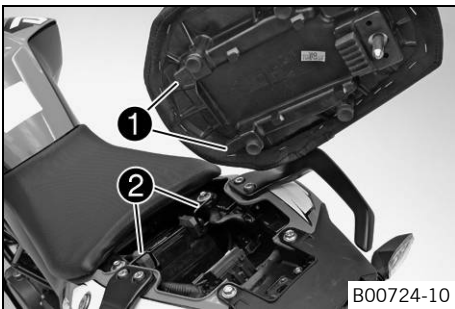
- Recharge the battery. (📖 p. 6)
- Install the battery. (📖 p. 7)
- Refuel. (📖 p. 9)
- Prepare the vehicle according to the specifications in the **KTM Dealer.net** for hand-over to the customer.
- Set kilometers or miles. (📖 p. 10)
- Set the clock. (📖 p. 10)

## 3.1 Removing the passenger seat



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

## 3.2 Mounting the passenger seat



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



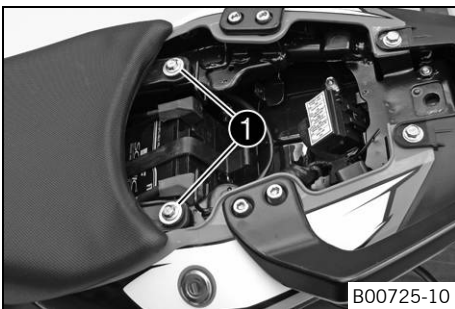
### Warning

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

- After mounting the passenger seat, check that it is locked correctly by pulling up.

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

## 3.3 Removing the seat



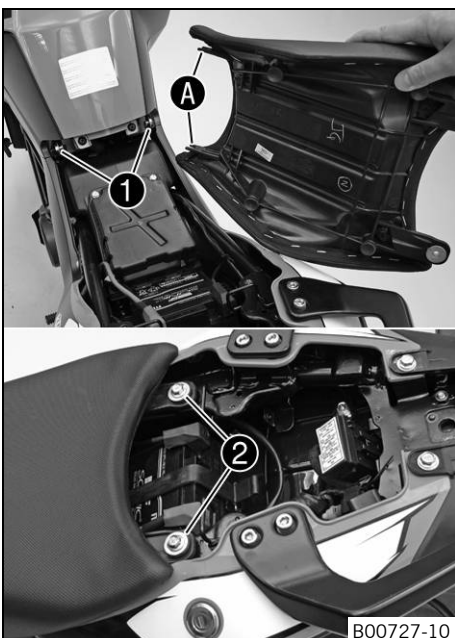
### Preparatory work

- Remove the passenger seat. (🗨️ p. 5)

### Main work

- Remove screws **1**.
- Raise the rear of the seat, pull it towards the rear, and remove it upwards.

## 3.4 Mounting the seat



### Main work

- Attach seat recesses **A** at screws **1** and lower at the rear.
- Mount and tighten screws **2**.

### Guideline

|             |    |                    |
|-------------|----|--------------------|
| Screw, seat | M6 | 10 Nm (7.4 lbf ft) |
|-------------|----|--------------------|

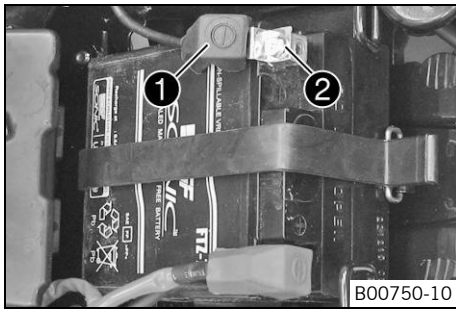
**Finishing work**

- Mount the passenger seat. (📖 p. 5)

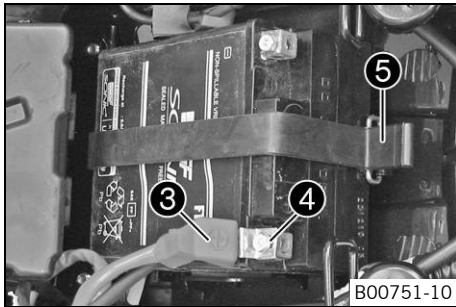
**3.5 Removing the battery****Warning**

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

- Keep batteries out of the reach of children.
- Wear suitable protective clothing and goggles.
- Avoid contact with battery acid and battery gases.
- Keep sparks and open flames away from the battery. Only charge 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 physician.



B00750-10



B00751-10

**Preparatory work**

- Remove the passenger seat. (📖 p. 5)
- Remove the seat. (📖 p. 5)

**Main work**

- Pull back the negative terminal cover ①.
- Disconnect negative cable ② from the battery.

- Pull back the positive terminal cover ③.
- Disconnect positive cable ④ from the battery.
- Detach rubber band ⑤.
- Pull the battery up and out of the battery holder.

**Info**

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

**3.6 Recharging the battery****Warning**

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

- Keep batteries out of the reach of children.
- Wear suitable protective clothing and goggles.
- Avoid contact with battery acid and battery gases.
- Keep sparks and open flames away from the battery. Only charge 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 physician.

**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**

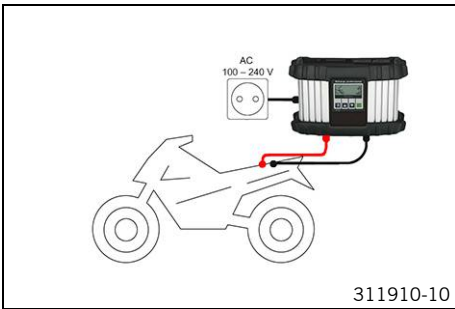
**Environmental hazard** Hazardous substances cause environmental damage.

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



**i 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, i.e., the acid level does not have to be checked.



**Preparatory work**

- Remove the passenger seat. (📖 p. 5)
- Remove the seat. (📖 p. 5)
- Disconnect the negative cable of the battery.

**Main work**

- 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)

**i Info**

Follow the instructions of the charger and the manual.

- Disconnect the battery charger after charging the battery.

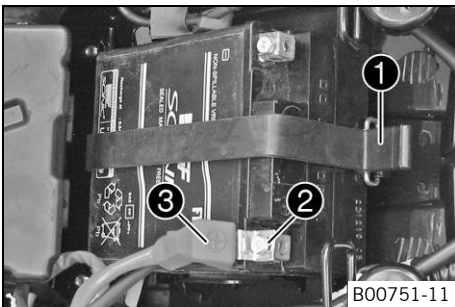
**Guideline**

|   |          |
|---|----------|
| 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 |

**Finishing work**

- Mount the seat. (📖 p. 5)
- Mount the passenger seat. (📖 p. 5)
- Set the clock. (📖 p. 10)

## 3.7 Installing the battery



**Main work**

- Position the battery in the battery holder.

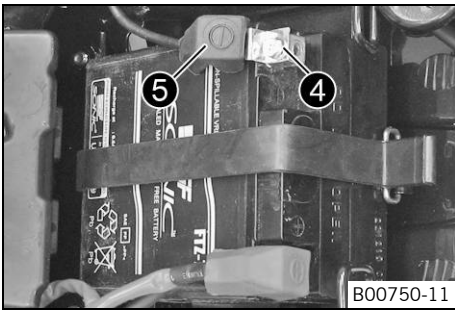
**Guideline**

The terminals of the battery must face upwards.

**(125 Duke)**  
 Battery (FTZ-7)

**(200 Duke)**  
 Battery (FTZ-9)

- Reconnect rubber band **1**.
- Position the positive cable **2** and mount and tighten the screw.
- Position positive terminal cover **3**.



- Position the negative cable ④ and mount and tighten the screw.
- Position the negative terminal cover ⑤.

**Finishing work**

- Mount the seat. (📖 p. 5)
- Mount the passenger seat. (📖 p. 5)
- Set the clock. (📖 p. 10)

## 3.8 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.

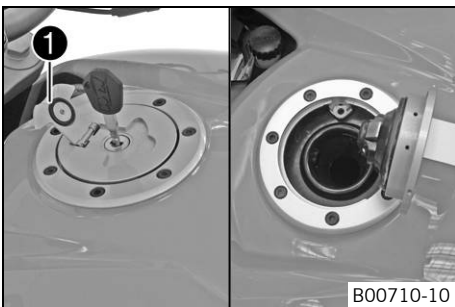
- Avoid skin, eye and clothing contact with fuel.
- Immediately consult a doctor if you swallow fuel.
- Do not inhale fuel vapors.
- In case of skin contact, rinse the affected area with plenty of water.
- Rinse the eyes thoroughly with water, and consult a doctor in case of fuel contact with the eyes.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



- Lift the cover ① of the filler cap and insert the ignition key in the lock.

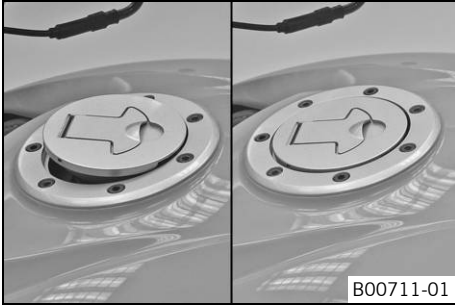
**Note**

**Danger of damage** Ignition key breakage.

- To take pressure off of the ignition key, push down on the filler cap. Damaged ignition keys must be replaced.

- Turn the ignition key 90° clockwise.
- Open the filler cap.
- Remove the ignition key.

## 3.9 Closing the filler cap



### Warning

**Fire hazard** Fuel is highly flammable, poisonous and harmful to your health.

- After closing the filler cap, ensure that it is locked properly. Change clothing that has been contaminated with fuel. Immediately clean contaminated areas on the skin with soap and water.

- Close the filler cap.
- Push down the filler cap until the lock engages.

## 3.10 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.

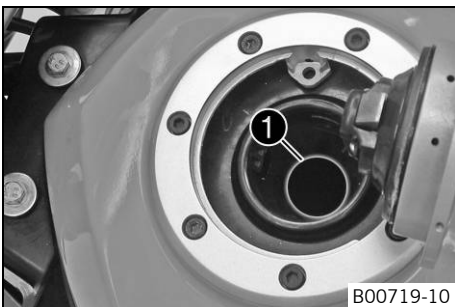
- Refuel only with clean fuel that meets the specified standards.



### 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.

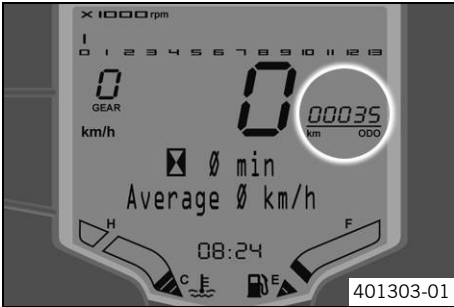


- Switch off the engine.
- Open the filler cap. (📖 p. 8)
- Fill the fuel tank with fuel up to the lower edge ① of the fuel filler.

|                                   |                   |  |
|-----------------------------------|-------------------|--|
| Total fuel tank capacity, approx. | 11 l (2.9 US gal) | Super unleaded (ROZ 95/RON 95/PON 91) (📖 p. 14) (125 Duke, 200 Duke EU/AR/ASIA/CN/CO/MY) |
|                                   |                   | Gasohol 95 E20 (RON 95) (📖 p. 14) (200 Duke TH)  |
|                                   |                   | Super unleaded, type C (ROZ 95/RON 95/PON 91) (📖 p. 14) (200 Duke 2017 BR)               |

- Close the filler cap. (📖 p. 9)

## 3.11 Setting the time



### Condition

The ignition is on.  
The motorcycle is stationary.

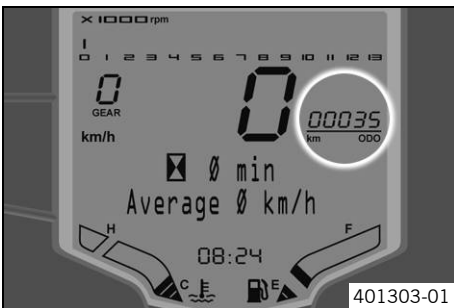
- Press the **MODE** button briefly and repeatedly until **ODO** appears on the display.
- Press the **MODE** and **SET** buttons for 5 - 10 seconds.
  - ✓ The time display begins to flash.
- Set the hours display using the **MODE** button.
- Set the minutes display using the **SET** button.
- Press the **MODE** and **SET** buttons for 5 - 10 seconds.
  - ✓ The time is set.

## 3.12 Setting kilometers or miles



### Info

Make the country-specific setting.



### Condition

The ignition is on.  
The motorcycle is stationary.

- Press the **MODE** button briefly and repeatedly until **ODO** appears on the display.
- Press the **MODE** button for 5 - 10 seconds.
  - ✓ The display changes from **km/h** to **mph** or from **mph** to **km/h**.

## 4.1 Chassis tightening torques

|  |                 |                    |                      |
|--|-----------------|--------------------|----------------------|
| Exhaust clamp                              | -               | 19 Nm (14 lbf ft)  | -                    |
| Helmet holder screw                        | <b>EJOT PT®</b> | 3 Nm (2.2 lbf ft)  | -                    |
| Screw, chain guard                         | <b>EJOT PT®</b> | 4 Nm (3 lbf ft)    | -                    |
| Screw, headlight                           | <b>EJOT PT®</b> | 4 Nm (3 lbf ft)    | -                    |
| Remaining screws, chassis                  | M4              | 4 Nm (3 lbf ft)    | -                    |
| Screw, EFI control unit                    | M4              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, license plate lamp                  | M4              | 2 Nm (1.5 lbf ft)  | -                    |
| Screw, trim, subframe, bottom              | M4              | 5 Nm (3.7 lbf ft)  | -                    |
| Remaining nuts, chassis                    | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Remaining screws, chassis                  | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, ABS hose clamp (125 Duke)           | M5              | 6 Nm (4.4 lbf ft)  | -                    |
| Screw, brake line holder, rear             | M5              | 7 Nm (5.2 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, chain guard                         | M5              | 4 Nm (3 lbf ft)    | <b>Loctite® 243™</b> |
| Screw, fuel pump                           | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, fuel tank closure flange            | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, fuel tank cover                     | M5              | 4 Nm (3 lbf ft)    | -                    |
| Screw, fuel tank trim                      | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, license plate holder                | M5              | 11 Nm (8.1 lbf ft) | -                    |
| Screw, rollover sensor                     | M5              | 6 Nm (4.4 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, side stand switch                   | M5              | 5 Nm (3.7 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, spoiler                             | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, subframe cover, bottom              | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, tail end lower part                 | M5              | 6 Nm (4.4 lbf ft)  | -                    |
| Screw, tail light                          | M5              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, windshield                          | M5              | 3 Nm (2.2 lbf ft)  | -                    |
| Clutch cable retaining bracket screw       | M6              | 6 Nm (4.4 lbf ft)  | -                    |
| Damping rubber frame screw                 | M6              | 7 Nm (5.2 lbf ft)  | -                    |
| Nut, foot brake lever adjustment           | M6              | 9 Nm (6.6 lbf ft)  | -                    |
| Nut, radiator                              | M6              | 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, ABS module (125 Duke)               | M6              | 7 Nm (5.2 lbf ft)  | -                    |
| Screw, air filter box                      | M6              | 6 Nm (4.4 lbf ft)  | -                    |
| Screw, air filter box lid                  | M6              | 3 Nm (2.2 lbf ft)  | -                    |
| Screw, brake fluid reservoir of rear brake | M6              | 9 Nm (6.6 lbf ft)  | -                    |
| Screw, cable holder, side stand switch     | M6              | 9 Nm (6.6 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, chain sliding guard                 | M6              | 9 Nm (6.6 lbf ft)  | -                    |
| Screw, compensating tank                   | M6              | 13 Nm (9.6 lbf ft) | -                    |
| Screw, foot brake cylinder                 | M6              | 9 Nm (6.6 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, front fender                        | M6              | 11 Nm (8.1 lbf ft) | -                    |
| Screw, front seat fixing                   | M6              | 6 Nm (4.4 lbf ft)  | -                    |
| Screw, front spoiler                       | M6              | 9 Nm (6.6 lbf ft)  | -                    |
| Screw, fuel tank                           | M6              | 13 Nm (9.6 lbf ft) | -                    |
| Screw, headlight holder                    | M6              | 11 Nm (8.1 lbf ft) | -                    |
| Screw, headlight mask                      | M6              | 11 Nm (8.1 lbf ft) | <b>Loctite® 243™</b> |
| Screw, ignition coil                       | M6              | 9 Nm (6.6 lbf ft)  | -                    |
| Screw, license plate holder                | M6              | 12 Nm (8.9 lbf ft) | <b>Loctite® 243™</b> |
| Screw, lower rear panel                    | M6              | 5 Nm (3.7 lbf ft)  | -                    |
| Screw, magnetic holder on side stand       | M6              | 5 Nm (3.7 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, main silencer                       | M6              | 10 Nm (7.4 lbf ft) | -                    |

|   |            |                      |                      |
|---|------------|----------------------|----------------------|
| Screw, radiator bracket                       | M6         | 6 Nm (4.4 lbf ft)    | –                    |
| Screw, radiator holder                        | M6         | 9 Nm (6.6 lbf ft)    | –                    |
| Screw, rear ABS sensor wheel (125 Duke)       | M6         | 8 Nm (5.9 lbf ft)    | <b>Loctite® 243™</b> |
| Screw, rear splash protector                  | M6         | 9 Nm (6.6 lbf ft)    | –                    |
| Screw, rollover sensor holder                 | M6         | 11 Nm (8.1 lbf ft)   | –                    |
| Screw, seat                                   | M6         | 10 Nm (7.4 lbf ft)   | –                    |
| Screw, shift lever linkage                    | M6         | 11 Nm (8.1 lbf ft)   | <b>Loctite® 243™</b> |
| Screw, tail end lower part, front             | M6         | 11 Nm (8.1 lbf ft)   | –                    |
| Screw, voltage regulator                      | M6         | 10 Nm (7.4 lbf ft)   | –                    |
| Screw, voltage regulator holder               | M6         | 11 Nm (8.1 lbf ft)   | –                    |
| Screw, wheel speed sensor holder (125 Duke)   | M6         | 8 Nm (5.9 lbf ft)    | –                    |
| Silent block retaining bracket screw          | M6         | 7 Nm (5.2 lbf ft)    | –                    |
| Nut, rear sprocket                            | M8         | 27 Nm (19.9 lbf ft)  | <b>Loctite® 243™</b> |
| 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 (11.1 lbf ft)  | –                    |
| Screw, engine bearer on engine                | M8         | 25 Nm (18.4 lbf ft)  | –                    |
| Screw, engine bearer on frame                 | M8         | 26 Nm (19.2 lbf ft)  | –                    |
| Screw, foot brake lever                       | M8         | 16 Nm (11.8 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, fork stub                              | M8         | 15 Nm (11.1 lbf ft)  | –                    |
| Screw, front brake disc                       | M8         | 30 Nm (22.1 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, front wheel spindle                    | M8         | 26 Nm (19.2 lbf ft)  | –                    |
| Screw, handlebar clamp                        | M8         | 21 Nm (15.5 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, handrail                               | M8         | 32 Nm (23.6 lbf ft)  | –                    |
| Screw, horn                                   | M8         | 7 Nm (5.2 lbf ft)    | –                    |
| Screw, main silencer                          | M8         | 24 Nm (17.7 lbf ft)  | –                    |
| Screw, passenger footrest bracket             | M8         | 26 Nm (19.2 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, rear brake disc                        | M8         | 30 Nm (22.1 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, shift lever                            | M8         | 16 Nm (11.8 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, top triple clamp                       | M8         | 11 Nm (8.1 lbf ft)   | –                    |
| Screw, front brake caliper                    | M8x1       | 30 Nm (22.1 lbf ft)  | <b>Loctite® 204™</b> |
| Banjo bolt, brake line                        | M10        | 24 Nm (17.7 lbf ft)  | –                    |
| Fitting side stand                            | M10        | 35 Nm (25.8 lbf ft)  | <b>Loctite® 243™</b> |
| Fitting, engine mounting bracket              | M10        | 45 Nm (33.2 lbf ft)  | –                    |
| Nut mirror image left                         | M10        | 16 Nm (11.8 lbf ft)  | –                    |
| Remaining nuts, chassis                       | M10        | 45 Nm (33.2 lbf ft)  | –                    |
| Remaining screws, chassis                     | M10        | 45 Nm (33.2 lbf ft)  | –                    |
| Fitting, bottom shock absorber                | M10x1.25   | 45 Nm (33.2 lbf ft)  | –                    |
| Fitting, handlebar support                    | M10x1.25   | 21 Nm (15.5 lbf ft)  | –                    |
| Nut, mirror, right                            | M10LHx1.25 | 16 Nm (11.8 lbf ft)  | –                    |
| Nut, turn signal                              | M10x1.25   | 6 Nm (4.4 lbf ft)    | –                    |
| Screw, front footrest bracket                 | M10x1.25   | 47 Nm (34.7 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, front footrest bracket / engine bearer | M10x1.25   | 47 Nm (34.7 lbf ft)  | –                    |
| Screw, side stand bracket                     | M10x1.25   | 25 Nm (18.4 lbf ft)  | <b>Loctite® 243™</b> |
| Screw, top shock absorber                     | M10x1.25   | 51 Nm (37.6 lbf ft)  | <b>Loctite® 243™</b> |
| Stud, rear sprocket                           | M10x1.25   | 50 Nm (36.9 lbf ft)  | –                    |
| Nut, rear wheel spindle                       | M14x1.5    | 90 Nm (66.4 lbf ft)  | –                    |
| Nut, swingarm pivot                           | M14x1.5    | 100 Nm (73.8 lbf ft) | –                    |
| Screw, top steering head                      | M16x1.5    | 53 Nm (39.1 lbf ft)  | <b>Loctite® 243™</b> |
| Lambda sensor                                 | M18x1.5    | 19 Nm (14 lbf ft)    | –                    |

|                                 |       |  |   |
|---------------------------------|-------|--|---|
| Swingarm bearing adjusting ring | M22x1 | Tighten and ensure that there is no play   | – |
| Nut, steering head              | M30x1 | Step 1<br>55 Nm (40.6 lbf ft)<br>2nd stage (loosen, counter-clockwise)<br>2 turns<br>Step 3<br>5 Nm (3.7 lbf ft) | – |

## Gasohol 95 E20 (RON 95)

### Standard/classification

- Gasohol 95 E20 (RON 95)

### Guideline

- Only use super unleaded fuel that matches or is equivalent to the specifications.
- Super unleaded fuel with an ethanol content of 19 to 20% is permissible.



### Info

- Do **not** use fuel made of methanol (e. g. M15, M85, M100).
- Do **not** use fuel with less than 19% ethanol (e. g. E10).
- Do **not** use fuel with more than 20% ethanol (e. g. E30, E85, E100).

## 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, type C (ROZ 95/RON 95/PON 91)

### Standard/classification

- Beschluss Nr. 57 der ANP (Agência Nacional do Petróleo) (ROZ 95/RON 95/PON 91)

### Guideline

- Only use super unleaded fuel that matches or is equivalent to the following specifications.
- Super unleaded fuel with an ethanol content of 19 to 27 % is permissible.



### Info

- Do **not** use fuel made of methanol (e. g. M15, M85, M100).
- Do **not** use fuel with less than 19 % ethanol (e. g. E10).
- Do **not** use fuel with more than 27 % ethanol (e. g. E30, E85, E100).



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