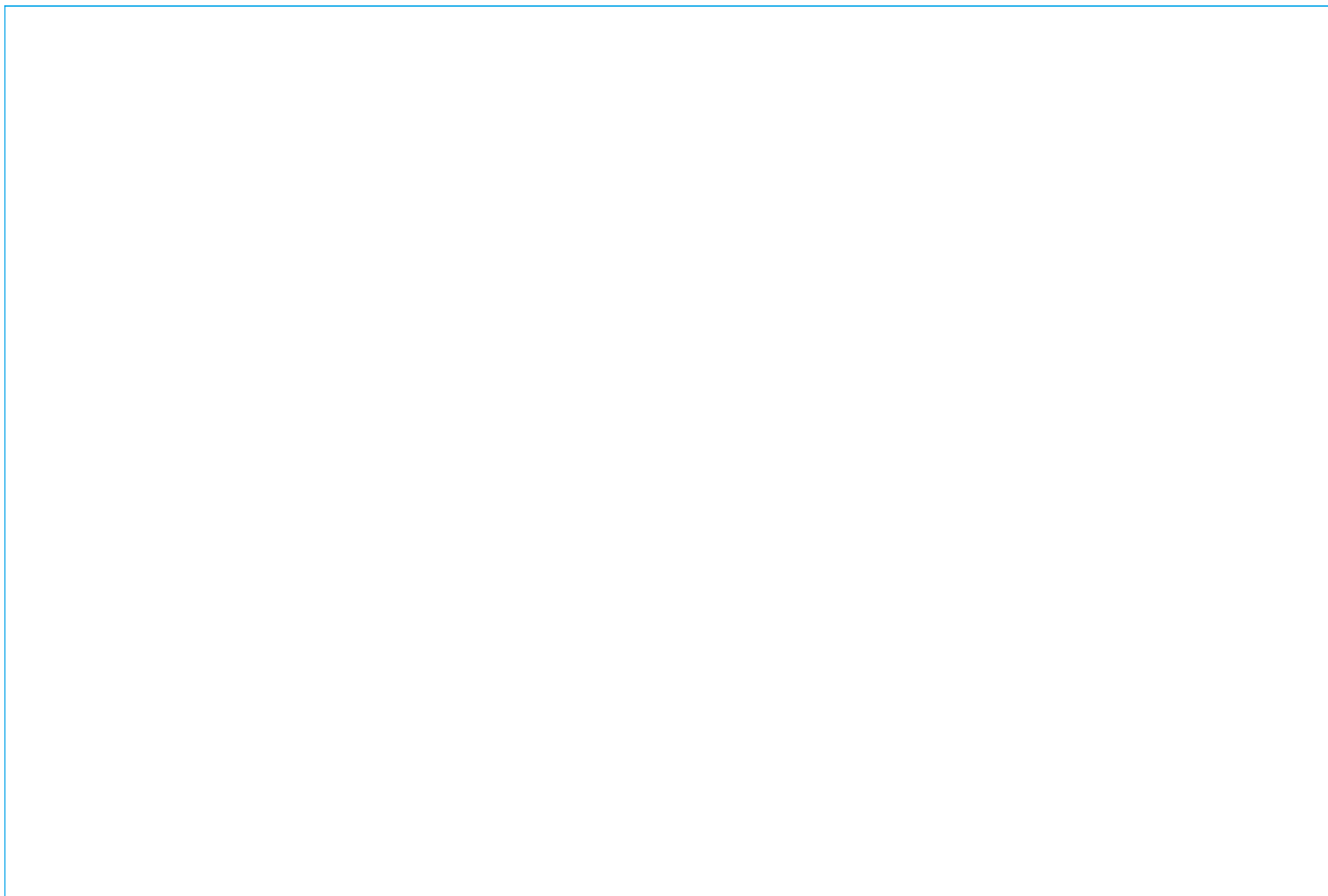




Owners manual

LJ125T-18A



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**

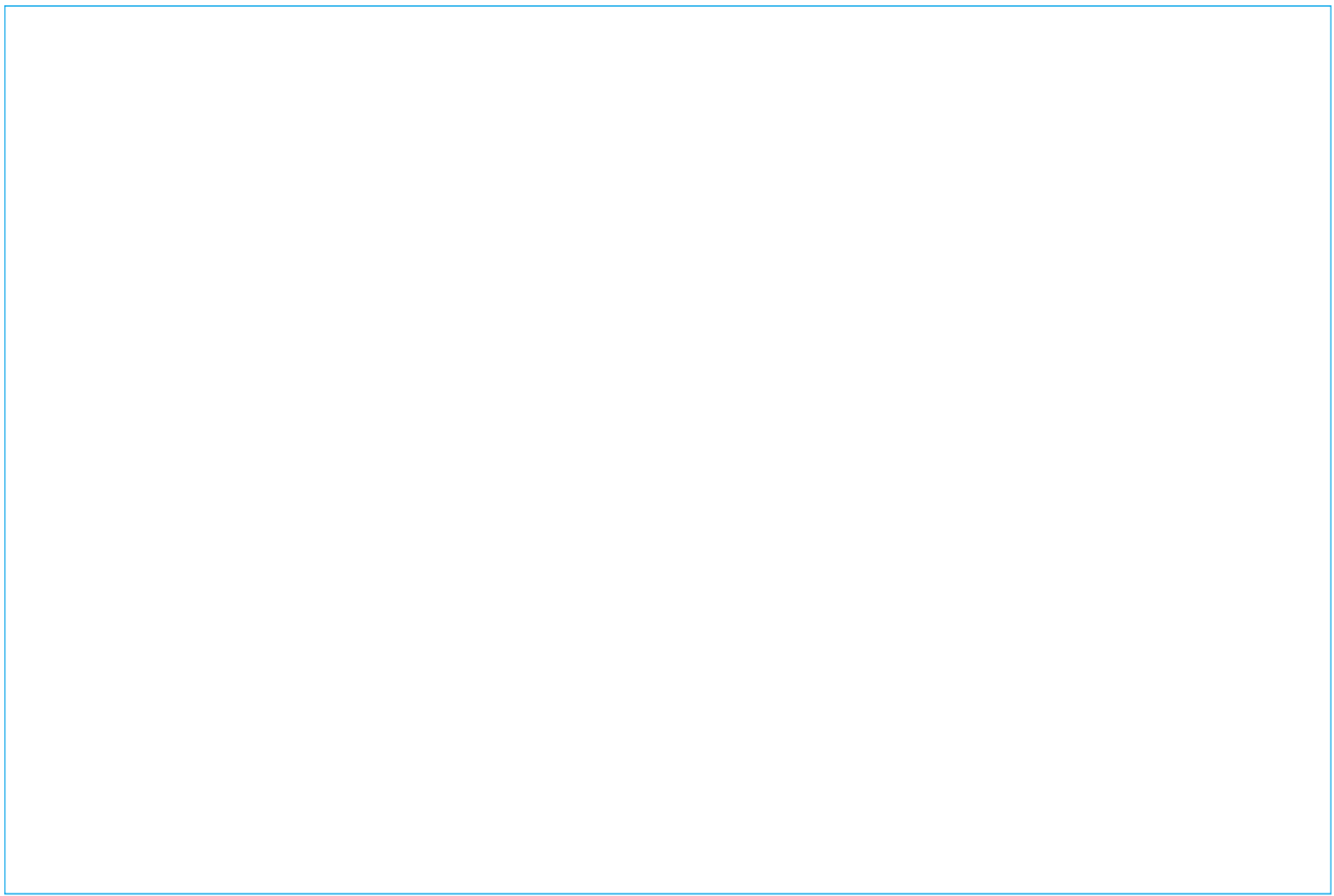
The vehicle is equipped with a catalyst, this results in extremely high temperatures on the exhaust system(risk of burning)

 **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.



CONTENTS

OVERVIEW AND OPERATION

Identification number, engine number.....	3
View of vehicle.....	4-7
Instrument, handlebar instrument.....	8-25
Ignition lock and fork-column lock.....	26-27
Storage box, luggage hooks.....	28
Fuel, fuel tank.....	29
Tank cap.....	30
Side stand, parking stand.....	31

SAFETY TEST

Checklist.....	32
Load and lights.....	33

RIDING INSTRUCTIONS

Ride safely.....	33
Ride economically and environmentally.....	34
Running-in instructions.....	35
Starting.....	36
Brakes.....	37-38
Stopping the engine.....	38

SERVICE INSTRUCTIONS

Servicing the scooter / cleaning agents.....	39-40
Winter operation and corrosion protection.....	40
Repairing paint damage / servicing the tyres.....	41
Lay-up commission.....	41
Technical modifications, accessories and spare parts.....	42

CONTENTS

NOTES ON MAINTENANCE

Engine oil, Transmission oil.....	43-44
Regulating valve.....	45
Checking steering bearing, telescopic fork.....	45
Tyres.....	46
Front wheel brake.....	47-49
Rear wheel brake.....	50-52
Adjusting the play of the twist grip throttle control.....	53
Cleaning the air filter.....	54-56
Cleaning the spark plug.....	56-57
Fuse.....	58
Battery.....	58-60
Changing the light	61-70
Adjusting the headlight.....	71
Fault diagnosis tester.....	72-73

TECHNICAL DATA

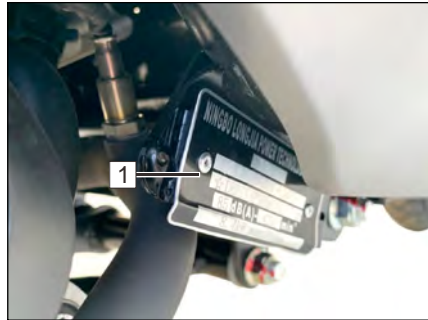
Engine.....	74
Power transmission.....	75
Chassis.....	75
Lubricants and operating fluids.....	76
Electrical equipment.....	76
Dimensions and weights.....	77

WARRANTY AND SERVICE DATA

Warranty conditions.....	78
List of wear items.....	79-80
Inspection plan.....	81-83
Proof of maintenance.....	84-85
Circuit diagram.....	86-87

SUMMARY AND OPERATION

Identification number



NOTE

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

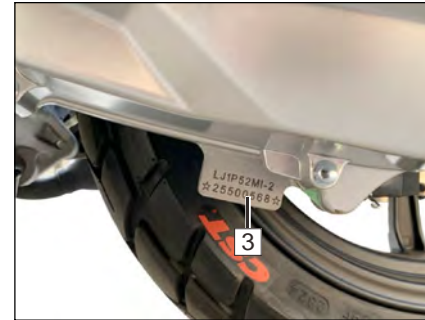
The identification number (1) is located on the frame below the right side cover.

Chassis number



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

Engine number



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

Key

This scooter is equipped with two separate keys:

- Ignition lock, Fuel tank cap and storage box.

Keep the spare key at a safety place.

OVERVIEW AND OPERATION

Right-hand side view (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 Spark plug
- 7 Engine oil filter cap



OVERVIEW AND OPERATION

Left-hand side view (CBS)

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



OVERVIEW AND OPERATION

Right-hand side view (ABS)

- 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 Spark plug
- 7 Engine oil filter cap



OVERVIEW AND OPERATION

Left-hand side view (ABS)

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



OVERVIEW AND OPERATION

LCD Combination Instrument (CBS)



1. Auto Start-Stop display

When the Auto Start-Stop switch is in the "⏻" position, it will be switch on and will go off automatically in 2-3 second. When the vehicle water temperature is higher than 65°C and the vehicle speed is >15km/h, keep it for more than 1min, the auto start/stop indicator light will be on.

When the auto start-stop indicator is on, the engine will automatically switch off when the speed and throttle opening is 0, and the auto start-stop indicator will then flash.

2. Light sensor

It automatically determines the state of day and night.

3. Left turn indicator

It blinks at the normal frequency with the turning signals.

4. Position indicator

It comes on at the same time when the position indicator light is turned on.

5. Water temperature symbol

Water temperature alarm light is on, which means there are abnormalities at this time, please stop the vehicle to cool down to check.

6. EFI warning indicator

When the vehicle is under power, the indicator light comes on if the engine does not start. Then, when the engine starts, the indicator light goes off. The above condition indicates that the EFI system is working properly. If the engine starts and the warning light stays on, please contact the after-sales or authorized dealers.

7. High beam indicator

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

8. Right turn indicator

It blinks at the normal frequency with the turning signals.

9. Tire pressure alarm indicator (optional)

It will be on when the tire pressure is lower than 170Kpa or higher than 300Kpa, or the rear tire pressure is lower than 200Kpa or higher than 340Kpa, this indicator will light up, please stop and check.

OVERVIEW AND OPERATION

Multi-function Meter (CBS)



1. Engine coolant temperature indicator
It shows the engine water temperature value in real-time.

2. Time display
It shows the current time. It can be adjusted by SET and SEL buttons (see page 10, SET and SEL button function description for the details).

3. Tire pressure alarm indicator(optional)
It will be on when the tire pressure is lower than 170Kpa or higher than 300Kpa, or the rear tire pressure is lower than 200Kpa or higher than 340Kpa, this indicator will light up, please stop and check.

4. Rear tire pressure display
It shows the rear tire pressure value in real time.

5. Front tire pressure display
It shows the front tire pressure value in real time.

6. Atmospheric temperature display
Shows the current temperature.

7. Engine speed display

8. Fuel gauge display
It shows the fuel level in the tank. Eight 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.

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 (see page 10, SET and SEL button function description for the details).

10. Vehicle speed display
It shows the real-time speed of the vehicle.

OVERVIEW AND OPERATION

Key Function Description (CBS)



1. SET key

Short press SET key to switch between total and single mileage.

Long press SET key to enter clock and date 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

Long press SET key to enter, short press SET key to shift cursor, short press SEL key to adjust the number. After adjustment, press SET key to save and exit.

Tire pressure matching

Within the 20S after power on, long-press the SET and SEL keys to enter the tire pressure matching selection state, then the vehicle icon flashes, long press the SET and SEL keys 2S to exit tire pressure matching. In the tire pressure matching selection state, short press the SET or SEL keys corresponding (left or right) tire pressure value flashes.

During single tire matching, press and hold the SET and SEL buttons at the same time for 1S to stop the current tire pressure matching and return to the tire pressure matching selection status, then you can select the front and rear wheels again. When the single tire pressure matching is finished, it will also return to the tire pressure matching selection status.

OVERVIEW AND OPERATION

TFT Combination Instrument (CBS)



1. Auto Start-Stop display

When the Auto Start-Stop switch is in the "A" position, it will be switch on and will go off automatically in 2-3 second. When the vehicle water temperature is higher than 65°C and the vehicle speed is >15km/h, keep it for more than 1min, the auto start/stop indicator light will be on.

When the auto start-stop indicator is on, the engine will automatically switch off when the speed and throttle opening is 0, and the auto start-stop indicator will then flash.

2. High beam indicator

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

3. Tire pressure alarm indicator (optional)

It will be on when the tire pressure is lower than 170Kpa or higher than 300Kpa, or the rear tire pressure is lower than 200Kpa or higher than 340Kpa, this indicator will light up, please stop and check.

4. Left turn indicator

It blinks at the normal frequency with the turning signals.

5. Position indicator

It comes on at the same time when the position indicator light is turned on.

6. Water temperature symbol

Water temperature alarm light is on, which means there are abnormalities at this time, please stop the vehicle to cool down to check.

7. EFI warning indicator

When the vehicle is under power, the indicator light comes on if the engine does not start. Then, when the engine starts, the indicator light goes off. The above condition indicates that the EFI system is working properly. If the engine starts and the warning light stays on, please contact the after-sales or authorized dealers.

8. Light sensor

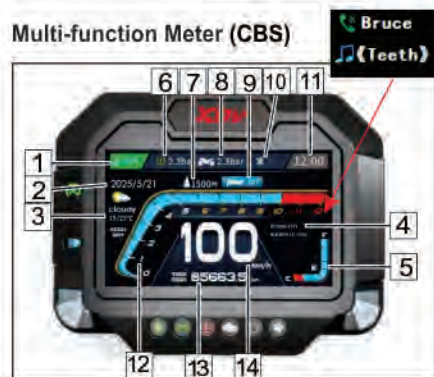
It automatically determines the state of day and night.

9. Right turn indicator

It blinks at the normal frequency with the turning signals.

OVERVIEW AND OPERATION

Multi-function Meter (CBS)



1. Engine coolant temperature indicator
It shows the engine water temperature value in real-time.

2. Date display

After the Bluetooth connection of the mobile phone, the date display automatically synchronizes with the network and does not need to be adjusted.

3. Weather display

After the phone is connected to Bluetooth, the weather display automatically synchronizes with the network and does not need to be adjusted. When the phone language is set to English, the weather is changed to English by default.

4. Bluetooth name display

The Bluetooth name disappears when connected to the Bluetooth of a mobile phone.

Call/music display(after Bluetooth connection)

After the phone is connected to Bluetooth, when there is a phone call in or call out, the phone number will be displayed. If the phone number has been stored in the phone contact list, the name stored in the contact list will be displayed. When the phone plays music, the song information is displayed in this area.

5. Fuel gauge display

It shows the fuel level in the tank. Eight 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.

6. Front tire pressure display (optional)

It shows the front tire pressure value in real time.

7. Altitude display

After the mobile phone is connected to the screen, the altitude display will automatically synchronize with the network does not need to be adjusted. When the phone language is set to English, the unit is changed to "m" by default.

8. Rear tire pressure display (optional)

It shows the rear tire pressure value in real time.

9. Handlebar heating display

When the handlebar heating is on, the symbol "OFF" turns to "ON" and the color turns to orange.

10. Bluetooth display

When connected to the phone Bluetooth interconnection status, the Bluetooth symbol will appear; after disconnection, the symbol is not displayed.

11. Time display

It shows the current time. It can be adjusted by SET and SEL buttons (see page 14, SET and SEL button function description for the details).

12. Engine speed display

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

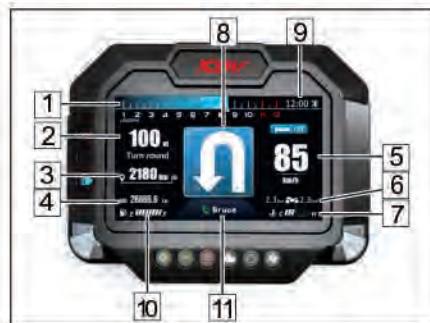
13. Total mileage (single mileage) display

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 (see page 14, SET and SEL button function description for the details).

14. Vehicle speed display

It shows the real-time speed of the vehicle.

Multi-function Meter (Navigation interface)



1. Engine speed display

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

2. Information about next road section

Show the name of the road for the next section you are about to enter.

3. Current navigation remaining total mileage display

Displays the total distance of the current navigation to the.

4. 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 (see page 14, SET and SEL button function description for the details).

5. Vehicle speed display

It shows the real-time speed of the vehicle.

6. Tire pressure display (optional)

It shows the front rear tire pressure value in real time.

When the tire pressure alarm, the icon changes to the alarm light.

7. Engine coolant temperature indicator

It shows the engine water temperature value in real-time.

8. Arrow navigation display

It shows the engine water temperature value in real-time. The current navigation display changes according to the driving position.

9. Time display

It shows the current time. It can be adjusted by SET and SEL buttons (see page 14, SET and SEL button function description for the details).

10. Fuel gauge display

It shows the fuel level in the tank. Eight bars 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.

11. Call/music display(after Bluetooth connection)

After the phone is connected to Bluetooth, when there is a phone call in or call out, the phone number will be displayed. If the phone number has been stored in the phone contact list, the name stored in the contact list will be displayed.

When the phone plays music, the song information is displayed in this area.

OVERVIEW AND OPERATION

Key Function Description (CBS)



1. SET key

Short press SET key to switch between total and single mileage.

Long press SET key to enter clock and date 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

Long press SET key to enter, short press SET key to shift cursor, short press SEL key to adjust the number. After adjustment, press SET key to save and exit.

Tire pressure matching

Within 20 seconds of powering on, long press the left and right buttons to enter the tire pressure matching selection state. At this time, the front wheel "-" white flashes, and press the left button to switch between the front and rear wheels. After short pressing the right button, "-" will turn yellow and flash, while the turn signals will flash three times, entering the front tire pressure matching mode; After aligning the front wheel valve with the matching instrument, press the button several times. When the turn signals flashes twice and the yellow "-" does not flash, it indicates successful matching. Press the right button, and the "-" will turn into white flashing and exit; Short press the left button to switch to the rear wheel. Short press the right button, and the "-" will turn yellow and flash. At the same time, the turn signals will flash three times to enter the rear tire pressure matching mode.

After aligning the matching instrument with the rear wheel valve, press the button several times. When the turn signals flash twice and the yellow "-" does not flash, it indicates successful matching. Press the right button, and the "-" will turn into white flashing and exit.

Press the left and right buttons simultaneously to save the matching and exit, and the tire pressure value will be displayed on the instrument panel. If learning fails, the turn signals will flash five times and the "-" will turn red.

OVERVIEW AND OPERATION

LCD Combination Instrument (ABS)



1. Auto Start-Stop display

When the Auto Start-Stop switch is in the "ON" position, it will be switch on and will go off automatically in 2-3 second. When the vehicle water temperature is higher than 65°C and the vehicle speed is >15km/h, keep it for more than 1min, the auto start/stop indicator light will be on.

When the auto start-stop indicator is on, the engine will automatically switch off when the speed and throttle opening is 0, and the auto start-stop indicator will then flash.

2. ABS warning indicator

It will be on when the vehicle is powered on and parked.

If the speed exceeds 8KM/H, this indicator should be off. If the indicator is on when the vehicle is during driving, it means the ABS anti-lock system is malfunctioning, please contact the after-sales service to deal with it.

3. Light sensor

It automatically determines the state of day and night.

4. Left turn indicator

It blinks at the normal frequency with the turning signals.

5. Position indicator

It comes on at the same time when the position indicator light is turned on.

6. Water temperature symbol

It flashes when the engine water temperature is high, which means there are abnormalities at this time, please stop the vehicle to cool down to check

7. EFI warning indicator

When the vehicle is under power, the indicator light comes on if the engine does not start. Then, when the engine starts, the indicator light goes off. The above condition indicates that the EFI system is working properly. If the engine starts and the warning light stays on, please contact the after-sales or authorized dealers.

8. High beam indicator

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

9. Right turn indicator

It blinks at the normal frequency with the turning signals.

10. Tire pressure alarm indicator (optional)

It will be on when the tire pressure is lower than 170Kpa or higher than 300Kpa, or the rear tire pressure is lower than 200Kpa or higher than 340Kpa, this indicator will light up, please stop and check.

OVERVIEW AND OPERATION

Multi-function Meter (ABS)



1. Engine coolant temperature indicator
It shows the engine water temperature value in real-time.

2. Time display
It shows the current time. It can be adjusted by SET and SEL buttons (see page 16, SET and SEL button function description for the details).

3. Tire pressure alarm indicator(optional)
It will be on when the tire pressure is lower than 170Kpa or higher than 300Kpa, or the rear tire pressure is lower than 200Kpa or higher than 340Kpa, this indicator will light up, please stop and check.

4. Rear tire pressure display

It shows the rear tire pressure value in real time.

5. Front tire pressure display

It shows the front tire pressure value in real time.

6. Atmospheric temperature display

It shows the current temperature.

7. Engine speed display

8. Fuel gauge display

It shows the fuel level in the tank. Eight 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.

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 (see page 16, SET and SEL button function description for the details).

10. Vehicle speed display

It shows the real-time speed of the vehicle.

Key Function Description (ABS)



1. SET key

Short press SET key to switch between total and single mileage.

Long press SET key to enter clock and date 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

Long press SET key to enter, short press SET key to shift cursor, short press SEL key to adjust the number. After adjustment, press SET key to save and exit.

TFT Combination Instrument (ABS)



1. Auto Start-Stop display

When the Auto Start-Stop switch is in the " " position, it will be switch on and will go off automatically in 2-3 second. When the vehicle water temperature is higher than 65°C and the vehicle speed is >15km/h, keep it for more than 1min, the auto start/stop indicator light will be on.

When the auto start-stop indicator is on, the engine will automatically switch off when the speed and throttle opening is 0, and the auto start-stop indicator will then flash.

2. High beam indicator

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

3. TCS indicator light

It will be on when the vehicle is powered on and parked, and should be off when the vehicle speed exceeds 8km/h.

The TCS function can be turned off in the meter menu. After it is turned off, the indicator light has a horizontal bar and remains on. TCS defaults to be on each time the vehicle is repowered. In the on state, if rear wheel slip occurs during driving, TCS will actively reduce engine torque to prevent tire from slippage, and the indicator light will flash rapidly at this time.

When the light is always on while driving, it means that there is a malfunction in the TCS traction control system, please contact the after-sales service or go to an authorized dealer for inspection.

4. Tire pressure alarm indicator (optional)

It will be on when the tire pressure is lower than 170Kpa or higher than 300Kpa, or the rear tire pressure is lower than 200Kpa or higher than 340Kpa, this indicator will light up, please stop and check.

5. ABS warning indicator

It will be on when the vehicle is powered on and parked.

If the speed exceeds 8KM/H, this indicator should be off. If the indicator is on when the vehicle is during driving, it means the ABS anti-lock system is malfunctioning, please contact the after-sales service to deal with it.

6. Left turn indicator

It blinks at the normal frequency with the turning signals.

7. Position indicator

It comes on at the same time when the position indicator light is turned on.

8. Water temperature symbol

It flashes when the engine water temperature is high, which means there are abnormalities at this time, please stop the vehicle to cool down to check

9. EFI warning indicator

When the vehicle is under power, the indicator light comes on if the engine does not start. Then, when the engine starts, the indicator light goes off. The above condition indicates that the EFI system is working properly. If the engine starts and the warning light stays on, please contact the after-sales or authorized dealers.

10. Light sensor

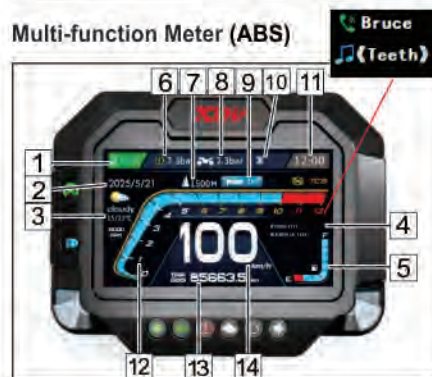
It automatically determines the state of day and night.

11. Right turn indicator

It blinks at the normal frequency with the turning signals.

OVERVIEW AND OPERATION

Multi-function Meter (ABS)



1. Engine coolant temperature indicator

It shows the engine water temperature value in real-time.

2. Date display

After the Bluetooth connection of the mobile phone, the date display automatically synchronizes with the network and does not need to be adjusted.

3. Weather display

After the phone is connected to Bluetooth, the weather display automatically synchronizes with the network and does not need to be adjusted. When the phone language is set to English, the weather is changed to English by default.

4. Bluetooth name display

The Bluetooth name disappears when connected to the Bluetooth of a mobile phone.

Call/music display(after Bluetooth connection)

After the phone is connected to Bluetooth, when there is a phone call in or call out, the phone number will be displayed. If the phone number has been stored in the phone contact list, the name stored in the contact list will be displayed. When the phone plays music, the song information is displayed in this area.

5. Fuel gauge display

It shows the fuel level in the tank. Eight 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.

6. Front tire pressure display (optional)

It shows the front tire pressure value in real time.

7. Altitude display

After the mobile phone is connected to the screen, the altitude display will automatically synchronize with the network does not need to be adjusted. When the phone language is set to English, the unit is changed to "m" by default.

8. Rear tire pressure display (optional)

It shows the rear tire pressure value in real time.

9. Handlebar heating display

When the handlebar heating is on, the symbol "OFF" turns to "ON" and the color turns to orange.

10. Bluetooth display

When connected to the phone Bluetooth interconnection status, the Bluetooth symbol will appear; after disconnection, the symbol is not displayed.

11. Time display

It shows the current time. After the Bluetooth connection of the mobile phone, the time display automatically synchronizes with the network and does not need to be adjusted. It can be adjusted by SET and SEL buttons (see page 20, SET and SEL button function description for the details).

12. Engine speed display

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

13. 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 (see page 20, SET and SEL button function description for the details).

14. Vehicle speed display

It shows the real-time speed of the vehicle.

Multi-function Meter (Navigation interface)



1. Engine speed display

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

2. Information about next road section

Show the name of the road for the next section you are about to enter.

3. Current navigation remaining total mileage display

Displays the total distance of the current navigation to the.

4. 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 (see page 20, SET and SEL button function description for the details).

5. Vehicle speed display

It shows the real-time speed of the vehicle.

6. Tire pressure display (optional)

It shows the front rear tire pressure value in real time.

When the tire pressure alarm, the icon changes to the alarm light.

7. Engine coolant temperature indicator

It shows the engine water temperature value in real-time.

8. Arrow navigation display

It shows the engine water temperature value in real-time. The current navigation display changes according to the driving position.

9. Time display

It shows the current time. After the Bluetooth connection of the mobile phone, the time display automatically synchronizes with the network and does not need to be adjusted. It can be adjusted by SET and SEL buttons (see page 20, SET and SEL button function description for the details).

10. Fuel gauge display

It shows the fuel level in the tank. Eight bars 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.

11. Call/music display(after Bluetooth connection)

After the phone is connected to Bluetooth, when there is a phone call in or call out, the phone number will be displayed. If the phone number has been stored in the phone contact list, the name stored in the contact list will be displayed.

When the phone plays music, the song information is displayed in this area.

OVERVIEW AND OPERATION

Key Function Description (ABS)



1. SET key

Short press SET key to switch between total and single mileage.

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.



3. Handlebar "BACK" key

When the main interface is displayed, short press the BACK key to switch between metric and imperial systems;

When the menu interface is displayed, short press the BACK key to save and exit to the previous menu.

4. Handlebar "SET" key

When the main interface is displayed, long press the SET key to enter the instrument menu interface;

When the menu interface is displayed, short press the SET key to enter the submenu selected by the cursor.

5. Handlebar "UP" key

When the main interface is displayed, short press the UP key to switch between single and total mileage.

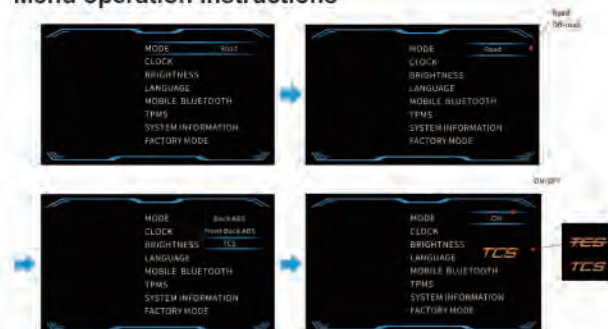
When the menu interface is displayed, short press the UP key to switch or add time set.

6. Handlebar "DOWN" key

When the main interface is displayed, short press the DOWN key to switch between single and total mileage.

When the menu interface is displayed, short press the DOWN key to switch or decrease the time set.

Menu operation instructions

**Mode Switching:**

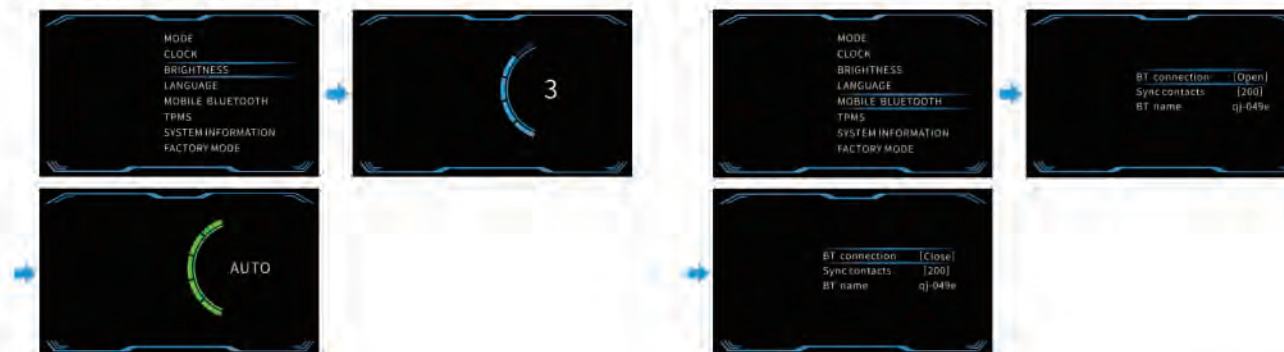
Move the cursor to select mode switching, short press the SET key to move the cursor to the right submenu. Short press the UP or DOWN key to switch between on-road or off-road mode, short press the SET key to enter (only off-road mode can enter the next menu). In off-road mode, you can switch the TCS function on/off, short press the down key to select "TCS", short press the SET key to enter the corresponding option, then short press the UP or DOWN key for on and off operation. Finally, short press the BACK key to save and exit to the previous menu.

**Clock Settings:**

Move the cursor to select the time setting, short press the SET key to move the cursor to the right submenu. Short press the UP or DOWN key to switch the clock 24H and 12H mode, then, short press the SET key to enter the next option to adjust the clock. After that, short press SET key to switch "Hour-Minute" or "AM/PM-Hour-Minute", short press UP or DOWN key to adjust the time set. Finally, short press BACK key to save and exit to the previous menu.

OVERVIEW AND OPERATION

Menu operation instructions



Backlight Setting:

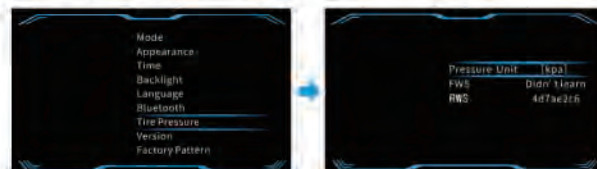
Move the cursor to select the backlight setting, short press the SET key to move the cursor the right submenu. Short press the UP key in accordance with the "auto-1-2-3-4-5-auto" order to switch the backlight's brightness level. Finally, short press BACK key to save and exit to the previous menu.

Bluetooth:

Move the cursor to select the Bluetooth mode, short press the SET key to move the cursor to the right sub-menu. Short press the UP or DOWN key for Bluetooth on or off operation. Finally, short press the BACK key to save and exit to the previous menu.

OVERVIEW AND OPERATION

Menu operation instructions



Tire Pressure Setting (optional):

Move the cursor to select Tire Pressure, short press the SEL key to move the cursor to the right submenu. At this time, short press the SET key to switch between "Pressure Unit Setting - Front Wheel Sensor Learning - Rear Wheel Sensor Learning". After selecting the corresponding option, short press the SEL key to enter the operation, and short press the SET key to adjust. Learning of front and rear wheel sensors: short press the SEL key to learn, short press the MODE key to exit learning, and maintain the previous state. If successful, it will show the tire pressure ID; if failed, it will show the corresponding text; when not in the learning state, short press the MODE key to exit the tire pressure setting option and return to the previous menu.

Menu operation instructions

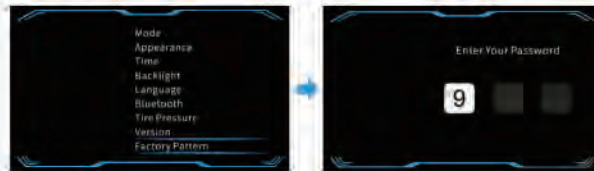


System Information:

Move the cursor to select Version, short press the SEL key and the right submenu will show the program version number. Short press the MODE key to exit to the previous menu.

OVERVIEW AND OPERATION

Menu operation instructions

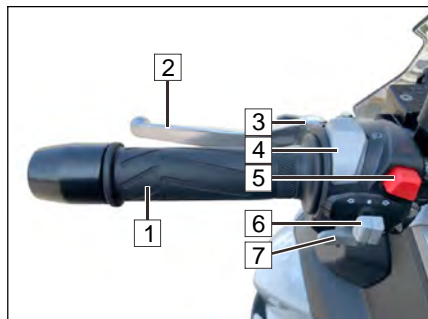








Factory Mode:

Move the cursor to select Factory Pattern, short press the SEL key to display the input password interface. At this time, short press the SEL key to accumulate, short press the SET key to shift the digit grid. If the password is entered correctly, the system will restore to the factory settings. Short press the MODE key to save and exit to the previous menu. Please contact an authorized dealer if you need to operate the factory mode.

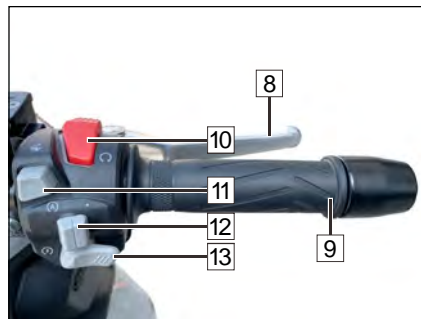
OVERVIEW AND OPERATION






Handlebar instrument, left




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

Handlebar instrument, right




- 8 Handbrake lever for front brake
- 9 Throttle
- 10 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.
- 11 When the lock is in the "  " position, press the button to open the seat cushion.

- 12 Auto Start-Stop switch

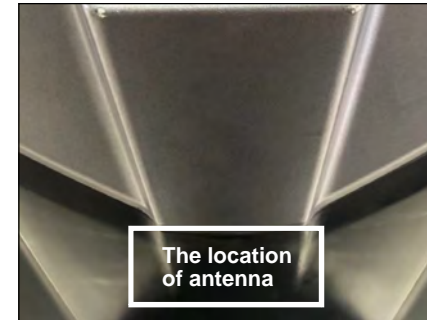
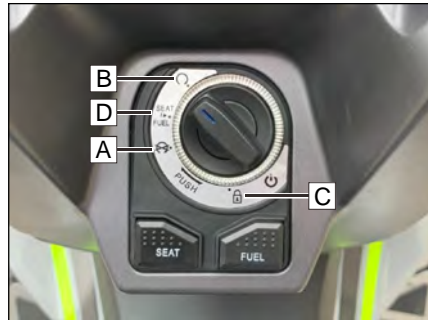
When the switch is placed in the "  " position, the auto start-stop function is turned on.

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.
- 13  Starter button

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 green indicator 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. Press down the switch, follow the direction of arrow and turn to this position, lock the handle bar.

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 remote key, turn lights flash one time, PKE function activates; press this button again, PKE function will be off and switch to energy saving mode, then the vehicle cannot be turned on even the remote key is within 1.5 meters to vehicle.

G. Press this button on the remote key to unlock the vehicle. The green indicator light will on, turn the ignition switch to control the vehicle without pressing down.

Note:

1. This model has an emergency braking and turn signal flashing alarm function. Once the speed exceeds 50km/h and the deceleration speed reaches the set value within a short period of time, the turn signal flashing alarm will alert the vehicle behind.

2. This model has an anti-theft alarm function. When the vehicle is powered down for 10 seconds, it will automatically enter the set-up function. At this time, if the key is not within 1.5m of the vehicle and the vehicle is subjected to vibration caused by an external force, the vehicle horn will sound 8 times continuously and the turn signal flashes 10 times to alert owner.

OVERVIEW AND OPERATION

Ignition and fork-column lock



Picture(1)



Picture(2)

Remark:

1. When the remote key is out of battery, put the key close to the position shown in the picture to unlock the vehicle. Change the battery of remote key in time.

2. If keep the vehicle in storage for long time, the battery could be out of power and can't open the luggage box, please do as the following instruction to connect external battery to open the luggage box. Follow the direction of arrow in picture 1 to open the battery cover, connect external battery to the 2 wires as picture 2. Please pay attention that the red wire is connected to positive pole of battery and green wire to negative pole of battery. Then open the luggage box as instruction. (detail in page 10)

Remark: Connect red wire to positive pole and green wire to negative pole, which can not be reversed.

Caution: The wiring is only used when the battery is dead. When opening the seat, do not try to use the wiring to start the vehicle, and do not connect the positive and negative terminals wrong, otherwise, it will blow the fuse, or even burn the 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 stuffs before washing to avoid wetting these objects.
- Do not place thermal sensitive objects in the box because of engine 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 is turned on, the 12V power (4) outlet works and it can be connected to low voltage devices such as 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 lit cigarette or open flame near an open fuel tank, because fuel vapors can be suddenly ignited.

Fuel



NOTE

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


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

E = Empty

F = Full

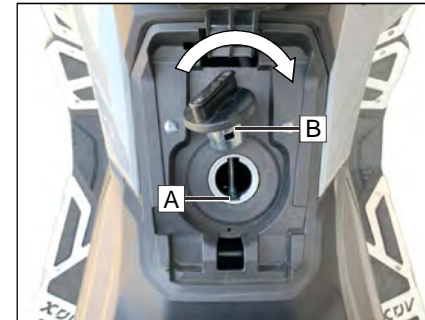
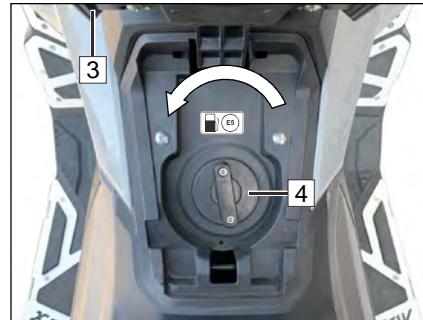
When the fuel level is low, the last section of the fuel level indicator flashes, please replenish the fuel in time.

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:

- Turn the ignition switch to "SEAT FUEL" (1), press "FUEL" (2), open the fuel tank cap (3).
- Turn the tank cap (4) counterclockwise 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.



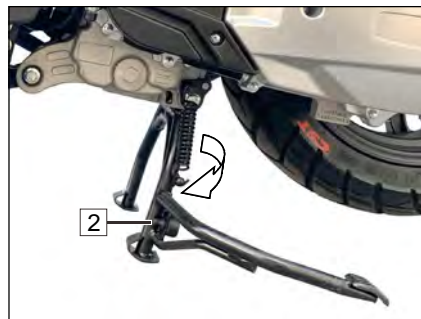
NOTE

Fuel

- Use fuel containing up to 5% ethanol by volume (E5)

Unleaded fuel min. 95 Octane

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 handle-bar grip.
- Hold the rear holder (3) with your right hand
- Put down the side stand (1) and bring it as far forward as possible.
- 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 handle-bar grip.
- Hold the rear holder (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 standard.
- Pull the scooter backward and upward simultaneously until the whole vehicle is propped up.
- 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
- Total weight
- Lights
- Brake fluid (level)
- 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 inflammable materials (e.g. hay, leaves, grass, coverings or luggage, etc.) do not come into contact with it!

SAFETY TEST

Load / lights

WARNING

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

We cannot determine whether third party products can be safely used with your scooter.

Product variability can affect performance, and you will lose warranty eligibility.



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 cannot be exceeded.

Check the tire pressure.

Checking the lights

WARNING

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

- Check that the headlights and lenses are clean.

Ride safely



CAUTION

Riding safety is largely determined by the manner of riding.

Therefore:

- Put on a tested / approved safety helmet and correctly buckle up.
- Wear suitable protective clothes.
- Rest your feet on the footrests.

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, you need to take more into account the stability of the ride and drive carefully.

RIDING INSTRUCTIONS

Ride economically and be aware of the environment

Fuel consumption, environmental pollution and wear of engine, brakes and tires 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 tire pressure every two weeks.

Low tire 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 constant 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. Therefore they must be roughened by carefully running them in various slanted positions. Only then will the surface obtain its full grip!

Running-in new brake linings

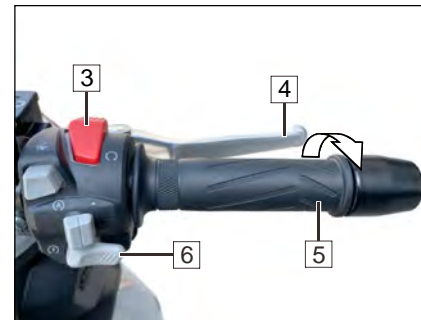
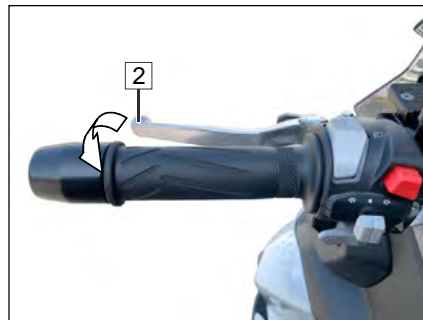


WARNING

New brake linings must be run-in and will not have their full friction power until after 500 km. Increasing the pressure on the brake lever can slightly enhance the braking effect. 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

- Prop up the scooter with the parking stand.
- Turn the ignition lock (1) with the ignition key to its operating position "⤵".
- Right switch (3) at "⤵" position.
- Do not open the throttle (5).
- Pull and hold the handbrake lever (2) or (4).
- Operate the start button (6).
- If the engine can not be started after the starter motor is running for 3-5 seconds, open the throttle (5) 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 in a dry condition.

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 decrease 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

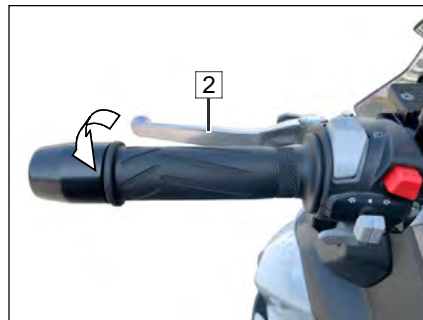
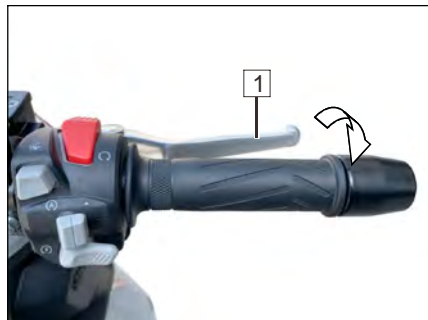
When riding on dirty streets, the braking effect can be delayed due to dirty brake discs and linings.

WARNING

Operate the brakes when 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".
- Take away the remote control key.

SERVICE INSTRUCTIONS

Servicing the scooter / cleaning agents



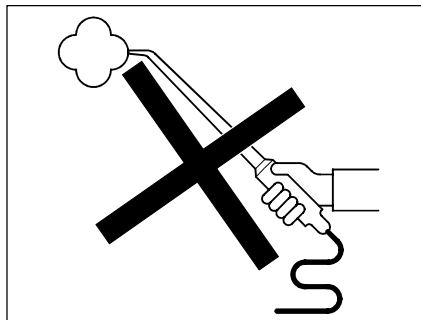
NOTE

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

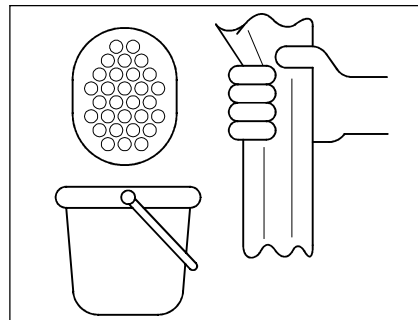
Always carry out a brake test after cleaning and before starting a ride!



CAUTION

Do not use steam or high-pressure jet devices!

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

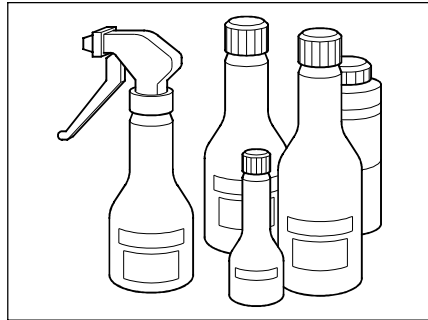


CLEANING

- Use a soft sponge and clean water to wash the motorcycle.
- Dry off with a polishing cloth or chamois afterwards.
- To avoid scratching the paint or covering, do not wipe off dust or dirt with a dry cloth.

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 long ride, clean the chassis and aluminum parts thoroughly and protect them with commercially available rust inhibitors.

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.



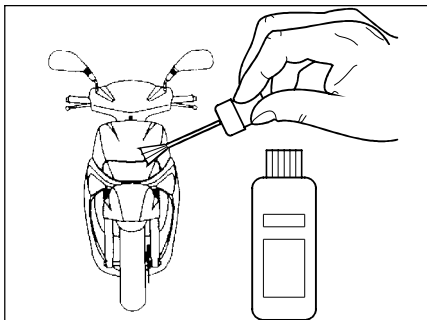
CAUTION

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

Repairing paint damage



Minor paint damage should be immediately repaired.

Servicing tires

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 tires. You can prevent the tires from becoming dry and brittle by spraying them with a silicone-rubber treatment. First thoroughly clean the tires.

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

WARNING

A minimum tire-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 tire 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 specialized dealer can carry out these activities with meticulous care.

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



CAUTION

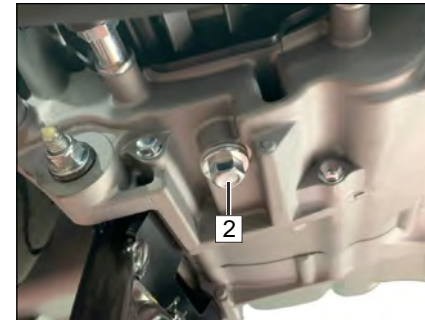
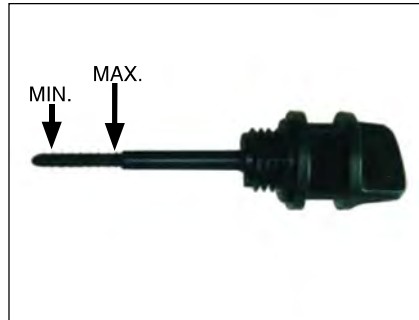
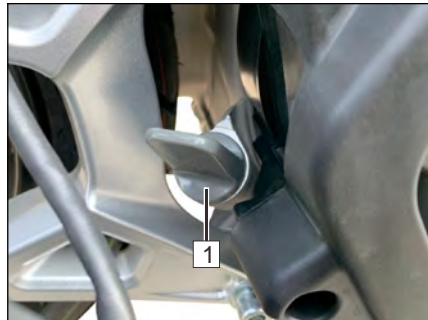
We recommend using only approved accessories and original spare parts for our scooter.

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 recognized technical testing / supervision agency, or a license issued by the authorities.

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

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. 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 with a clean rag.



CAUTION

For checking the oil level only insert the oil filler cap and do not screw in! Too much oil can seriously affect engine performance.

- 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 10 W/40 until the oil reaches to the MAX level mark.

- When change new engine oil, open the oil hole screw (2), drain all engine oil, then tighten the screw (2) and add new oil until the oil reaches to the maximum level mark.
- Tighten the oil filler cap (1).

NOTES ON MAINTENANCE

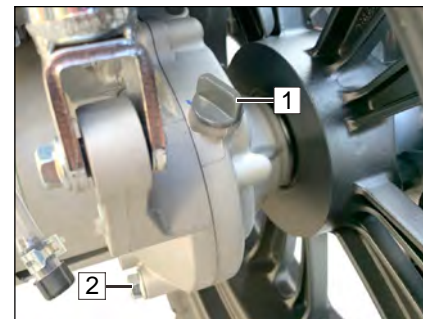
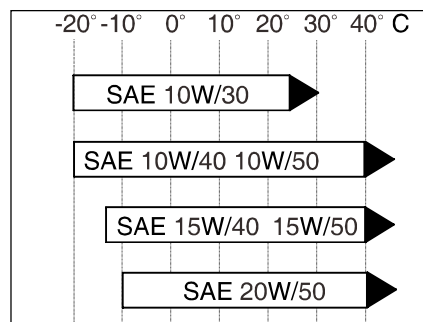
Engine oil



CAUTION

Use a suitable, light engine oil for scooters, such as Motorex SAE 10W/40 mineral oil API (SL or higher).

- 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.

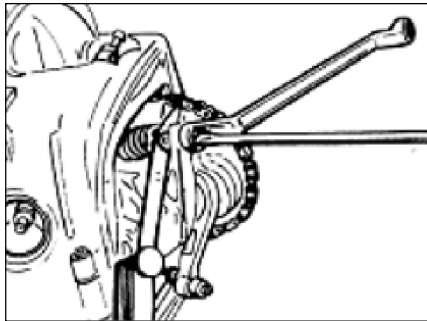
The recommended viscosity grade SAE 10W/40 covers the ambient temperature range -20°C to +40°C.

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

Regulating valve



- When checking the valve clearance, the valve gear phase marker must be aligned according to the above instructions.
- Use the thickness gauge to check whether the clearance between the valve and the adjusting gasket conforms to the specified value. If the inlet and exhaust valve clearance is different from the specified value below, loosen the locknut as shown in the figure and adjust the valve clearance.
Inlet valve(not started and state of cooling): 0.05-0.10mm
Exhaust valve (not started and state of cooling): 0.10-0.15mm

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 post bearing shows significant movement, they must be adjusted by a professional dealer.

Checking the telescopic fork

- Pull the hand brake to block the front wheel brake.
- Now pump the fork girders (2) 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

Tire profile



Checking the tire profiles

WARNING

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

- Measure the profile depth at the center (2) of the tire tread.

Recommended minimum profile depth:

2.0 mm

Observe the wear marks (3).

Checking the tire pressure

WARNING

Adjust the tire pressure according to the total weight load. Never exceed the rated total weight or the bearing capacity of the tires.

Incorrect tire pressure will have a considerable effect on the riding properties of the scooter and the lifespan of the tires.

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

Tire pressure

Front: 2.25Kg/cm² Rear: 2.50Kg/cm²

Tire size

The standard scooter is provided with the following tire sizes:

Front	110/70-13 M/C 48S or 55L or 48P
Rear	130/70-13 M/C 57S or 63S or 63P

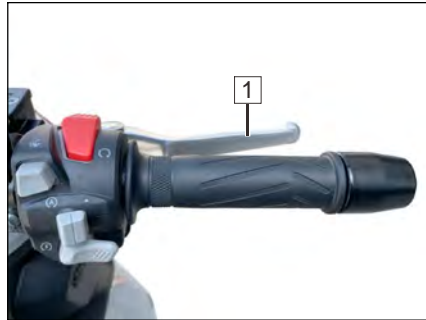
All Tires are tubeless.

WARNING

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

NOTES ON MAINTENANCE

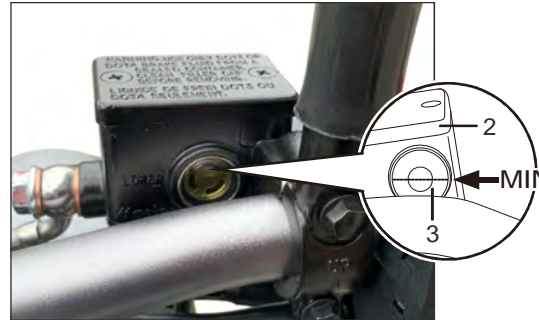
Front wheel brake



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.

Front brake-fluid tank



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.



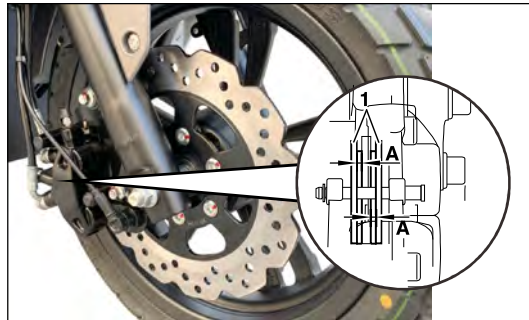
CAUTION

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 (CBS)



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained



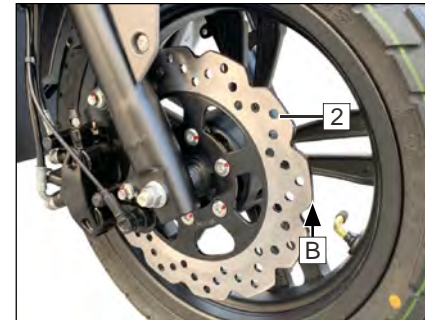
NOTE

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).

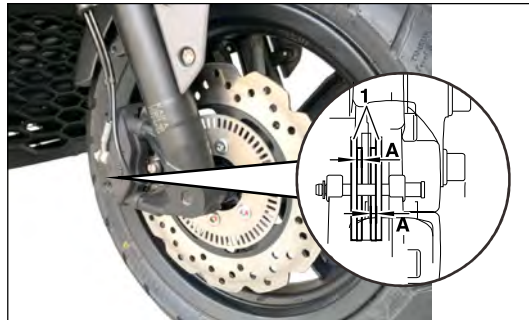
- Check the thickness of the disc.

Minimum thickness: **B = 4.0 mm**

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

NOTES ON MAINTENANCE

Front wheel brake (ABS)



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained



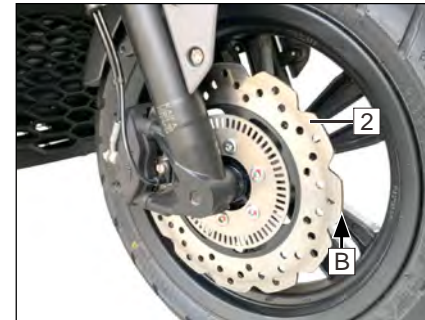
NOTE

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).

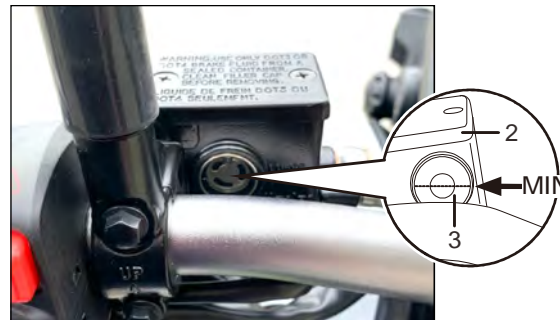
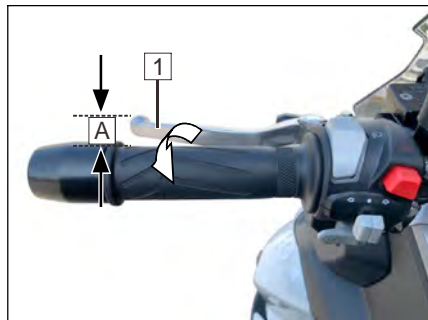
- Check the thickness of the disc.

Minimum thickness: **B = 4.0 mm**

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

NOTES ON MAINTENANCE

Rear wheel 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.

- 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.

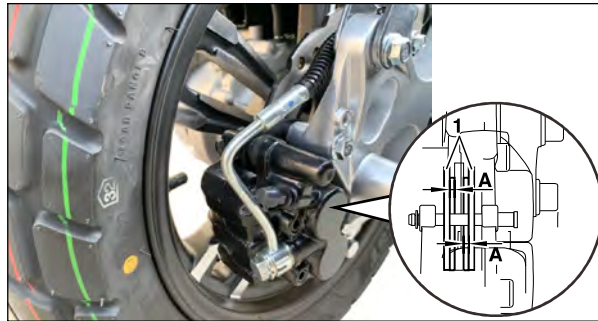


CAUTION

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

NOTES ON MAINTENANCE

Rear wheel brake (CBS)



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).

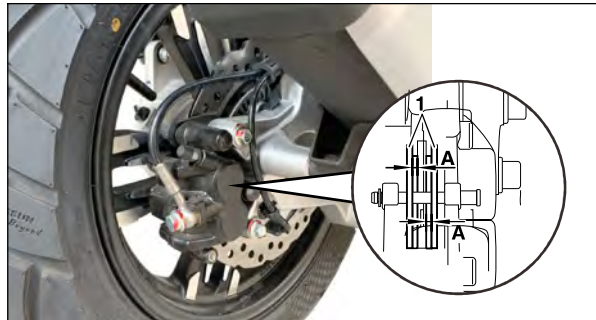
- Check the thickness of the disc.

Minimum thickness: **B = 4.0 mm**

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

NOTES ON MAINTENANCE

Rear wheel brake (ABS)



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained



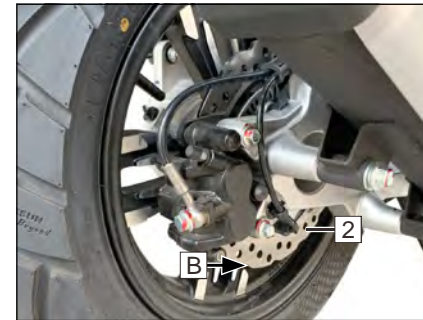
NOTE

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

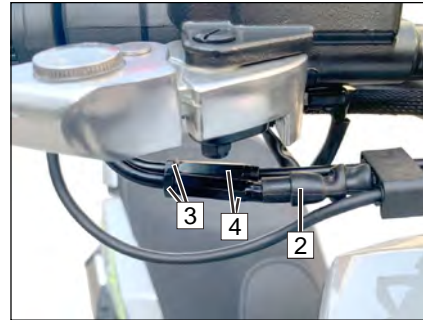
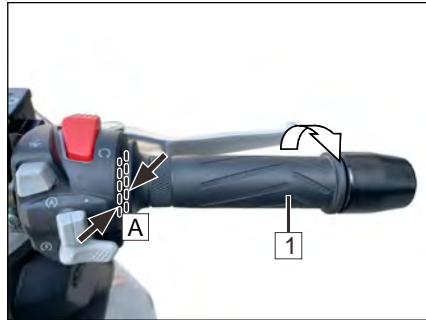
- Visually inspect the disc (2).

- 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).

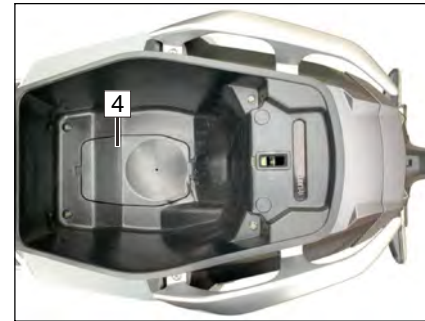
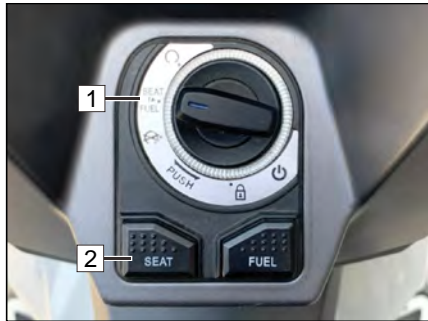


NOTE

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

NOTES ON MAINTENANCE

Cleaning the air filter



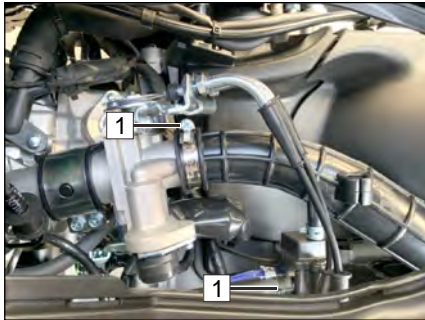
Check and change

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

- Open the cap (4).

NOTES ON MAINTENANCE

Cleaning the air filter

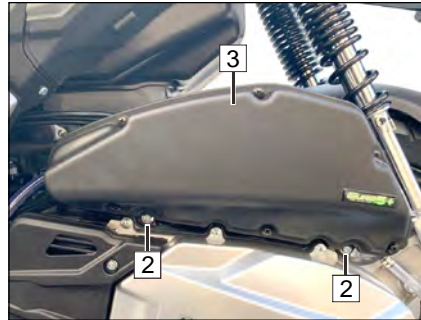


NOTE

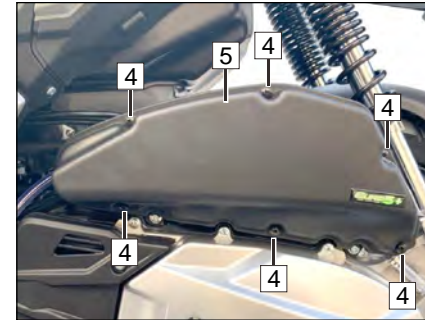
The scooter is attached with a oil foam air filter. In case of heavy dirtiness the paper filter element has to be replaced.

Disassembly and cleaning

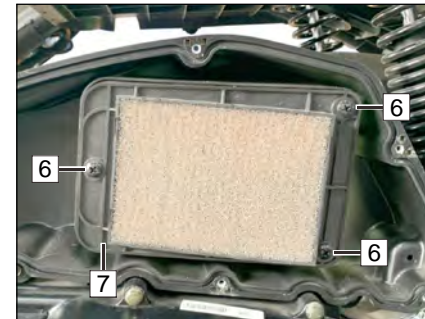
- Remove the screws (1).



Replacing the air filter



- Remove the screws (2) and take off the air filter (3).
- Use cross screws (4) and take off the air filter cover (5).
- Remove the screws (6) and take off the air filter element (7).



NOTES ON MAINTENANCE

Cleaning the air filter



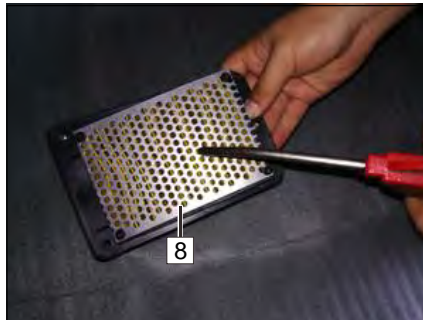
- Take off the paper filter element (8).
- Dust out the paper filter and clean with air pressure or renew if necessary.

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.

Checking the spark plug



Check and change



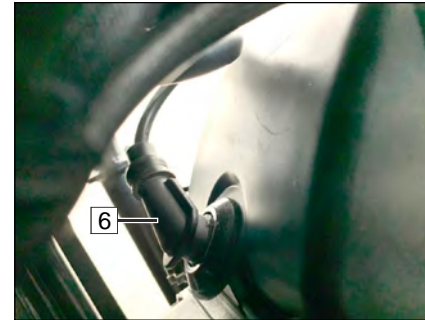
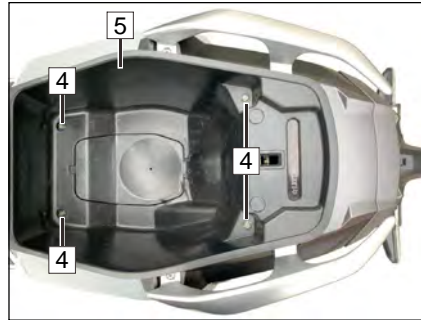
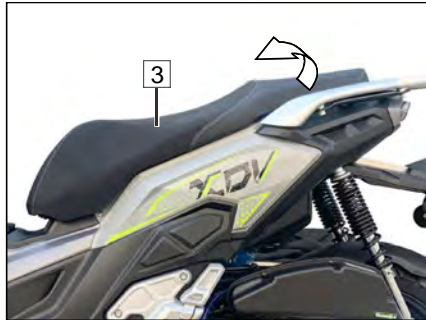
CAUTION

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 bolts (4) from the storage.
- Take off the storage (5) along with the seat.
- Unplug the spark plug connector (6).
- Unscrew the spark plug with the spark wrench from the on-board toolkit.

NOTES ON MAINTENANCE

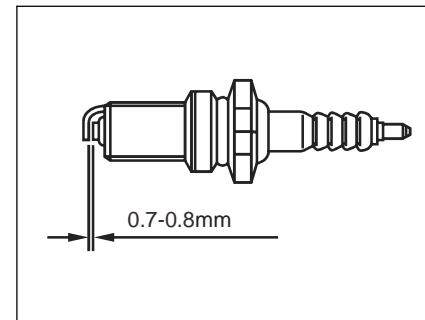
Checking the spark plug



- Check the electrode gap (0.7-0.8mm) replace the spark plug if it is severely burnt away.
- Use a new spark plug **NGK CPR8EA9** and tighten up.
- Screw in the spark plug by hand and then tighten up with the spark wrench.

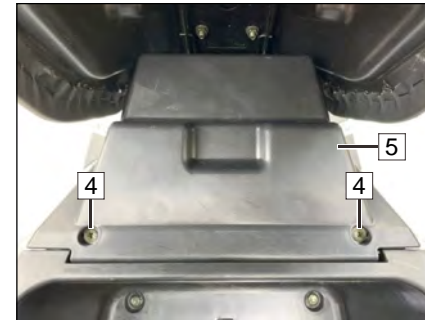
Torque 11 Nm.

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 screws (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 neutralized 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°C-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).

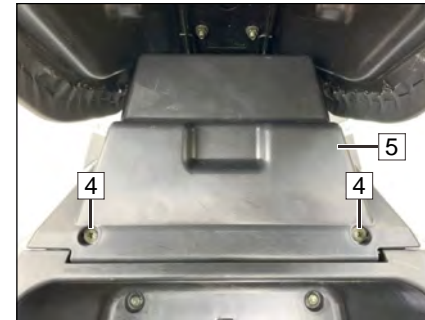
The battery must not be fast-charged. The battery may only be charged using a special charger approved for maintenance-free batteries.

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.

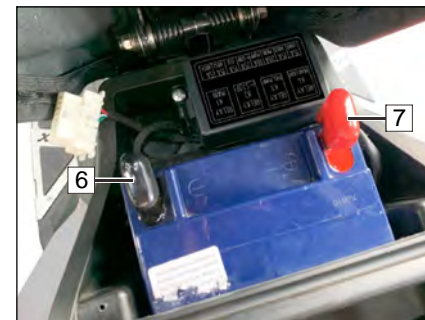
First disconnect the negative terminal (6, black cable).

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

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

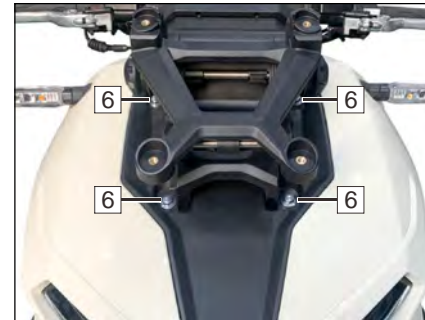
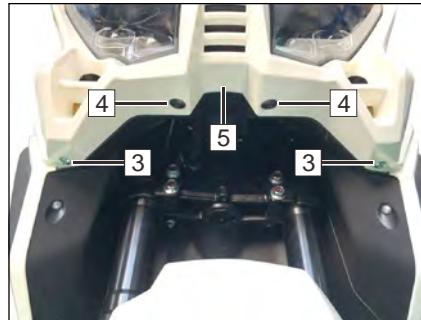
The battery is maintenance-free. Do not try to open it.

- 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

Headlights/front left and right turn signals



Changing the light



NOTE

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

Low beam-high beam

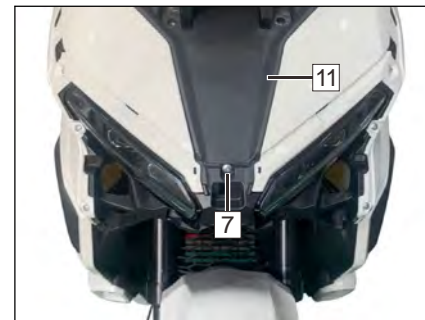
Light: LED 12V 9W/12V 13.5W

Position light

Light: LED 12V 1.8W

- Remove the hexagonal bolts (1) and remove the windshield (2).

- Remove the screws (3)(4) and remove the headlight shield (5).

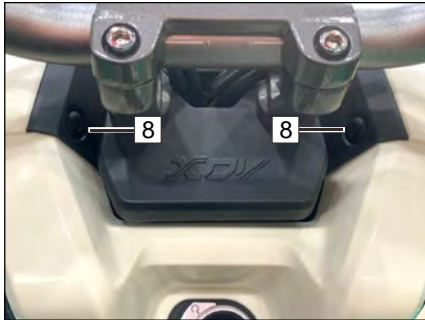


Front turn signal light

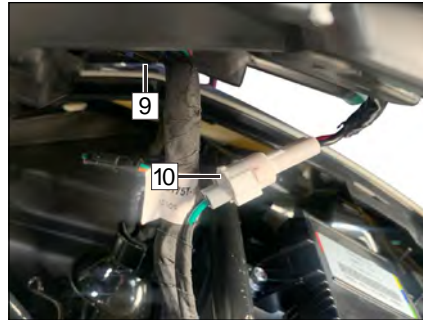
bulb: LED 12V 1.44W

NOTES ON MAINTENANCE

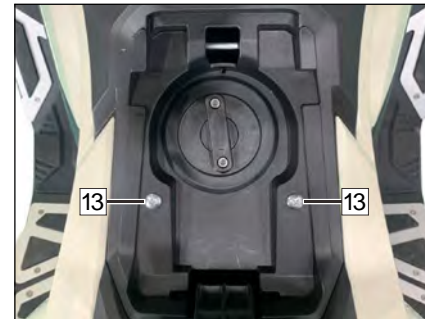
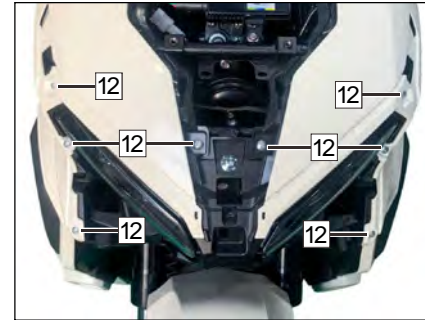
Headlights/front left and right turn signals



- Remove screws (6)(7)(8), unplug connectors (9) (10), windshield bracket, and front panel (11).

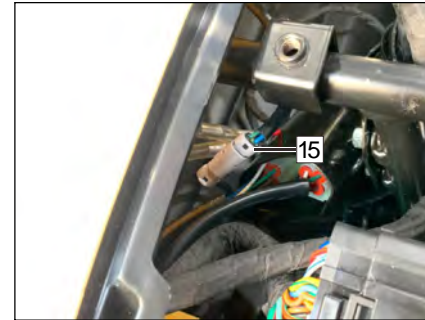
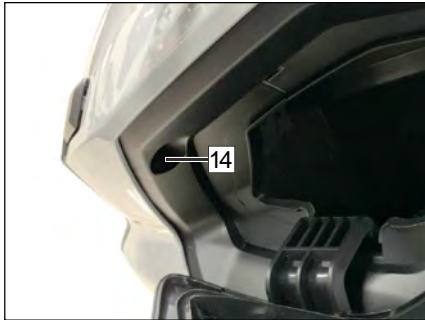


- Remove the bolts (12), open the fuel tank cover, remove the screws (13), open the left and right side storage box covers, remove the screws (14), unplug the front left and right turn signal connectors (15), and remove the left and right front side covers.



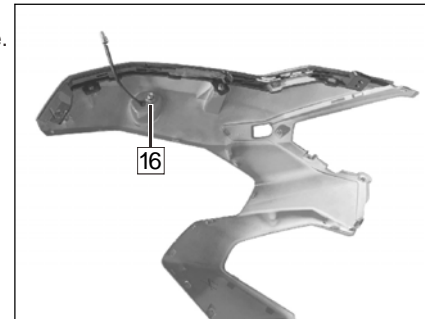
NOTES ON MAINTENANCE

Headlights/front left and right turn signals



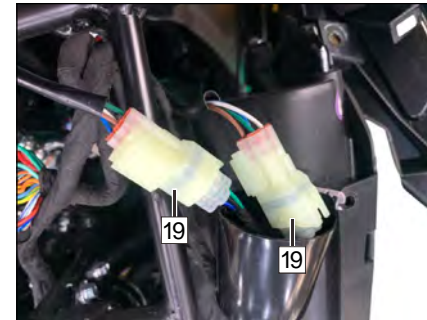
- Remove the screws (16) and replace the front left and right turn signals as needed.

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



NOTES ON MAINTENANCE

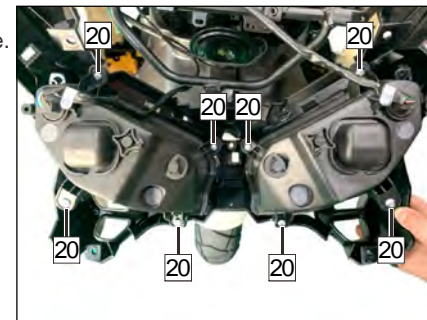
Headlights/front left and right turn signals



- Remove the bolt (17) (18) and unplug the headlight connector (19).
- Remove the screws (20) and replace the front left and right headlights as needed.

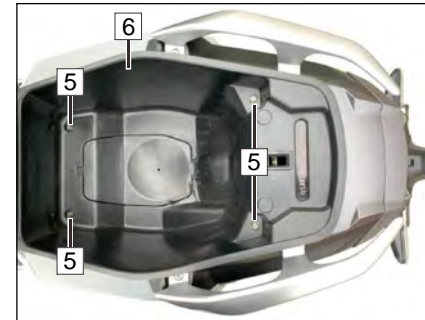
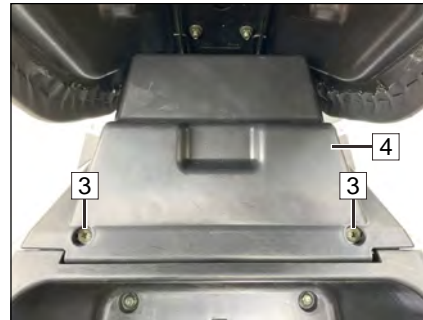
- The left and right headlights are LED light source and need to be replaced as a whole.

Installation takes place in reverse order to disassembly.



NOTES ON MAINTENANCE

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



Changing the light



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 light is LED.

Please change the whole light.

Rear direction indicator/tail/brake light

Light: LED 12V 1.44W/6.4W/9.5W

Rear registration plate light

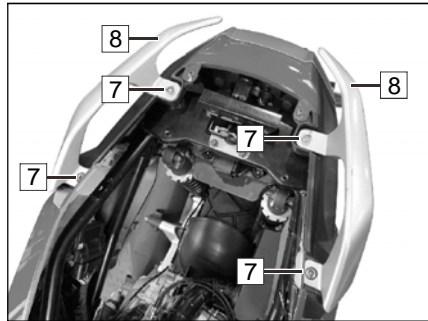
Light: LED 12V 0.5W

- Turn the switch to the "SEAT FUEL" position (1) and press "SEAT" (2) to open the seat cushion.
- Remove the bolts (3).
- Remove the battery cover (4)

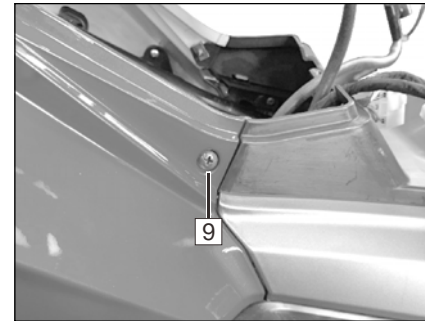
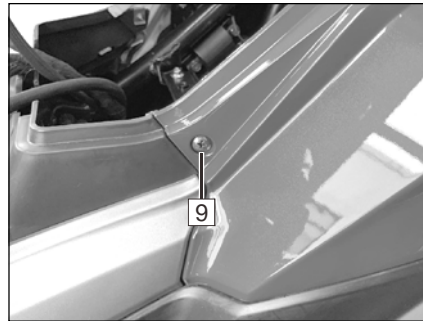
- Remove the socket head cap screw (5) and remove the miscellaneous box (6).

NOTES ON MAINTENANCE

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



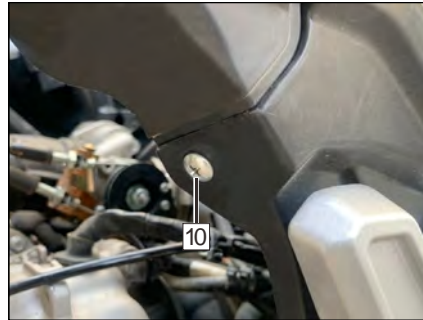
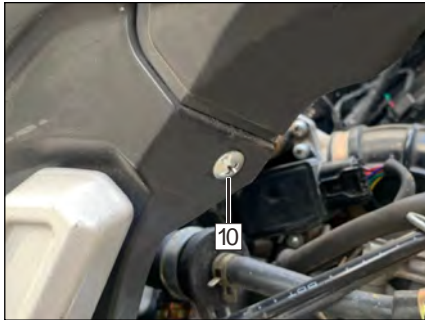
- Remove the screws (7) and remove the rear armrest (8).



- Remove screws (9) (10) (11) (12) and remove the rear side cover assembly.

NOTES ON MAINTENANCE

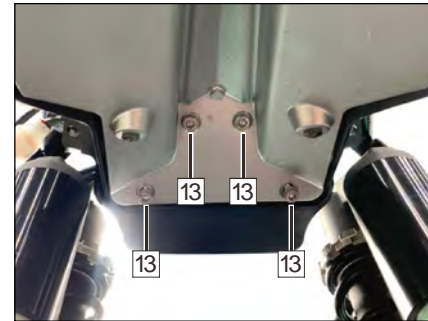
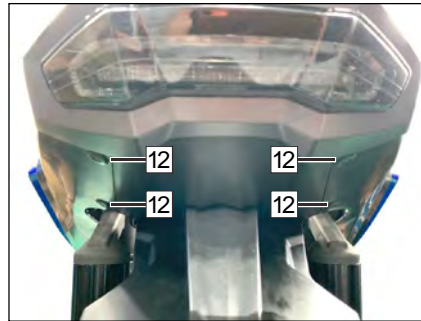
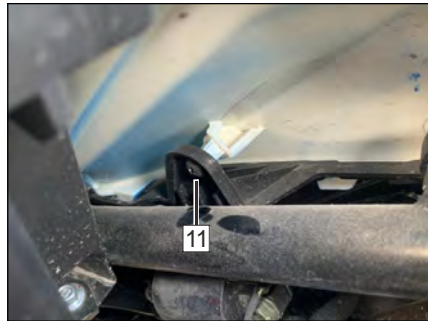
Rear direction indicator/tail/brake light/rear registration plate light



- Remove screws (9) (10) (11) (12) and remove the rear side cover assembly.

NOTES ON MAINTENANCE

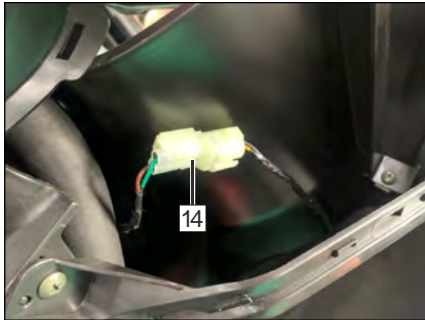
Rear direction indicator/tail/brake light/rear registration plate light



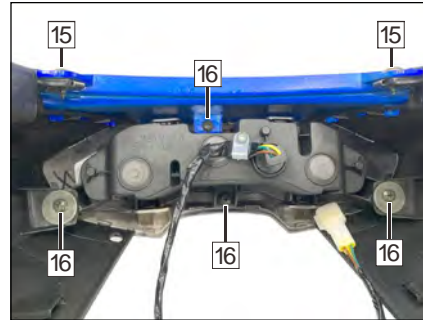
- Remove the bolts (13) and remove the rear fender assembly.

NOTES ON MAINTENANCE

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



- Unplug the rear taillight connector (14), remove the screws (15), and remove the rear center, left and right covers.



- Remove the screws (16) and replace the rear taillight.



- Unplug the rear license plate light connector, remove the screws (17) and nuts (18), and remove the rear fender aluminum bracket.

NOTES ON MAINTENANCE

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



- Remove the nut (19) and replace the rear right and left turn signals.
- Remove screws (20) and remove the lower section of the rear mudguard (21).

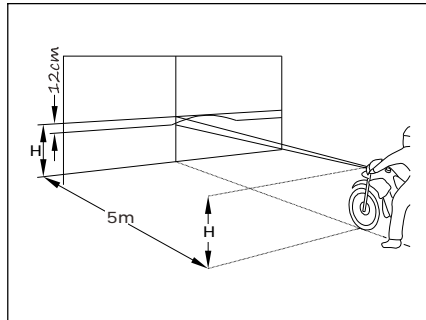


- Remove the screws (22) and replace the rear license plate light.
- The rear tail light, rear left and right turn signal light, and rear license plate light are LED light source and need to be replaced as a whole.

Installation takes place in reverse order to disassembly.

NOTES ON MAINTENANCE

Check the headlamps

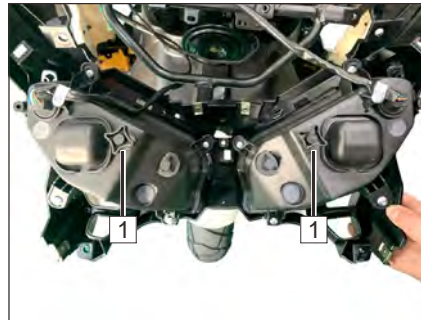


Do not run the engine in an enclosed space (risk of asphyxiation).

The motorcycle is placed on a flat surface 5 meters (measured from the headlight) from a light-colored wall, with the rider sitting on the motorcycle and the tires inflated at the correct pressure.

- Measure the distance from the floor to the center of the headlight and mark the height on the wall with a cross. Draw a second cross 12 centimeter beneath the first cross.

Adjusting the headlamps



NOTE

If you have problems adjusting the headlights, see a specialized dealer. An incorrect adjustment is punishable by law. Remember, you are responsible for the correct adjustment of the motorbike headlight.

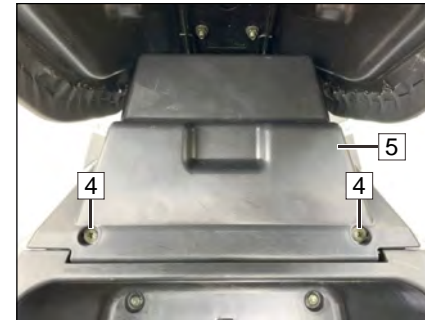
- Start the scooter and run the engine.
- Activate the dipped beam.
- Adjust the light vertically through the knob (1). Turn clockwise to raise the light height, counterclockwise to lower it.

NOTES ON MAINTENANCE

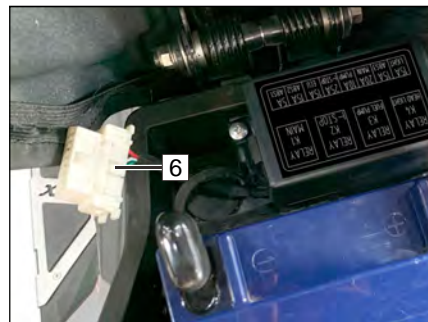
Fault diagnosis tester



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



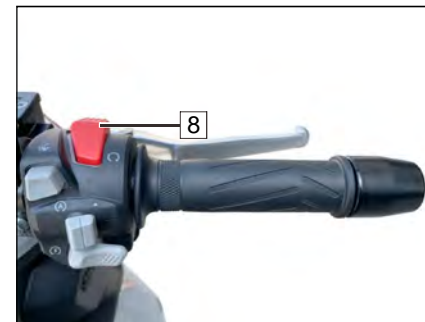
2. Remove the two screw (4), Open the inspection cover(5).



3. Connect fault diagnosis tester (7) to the connector (6).



4. Fault diagnosis tester (7).



5. Press right switch (8) to "↻" position.

Fault diagnosis tester



6. Turn the ignition key(9) to " ⤵ "position. 7. Put the side (10) stand back in horizontal position.

WARNING

When connect the fault diagnosis tester, right switch(8), ignition key(9) must be at " ⤵ " position, side stand (10) at horizontal position.

TECHNICAL DATA

	LJ125T-18A CBS/ABS
Engine type	LJ1P52MI-2
Construction:	One cylinder 4-stroke petrol engine
Piston displacement:	124.9 cm ³
Bore:	φ 52.4 mm
Stroke:	57.9 mm
Compression ratio:	11.0:1
Cooling:	Water cooling
Maximum net power output:	8.4 kW at 8500rpm
Maximum net torque:	11.0 Nm at 6500rpm
Fuel consumption:	2.5 L/100km
CO ₂ emissions:	56 g/km
Ignition system:	Transistorized ignition system with electronic ignition control (ECU)
Spark plug:	NGK CPR8EA9
Electrode gap:	0.7-0.8 mm
Fuel supply:	EFI
Idle speed:	1700±150 r/min
Air-filter:	Paper air filter
Type of starter:	Electric starter

TECHNICAL DATA

Power transmission	
Clutch:	Centrifugal type
Transmission:	CVT
Chassis	
Scooter version:	LJ125T-18A CBS/ABS
Front suspension:	Telescopic fork
Rear suspension:	Unit swing, hydraulic shock absorption, adjustable preload
Front wheel:	Light metal (Alu) MT3.00×13
Rear wheel:	Light metal (Alu) MT3.50×13
Front tire:	110/70-13 M/C 48S or 48P or 55L tubeless
Rear tire:	130/70-13 M/C 57S or 63S or 63P tubeless
Tire pressure:	Front: 2.25Kg/cm ² Rear: 2.50Kg/cm ²
Front brake:	Disc brake φ 240 mm,hydraulic
Rear brake:	Disc brake φ 220 mm, hydraulic

TECHNICAL DATA

Lubricants and operating fluids	
Fuel tank capacity:	13.5±0.1 Liter
Fuel:	Use fuel containing up to 5% ethanol by volume: E5. Unleaded fuel min. 95 Octane
Engine oil:	SAE 10W/40 mineral oil API(SL or higher)
Filling quantity:	1.0 liters
Usual quantity:	0.85 liters
Filling quantity (with oil filter replacement)	0.9 liters
Transmission oil:	Hypoid-oil SAE 80W-90 GL5
Filling quantity:	0.15 litres
Electrical Equipment	
Generator:	12V 361W
Battery:	12V 12Ah
Fuse:	25A 20A 15A 10A 5A
Head light:	Dipped beam/High beam LED 12V 9W / 12V 13.5W
Position light:	LED 12V 1.8W
Instrument lights Speedometer:	12V 0.2W
Control lights indicator and high beam:	12V 0.01W
Brake/rear light:	LED 12V 9.5W / 12V 6.4W
Front turn signal light:	LED 12V 1.44W
Rear turn signal light:	LED 12V 1.44W

TECHNICAL DATA

Dimensions and weights	
Overall length:	1960 mm
Width across handlebars:	780 mm without rear view mirror
Maximum height:	1270/1330 mm without rear view mirror
Wheel base:	1420 mm
Seat height:	800 mm
Dry weight:	147 kg
Curb weight:	156 kg
Max. permitted total weight:	316 kg
Top speed:	95 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 that has started with the date of delivery of the motorcycle.

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 lodging 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 3000 km, even earlier in trail running.
Seal rings, sealants, O-rings	Inspect during every maintenance and replace if necessary.
eals 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. Make sure to check at every service.
Cables	Depending on the maintenance that 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	Depends on the ambient temperature. Failure usually starts from the 6th month and may occur earlier if riding short distances for a long time.
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!
Brake cables, throttle cables	Depending on use and care, usually 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 out after 200 hours. Even sooner when riding primarily at full speed.
Spark plug	Inspection and replacement according to maintenance requirements.
Exhaust system, inspection of mountings	Depends on use and maintenance. Failure usually start from the sixth month, and occur earlier in the winter or short distances riding.

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

Checking and maintenance

The follow chart show the kilometers for maintenance. When reach the corresponding mileage, it must follow the instruction to check and make maintenance. Turning system, engine, electronic system, side stand and wheels are key important parts. It is necessary to have a professional technician to handle.

The symbol means: I: checking, clean, adjust C: clean R: change A: adjust L: lubrication T: tight

Mileage (kmX1000) Maintenance content	1	5	10	15	20	25	30	35	40
Spark plug			R		R		R		R
Drive triangle belt			R		R		R		R
Throttle	A		A		A		A		A
Belt cavity air filtration	I		I		I		I		I
Oil filter	R	R	R	R	R	R	R	R	R
Oil screen	C		C		C		C		C
Valve clearance	A		A		A		A		A
Engine oil	R	R	R	R	R	R	R	R	R
Gearbox oil	R	I	R	I	R	I	R	I	R
Driving wheel shoe			R		R		R		R
Clutch roller			R		R		R		R

INSPECTION PLAN

Maintenance period Maintenance content	Odometer (KM)(Remark 2)																
	300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	Everyday check before riding
Friction disc					I				I				I				
Brake system		I, A			I, A				I, A				I, A				
Brake					I				I				I				
Front headlight beam adjustment					I				I				I				
Clutch		I			I				I				I				
Side stand/Main stand					I				I				I				
Suspension					I				I				I				
Screw/bolt/fasteners (Remark 3)		I							I								
Wheel(Remark 3)		I			I				I				I				
Turning system		I											I				
Cooling fluid						I					I					I	

Remark:

1. When the mileage is over the highest on the table, please perform according to the period set on the table.
2. Driving on dusty place, it is recommended to clean it frequently.
3. Often drive on bad road condition, make the maintenance and service more frequently.

MAINTENANCE CONFIRMATION

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

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.....

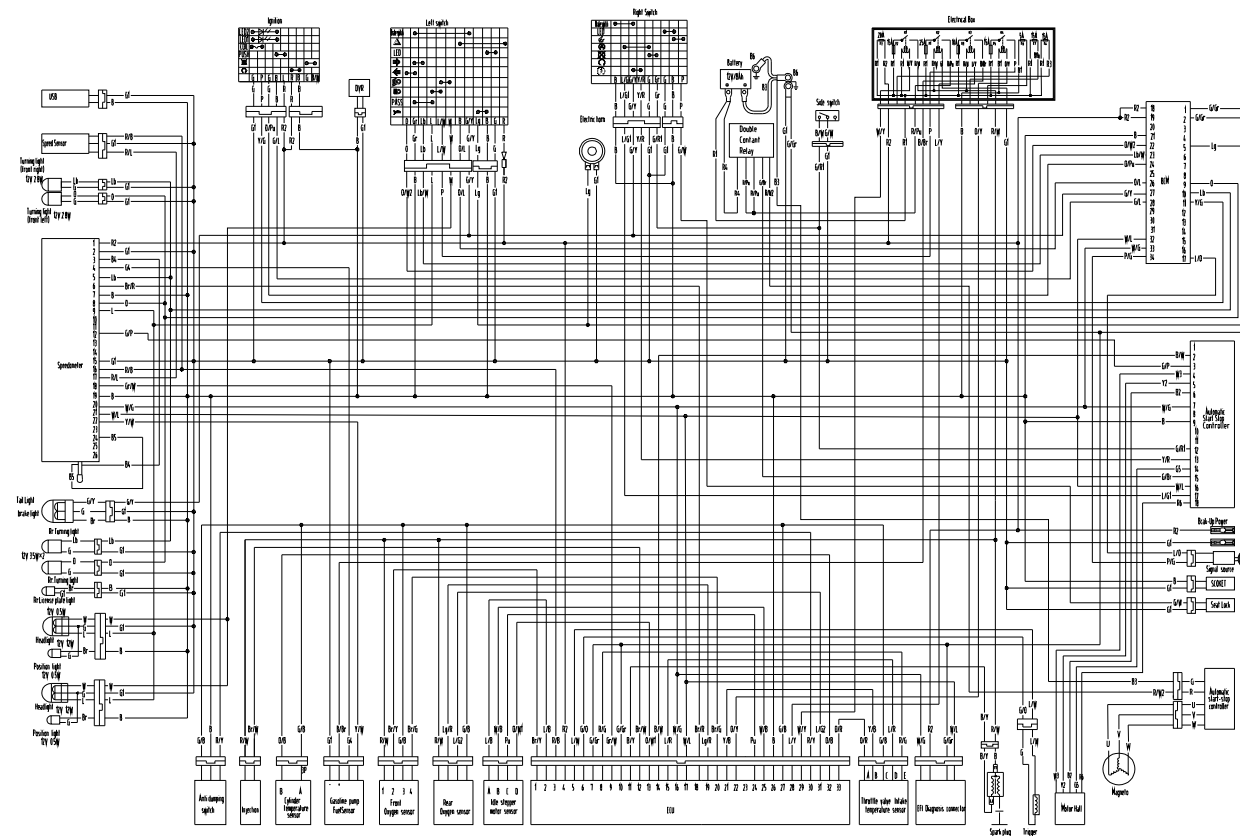
Stamp, signature

New brake fluid
Yes no

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

Stamp, signature

Circuit diagram(CBS)



Circuit diagram(ABS)

