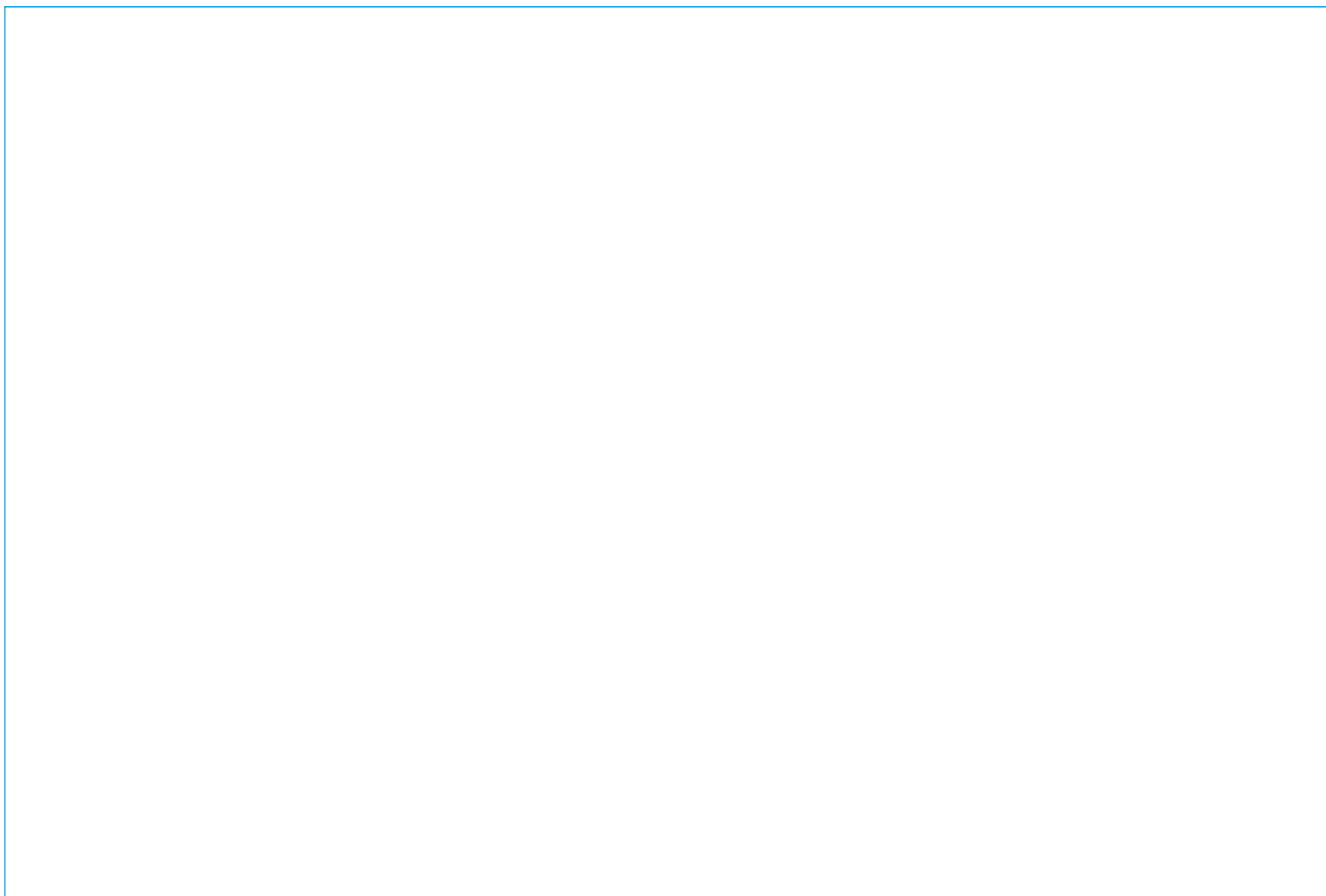




Owners manual

LJ125T-20



PREFACE

You have purchased our scooter, congratulations and thank you for putting your trust in us.

This model is a sturdy scooter in modern design.

Its sound construction, the meticulous selection of materials, the advanced manufacturing techniques and conscientious work of dedicated employees provides the scooter with all the characteristics such as economical operation, quality, reliability and its lasting value.

We cannot be held liable for any consequential damage caused by accessories not approved by the factory.

The scope of delivery and version of the scooter is solely determined by the purchase agreement concluded with the dealer.

This operating manual includes important instructions for handling your light scooter. Read it carefully, because professional handling combined with regular care and maintenance helps to maintain the scooter's value and is one of the requirements for warranty claims.

We wish you at all times a safe journey.

Yours

Safety symbols and notes

Please observe the following:

WARNING

Precautionary measures against the risk of accidents, injury and /or death.

FIRE HAZARD

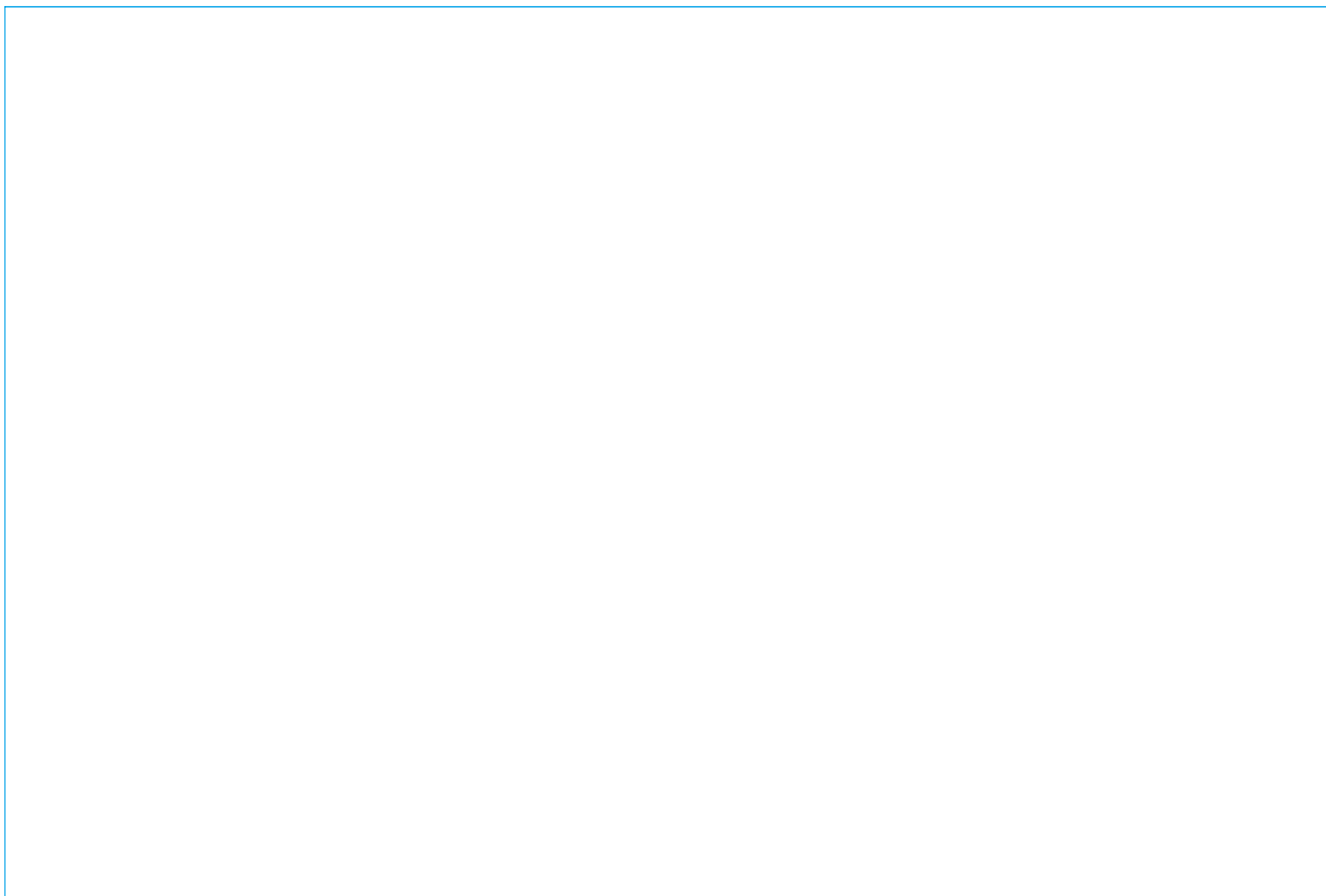
The vehicle is equipped with a catalyst, this results in extremely high temperatures on the exhaust system (risk of burning)

CAUTION

Important instructions and precautionary rules to avoid damage to the vehicle. Nonobservance can lead to the warranty becoming void.

NOTE

Special instructions for better handling during operation, inspection adjustments and service activities.



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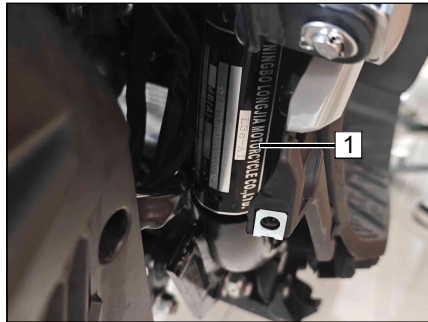
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WARRANTY AND SERVICE DATA

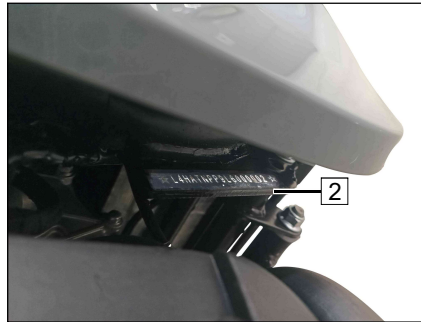
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SUMMARY AND OPERATION

Identification number



Chassis number



Engine number



NOTE

The description for right-hand side is viewed from the driver.

The identification number (1) is located on the frame below the right side cover.

The VIN located in the rear part of luggage box (2).

The engine number (3) is located on the rear side of the left crankcase.

Key

With the scooter you get two separate keys for:

- Ignition lock, Fuel tank cap and Storage box.

Keep the spare key at a safety place.

OVERVIEW AND OPERATION

Right-hand side view(LJ125T-20 CBS)

- 1 Storage box with tool kit
- 2 Battery box and fuse
- 3 Ignition and fork-column lock
- 4 Brake fluid container for front wheel brake
- 5 Handbrake lever for front brake
- 6 Engine oil filler cap



OVERVIEW AND OPERATION

Right-hand side view(LJ125T-20 TCS)

- 1 Storage box with tool kit
- 2 Battery box and fuse
- 3 Ignition and fork-column lock
- 4 Brake fluid container for front wheel brake
- 5 Handbrake lever for front brake
- 6 Engine oil filler cap



OVERVIEW AND OPERATION

Left-hand side view (LJ125T-20 CBS)

- 7 Handbrake lever for rear brake
- 8 Instrument
- 9 Tank cap
- 10 Transmission oil filler plug
- 11 Air filter
- 12 Parking stand
- 13 Side stand



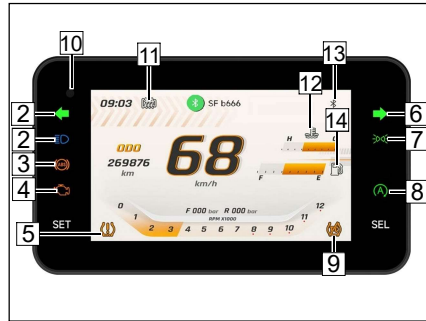
Left-hand side view (LJ125T-20 TCS)

- 7 Handbrake lever for rear brake
- 8 Instrument
- 9 Tank cap
- 10 Transmission oil filler plug
- 11 Air filter
- 12 Parking stand
- 13 Side stand



OVERVIEW AND OPERATION

TFT Combination Instrument



1. Left turn indicator

It blinks at the normal frequency with the turning signals.

2. High beam indicator

It will be on at the same time when the high beam is on.

3. ABS fault light

When the vehicle is powered on and parked, the light will turn on. When the vehicle speed exceeds 5km/h, the light will turn off. If the light is on while the vehicle is in motion, it indicates that there is a malfunction in the ABS anti-lock system. Please contact after-sales service or visit an authorized dealership for inspection.

4. EFI fault indicator

When the ignition switch is at "ON" position, and the right switch at "↺" position, engine is off and this indicator is on; turn on engine, this indicator goes off, it means engine works properly. If engine is on, and indicator is also on, there's fault with EFI system, contact your dealer for service.

5. Tire pressure warning indicator (optional function)

When the tire pressure is too low or too high, the indicator turns orange. At this time, the vehicle should be stopped and checked.

6. Right turn indicator

It blinks at the normal frequency with the turning signals.

7. Position light indicator

When the position light is turned on, the indicator lights up at the same time.

8. Automatic start-stop indicator

When the function is turned on, the indicator will light up for 2-3 seconds and then turn off. When the vehicle meets the triggering conditions, the indicator remains on. When the vehicle triggers the function, the indicator flashes.

9. TCS indicator

When the vehicle is powered on and stopped, the lamp will be on. When the vehicle speed exceeds 5km/h, the lamp will be off.

The TCS function can be turned off in the instrument menu. After it is turned off, the indicator light has a bar and is always on. The TCS defaults to ON each time the vehicle is powered back on. When TCS is turned on, TCS will actively reduce engine torque to reduce tire slip when rear tire slip occurs during riding. When the TCS operates, the TCS indicator will flash rapidly.

If the lamp is always on when the vehicle is running, it indicates that there is a fault in the TCS traction control system. Please contact the authorized dealership for inspection.

10. Light sensor

It automatically determines the state of day and night.

11. Handle heating indicator

When the handle heating is turned off, the light does; When the handle heating is turned on, the light displayed.

12. Water temperature symbol

When the light turns red, the engine water temperature is high and there is an abnormality. At this time, please stop the vehicle to cool down to check.

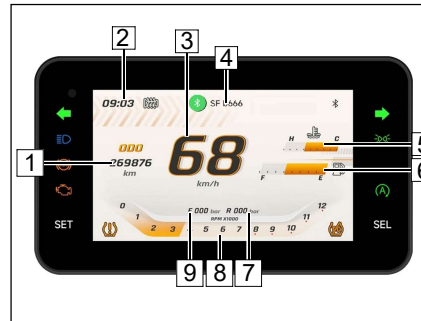
OVERVIEW AND OPERATION

TFT Combination Instrument

13. Bluetooth symbol (optional function)
When the instrument is successfully connected to the Bluetooth, the symbol will be sign lights up.

14. Oil level warning indicator
When the remaining fuel level is insufficient, the indicator will turn on. Please replenish the fuel in a timely manner.

Multi-function Meter



1. Total mileage (single mileage) display
It shows the total mileage of the vehicle, or the mileage of the vehicle at one time. The total mileage and single mileage display can be adjusted by the SET and SEL buttons.

2. Time display
It shows the current time. It can be adjusted by SET and SEL buttons.(see page 12,Clock Settings).

3. Vehicle speed display
It shows the real-time speed of the vehicle. km/h and mph display can be adjusted by the SEL buttons (see page 13, Unit Conversion).

4. Bluetooth name display

The Bluetooth name of the current vehicle. Connect the instrument and mobile phone Bluetooth according to the operating instructions. When the Bluetooth connection with the mobile phone is successful, the text here will disappear and the Bluetooth logo on the upper right will be displayed.

5. Water temperature indicator

It turns red and flashes when the engine water temperature is high, which means there are abnormalities. At this time, the vehicle should be stopped to cool down and checked.

6. Fuel gauge display

It shows the fuel level in the tank. 8 grids indicate full fuel. When there is only one grid remains and blinks, this means the fuel will run out, please refuel the fuel tank immediately.

7. Rear tire pressure display

Real-time display of rear tire pressure.

8. Engine speed display

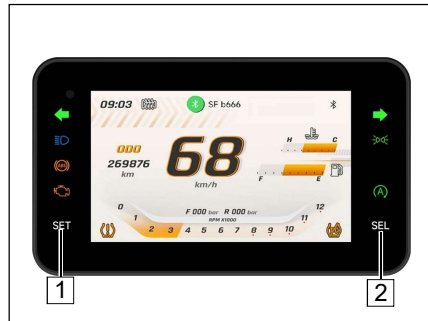
The current number of revolutions per minute of the engine crankshaft.

9. Front tire pressure display

Real-time display of front tire pressure.

OVERVIEW AND OPERATION

Key Function Description



1. SET key

When the main interface is displayed, short press the set key to switch the total and sub-total; long press the set key to enter the menu interface.

when the menu interface is displayed, short press the set key to switch to the next option/switching mode; long press the set key to return to the main interface.

2. SEL key

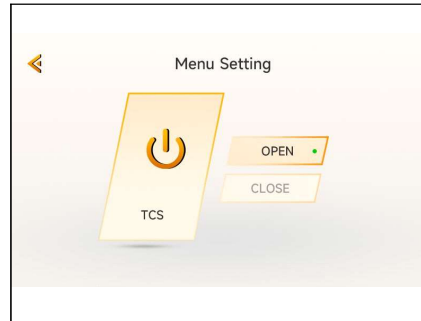
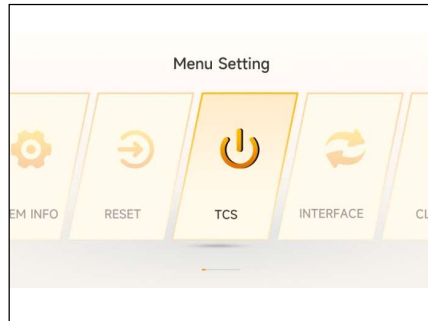
When the main interface is displayed, short press the SEL key to switch between metric and English systems; press and hold the SEL key, press the subtotal, and the subtotal

is cleared.

When the menu interface is displayed, short press the SEL key to enter the submenu/value accumulation selected by the cursor; Press and hold the SEL key to return to the previous menu.

OVERVIEW AND OPERATION

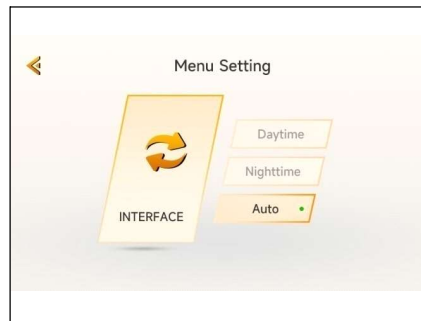
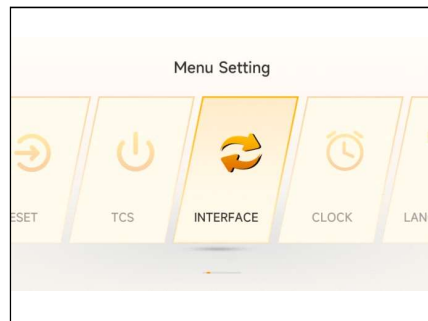
TCS Switch:



TCS Switch:

1. Navigate to TCS using the cursor controls.
2. Enter Submenu: Briefly press the SEL button to access the TCS settings.
3. Toggle Function: Press the SET button to switch between:
TCS ON (Active traction control)/TCS OFF (Disables intervention)
4. Save & Exit: Press and hold the SEL button to confirm settings and return to the main menu.

Mode Switching:

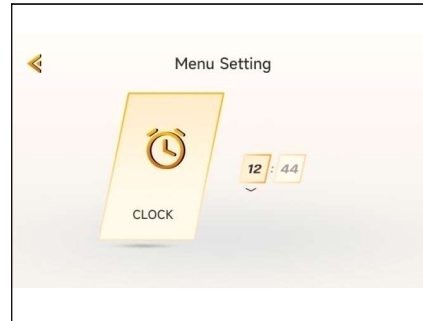
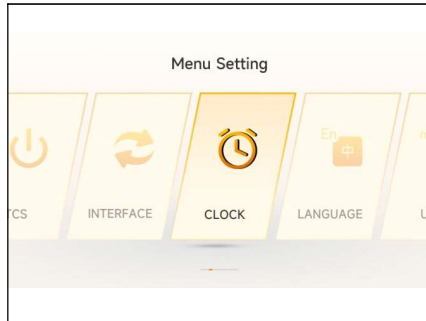


Mode Switching:

1. Navigate to Mode Switch using cursor.
2. Enter Submenu: Briefly press SEL.
3. Toggle Options: Briefly press SET to cycle: Day Mode (bright interface)/Night Mode (dark interface)/Auto Mode (ambient light sensor-controlled)
4. Save & Exit: Long-press SEL to confirm and return.

OVERVIEW AND OPERATION

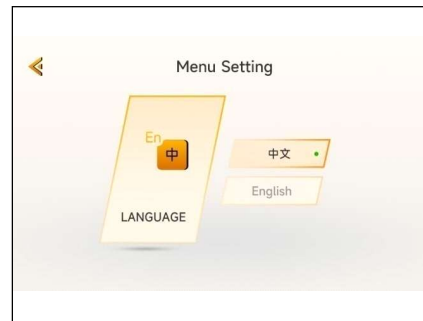
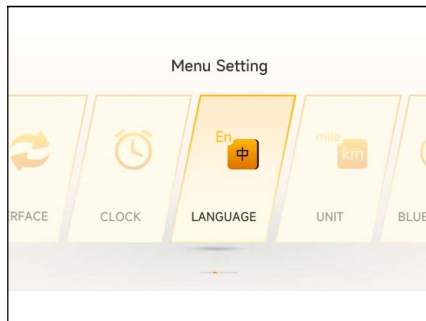
Clock Settings:



Clock Settings:

1. Navigate to Clock Settings using cursor.
2. Enter Submenu: Briefly press SEL.
3. Adjust Time: Briefly press SET to toggle Hour/Minute/ Briefly press SEL to increment values.
4. Save & Exit: Long-press SEL to confirm and return.

Language Selection:

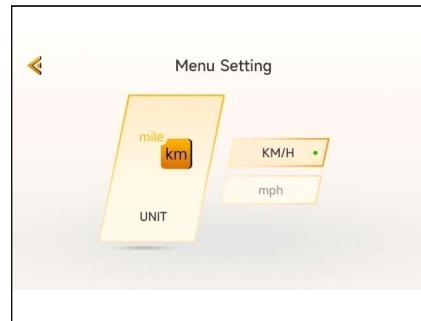
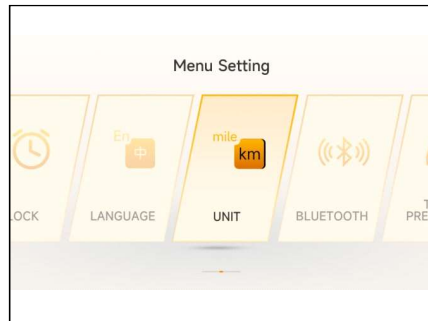


Language Selection:

1. Navigate to Language Switch using cursor.
2. Enter Submenu: Briefly press SEL.
3. Toggle Options: Briefly press SET to switch: 中文 (Chinese)/English
4. Save & Exit: Long-press SEL to confirm and return

OVERVIEW AND OPERATION

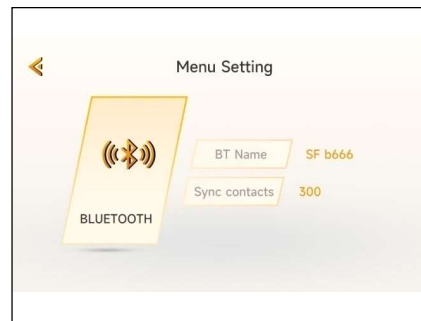
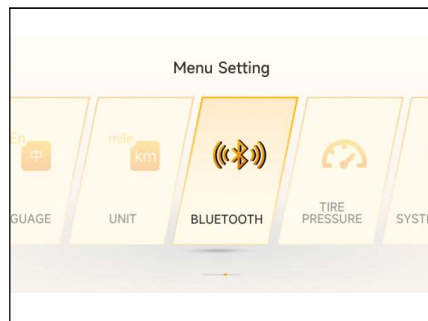
Unit Conversion:



Unit Conversion:

1. Navigate to Unit Switch using cursor.
2. Enter Submenu: Briefly press SEL.
3. Toggle Options: Briefly press SET to switch: Metric (km/h)/Imperial (mph)
4. Save & Exit: Long-press SEL to confirm and return.

Mobile Bluetooth:

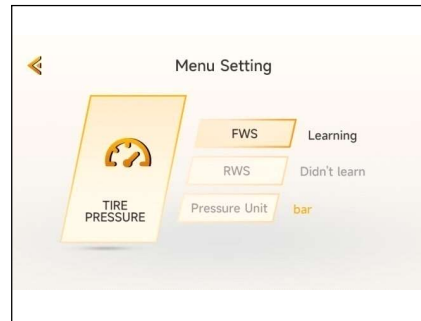
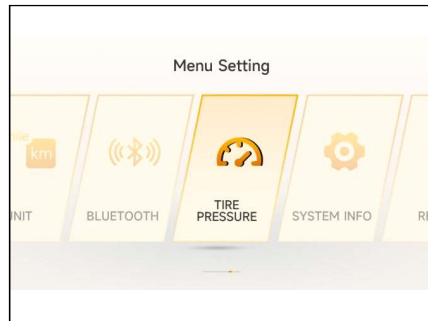


Mobile Bluetooth:

1. Navigate to Bluetooth using cursor.
2. Enter Submenu: Briefly press SEL.
3. View Info:
Bluetooth Name: Device pairing ID (e.g. , *SF b666*) Synced Contacts: Number of synchronized phonebook entries
4. Save & Exit: Long-press SEL to return.

OVERVIEW AND OPERATION

Tire Pressure Settings (Optional):



1. Navigate to Tire Pressure Settings using cursor.

2. Enter Submenu: Briefly press SEL.

3. Toggle Options: Briefly press SET to cycle:

Front Wheel Sensor Learning/Rear Wheel Sensor Learning/Tire Pressure Unit (psi/kPa)

4. Sensor Learning Procedure:

Select Front/Rear Wheel Sensor Learning.

Start Learning: Briefly press SEL.

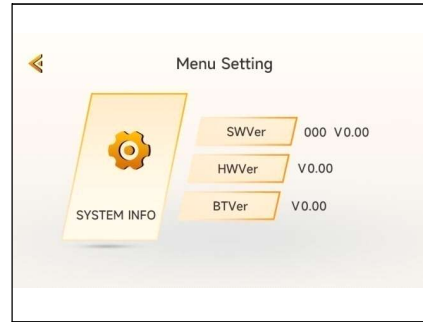
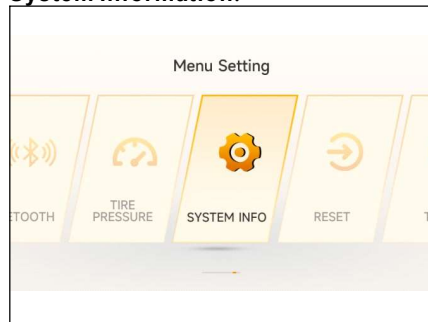
Cancel Learning: Briefly press SET

Status Indication:

Success: Displays sensor/Failure: Displays error code

5. Save & Exit: Long-press SEL when not in learning mode.

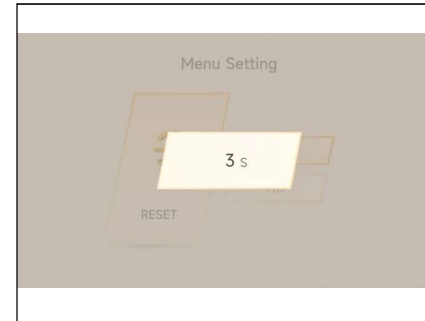
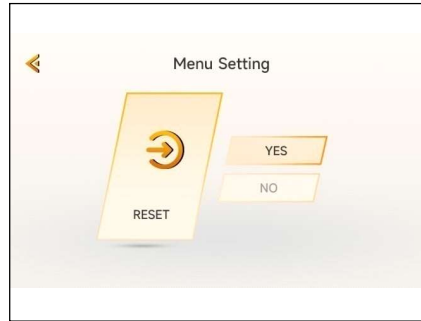
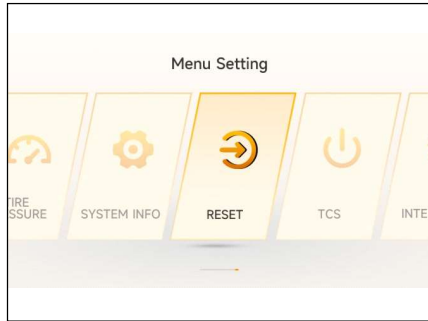
System Information:



1. Navigate to System Info using cursor.
2. Enter Submenu: Briefly press SEL.
3. View Details:
Instrument Version: Firmware revision
ECU Compatibility: Protocol version
4. Save & Exit: Long-press SEL to return.

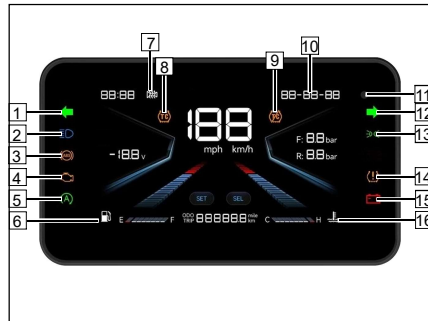
OVERVIEW AND OPERATION

Factory Reset:



1. Navigate to Factory Reset using cursor.
2. Enter Submenu: Briefly press SEL.
3. Toggle Confirmation: Briefly press SEL to select:
Yes (Triggers reset)/No (Cancels)
4. Reset Process:
Selecting Yes initiates:
Countdown with progress bar./Post-reset: Auto-reboot to main menu.
5. Cancel/Exit: Long-press SEL to abort and return.

LCD Combination Instrument



1. Left turn indicator

It blinks at the normal frequency with the turning signals.

2. High beam indicator

It will be on at the same time when the high beam is on.

3. ABS fault light

When the vehicle is powered on and parked, the light will turn on. When the vehicle speed exceeds 5km/h, the light will turn off. If the light is on while the vehicle is in motion, it indicates that there is a malfunction in the ABS anti-lock system. Please contact after-sales service or visit an authorized dealership for inspection.

4. EFI fault indicator

When the ignition switch is at "ON" position, and the right switch at "↺" position, engine is off and this indicator is on; turn on engine, this indicator goes off, it means engine works properly. If engine is on, and indicator is also on, there's fault with EFI system, contact your dealer for service.

5. Automatic start-stop indicator

When the function is turned on, the indicator will light up for 2-3 seconds and then turn off.

When the vehicle meets the triggering conditions, the indicator remains on. When the vehicle triggers the function, the indicator flashes.

6. Oil level warning indicator

When the remaining fuel level is insufficient, the indicator will turn on. Please replenish the fuel in a timely manner.

7. Handle heating indicator

When the handle heating is turned off, the light does; When the handle heating is turned on, the light displayed.

8. TCS indicator

When the vehicle is powered on and parked, the indicator will turn on. When the vehicle speed exceeds 5km/h, the indicator will turn off.

Each time the vehicle is powered on again, TCS defaults to the on state. When the TCS is turned on, if the rear tire slips during the driving process, the TCS will actively reduce the engine torque to reduce tire slip. When TCS is activated, the TCS indicator will flash rapidly. If the indicator stays on while the vehicle is in motion, it indicates a malfunction in the TCS traction control system. Please contact after-sales service or visit an authorized dealership for inspection.

9. TCS indicator-Off

The TCS function can be turned off by pressing the buttons on the instrument. After being turned off, the indicator shows a horizontal bar and remains constantly illuminated. Every time the vehicle is powered on again, TCS is set to the default on state.

10. Date display

It can be adjusted through the buttons, as detailed on page 19 (Key Function Description).

11. Light sensor

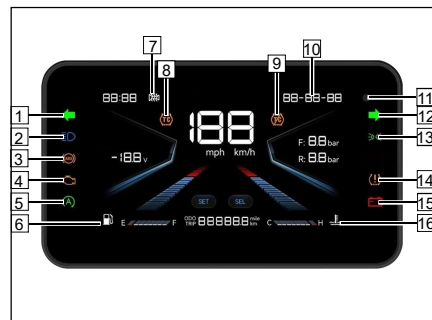
It automatically determines the state of day and night.

12. Right turn indicator

It blinks at the normal frequency with the turning signals.

OVERVIEW AND OPERATION

LCD Combination Instrument



13.Position light indicator

When the position light is turned on, the indicator lights up at the same time.

14.Tire pressure warning indicator (optional function)

When the tire pressure is too low or too high, the indicator turns orange. At this time, the vehicle should be stopped and checked.

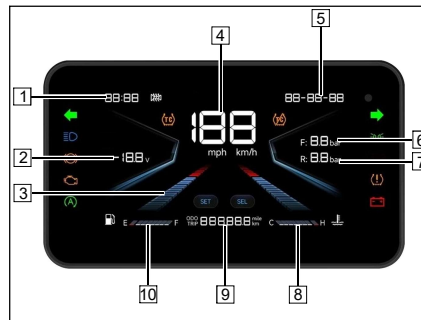
15. Battery voltage display

When the lights up, it means that the battery voltage is low. At this time, you should stop the vehicle and check for abnormalities.

16.Water temperature indicator

It turns red and flashes when the engine water temperature is high, which means there are abnormalities. At this time, the vehicle should be stopped to cool down and checked.

Multi-function Meter



1. Time display

It shows the current time. It can be adjusted by SET and SEL buttons, as detailed on page 19 (Menu Operation Instructions - Clock Settings).

2. Battery voltage display

Displays the current vehicle voltage.

3. Engine speed progress bar

When the speed changes, the progress bar will change with the number size (no specific scale).

4. Vehicle speed display

It shows the real-time speed of the vehicle. km/h and mph display can be adjusted by the SEL buttons.

5. Date display

It can be adjusted through the buttons, as detailed on page 19 (Menu Operation Instructions - Clock Settings).

6.Front tire pressure display

Real-time display of front tire pressure

7. Rear tire pressure display

Real-time display of rear tire pressure

8.Engine coolant temperature display

When the last grid is red flashing, this indicates that the engine water temperature is high and there is an abnormality. At this time, stop the vehicle, cool it down and check it.

9.Total mileage (single mileage) display

It shows the total mileage of the vehicle, or the mileage of the vehicle at one time. The total mileage and single mileage display can be adjusted by the SET and SEL buttons.

10.Fuel gauge display

Shows the fuel level in the tank. Eight cells indicate full fuel. The low fuel goes on when there is only one bar that remains and blinks, go refuel the fuel tank immediately.

Key Function Description



1. SET key

Short press SET key to switch between total and single mileage. In the total mileage state, Long press SET key to enter date and clock setting.

2. SEL key

Short press SEL key to switch between metric and imperial system.

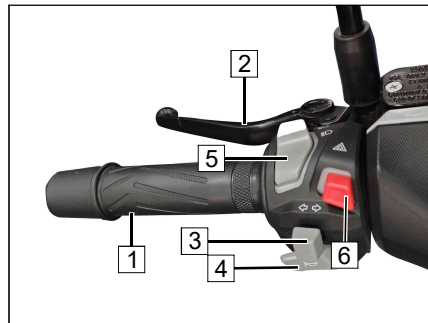
In the single mileage state, press and hold the SEL button to reset the single mileage.

Clock setting

In the total mileage state, long press the SET button to enter the clock setting. The year position will flash first, then short press the SEL button to accumulate. short press SET to switch YEAR-Month-Date-Hour-Minute. After complete setting short press SET key to exit the clock setting.

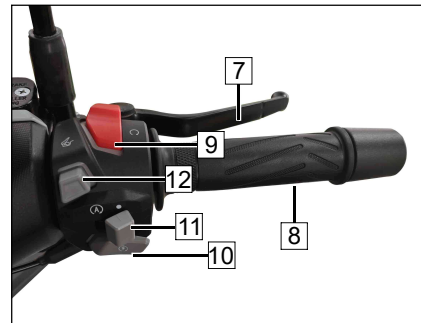
OVERVIEW AND OPERATION

Handlebar instrument, left



- 1 Fixed grip
- 2 Handbrake lever for rear brake
- 3 Direction-indicator switch
 - ⇐ Switch to left
Left indicator on
 - ⇒ Switch to right
Right indicator on
 - Push button for switch off
- 4  Push-button:horn
- 5 High beam indicator
 -  high beam
 -  low beam
 - PASS Passing light switch

Handlebar instrument, right



- 6  hazard warning lamp switch
- 7 Handbrake lever for front brake
- 8 Throttle
- 9 Engine off switch
 -  When the switch on "  " position, it has electric power, the engine can be start.
 -  When the switch on "  " position, it is not power, the engine can not be start.
- 10  Starter button

11 Auto Start-Stop switch

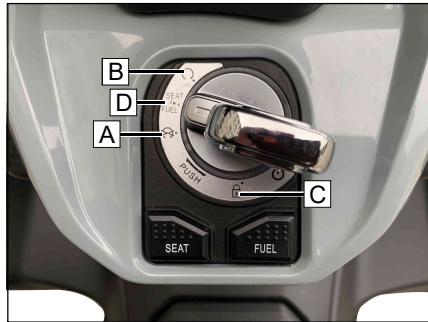
When the switch is placed in the "  " position, the auto start-stop function is turned on. When the start-stop indicator light is on for a long time, at this time, if the throttle opening and speed is 0, wait for about 4S, the engine will automatically turn off, and the start-stop indicator light on the instrument flashes. To start again, please increase the throttle directly.

When the switch is placed in position, the auto start-stop function is turned off.

12 When the lock is in the "  " position, press the button to open the seat cushion.

OVERVIEW AND OPERATION

Ignition and fork-column lock



Keyless ignition switch

When the remote key is within 1.5 meters to vehicle, the PKE function activates. Press down the keyless ignition switch, the blue indicate light on switch will be on, turn the switch to control the vehicle.

A. Turn off the engine and electric circuit.

B. Turn on the electric circuit, engine is ready to start.

C. Turn the handle to the left, press down the switch, follow the direction of arrow and turn to the position, lock the handle bar.

When the remote key fails, the mechanical key can be used to complete the above.

D. Turn to this position, press the "SEAT" button to open the luggage box; press the "FUEL" button to open the fuel tank cap.

E. Press this button on remote key, the vehicle seeking function activates, then all turn lights flash.

F. Press this button on the remote key, remote unlock the vehicle. The green indicate light will on, turn the ignition switch to control the vehicle without press down.

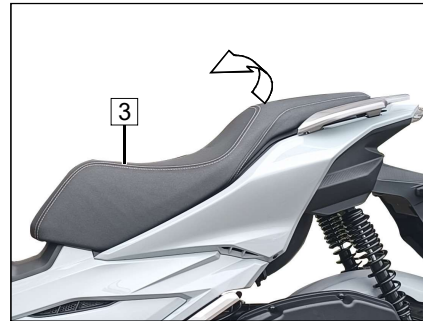
G. Press this button on remote key, turn lights flash one time, PKE function activates; press this button again, PKE function close and switch to energy saving mode, then can't turn on the vehicle even the remote key is within 1.5 meters to vehicle.

OVERVIEW AND OPERATION

Storage box



- Do not store valuables in the box.
- Make sure that the seat has been locked completely after it was pressed down.
- Take out valuables before washing to avoid wetting these objects.
- Do not place thermal sensitive objects in the box because of engine's heat and high temperature.



Unlock

- Turn ignition switch to "SEAT FUEL" (1), press button "SEAT"(2), open the luggage box (3).

Lock

- Press down the seat (3) until the lock is engaged.

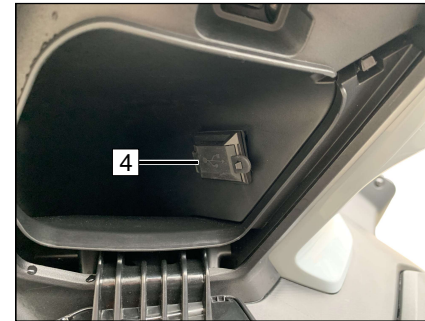
Never leave the key in the storage box.

WARNING

After the seat is closed check if it was locked firmly! -Risk of accidents!

Maximum load capacity: 10 kg

Storage/power outlet



- Storage is for small stuff.
- When the vehicle turn on, the 12V power (4) outlet works, it can connect to low voltage equipment, such like mobile phone, GPS, etc.

CAUTION

Maximum load capacity: 1.5 kg
Do not transport bulky loads.

OVERVIEW AND OPERATION

Fuel, fuel tank

WARNING

Fuel is highly inflammable and can explode. Do not smoke or bring a naked flame near the fuel tank.

Fuel expands under the influence of heat and the sun. Therefore, never fill the tank to the brim. Never fill the tank while the engine is running.

Never bring a glowing cigarette or naked flame near an open tank, because fuel vapour could suddenly ignite.

Fuel stock, tanking



NOTE

The fuel indicating (1) is active when the ignition is turned on.

The scale with the tank symbol  indicates fuel storage volume status.

E = Empty

F = Full

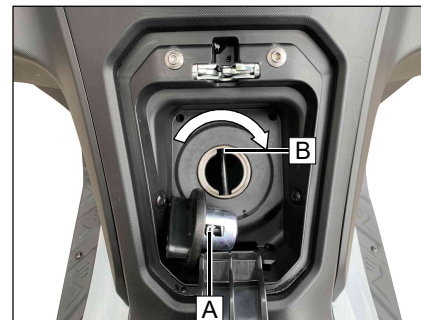
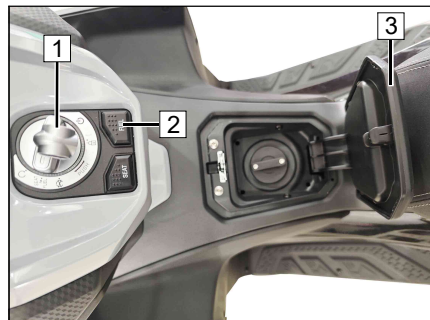
When the fuel level is low, the last section of the fuel level indicator flashes, please replenish the fuel in time.

Filling up with fuel

- Use only premium lead-free fuel
 - Use fuel containing up to 5% ethanol by volume 
- Unleaded fuel min. 95 Octane.

OVERVIEW AND OPERATION

Tank cap



NOTE

The fuel tank cap is next to battery box.

Unlock:

- Main stand
- Turn the ignition switch to "SEAT FUEL" (1), press "FUEL" (2), open the fuel tank cap (3).
- Turn the tank cap (4) counter-clockwise and open the tank cap.

LOCK:

- Align A to B, press the tank cap and turn it clockwise, Until a green point appear on the cover.



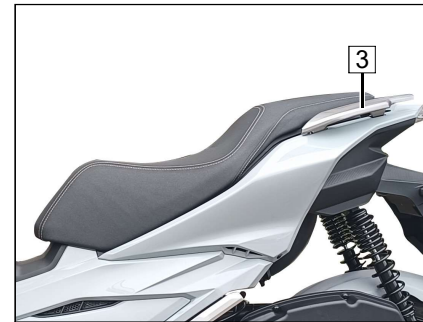
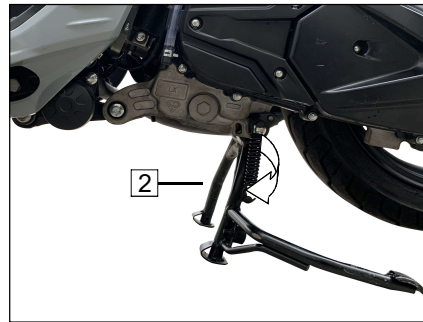
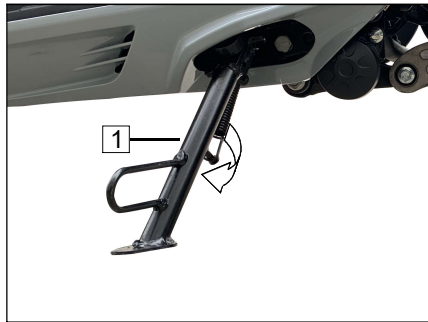
NOTE

Fuel

- Use fuel containing up to 5% ethanol by volume (E5)
- Unleaded fuel min. 95 Octane

OVERVIEW AND OPERATION

Side stand and parking stand



Propping up the scooter on the side stand.



WARNING

Always make sure that the stand is resting on firm ground. On sloping roads, always park the scooter facing uphill. It is essential that the side stand is folded up before starting off ! -Risk of accidents!

Side stand



NOTE

The scooter is equipped with a side stand switch. If the side stand is on vertical position, the engine is shut off and will not start

- Switch off the engine.
- Put your left hand on the left-hand handlebar grip.
- Hold the holder grip with your right hand (3).
- Fold out the arm of the side stand(1) as far forward as it will go and stop by foot.
- Slowly tilt the scooter to the left until its weight is supported.

Parking stand

- Switch off the engine.
- Put your left hand on the left-hand handlebar grip.
- Hold the holder grip(3) with your right hand.
- Push the parking stand (2) down until the two skids are on the ground.
- Put your full body weight on the operating mandrel of the main stand.
- Pull the scooter towards the rear and simultaneously upwards onto parking stand.
- Check that the scooter is standing firmly.

SAFETY TEST

Checklist

Before each ride, carry out a safety check using the checklist.

Take the safety check seriously. Carry out maintenance activities before you start your ride or ask a specialized dealer to do so.

This will provide you with the certainty that your motorcycle corresponds to traffic regulations. A technically faultless motorcycle is a basic requirement for the safety of both yourself and other road users.

Before starting your ride, check the following:

- Steering (smooth and free play)
- Engine oil quantity
- Fuel quantity
- Front brake
- Rear brake
- Tyres (profile and pressure)
- Telescopic fork
- Load / lights
- Total weight
- Lights
- Brake fluid (lever)
- Brake (operation)

In case of problems or difficulties, contact a dealer, who will do everything possible to assist you.



WARNING

While the engine is running or the ignition is on, do not touch the ignition system.



FIRE HAZARD

The exhaust system becomes very hot. While riding, idling or parking, make sure that no inflammable materials (e.g. hay, leaves, grass, coverings or luggage, etc.) can come into contact with it!

Load / lights

WARNING

For the sake of your safety, use only original accessories or products released by us.

We cannot judge for each third-part product whether it can be safely used in combination with your scooter.

Nor can an official approval give such a guarantee in all cases, since the test scope is not always sufficient.



NOTE

Our accessories and approved products as well as qualified advice are available from all specialized dealers.

Correctly loaded

- Make sure that the left-right weight distribution is balanced.
- Check that fastenings are correct and tight.
- Do not transport bulky loads.
- Do not cover the lights.

WARNING

The total allowable weight may not be exceeded.

Check the tyre pressure.

Checking the lights

WARNING

Before any ride, check the operation of all lighting components.

- Check that the headlamps and lenses are clean.

Ride safely



CAUTION

Riding safety is largely also determined by the manner of riding.

Therefore:

- Put on a tested / approved safety helmet and correctly close the buckle.
- Wear suitable protective clothes.
- Rest your feet on the footrests.
- Do not ride if your riding ability has been compromised.

Your reactions can be adversely affected not only by alcohol, but also by drugs and medicines.

- Strictly observe all traffic regulations.
- Always adapt your riding speed to the traffic and road conditions.

On smooth, slippery roads take into account that your riding stability and braking power are limited by the grip of the tyres on the road top.

RIDING INSTRUCTIONS

Ride economically and be aware of the environment

Fuel consumption, environmental pollution and wear of engine, brakes and tyres depend on various factors.

Your personal riding style is highly determinant for economical fuel consumption and exhaust gas and noise generation.

While idling, the engine takes a long time to warm up to operational temperature.

Avoid rapid acceleration

Open the throttle not further than needed, in order to reduce fuel consumption as well as pollution and wear levels.

Do not use excessive revs; change up as soon as possible and do not change down until it is necessary to do so.

Ride as evenly as possible and look ahead as far as possible.

Unnecessary acceleration and hard braking cause high fuel consumption and increased pollution levels.

Different riding conditions affect fuel consumption. The following conditions are unfavourable for fuel consumption:

- High traffic density, especially in big cities with many stops for traffic lights.
- Frequent short rides with repeated starts and warm-ups of the engine.
- Riding in a column of motorcycles at low speed, meaning riding with relatively high revs.

Plan rides ahead of time in order to avoid heavy traffic.

Fuel consumption is also affected by conditions that are out of your control, for instance, poor road condition, hills, riding in winter.

Observe the following aspects for economical fuel consumption:

- The planned inspection intervals must be closely observed.
- Regular service by a specialized dealer will guarantee not only continued operability, but also economical fuel consumption, low environmental pollution and a long lifespan.
- Check the tyre pressure every two weeks.

Low tyre pressure increases rolling resistance. This increases fuel consumption and tyre wear and adversely affects riding behaviour.

- Continually check fuel consumption.
- Frequently check the engine-oil level.

RIDING INSTRUCTIONS

Running-in

Running-in instructions for engine and transmission.



CAUTION

Excessive revs while running-in the engine increases the wear of the engine. Engine faults during the running-in period must be immediately reported to a specialized dealer.



NOTE

During the running-in period, ride in frequently changing load and rpm ranges. Select winding and slightly hilly routes. Avoid constantly low rpm counts and full throttle under load.

- During the first 500 km:
Less than 1/2 throttle.

- Up to 1.000 km:
Less than 3/4 throttle.



CAUTION

The first inspection must be carried out immediately after the first 1.000 km.

You can save yourself delays by making an appointment with a specialized dealer in advance.

Running-in new tyres



CAUTION

New tyres have a smooth surface. They must therefore be roughened by carefully running them in at various slanted positions. Only then will the surface obtain its full grip!

Running-in new brake linings

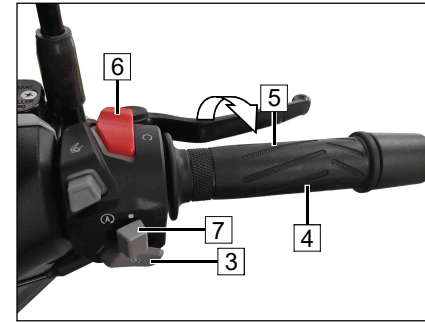
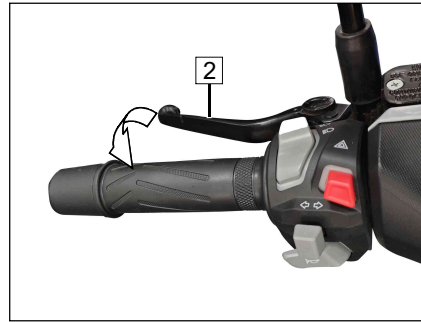
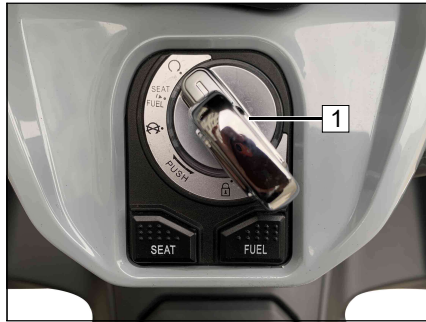


WARNING

New brake linings must be run-in and will not have their full friction power until after 500 km. The slightly reduced braking effect can be compensated for by an increase in the pressure on the brake lever. During this period, avoid unnecessary hard braking actions.

RIDING INSTRUCTIONS

Starting with the electric starter



⚠ WARNING

Propping up the scooter with the parking stand. Operate the rear handbrake lever to avoid a moving of the scooter. Avoid high engine rpm's while the vehicle is standing still, otherwise the clutch will engage.



NOTE

Every scooter is equipped with side stand switch. When the side stand is fold up, can start the engine. When the side stand is released, can't start the engine. When the key turn to "⌚" position, please wait 2-3 seconds. When the fuel pump start to work fuel in tube reach standard pressure, then turn on engine.

Before starting

- Propping up the scooter with the parking stand.
- Turn the ignition lock (1) with the ignition key to its operating position "⌚".
- side stand at horizontal position.
- Press (6) to "⌚".
- Do not open the throttle (4).
- Pull and hold the handbrake lever (2) or (5).
- Operate the start button "⌚" (3).
- Press (7) to "⌚". If the engine can not be started after the starter motor is running for, open the throttle (4) 1/8-1/4 turns and start again.
- Push the scooter off its parking stand.
- Mount the scooter.
- Release the brake before riding.



CAUTION

If the engine won't start immediately, release the start button, wait a few seconds and push it again. Each time, push the start button for just a few seconds in order to save the battery. Never push the start button for more than 10 seconds.



WARNING

Never allow the engine to run in an enclosed space. Exhaust gases are highly toxic and can kill.

Braking

Wet brakes

Washing the scooter or riding through water or rain can delay the braking effect due to wet or (in winter) ice-covered brake discs and linings.

WARNING

The brakes must first be operated until they are dry.

Salt film on the brakes

When riding on salted streets without braking for a while, the full braking effect may be delayed.

Oil and grease

WARNING

The brake discs and linings must be free of oil and grease!

If the scooter is not used for a while , a rust film may form on the brakes and thus increase the braking effect. A thick rust film can cause the brakes to lock up. When setting out on a ride after a long lay-up period, carefully operate the brakes several times until they work normally.



NOTE

Make sure you practice braking for emergency situations, but do so where you will not pose a risk to yourself or others(e.g.a deserted parking area).

WARNING

Operate the brakes to grind off the salt deposited on the brake discs.

Dirty brakes

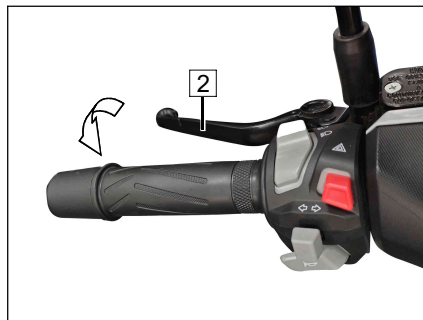
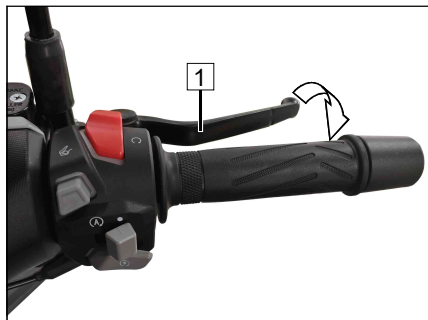
When riding on dirty streets, the braking effect can be delayed due to dirty brake discs and linings.

WARNING

Operate the brakes until they are clean. Lining wear is increased by dirty brakes!

RIDING INSTRUCTIONS

Braking



Braking

The front brake is operated via the right-hand brake lever (1) on the handlebars, and the rear brake is operated via the left-hand brake lever (2).

When stopping or slowing down, release the throttle grip and operate both brakes at the same time.

On tight curves, sandy / dirty streets, wet asphalt and icy roads, use the front brake carefully: if the front wheel locks, the bike will slide sideways. Brake with care. Locked wheels do not have much braking effect and can lead to skidding / crashing. In principle, do not brake on a curve, but before the curve. Braking on a curve increases the danger of sliding.

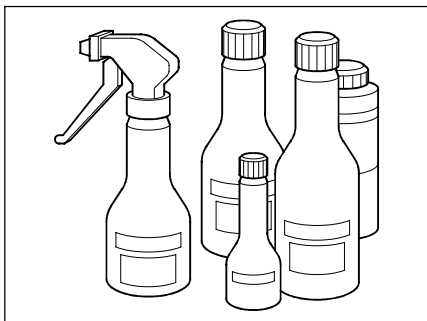
Stopping the engine



- Turn the ignition lock (3) with the ignition key to the position "OFF".
- Pull out the ignition key.
- Take away the remote control key.

SERVICE INSTRUCTIONS

Servicing the scooter / cleaning agents



PRESERVATION AGENTS

When necessary, the scooter must be preserved with commercially available preserving and cleaning agents.

- By way of precaution (especially in winter), regularly treat parts liable to corrosion with preservation agents.



CAUTION

Never use paint-polishing agents on plastic parts.

- After a longish ride, thoroughly clean the chassis and the aluminium parts and preserve them with a commercially available anti-corrosion agent.

Operation in winter and anti-corrosion protection



NOTE

Protect the environment by using only environmentally friendly preservation agents, and use them frugally.

Use of the motorcycle in the winter can cause considerable damage due to the presence of salt on the roads.



CAUTION

Do not use hot water, which would increase the effect of the salt.

- At the end of each ride, wash the motorcycle with cold water.
- Thoroughly dry the motorcycle.
- Treat parts liable to corrosion with waxborne anti-corrosion agents.

SERVICE INSTRUCTIONS

Servicing the scooter / cleaning agents



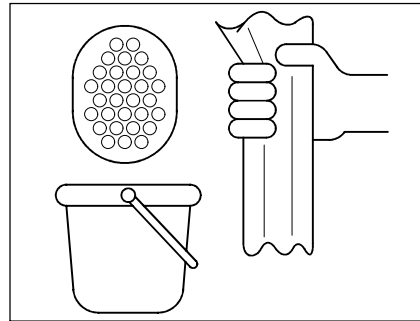
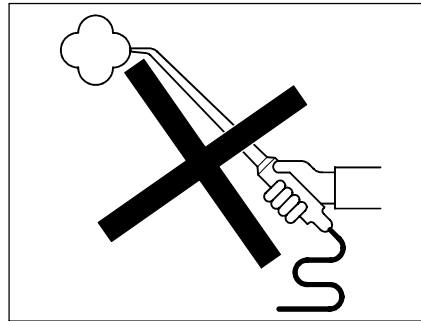
NOTE

Regular, expert service will help maintain the value of your scooter and is a condition for guarantee claims for corrosion and other such damage.



CAUTION

Rubber and plastic parts will be damaged by caustic or penetrating cleaning agents or solvents.



WARNING

Always carry out a brake test after cleaning and before starting a ride!



CAUTION

Do not use steam or high-pressure jet devices!

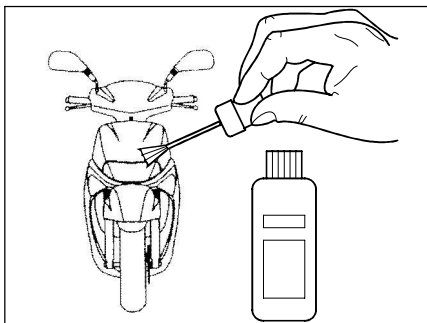
Such devices can damage seals, the hydraulic braking system and the electrical system.

CLEANING

- To wash the motorcycle, use a soft sponge and clean water.
- Afterwards, dry off with a polishing cloth or chamois.
- Do not wipe off dust or dirt with a drycloth, to avoid scratching the paint or covering.

SERVICE INSTRUCTIONS

Repairing paint damage



Minor paint damage should be immediately repaired.

Servicing tyres

If the scooter is not used for a longer period, it is recommended to support the scooter so that its weight is not on the tyres. You can prevent the tyres from becoming dry and brittle by spraying them with a silicone-rubber treatment. First thoroughly clean the tyres.

Do not store the scooter or the tyres in hot spaces (such as a boiler room) for longer periods.



WARNING

A minimum tyre-profile depth of 2.0 mm must be maintained at all times.

Lay-up / commission

Lay-up

- Clean the scooter.
- Remove the battery. Observe the maintenance instructions.
- Spray suitable lubricants onto the brake lever, clutch lever joints, the side standard and main-standard bearings.
- Rub bright / chromium-plated parts with acid-free grease (Vaseline).
- Store the scooter in a dry room and jack it up so that its weight is not on the wheels.



NOTE

Combine lay-up / commission activities with an inspection by a dealer.

Commission

- Remove the preservation agents from the outside.
- Clean the motorcycle.
- Install the charged battery.
- Preserve the battery terminals with terminal grease.
- Check / adjust the tyre pressure.
- Check the brakes.
- Carry out activities according to the inspection plan.
- Carry out the safety checks.

SERVICE INSTRUCTIONS

Technical changes, accessories and spare parts



WARNING

Technical changes to the scooter can lead to invalid warranty.

Should you want to make technical changes, observe our guidelines. This will serve to prevent the scooter from being damaged and the traffic and operational safety being retained. A specialised dealer can carry out these activities with meticulous care.

Always consult a dealer before buying accessories or making any technical changes.



CAUTION

We recommend using only approved accessories and original spare parts for our scooter.

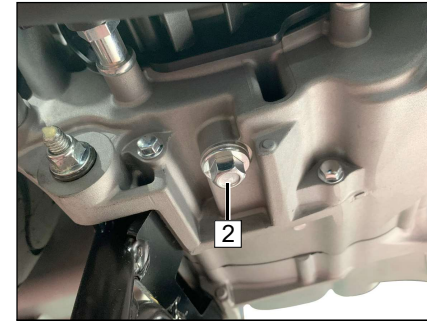
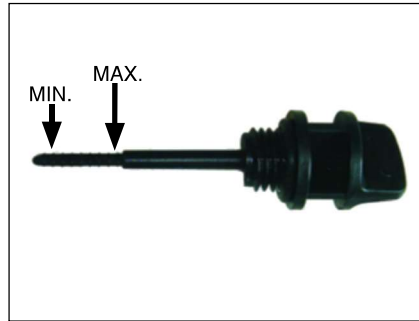
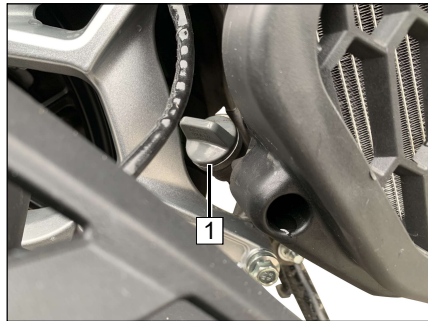
This is in your own interests : the safety, suitability and reliability of these accessories and parts will have been tested specifically for the scooter.

Although we keep track of the market, we neither can evaluate nor be held liable for the quality of non-approved accessories and parts , even if they have a certificate of acceptance from an officially recognised technical testing / supervision agency, or a license issued by the authorities.

For approved accessories and original spare parts, see a specialised dealer. He will also ensure that they are professionally installed.

NOTES ON MAINTENANCE

Engine oil



Checking the oil level



CAUTION

Checking the oil while the engine is cold will lead to a wrong measurement and therefore the wrong oil quantity. In order to avoid engine damage, neither exceed the maximum oil level nor let it drop below the minimum level.



NOTE

Make sure that the scooter during oil-level checks stands level in all respects. Even the slightest inclination towards the side will produce measurement errors.

- Stop the warmed-up engine, wait for approx. 5 minutes and hold the scooter up-right.
- Keep the scooter vertical with two wheels on the ground.
- Stop the engine and remove the oil filler cap (1) on the lower right of the crank-case.
- Clean the oil filler cap at the MIN-MAX area with a clean rag.



CAUTION

For checking the oil level only insert the oil filler cap and don't screw in! Otherwise there will be a wrong measurement in order to avoid engine damage.

- The oil level must be between the minimum and maximum marks.
- Tighten the oil filler cap by hand.

If required, replenish the engine oil SAE 15 W/40 via the oil level up to the MAX level mark.

- When change new engine oil, open the oil hole screw (2), till all engine oil is flow out, then tighten the screw (2) and add new oil until the oil level up to the MAX. level mark.
- Tighten the oil filler cap (1).

NOTES ON MAINTENANCE

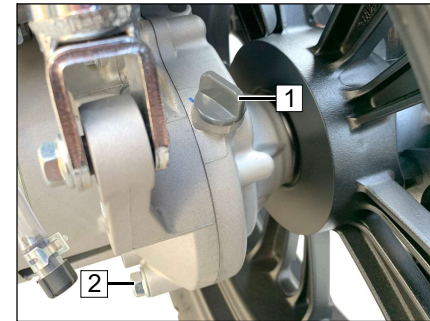
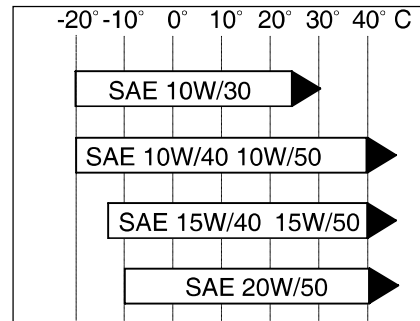
Engine oil



CAUTION

Use a suitable, light engine oil for scooters, such as Motorex SL 10W/50.

- If required, replenish the engine oil (for classification and viscosity, see the table) via the oil-filler opening up to the maximum level marking.



Recommended grade:

Per API: SL or higher or also with additional release status: ACEA A3/96 (CCMC G5)

Recommended viscosity:

Viscosity depends on the outside temperature. For short while, the temperature may exceed or fall short of the limits of the SAE grades.

The recommended viscosity grade SL 10W/40 covers the ambient temperature range -20°C to +40°C.

Checking the transmission oil level

- Stop the warmed-up engine, wait for approx. 5 minutes.
- Propping up the scooter on the parking stand.
- Remove the oil filler screw (1) and check if the oil level is below the oil-filler opening.
- If required, replenish transmission oil Hypoid SAE 80W-90 via the oil-filler opening.
- When change new transmission oil, open the oil hole screw (2), drain all transmission oil, then tighten the screw (2) and add new oil via the oil-filler opening.
- Tighten the oil filler screw (1).

NOTES ON MAINTENANCE

Checking the steering bearings



NOTE

The telescopic fork should not jam up when turned and it should swing back lightly to both end positions.

- Pull the hand brake to block the front wheel brake.
- Hold the handlebar with both hands and try to move the handle bar(1)back and forth.

If the fork column bearing shows noticeable play, it must be adjusted by a specialised dealer.

Checking the telescopic fork

- Pull the hand brake to block the front wheel brake.
- Now pump the fork girders several times up and down using the handlebar.
- The suspension should respond perfectly.
- Check the fork girders for oil leaks.

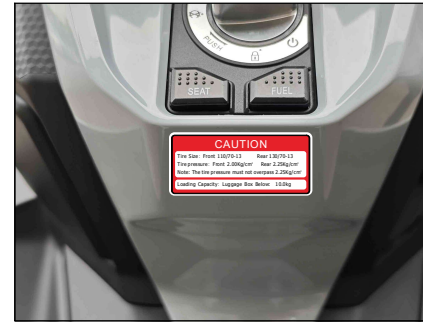
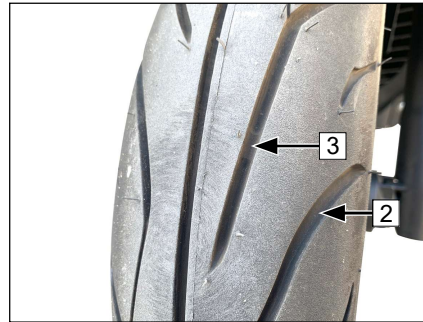
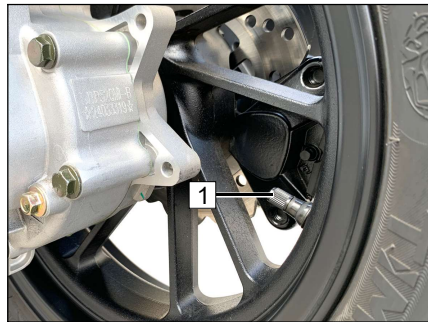


NOTE

If damage to the telescopic fork or the spring strut is found have the motorbike examined by a professional dealer.

NOTES ON MAINTENANCE

Tyre profile



Checking the tyre profiles

WARNING

Observe the minimum profile depth prescribed by law.
Never ride without valve caps(1) . Firmly tightened valve caps prevent the tyre from suddenly losing pressure.

- Measure the profile depth at the centre (2) of the tyre's tread.
- Recommended minimum profile depth:
2.0 mm
- Observe the wear marks(3).

Checking the tyre pressure

WARNING

Adjust the tyre pressure according to the total weight load. Never exceed the rated total weight or the bearing capacity of the tyres.
Incorrect tyre pressure will have a considerable effect on the riding properties of the scooter and the lifespan of the tyres.

- While the tyres are cold:
- Twist off the valve caps.
- Check / adjust the tyre pressure.
- Twist on the valve caps.

Tyre pressure
Front: 2.00Kg/cm² Rear: 2.25Kg/cm²

Tyre size

The standard scooter is provided with the following tyre sizes:

Front	110/80-14
Rear	120/70-14

All Tyres are tubeless.

WARNING

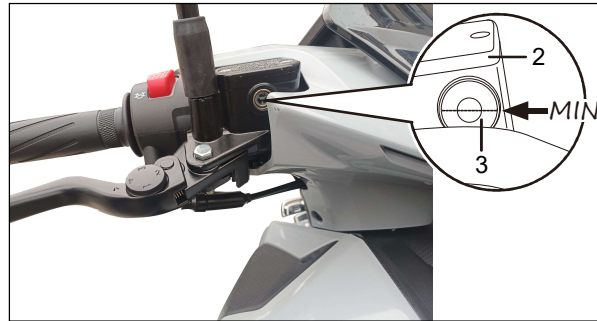
Use only tyres approved by the manufacturer. The use of non-approved tyre brands, types or sizes leads to the operating permit of the vehicle becoming null and void. Use only pairs of tyres produced by the same manufacturer.

NOTES ON MAINTENANCE

Front wheel brake



Front brake-fluid tank



WARNING

Sudden changes in play or a spongy feel of the brake lever (1) can be caused by faults in the hydraulic system. Do not ride on when in doubt about the operability of the brake system. Immediately consult a dealer.

Checking the brake-fluid level

WARNING

Every two years, the brake fluid must be changed by a dealer. The level must not drop below the MIN mark. Use only brake fluid of the DOT 4 classification.



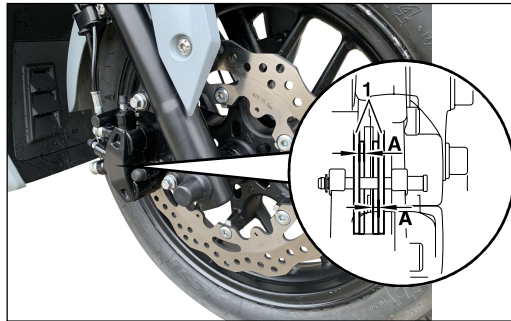
CAUTION

Do not spill any brake fluid on painted or plastic surfaces as it will damage the surface severely.

- Turn the handlebars until the brake-fluid tank (2) is level.
- The brake fluid level (3) should be between the minimum (MIN) and the maximum marking (MAX).
- If air bubbles can be seen, check the brake linings for wear; if necessary, replenish the brake fluid by a dealer.

NOTES ON MAINTENANCE

Front wheel brake



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained



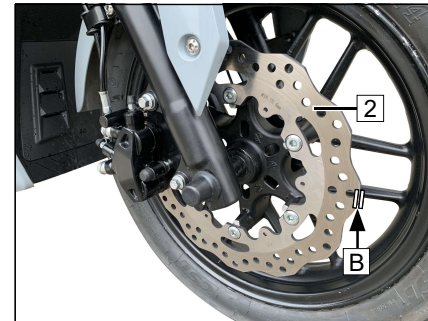
NOTE

For your own safety, we recommend having activities to the brake system carried out by a dealer.

- Check the thickness of the brake lining.

Minimum thickness: **A = 2.0 mm**

- If the lining thickness is below the minimum, **have the brake lining (1) replaced by a dealer.**



Checking the disc brake

- Visually inspect the disc (2).

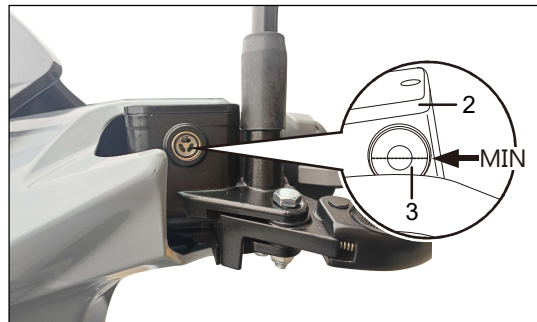
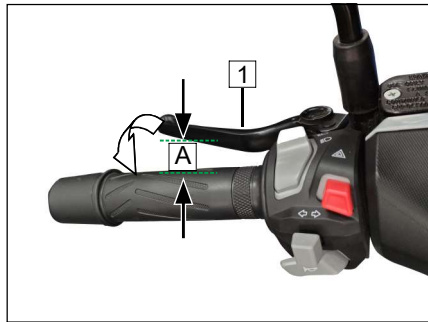
- Check the thickness of the disc.

Minimum thickness: **B = 3.0 mm**

- If the disc thickness is below the minimum, **have the disc (2) replaced by a dealer.**

NOTES ON MAINTENANCE

Rear wheel brake(For disk brake)



WARNING

Sudden changes in play or a spongy feel of the brake lever (1) can be caused by faults in the hydraulic system. Do not ride on when in doubt about the operability of the brake system. Immediately consult a dealer.

Checking the brake-fluid level

WARNING

Every two years, the brake fluid must be changed by a dealer. The level must not drop below the MIN mark. Use only brake fluid of the DOT 4 classification.



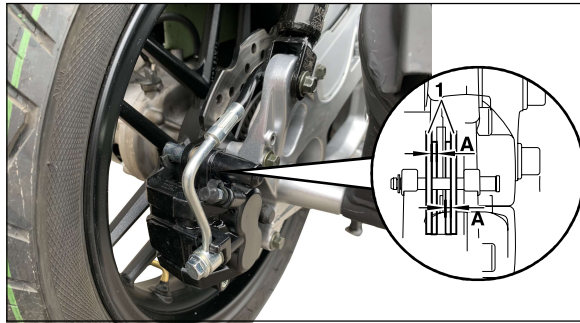
CAUTION

Do not spill any brake fluid on painted or plastic surfaces as it will damage the surface severely.

- Turn the handlebars until the brake-fluid tank (2) is level.
- The brake fluid level (3) should be between the minimum (MIN) and the maximum marking (MAX).
- If air bubbles can be seen, check the brake linings for wear; if necessary, replenish the brake fluid by a dealer.

NOTES ON MAINTENANCE

Rear wheel brake



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained



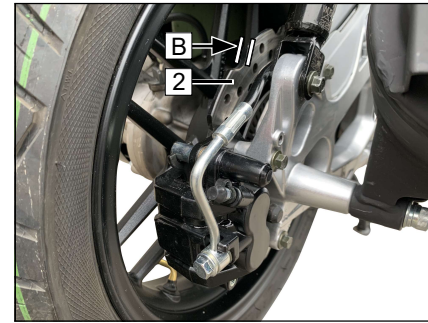
NOTE

For your own safety, we recommend having activities to the brake system carried out by a dealer.

- Check the thickness of the brake lining.

Minimum thickness: **A = 2.0 mm**

- If the lining thickness is below the minimum, **have the brake lining (1) replaced by a dealer.**



Checking the disc brake

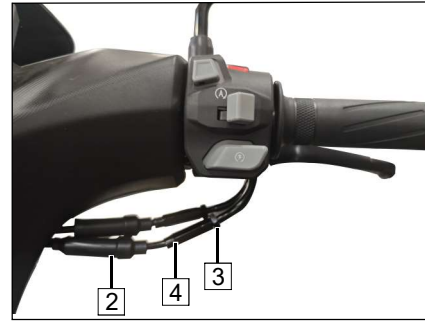
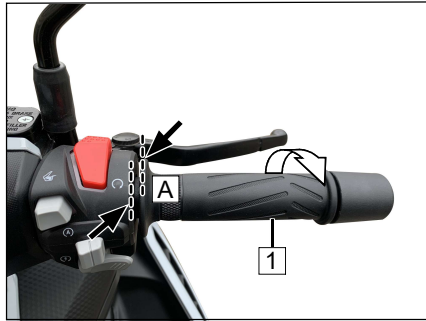
- Visually inspect the disc (2).

- Check the thickness of the disc.

Minimum thickness: **B = 4.0 mm**

- If the disc thickness is below the minimum, **have the disc (2) replaced by a dealer.**

Adjusting the play of the twist grip throttle control



Check:

- Check the throttle cable for light movement by turning the twist grip (1) from closed to open position.
- Move the handlebar to check whether the throttle cable moves freely.
- Check whether the throttle cable is obstructed by other parts.
- Open the twist grip throttle control until resistance can be felt.
- Measure the play.

Nominal value: **A = 1-2 mm**

Adjustment:

- Push over the protective cap (2).
- Slacken the lock nut (3) on the handlebar.
- Turn the setscrew (4) accordingly.
- Tighten the lock nut (3).
- Check the clearance (A).
- Push back the protective cap (2).

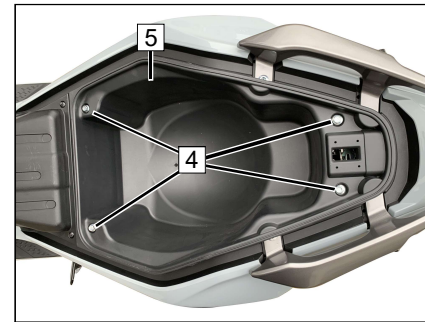
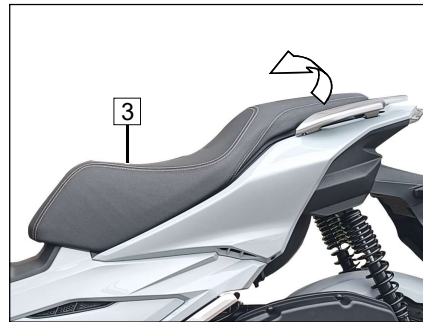


NOTE

If the play cannot be corrected this way, have the scooter checked by your dealer.

NOTES ON MAINTENANCE

Cleaning the air filter



Check and change



NOTE

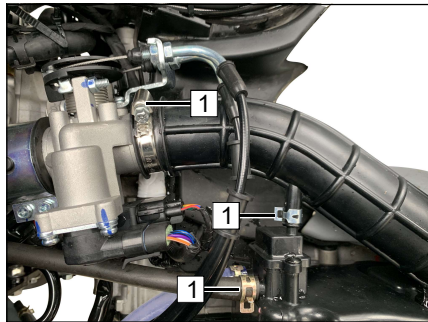
Check or change the spark plug only when the engine is cold.

- Turn ignition switch to "SEAT FUEL" (1), press button "SEAT"(2), open the luggage box (3).

- Remove six nuts (4) with washers from the storage.
- Take off the storage (5) with the seat.

NOTES ON MAINTENANCE

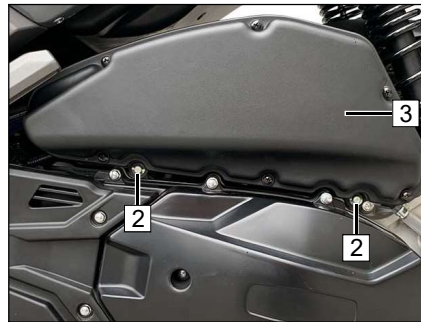
Cleaning the air filter



NOTE

Disassembly and cleaning

- Remove the clamp(1)
- Remove the screws (2) and take off the air filter (3).



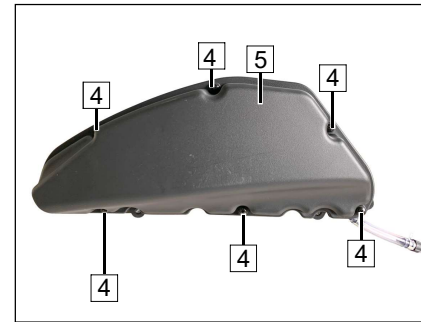
NOTE

The scooter is attached with an air filter. In case of heavy dirtiness the paper filter element (7) has to be replaced.

Disassembly and cleaning

- Use cross screws (4) and take off the air air filter cover (5).
- Remove the screws (6) and take off the paper filter element (7).
- Dust out the paper filter and clean with air pressure or renew if necessary.

Replacing the air filter



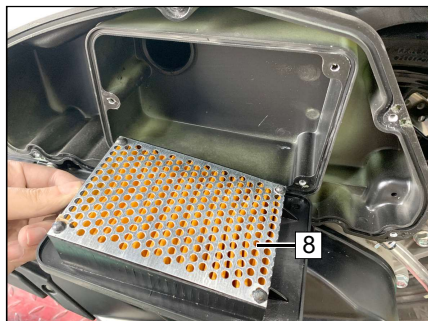
Installation

NOTE

- Usually the installation takes place in reverse order to disassembly.

NOTES ON MAINTENANCE

Cleaning the air filter



- Take off the paper filter element (8).
- Dust out the paper filter and clean with air pressure or renew if necessary.

Installation



NOTE

- Usually the installation takes place in reverse order to disassembly.



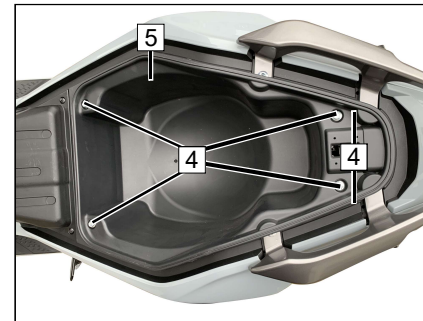
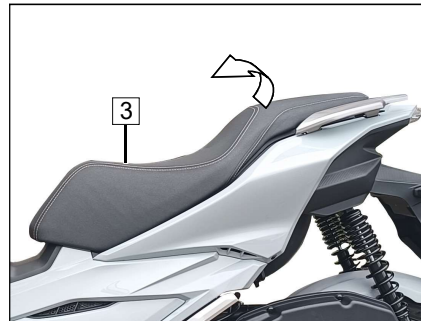
CAUTION

Never run the engine without air filter.

- Dust deposit is one of the major causes of reducing output horsepower and increasing fuel consumption.
- Change the air cleaner element more frequently to prolong the engine's service life if the scooter is ride on dusty roads very often.
- Check for properly installation of the foam housing in the filter case.
- Otherwise the engine runs poorly or lead to serious engine damage.
- Be careful not to soak the air cleaner when washing the scooter. Otherwise it will cause engine hard to start.

NOTES ON MAINTENANCE

Checking the spark plug



Check and change



CAUTION

Check or change the spark plug only when the engine is cold.

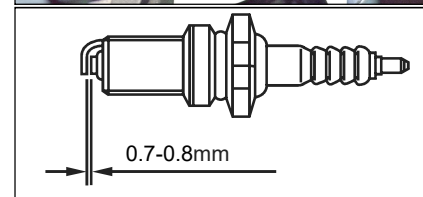
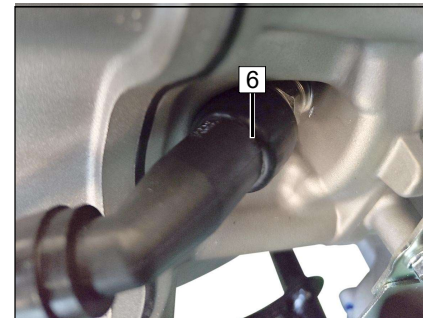
- Turn ignition switch to "SEAT FUEL" (1), press button "SEAT"(2), open the luggage box (3).
- Remove six bolts (4) from the storage.
- Take off the storage (5) with the seat.
- Pull the spark plug connector (6).
- Unscrew the spark plug with the spark wrench from the on-board toolkit.

- Check the electrode gap (0.7-0.8mm) replace the spark plug if it is severely burnt away.

- Use a new spark plug CPR8EA-9 and tighten up.
- Screw in the spark plug by hand and then tighten up with the spark wrench.

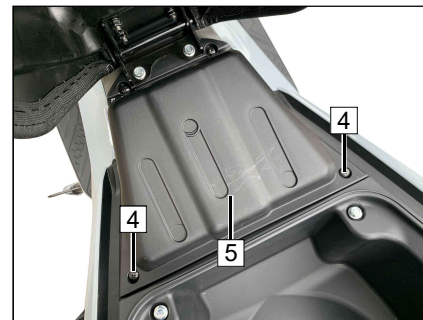
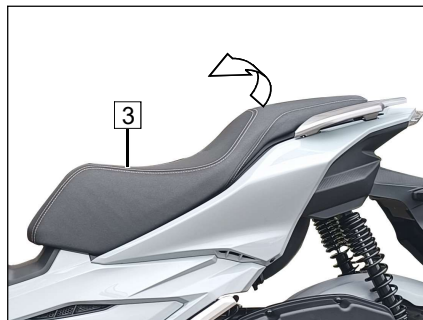
Torque 11 Nm.

Installation takes place in reverse order to disassembly.



NOTES ON MAINTENANCE

Checking the fuse



CAUTION

Never install a fuse with a larger rating, since this could destroy the entire electrical system.

The fuse is located behind the inspection cover.

- Turn ignition switch to "SEAT FUEL" (1), press button "SEAT"(2), open the luggage box (3).
- Remove the two screw (4) and open the battery cover (5).
- Open the fuse case (6) and remove the fuse.
- A faulty or blown fuse must be replaced by a new one with corresponding specification.



- Check the fuse for correct contact. Loose fuse will blow.

Installation takes place in reverse order to disassembly.

NOTES ON MAINTENANCE

Battery

WARNING

**Always wear safety glasses.
Keep children away from acids and batteries.**

EXPLOSION DANGER

A battery being charged produces a highly explosive gas, which is why fire, sparks, naked flames and smoking are prohibited.

FIRE HAZARD

Avoid generating sparks and electrostatic discharges when handling cables and electrical devices.
Avoid short circuits.

DANGER-CAUSTIC ACTION

**Battery acid is highly caustic, so always wear safety gloves and glasses.
Do not tilt the battery as acid can leak from the ventilation openings.**

FIRST AID

If acid comes into contact with an eye, immediately flush the eye for several minutes with fresh water. Then immediately visit / call a doctor.

Acid on the skin or clothing must immediately be neutralised using acid converter or soap suds, and the spots must be flushed with plenty of water.

If acid is swallowed, immediately visit / call a doctor.

CAUTION

**Do not expose batteries to direct sunlight. Discharged batteries can freeze, so they must be stored in a place where the temperature remains above 5-15°C.
Professional maintenance, charging and storage will increase the lifespan of the battery.**

WARNING

Take a dead battery to a collection point.
Never dispose of one with household refuse.

Charging the battery

After a long lay-up(3-4 months), charge the battery. The charging current (in amperes) must not exceed 1/10th of the battery capacity (Ah).

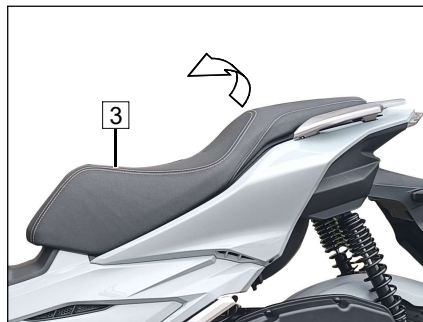
The battery must not be fast-charged. The battery may only be charged using a special charger approved for maintenance-free batteries.

Maintenance

Although the battery is maintenance-free. Never leave the battery discharged. Keep the battery clean and dry and make sure that the connection terminals are firmly seated.

NOTES ON MAINTENANCE

Removing and installing the battery



CAUTION

The battery may only be connected or disconnected while the ignition is inactive.

First disconnect the negative terminal (6, black cable).

Then disconnect the positive terminal (7, red cable).

When installing the battery, first connect the positive terminal (7, red cable).

The battery is maintenance-free. Do not try to open it.

- Turn ignition switch to "SEAT FUEL" (1), press button "SEAT"(2), open the luggage box (3).

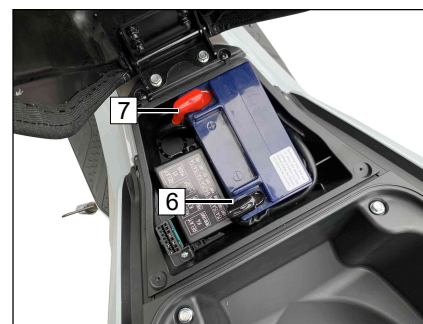
- Remove the two screw (4).

- Open the inspection cover(5).

- Disconnect the battery.

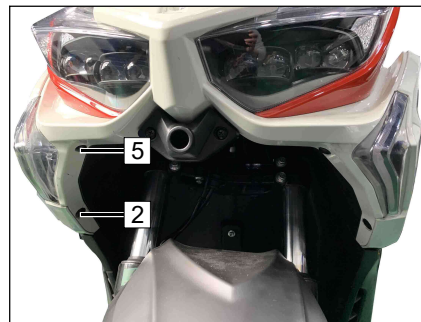
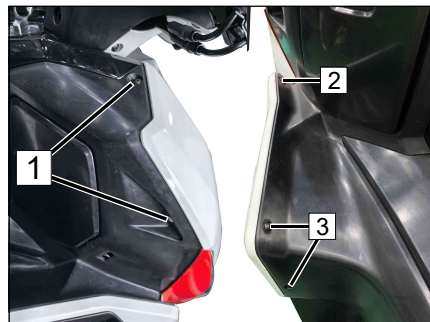
- Remove the battery.

Installation takes place in reverse order to disassembly.



NOTES ON MAINTENANCE

Headlight/position light/Front direction indicator



Changing the bulb



NOTE

Use only tested, genuine bulbs from the manufacturer.
Do not touch the bulbs with bare fingers. Hold bulbs with a clean, dry cloth when installing or removing them.

Low beam-high beam

bulb: LED 12V 18.5W / LED 12V 24W

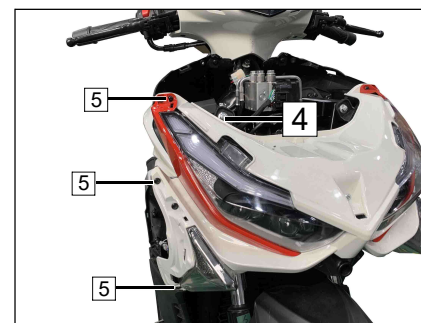
Position light

bulb: LED 12V 3.6W

Front direction indicator

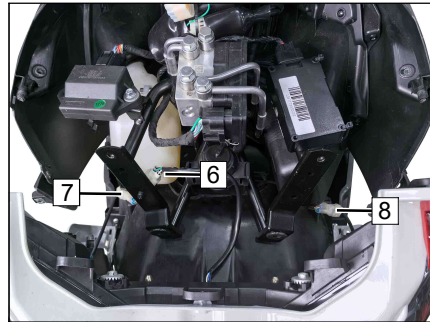
bulb: LED 12V 2.5W

- Turn off the ignition.
- Remove the screws (1), remove the expansion screw (2).
- Remove the screws (3), remove the screws (4).
- Remove screws (5)

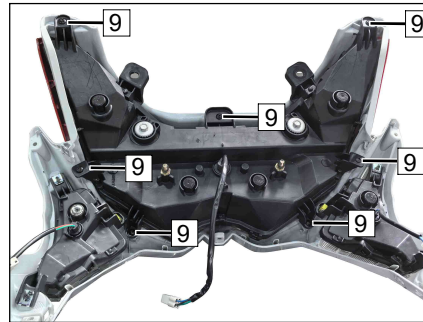


NOTES ON MAINTENANCE

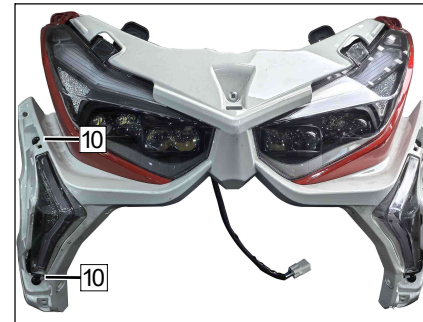
Headlight/position light/Front direction indicator



- unplug the headlight connectors (6) Remove screws (9), remove headlight.



- unplug the left and right front turn lights connectors (7)(8), Remove screws (10), change the front left turn light (orange wire) and front right turn light (blue wire).

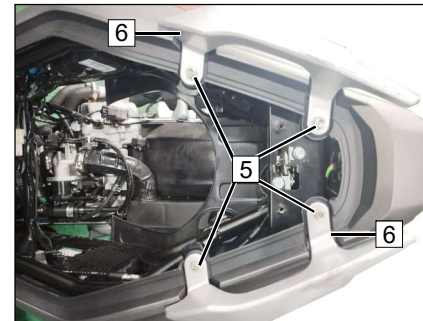
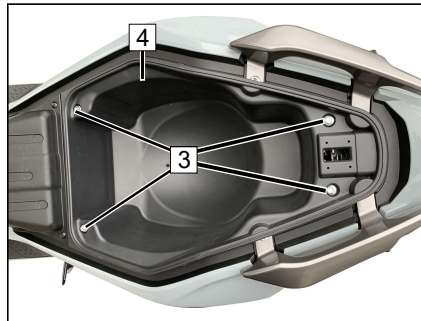


- Installation takes place in reverse order to disassembly.

- The left and right front turn lights are LED light source and need to be replaced as a whole.

NOTES ON MAINTENANCE

Rear direction indicator/tail/brake lamp/rear registration plate lamp



Changing the lamp



NOTE

Do not touch the bulbs with bare fingers.
Hold bulbs with a clean, dry cloth when
installing or removing them.

- The rear direction indicator/tail/brake lamp
is LED.

Please change the whole lamp.

Rear direction indicator/tail/brake lamp

bulbs: **LED 12V 1.44W/0.7W/6W**

rear registration plate lamp

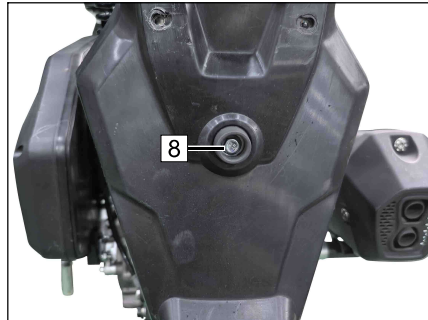
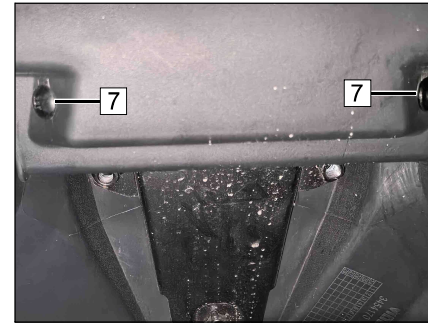
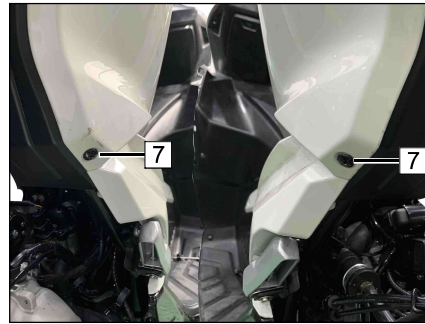
bulbs: **LED 12V 0.7W**

- Turn ignition switch to "SEAT FUEL" (1),
press button "SEAT"(2), open the seat .
- Remove screws (3), take out the luggage
box (4).

- Remove socket head cap screws (5), take
out the rear armrests (6).

NOTES ON MAINTENANCE

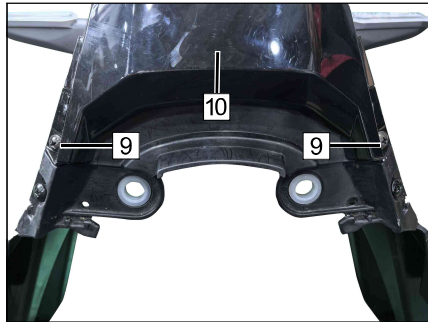
Rear direction indicator/tail/brake lamp/rear registration plate lamp



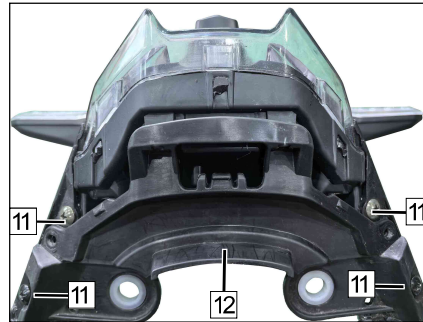
- Remove screws (7) and screws (8), take out the rear side covers.

NOTES ON MAINTENANCE

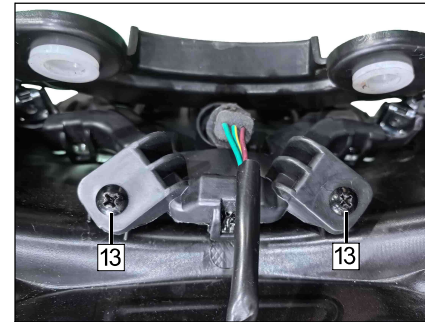
Rear direction indicator/tail/brake lamp/rear registration plate lamp



- remove the screws(9),remove the rear center cover(10),



- remove the screws(11),remove the back of glove box(12)change the taillight.

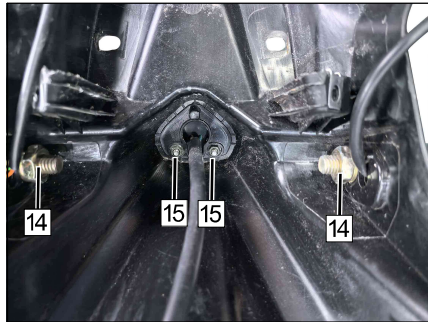


- The light source of taillight and license plate light is LED and need to be replaced as a whole.

Installation takes place in reverse order to disassembly.

NOTES ON MAINTENANCE

Rear direction indicator/tail/brake lamp/rear registration plate lamp



- remove the nut (14) to replace the left and right rear turn signals.

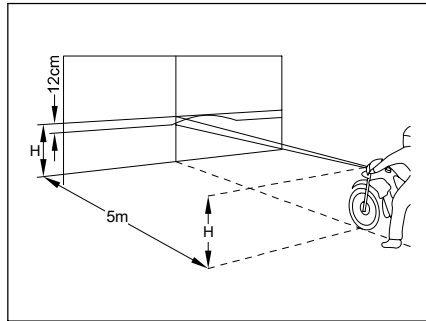


- remove the nut (15) remove the screw (16), to replace the rear license light.

- The light source of taillight and license plate light is LED and need to be replaced as a whole.

Installation takes place in reverse order to disassembly.

Check the headlamps

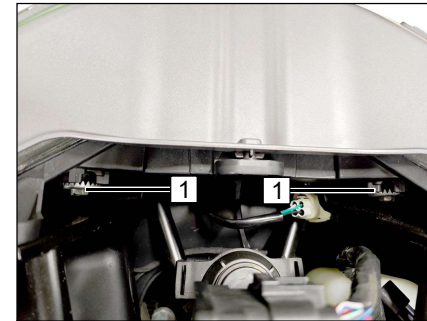
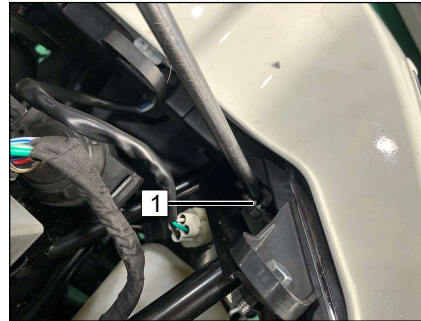


⚠ WARNING
Do not run the engine in an enclosed space (risk of asphyxiation).

Position the motorcycle on a level floor 5 m (measured from the headlamp) from a light coloured wall with a rider seated on the motorcycle and the tyres filled at the correct pressure.

- Measure the distance from the floor to the centre of the headlamp and mark the height on the wall with a cross. Draw a second cross 12 cm beneath the first cross.

Adjusting the headlamps



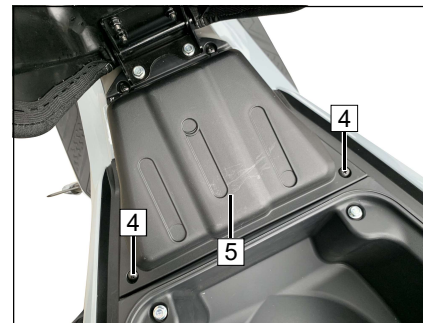
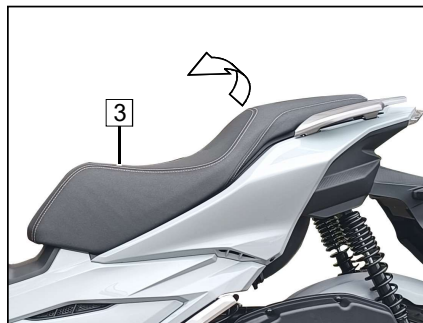
- Start the scooter and run the engine.
- Activate the dipped beam.
- Use the knob (shown in 1, The headlights have two 1s and are symmetrical on both sides) to adjust the light vertically. Turn clockwise to raise the light height, counter clockwise to lower it.

NOTE

If you have problems adjusting the headlamps, see a specialised dealer. An incorrect adjustment is punishable by law. Remember, you are responsible for the correct adjustment of the motorbike's headlamp.

NOTES ON MAINTENANCE

Fault diagnosis tester



1. Turn ignition switch to "SEAT FUEL" (1), press button "SEAT"(2), open the luggage box (3).

2. Remove the two screws (4), Open the inspection cover(5).

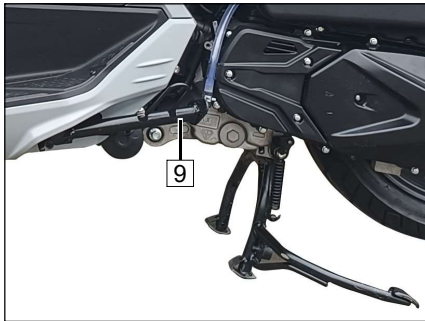


3. Fault diagnosis tester connector (6).

4. Right switch(7) at "  "position.

5. The ignition key(8) at "  "position.

Fault diagnosis tester



7. Side stand (9) at horizontal position.

4. Fault diagnosis tester (10).

WARNING

When connect the fault diagnosis tester, right switch(7), ignition key(8) must be at " " position,side stand (9) at horizontal position.

TECHNICAL DATA

	LJ125T-20
Engine type	VICIP52MJ-2
Construction:	One cylinder 4-stroke petrol engine
Piston displacement:	124.9cm ³
Bore:	φ 52.4mm
Stroke:	57.9mm
Compression ratio:	11.5:1
Cooling:	water- cooling
Maximum net power output:	8.3 kW at 8500rpm
Maximum net torque:	11.2Nm at 6500rpm
Fuel consumption:	2.8 L/100km
CO ₂ emissions:	65 g/km
Ignition system:	Transistorized ignition system with electronic ignition control (ECU)
Spark plug:	CPR8EA-9
Electrode gap:	0.7-0.8 mm
Fuel supply:	EFI
Idle speed:	1700±170 r/min
Air-filter:	Element air-cleaner
Type of starter:	Electric starter

TECHNICAL DATA

	LJ125T-20
Power transmission	
Clutch:	Dry centrifugal type
Transmission:	CVT
Chassis	
Scooter version:	LJ125T-20
Front suspension:	Telescopic fork
Rear suspension:	Hydraulic damping shock absorption
Wheels front:	Light metal (Alu) MT 2.50×14 or MT 2.5×14
Wheels rear:	Light metal (Alu) MT 3.50×14 or MT 3.5×14
Tires front:	110/80-14 M/C 48P or 48S or 55L tubeless
Tires rear:	120/70-14 M/C 57S or 63S or 63P tubeless
Tire pressure:	Front: 2.00Kg/cm ² Rear: 2.25Kg/cm ²
Brakes, front:	Disc brake ϕ 260 mm,hydraulic
Brakes, rear:	Disc brake ϕ 240 mm, hydraulic

TECHNICAL DATA

	LJ125T-20
Lubricants and operating fluids	
Fuel tank capacity:	11.8±0.1 Liter
Fuel:	Unleaded fuel min. 92 Octane
Engine oil:	SL 15W/40 grade or above
Filling quantity:	1.3±0.05 litres
Transmission oil:	Hypoid-oil SAE 85W-140 or SAE 80W-90 GI5
Filling quantity:	0.12 litres
Electrical Equipment	
Generator:	12V 90W
Battery:	12V 12Ah
Fuse:	5A/10A/15A/20A/25A
Head light:	Dipped beam/High beam 12V 18.5W/24W
Position light:	12V 3.6W
Instrument lights Speedometer:	12V 3W
Control lights indicator and high beam:	12V 3W
Brake/rear light:	LED 12V 6W/0.7W
Front turn signal light:	12V 2.5W
Rear turn signal light:	LED 12V 1.44W

TECHNICAL DATA

	LJ125T-20
Dimensions and weights	
Overall length:	1970 mm
Width across handlebars:	740 mm without rear view mirror
Maximum height:	1170 mm
Wheel base:	1400 mm
Seat height:	780 mm
Dry weight:	135kg
Curb weight:	146 kg
Max. permitted total weight:	306 kg
Top speed:	70 km/h

WARRANTY

Warranty conditions

In case of an occurring fault we will provide the customer with the following performances through the authorized dealer (seller) within the scope of its statutory warranty obligations:

1. Within warranty period, we will rectify any deficiencies caused by material or manufacturing faults through the authorized dealer (seller) by repairing or replacing the affected part according to the statutory warranty regulations. We may deny the requested repair or replacement of the faulty part if this would only be possible with disproportionately high costs. In this case we rectify the deficiency through the authorized dealer (seller) by applying the other possible type of subsequent fulfillment. If both types of subsequent fulfillment are only possible with unproportionately

high costs, we deny the subsequent fulfillment all-together through the authorized dealer (seller). The customer is then entitled to legal claims. Replaced parts pass over into the possession of us.

2. The installation of spare parts within the scope of warranty does not extend the warranty period.

3. The warranty does not cover normal wear and tear caused by normal use as well as wear and tear caused by inappropriate handling and inappropriate use. Oxidation and corrosion are caused by environmental influences and are also not covered under warranty.

4. Warranty claims lodged by the customer will be rejected in case of: Manipulations to the motorcycle, installation of a different exhaust system, changes to the gearbox or secondary transmission ratio and

installation of accessories or spare parts which have not been approved by us. Repairs carried out in workshops not authorized by us and the non-compliance with the maintenance intervals in the workshop of an authorized dealer will also cause the rejection of warranty claims.

5. When submit a warranty claim the customer must present the correctly filled in service book to the seller.

6. The following table gives the customer an overview of the average limits of the respective wear parts.

WARRANTY

List of wear parts

Wear parts	Wear limits
Tires, houses, rims	Depending on riding style, load and tire pressure the wear limit may already be reached after only 500 km or even earlier.
Wheels, hubs	Depending on riding style, load and tire pressure the wear limit may already be reached after only 1500 km or even earlier. Check during each maintenance. Oxidation is a lack of maintenance!
Oils, air filter, leakage inspection on engine	During the first inspection, then with every maintenance interval(every 3000 km/6000 km). Check oil level before every ride.
Spring fork, spring strut	Cleaning / inspection during every maintenance.
Lamps, incandescent bulbs, electric system	Depending on road conditions / unevenness of the road surface the lifetime will be reduced, this may already occur after 500 km.
Brake linings, brake shoes, brake lines	Depending on riding style and load these may already be worn after 1500 km, in cross-country operation even earlier.
Rings, sealants, O-rings	Inspection during every maintenance and replace if necessary.
Radial seals on engine, gearbox, fork and wheels	Depending on road conditions and care wear may start after 500 km. Dirt reduces the lifetime. Do not clean with a high pressure cleaner!
Wheel bearings, steering bearings	Depending on road conditions and care wear may start after 1500 km. Soiling of the wheel hub reduces the lifetime. Check during each maintenance interval, do not clean with a high pressure cleaner!
Swing arm bearing	Depending on load and care after 1500 km, check with every maintenance.
Cables	Depending on care starting after 500 km. Check with every maintenance.
Coverings	Plastic parts will be damaged by caustic or penetrating cleaning agents or solvents.

WARRANTY

List of wear parts

Wear parts	Wear limits
Air cleaner, oil filter	With each maintenance interval.
Starter battery, batteries, fuses, starter brushes	Depending on ambient temperatures failures can be expected in the 6th month, when used for short rides even earlier.
Mirror glasses	Depending on ambient temperatures and care failures can be expected in the 6th month, in winter operation even earlier. Oxidation is a lack of maintenance!
Bowden cables, brake cables, throttle cables	Depending on use and care from the 6th month
Self-locking nuts, cotter pins locking plates bonded screw connections	During each maintenance interval or after unscrewing the nut or unlocking the lock.
Variomatic, CVT, rolls, belts	Depending on riding style and load these may be worn after 500 km.
Clutch linings / friction discs	Depending on riding style and load these may be worn after 500 km.
Pistons, cylinders, crankshaft, conrods, engine bearings	Depending on riding style, load and care these parts may be worn after 200 hours. When riding mainly with full throttle even earlier.
Spark plug	With each or every second maintenance interval.
Exhaust system, inspection of mountings	Depending on use and care from the 6th month, in winter and short distance operation even earlier. Oxidation is a lack of maintenance!

INSPECTION PLAN

Please observe the following:

- During and after the warranty period all inspections should solely be performed by a specialised dealer approved by us.
- Observe the inspection intervals and have the specialised dealer confirm them on the guarantee certificate.
- Use only original spare parts.



CAUTION

In case of non-compliance, the warranty will become null and void.

The various activities carried out are listed on the inspection plan.

During the warranty period the following inspection intervals must be complied with:

At 1.000 km (1st service)
Every 3.000 km / or after 6 months
Every 6.000 km / or after 12 months

After the warranty period the inspection intervals specified in this manual must be applied as follows:

Every 3.000 km / 6 months
Every 6.000 km / 12 months



WARNING

For safety reasons, do not carry out any repair or adjustment activities to the scooter and chassis that exceed a closely restricted scope. Tinkering with safety-relevant parts could threaten the safety of yourself and third parties.

This applied especially to the exhaust system, carburettor, ignition system, fork column, brake system and lights.

Before starting work on the electrical system, disconnect the minus terminal of the battery.

INSPECTION PLAN

I = Inspektion, cleaning, and adjustment R = Replacement C = Cleaning (replaced if necessary) S = Lubrication						
Component Assembly	Before each trip	1 st service after 300 km	Every 1.000 km / 1 months	Every 3.000 km / 3 months	Every 6.000 km / 6 months	Every 12.000 km / 12 months
Air cleaner foam	I	I		C	C	R
Oil filter (screen)		C			C	C
Engine oil	I	R	Every 1000km R			
Fuel filter	I	I			I	R
Spark plug	I	I	I	I		R
Ignition time		I	I	I		
Valve clearance		I	I		I	
Compression check				I		
Carburetor (Idle speed)	I	I	I	I		
Throttle cable adjustment	I	I	I	I		
Transmission oil	I	A	A	I	R	
Transmission check for leakage	I	I	I	I		
Crankcase check for leakage	I	I	I	I		
Crankcase ventilation		I	I	I		
Driving belt, tight weight				I	I/R	
Clutch discs				I	I/R	

INSPECTION PLAN

I = Inspektion, cleaning, and adjustment R = Replacement C = Cleaning (replaced if necessary) S = Lubrication						
Component Assembly	Before each trip	1 st service after 300 km	Every 1.000 km / 3 months	Every 3.000 km / 3 months	Every 6.000 km / 6 months	Every 12.000 km / 12 months
Bolts and nuts (engine)	I	I	I	I		
Compression teat				I		
Exhaust system		I	I	I		
Fuel tank, fuel hoses	I	I	I	I		
Battery	I	I	I	I		
Stearing and bearings	I	I	I	I		
Front and rear suspension	I	I	I		I	
Shock absorption	I	I	I		I	
Tire pressure	I	I	I	I		
Brake function, brake pads	I	I	I	I		
Brake fluid	I	I	I	I		R / every 2 year
Main-and side stand	I	I	I	I/S		
Bolts and nuts (chassis)	I	I	I	I		

MAINTENANCE CONFIRMATION

1.000 km/1 months 1st service dealer stamp: km..... date.....	After 3.000 km/6 months dealer stamp: km..... date.....	After 6.000 km/12 months dealer stamp: km..... date.....	After 9.000 km/18 months dealer stamp: km..... date.....
After 12.000 km/24 months dealer stamp: km..... date.....	After 15.000 km/30 months dealer stamp: km..... date.....	After 18.000 km/36 months dealer stamp: km..... date.....	After 21.000 km/42 months dealer stamp: km..... date.....

MAINTENANCE CONFIRMATION

New brake fluid
Yes no

km.....
date.....

Stamp, signature

New brake fluid
Yes no

km.....
date.....

Stamp, signature

New brake fluid
Yes no

km.....
date.....

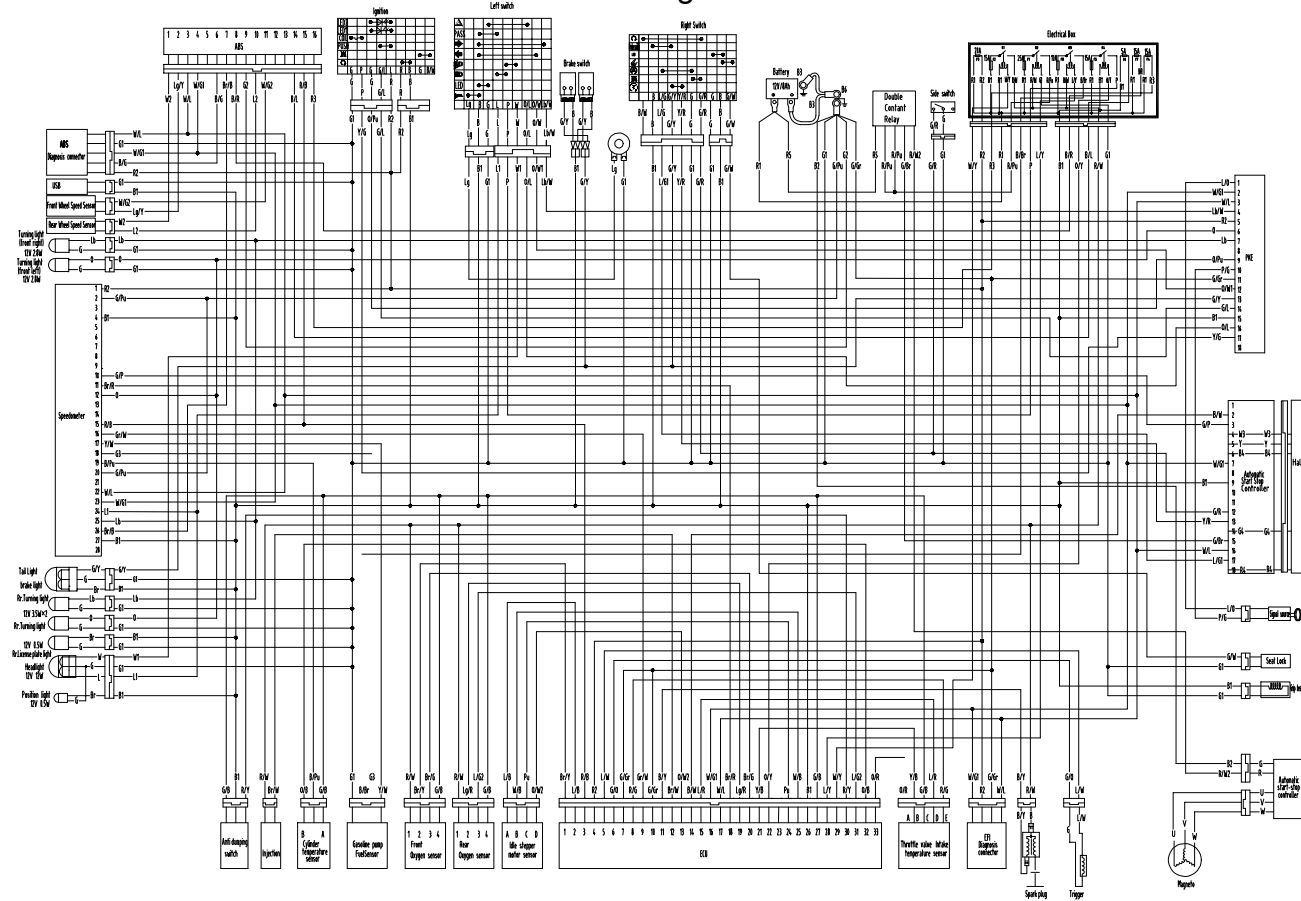
Stamp, signature

New brake fluid
Yes no

km.....
date.....

Stamp, signature

Circuit diagram



Circuit diagram

