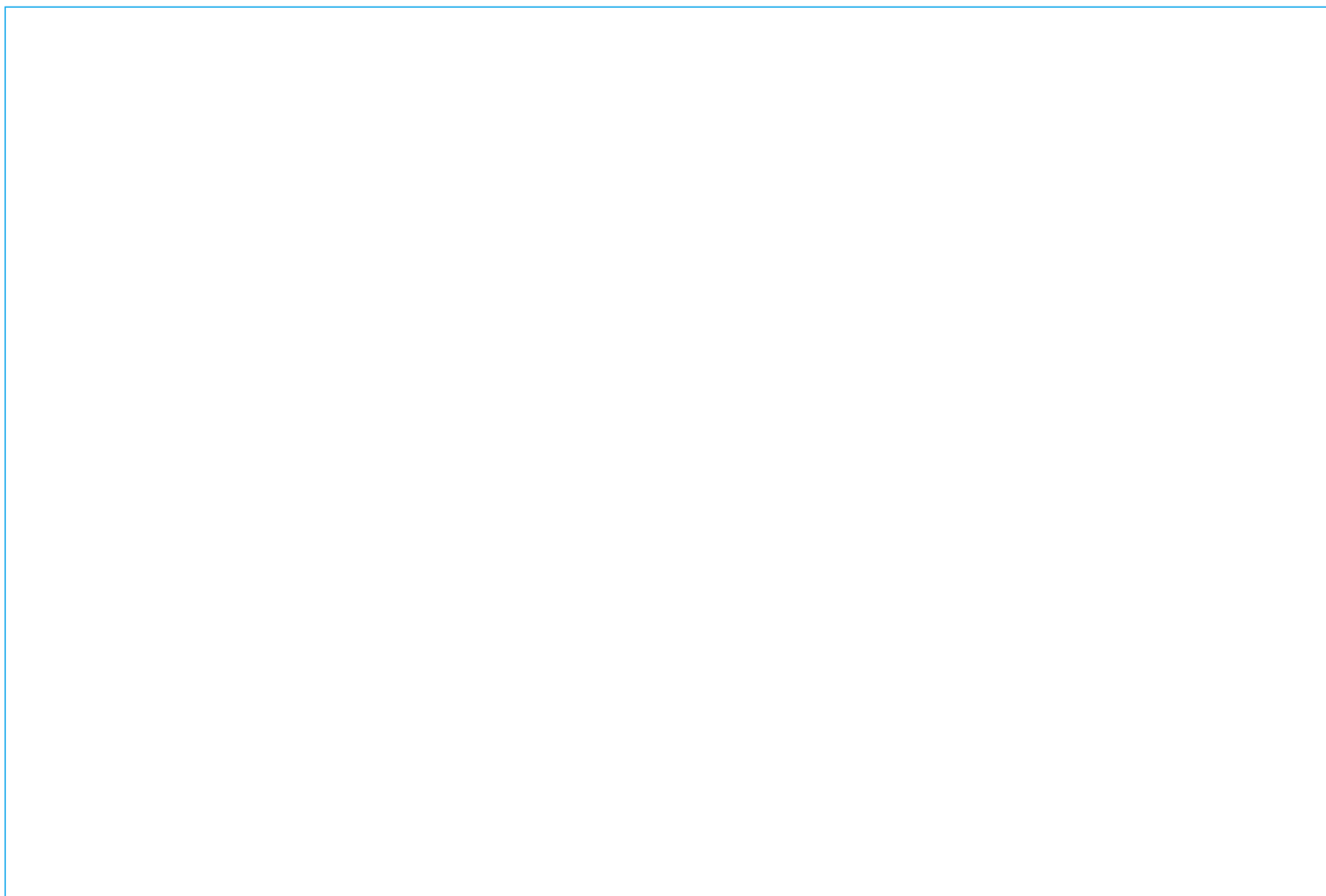




Owners manual

SIXTIES 250



PREFACE

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

This model is a sturdy scooter in modern design.

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

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

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

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

We wish you at all times a safe journey.

Yours

Safety symbols and notes

Please observe the following:

WARNING

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



FIRE HAZARD

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



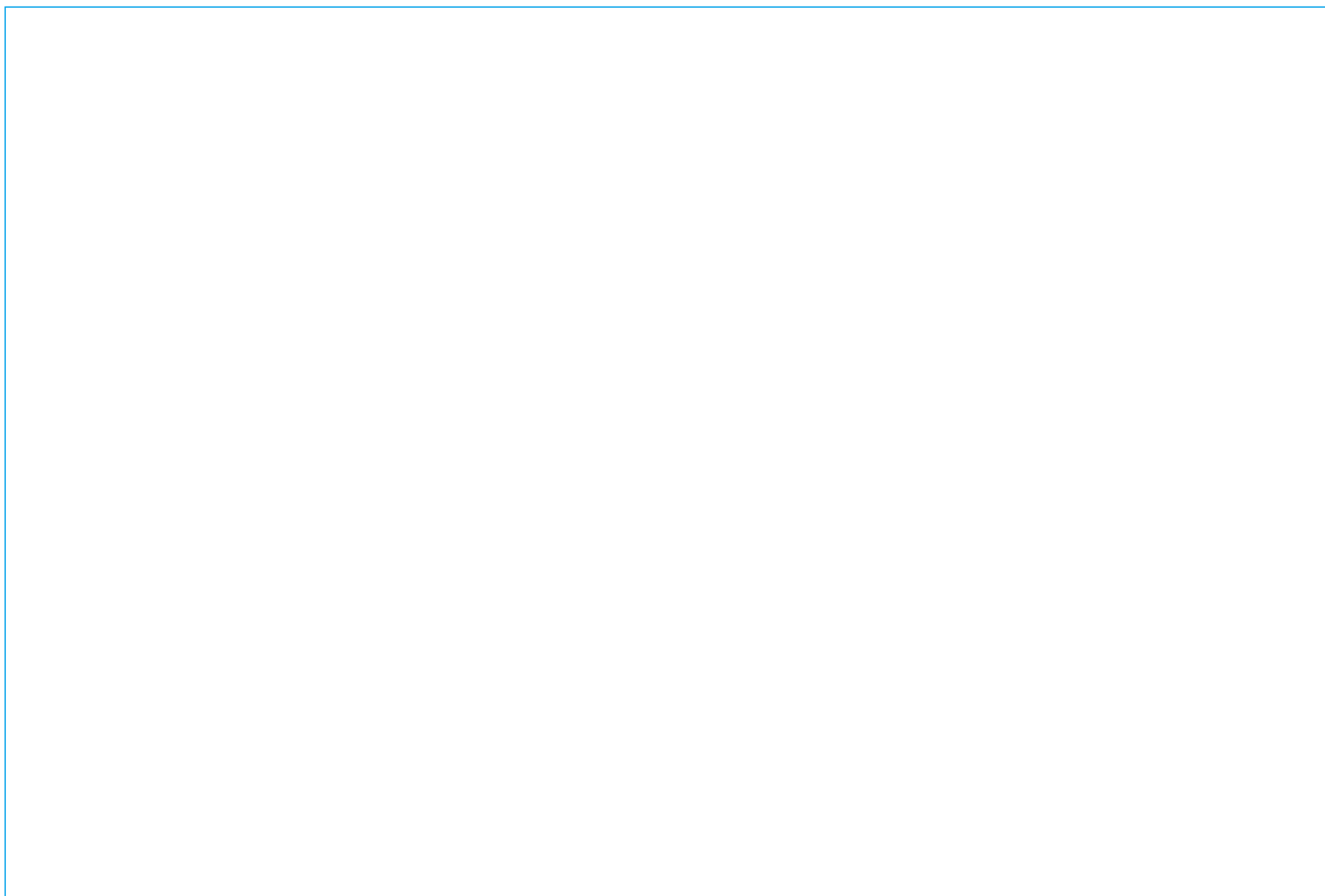
CAUTION

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



NOTE

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



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TECHNICAL DATA

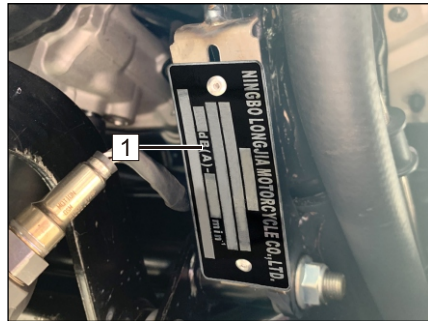
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SUMMARY AND OPERATION

Identification number



NOTE

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

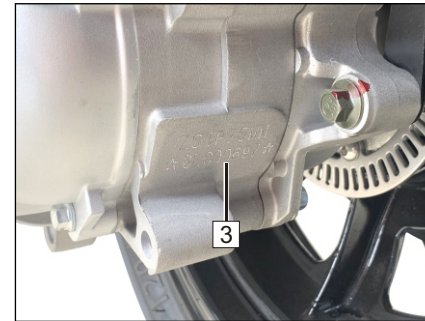
The identification number (1) is located on the frame below the right side cover.

Chassis number



The VIN locates 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

The 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

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



OVERVIEW AND OPERATION

Left-hand side view

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



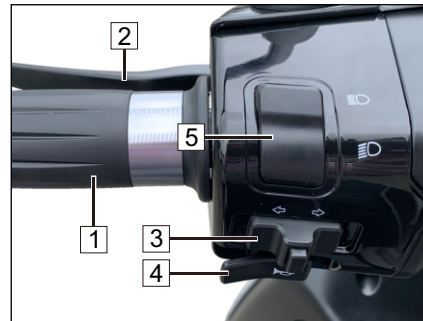
OVERVIEW AND OPERATION

Instrument



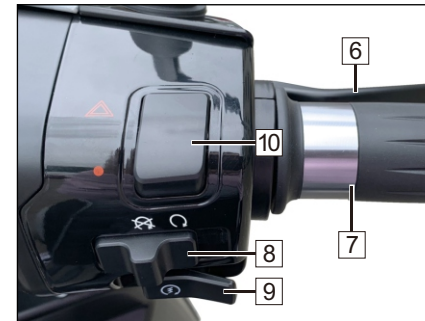
- | | |
|---|----------|
| 1 Speedometer | km/h/mph |
| 2 Odometer | km |
| 3 Fuel indicator | |
| 4 Clock | |
| 5 Oil pressure indication | |
| 6 External temperature display | |
| Instrument lights | |
| 7 Left direction indicator | green |
| 8 Right direction indicator | green |
| 9 High beam indicator | blue |
| 10 EFI warning Indicator | orange |
| 11 ABS warning indicator | orange |
| 12 Engine coolant temperature indicator | red |

Handlebar instrument, left



- | |
|----------------------------------|
| 1 Fixed grip |
| 2 Handbrake lever for rear brake |
| 3 Direction-indicator switch |
| ⇐ Switch to left |
| Left indicator on |
| ⇒ Switch to right |
| Right indicator on |
| Push button for switch off |
| 4 Horn |
| 5 High beam indicator |
| High beam |
| Low beam |

Handlebar instrument, right



- | |
|--|
| 6 Handbrake lever for front brake |
| 7 Throttle |
| 8 Engine off switch |
| ↻ When the switch is on" ↻ " position, |
| the engine can be started. |
| ✗ When the switch is on" ✗ " position, |
| it has no power, the engine can not |
| be started. |
| 9 Starter button |
| 10 Hazard warning lamp switch |
| • Off |

OVERVIEW AND OPERATION

Instrument



A/B. Adjustment button

1. Time setting

In ODO mode, long press A and B to enter the clock adjustment state, and short press A to switch hour-minute-year-month-day, short press B once to increase the value by 1, and long press to increase rapidly; when the clock setting is completed, press A and B to save and exit the setting mode, and return to ODO. The clock begins to tick.

2. Total mileage (ODO) and single mileage (TRIP)

Short press B to switch ODO (Clock) - Trip (Year) - Trip (Month-Day) display.

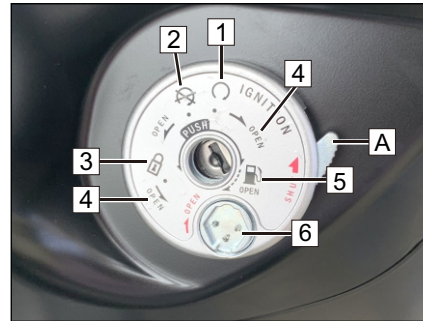
3. Metric and imperial system switch

In the ODO display mode, long press B to switch between metric and imperial system.

4. Zero for single mileage

In Trip mode, long press A and B, single mileage is cleared to zero.

Ignition and fork-column lock



⚠ WARNING

While riding, do not switch the ignition off "X"!

📖 NOTE

Keys

The scooter is equipped with two separate keys. Keep the spare key at a safety place.

Key positions

📖 NOTE

Activate the parking light only for a limited period. Take into account the charge of the battery.

The key can be removed in positions "X" and "🔒".



(1) Operating position

Ignition and all circuits activated.



(2) Ignition off

Fork column not locked (handle-bars can be freely turned to the left or right).



(3) Fork column locked and ignition off

Rotate the handlebar to the far left. Push and turn the key counterclockwise until it is in the LOCK 🔒 position.

The fork column is now locked.

(4) Open

With the key in the "X" position, turn it counterclockwise to open the seat.

With the key in the "🔄" position, turn it clockwise to open the seat.

(5) Open

With the key in the "X" position, press the key and rotate it clockwise to this position to open the fuel tank cap cover.

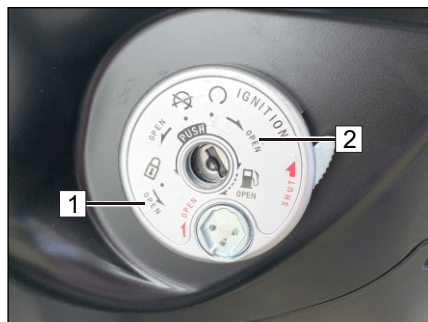
(6) Shut open

Press A to close the keyhole.

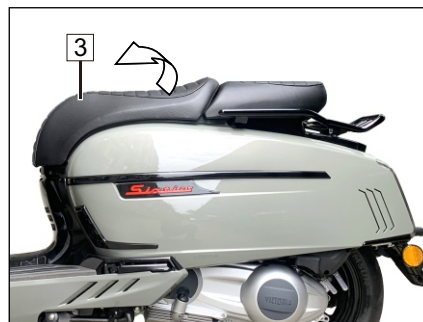
Place the magnetic head on the key in position (6) and rotate clockwise to open the keyhole.

OVERVIEW AND OPERATION

Storage box



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



Unlock

- With the key in the "X" position, turn it counterclockwise to 1 to open the seat.
- With the key in the "C" position, turn it clockwise to 2 to open the seat.

Lock

- Press down the seat (3) until the lock is engaged.
 - Pull out the ignition key.
- Never leave the key in the storage box.



WARNING

After the seat is closed, check if it was locked firmly.

Maximum load capacity: 10 kg

Luggage hooks



CAUTION

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

Use the hooks (4) only for small luggage pieces.

Fuel, fuel tank

WARNING

Fuel is highly inflammable and can explode. Do not smoke or bring a 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 oil tank, because fuel vapor 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

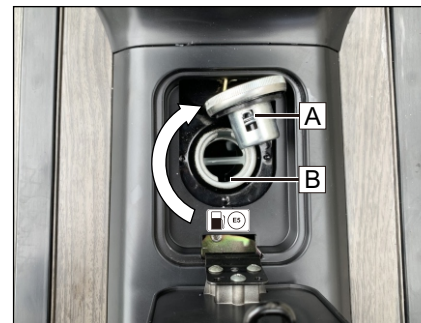
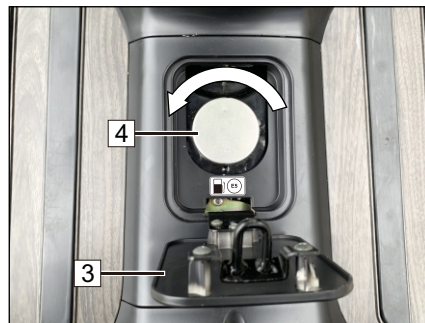
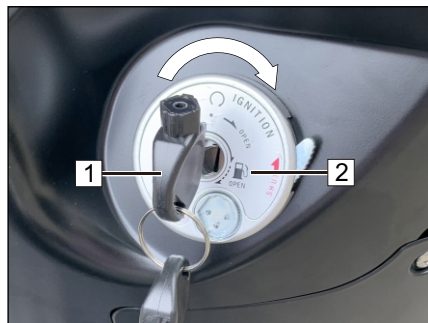
When the fuel level is low, the last section of the fuel level indicator flashes, please replenish the fuel in time.

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 tank cap is located in the middle of the foot pedal.

Unlock:

- With the key(1) in the "LOCK" position, press the key and rotate it clockwise to the position(2) to open the fuel tank cap cover(3).
- Turn the tank cap(4) counter-clockwise and open the tank cap.

LOCK:

- Align A to B, press the tank cap and turn it clockwise.
- Press down the seat until the lock is engaged.
- Pull out the key.



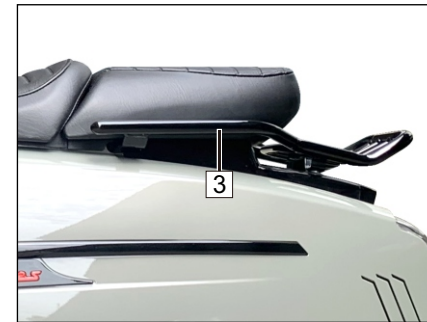
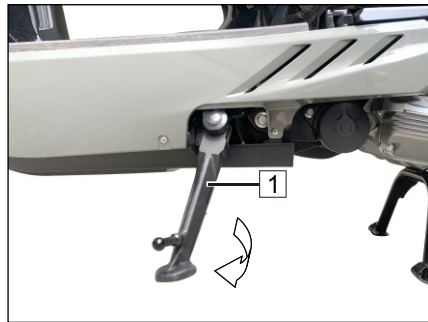
NOTE

Fuel

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

OVERVIEW AND OPERATION

Side stand and main stand



Prop up the scooter with 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 the side stand(1)on vertical position.
- Slowly tilt the scooter to the left until its weight is supported by side stand.

Main stand

- Switch off the engine.
- Put your left hand on the left-hand handle-bar grip.
- Hold rear holder grip(3)with your right hand.
- Push the main stand(2)down until its fork touches the ground.
- Put you full body weight on the operating mandrel of the main stand.
- Pull the scooter backwards and upwards 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 judge whether each third-part product can be safely used on your scooter.

Products' 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

**Do not exceed the total allowable weight.
Check the tyre pressure.
Check the lights**

WARNING

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

- Check that the headlamps and lenses are clean.

Ride safely



CAUTION

Riding safety is also 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.

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

RIDING INSTRUCTIONS

Ride economically and be aware of the environment

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

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

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

Avoid rapid acceleration

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

Do not use excessive revs; be as smoothly as possible.

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

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

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

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

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

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

Observe the following aspects for economical fuel consumption:

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

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

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

RIDING INSTRUCTIONS

Running-in

Running-in instructions for engine and transmission.



CAUTION

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



NOTE

During the running-in period, ride in frequently changing load and rpm ranges. Select winding and slightly hilly routes. Avoid 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 time 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

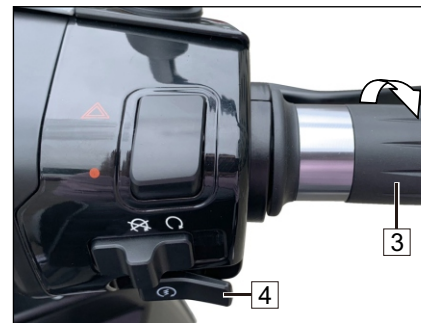
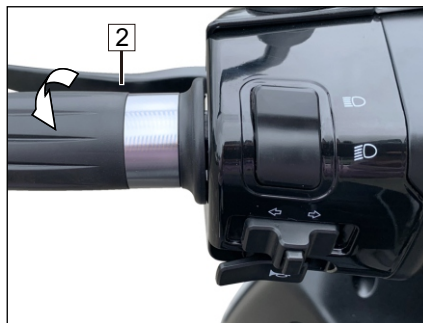
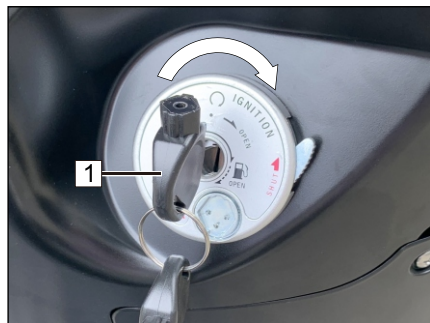


WARNING

New brake linings must be running-in and will not have their force of friction until after 500 km. Increasing the pressure on the brake lever can slightly enhance the braking effect. During this period, avoid unnecessary hard braking.

RIDING INSTRUCTIONS

Starting with the electric starter



WARNING

Prop up the scooter with the main stand. Operate the rear handbrake lever to avoid a moving of the scooter.

Avoid high engine rpm while the vehicle is standing still, otherwise the clutch will engage.



NOTE

The scooter is equipped with a side stand switch. If the side stand is folded up, the engine is shut down and will not start.

Before starting

- Prop up the scooter with the main stand.
- Turn the ignition lock (1) with the ignition key to its operating position "↻".
- Do not open the throttle grip (3).
- Pull and hold the handbrake lever (2).
- Push the start button "⏻" (4).
- If the engine can not be started after the starter motor is running for 3-5 seconds, open the throttle grip (3) 1/8 to 1/4 turn and start again.
- Push the scooter off its main 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 closed space. Exhaust gases are highly toxic and will lead to death.

RIDING INSTRUCTIONS

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 when they are dry.

Salt covers on the brakes

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

Oil and grease

WARNING

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

If the scooter is not used for a while, a layer of rust 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 period of placement, carefully operate the brakes several times until they work normally.



NOTE

Make sure to practice emergency brake maneuvers, but do so in a place that does not pose a danger to yourself or others (e.g. an unoccupied parking lot).

WARNING

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

Dirty brakes

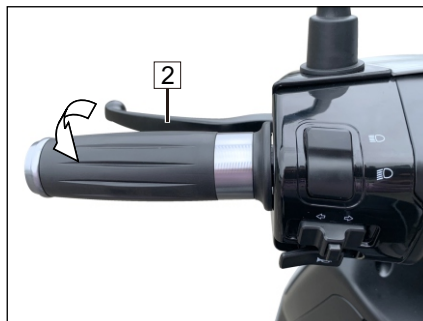
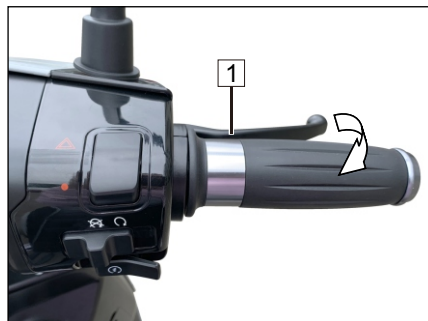
When riding on dirty streets, the braking effect can be delayed due to dirty brake discs and pads.

WARNING

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

RIDING INSTRUCTIONS

Braking



Braking

The front brake and rear brake are operated independently from each other. 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).

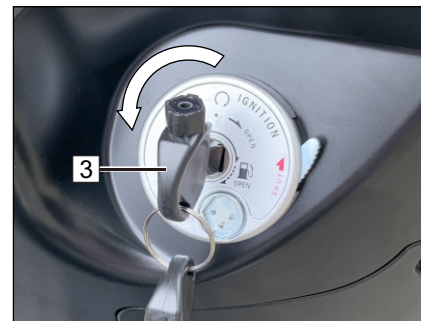
When stopping or slowing down, release the throttle grip and operate both brakes at the same time.

On tight curves, sandy / dirty streets, wet asphalt and icy roads, use the front brake carefully. If the front wheel locks, the vehicle will slide sideways.

Brake with care. Locked wheels do not have much braking effect and can lead to skidding / crashing. In principle, do not brake on a curve, but before the curve.

Braking on a curve increases the danger of sliding.

Stopping the engine



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

SERVICE INSTRUCTIONS

Servicing the scooter / cleaning agents



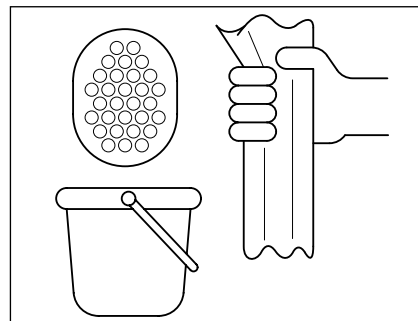
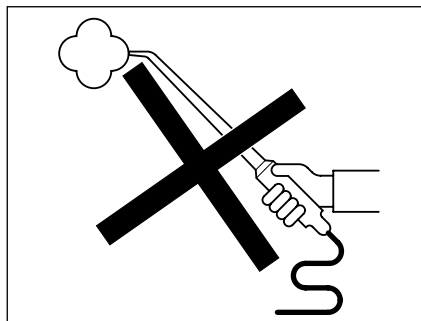
NOTE

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

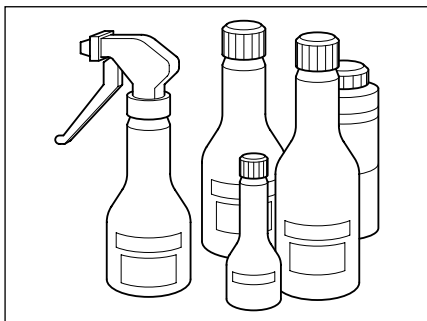
Do not use steam or high-pressure jet devices! Such devices can damage seals, the hydraulic braking system and the electrical system.

CLEANING

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

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, thoroughly clean the chassis and aluminum parts, and preserve them with a commercially available anti-corrosion agent.

Operation in winter and anti-corrosion protection



NOTE

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

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



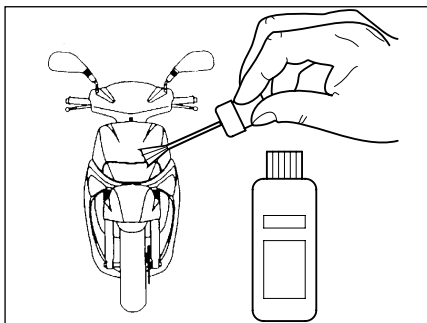
CAUTION

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

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

SERVICE INSTRUCTIONS

Repairing paint damage



Minor paint damage should be immediately repaired.

Servicing tyres

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

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

WARNING

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

Lay-up / commission

Lay-up

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



NOTE

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

Commission

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

SERVICE INSTRUCTIONS

Technical changes, accessories and spare parts



WARNING

Technical changes to the scooter can lead to invalid warranty.

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

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



CAUTION

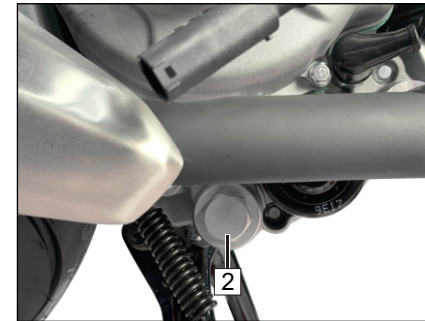
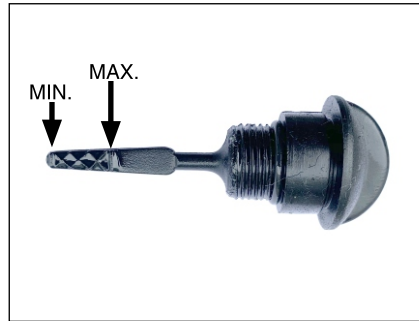
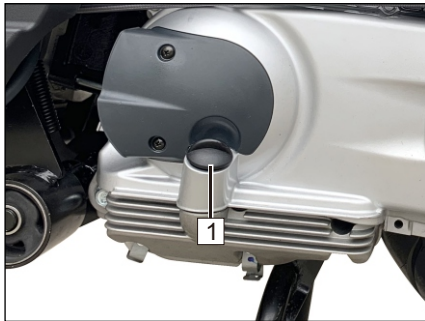
We recommend using only approved accessories and original spare parts for our scooter.

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. He 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 in all respects. Even the slightest inclination towards the side will produce measurement errors.

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

CAUTION

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

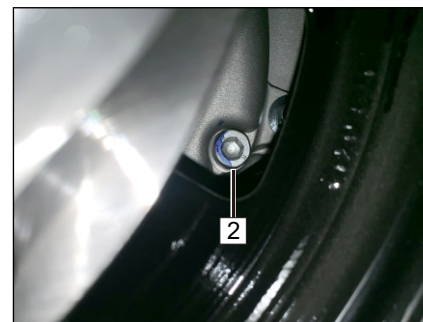
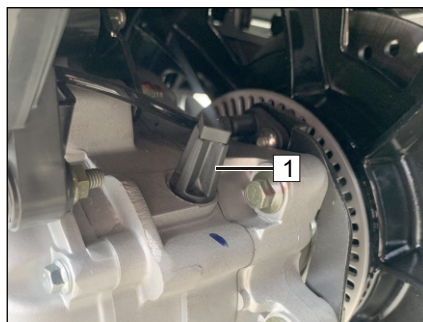
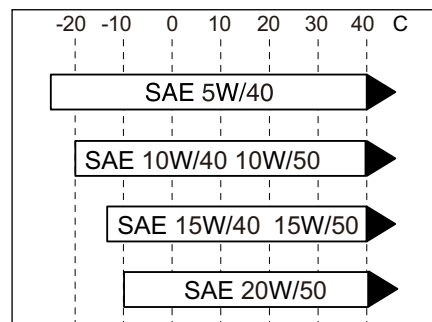
- The oil level must be between the minimum and maximum marks.
- Tighten the oil filler cap by hand.

If required, replenish the engine oil SJ 5W/40 until the oil level up to the maximum level mark.

- When change new engine oil, open the oil hole screw (2), till all engine oil flows out, then tighten the screw (2) and add new oil until the oil level up 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 5W/40 mineral oil API (SJ 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 mark.

Recommended grade:

Per API: SJ 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.

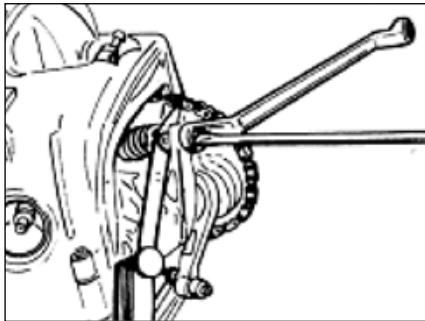
The recommended viscosity grade SAE 5W/40 covers the ambient temperature range -25°C to +40°C.

Checking the transmission oil level

- Stop the warmed-up engine, wait for approx. 5 minutes.
- Prop up the scooter on the parking stand.
- Remove the oil filler cap (1) and check if the oil level is lower than the minimum marks.
- If required, replenish transmission oil Hypoid SAE 85W-90 via the oil-filler opening.
- When change new transmission oil, open the oil hole screw (2), till all transmission oil flows out, then tighten the screw (2) and add new oil via the oil-filler opening.
- Tighten the oil filler cap (1).

NOTES ON MAINTENANCE

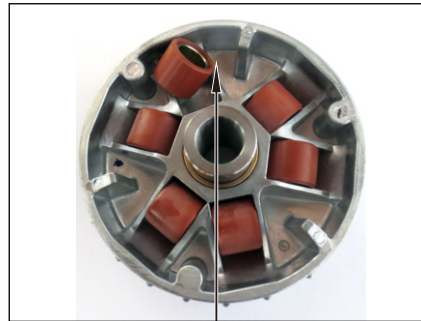
Regulating valve



Valve clearance

The valve clearance changes with use, resulting in improper air-fuel mixture and/or engine noise. To prevent this from occurring, the valve clearance must be adjusted by a dealer at the intervals specified in the periodic maintenance and lubrication chart.

IN: 0.1mm EX: 0.15mm



Roller inspection

Check if there is abnormal wear or damage on the roller. If necessary, replace the rollers as a set.



NOTE

Clean all above parts. Check for any damage and replace if necessary.

Precautions for engine maintenance

1. When starting the engine, the throttle should be gently operated to start the engine for 30-60s, and then the cooler should be moderately opened to start the engine. Do not accelerate immediately after starting, and accelerate after 1-3min of running.
2. During electrical start-up, the starting time should not exceed 5s, and the starting time should be 10 seconds apart. If it cannot be started for 5 consecutive times, then need check for no fault. It is strictly prohibited to press the starting button after starting.
3. After the engine starts normally, Idle running for 3-5 seconds. Let the engine lubricate before driving, at the same time, attention should be paid to avoid high speed and heavy load operation before the engine is preheated.
4. The new machine is mounted on the motorcycle after the first 1,000 kilometers of driving, it cannot operate at high speed for long periods of time, nor can it rotate beyond its maximum speed of 80. Do not operate the throttle valve in full open condition, after 500 kilometers, a repair should be carried out to compensate for the slight wear and tear in the running-in period, so as to ensure the good performance of the engine.
5. Clean the oil /gas separator and check and clean the air filter every 2000 km, the main purpose is to remove the oil stored in the oil and gas separator, check the sealing condition of each binding surface of the air filter, and remove the sand and dust on the air filter chamber and filter element. When assembling, pay attention to the sealing of each joint face, and replace or repair the parts that have lost the sealing function to ensure the air filtration effect, prolong the service life of the engine piston block, effectively avoid burning oil or power shortage.

NOTES ON MAINTENANCE

Checking the steering bearings



NOTE

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

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

If the fork column bearing shows noticeable clearance, it must be adjusted by a specialized 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.

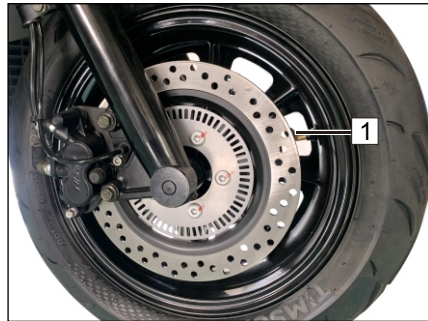


NOTE

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

NOTES ON MAINTENANCE

Tyre profile



Checking the tyre profiles

WARNING

Observe the minimum profile depth prescribed by law.

Never ride without valve caps(1). Firmly tightened valve caps to prevent the tyre from suddenly losing pressure.

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

Recommended minimum profile depth:

2.0 mm

Observe the wear marks(3).



Checking the tyre pressure

WARNING

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

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

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

Tyre pressure

One rider: Front: 1.75Kg/cm² Rear: 2.00Kg/cm²

Two riders: Front: 2.00Kg/cm² Rear: 2.25Kg/cm²

Tyre size

Front 120/70-12 58L/58P

Rear 120/70-12 58L/58P

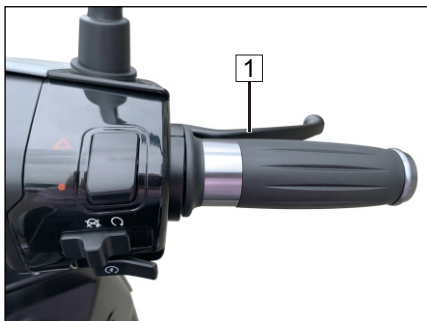
All Tyres are tubeless.

WARNING

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

NOTES ON MAINTENANCE

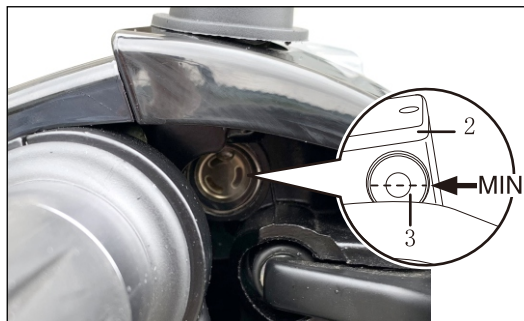
Front wheel brake



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.



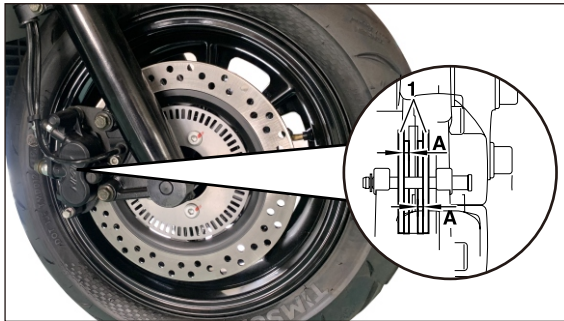
CAUTION

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 (MAX) mark.
- If air bubbles can be seen, check the brake linings for wear; if necessary, replenish the brake fluid by a dealer.

NOTES ON MAINTENANCE

Front wheel brake



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained.



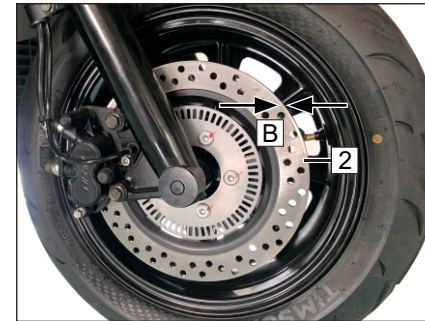
NOTE

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

- Checking the thickness of the brake lining.

Minimum thickness: **A = 2.0 mm**

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



Checking the disc brake

- Visually inspect the disc (2).

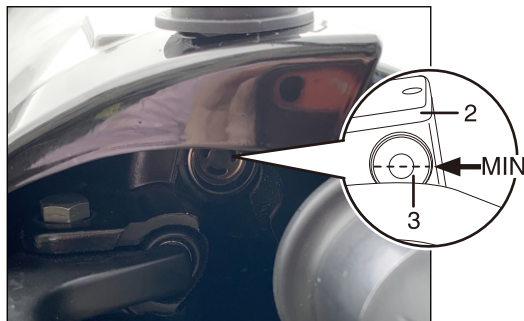
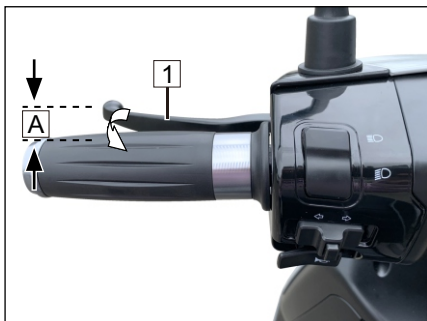
- Check the thickness of the disc.

Minimum thickness: **B = 3.0 mm**

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

NOTES ON MAINTENANCE

Rear wheel brake (For disk brake)



⚠ WARNING

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

Checking the brake-fluid level

⚠ WARNING

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

- 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 (MAX) mark.
- If air bubbles can be seen, check the brake linings for wear; if necessary, replenish the brake fluid by a dealer.

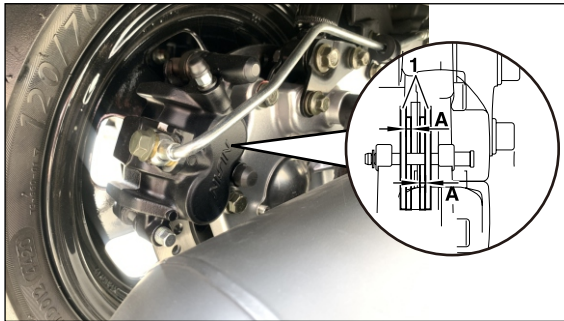


CAUTION

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

NOTES ON MAINTENANCE

Rear wheel brake (For disk brake)



Checking the brake linings



CAUTION

The minimum lining thickness must be maintained.



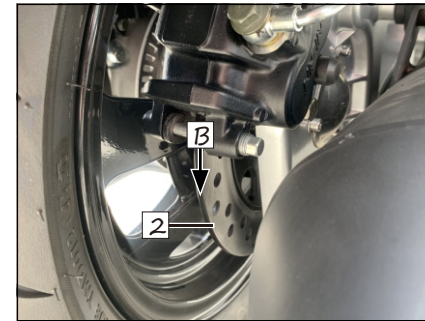
NOTE

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

- Checking the thickness of the brake lining.

Minimum thickness: **A = 2.0 mm**

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



Checking the disc brake

- Visually inspect the disc (2).

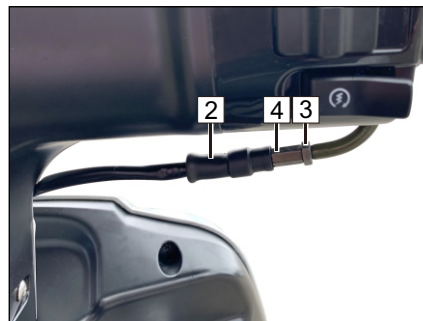
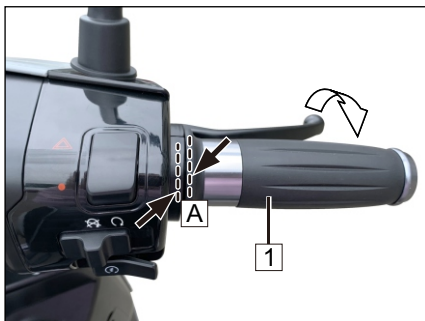
- Check the thickness of the disc.

Minimum thickness: **B = 3.0 mm**

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

NOTES ON MAINTENANCE

Adjusting the clearance 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 clearance.

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

Adjustment:

- Remove 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.
- Push back the protective cap (2).

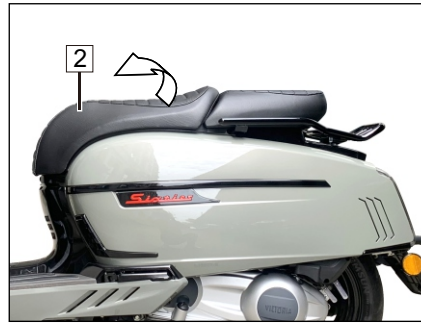
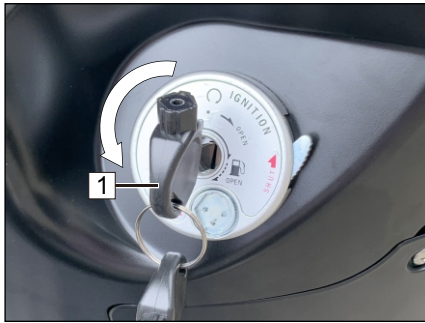


NOTE

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

NOTES ON MAINTENANCE

Cleaning the air filter



Check and change



NOTE

Check or change the air filter only when the engine is cold.

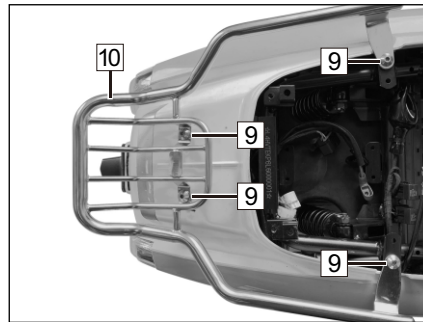
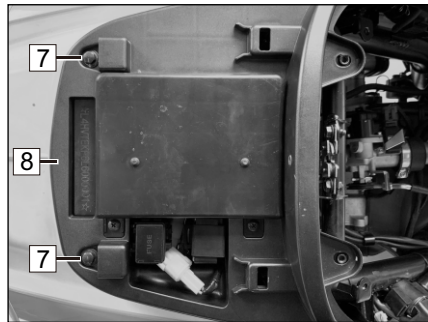
- With the key (1) in the "ON" position, turn it counterclockwise to open the seat (2).

- Remove the bolts (3) and take off the storage (4).
- Remove the screw (5) and take off the rear seat cushion (6).



NOTES ON MAINTENANCE

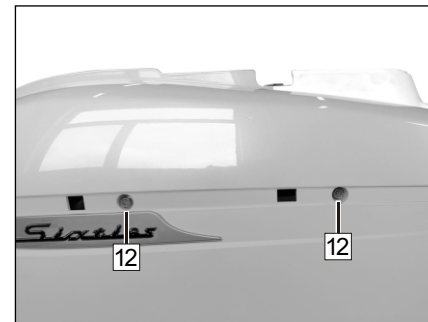
Cleaning the air filter



Check and change

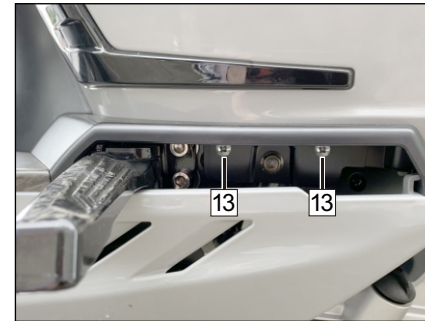
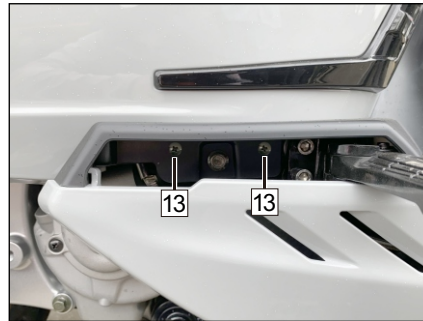
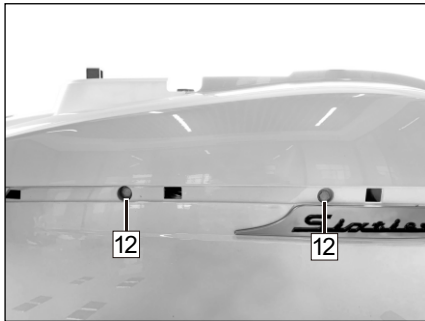
- Remove the two bolts (7), and take off the battery box (8).
- Remove the four bolts (9), and take off the rear holder grip (10).

- Remove the bolt (11).
- Remove left and right rear cover decorative strips, and remove the bolts (12).



NOTES ON MAINTENANCE

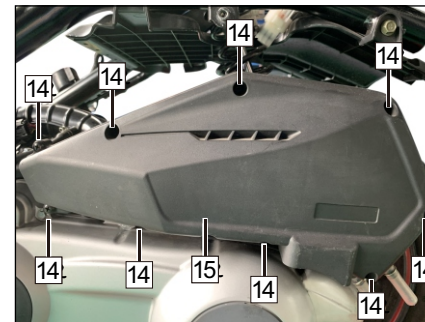
Cleaning the air filter



Check and change

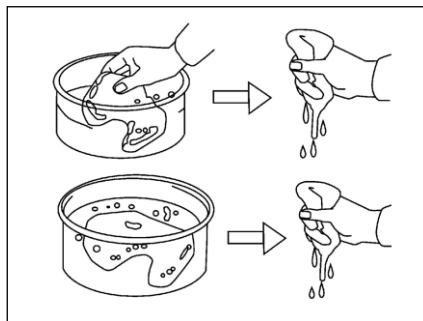
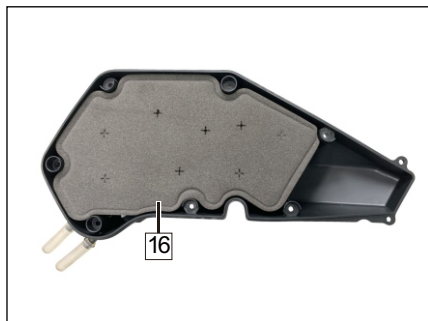
- Remove the screws (13).
- Confirm all screws are removed, lift up to remove the left and right side covers, take off the connecting wire.

- Remove the screws (14) and take off the air filter cover (15).



NOTES ON MAINTENANCE

Cleaning the air filter



- Remove the foam (16).
- Clean the foam with Motorrex air cleaner.
- Afterward soak the foam in the air filter oil and wring out.

Installation



NOTE

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



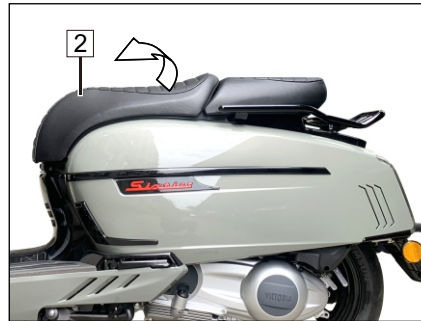
CAUTION

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 service life if the scooter is ridden 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



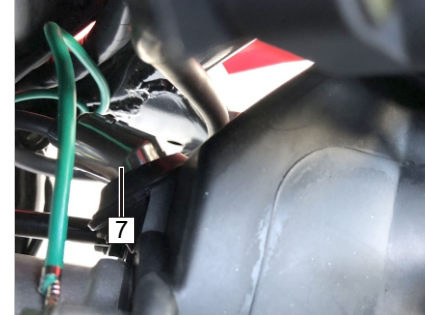
Check and change



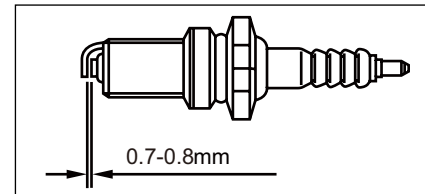
CAUTION

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

- With the key (1) in the "ON" position, turn it counterclockwise to open the seat (2).
- Remove the bolts (3) and take off the storage (4).
- Remove the screw (5) and take off the rear seat cushion (6).
- Unplug the spark plug connector (7).
- Unscrew the spark plug with the spark wrench from the on-board toolkit.
- Check the electrode gap (0.7-0.8mm), replace the spark plug if it is severely burnt away.

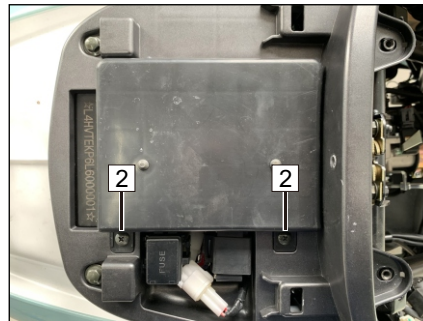


- Use a new spark plug **NGK CR8EKB** and tighten up.
 - Screw in the spark plug by hand and then tighten up with the spark wrench.
- Torque 11 N·m.**
- Installation takes place in reverse order to disassembly.



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.

- Open the front seat cushion according to the steps on P37, remove the rear seat cushion screw (1), and remove the rear seat cushion.
- Remove the two screws (2) and open the battery cover.
- Open the fuse case (3) and remove the fuse.

- A faulty or blown fuse must be replaced by a new one with 15 A.
- 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 maintains between 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 1/10 of the battery capacity (Ah).

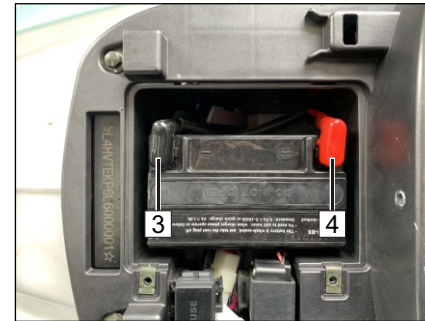
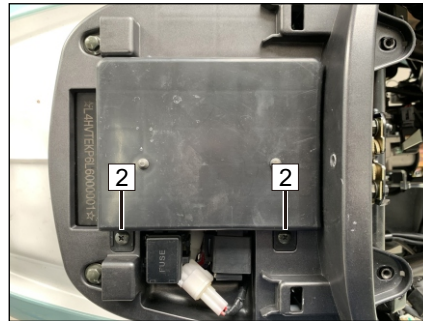
The battery must not be fast-charged. The battery may only be charged using a special charger approved for maintenance-free batteries.

Maintenance

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.

- Open the front seat cushion according to the steps on P37, remove the rear seat cushion screw (1), and remove the rear seat cushion.
- Remove the two screws (2) and open the battery cover.

First disconnect the negative terminal (3, black cable).

- Disconnect the battery.
- Remove the battery.

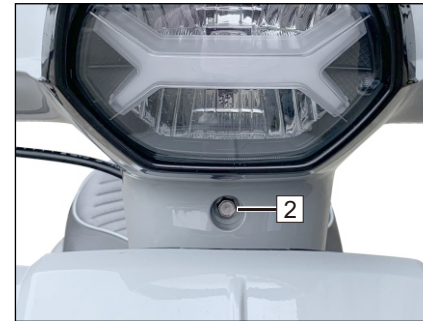
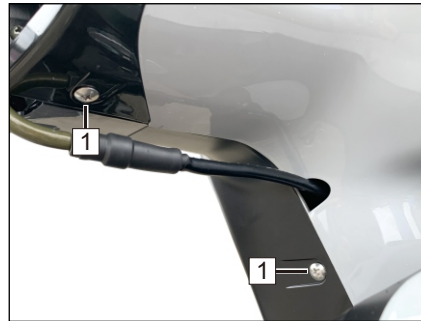
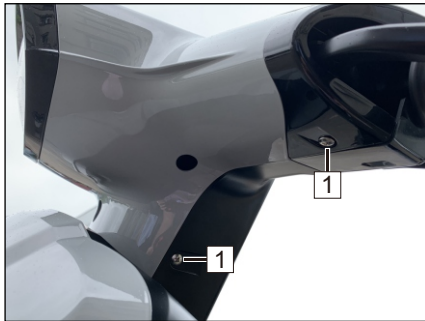
Installation takes place in reverse order to disassembly.

When installing the battery, first connect the positive terminal (4, red cable).

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

NOTES ON MAINTENANCE

Headlight



Changing the bulb



NOTE

Use only tested, genuine bulbs from the manufacturer.

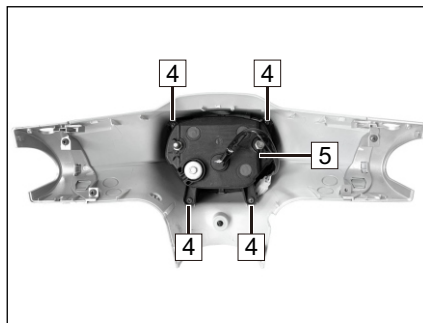
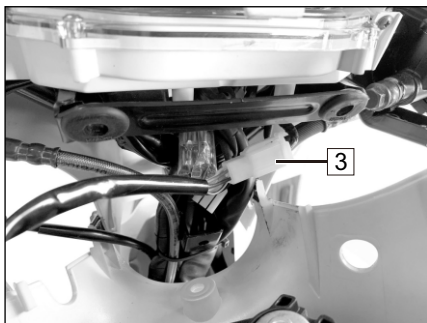
Do not touch the bulbs with bare fingers. Hold bulbs with a clean, dry cloth when installing or removing them.

- Turn off the ignition.
- Remove the covering screws (1).

- Remove the bolt (2).

NOTES ON MAINTENANCE

Headlight



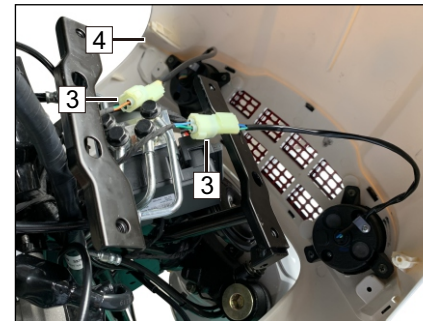
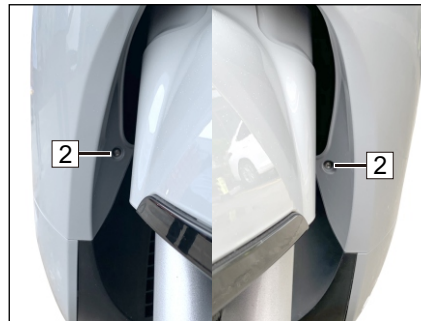
- Disconnect the plug (3).
- Take off the headlight cover.
- Remove the screws (4), change the headlight (5).

Low beam-high beam
bulb: LED 12V 9.48W/13.92W
Front Position light
bulb: LED 12V 4.35W

Installation takes place in reverse order to disassembly.

NOTES ON MAINTENANCE

Front indicator



Changing the bulb



NOTE

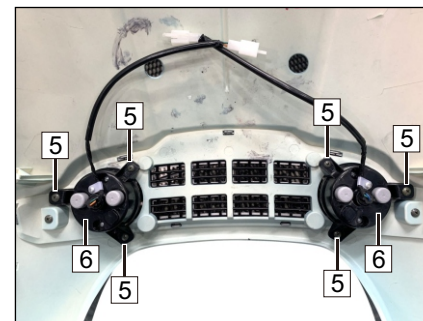
Do not touch the bulbs with bare fingers. Hold bulbs with a clean, dry cloth when installing or removing them.

- Turn off the ignition.
- Remove the covering screws (1)(2).

- Disconnect the plug (3), take off the front cover (4).
- Remove the screws (5), change the left and right turn lights (6).

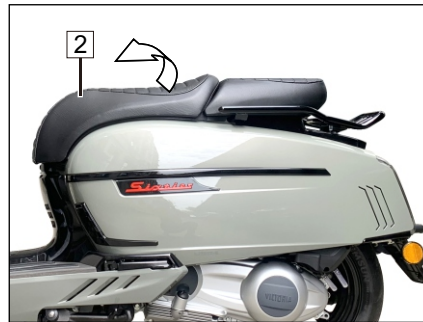
Installation takes place in reverse order to disassembly.

**Front turn signal light
bulb: LED 12V 3.48W**



NOTES ON MAINTENANCE

Rear indicator and tail / brake light / rear indicator



Changing the bulb

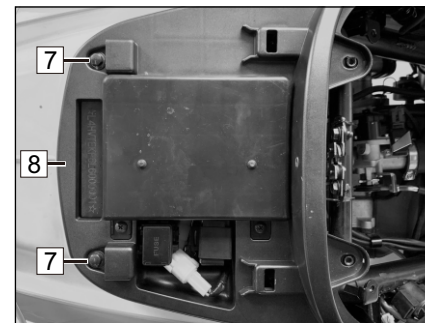


NOTE

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

Rear indicator

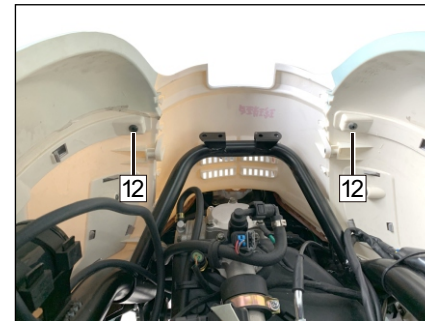
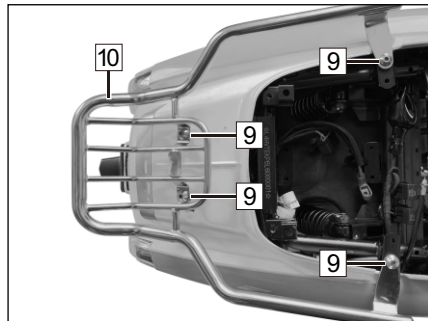
- With the key (1) in the "LOCK" position, turn it counterclockwise to open the seat (2).
- Remove the bolts (3) and take off the storage (4).



- Remove the screw (5) and take off the rear seat cushion (6).
- Remove the two bolts (7), and take off the battery box (8).

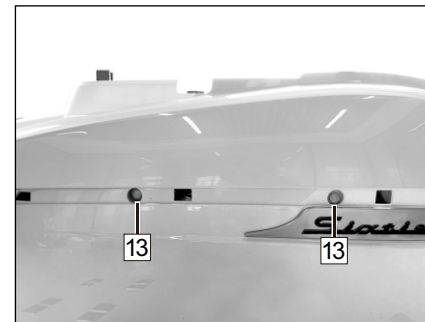
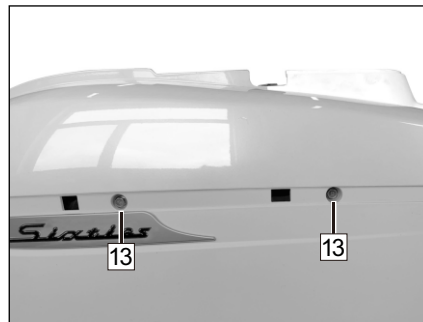
NOTES ON MAINTENANCE

Rear indicator and tail / brake light / rear indicator



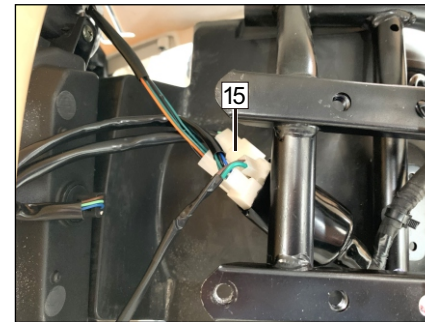
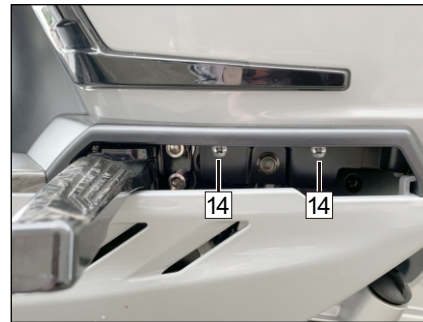
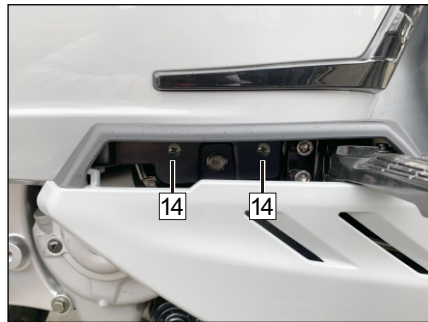
Rear indicator

- Remove the four bolts (9), and take off the rear holder grip (10).
- Remove the bolt (11).
- Remove the screw (12), and take off the left and right rear cover decorative strips, and remove the bolts (13).



NOTES ON MAINTENANCE

Rear indicator and tail / brake light / rear indicator



Rear indicator

- Remove the screws (14).
- Confirm all screws are removed, lift up to remove the left and right side covers , take off the connecting wire (15).
- Remove the screws (16), change the tail light.
- Remove the screws (17), change the rear left turn lights.
- Remove the screws (18), change the rear right turn lights.

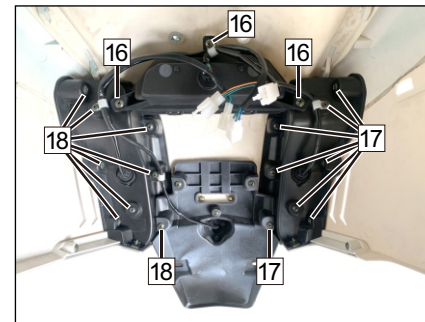


NOTE

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

Brake/rear light
bulb: LED 12V 2.4W/0.6W

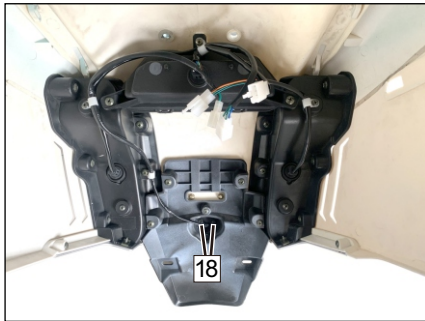
Rear turn signal light
bulb: LED 12V/3.48W



Installation takes place in reverse order to disassembly.

NOTES ON MAINTENANCE

Rear registration plate lamp



Rear indicator

- Remove the screws (18) (19), change the registration light.

Installation takes place in reverse order to disassembly.



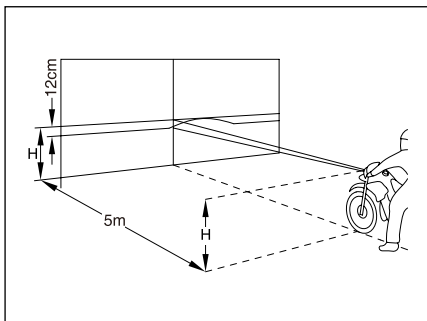
NOTE

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

Rear registration plate lamp
bulb: LED 12V 0.7W

NOTES ON MAINTENANCE

Check the headlamps



⚠ WARNING

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

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

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

Adjusting the headlamps



NOTE

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

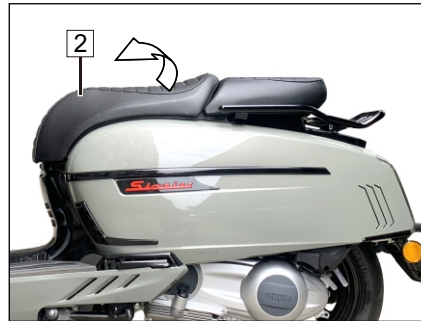
- Start the scooter and run the engine.
- Activate the dipped beam.
- Use a screwdriver to adjust the screws for the vertical and horizontal angle of the illuminated surface area of the road surface for the headlamp.

NOTES ON MAINTENANCE

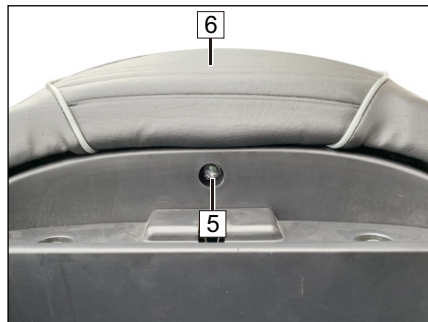
Fault diagnosis tester



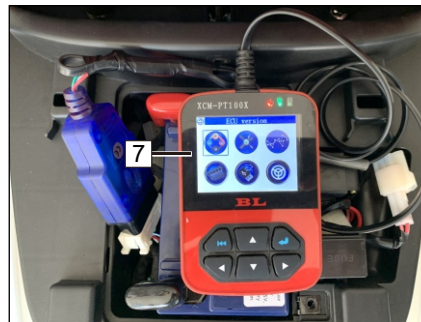
1. With the key (1) in the "LOCK" position, turn it counterclockwise to open the seat (2).



2. Remove the bolts (3) and take off the storage (4).



3. Remove the screw (5) and take off the rear seat cushion (6).



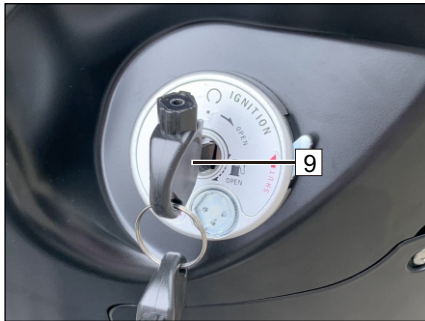
4. Fault diagnosis tester (7).



5. Right switch (8) at "LOCK" position.

NOTES ON MAINTENANCE

Fault diagnosis tester



6. The ignition key (9) at "↻" position.



7. Side stand (10) switch at horizontal position.

WARNING

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

TECHNICAL DATA

Engine type	ZS1P72MM
Construction:	One cylinder 4-stroke petrol engine
Piston displacement:	244 cm ³
Bore:	72 mm
Stroke:	60 mm
Compression ratio:	11.0:1
Cooling:	Water cooling
Maximum net power output:	15.6kW at 8000rpm
Maximum net torque:	21.0Nm at 6200rpm
Ignition system:	Transistorized ignition system with electronic ignition control (ECU)
Spark plug:	NGK CR8EKB
Electrode gap:	0.7-0.8 mm
Fuel supply:	EFI
Idle speed:	1700±100 r/min
Air-filter:	Oil filter air filter
Type of starter:	Electric starter

TECHNICAL DATA

Power transmission	
Clutch:	Centrifugal type
Transmission:	CVT
Chassis	
Scooter version:	
Front suspension:	Telescopic fork
Rear suspension:	Unit swing, hydraulic shock absorption, adjustable preload
Front wheel:	Light metal (Alu) MT 3.00 12
Rear wheel:	Light metal (Alu) MT 3.00 12
Front tire:	120/70-12 58Lor 58P tubeless
Rear tire:	120/70-12 58Lor 58P tubeless
Tyre pressure:	One rider: Front: 1.75Kg/cm ² Rear: 2.00Kg/cm ²
	Two riders: Front:2.00Kg/cm ² Rear: 2.25Kg/cm ²
Front brake:	Disc brake: 230 mm, hydraulic
Rear brake:	Disc brake: 220 mm, hydraulic

TECHNICAL DATA

Lubricants and operating fluids	
Fuel tank capacity:	10.0±0.1 Liter
Fuel:	Use fuel containing up to 5% ethanol by volume: E5. Unleaded fuel min. 95 Octane
Engine oil:	SAE 5W 40 mineral oil API (SJ or higher)
First filling quantity:	1.3L
Usual filling quantity:	1.1L
Filling quantity while changing fuel filter:	1.15L
Transmission oil:	Hypoid-oil SAE 80W-90 GL5
Electrical Equipment	
Generator:	12V 361W
Battery:	12V 10Ah
Fuse:	20A 15A 10A
Head light:	Low beam/High beam LED 12V 9.48W/13.92W
Front position light:	LED 12V 4.35W
Instrument lights Speedometer:	LED 12V 0.2W
Control lights indicator and high beam:	LED 12V 0.01W
Brake/rear light:	LED 12V 2.4W/0.6W
Front turn signal light:	LED 12V 3.48W
Rear turn signal light:	LED 12V 3.48W

TECHNICAL DATA

Dimensions and weights	
Overall length:	1980 mm
Width across handlebars:	720 mm without rear view mirror
Maximum height:	1160 mm without rear view mirror
Wheel base:	1370 mm
Seat height:	780mm
Dry weight:	151 kg
Curb weight:	158 kg
Max. permitted total weight:	318 kg
Top speed:	120km/h

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 disproportionately
- high costs, we deny the subsequent fulfillment all-together through the authorized dealer (seller). The customer is then entitled to legal claims. Replaced parts pass over into the possession of us.
2. The installation of spare parts within the scope of warranty does not extend the warranty period.
3. The warranty does not cover normal wear and tear caused by normal use as well as wear and tear caused by inappropriate handling and inappropriate use. Oxidation and corrosion are caused by environmental influences and are also not covered under warranty.
4. Warranty claims lodged by the customer will be rejected in case of: Manipulations to the motorcycle, installation of a different exhaust system, changes to the gearbox or secondary transmission ratio and installation of accessories or spare parts which have not been approved by us. Repairs carried out in workshops not authorized by us and the non-compliance with the maintenance intervals in the workshop of an authorized dealer will also cause the rejection of warranty claims.
5. When submit a warranty claim, the customer must present the correctly filled in service book to the seller.
6. The following table gives the customer an overview of the average limits of the respective wear parts.

WARRANTY

List of wear parts

Wear parts	Wear limits
Tires, houses, rims	Depending on riding style, load and tire pressure the wear limit may already be reached after only 500 km or even earlier.
Wheels, hubs	Depending on riding style, load and tire pressure the wear limit may already be reached after only 3000 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.
Rings, sealants, O-rings	Inspection during every maintenance and replace if necessary.
Radial seals on engine, gearbox, fork and wheels	Depending on road conditions and care wear may start after 500 km. Dirt reduces the lifetime. Do not clean with a high pressure cleaner!
Wheel bearings, steering bearings	Depending on road conditions and care wear may start after 3000 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 3000 km. Make sure to check at every service.
Cables	Depending on the maintenance that after 500 km. Make sure to check at every service.
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	Inspection and replacement according to maintenance requirements.
Starter battery, batteries, fuses, starter brushes	Depending 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 temperature and maintenance. Failure usually starts from the 6th month, even earlier in winter. Oxidation is a lack of maintenance!
Bowden cables, brake cables, throttle cables	Depending on use and care ususally 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.
Transmissions, CVT, rolls, belts	Depending on riding style and load these may be worn after 500 km.
Clutch linings / friction discs	Depending on riding style and load these may be worn after 500 km.
Pistons, cylinders, crankshaft, conrods, engine bearings	Depending on riding style, load and care these parts may be worn after 200 hours. Even sooner when riding primarily at full speed.
Spark plug	Inspection and replacement according to maintenance requirements.
Exhaust system, inspection of mountings	Depending on use and maintenance. Failure usually start from the 6th 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 specialized dealer approved by us.
- Observe the inspection intervals and have the specialized 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 3 months
Every 6.000 km / or after 6 months

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

Every 3.000 km / 3 months
Every 6.000 km / 6 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 negative terminal of the battery.

INSPECTION PLAN

Checking and maintenance

The following chart shows the kilometers for maintenance. When reach the kilometer, 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: check, clean, adjust C: clean R: replace A: adjust L: lubricate T: tight

Maintenance period Maintenance content	Odometer (KM)(Remark 2)								
	1000km New	4000km 3 months	7000km 6 months	10000km 9 months	13000km 1 year	16000km 15 months	19000km 18 months	22000km 21 months	Everyday check before riding
Oil for crankcase	R	R	R	R	R	R	R	R	I
Oil net	C	C	C	C	C	C	C	C	
Oil filter	R	Replace every 9000km.							
Oil gas separator	I,C	I,C	I,C	I,C	I,C	I,C	I,C	I,C	
Air filter (Remark 1)	Clean the filter every 3000km, replace the filter element every 6000km.								
Fuel filter			R		R		R		
Drive belt	I		I		R	Check every 6000km, replace every 15000km.			
Front clutch roller	I		I		R	Check every 6000km, replace every 15000km.			
Spark plug	I			R	Replace every 12000km.				
Valve clearance	I		I		I		I		
Brake pedal	I	I	I	I	I	I	I	I	I
Brake oil	Replace every 2 years or 24000km. The brake fluid must be replaced after it turns black.								I

INSPECTION PLAN

Maintenance period Maintenance content	Odometer (KM)(Remark 2)								
	1000km New	4000km 3 months	7000km 6 months	10000km 9 months	13000km 1 year	16000km 15 months	19000km 18 months	22000km 21 months	Everyday check before riding
Friction disc		I	I	I	I	I	I	I	
Brake system	I,A	I,A	I,A	I,A	I,A	I,A	I,A	I,A	
Brake		I	I	I	I	I	I	I	
Front headlight beam adjustment		I	I	I	I	I	I	I	
Clutch	I	I	I	I	I	I	I	I	
Transmission oil	R	Replace every 18000km.							
Stand		I	I	I	I	I	I	I	
Suspension		I	I	I	I	I	I	I	
Screw/bolt/fasteners (Remark 3)	I		I		I		I		
Wheel (Remark 3)	I	I	I	I	I	I	I	I	
Turning system	I				I				
Cooling fluid	I	I	I	I	I	I	I	I	
	Replace every two years.								

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

1.000 km/1 months 1st service dealer stamp: km..... date.....	After 4.000 km/3 months dealer stamp: km..... date.....	After 7.000 km/6 months dealer stamp: km..... date.....	After 10.000 km/9 months dealer stamp: km..... date.....
After 13.000 km/12 months dealer stamp: km..... date.....	After 16.000 km/15 months dealer stamp: km..... date.....	After 19.000 km/18 months dealer stamp: km..... date.....	After 22.000 km/21 months dealer stamp: km..... date.....

MAINTENANCE CONFIRMATION

New brake fluid
Yes no

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

Stamp, signature

New brake fluid
Yes no

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

Stamp, signature

New brake fluid
Yes no

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

Stamp, signature

New brake fluid
Yes no

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

Stamp, signature

Circuit diagram

