



1290 Super Adventure EU
1290 Super Adventure FR
1290 Super Adventure AU
1290 Super Adventure JP
1290 Super Adventure CN
1290 Super Adventure US

Art. no. 3213315en

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 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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REG.NO. 12 100 6061

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5230 Mattighofen, Austria

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.

2.1 Unpacking and setting up the vehicle



S00694-10

- Remove straps and box.



S00695-10

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



S00696-10

- Roll down the film at the sides.

i Info

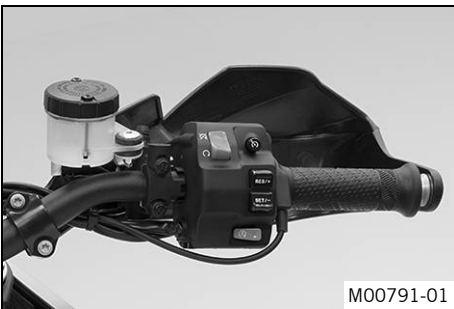
To avoid damaging the motorcycle during unpacking, leave the other films on the vehicle until you have finished work on the vehicle.

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



S00697-10

- Remove the controls from the transport holder.
- Remove the screws and handlebar clamps.
- Remove the transport holder.



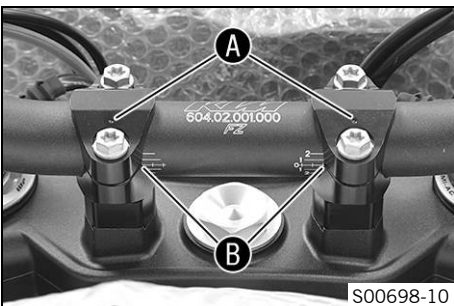
M00791-01

- Remove the right hand guard.
- Position the controls on the right half of the handlebar. Tighten the screws.

Guideline

Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)
Remaining chassis screws	M6	10 Nm (7.4 lbf ft)

- Mount the right hand guard.



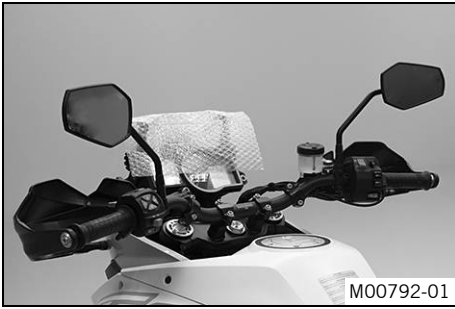
S00698-10

- Position the handlebar.
- Position the handlebar clamps. Tighten the screws evenly.

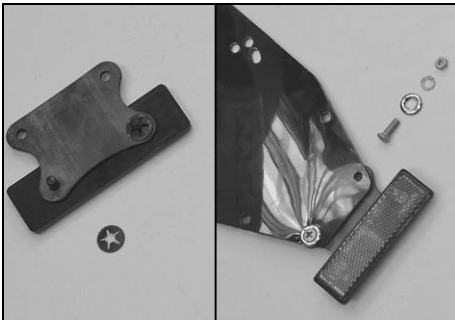
Guideline

Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)
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- ✓ The markings **A** of the handlebar scale are located centrally between the handlebar clamps.
- ✓ Markings **B** face backwards.



- Check the throttle grip for smooth operation.
- Mount and tighten the rear mirror on both sides.



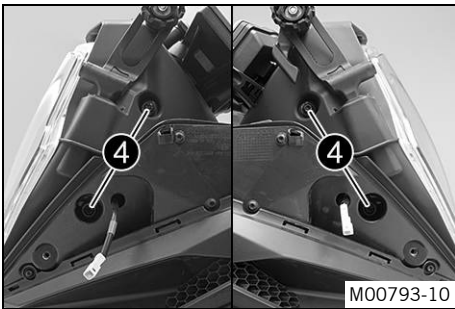
- Mount reflector **1** with spring washers **2** on holding plate **3**.
- Mount the holding plate on the license plate bracket.
- Mount the license plate holder.
- Carefully loosen and remove the tension belt over the swingarm.

Guideline

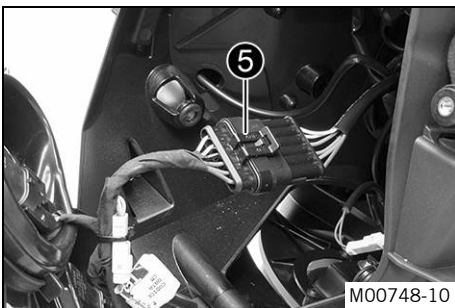
An assistant prevents the motorcycle from falling over.



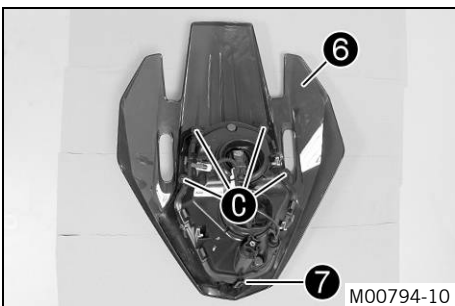
- Carefully loosen and remove the tension belts around the lower triple clamp.
 - ✓ The vehicle is released at the front.
- Together with an assistant, take the vehicle off the palette.
- Remove the front side cover. (☛ p. 7)
- Remove the tank cover. (☛ p. 9)
- Remove the mask spoiler. (☛ p. 11)



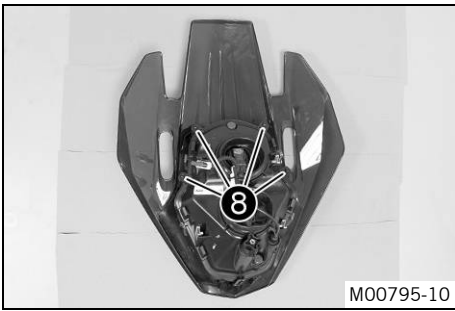
- Remove screws **4**.



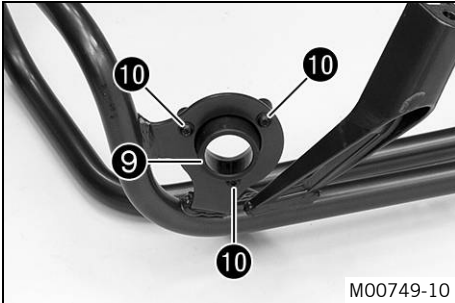
- Swing the headlight toward the front.
- Disconnect plug-in connector **5**.
- Put down the headlight on a soft cloth.



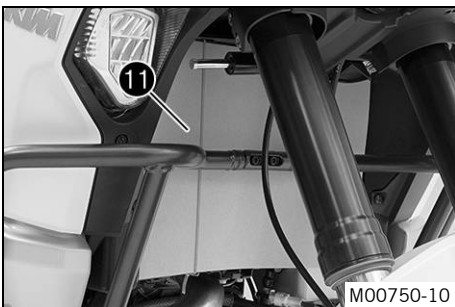
- Position the headlight mask **6**.
 - ✓ The screw connection points **C** are correctly aligned to the headlight.
 - ✓ The holder **7** locks onto the headlight.



- Mount and tighten screws 8.
- Refit the headlight mask with the headlight. (☛ p. 14)
- Install the mask spoiler. (☛ p. 12)
- Install the tank cover. (☛ p. 10)
- Install the front side cover. (☛ p. 8)

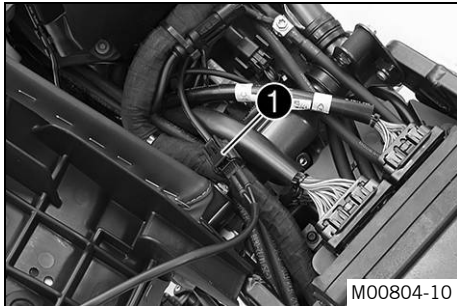
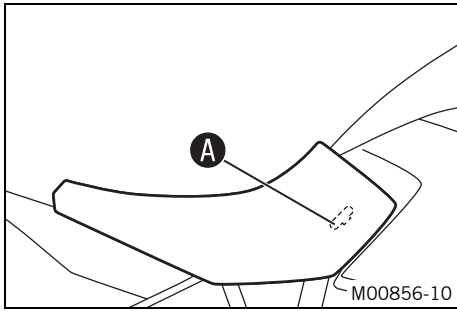


- Position the fuel tank support ring 9 on the left and right crash bars.
- Mount and tighten the screws 10 on the left and right crash bars.
- Install the crash bar. (☛ p. 15)
- Install the wind shield. (☛ p. 15)



- Remove the radiator shield 11.
- Recharge the battery. (☛ p. 16)
- Store the tool set below the seat.
- Remove the remaining films.
- Mount the front rider's seat. (☛ p. 6)
- Mount the passenger seat. (☛ p. 7)
- Refuel. (☛ p. 18)
- Print out the current **PDI** form found on the **KTM Dealer.net** and perform the pre-delivery inspection.

3.1 Removing the front rider's seat



Preparatory work

- Remove the passenger seat. (☛ p. 6)

Main work

- Lift the rider's seat back and unhook in the **A** area.

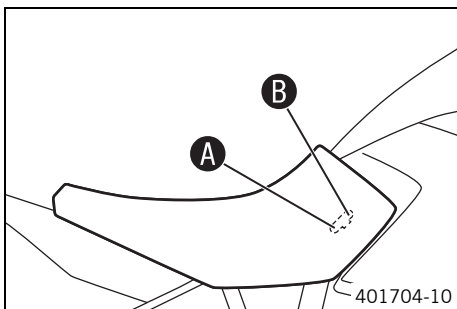
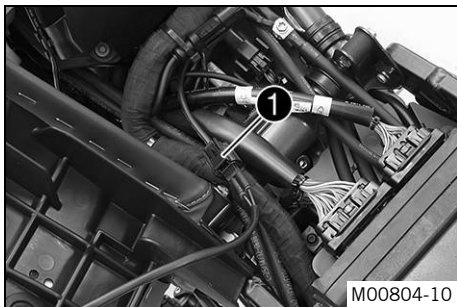


Info

Pay attention to the seat heating cable.

- Disconnect plug-in connector **1**.

3.2 Mounting the front rider's seat



Main work

- Connect plug-in connector **1**.

- Attach the recesses on the driver's seat to the fuel tank at the desired seat position **A** or **B**, and push the driver's seat forward while lowering it at the rear.



Info

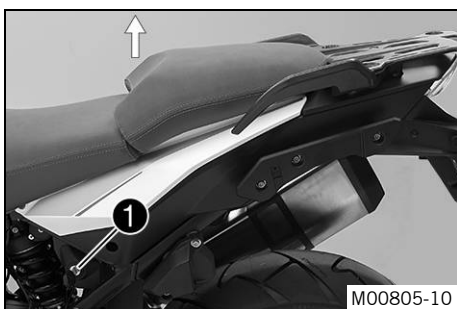
Ensure that the seat heating cable is correctly routed.

- Finally, check that the driver's seat is correctly mounted.

Finishing work

- Mount the passenger seat. (☛ p. 7)

3.3 Removing the passenger seat

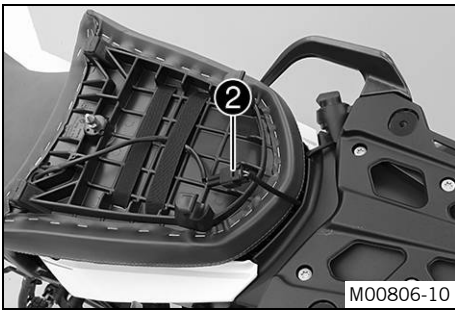


- Insert the ignition key in seat lock **1** and turn it clockwise.
- Raise front of the passenger seat, pull toward the tank, and remove upward.



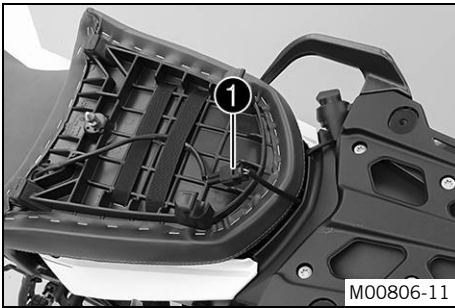
Info

Pay attention to the seat heating cable.

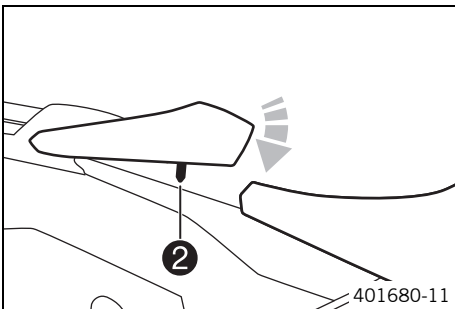


- Disconnect plug-in connector ②.
- Remove the ignition key.

3.4 Mounting the passenger seat



- Connect plug-in connector ①.



- Attach the hooks on the passenger seat to the hanger on the subframe.



Info

Ensure that the seat heating cable is correctly routed.

- Lower passenger seat and push back at the same time.
- Position locking pin ② in lock housing and press passenger seat forward until the locking pin engages with an audible click.
- Check that the passenger seat is correctly mounted.

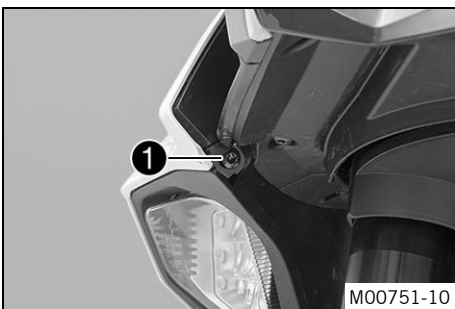
3.5 Removing the front side cover

Preparatory work

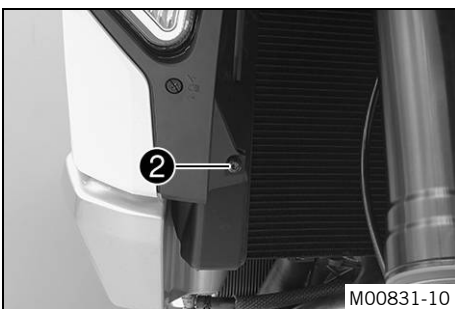
- Remove the crash bar. (☛ p. 15)

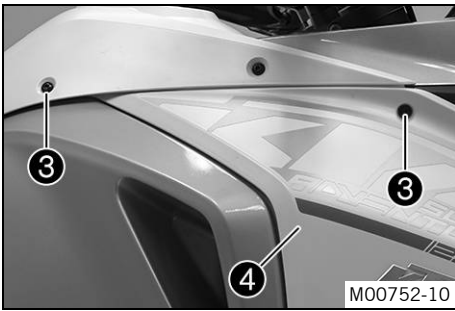
Main work

- Remove screw ①.



- Remove screw ②.



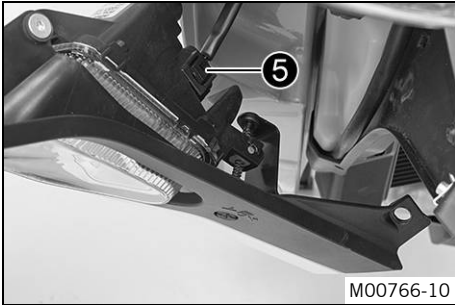


- Remove screws 3.
- Remove side cover 4.



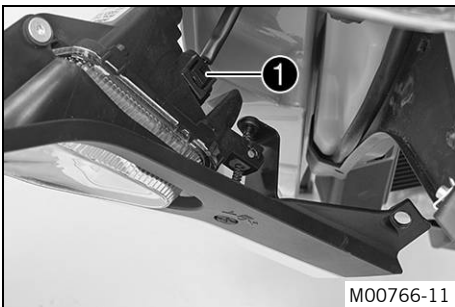
Info

Pay attention to the cornering light cable.



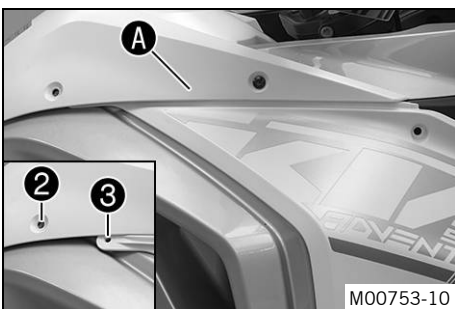
- Unplug connector 5.
- Repeat the operation on the opposite side.

3.6 Installing the front side cover

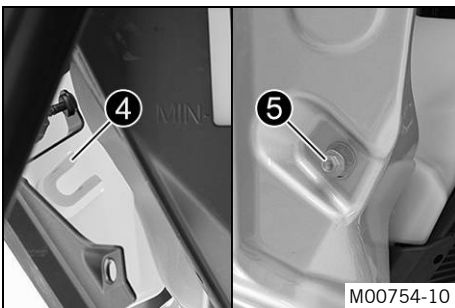


Main work

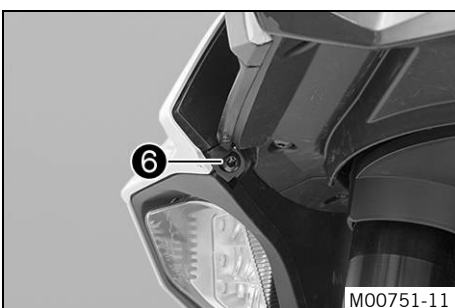
- Plug in connector 1.



- Position the side cover in the A area under the tank cover.
 ✓ The holes 2 and 3 are adjacent to each other.



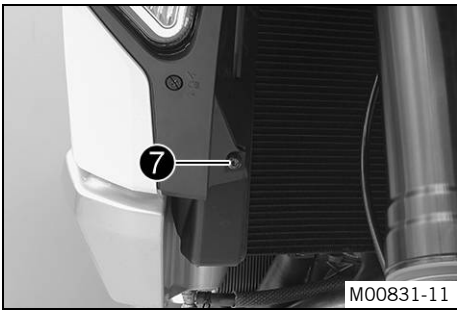
- Attach catch 4 of the side cover to bracket 5 and position on the fuel tank.



- Mount and tighten screw 6.

Guideline

Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
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M00831-11

- Mount and tighten screw 7.

Guideline

Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
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M00752-11

- Mount and tighten screws 8.

Guideline

Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
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- Repeat the operation on the opposite side.

Finishing work

- Install the crash bar. (☛ p. 15)

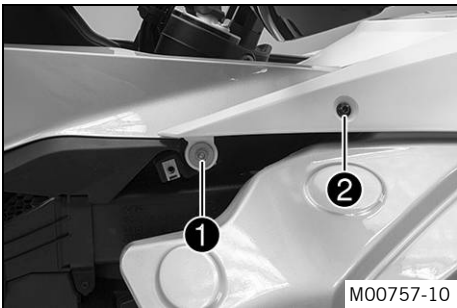
3.7 Removing the tank cover

Preparatory work

- Remove the passenger seat. (☛ p. 6)
- Remove the front rider's seat. (☛ p. 6)
- Remove the crash bar. (☛ p. 15)
- Remove the front side cover. (☛ p. 7)

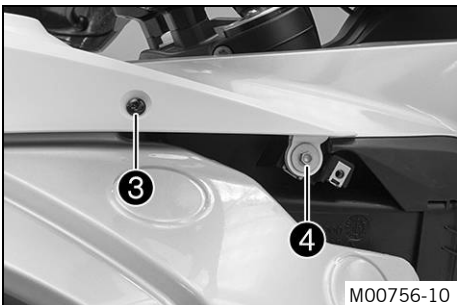
Main work

- Remove screw 1.
- Remove screw 2.



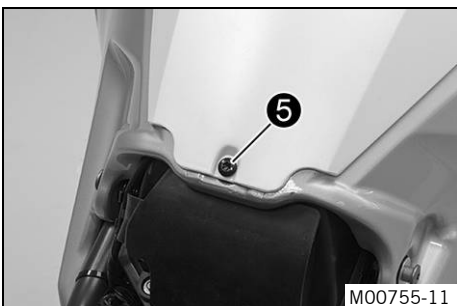
M00757-10

- Remove screw 3.
- Remove screw 4.



M00756-10

- Remove screw 5.

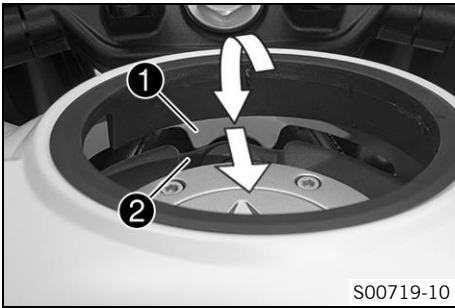


M00755-11



- Raise the tank cover at the rear and remove it in a forward direction.

3.8 Installing the tank cover

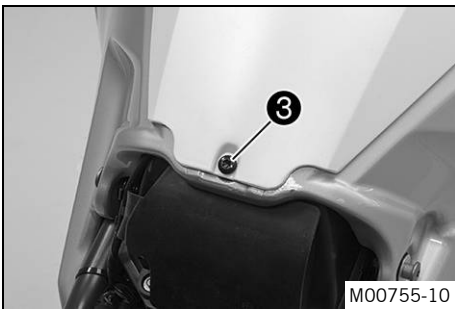


Main work

- Position the tank cover.
- ✓ Catch ① engages under the tank ②.



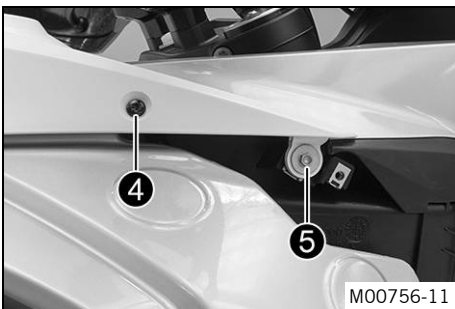
Info
Pay attention to the sealing lip and the bleeder hose.



- Mount and tighten screw ③.

Guideline

Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
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- Mount and tighten screw ④.

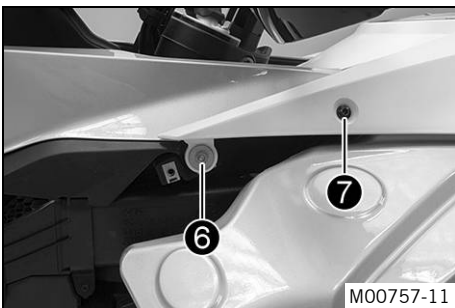
Guideline

Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
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- Mount and tighten screw ⑤.

Guideline

Screw, cover part	M6	6 Nm (4.4 lbf ft)
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- Mount and tighten screw ⑥.

Guideline

Screw, cover part	M6	6 Nm (4.4 lbf ft)
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- Mount and tighten screw ⑦.

Guideline

Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
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Finishing work

- Install the front side cover. (☛ p. 8)
- Install the crash bar. (☛ p. 15)
- Mount the front rider's seat. (☛ p. 6)
- Mount the passenger seat. (☛ p. 7)

3.9 Removing the mask spoiler

Preparatory work

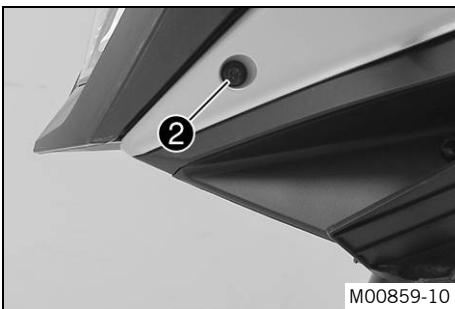
- Remove the passenger seat. (☛ p. 6)
- Remove the front rider's seat. (☛ p. 6)
- Remove the crash bar. (☛ p. 15)
- Remove the front side cover. (☛ p. 7)
- Remove the tank cover. (☛ p. 9)

Main work

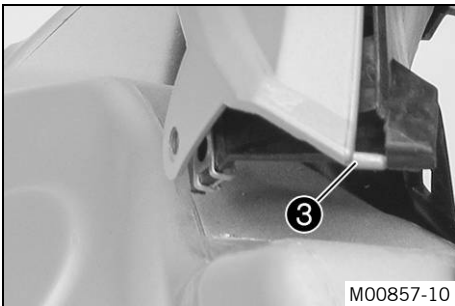
- Remove screw ❶.



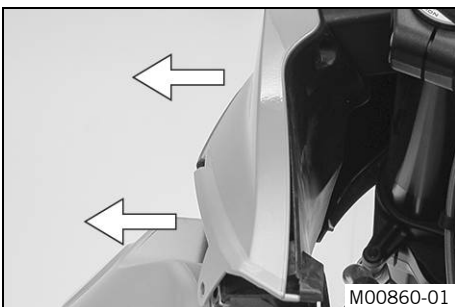
- Remove screw ❷.



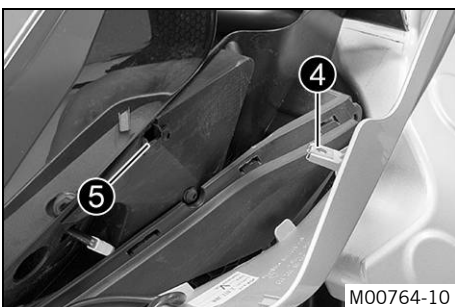
- Loosen holding lug ❸ from the inside cover.



- Remove the mask spoiler laterally from the supports.

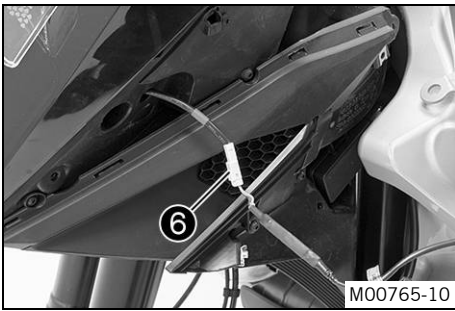


- Remove catch ❹ upward from the bracket ❺.



Info

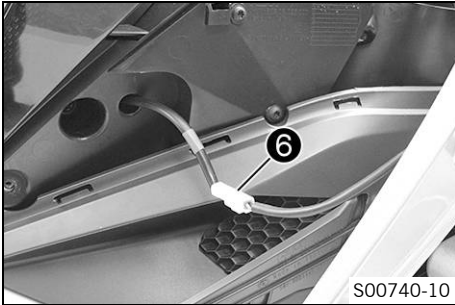
Pay attention to the turn signal cable.



M00765-10

(1290 Super Adventure EU, 1290 Super Adventure FR, 1290 Super Adventure AU, 1290 Super Adventure JP)

- Disconnect plug-in connector ⑥.
- Remove the mask spoiler with the turn signal.
- Repeat these steps on the opposite side.

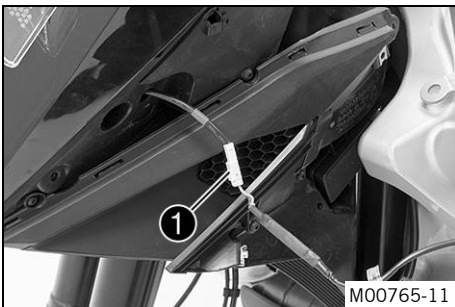


S00740-10

(1290 Super Adventure CN, 1290 Super Adventure US)

- Disconnect plug-in connector ⑥.
- Remove the mask spoiler with the turn signal.
- Repeat these steps on the opposite side.

3.10 Installing the mask spoiler

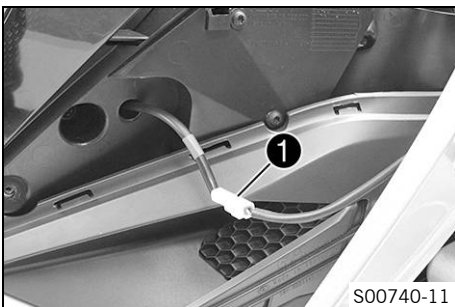


M00765-11

Main work

(1290 Super Adventure EU, 1290 Super Adventure FR, 1290 Super Adventure AU, 1290 Super Adventure JP)

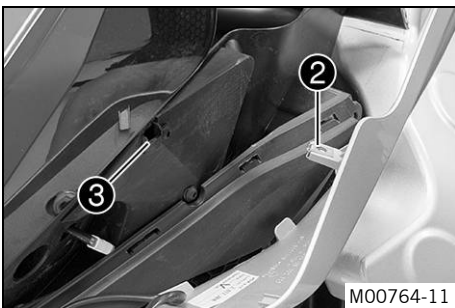
- Connect plug-in connector ①.



S00740-11

(1290 Super Adventure CN, 1290 Super Adventure US)

- Connect plug-in connector ①.



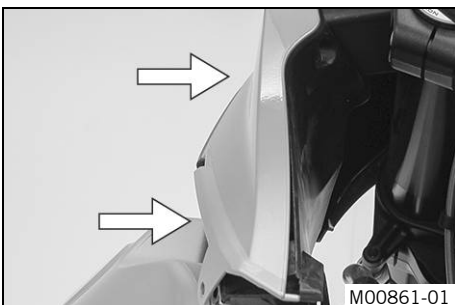
M00764-11

- Position the catch ② in the bracket ③.



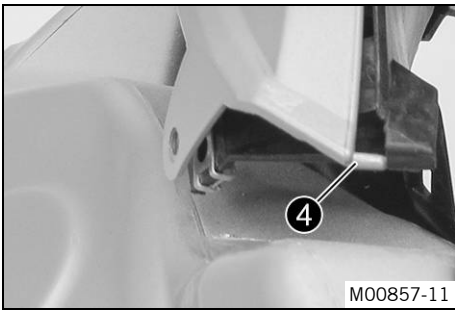
Info

Ensure that the turn signal cable is placed correctly.

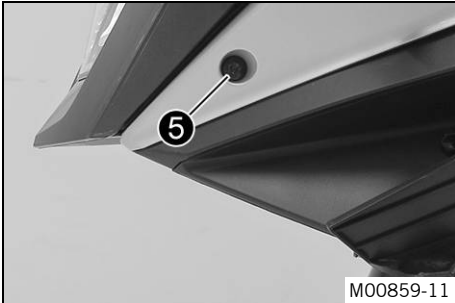


M00861-01

- Press the mask spoiler laterally into the supports.



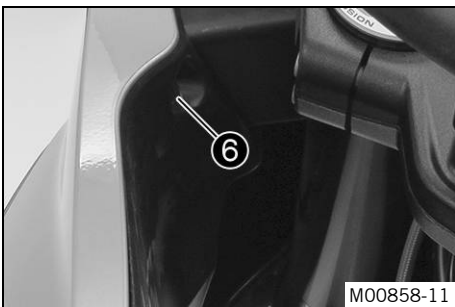
- Position holding lug **4** in the drill hole.



- Mount and tighten screw **5**.

Guideline

Screw, mask spoiler	M5x17	3.5 Nm (2.58 lbf ft)
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- Mount and tighten screw **6**.

Guideline

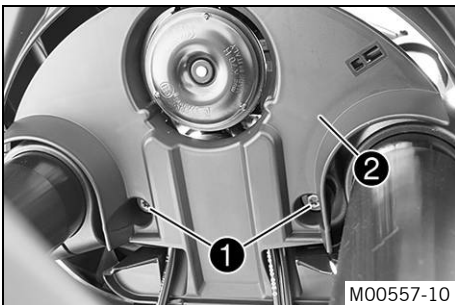
Screw, mask spoiler	M5x17	3.5 Nm (2.58 lbf ft)
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- Repeat the operation on the opposite side.

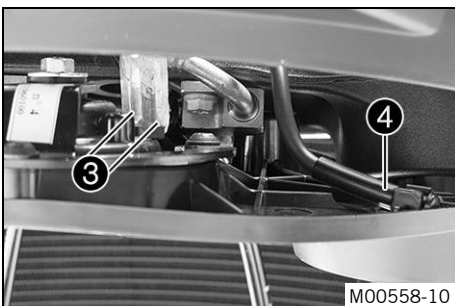
Finishing work

- Install the tank cover. (☛ p. 10)
- Install the front side cover. (☛ p. 8)
- Install the crash bar. (☛ p. 15)
- Mount the front rider's seat. (☛ p. 6)
- Mount the passenger seat. (☛ p. 7)

3.11 Removing the bottom triple clamp cover

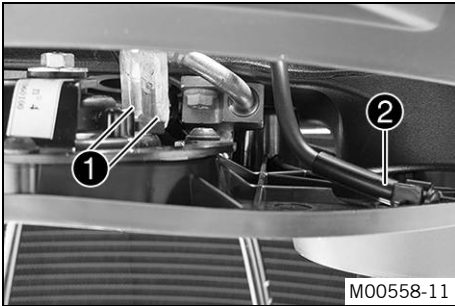


- Remove screws **1**.
- Lower the triple clamp cover **2** slightly.

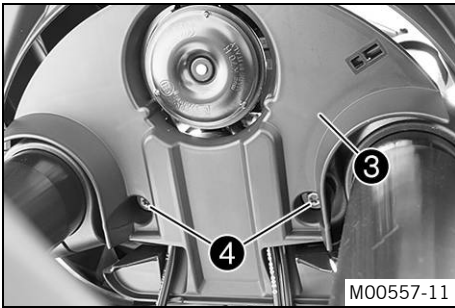


- Disconnect the connector **3** of the horn.
- Detach temperature sensor **4**.
- Remove the triple clamp cover.

3.12 Installing the bottom triple clamp cover



- Connect the connector ① of the horn.
- Attach temperature sensor ②.

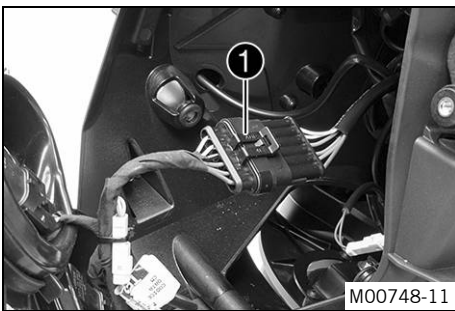


- Position the triple clamp cover ③.
- Mount and tighten screws ④.

Guideline

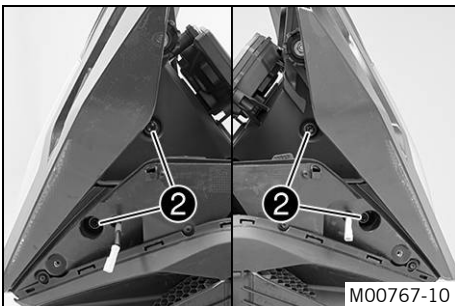
Remaining chassis screws	M6	10 Nm (7.4 lbf ft)
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3.13 Refitting the headlight mask with the headlight



Main work

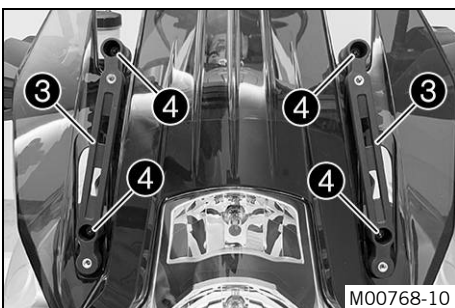
- Connect plug-in connector ① of the headlight.
- Check that the lighting is functioning properly.
- Position the headlight mask.



- Mount and tighten screws ②.

Guideline

Remaining chassis screws	M6	10 Nm (7.4 lbf ft)
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- Position the windshield adapter ③.
- Mount and tighten screws ④.

Guideline

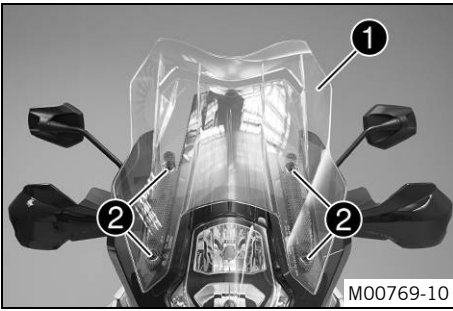
Screw, cover part	M5	3.5 Nm (2.58 lbf ft)
-------------------	----	-------------------------

Finishing work

- Install the mask spoiler. (☛ p. 12)
- Install the tank cover. (☛ p. 10)
- Install the front side cover. (☛ p. 8)
- Install the crash bar. (☛ p. 15)
- Mount the front rider's seat. (☛ p. 6)
- Mount the passenger seat. (☛ p. 7)
- Install the wind shield. (☛ p. 15)

- Check the setting of the lighting system. (☛ p. 19)

3.14 Installing the wind shield



- Position wind shield ①.
- Mount and tighten screws ②.

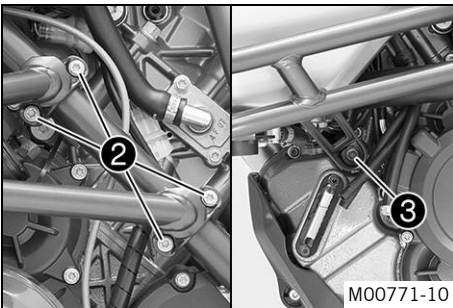
Guideline

Screw, wind shield	M5	3.5 Nm (2.58 lbf ft)
--------------------	----	-------------------------

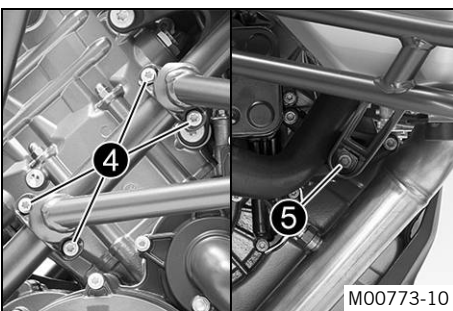
3.15 Removing the crash bar



- Remove screw connections ①.

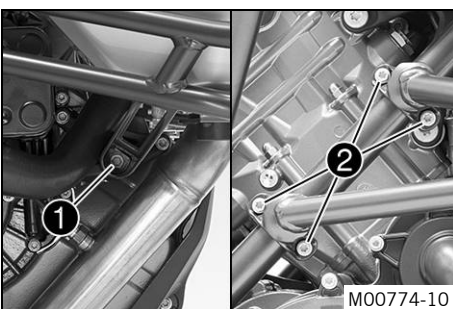


- Remove screws ② and take off the clamp halves.
- Remove screw ③.
- Take off the left crash bar.



- Remove screws ④ and take off the clamp halves.
- Remove screw ⑤.
- Take off the right crash bar.

3.16 Installing the crash bar



- Position the right crash bar with the frame protector.
- ✓ The fuel tank support ring should be correctly positioned on the fuel tank.

i Info
Cover the components to protect them against damage.

- Mount screw ①, but do not tighten yet.

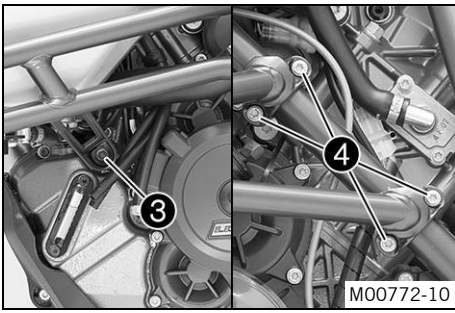
Guideline

Remaining chassis screws	M8	25 Nm (18.4 lbf ft)
--------------------------	----	------------------------

- Mount screws ②, but do not tighten yet.

Guideline

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



- Position the left crash bar with the frame protector.
- ✓ The fuel tank support ring should be correctly positioned on the fuel tank.

i Info
Cover the components to protect them against damage.

- Mount screw **3**, but do not tighten yet.

Guideline

Remaining chassis screws	M8	25 Nm (18.4 lbf ft)
--------------------------	----	------------------------

- Mount screws **4**, but do not tighten yet.

Guideline

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

- Mount and tighten fittings **5**.

Guideline

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

- ✓ The crash bars are evenly aligned with each other.

- Tighten all the screws of the crash bar.

Guideline

Remaining chassis screws	M6	10 Nm (7.4 lbf ft)
Remaining chassis screws	M8	25 Nm (18.4 lbf ft)



3.17 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 The battery contains elements that are harmful to the environment.

- Do not dispose of batteries with the household waste. Dispose of a defective battery in an environmentally friendly manner. Give the battery to your authorized KTM dealer or dispose of it at a collection point for used batteries.

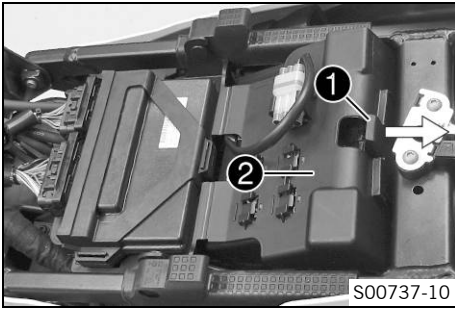
Warning
Environmental hazard Hazardous substances cause environmental damage.

- Oil, grease, filters, fuel, cleaners, brake fluid, etc., should be disposed of as stipulated in applicable regulations.

i Info
Even when there is no load on the battery, it discharges steadily.
The charge state and the type of charge are very important for the service life of the battery.
Rapid recharging with a high charging current shortens the battery's service life.
If the charging current, charging voltage, and charging time are exceeded, electrolyte escapes through the safety valves. This reduces the battery capacity.
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 sulfate, destroying the battery.
The battery is maintenance-free, i.e., the acid level does not have to be checked.
If the battery is not charged using the KTM battery charger, the battery must be removed for charging. Otherwise, overvoltage may damage electronic components. Charge the battery according to the instructions on the battery housing.

Preparatory work

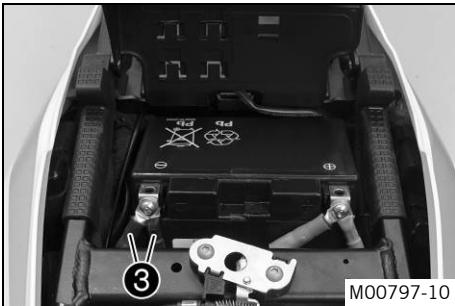
- Switch off all power consumers and switch off the engine.
- Remove the passenger seat. (☛ p. 6)
- Remove the front rider's seat. (☛ p. 6)



S00737-10

Main work

- Pull locking mechanism ① in the direction of the arrow.
- Fold open cover ②.



M00797-10

- Disconnect negative cable ③ of the battery to avoid damage to the motorcycle's electronics.



M00775-01

- Connect the battery charger to the battery. Switch on the battery charger.

Battery charger (58429074000)

Info

You can also use the battery charger to test the open-circuit voltage and start potential of the battery, and to test the alternator. With this device, you cannot overcharge the battery.

Charge the battery with a maximum of 10% of the capacity specified on the battery housing.

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

Guideline

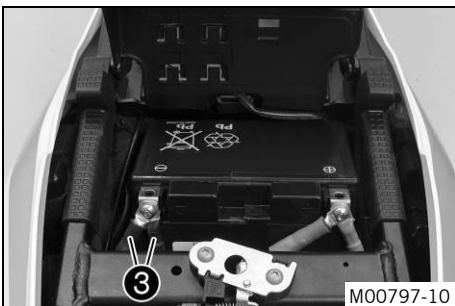
The charging current, charging voltage, and charging time must not be exceeded.

Charge the battery regularly when the motorcycle is not in use	3 months
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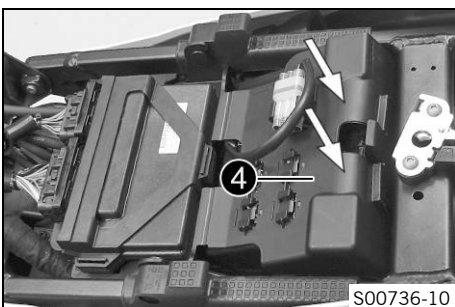
- Connect both negative cables ③ with the battery.

Guideline

Screw, battery terminal	M6	4.5 Nm (3.32 lbf ft)
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M00797-10



S00736-10

- Close cover ④ and push down slightly.
✓ The cover engages with an audible click.

Finishing work

- Mount the front rider's seat. (☛ p. 6)
- Mount the passenger seat. (☛ p. 7)

- Set the time and date.

3.18 Refueling



Danger

Fire hazard Fuel is highly flammable.

- Never refuel 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.
- The fuel in the fuel tank expands when warm and may emerge if overfilled. Follow the instructions on refueling.



Warning

Danger of poisoning Fuel is poisonous and a health hazard.

- Fuel must not come into contact with the skin, eyes, or clothing. Do not breathe in the fuel vapors. If contact occurs with the eyes, rinse with water immediately and contact a physician. Immediately clean contaminated areas on the skin with soap and water. If fuel is swallowed, contact a physician immediately. Change clothing that is contaminated with fuel.

Note

Material damage Premature clogging of the fuel filter.

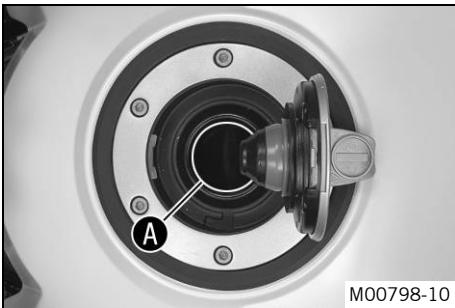
- In some countries and regions, the available fuel quality and cleanliness may not be sufficient. This will result in problems with the fuel system.
- Only refuel with clean fuel that meets the specified standards.



Warning

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

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



- Switch off the engine.
- Open the filler cap. (☛ p. 18)
- Fill the fuel tank with fuel up to the lower edge **A** of the filler neck.

Total fuel tank capacity, approx.	30 l (7.9 US gal)	Super unleaded (ROZ 95/RON 95/PON 91) (☛ p. 25)
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- Close the filler cap. (☛ p. 19)

3.19 Opening the filler cap



Danger

Fire hazard Fuel is highly flammable.

- Never refuel 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.
- The fuel in the fuel tank expands when warm and may emerge if overfilled. Follow the instructions on refueling.



Warning

Danger of poisoning Fuel is poisonous and a health hazard.

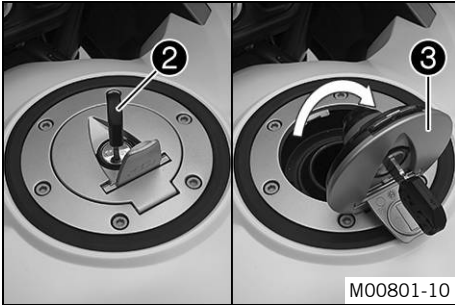
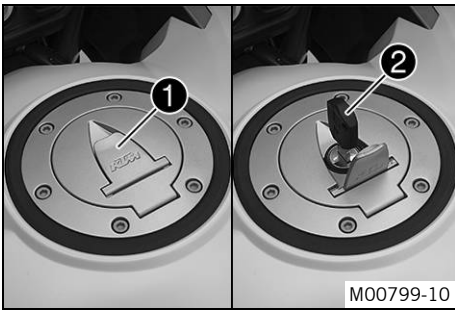
- Fuel must not come into contact with the skin, eyes, or clothing. Do not breathe in the fuel vapors. If contact occurs with the eyes, rinse with water immediately and contact a physician. Immediately clean contaminated areas on the skin with soap and water. If fuel is swallowed, contact a physician immediately. Change clothing that has been contaminated with fuel. Store fuel properly in a suitable canister and keep away from children.



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.



- Lift cover **1** of the filler cap and insert ignition key **2** in the fuel tank lock.

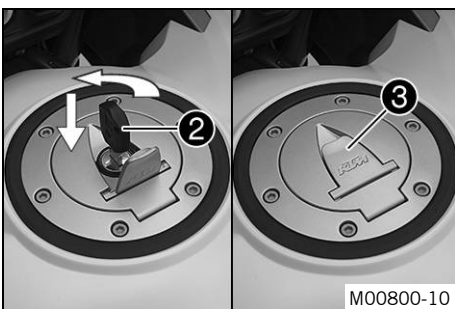
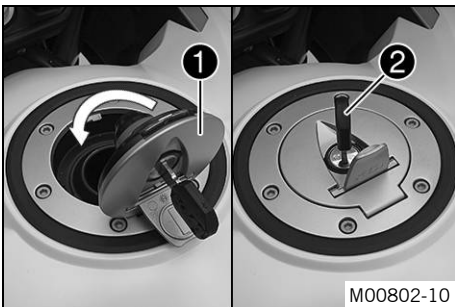
Note

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 ignition key **2** clockwise.
- Fold open filler cap **3**.

3.20 Closing the filler cap



- Fold down filler cap **1**.
- Turn ignition key **2** clockwise.

- Push down the filler cap and turn the ignition key **2** counterclockwise until the tank lock closes.



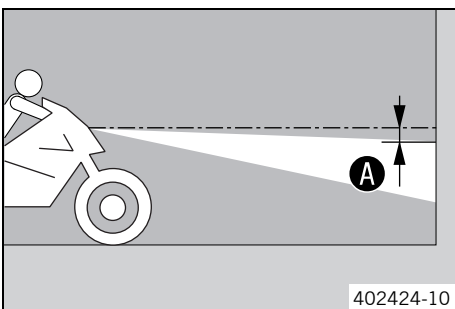
Warning

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.

- Remove ignition key **2** and close cover **3**.

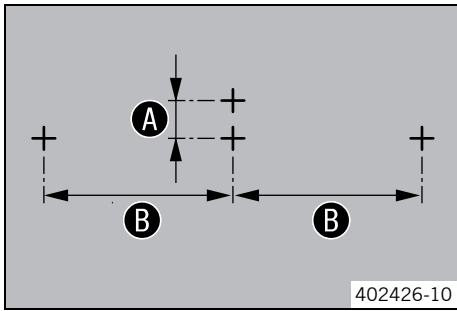
3.21 Check the setting of the lighting system



- Position the vehicle upright on a horizontal surface in front of a light-colored wall and make a mark at the height of the center of the low beam headlight.
- Make a second mark at a distance **A** under the first mark.

Guideline

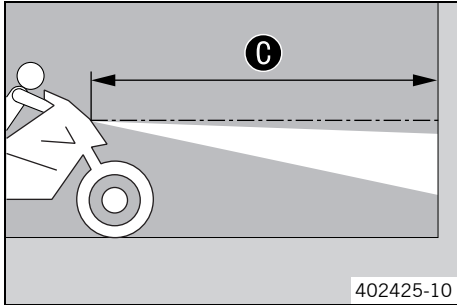
Distance A	5 cm (2 in)
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- Make two further marks spaced apart **B** to the left and the right of the second marking.

Guideline

Distance B	71.5 cm (28.15 in)
-------------------	--------------------



- Position the vehicle perpendicular to the wall at a distance **C** from the wall and switch on the low beam.

Guideline

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

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

The light-dark boundary of the low beam must lie exactly on the lower mark when the motorcycle is ready to operate with the rider mounted along with any luggage and a passenger if applicable.

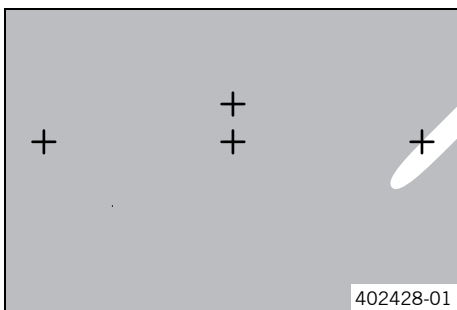
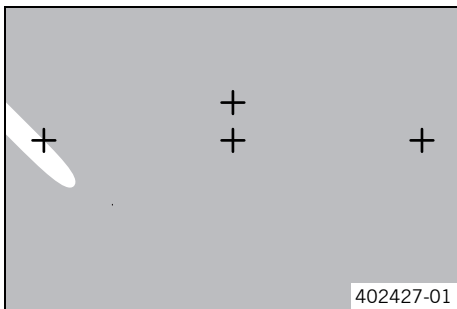
- » If the boundary between light and dark does not meet specifications:
 - Adjust the headlight range. (☛ p. 21)
- Press the **UP** or **DOWN** button until the "**Settings**" menu appears on the matrix display. Pressing the **SET** button opens the menu.
- Press the **UP** or **DOWN** button until "**cLightTest**" is highlighted in black on the matrix display. Pressing the **SET** button again starts the cornering light test.
- Wait for a few seconds until the upper segment of the left cornering light lights up continuously.
- Checking the left cornering light setting.

The light-dark boundary of the upper segment must run exactly through the left marking.

- » If the boundary between light and dark does not meet specifications:
 - Adjust the cornering light range. (☛ p. 21)
- Press the **SET** button.
 - ✓ The left cornering light is switched off.
 - ✓ The right cornering light test is started.
- Wait for a few seconds until the upper segment of the right cornering light lights up continuously.
- Checking the right cornering light setting.

The light-dark boundary of the upper segment must run exactly through the right marking.

- » If the boundary between light and dark does not meet specifications:
 - Adjust the cornering light range. (☛ p. 21)
- Press the **SET** button.
 - ✓ The cornering light is switched off.



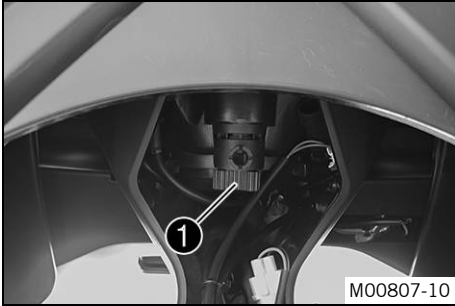
3.22 Adjusting the headlight range

Preparatory work

- Check the setting of the lighting system. (☛ p. 19)
- Remove the bottom triple clamp cover. (☛ p. 13)

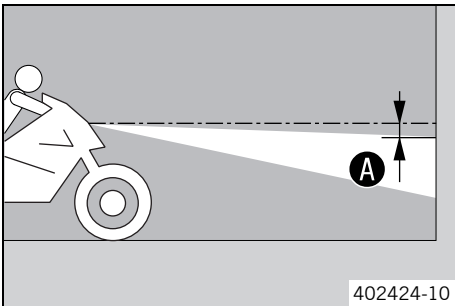
Main work

- Turn adjusting screw **1** to adjust the headlight range.



Info

Turn clockwise to increase the headlight range; turn counterclockwise to reduce the headlight range.
If you have a payload, you may have to correct the headlight range.



- Set the headlight to marking **A**.

Guideline

The light-dark boundary must lie exactly on the lower mark **A** when the motorcycle is ready to operate with the rider mounted along with any luggage and a passenger if applicable.

Finishing work

- Install the bottom triple clamp cover. (☛ p. 14)

3.23 Adjusting the cornering light range

Preparatory work

- Check the setting of the lighting system. (☛ p. 19)

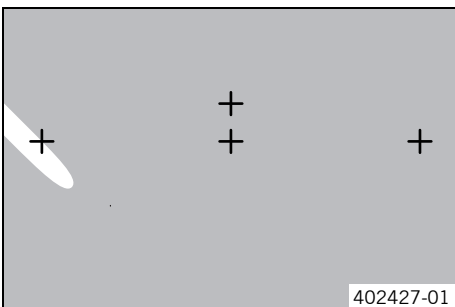
Main work

- Press the **UP** or **DOWN** button until the "Settings" menu appears on the matrix display. Pressing the **SET** button opens the menu.
- Press the **UP** or **DOWN** button until "cLightTest" is highlighted in black on the matrix display. Pressing the **SET** button again starts the cornering light test.
- Wait for a few seconds until the upper segment of the left cornering light lights up continuously.
- Turn adjusting screw **1** to adjust the left cornering light range.



Info

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

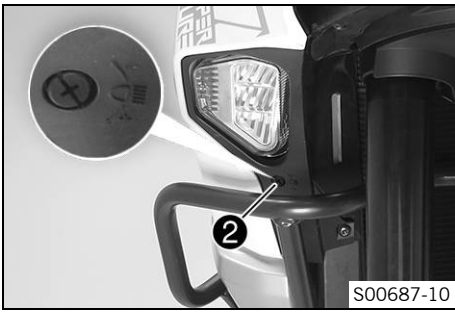


- Set the upper segment on the left marking.

Guideline

The light-dark boundary of the upper segment must run exactly through the left marking.

- Press the **SET** button.
 - ✓ The left cornering light is switched off.
 - ✓ The right cornering light test is started.
- Wait for a few seconds until the upper segment of the right cornering light lights up continuously.

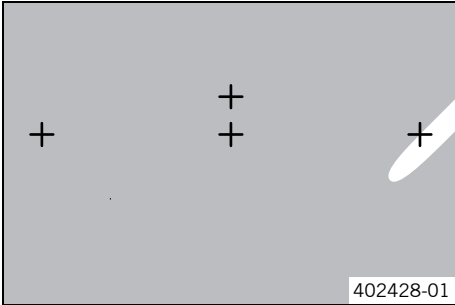


- Turn adjusting screw ② to adjust the right cornering light range.



Info

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



- Set the upper segment on the left marking.

Guideline

The light-dark boundary of the upper segment must run exactly through the right marking.

- Press the **SET** button.
 - ✓ The cornering light is switched off.

4 TECHNICAL DATA - TIGHTENING TORQUES FOR CHASSIS

Nut, passenger seat heating switch	PG21	2 Nm (1.5 lbf ft)	–
Nut, tire pressure sensor	ISO 10V2	12 Nm (8.9 lbf ft)	Loctite® 2701™
Screw, fixed grip handlebar	EJOT Spiralform® M4x6-K	2.7 Nm (1.99 lbf ft)	–
Screw, combination switch, left	M4	2 Nm (1.5 lbf ft)	–
Screw, side stand switch	M4	2 Nm (1.5 lbf ft)	–
Remaining screws, chassis	M5	5 Nm (3.7 lbf ft)	–
Screw, brake line holder on frame	M5	2 Nm (1.5 lbf ft)	–
Screw, brake line holder on swingarm	M5	5 Nm (3.7 lbf ft)	–
Screw, cable channel	M5	5 Nm (3.7 lbf ft)	–
Screw, cable guide, wheel speed sensor, rear	M5	3 Nm (2.2 lbf ft)	–
Screw, chain sliding guard	M5	5 Nm (3.7 lbf ft)	–
Screw, combination switch, right	M5	3.5 Nm (2.58 lbf ft)	–
Screw, cover part	M5	3.5 Nm (2.58 lbf ft)	–
Screw, filler cap	M5	3 Nm (2.2 lbf ft)	–
Screw, foot brake lever stub	M5	6 Nm (4.4 lbf ft)	Loctite® 243™
Screw, fuel level sensor	M5	3 Nm (2.2 lbf ft)	–
Screw, heat guard on main silencer	M5	4 Nm (3 lbf ft)	–
Screw, wind shield	M5	3.5 Nm (2.58 lbf ft)	–
Spoke nipple	M5	5 Nm (3.7 lbf ft)	–
Ground fitting on frame	M6	6 Nm (4.4 lbf ft)	–
Nut, ABS unit fixation	M6	8 Nm (5.9 lbf ft)	–
Remaining chassis nuts	M6	10 Nm (7.4 lbf ft)	–
Remaining chassis screws	M6	10 Nm (7.4 lbf ft)	–
Screw, acceleration sensor	M6	6 Nm (4.4 lbf ft)	–
Screw, angle sensor	M6	6 Nm (4.4 lbf ft)	Loctite® 243™
Screw, ball joint of push rod on foot brake cylinder	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, battery terminal	M6	4.5 Nm (3.32 lbf ft)	–
Screw, brake line holder on bottom triple clamp	M6	10 Nm (7.4 lbf ft)	–
Screw, cable channel	M6	5 Nm (3.7 lbf ft)	–
Screw, chain guide	M6	5 Nm (3.7 lbf ft)	–
Screw, clutch assembly	M6	5 Nm (3.7 lbf ft)	–
Screw, cooler retaining bracket	M6	7 Nm (5.2 lbf ft)	–
Screw, cover part	M6	6 Nm (4.4 lbf ft)	–
Screw, engine guard	M6	10 Nm (7.4 lbf ft)	–
Screw, exhaust clamp	M6	8 Nm (5.9 lbf ft)	–
Screw, foot brake cylinder	M6	10 Nm (7.4 lbf ft)	Loctite® 243™
Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Screw, fuel pump	M6	6 Nm (4.4 lbf ft)	–
Screw, fuel tank	M6	10 Nm (7.4 lbf ft)	–
Screw, fuel tap	M6	6 Nm (4.4 lbf ft)	–
Screw, lower rear part	M6	6 Nm (4.4 lbf ft)	–
Screw, magnetic holder on side stand	M6	6 Nm (4.4 lbf ft)	Loctite® 243™
Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	Loctite® 243™
Screw, retaining bracket, angle sensor	M6	6 Nm (4.4 lbf ft)	Loctite® 243™
Screw, voltage regulator	M6	6 Nm (4.4 lbf ft)	–
Screw, wheel speed sensor, front	M6	10 Nm (7.4 lbf ft)	–
Screw, wheel speed sensor, rear	M6	10 Nm (7.4 lbf ft)	–
Remaining chassis nuts	M8	25 Nm (18.4 lbf ft)	–
Remaining chassis screws	M8	25 Nm (18.4 lbf ft)	–
Screw, bottom triple clamp	M8	12 Nm (8.9 lbf ft)	–

4 TECHNICAL DATA - TIGHTENING TORQUES FOR CHASSIS

Screw, foot brake lever	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, fork stub	M8	15 Nm (11.1 lbf ft)	–
Screw, front footrest bracket	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, handlebar clamp	M8	20 Nm (14.8 lbf ft)	–
Screw, ignition lock (tamper-proof screw)	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, rear footrest bracket	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, steering damper	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, steering damper clamp	M8	12 Nm (8.9 lbf ft)	–
Screw, suitcase hook	M8	20 Nm (14.8 lbf ft)	Loctite® 243™
Screw, top triple clamp	M8	20 Nm (14.8 lbf ft)	–
Engine carrying screw	M10	45 Nm (33.2 lbf ft)	–
Remaining chassis nuts	M10	45 Nm (33.2 lbf ft)	–
Remaining chassis screws	M10	45 Nm (33.2 lbf ft)	–
Screw, front brake caliper	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	Loctite® 243™
Screw, side stand	M10	35 Nm (25.8 lbf ft)	Loctite® 243™
Screw, side stand bracket	M10	45 Nm (33.2 lbf ft)	Loctite® 243™
Banjo bolt, brake line	M10x1	25 Nm (18.4 lbf ft)	–
Lambda sensor	M12x1.25	25 Nm (18.4 lbf ft)	–
Screw, bottom shock absorber	M14x1.5	80 Nm (59 lbf ft)	Thread greased
Screw, top shock absorber	M14x1.5	80 Nm (59 lbf ft)	Thread greased
Nut, socket	M18x1	4 Nm (3 lbf ft)	–
Nut, swingarm pivot	M19x1.5	130 Nm (95.9 lbf ft)	Thread greased
Screw, steering head, top	M22x1.5	50 Nm (36.9 lbf ft)	–
Nut, rear wheel spindle	M25x1.5	90 Nm (66.4 lbf ft)	Thread greased
Screw, front wheel spindle	M25x1.5	45 Nm (33.2 lbf ft)	Thread greased
Nut, steering head, top	M28x1.0	Step 1 10 Nm (7.4 lbf ft) Step 2 (loosen, counter-clockwise) 60°	–

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).



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01/2015

