# X-OVER 357

## EURO 5+

RIEJU

FOR EVERYDAY ADVENTURE

**OWNER'S MANUAL**

## TABLE OF CONTENTS

## IMPORTANT NOTICES

These are the safety alert symbols. Always follow all safety messages that accompany these symbols to avoid possible injury or death.

**WARNING:**

Indicates that failure to follow the procedure described in this Owner's and Maintenance Manual could result in serious injury or death.

**CAUTION:**

Indicates that failure to follow the instructions in this manual may result in personal injury or damage to the vehicle.

**TIP:**

Additional information provided by Rieju.

## SPECIAL REMINDING

**Precautions:**

- When installing or replacing the battery for the first time, pay attention to the positive and negative terminals. If there is a reverse connection, check whether the fuse is in good condition. However, you should send it to the Service Center for inspection regardless of whether the fuse is in good condition to prevent some electrical components from being damaged due to reverse connection of the battery. If the damaged components continue to work, some unpredictable failures may be caused.
- Before replacing the fuse, turn the key to the "  " position to prevent the accidental short circuit;
- Do not damage the fuse holder when replacing the fuse. Otherwise, poor contact, damage to components or even fire accidents will occur.

**Energy saving and environmentally friendly:**

- The used oil, coolant, gasoline and some cleaning solvents contain toxic substances. Do not discharge them randomly. Please place them in special sealed containers and send them to the recycling center or the local environmental protection service. Do not discard randomly or disassemble waste batteries without authorization, which should be recycled and disposed of by a dealer or qualified department. Waste motorcycles should be sent to the local specialized recycling service for classification and recycling.

**No modification:**

• Do not modify the motorcycle or change the location of the original parts arbitrarily. Arbitrary modification will seriously affect the stability and safety of the motorcycle and may cause the motorcycle to fail to work properly. No unit or individual may assemble a motor vehicle or arbitrarily change its registered construction, structure or characteris-tics. Rieju will not bear all quality problems and consequences (including loss of warranty) caused by the user's own ment of unauthorized parts and components. Users are requested to comply with the traffic management department's regulations on the use of motorcycles.

**Warm reminder:**

• After you buy a motorcycle, please equip it with a motorcycle driving helmet that meets the local regulations.

**CAUTION:**

The motorcycle must be equipped with a fuse that meets the requirements before you drive safely. It is not allowed to use other specifications other than the requirements, and it is also prohibited to directly tie or replace it with other conductive objects; otherwise, it will cause damage to other components and result in fire accidents in serious cases.

## MOTORCYCLE SAFETY

**Safe riding:**

1. Inspect the motorcycle before riding to avoid accidents and damage to parts.
2. Pass the examination conducted by the traffic management department and obtain a motorcycle driving license that is consistent with the motorcycle category before riding. Never lend the motorcycle to anyone without a valid license or with a license class mismatch.
3. Be as conspicuous as possible to protect against other motor vehicles. For this purpose:
   - Wear distinctive, tight-fitting clothing.
   - Maintain a safe distance from other motor vehicles.
4. Strictly comply with local traffic regulations. Never rush for the road.
5. Do not exceed the maximum speed limit to prevent accidents due to speeding.
6. Turn on the turn signal lights when turning or changing lanes to attract the attention of others.
7. Be careful at intersections, entrances and exits of parking lots, and on fast lanes.
8. Always ride with both hands. One-handed riding is highly dangerous. Passengers must hold the grab rail firmly and place their feet on the footpegs.
9. Unauthorized modification or disassembly of original parts may compromise riding safety and is illegal. Additionally, such actions will void the warranty.
10. The accessories installed must not compromise the riding safety and handling performance of the motorcycle. Avoid overloading the electrical system, as it may cause hazards.

11. Do not run the engine in enclosed spaces, as exhaust fumes can cause serious health risks.

**Wearing a safety helmet**

Wearing a helmet that meets safety and quality standards is the priority for riding with protective equipment. Head injuries are among the most serious outcomes of traffic accidents. Always wear a safety helmet and preferably protective glasses as well.

**Riding clothes**

Riding clothes must be tight-fitting and comfortable, and brightly colored. Fasten your cuffs before riding to prevent them from catching on the brake lever and causing accidents. For riding safety, wear flat shoes.

**Precautions for riding in rainy weather**

Pay special attention to wet and slippery roads in rainy weather due to longer braking distances. Avoid painted surfaces, manhole covers, and oily roads to prevent slipping while riding. Be especially careful when passing through railway crossings, iron gates, and bridges. Slow down when road conditions are unclear.

### Carrying goods

Note that carrying goods while riding may affect handling and stability. Overloading can lead to accidents or motorcycle damage.

- The maximum load of the storage box under the seat is 10 kg. The maximum load of the front storage box is 1 kg.

**RIEJU S.A.** would like to thank you for your trust in our company and congratulate you on an excellent choice.

The **X-OVER 357 Euro 5+** model is the result of **RIEJU'S** extensive experience in developing high-performance vehicles.

The purpose of this Owner's Manual is to set forth how to use and maintain your vehicle. We ask that you carefully read the instructions and the information provided as follows.

Please remember that the vehicle's lifespan depends on how you use and maintain it. Keeping it in perfect operating condition reduces the cost of repairs.

Please consider this manual an integral part of the vehicle. It must remain with its basic equipment, even in the event of a change in ownership.

For any issues, please see your **RIEJU** dealer, who will be delighted to serve you, or visit **www.riejumoto.es**

Remember that for your vehicle to operate properly, you must always request original replacements.

## VEHICLE DESCRIPTION

This motorcycle is fitted with a water-cooled, four-stroke, single-cylinder fuel-injected engine. It has a displacement of 330 cc, with a bore of 77 mm and a stroke of 70.8 mm.

A centrifugal clutch with an automatic variator ensures a smooth connection between the engine and the transmission.

The engine is mounted on a high-strength steel multi-tube frame.

The front suspension consists of a hydraulic fork with 33 mm diameter tubes. The rear suspension consists of two shock absorbers with progressive springs and an integrated nitrogen reservoir.

The brakes, front and rear, are disc brakes made of stainless steel, measuring 260 mm at the front and 240 mm at the rear.

## VEHICLE REGISTRATION

Please make a note of the chassis and engine serial numbers, which will help you for all purposes (certificate of characteristics, insurance, registration, etc.).

These numbers will be useful for you for any suggestions or complaints, as well as to order replacement parts.

Chassis serial number (p.19)

Engine serial number (p.19)

Dealer seal

**VEHICLE DELIVERY (complete upon first delivery)**

- ☐ USER MANUAL
  Explain the importance of reading it and understanding all the information. Highlight the sections on safety and maintenance practises.

- ☐ WARRANTY REGISTRATION CARD
  Complete the necessary information and provide the customer with a copy.

- ☐ HANDLING
  Explain how to properly handle the vehicle.

- ☐ WARNINGS
  Explain the importance of the warnings to guarantee a long “life” for the vehicle.

- ☐ KEYS
  Deliver the complete set. Advise them to make a backup set.

- ☐ FIRST INSPECTION
  Explain that an inspection after 500 km is important.

- ☐ PERIODICAL MAINTENANCE
  Explain the need for periodical maintenance and state that failure to comply with guidelines for check-up and visiting the shop is grounds for “Loss of Vehicle Warranty”.

## INSPECTION PRIOR TO DELIVERY (Adjustments)

**General appearance** ..... ☐ .....

**Engine**

- Engine oil level ..... ☐ .....

**Chassis**

- No fuel leaks in: Tank output, fuel tap, and supply lines ..... ☐ .....
- Front and rear brake - Drain, if necessary ..... ☐ .....
- Coolant level, if applicable ..... ☐ .....
- Front, rear mudguard and attachment elements ..... ☐ .....
- Wiring of electrical installation around the steering column ..... ☐ .....
- Alignment of front, rear wheels, and tightening torque of wheel axles ..... ☐ .....
- Tyre pressure ..... ☐ .....
- Chain tension ..... ☐ .....

**Checking the equipment**

- Accelerator works and has free play. Adjust if necessary ..... ☐ .....
- Degrease both brake discs ..... ☐ .....
- Battery charged and terminals greased ..... ☐ .....
- Block steering or anti-theft block ..... ☐ .....
- Electric start-up (depending on model) engine operation ..... ☐ .....
- General condition of front and rear suspension ..... ☐ .....

- Clutch cable properly adjusted ..... ☐ .....
- Operation of fuel cap closure ..... ☐ .....
- General inspection of nuts and screws: Callipers/discs, transmission/pinions, wheel nuts, tilt, engine mounts, exhaust system, shock absorber, gear selector, brake pedal/levers, manifold nuts, etc. ..... ☐ .....

**Fuel tank**

- Check that the tank is not in contact with the frame ..... ☐ .....

**Driving components**

- The digital instrument dashboard checks itself when the ignition is turned on (depending on the model) ..... ☐ .....
- Adjusting the headlight height ..... ☐ .....
- Brake light when pressing brake levers LH and RH ..... ☐ .....
- Front, rear blinkers and mounting clips ..... ☐ .....
- Horn operation ..... ☐ .....

**ON-ROAD TEST, at least 10 km**

- Engine and gearbox operation ..... ☐ .....
- Grip on road and suspensions ..... ☐ .....
- Braking and ABS operation (if fitted) ..... ☐ .....
- No abnormal sounds ..... ☐ .....

**AFTER ON-ROAD TEST**

- Coolant leaks ..... ☐ .....
- Fuel system, including hoses, clips, and all associated parts where leaks may appear ..... ☐ .....
- Check breakdown codes with diagnostic tool and delete them if applicable (depending on the model) ..... ☐ .....

**CHECKING FINAL APPEARANCE** ..... ☐ .....

Date

Manufacturer signature

## TECHNICAL INFO

| GENERAL INFORMATION | |
|---|---|
| Fuel | Unleaded petrol E5 |
| Oil filter | Paper |
| Water pump | Mechanical |
| Spark plug - Spark area | NGK/LMAR8A-9 (0,8-0,9mm (0,031-0,035”) |
| Maximum design speed | 131 km/h |

| SIZES | |
|---|---|
| Distance between axles | 1.520 mm |
| Length | 2.165 mm |
| Height | 1.365 mm |
| Width | 795 mm |
| Saddle height | 810 mm |
| Dry weight | 191 kg |
| Fuel tank | 15 ± 0,5 L |

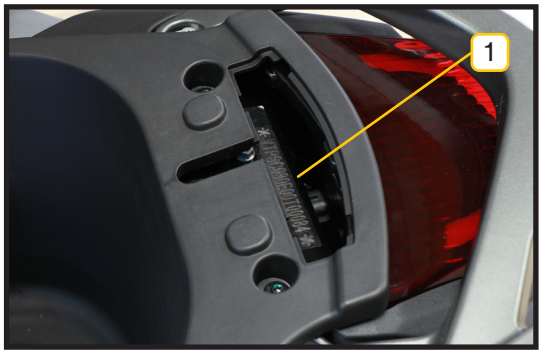
| CHASSIS | |
|---|---|
| Chassis | High-strength steel multi-tube frame. |
| Front suspension | Hydraulic fork. Progressive springs. |
| Rear suspension | Twin nitrogen shock absorbers with integrated reservoir. Progressive springs |
| Front tyre | 120/70-15 |
| Rear tyre | 140/70-14 |
| Front brake | Disc |
| Rear brake | Disc |

| ENGINE | |
|---|---|
| Type | 1P77MP-A |
| Displacement | 330 $cm^3$ |
| Diameter x Span | 77,0 mm×70,8 mm |
| Maximum power | 22,0 kW/7.500 rpm |
| Maximum torque | 33,5 N·m/5.500 rpm |

## LOCATION OF SERIAL NUMBERS

**Chassis identification number (1)**
Stamped inside the storage box under the seat.

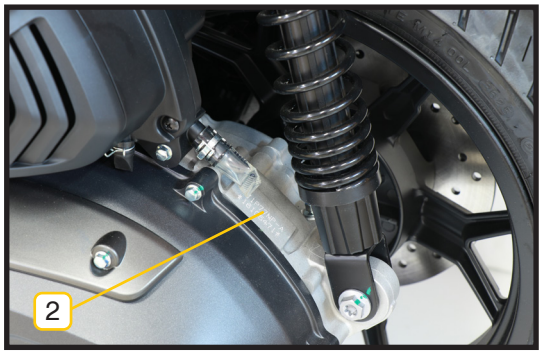

**Engine identification number (2)**
Stamped on the lower part of the left case of the engine crankcase.

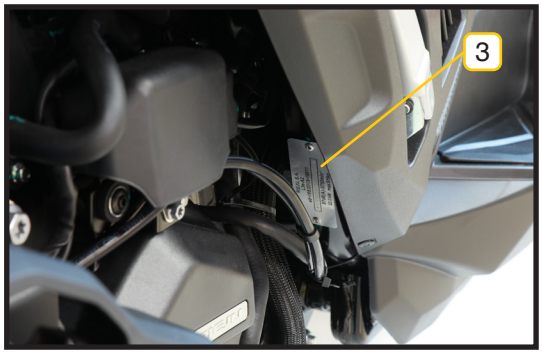


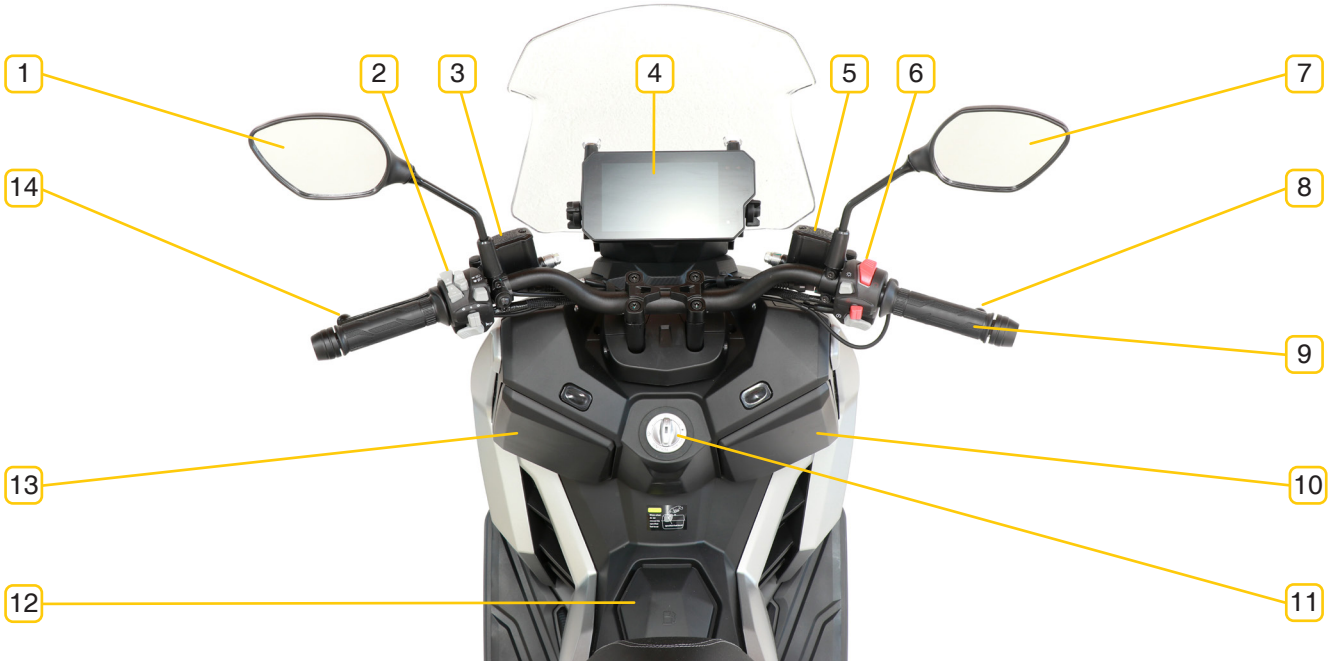
**Builder label (3)**

Your **RIEJU** has a type plate showing the following details: manufacturer, chassis number, type-approval number and noise emission level.

Riveted inside the (2) motorcycle shell as shown in the figure.



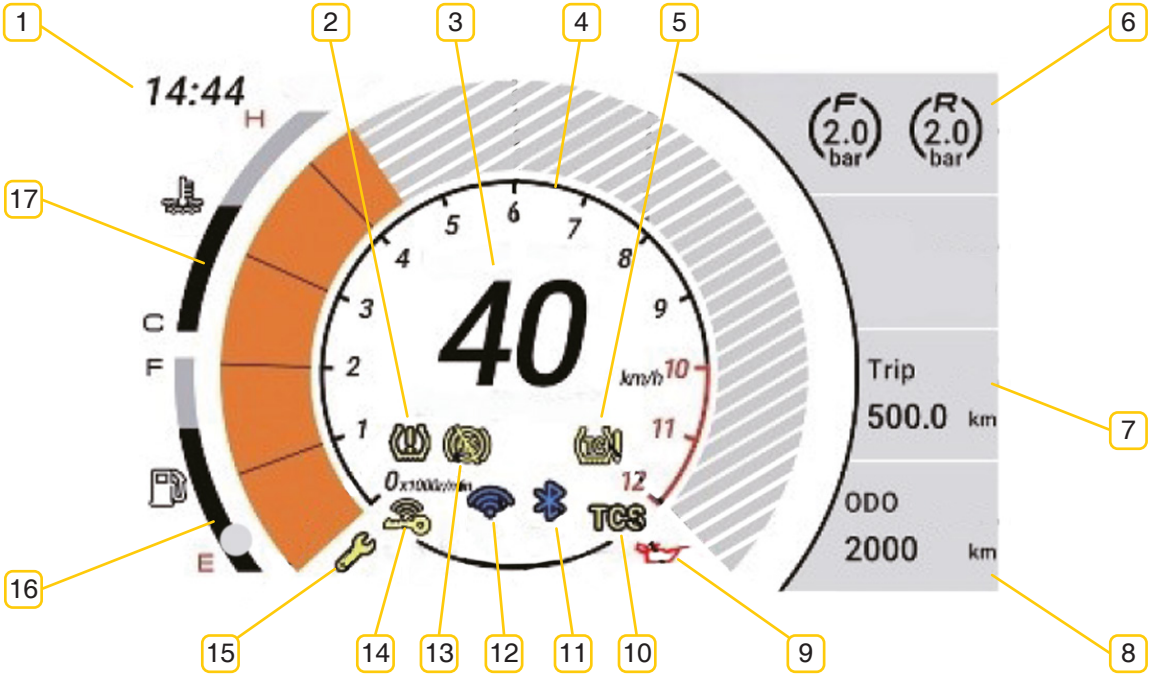



1. Rearview mirror
2. Left handlebar switch
3. Rear brake fluid reservoir
4. Instrument panel
5. Front brake fluid reservoir
6. Right handlebar switch
7. Rearview mirror
8. Front brake lever
9. Throttle grip
10. Front storage box (right)
11. Ignition switch
12. Fuel tank cap position
13. Front storage box (left)
14. Rear brake lever


15. Air filter
16. Engine
17. Center stand
18. Side stand
19. Rider footboard
20. Front brake
21. Front wheel ABS wheel speed sensor


22. Passenger grab rail (handle)
23. Passenger footpeg
24. Rear brake
25. Rear wheel ABS wheel speed sensor
26. Exhaust muffler

## INSTRUMENT PANEL



**1 - Clock display**

It displays the current time. To adjust the time, briefly press the “ENTER” button on the left handlebar to access the main menu page of the instrument panel. Briefly press the “SELECT” button to select “CLOCK”, and then press the “ENTER” button to access the clock setting. Briefly press the “ENTER” button to select the clock digits to be set, and briefly press the “SELECT” button to adjust the time. After setting the clock, press the “ENTER” button to return to the previous main menu, or it will automatically return to the main interface if there is no operation for 8 seconds

**2 - Tire pressure warning light**

This yellow tire pressure warning light “ ” will illuminate when the tire pressure or temperature is abnormal.

**3 - Speedometer**

The speedometer indicates the current speed of the motorcycle in km/h (kilometers per hour) or mph (miles per hour).

**4 - Tachometer**

The tachometer indicates the engine speed (x 1,000 r/min).

**5 - TCS warning test**

When you choose to activate the TCS function, the icon “ ” appears, indicating that the TCS (traction control system) function is enabled. After riding, when the speed is about 5 km/h, the icon changes to “ ”, indicating

that the TCS function is normal. If the icon "  " appears, it indicates that the TCS function is faulty. Stop and check, or contact a local RIEJU service center to check the motorcycle promptly. When the motorcycle is stuck in a mud pit, the drive wheel remains in idle. For safety, the TCS function will be forcibly deactivated after a certain period, and the instrument panel will display a fault status. In this case, power off and then on the motorcycle to restore the TCS function.

**6 - Front/rear tire pressure display**

It displays the front and rear tire pressure.

**7 - Tripmeter**

It is a resettable odometer that records the interval mileage of a trip ridden over a period of time.

**8 - Odometer**

It records the total mileage traveled.

**9 - Engine oil indicator light**

When the ignition switch is turned on, but the engine is not started, the engine oil indicator light will remain on.

After the engine is started, if the oil pressure is normal, the engine oil indicator light will turn off. If the engine oil indicator light remains on, it may indicate abnormal oil pressure, and the engine should be shut down for inspection.

**10 - TCS indicator light**

Press and hold the TCS button to activate or deactivate the TCS function.

When you choose to deactivate the TCS function, no content is displayed in this area.

**11 - Bluetooth**

Press and hold the “SET” button to access the instrument panel selection main menu page. Select “Mobile Bluetooth” to turn the Bluetooth on or off. When the Bluetooth pairing is successful and connected, the Bluetooth symbol on the instrument panel stays on.

**12 - Wi-Fi icon**

After the mobile phone is connected to the instrument

panel, the Wi-Fi icon will be displayed.

**13 - ABS off indicator light**

Press and hold the ABS button to activate or deactivate the ABS function.

**14 - Smart key indicator light**

The smart key indicator light comes on after the smart key is connected to the motorcycle.

**15 - Periodic maintenance indicator light**

The periodic maintenance indicator light comes on after the preset maintenance mileage is reached.

**16 - Fuel gauge**

It indicates the fuel level in the fuel tank. When the fuel level is close to the “F” position, the fuel tank is full.

When the fuel level is close to the “E” position, the fuel is low. When one red segment on the fuel gauge flashes, it indicates low or no fuel. Refuel promptly.

**17 - Coolant temperature indicator**

It indicates the temperature level through 6 segments. The “C” mark indicates low temperature, while the “H” mark signifies high temperature. When the coolant temperature is greater than or equal to 115 °C, the coolant temperature warning light “  ” will turn on in red. Stop the motorcycle and check it, or contact a service center to check the motorcycle.

**Instrument panel adjusting button**

The instrument panel adjusting button is located on the left handlebar switch of the motorcycle. In the main display interface of the instrument panel, shortly press the up button to enter the navigation projection screen interface. Press and hold the “SET” button to enter the main menu page of the instrument panel, where you can switch between the total mileage (TOTAL) and the trip mileage (TRIP 1, TRIP 2).

When the motorcycle is stationary, press and hold the “SET” button to enter the main menu page of the instrument panel. Use the up and down buttons to move.

Shortly press SET in the menu to enter the secondary menu, and press and hold SET to return to the previous level. You can select functions such as “INTERFACE”, “CLOCK”, “BRIGHTNESS”, “UNIT”, “LANGUAGE”, “INFORMATION”, “Mobile Bluetooth”, “TPMS” and “TCS”. Shortly press the “SET” button to select the specific function to be adjusted. After the main menu interface is entered, the system automatically returns to the main interface if there is no operation for 8 seconds.

Tire pressure setting (optional, only applicable to motorcycles equipped with tire pressure modules):

Press and hold the “SET” button to access the main menu page of the instrument panel. Select “TPMS”, select the tire pressure unit, and then select the front and rear wheel sensor learning. Learn the front wheel first, then wait for one minute before learning the rear wheel. A success message is displayed after pairing. The tire pressure information is displayed at the bottom of the main interface of the instrument panel. The tire warning light will come on when the tire is abnormal.

When the tire sensor is not learned, no relevant information will be displayed on the main interface of the instrument panel, and the tire pressure icon will not appear during the power-on self-test.

## OPERATIONS OF ALL PARTS

### Key

Two electronic remote keys and two spare keys are provided with the motorcycle. One of the spare keys is placed in the electronic remote key cover and can be taken out by pressing the button on the upper part of the electronic remote key cover. When riding, carry one set of keys with you and keep the other set in a safe place as a backup.

If you need another set of keys, contact a service center.

The electronic remote key system allows you to operate the ignition switch without inserting the key into the keyhole.

The system performs two-way authentication between the motorcycle and the electronic remote key to verify that it is a registered electronic remote key.

The electronic remote key system uses low-intensity radio waves. It may affect medical devices, such as pacemakers.

Electronic remote control operating range:

The operating range changes when the ignition switch is locked or unlocked.

The electronic remote key system uses low-intensity radio

waves. The following situations may cause the system to malfunction or change the operating range:

1. The remote key battery is depleted.

2. There are facilities generating strong radio waves or noise such as television towers, power stations, radio stations or airports nearby.

3. You carry the electronic remote key with a laptop or wireless communication device, such as a radio or mobile phone.

4. The electronic remote key is in contact with or covered by a metal object.


Lock button (1)

When the motorcycle is turned off, briefly press the lock button once. The knob lock will lock, and the motorcycle will enter the alarm state.

Unlock button (2)

When the motorcycle is in the alarm state, press the unlock button. The knob lock will unlock, and the alarm will be deactivated. If the ignition switch is not turned on within 20 seconds, the motorcycle will automatically return to the original anti-theft alarm state.

Passive keyless entry (PKE) enable button/mute button (3)

Press and hold the button on the remote control (for about 3 seconds) to switch the PKE function between “ON” and “OFF”. When the remote control shows a green light, it indicates that the PKE function is activated. When the remote control shows a red light, it indicates that the PKE function is deactivated, but the button functions of the remote control still work.

When the motorcycle is turned off, briefly press the mute button once. The knob lock will lock, and the motorcycle will enter the silent alarm state. During the silent warning,

the turn signal lights will not flash, and the lock cylinder will not bounce.

Electronic remote key emergency unlock function:

An electronic remote key signal antenna is installed near the front right turn signal of the motorcycle. When the electronic remote key runs out of power, bring the remote key close to the antenna. The passive keyless entry (PKE) can sense the remote key, and you can unlock the ignition switch.

**Ignition switch**

“ ” position:

Turn the ignition switch knob 1 to the “ ” position.

The motorcycle will be powered off, and the engine cannot be started.

El motor no podrá arrancar.

“ ” position:

Turn the ignition switch knob 1 to the “ ” position.

The motorcycle will be powered on, and the engine can be started.

“ ” position:

With the ignition switch knob at the “ ” position, turn the handlebar to the left, press down the ignition switch and simultaneously rotate the knob counterclockwise to the “ ” position. The handlebar lock extends out of the lock cylinder, and the handlebar is locked.

“SEAT” position:

Turn to the “SEAT” position to unlock the seat.

“ ” position:

Turn to the “ ” position to unlock the fuel tank.


**TIP:** Lock the handlebar and remove the key when parking to help prevent theft. After locking, gently turn the handlebar to confirm that it is locked. And ensure that the seat is locked to avoid property damage. Do not park in areas that obstruct traffic.

**Front storage box**

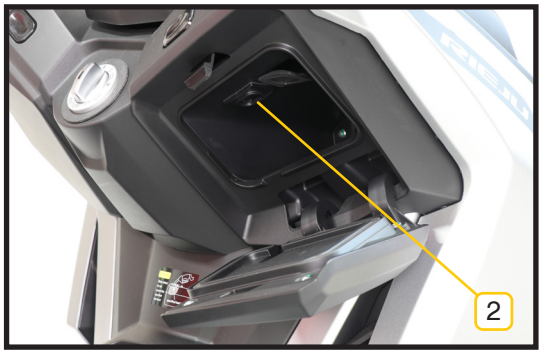
Press the button on the top of the left/right storage compartment (marked 1 in the diagram) to open the storage compartment.

Just gently press the front storage box cover to close the front storage box.


**Charging port**

Type-A and Type-C ports are located on the upper inside of the left (1) front storage box of the motorcycle.

These ports (2) can be used to charge components such as mobile phones.

### Opening / Closing the seat

Turn to the “SEAT” position to unlock the seat. When you hear the sound, it indicates that the seat is unlocked.

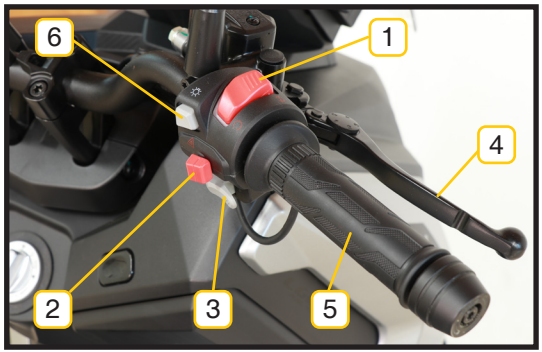
To close the seat, press down the tail of the seat until you hear a sound, indicating that the seat is locked. Try to pull up the seat to ensure that the seat is locked.


### Right handlebar

1. Start / Stop switch

Move the switch to the “ ” position. The motorcycle is powered on, and the engine can be started.

Move the switch to the “ ” position. The motorcycle is powered off, and the engine cannot be started.



2. Hazard warning light button.

Press the hazard warning light button. The front and rear turn signal lights flash simultaneously, warning others of potential hazards.

3. Starter button.

" ⚡ " position:

Squeeze the brake lever, and press the starter button to start the engine.

**TIP:** After starting the engine, release the starter button immediately.

Do not press the starter button during the engine running. Each start should not exceed 3 seconds, with an interval of 10 seconds. If the engine fails to start after five attempts, stop using the starter button to prevent excessive battery discharge. Use it again only after troubleshooting any potential faults.

4. Front brake lever.

Gently squeeze the brake lever on the right handlebar when applying the front brake. The brake lights will automatically turn on when you squeeze the front brake lever.

5. Throttle grip.

The throttle grip is used to control the engine speed. To accelerate, rotate the throttle grip toward yourself. To decelerate, release the throttle grip.

6. Light switch.

When the motorcycle starts, the daytime running lights will turn on. When pressing the “ ” position, the brightness of the daytime running lights will decrease, and the high/low beams will turn on.

**Front brake lever adjuster**

For ride comfort, adjust the brake lever position by adjusting the position of the knob with the ring nut. Adjustment may be made by choosing one of four positions. Just slightly move the brake lever forward horizontally, and then rotate the ring nut adjuster to align with the arrow A to get the desired position. And, the brake lever is furthest from the grip at Position 1 and nearest to the grip at Position 4.

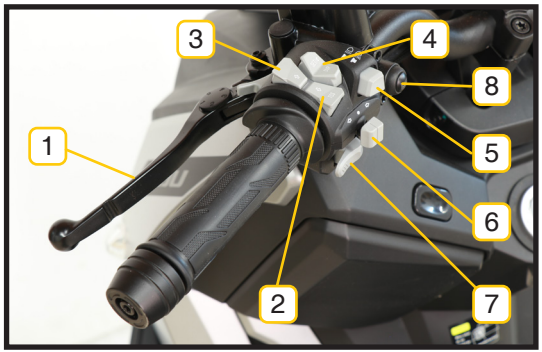

**Left handlebar**

1. Rear brake lever

Gently squeeze the brake lever on the left handlebar when applying the rear brake. The brake lights automatically illuminate when you squeeze the rear brake lever.

2. TCS switch

Press and hold the TCS button to activate the TCS function, and the TCS icon on the instrument panel illuminates. Press and hold the TCS button again to deactivate



the TCS function, and the TCS icon on the instrument panel goes out.

### 3. ABS switch

Press and hold the ABS button to activate the ABS function, and the ABS icon on the instrument panel illuminates. Press and hold the ABS button again to deactivate the ABS function, and the ABS icon on the instrument panel goes out.

### 4. Instrument panel adjusting button

For models equipped with instrument panels, refer to “Instrument panel adjusting button” for button functions.

### 5. Headlight high beam/low beam switch

After the light switch on the right handlebar is moved to the “ ” position, when the headlight high/low beam switch is moved to the “ ” position (press-in), the high beam will come on, and the high beam indicator light on the instrument panel will be also on.

After the light switch on the right handlebar is moved to the “ ” position, when this switch is moved to the

“ ” position (press-out), the low beam will come on.

### 6. Turn signal light switch

Press the turn signal light switch “ ⇦ ” or “ ⇨ ”, and the left or right turn signal lights flash. At the same time, the green turn signal indicator light on the instrument panel flashes accordingly. To deactivate the turn signal, move the turn signal light switch to the center or press the switch downward.

**CAUTION:** When changing lanes or turning, turn on the turn signal lights in advance and check that no vehicles are approaching from behind. After changing lanes or turning, turn off the turn signal lights promptly to prevent affecting the normal driving of other vehicles and avoid accidents.

### 7. Horn button

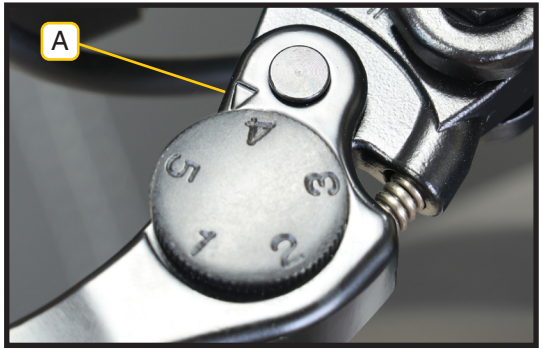
Press the horn button, and the horn sounds.

### 8. Handlebar heater button

When the engine is running, press the button to heat the handlebar grip.

### Rear brake lever adjuster

For ride comfort, adjust the brake lever position by adjusting the position of the knob with the ring nut. Adjustment may be made by choosing one of four positions. Just slightly move the brake lever forward horizontally, and then rotate the ring nut adjuster to align with the arrow A to get the desired position. And, the brake lever is furthest from the grip at Position 1 and nearest to the grip at Position 4.



### Storage box

The storage box is located directly under the seat. Refer to “Opening/closing the seat” above.

Place the helmet in the storage box with its chin section facing downward.

**TIP:** The maximum load of the storage box should not exceed 10 kg. The maximum load of the front storage box should not exceed 1 kg.

After storing belongings, ensure that the seat is securely locked.

Due to the high engine temperature, do not place low heat resistance items, food, or flammable items in the storage box.

Do not place valuables in the storage box.

When washing your motorcycle, water ingress into the storage box may occur. Always remove valuable items before cleaning.

**Battery**

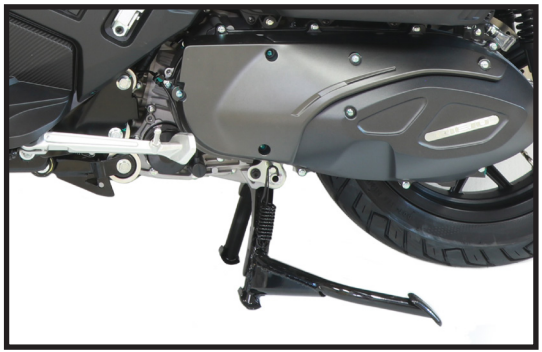
- This model is equipped with a maintenance-free battery.
- Battery model: YTZ14S.
- The battery is installed at the front part under the seat.
- To remove the battery 2, turn off the ignition switch, remove the battery case cover, and then disconnect the negative and positive terminal bolts.
- Install the battery in the reverse order of removal. Meanwhile, the fuse box (including sparefuses) 3 is also installed in it.

### Side stand

The side stand is located on the left side of the motorcycle. When parking, deploy the side stand. The side stand has an automatic shutdown function. When the side stand is in the parking state (the side stand is down), the engine cannot be started, or it will automatically stop after starting. The engine can only be started normally when the side stand is retracted.

### Centre stand

The motorcycle is fitted with a centre stand, which keeps the bike upright and stable when parked and makes certain maintenance tasks easier.



## STARTING THE MOTORCYCLE

1. Check the fuel level and engine oil level before starting the engine. The fuel level should be sufficient for the expected mileage, and the engine oil level should be between the MAX and MIN marks on the dipstick. If the fuel or engine oil is low, add it promptly.
2. Park the motorcycle on its center stand with the rear wheel off the ground.
3. Turn the ignition switch knob to the "⟳" position.
4. Squeeze the brake lever and press the starter button on the right handlebar to start the motorcycle.

**CAUTION:** Improper operation of starting the engine can be dangerous. If you do not park the motorcycle on its center stand when starting the engine, twisting the throttle grip inward will cause the motorcycle to lurch forward. Park the motorcycle on its center stand before starting the engine. Retract the center stand only when the engine is idling. Therefore, do not accelerate the motorcycle before riding to prevent accidents and other dangers. Do not start the engine in a poorly ventilated place, as exhaust fumes are toxic. Turn off the engine when left unattended.

**TIP:** Avoid prolonged idling when not riding to prevent engine overheating and internal damage.

**CAUTION:** When the throttle grip is turned to more than 60% of the throttle opening, the engine cannot be started. When starting the engine normally, do not twist the throttle grip to avoid accidents and other dangers.

## PRECAUTIONS

1. Starting precautions: Squeeze the brake lever, and press the starter button lightly. The system will automatically start and enter the power generation mode; it can automatically start without holding down the starter button for a long time, lasting up to 3 seconds. If the system fails to start successfully within 3 seconds, the rider can press the starter button again to enter the start mode.

2. Maintenance precautions: During motorcycle maintenance and debugging, maintenance personnel can operate the starter button for an extended period, but each operation should not exceed 10 seconds, with an interval of at least 30 seconds between operations.

3. Undervoltage precautions: If the motorcycle is parked for a long time or the battery is in poor condition, the side stand automatic shutdown function may be temporarily interrupted and shielded. If the system detects battery undervoltage, it will temporarily interrupt the automatic shutdown function until the undervoltage fault is resolved.

4. Abnormal idle speed precautions: If the battery is severely undervoltage, the EFI system cannot reset the idle stepper motor. In this case, the stepper motor needs to be reset normally. First, charge the battery to the normal voltage, then turn off the ignition switch for more than 5 seconds, and then power on the motorcycle to start it.

If you encounter other difficult problems during use that you cannot solve, contact a service center or professional.

## RIDING THE MOTORCYCLE

### Retracting the center or side stand

Push the motorcycle forward to retract the center stand automatically.

To park the motorcycle on its side stand, straighten the motorcycle, and then gently retract the side stand. Sit astride the motorcycle from the left in an upright position and keep your left foot on the ground to prevent it from tipping over.

**CAUTION:**

After starting the motorcycle, keep the brake engaged until you start riding.

**TIP:** The side stand of this model has an automatic shutdown function. The engine can be started normally only when the side stand is retracted.

### Releasing the brake lever

**CAUTION:** After releasing the brake lever, do not accelerate arbitrarily to prevent the risk of the motorcycle suddenly lurching forward.

**Slowly rotate the throttle grip, and the motorcycle will start moving forward.**

**CAUTION:** Do not rotate the throttle grip quickly to prevent the motorcycle from lurching forward.

### Proper riding

Before starting off, turn on the turn signal lights, honk the horn, adjust the rearview mirrors for clear visibility, and ensure that it is safe behind you before riding.

### Speed adjustment controlled by the throttle grip

Twisting inward: Twist the throttle grip inward to accelerate slowly and smoothly. When starting off or going uphill, gently twist the throttle grip inward to increase power.

Returning to the closed position: Twist the throttle grip outward to slow down. Be agile when returning.

### Moderate riding that extends engine life

The first 1,500 km on a new motorbike is the running-in period. Keep the revs below 7,500 rpm and avoid sudden acceleration. As shown in the table below:

| Distance travelled (km) | 0 - 500 | 500 - 1000 | 500 - 1.000 | 1000 - 1500 |
|---|---|---|---|---|
| Revolutions (rev/min) | 4000 - 4500 | 5500 - 6000 | 45 - 50 | 7000 - 7500 |

Change the gearbox oil in a hot condition after the running-in period.

### Using front and rear brakes

Apply both front and rear brakes simultaneously with the throttle closed.

For optimal braking, apply the brake gently, and then gradually increase the braking force.

**CAUTION:** Braking distance increases with speed. Be sure to estimate the distance between the motorcycle or object ahead and you, and maintain a sufficient safe distance.

Inexperienced riders often only use the rear brake. Be careful that using a single-wheel brake can easily make the motorcycle unstable, causing slipping, and accelerated brake wear.

### No emergency braking or sharp turns

Emergency braking or sharp turns can cause lateral slipping or tipping over, posing significant risks.

### Precautions for riding in rainy weather

Wet and slippery roads in rainy weather increase braking distance. Slow down, maintain a safe distance, and brake early.

When going downhill, close the throttle and apply moderate intermittent braking to slow down.

### Parking method

Approaching the parking place:

Turn on the turn signal lights in advance, observe the rearview mirrors, pay attention to passing vehicles, and decelerate slowly. Close the throttle and apply both front and rear brakes. The brake lights illuminate to warn the vehicles behind.

Parking the motorcycle:

Turn off the turn signal lights, and turn the ignition switch to the "" position. Park the motorcycle on its center stand on a flat level to avoid obstructing traffic. If the terrain is uneven, the motorcycle may tip over.

Grasp the handlebar with your left hand, hold the passenger grab rail with your right hand, lower down the center stand, and then pull the motorcycle back with your right hand.

**Troubleshooting**

If the engine fails to start, check the following items:

- Check for sufficient fuel in the fuel tank.
- Start the engine several times and check that the fuel flows to the injector.
- If fuel flows to the injector, check the ignition system.
- Remove the spark plug and place it against the metal body of the engine. Start the engine to check for sparks. If there is no spark, take it to a service center for inspection.

**CAUTION:** Keep the spark plug away from the spark plug hole of the cylinder head or the fuel tank to avoid igniting fuel vapor, which poses a fire risk.

**TIP:** If you are unsure about the failure, contact a service center promptly, as they have the best technology and corresponding special tools to provide you with the best services. Especially when your motorcycle is under warranty, do not remove the parts on the motorcycle by yourself, as this will affect your motorcycle warranty.

## PRE-RIDE INSPECTION

Conducting the pre-ride inspection helps prevent issues caused by potential malfunctions and ensures a safe ride.

### Front/rear brake inspection

1. Brake lever free stroke

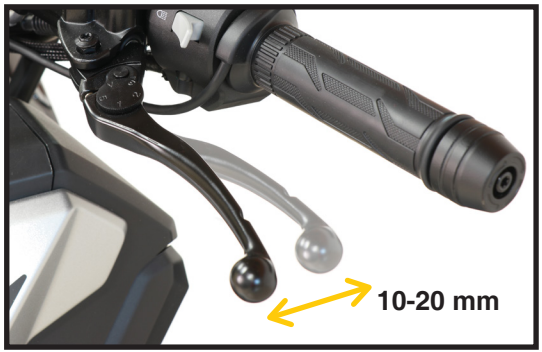
The free stroke of the front/rear brake lever is 10 to 20 mm. “Free stroke” refers to the distance moved by the front end of the brake lever for braking. The brake lever should not only have proper free stroke, but it should also operate smoothly and return freely.

2. Checking for normal braking performance

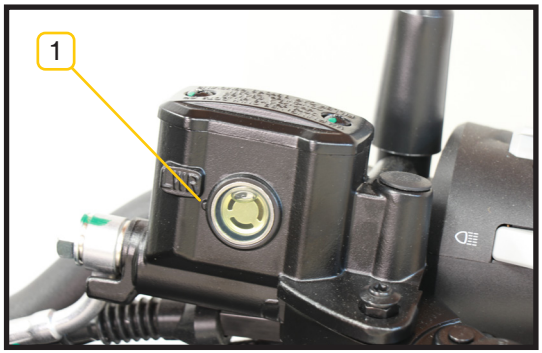
When riding on a dry road, slow down and check that the front and rear brakes are functioning properly. Adjust frequently to ensure optimal braking performance.

3. Brake fluid

Do not use the remaining fluid from the opened reservoir or the brake fluid left from the last maintenance, as old fluid will absorb moisture from the air. Avoid splashing brake fluid on painted or plastic surfaces, as it will erode the surface of these parts.

Check the fluid level in the front/ rear brake fluid reservoir on the left and right handlebars. If the level drops to the MIN mark (1), add the specified brake fluid to the MAX mark. When the brake pad is worn out, the fluid in the reservoir will automatically inject into the brake hose, causing the fluid level to decrease.




4. Brake pads

Always check the brake pads for wear against the limit mark 1. If the wear reaches the limit mark, promptly replace the brake pads with new ones to maintain optimal braking performance.

**CAUTION:** If the brake system or brake pads eed repair, it is recommended to have this work done by a service center.

The disc brake system operates with high-pressure braking.

For safety, replace the brake hose every four years and the brake fluid every two years.

After installing new brake pads, do not ride immediately.

Pump the brake lever several times to fully seat the brake pads, restore normal lever resistance, and stabilize the brake fluid circulation. Meanwhile, apply the brake at low speeds to ensure that the braking performance meets the requirements.

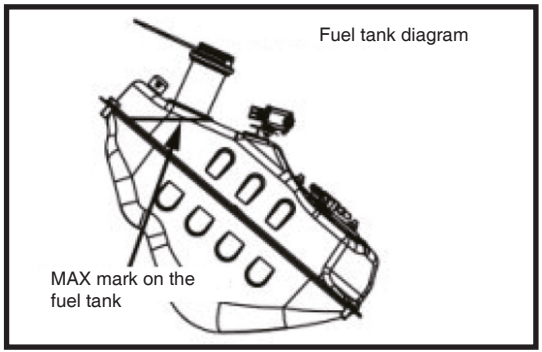
**Fuel inspection and refueling**

Ensure sufficient fuel for your planned trip.

When the fuel gauge approaches the “E” mark, it indicates low fuel level. Refuel promptly. Use unleaded fuel to optimize engine performance and extend its service life.

Non-compliant or inferior fuel may damage the engine to cause faults.

**CAUTION:** Turn off the engine and ignition switch before refueling. Keep away from heat and fire sources. Do not overfill the fuel tank. It is recommended to fill the fuel tank to 90% of its capacity. When refueling, do not exceed the MAX mark on the fuel tank as shown in the right figure. Exceeding the MAX mark can cause gasoline to seep out, leading to abnormal operation of the motorcycle or dangerous accidents.

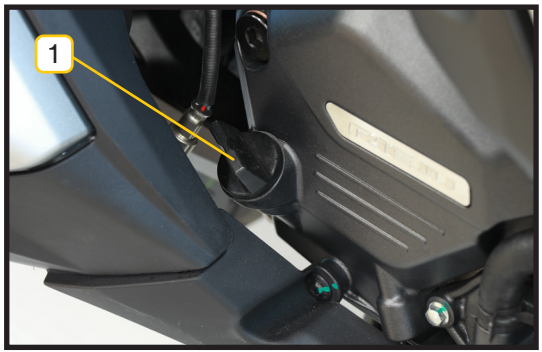


**Engine oil inspection and replacement**

For optimal engine performance and durability, use high-quality engine oil and change it regularly. Frequent inspection of oil levels and regular oil changes are two essential tasks that must be performed in maintenance items.

Check the oil level frequently and add or change the oil as required if necessary. Start the engine and let it idle for a few minutes, then turn off the engine. Wait for one minute and start the check:

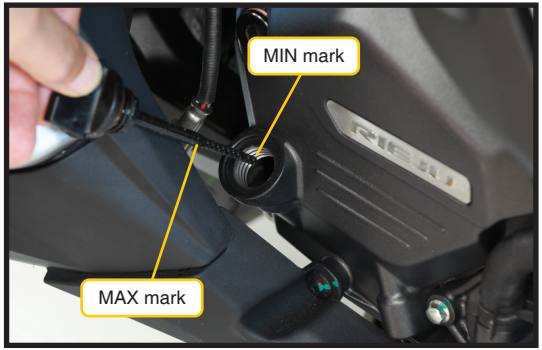
- Park the motorcycle on its center stand, take out the oil dipstick 1, and wipe it clean.
- Reinsert the oil dipstick (do not screw it in).
- Take out the oil dipstick. Check that the oil level is not lower than the MIN mark. If it is below the MIN mark, add the oil until the level reaches the MAX mark.
- Change the oil after the new motorcycle travels 1,000 km.
- The engine oil capacity is 1.8 L (Amount of engine oil added when replacing the engine oil: 1.3 L. Amount of engine oil added when replacing the engine oil and oil filter: 1.5 L).
- The oil level should not be below the MIN mark on the




oil dipstick.

•When riding in dusty, cold areas or on poor roads, the engine oil deteriorates more easily. Replace it before the recommended service interval as needed.

•Use high-purity and high-performance engine oil that meets or exceeds the SJ grade. High-performance special oil should be preferred. Visit a service center to purchase genuine special oil. The company only provides special oil to the authorized service centers.




**TIP:** During use, check the oil level frequently. If the oil is low, add it promptly.

If the motorcycle is tilted or parked on a slope, the oil level measurement may be inaccurate.

If you check the level when the engine has just stopped, avoid burns.

**TIP:** After the initial running-in period of 1,000 km, replace the engine oil and readjust the valve clearance to the specified values (For subsequent maintenance intervals, refer to the “Maintenance Schedule”). At the same time, check the engine oil level frequently. Add special engine oil or the engine oil specified in this manual if necessary.

The steps for an oil change are as follows (The oil change should be carried out when the engine is warmed up):

- Park the motorcycle on its center stand on flat ground.
- Unscrew the oil dipstick when the engine is turned off.
- Place an oil container directly under the oil drain bolt at the bottom of the engine.
- Unscrew the oil drain bolt to drain the old oil.
- Reinstall and tighten the engine oil drain bolt.
- Inject new engine oil that meets the specifications into the engine through the oil filler hole and reinstall the oil filler cap. Be sure to use the recommended or specified engine oil.
- Restart the engine and carefully check for 2 to 3 minutes at different speeds to inspect the drain bolt for oil leaks.
- Turn off the engine and re-use the oil dipstick to check that the oil level is between the MAX and MIN marks. If the oil is low, add it until the level reaches the MAX mark on the dipstick.

**Handlebar inspection**

Check the handlebar for looseness in the up, down, forward, backward, left, and right movements.

Check the handlebar for excessive resistance.

Check the handlebar for damage.

If any abnormalities are found, visit a RIEJU service center for inspection and maintenance.

**Brake light inspection**

Turn the ignition switch to the " ◯ " position.

Apply the front and rear brakes separately to check that the brake lights illuminate.

Check the brake light cover for contamination or damage.

**Turn signal light inspection**

Turn the ignition switch to the " ◯ " position.

Operate the turn signal light switch to check that the front, rear, left, and right turn signal lights and turn signal indicator lights flash. Check the light cover for damage or contamination.

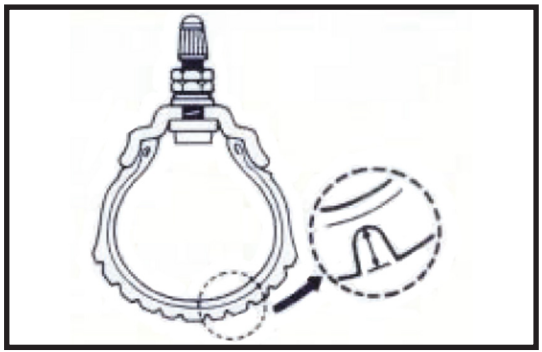
**Headlight/front position light/tail light inspection**

After starting the engine, operate the light switches to check that the lights come on. Check the light cover for contamination or damage.

**Tire inspection**

Check the front and rear tire pressure.

| WHEEL | PRESSURE |
|---|---|
| Front | 220±10 kPa |
| Rear | 250±10 kPa |



Check the tire grooves for metal fragments, gravel, etc. If any are found, remove them before riding.

When the tire cracks or tread groove depth reaches the limit, replace the tire with a new one.

The tread depth on the tire crown should be at least 0.8 mm. If it is less than 0.8 mm, replace the tire. Abnormally worn tires can easily cause hazards while riding.

**Front/rear shock absorber inspection**

Add weight to the handlebar and seat, and swing up and down. Check the front and rear shock absorbers for proper function.

**Speedometer function inspection**

Check that all functions of the speedometer operate properly.

**Horn inspection**

Turn the ignition switch to the " ↻ " position, press the horn button to check that the horn sounds.

**Rearview mirror inspection**

Sit on the seat and adjust the rearview mirror to ensure that it is at the proper angle for normal riding. You should have a clear view of the area behind you, and also check for any damage or dirt.

**License plate inspection**

Check the license plate for damage or looseness.

**Exhaust pipe inspection**

Check the exhaust pipe for looseness or loud exhaust noise.

**Coolant inspection and refilling**

Coolant: Use genuine antifreeze coolant. Using other non-compliant coolant/mixture will cause damage to the engine.

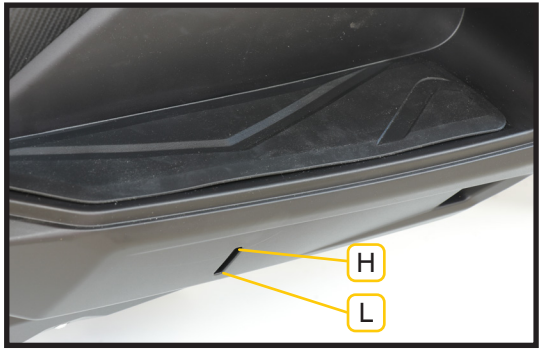
When a new motorcycle leaves the factory, it is already filled with coolant. During maintenance, check the coolant level in the coolant reservoir. The coolant reservoir is installed on the right side of the motorcycle under the rider footboard.

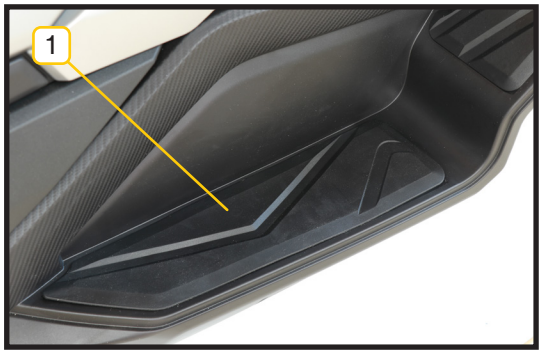
Coolant is critical for the performance of a liquid-cooled engine.

Running the engine at a high speed without coolant can cause serious damage to the engine, potentially damaging the cylinder block, piston, and cylinder head. Therefore, before riding, be sure to check that the coolant level is between the L and H marks. Add coolant immediately if the level is below the L mark.

When the coolant level is lower than the L mark, add special coolant.

Coolant refilling method: Park the motorcycle on its center stand, lift up the footboard pad 1 of the rider footboard on the right; remove the cover plate 2 under the pedal pad; open the coolant reservoir filler cap 3; slowly inject the



coolant into the filler, and observe the level until it reaches the H mark; install the removed parts.

**CAUTION:** Do not open the coolant reservoir cap immediately after stopping, as high temperatures and pressure may cause hot gases to spray, risking burns. Wait until the engine cools before adding the coolant.

**CAUTION:** Do not add coolant until the water temperature has cooled down sufficiently.

**CAUTION:** Remember to check that the entire circuit has been properly bled. You can use the bleed screw located above the motor to help with this.

**Inspecting that any previous anomalies have been eliminated.**


## SCHEDULED INSPECTION

To maintain good performance and ride safely and comfortably, perform regular inspection and maintenance.

The company's service centers can provide after-sales service and maintenance for you promptly. Refer to the Maintenance Schedule for inspection times and items.

**CAUTION:** Routine maintenance after the initial 1,000 km running-in period is essential and must be performed carefully as outlined in the manual.

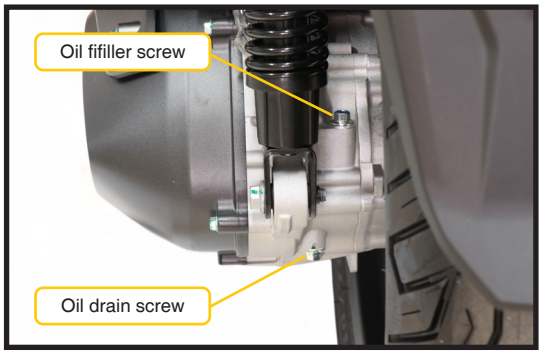
**Engine gear oil replacement and refilling**

Park the motorcycle and stop the engine for 2 to 3 minutes, then open the oil filler screw and check the gear oil.

When a new motorcycle travels 1,000 km, perform first maintenance, and replace the gear oil every one year or 10,000 km thereafter.

The total capacity of the gear oil is 200 ml.

Check the gearbox for oil leaks.




**TIP:** Add gear oil through the adjusting screw hole.

Incorrect gear oil levels may affect engine performance.

Do not use another brand of gear oil or inferior oil.

Replace the gear oil more frequently when riding in harsh conditions.

## Part and component lubrication

Proper lubrication is essential to maintain every part of the motorcycle in normal running, prolong its service life and ensure safe riding. Lubricate your motorcycle after long rides or exposure to rain or washing.

1. Side stand bracket and spring hook [Z]
2. Center stand shaft and spring hook [Z]
3. Rear brake lever screw (pin shaft) [Z]
4. Front brake lever screw (pin shaft) [Z]
5. Throttle cable [Y]

[Y] Motorcycle lubricant

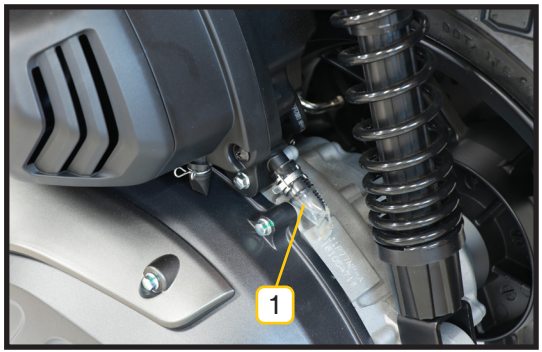
[Z] Grease

## Oil collector

Frequently check the oil collector of the air filter. If oil is in the oil collector, drain it promptly.

Oil drain method: Loosen the clamp and move it up, pull out the plug from the oil collector, and drain the oil in the oil collector.

After draining the oil, insert the plug into the oil collector, and loosen the clamp and move it down to clamp the plug.



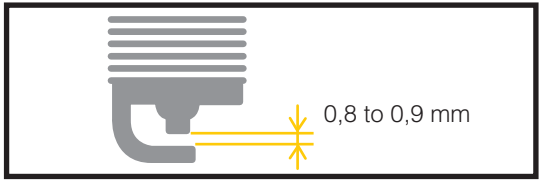
### Spark plug

At the initial 1,000 km and every subsequent 4,000 km, use a small wire brush or a spark plug cleaner to remove carbon deposits from the spark plug. Readjust the electrode gap, use a spark plug gap feeler gauge to measure the gap, and keep it between 0.8 mm and 0.9 mm.

**TIP:** The standard spark plug for this type of motorcycle is carefully selected and can adapt to most of the working range. Select according to the specified model. Installing an inappropriate spark plug will cause serious damage to the engine.

Do not overtighten the spark plug or cross-thread it, as this can damage the cylinder head threads. When removing the spark plug, do not allow impurities to enter the engine through the spark plug hole.

**CAUTION:** When fitting the spark plug, always clean the seating surface of the washer to prevent debris from entering the combustion chamber. Screw the spark plug in by hand, ensuring it is screwed in gently, and then tighten it fully using the correct spanner.




| SPARK PLUG TYPE |
| --- |
| LMAR8A-9 |

| SEPARATION BETWEEN ELECTRODES |
| --- |
| 0,8 to 0,9 mm |

### Engine idling

The stepper motor configured in the motorcycle automatically adjusts the idle speed to the appropriate range. If adjustment is required, contact a designated service center.

### Throttle body

The idle speed of the motorcycle will be reduced due to contamination of the throttle body. Clean the throttle body every 5,000 km.

When cleaning the throttle body, disconnect the battery negative terminal and the sensor connector installed on the throttle body; remove the throttle cable and the hose connected to the air filter and the intake manifold.

Clean the inside of the butterfly valve using a brush to remove dust, soot, etc.

After cleaning, install the throttle body in the reverse order of removal. Ensure that all parts are installed correctly and attempt to start the engine successfully.

**TIP:** Be careful not to let impurities block the bypass airway.

**Fuel injector and fuel circuit**

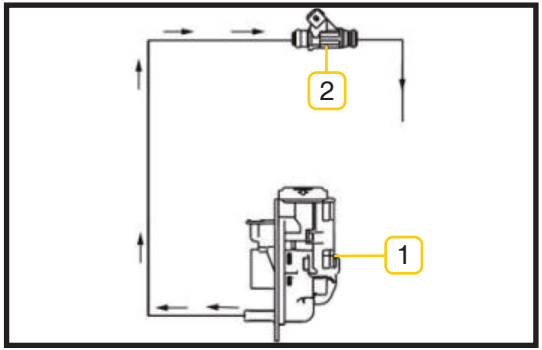
The fuel pump 1 is equipped with one port. The fuel enters the injector 2 from one of the ports of the pump. Finally, the fuel is injected into the engine intake manifold.

Connect the inlet and return hoses as shown in the figure.

The rated working pressure of the fuel pump is 350 kPa, and the working current is less than 2 A.

The filter screen of the motorcycle's fuel circuit is integrated into the fuel pump. Do not use other fuel pumps, as they may jam fuel injectors or damage the fuel circuit.

Replace the fuel pump filter screen every 10,000 km.



## Tires

Be sure to check the tire pressure and tread depth during regular inspections. To ensure maximum safety and extended service life, in addition to regular inspections, frequent inspections are also required during normal use. The tread depth on the tire crown should be at least 0.8 mm. If it is less than 0.8 mm, replace the tire.

## Tire pressure

Insufficient tire pressure accelerates wear and reduces riding stability. Underinflated tires compromise steering responsiveness, while overinflated tires decrease the tire's grip ability. Maintain the recommended pressure to prevent skidding and losing control. Keep the tire pressure within the specified limit. Adjust the tire pressure when the tires are cold.

| | |
|---|---|
| Front tire pressure (cold) | 220 ±10 kPa (2,2 bar) |
| Rear tire pressure (cold) | 250±10 kPa (2,5 bar) |

**CAUTION:**

Tire pressure and wear status are crucial for the motorcycle's performance and safety. Frequently check the tread wear and tire pressure.

After replacing or repairing a tire or wheel rim, use a wheel balancer or equivalent equipment to balance the tire.

### Headlight beam adjustment

The headlight beam can be adjusted vertically. The headlight height adjusting screw 1 is located on the back of the headlight. Rotate the beam height adjusting screw clockwise or counterclockwise to raise or lower the low and high beams simultaneously.

**TIP:** When adjusting the height of the beam, sit on the seat of the motorcycle with two wheels on the ground, and ensure that the motorcycle is vertical.

### Bulb (light source) replacement

The illumination and light signal devices of this motorcycle use LED light sources that are durable. If replacement is necessary under special circumstances, contact a service center for assistance.

### Fuse box

The fuse box is located above the battery. If the fuse frequently blows, it indicates a short circuit or circuit overload. Promptly visit a service center for maintenance.

**CAUTION:**

Do not use out-of-specification fuses or replace them with copper wires. Doing so will damage the electrical system and may cause a fire, light failure, or loss of engine power, all of which pose serious safety risks.

### Battery

The battery is located at the front under the seat. This motorcycle is equipped with a valve-regulated wetcharged maintenance-free (MF) battery. Do not open the battery case. There is no need to add electrolyte before and during use. If the battery voltage is below 12.6 V before use, charge the battery.

Charging voltage:

14.5 V and a maximum charging current of 11 A

Charging should continue until the current drops to 0.2 A (or refer to the battery user manual for specific instructions).

To install the battery, proceed as follows:

- Turn off the ignition switch.
- Open the seat and remove the battery box cover.
- Install the battery. Connect the positive terminal (+) and then the negative terminal (-).
- Install the positive and negative insulation protective sleeves in place to prevent short circuits.
- Assemble the battery case cover in place.

- Install the positive and negative insulation protective sleeves in place to prevent short circuits.
- Assemble the battery case cover in place.

If the motorcycle will not be used for an extended period, remove the battery and store it properly. Charge the battery once a month. Remove the battery in the reverse order: Disconnect the negative terminal (-) first, and then the positive terminal (+).

When reinstalling the battery, connect the battery terminals correctly. Reverse connections will damage the circuit system and battery. The red wire must be connected to the positive terminal (+), and the black wire must be connected to the negative terminal (-).

Before checking or replacing the battery, turn off the ignition switch (key).

When replacing the battery, pay attention to the following: When replacing the battery, confirm the motorcycle model and verify that the new battery specification matches the original. The battery specifications have been matched for the motorcycle. Using different types of batteries may affect the performance and service life of the motorcycle and may even cause circuit failures.

If the motorcycle will not be used for an extended period, remove the battery and store it properly. Charge the battery once a month.

**CAUTION:**

Explosive gases may be generated during battery chemical reactions. Keep away from sparks, flames, and high temperatures.

The battery contains sulfuric acid (electrolyte). Skin or eye contact with the electrolyte may cause severe burns.

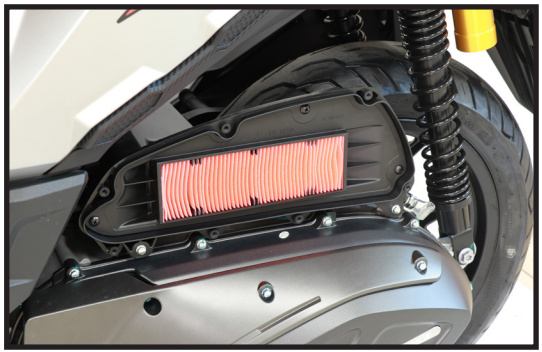
Electrolytes are toxic. Keep them out of reach of children.

**Air filter**

The air filter is located on the left side of the motorcycle near the rear wheel. If the air filter is clogged with dust, the air intake resistance increases, and the output power decreases while the fuel consumption rises. To achieve the best filtering effect, a proprietary patented two-way high-performance filtering mechanism is adopted on this motorcycle.

Do not clean the air filter element (including not blowing dust with compressed air). Any cleaning may cause the filter element to degrade in function and damage the engine. Replace the air filter element as follows:

- Remove the two retaining screws under the outer plastic cover of the air filter and take off the plastic cover.
- Remove the retaining screws on the air filter side cover and then the side cover to access the paper filter element.
- Take out the paper filter element.
- Replace the paper filter element with a new one.
- Install the cleaned air filter element in the reverse order of removal.

Ensure that the air filter element is installed firmly in the original position and is properly sealed.

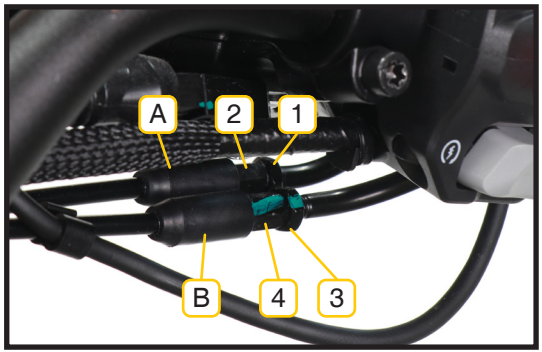
**CAUTION:**

When replacing the paper filter element, never let the filter element get stained with oil or water, as this will block the filter element and lead to filter failure. It is recommended to have this work done by a designated service center.

**Throttle cable adjustment**

This motorcycle is equipped with a dual-cable throttle system. The throttle cable A is the accelerator cable, and the throttle cable B is the return cable. The throttle grip should have a free stroke of 2.0 to 4.0 mm. Adjust the free stroke of the throttle grip as follows:

- Remove the throttle cable dust cover.
- Loosen the lock nut 3.
- Fully screw in the adjusting nut 4.
- Loosen the lock nut 1.
- Turn the adjusting nut 2 so that the free stroke of the throttle grip is within the range of 2.0 mm to 4.0 mm.
- Tighten the lock nut 1.
- Adjust the nut 4 so that the throttle grip can rotate flexibly.
- Tighten the lock nut 3.
- Install the dust cover of the throttle cable.

**CAUTION:**

After adjusting the throttle cable, check that the throttle grip rotates smoothly. Ensure that the engine idle speed is not affected by the adjustment. The throttle grip must rotate smoothly to its closed position when released.

### Adjusting the rear shock absorber

The Rieju X-Over 357 features a dual rear shock absorber system with spring preload adjustment, designed to offer an excellent balance between comfort, stability and dynamic performance in all riding conditions.

Adjusting the preload allows the suspension to be adapted to the weight of the rider, passenger or load, improving stability and ride comfort. To make the adjustment, use the specific tool and select the desired setting evenly on both shock absorbers.

It is recommended to increase the preload when riding with a passenger or additional load, and to reduce it for solo riding aimed at maximum comfort.

**CAUTION:**

Adjust both left and right shock absorbers to the same position. Improper adjustment may compromise handlebar handling stability.

### Carbon canister

This model is equipped with a motorcycle fuel evaporation control device: a carbon canister.

The carbon canister is filled with activated carbon particles that can adsorb vapor, which can inhibit excess fuel vapor from volatilizing into the atmosphere, thus achieving fuel savings and environmental protection.

**ABS maintenance instructions**

After the ignition switch is turned on, the ABS indicator light on the instrument panel comes on. After the riding speed reaches 5 km/h, the ABS indicator light goes off. At this time, the ABS is in normal working condition. If the indicator light stays on or flashes while riding, it indicates that the ABS is not functioning.

If the ABS is not functioning, check that the ABS connector is installed in place and that the clearance between the ABS wheel speed sensor and the ring gear is within the range of 0.5 to 1.5 mm.

If the ABS wheel speed sensor is damaged, the ABS indicator light remains on, and the ABS does not operate. The ABS wheel speed sensor is magnetic and may attract metal particles. Keep the sensor clean and free of foreign objects, as contamination may lead to sensor damage. If the ABS system is abnormal, contact a service center.

**Storage Guide**

For long-term storage, drain the fuel accumulated in the fuel injector, clean all parts of the motorcycle, and take out the battery. Store it at room temperature away from light. Before storage or use, clean the motorcycle and inspect the battery. Conduct a thorough inspection before riding.

**Wireless receiver parameters**

Device directory: General micro-power device Class A device.

| | |
|---|---|
| Bluetooth frequency band | 2.402 - 2.480 MHz |
| Operating temperature | -40 °C~+85 °C |
| Operating voltage | 3,3 V |

| | |
|---|---|
| Type of antenna used | On-board PCB |
| Usage scenario | For motorcycles |

Do not change the usage scenario or conditions, expand the transmission frequency range, increase the transmission power (including installing additional RF power amplifiers), or change the transmission antenna without authorization.

Do not cause harmful interference to other legitimate radio stations, or propose protection against harmful interference.

The device must withstand interference from industrial, scientific, and medical (ISM) application devices that radiate radio frequency energy or other legitimate radio stations.

If it causes harmful interference to other legitimate radio stations, stop using it immediately and take measures to eliminate the interference before using it again.

Comply with electromagnetic environment protection requirements and relevant industry authorities' regulations when using low-power devices in aircraft and in the electromagnetic environment protection areas of military and civilian radio stations (such as radio observatories, meteorological radar stations, satellite earth stations (including measurement and control, ranging, reception, navigation stations)) and airports established according to laws, regulations, and relevant national provisions.

Never use various model remote controllers within a radius of 5,000 meters from the center point of the airport runway.

## MAINTENANCE AND REPAIR

The following schedule shows the periodic maintenance intervals for the mileage (km) traveled. At the end of each interval, perform inspection, checking, lubrication, and required maintenance according to the specified methods. The steering handlebar system, stand, and wheel system are key components and should be carefully repaired by specialized personnel safety, it is recommended to visit a service center for inspection and repair.

| | | | Odometer reading (note 2) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **COMPONENT** | **Obs.** | **1.000 Km** | **4.000 Km** | **7.000 Km** | **10.000 Km** | **13.000 Km** | **16.000 Km** |
| * | Fuel line | | I | I | I | I | I | I |
| * | Throttle operation | | I | I | I | I | I | I |
| | Air filter | Note 1 | I | I | R | I | R | I |
| ** | Spark plug | | Every 10,000 km or every 2 years | | | | | |
| ** | Valve clearance | | | Every 25.000 km: I | | | | |
| | Engine oil | | R | Every 3.000 km: R | | | | |
| | Engine oil filter | | R | Every 6.000 km: R | | | | |
| ** | Cooling system | | I | I | I | I | I | I |
| | Gear oil | | Every 10,000 km or every 1 year | | | | | |
| | Drive belt | | Every 20,000 km or every 3 years | | | | | |
| | Brake pad wear | | I | I | I | I | I | I |
| ** | Brake system | | I, A | I, A | I, A | I, A | I, A | I, A |
| | Brake hose | | Replace it every four years. | | | | | |
| ** | Brake fluid | | Replace it every two years. | | | | | |

| | COMPONENT | Obs. | 1.000 Km | 4.000 Km | 7.000 Km | 10.000 Km | 13.000 Km | 16.000 Km |
|---|---|---|---|---|---|---|---|---|
| * | Headlight beam adjustment | | | I | I | I | I | I |
| ** | Clutch | | I | I | I | I | I | I |
| ** | Side stand | | | I | I | I | I | I |
| * | Shock absorber system | | | I | I | I | I | I |
| * | Nuts, bolts, and fasteners | Note 3 | I | | I | | I | |
| ** | Wheels/wheel rims | Note 3 | I | I | I | I | I | I |
| ** | Steering handlebar | | I | | | I | | I |

I: Inspect, clean, adjust, and lubricate or replace if necessary; C: Clean; R: Replace; A: Adjust; L: Lubricate

* Represents that it must be serviced by a service center: Owners should provide their own qualified tools and motorcycle inspection data, and the service should be performed by certified mechanics. If servicing yourself, you should also refer to the service manual.

** For this item, it is recommended that it should be serviced at a service center for safety.

Note 1: In dusty areas, inspect and maintain the motorcycle more frequently. Particularly, the maintenance interval for the air filter needs to be shortened. The first maintenance should be performed at 500 km, with subsequent cleaning every 1,000 km.

Note 2: If the odometer reading exceeds this value, repeat the schedule shown in this schedule for continuous inspection.

Note 3: When riding the motorcycle on uneven roads and other harsh conditions, maintain it frequently to keep its good performance.

Note 4: After maintenance and disassembly of the needle bearing of the engine clutch, add grease to its surface again.

## WARRANTY

Standards regulating manufacturer **RIEJU**'S warranty.

The company **RIEJU** hereby guarantees the end consumer, purchaser of a vehicle manufactured by **RIEJU**, that both the materials and the manufacturing are free from defect, pursuant to the highest quality standards. Consequently, **RIEJU** hereby provides the end purchaser (hereinafter, the "purchaser"), pursuant to the conditions set forth below, with a warranty to repair all material or manufacturing defects found on a new motorcycle at no cost, within the established warranty period and with no limitation in terms of the number of kilometres travelled or the number of hours the vehicle has been operated.

### Warranty Period

The warranty period shall be governed by warranty law in the vehicle's country of sale, in force at the time it is sold.

Warranty claims for defects not brought to the attention of a **RIEJU**-authorised dealer before the end of the warranty period shall be excluded.

### Purchaser obligations

**RIEJU** may legitimately reject warranty claims if, and to the extent that:

a) The purchaser has not brought the vehicle to any of the inspections and/or to undergo maintenance tasks as required in the user manual, or the date set for these inspections or maintenance tasks has passed. Also excluded from the warranty are defects that appear before the date established for an inspection or

maintenance task that never occurred, or that will occur after the established date.

b) Inspections, maintenance work, or repairs have been conducted by third parties not recognised or authorised by **RIEJU**.

c) Any maintenance or repair has been conducted in violation of the technical requirements, specifications, and instructions set forth by the manufacturer.

d) Replacement parts not authorised for use by **RIEJU** have been used in maintenance or repair work on the vehicle, or if, and to the extent that, fuels, lubricants, or other liquids (including, but not limited to, cleaning products) that were not expressly mentioned in the User Manual's instructions have been used on or in the vehicle.

e) The vehicle has been, in any way, altered or modified or fitted with components other than the components expressly authorised by **RIEJU** as components allowed for the vehicle.

f) The vehicle has been stored or transported in a way that is contrary to technical requirements.

g) The vehicle has been used for a special use other than ordinary use, such as competition, racing, or in an attempt to beat a record.

h) The vehicle has suffered a fall or accident that directly or indirectly causes damages.

**Warranty exclusions**

The following articles are excluded from the warranty:

a) Replacements for wear, including, but not limited to, spark plugs, batteries, fuel filters, oil filter elements, chains (secondary), engine output pinions, rear rings, air filters, brake discs, brake pads, clutch disks, bulbs, fuses, carbon brushes, footrest rubber, tyres, chambers, wires, and other rubber components, ex-

haust pipe, and washers.

b) Lubricants (for example, oil, grease, etc.) and operational fluids (for example, battery fluid, coolant, etc.).

c) Inspection, adjustment, and other maintenance work, as well as all kinds of cleaning work.

d) Damage to the paint and consequent rust due to external influences, such as rocks, salt, industrial fumes, and other environmental impacts, or inadequate cleaning with inadequate products.

e) Damages caused by defects, as well as expenses caused directly or indirectly by the defects (for example, communications expenses, lodging expenses, car hire expenses, public transport expenses, recovery vehicle expenses, emergency messenger expenses, etc.) as well as other financial harm (for example, caused by loss of use of a vehicle, lost income, lost time, etc.).

f) Damage caused by overheating to any of the motorcycle's components is not covered by warranty. We recommend strictly following our use and maintenance instructions to avoid this kind of incident.

g) Acoustic or aesthetic circumstances that do not significantly affect conditions for use of the motorcycle (for example, small or hidden imperfections, normal noise or vibration in use, etc.).

h) Circumstances due to vehicle ageing (for example, fading of painted surfaces or metal coating).

**Miscellaneous**

a) If repair of the defect or replacing the part is disproportionate, **RIEJU** shall be entitled to decide, at its sole discretion, whether to repair or replace the defective parts. Ownership over the replaced parts, if applicable, shall be held by **RIEJU**, with no other consideration. The dealer authorised by **RIEJU** whom has been entrusted to repair defects shall not be authorised to make binding statements on **RIEJU**'S behalf.

b) If there is doubt as to whether there is a defect or a visual or material inspection is required, **RIEJU** reserves the right to require that the parts being claimed under the warranty be sent to it, or to request that a **RIEJU** expert examine them. Any additional warranty obligations for replaced parts at no cost or for any services provided at no cost under this warranty shall be excluded. The warranty for replaced components during the warranty period shall end on the expiry date of the warranty period of the respective product.

c) If a defect cannot be repaired and its replacement is disproportionate for the manufacturer, the consumer under warranty shall be entitled to cancellation of the contract (payment of a compensation) or partial reimbursement of the purchase price (discount) instead of motorcycle repair.

d) The purchaser's warranty claims under the purchase-sale contract with the authorised dealer shall not be affected by this warranty. This warranty shall not affect the purchaser's additional contractual rights under the general business conditions of the authorised dealer. However, said additional rights may only be claimed with the authorised dealer.

e) If the purchaser resells the product during the warranty period, the terms and conditions of this warranty shall continue to exist under their current scope, such that rights to claim pursuant to this warranty under the terms and conditions governed by this document shall be transferred to the new owner of the motorcycle.

RIEJU

FOR EVERYDAY ADVENTURE