HONDA

THE NEW CLICK 150i

OWNER'S MANUAL

- WARRANTY POLICY



ACB150CBT

*14 Point Free Check-Up

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FOR A HASSLE FREE WARRANTY

This manual should be considered a permanent part of the scooter and should remain with the scooter when it is resold.

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Welcome

Congratulations on your purchase of a new Honda scooter. Your selection of a Honda makes you part of a worldwide family of satisfied customers who appreciate Honda's reputation for building quality into every product.

To ensure your safety and riding pleasure:

- Read this owner's manual carefully.
- Follow all recommendations and procedures contained in this manual.
- Pay close attention to safety messages contained in this manual and on the scooter.
- The following codes in this manual indicate each country.
- The illustrations here in are based on the ACB150CBT IN type.

Country Codes

Code ACB150CBT	Country
IN	Indonesia
PH	Philippines

A Few Words About Safety

Your safety, and the safety of others, is very important. Operating this scooter safely is an important responsibility.
To help you make informed decisions about safety, we have provided operating procedures and other information on safety labels and in this manual. This information alerts you to potential hazards that could hurt you or others.
Of course, it is not practical or possible to warn you about all hazards associated with operating or maintaining a scooter. You must use your own good judgement.

You will find important safety information in a variety of forms, including:

- Safety labels on the scooter.
- Safety Messages preceded by a safety alert symbol ⚠ and one of three signal words: DANGER, WARNING, or CAUTION.
  These signal words mean:

⚠DANGER

You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

⚠WARNING

You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.

⚠CAUTION

You CAN be HURT if you don't follow instructions.

Other important information is provided under the following titles:

NOTICE Information to help you avoid damage to your scooter, other property, or the environment.

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Scooter Safety

This section contains important information for safe riding of your scooter.
Please read this section carefully.

Safety Guidelines ..... P. 3
Safety Precautions ..... P. 6
Riding Precautions ..... P. 7
Accessories & Modifications ..... P. 10
Loading ..... P. 11

Safety Guidelines

Follow these guidelines to enhance your safety:

- Perform all routine and regular inspections specified in this manual.
- Stop the engine and keep sparks and flame away before filling the fuel tank.
- Do not run the engine in enclosed or partly enclosed areas. Carbon monoxide in exhaust gases is toxic and can kill you.

Always Wear a Helmet

It's a proven fact: helmets and protective apparel significantly reduce the number and severity of head and other injuries. So always wear an approved motorcycle helmet and protective apparel. ➔P. 6

Before Riding

Make sure that you are physically fit, mentally focused and free of alcohol and drugs. Check that you and your passenger are both wearing an approved motorcycle helmet and protective apparel. Instruct your passenger on holding onto the grab rail or your waist, leaning with you in turns, and keeping their feet on the footpegs, even when the scooter is stopped.

Take Time to Learn & Practice

Even if you have ridden other scooters, practice riding in a safe area to become familiar with how this scooter works and handles, and to become accustomed to the scooter's size and weight.

Ride Defensively

Always pay attention to other vehicles around you, and do not assume that other drivers see you. Be prepared to stop quickly or perform an evasive maneuver.

continued

Make Yourself Easy to See

Make yourself more visible, especially at night, by wearing bright reflective clothing, positioning yourself so other drivers can see you, signaling before turning or changing lanes, and using your horn when necessary.

Ride within Your Limits

Never ride beyond your personal abilities or faster than conditions warrant. Fatigue and inattention can impair your ability to use good judgement and ride safely.

Don't Drink and Ride

Alcohol and riding don't mix. Even one alcoholic drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. Don't drink and ride, and don't let your friends drink and ride either.

Keep Your Honda in Safe Condition

It's important to keep your scooter properly maintained and in safe riding condition. Inspect your scooter before every ride and perform all recommended maintenance. Never exceed load limits (P. 11), and do not modify your scooter or install accessories that would make your scooter unsafe (P. 10).

If You are Involved in a Crash

Personal safety is your first priority. If you or anyone else has been injured, take time to assess the severity of the injuries and whether it is safe to continue riding. Call for emergency assistance if needed. Also follow applicable laws and regulations if another person or vehicle is involved in the crash.

If you decide to continue riding, first turn the ignition switch to the O (Off) position, and evaluate the condition of your scooter.

Inspect for fluid leaks, check the tightness of critical nuts and bolts, and check the handlebar, control levers, brakes, and wheels. Ride slowly and cautiously. Your scooter may have suffered damage that is not immediately apparent. Have your scooter thoroughly checked at a qualified service facility as soon as possible.

Carbon Monoxide Hazard

Exhaust contains poisonous carbon monoxide, a colourless, odorless gas. Breathing carbon monoxide can cause loss of consciousness and may lead to death.

If you run the engine in confined or even partly enclosed area, the air you breathe could contain a dangerous amount of carbon monoxide. Never run your scooter inside a garage or other enclosure.

⚠WARNING

Running the engine of your scooter while in an enclosed or even partially enclosed area can cause a rapid build-up of toxic carbon monoxide gas.

Breathing this colourless, odorless gas can quickly cause unconsciousness and lead to death.

Only run your scooter's engine when it is located in a well ventilated area outdoors.

Safety Precautions

- Ride cautiously and keep your hands on the handlebar and feet on the floor.
- Keep passenger's hands onto the grab rail or your waist, passenger's feet on the footpegs while riding.
- Always consider the safety of your passenger, as well as other drivers and riders.

Protective Apparel

Make sure that you and any passenger are wearing an approved motorcycle helmet, eye protection, and high-visibility protective clothing. Ride defensively in response to weather and road conditions.

Helmet

Safety-standard certified, high-visibility, correct size for your head

- Must fit comfortably but securely, with the chin strap fastened.
- Face shield with unobstructed field of vision or other approved eye protection

⚠WARNING

Not wearing a helmet increases the chance of serious injury or death in a crash.

Make sure that you and any passenger always wear an approved helmet and protective apparel.

Gloves

Full-finger leather gloves with high abrasion resistance

Boots or Riding Shoes

Sturdy boots with non-slip soles and ankle protection

Jacket and Trousers

Protective, highly visible, long-sleeved jacket and durable trousers for riding (or a protective suit)

Riding Precautions

Running-in Period

During the first 500 km (300 miles) of running, follow these guidelines to ensure your scooter's future reliability and performance.

- Avoid full-throttle starts and rapid acceleration.
- Avoid hard braking.
- Ride conservatively.

Brakes

Observe the following guidelines:

- Avoid excessively hard braking.
  - ▶ Sudden braking can reduce the scooter's stability.
  - ▶ Where possible, reduce speed before turning; otherwise you risk sliding out.
- Exercise caution on low traction surfaces.
  - ▶ The tyres slip more easily on such surfaces, and braking distances are longer.
- Avoid continuous braking.
  - ▶ Repeated braking, such as when descending long, steep slopes can seriously overheat the brakes, reducing their effectiveness.
- For full brake effectiveness, operate both the front and rear brakes together.

Combi Brake

Your scooter is equipped with a brake system that distributes the braking force between the front and rear brakes.
The distribution of the braking force applied to the front and rear brakes when operating the front brake lever only and when operating the rear brake lever only is different.
For full braking effectiveness, operate both the front and rear brakes together.

continued

Wet or Rainy Conditions

Road surfaces are slippery when wet, and wet brakes further reduce braking efficiency. Exercise extra caution when braking in wet conditions.

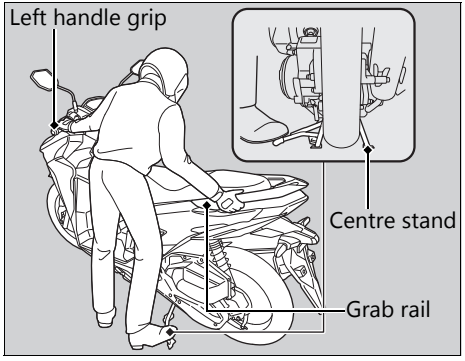
If the brakes get wet, apply the brakes while riding at low speed to help them dry.

Parking

- Park on a firm, level surface.
- If you must park on a slight incline or loose surface, park so that the scooter cannot move or fall over.
- Make sure that high-temperature parts cannot come into contact with flammable materials.
- Do not touch the engine, muffler, brakes and other high-temperature parts until they cool down.
- To reduce the likelihood of theft, always lock the handlebar, lock the ignition switch (P. 25) and leave your scooter while taking the Honda SMART Key with you.
  Deactivate the Honda SMART Key system if necessary. P. 28
  Also set the anti-theft alarm system.

Parking with the Side Stand or Centre Stand

1. Stop the engine.
2. **Using the side stand**
   Push the side stand down.
   Slowly lean the scooter to the left until its weight rests on the side stand.
   Using the centre stand
   To lower the centre stand, stand on the left side of the scooter.
   Hold the left handle grip and the grab rail.
   Press down on the tip of the centre stand with your right foot and, simultaneously, pull up and back.



3. Turn the handlebar fully to the left.
▶ Turn the handlebar to the right reduces stability and may cause the scooter to fall.
4. Turn the ignition switch to the (Lock) position (➡P. 25) and lock the ignition switch (➡P. 33).
5. Set the anti-theft alarm system. ➡P. 36

Refuelling and Fuel Guidelines

Follow these guidelines to protect the engine, fuel system and catalytic converter:

- Use only unleaded petrol.
- Use recommended octane number. Using lower octane petrol will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. ➡P. 130
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt, or water in the fuel tank.

Accessories & Modifications

We strongly advise that you do not add any accessories that were not specifically designed for your scooter by Honda or make modifications to your scooter from its original design. Doing so can make it unsafe. Modifying your scooter may also void your warranty and make your scooter illegal to operate on public roads and highways. Before deciding to install accessories on your scooter be certain the modification is safe and legal.

⚠WARNING

Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed.

Follow all instructions in this owner's manual regarding accessories and modifications.

Do not pull a trailer with, or attach a sidecar to, your scooter. Your scooter was not designed for these attachments, and their use can seriously impair your scooter's handling.

Loading

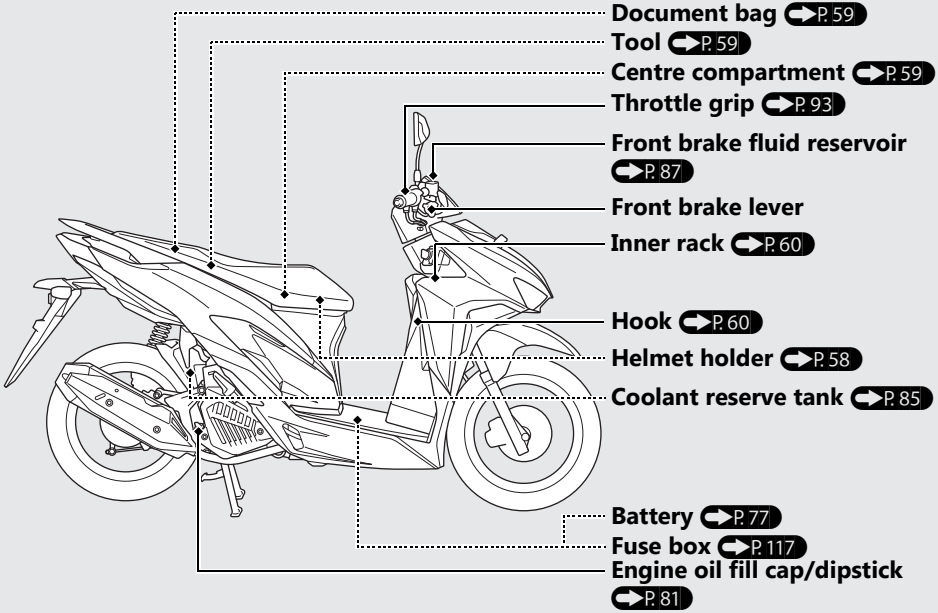
- Carrying extra weight affects your scooter's handling, braking and stability. Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
  Maximum weight capacity / Maximum luggage weight P. 132
- Tie all luggage securely, evenly balanced and close to the centre of the scooter.
- Do not place objects near the lights or the muffler.

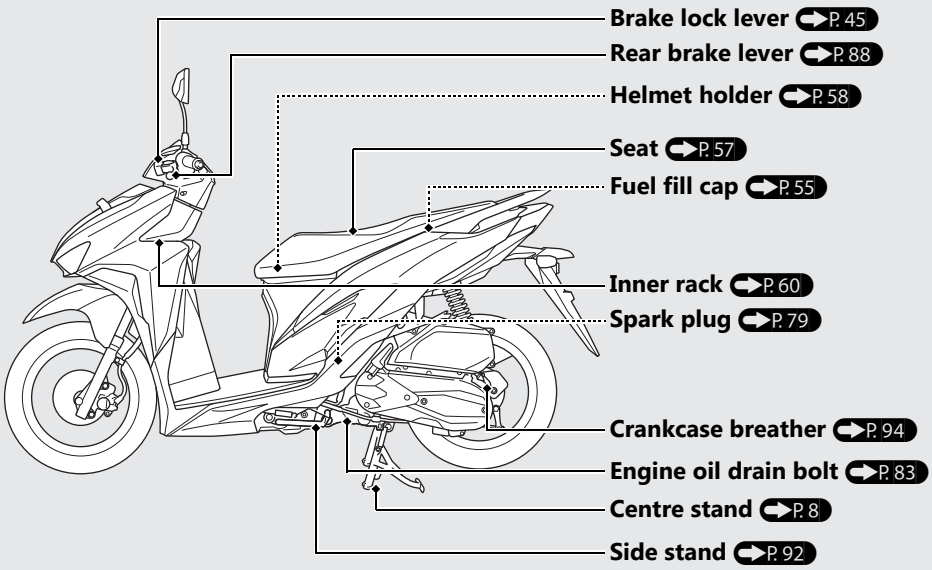
⚠WARNING

Overloading or improper loading can cause a crash and you can be seriously hurt or killed.

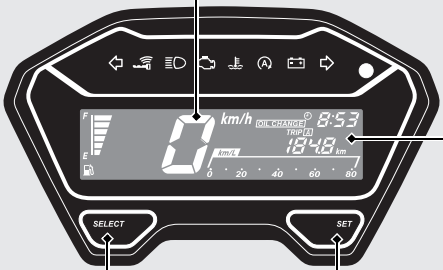
Follow all load limits and other loading guidelines in this manual.

Parts Location




Brake lock lever P. 45
Rear brake lever P. 88
Helmet holder P. 58
Seat P. 57
Fuel fill cap P. 55
Inner rack P. 60
Spark plug P. 79
Crankcase breather P. 94
Engine oil drain bolt P. 83
Centre stand P. 8
Side stand P. 92

Instruments



Speedometer
This shows your speed in kilometer per hour (km/h).

SELECT **button**

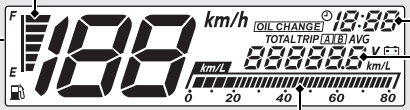
SET **button**

Display Check

When the ignition switch is turned ON, the display will temporarily show all the modes and digital segments so you can make sure the liquid crystal display is functioning properly. If any part of these displays do not come on when it should, have your dealer check for problems.

Fuel gauge
Remaining fuel when only 1st (E) segment starts flashing approximately: 1.2 litres (0.32 US gal, 0.26 Imp gal)
If the fuel gauge indicator flashes in a repeat pattern or turns off: P. 103





Clock (12-hour display)
To set the clock: P. 19

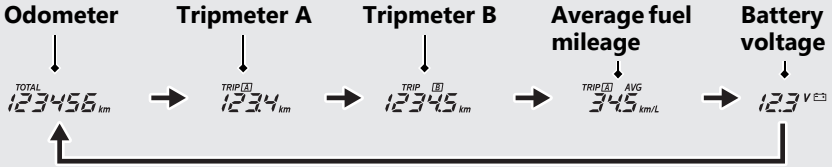
Current fuel mileage
Current instant fuel mileage. If your speed is less than 3 km/h, "0" is displayed.
When "0" is displayed at speeds above 3 km/h, go to your dealer for service.

Odometer [TOTAL]/Tripmeter [TRIP A/B]/Average fuel mileage meter [AVG]/Battery voltage meter [V]
P. 16

Instruments *(Continued)*

Odometer [TOTAL]/Tripmeter [TRIP A/B]/Average fuel mileage meter [AVG]/ Battery voltage meter [V]

SELECT button selects the odometer, tripmeter A, tripmeter B, average mileage and battery voltage.



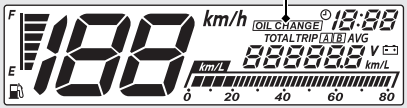
- Odometer:
  Total distance ridden.
- Tripmeter:
  Distance ridden since tripmeter was reset.
  ► To reset tripmeter, press and hold SET button the mode switch with tripmeter displayed.
  When to reset tripmeter A, the average fuel mileage is also reset.
- Average fuel mileage:
  The average fuel mileage will be based on tripmeter A.
  Average fuel mileage since tripmeter A was reset.
  When " --.-" is displayed except after the average fuel mileage has been reset, go to your dealer for service.
- Battery voltage:
  Current battery voltage.

OIL CHANGE indicator

The indicator is turned on whenever the running distance reaches the programed oil change interval.

- ▶ When the running distance reaches about 1,000 km:
  Reset the indicator for the 1st time.
- ▶ When the running distance reaches about every 6,000 km after the 1st time resetting:
  Reset the indicator whenever it is turned on.

After changing the engine oil ➡P. 82, be sure to reset the indicator.



To reset the indicator, press and hold the SET button while turning the ignition switch to the ❙ (On) position, and keep holding the SET button for more than 3 seconds.

- ▶ The indicator does not go off until it is reset.
- ▶ If the oil is changed before the oil change indicator comes on, be sure to reset the oil change indicator after changing the oil. When resetting the indicator during no indication, the indicator will appear for 2 seconds, then disappear.

Instruments *(Continued)*

Display Setting

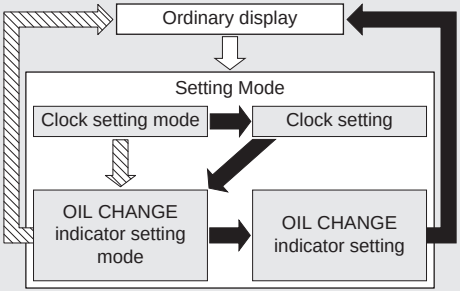
Following items can be changed sequentially.

- Clock setting
- OIL CHANGE indicator setting

⇨ Press and hold SELECT button and SET button

➡ Press SET button

⇩ Press SELECT button



The following moves the ordinary display at display setting.

- The button is not pressed for about 30 seconds
- Turn the ignition switch to the O (Off) position and then to the ❙ (On) position

1 Clock setting:

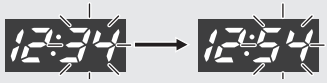
1. Turn the ignition switch to the ❙ (On) position.
2. Press and hold SELECT button and SET button, the all clock digits start flashing.
3. Press SET button, the hour digits start flashing.
4. Press SELECT button until the desired hour is displayed.
   ▶ Press and hold to advance the hour fast.



5. Press SET button. The minute digits start flashing.



6. Press SELECT button until the desired minute is displayed.
   ▶ Press and hold to advance the minute fast.



7. Press SET button. The clock is set, and then the display moves to the interval value of OIL CHANGE indicator.

Instruments *(Continued)*

2 OIL CHANGE indicator setting:

The distance until the OIL CHANGE indicator comes on is displayed.
You can adjust the interval value of OIL CHANGE indicator.

1. Press SET button. The OIL CHANGE indicator start flashing.



2. Press SELECT button until the desired value is displayed



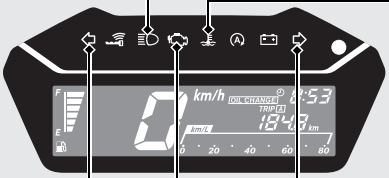
3. Press SET button. The OIL CHANGE indicator is set.

The established setting can also be set by turning the ignition switch to the O (Off) position.

The control is automatically switched from the setting mode to the ordinary display if the switch is not pressed for about 30 seconds. In this case, undecided settings will not be maintained.

Indicators

If one of these indicators does not come on when it should, have your dealer check for problems.



High beam indicator

High coolant temperature indicator

If it comes on while riding: P. 100

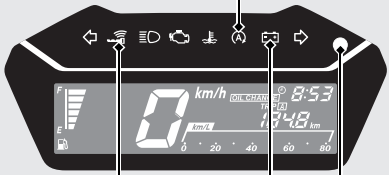
Right turn signal indicator

PGM-FI (Programmed Fuel Injection) malfunction indicator lamp (MIL)

Comes on briefly when the ignition switch is turned to the ❙ (On) position.

If it comes on while engine is running: P. 101

Left turn signal indicator



Idling Stop indicator

Comes on briefly when the Idling Stop switch in the IDLING STOP with the ignition switch turned to the ❙ (On) position.

Flashes when the Idling Stop system is activated.

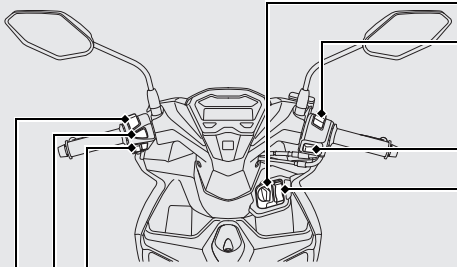
Alarm indicator
Anti-theft Alarm system: P. 36

Honda SMART Key indicator

Comes on when vehicle and Honda SMART Key verification is complete, and the ignition switch can be operated. Goes off when the ignition switch is turned to the ❙ (On) position.
When the Honda SMART Key indicator flashes: P. 102

Battery Charging Condition indicator
When the Battery Charging Condition indicator on: P. 101

Switches



Idling Stop switch

- **IDLING STOP :** The Idling Stop system is on.
- **IDLING :** The Idling Stop system is off.

Idling Stop system: P. 46

Start button

Turn signal switch

▶ Pressing the switch turns the turn signal off.

Seat opener switch

Pressing the switch opens the seat.

To open the seat: P. 57

Horn button

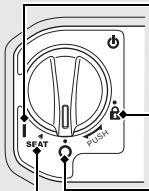
Headlight dimmer switch

- ≣D : High beam
- ≣D : Low beam

⏻ Ignition switch

Switches the electrical system on/off, locks the steering, and operates the seat opener switch.

▶ To unlock the ignition switch. P. 32

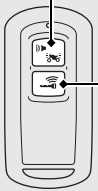


I (On)
Turns electrical system on for starting/riding.

🔒 (Lock)
Locks steering.

O (Off)
Turns engine off.

SEAT
Operates the seat opener switch.



Alarm/Answer back button
Alarm/Answer back system: P. 40

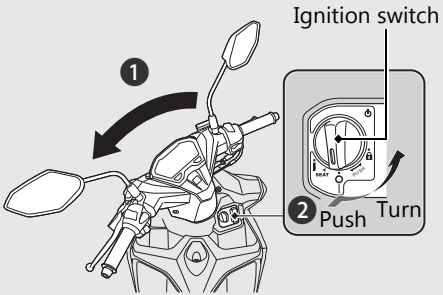
ON/OFF button P. 28

Switches *(Continued)*

Steering Lock

Lock the steering when parking to help prevent theft.

A U-shaped wheel lock or similar device is also recommended.



Locking

1. Turn the handlebar all the way to the left or right.
2. Push the ignition switch down, and turn it to the (Lock) position.
   - ▶ Jiggle the handlebar if the lock is difficult to engage.
   - ▶ To unlock the ignition switch. P. 32
3. Lock the ignition switch. P. 33

Unlocking

Push the ignition switch in, and turn it to the O (Off) position.

▶ To unlock the ignition switch. P. 32

Honda SMART Key System

The Honda SMART Key system allows you to operate the main switch without inserting a key into a keyhole.
The system runs a two-way authentication between the scooter and the Honda SMART Key to verify if it is the registered Honda SMART Key.

The Honda SMART Key system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemakers.

Honda SMART Key System *(Continued)*

Switching the Honda SMART Key System

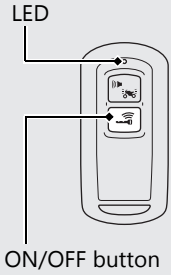
To switch the Honda SMART Key system to activation or deactivation

Push and hold the ON/OFF button until the LED colour of the Honda SMART Key changes.

To check the Honda SMART Key system status

Lightly press the ON/OFF button. The LED of the Honda SMART Key will show the status. When the LED of the Honda SMART Key is:

Green: (activation)	Honda SMART Key system authentication can be performed.
Red: (deactivation)	Honda SMART Key system authentication can not be performed.



Operating Range

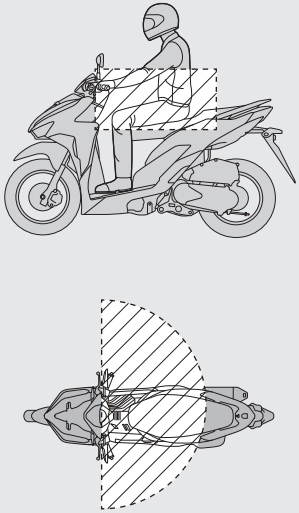
The operating range varies when the ignition switch is locked or unlocked.

The Honda SMART Key system uses low-intensity radio waves. Therefore the operating range may become wider or narrower, or the Honda SMART Key system may not work properly in the following environments.

- When the Honda SMART Key battery is depleted.
- When there are facilities nearby that generate strong radio waves or noise such as TV towers, power stations, radio stations, or airports.
- When you carry the Honda SMART Key with a laptop or wireless communication device such as a radio or mobile phone.
- When the Honda SMART Key comes into contact with or is covered by metal objects.

When the ignition switch is unlocked:

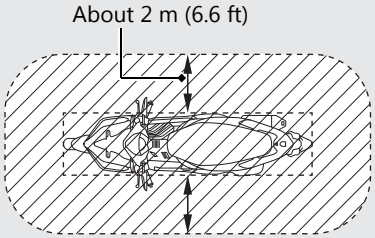
The system can be operated within the shaded area shown in the illustration.



Honda SMART Key System *(Continued)*

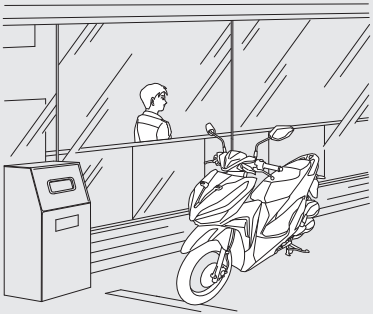
When the ignition switch is locked:

The system can be operated within the shaded area shown in the illustration.



Anyone can unlock the ignition switch and start the engine if your Honda SMART Key is within operating range of your scooter, even if you are on the other side of a wall or window. If you are away from your scooter but your Honda SMART Key is still within operating range, deactivate the Honda SMART Key system.

To switching the Honda SMART Key system ➡P. 28



Anyone in possession of the Honda SMART Key can perform the following operations if the Honda SMART Key is within operating range:

- Starting the engine
- Unlocking the ignition switch
- Releasing the seat lock
- Unlocking the steering lock

You should always keep the Honda SMART Key on your person after you get on and off the scooter or while riding.

Do not place the Honda SMART Key in the centre compartment or inner racks.

If the ignition switch is in the ▌ (On) position, the scooter can be operated even by a person who does not have a verified Honda SMART Key.

Whenever you leave your scooter, lock the steering and lock the ignition switch. P. 33

Make sure the all turn signals flash once and buzzer rings 1 time.

Honda SMART Key System *(Continued)*

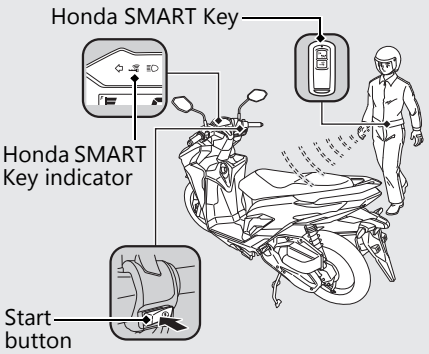
Switching the ignition switch

To Unlock the Ignition Switch

1. Make sure that the Honda SMART Key system is activated. P. 28
2. To authenticate the Honda SMART Key system, push the start button.
   - ▶ When properly authenticated and the ignition switch is unlocked, the buzzer rings 2 times and the Honda SMART Key indicator comes on.
   - ▶ The buzzer sound can be cancelled. P. 34
3. Turn the ignition switch to the ❙ (On) position while the Honda SMART Key indicator comes on.
   - ▶ If you do not turn the ignition switch to the ❙ (On) position within 20 seconds after pushing the start button, the Honda SMART Key indicator will go off, the turn signals flash once, the buzzer rings 1 time, and then the ignition switch will be locked.

When the Honda SMART Key system does not work properly P. 107

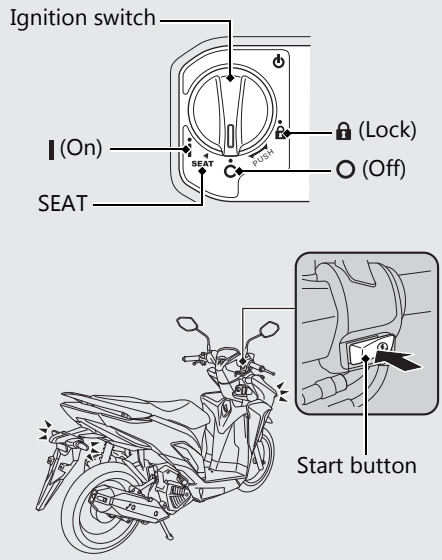
If someone without the Honda SMART Key tries to turn the ignition switch, the ignition switch rotates freely. If you notice the ignition switch is in a different position, turn the ignition switch to the original position O (Off) or 🔒 (Lock).



To Lock the Ignition Switch

1. Turn the ignition switch to the SEAT, O (Off) or 🔒 (Lock) position.
2. Lock the ignition switch by doing one of the following:
   - Leave the operating range with the Honda SMART Key. P. 29
   - Push the start button.
   - Wait for approximately 20 seconds after turning the ignition switch from ❙ (On) to SEAT, O (Off) or 🔒 (Lock) position.
   - Switch the Honda SMART Key system to deactivation. P. 28
3. Make sure that the Honda SMART Key indicator goes off, the turn signals flash once, and the buzzer rings 1 time. This indicates that the ignition switch is locked.
   ▶ The buzzer sound can be cancelled. P. 34

When the Honda SMART Key system does not work properly P. 107



Honda SMART Key System *(Continued)*

Always make sure the ignition switch position is in the O (Off) or (Lock) position when you leave your scooter.

When the ignition switch is locked in the SEAT position, the ignition switch can be turned to the O (Off) position only once.

When the ignition switch is locked in the O (Off) position, the steering cannot be locked. To lock the steering, unlock the ignition switch.

Switch the Buzzer Sound When the Ignition Switch is Locked/Unlocked

Enable

1. Deactivate the Honda SMART Key system. P. 28
2. Lightly press the ON/OFF button. The red LED of the Honda SMART Key comes on.
3. While the red LED is on, press the alarm/answer back button.
   ▶ The red LED starts blinking when the buzzer sound is properly enabled.

Disable

1. Deactivate the Honda SMART Key system. P. 28
2. Lightly press the ON/OFF button. The red LED of the Honda SMART Key blinks.
3. While the red LED is blinking, press the alarm/answer back button.
   ▶ The red LED stops blinking but stays on when the buzzer sound is properly disabled.

Anti-theft Alarm System

The anti-theft alarm system is a device to reduce the likelihood of theft. When the sensor detects vibration or movement with the ignition switch in the O (Off) or 🔒 (Lock) position and the system is set, the alarm is activated.

The buzzer rings and the turn signals blink for about 10 seconds when the anti-theft alarm system detects vibration caused by contact or movement.

The buzzer rings and the turn signals blink for about 60 seconds when the anti-theft alarm system detects a substantial change in the scooter posture. After the buzzer rings for 60 seconds, the anti-theft alarm system will be reset in that posture.



Anti-theft Alarm System *(Continued)*

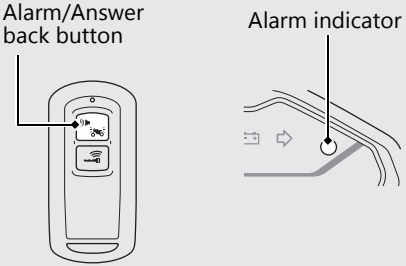
If the ignition switch is left in the O (Off) position for more than 10 days, the anti-theft alarm system will no longer operate. During the system is activating, when the scooter receives a signal by pressing the alarm/answer back button, the system activation will be extended for 10 days.
To reset the system, turn the ignition switch to the I (On) position once.

The anti-theft alarm system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.

NOTICE
When the battery in the scooter is weak, the anti-theft alarm system may not function.

Setting the Anti-theft Alarm System

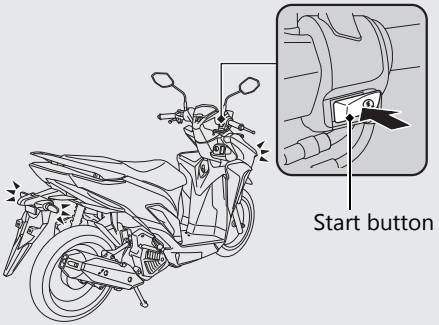
1. Turn the ignition switch to O (Off) or (Lock) position.
2. Press the alarm/answer back button. Within a second, the turn signal light blinks and the buzzer rings 1 time. After 2.5 seconds, the buzzer rings 1 time. The anti-theft alarm system is activated.
   The alarm indicator flashes while the anti-theft alarm system is activated.



Cancelling the Anti-theft Alarm System

To cancel the anti-theft alarm system, unlock the ignition switch. P. 32

▶ The ignition switch is unlocked, the buzzer rings 2 times and the alarm indicator goes off.



Stopping the Anti-theft Alarm Activation

To stop the anti-theft alarm activation, do one of the following:

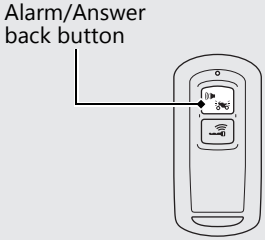
- Press the alarm/answer back button on the Honda SMART Key.

▶ The anti-theft alarm system returns to the activated.

- Unlock the ignition switch. P. 32

▶ After stopping the anti-theft alarm system will be cancelled.

▶ The ignition switch is unlocked, the buzzer rings 2 times and the alarm indicator goes off."

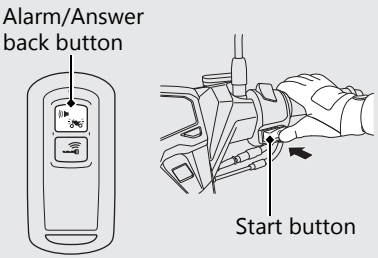


Anti-theft Alarm System *(Continued)*

Adjusting the Sensitivity of Anti-theft Alarm System

You can select from 3 sensitivity levels for the anti-theft alarm system.

1. Make sure that the Honda SMART Key system is activated. P. 28



2. Push the start button to authenticate the Honda SMART Key system. P. 32
   The Honda SMART Key indicator comes on.
3. Push and hold the start button for more than 4 seconds while the Honda SMART Key indicator comes on.
   The Honda SMART Key indicator starts blinking.
4. Push the start button while the Honda SMART Key indicator is blinking.
   The Honda SMART Key indicator switches from blinking to lighting.
   ▶ If the start button is not pressed within 5 seconds, this mode will be cancelled after the Honda SMART Key indicator stops blinking and buzzer rings 1 time.
   Try step 2 and follow the procedure again.
5. Repeat this step 3 times as follows:
   Press the alarm/answer back button on the Honda SMART Key 4 times and the start button 1 time.

▶ When the alarm/answer back button is pressed, the LED on the Honda SMART Key comes on. Make sure the LED went off before the next button pressing.

▶ If the alarm/answer back button is not pressed within 1 minute, this mode will be cancelled after the Honda SMART Key indicator starts blinking and buzzer rings 1 time.
Try step 2 and follow the procedure again.

6 Press the alarm/answer back button to select from 3 sensitivity levels of anti-theft alarm system.
3 times of alarm rings: high sensitivity
2 times of alarm rings: middle sensitivity
1 time of alarm rings: low sensitivity
The Honda SMART Key indicator comes on while setting.

7 Wait for about 10 seconds until the Honda SMART Key indicator starts blinking, and buzzer rings once. The sensitivity level is set.
▶ The sensitivity level is also set if you push and hold the start button for about 2 seconds before the Honda SMART Key indicator starts blinking.

If the Anti-Theft Alarm System Does Not Operate Properly

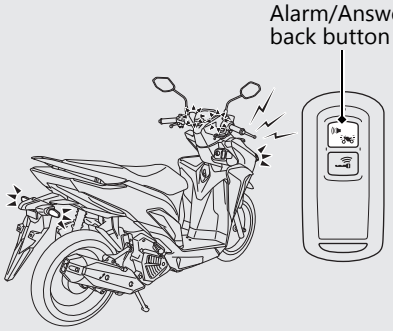
If any of the following situations arise, battery P. 77 in the scooter is discharged or there is a system problem. Remove the battery and see your dealer.

- The alarm does not ring.
- The alarm rings but fades out.
- The alarm system does not stop.

Answer Back System

The answer back system is a device to find the position of your scooter and to inform you that the immobilizer function of the Honda SMART Key system is activated.
After setting the Anti-theft Alarm System P. 36, when you press the alarm/answer back button on the Honda SMART Key with the ignition switch is in the O (Off) or (Lock) position, your scooter informs you location and activation of the immobilizer function by blinking the turn signal lights, and ringing the buzzer.

The answer back system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.



Operation

Press the alarm/answer back button on the Honda SMART Key.

- ▶ The answer back system will not function when the ignition switch is in the ❙ (On) position.
- ▶ The answer back system will not function when the alarm is not activated.

If the ignition switch is left in the O (Off) or 🔒 (Lock) position for more than 10 days, the answer back system will no longer operate. During the system is activating, when the scooter receives a signal by pressing the alarm/answer back button, the system activation will be extended for 10 days. To reset the system, unlock the ignition switch and turn the ignition switch to the ❙ (On) position once.

▶ To unlock the ignition switch P. 32

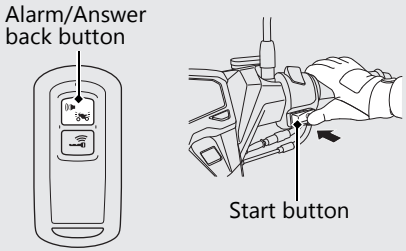
NOTICE

When the battery in the scooter is weak, the answer back system may not function.

Adjusting the Answer Back Buzzer Sound Volume Level

You can select buzzer sound volume from 3 levels.

1. Make sure that the Honda SMART Key system is activated. P. 28



2. Push the start button to authenticate the Honda SMART Key system. P. 32
   The Honda SMART Key indicator comes on.

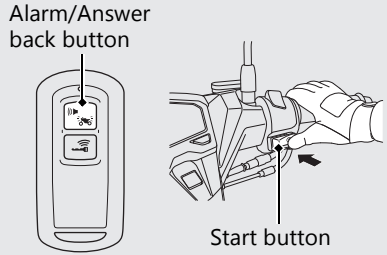
Answer Back System *(Continued)*

3. Push and hold the start button for more than 4 seconds while the Honda SMART Key indicator comes on.
   The Honda SMART Key indicator starts blinking.
4. Push the start button while the Honda SMART Key indicator is blinking.
   The Honda SMART Key indicator switches from blinking to lighting.
   ▶ If the start button is not pressed within 5 seconds, this mode will be cancelled after the Honda SMART Key indicator stops blinking and buzzer rings 1 time.
   Try step 2 and follow the procedure again.
5. Repeat this step 3 times as follows:
   Press the alarm/answer back button on the Honda SMART Key 2 times and the start button 1 time.
   ▶ When the alarm/answer back button is pressed, the LED on the Honda SMART Key comes on. Make sure the LED went off before the next button pressing.
   ▶ If the alarm/answer back button is not pressed within 1 minute, this mode will be cancelled after the Honda SMART Key indicator starts blinking and buzzer rings 1 time.
   Try step 2 and follow the procedure again.
6. Press the alarm/answer back button to select from 3 levels for the sound volume. The Honda SMART Key indicator comes on while setting.
7. Wait for about 10 seconds until the Honda SMART Key indicator starts blinking and buzzer rings once. The sound volume level is set.
   ▶ The sound volume level is also set if you push and hold the start button for about 2 seconds before the Honda SMART Key indicator starts blinking.

Changing the Answer Back Buzzer Sound Pattern

You can select buzzer sound volume from 3 levels.

1. Make sure that the Honda SMART Key system is activated. P. 28



2. Push the start button to authenticate the Honda SMART Key system. P. 32
   The Honda SMART Key indicator comes on.
3. Push and hold the start button for more than 4 seconds while the Honda SMART Key indicator comes on.
   The Honda SMART Key indicator starts blinking.
4. Push the start button while the Honda SMART Key indicator blinking.
   The Honda SMART Key indicator switches from blinking to lighting.
   ▶ If the start button is not pressed within 5 seconds, this mode will be cancelled after the Honda SMART Key indicator stops blinking and buzzer rings 1 time.
   Try step 2 and follow the procedure again.
5. Repeat this step 3 times as follows:
   Press the alarm/answer back button on the Honda SMART Key 3 times and the start button 1 time.

Answer Back System *(Continued)*

▶ When the alarm/answer back button is pressed, the LED on the Honda SMART Key comes on. Make sure the LED went off before the next button pressing.

▶ If the alarm/answer back button is not pressed within 1 minute, this mode will be cancelled after the Honda SMART Key indicator stops blinking and buzzer rings 1 time.
Try step ❷ and follow the procedure again.

❻ Press the alarm/answer back button to select from 3 buzzer sound patterns. The Honda SMART Key indicator comes on while setting.

❼ Wait for about 10 seconds until the Honda SMART Key indicator starts blinking, and buzzer rings once. The sound pattern is set.

▶ The sound pattern is also set if you push and hold the start button for about 2 seconds before the Honda SMART Key indicator starts blinking.

Temporary Silence Mode

Temporary silence mode is the immediate way to turn off the answer back system buzzer sound.

Enable:

Press and hold the alarm/answer back button about 2 seconds, LED on Honda SMART Key is changed to be red.

Disable:

Re-press and hold the alarm/answer back button about 2 seconds, LED on Honda SMART Key is changed to be green.

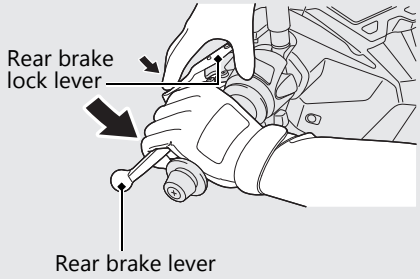
Rear Brake Lock

Be sure the rear brake lock is applied while starting and warming up the engine.

Locking

Squeeze the rear brake lever and set the rear brake lock lever.

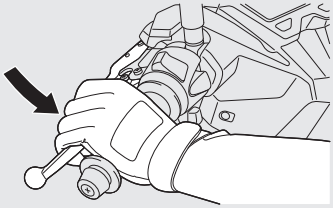
▶ The rear brake lock will not function if the rear brake is not adjusted properly. P. 88



Unlocking

Squeeze the rear brake lever.

▶ Before riding, make sure that the rear brake lock is fully released so there is no drag on the rear wheel.



Idling Stop System

Idling Stop system is designed to help reduce the fuel consumption and noise, by idling stop while making a stop such as waiting at an intersection.

Switching the Idling Stop System On or Off

Switches the Idling Stop system on or off using the Idling Stop switch.

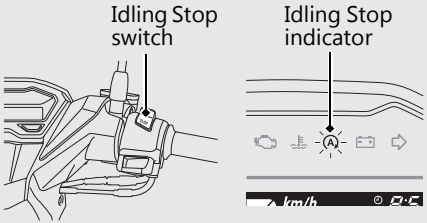
- ON: **IDLING STOP**
  - ▶ Idling Stop indicator comes on when the Idling Stop system becomes ready to stop the engine while riding. Idling Stop indicator flashes when the engine is stopped by the Idling Stop system.
- OFF: **IDLING**
  - ▶ Idling Stop indicator does not come on when the Idling Stop system is off.

Activation of the Idling Stop System

The Idling Stop system becomes ready to stop the engine and Idling Stop indicator comes on when the following requirements are satisfied with the Idling Stop switch in the IDLING STOP position:

- Started the engine by the start button.
- Warmed up the engine enough
- Ridden the scooter at speed over 10 km/h (6 mph).

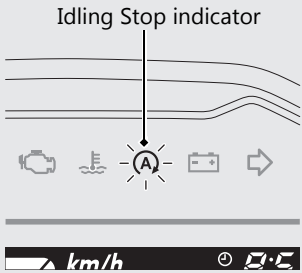
Idling Stop Indicator Does Not Come On: P. 104



Stopping the engine by the Idling Stop System

The engine stops and Idling Stop indicator changes to flash after you close the throttle completely and stop the scooter while the Idling Stop indicator is on.

► While the engine is stopped by the Idling Stop system, if you press the Idling Stop switch to IDLING, the Idling Stop system will be cancelled. The engine will not restart even when you open the throttle.



Safety Precaution for the Idling Stop System

Do not go away from the scooter while the Idling Stop indicator is flashing. When you go away from the scooter, always turn the ignition switch to the O (Off) position.

► The engine may start unexpectedly if the throttle is opened.

Engine is Not Stopped by the Idling Stop System While the Idling Stop Indicator is On: P.105

NOTICE

Stopping by the Idling Stop system for a long time may cause battery discharge.

Idling Stop System *(Continued)*

Restarting the Engine

Check that the Idling Stop indicator is flashing, and then open the throttle.

- If it is not flashing, you can't restart the engine with the Idling Stop system, even if you open the throttle.
- While the engine is stopped by the Idling Stop system, if you operate the side stand, the flashing Idling Stop indicator turns off or stops flashing and stays on, then the engine will not restart even when you open the throttle.

Engine Does Not Start Even If the Throttle is Opened: P. 106

NOTICE

Headlight stays on after the engine is stopped by the Idling Stop system. The battery may discharge and you may not be able to restart engine.

When the battery is weak, switch the Idling Stop switch to IDLING and do not use the Idling Stop system. See your dealer to check the battery.

See your dealer for checking the battery as specified in the maintenance schedule.

Maintenance Schedule: P. 63

Starting the Engine

Start your engine using the following procedure, regardless of whether the engine is cold or warm.

This scooter is equipped with a side stand ignition cut-off system.

- ▶ If the side stand is down, the engine cannot be started.
- ▶ If you lower the side stand with the engine running, it will automatically shut off.

This scooter is equipped with a Honda SMART Key system. Always keep Honda SMART Key on you when you ride the scooter. P. 27

NOTICE

- If the engine does not start within 5 seconds, turn the ignition to the O (Off) position and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine, and the exhaust system.
- If the scooter is over-turned, you must first turn the ignition switch to the O (Off) position and then inspect the scooter carefully.

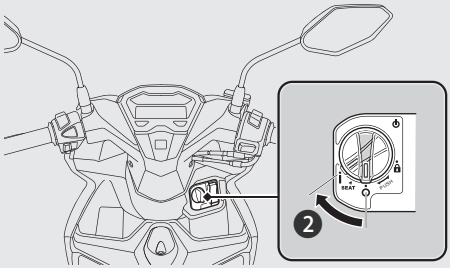
Consult your dealer for advice if you plan to ride your scooter at an altitude above 2,500 m (8,000 feet).

NOTICE

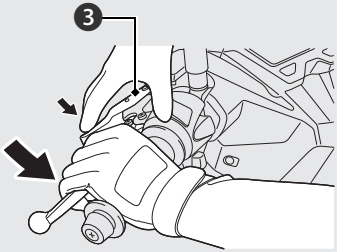
If the scooter is transported to a place 2,000 m (6,500 feet) higher or lower than the start point, you may not be able to achieve sufficient engine performance at the new altitude. Consult your dealer before transporting your scooter.

Starting the Engine *(Continued)*

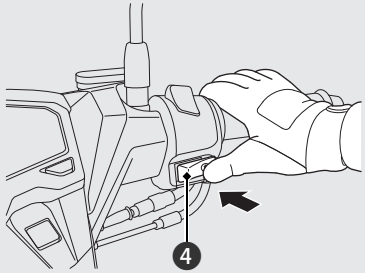
1. Place the scooter on its centre stand.
2. Turn the ignition switch to the ❙ (On) position. Confirm the following:
   - The PGM-FI malfunction indicator lamp (MIL) is OFF.
   - The high coolant temperature indicator is OFF.



3. Lock the rear wheel by squeezing the rear brake lever and setting the brake lock lever.
   ▶ The starter motor will only work when the brake lever is squeezed and the side stand is up.



❹ With the throttle completely closed, press the start button.
Release the start button as soon as the engine starts.

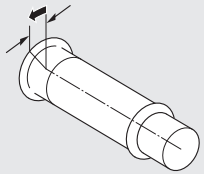


Starting the Engine *(Continued)*

If you cannot start the engine:

Open the throttle slightly (about 3 mm, without freeplay).

About 3 mm, without freeplay



If the engine does not start:

1. Open the throttle fully and press the start button for 5 seconds.
2. Follow the normal starting procedure.
3. If the engine starts with unstable idle, open the throttle slightly.
4. If the engine does not start, wait for 10 seconds, then follow steps 1 - 3 again.

If Engine Will Not Start P. 99

Riding

Starting the Scooter

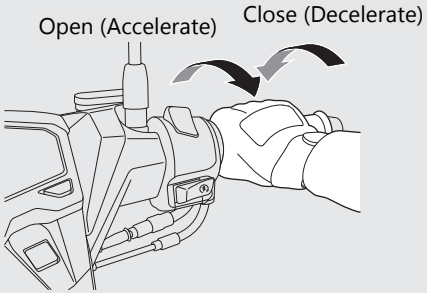
❶ Push the scooter forward off the centre stand.
▶ Lock the rear brake lock.
▶ Keep throttle closed.

Make sure the side stand and centre stand are up.

❷ Get on the scooter.
▶ Mount the scooter from the left side, keeping at least one foot on the ground.

❸ Release the rear brake lock.
▶ To prevent unexpected movement, squeeze both brake levers.

❹ Acceleration and deceleration
To accelerate: Open the throttle slowly.
To decelerate: Close the throttle.

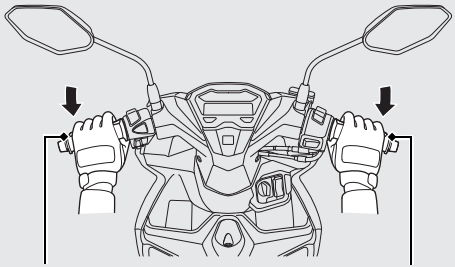


Riding *(Continued)*

Braking

Close the throttle and apply the front and rear brake levers together.

Do not apply the brake lock while riding. It may cause the wheel to lock, reducing control of the scooter.



NOTICE

To prevent clutch damage, do not use the throttle to keep the scooter stopped at up hill.

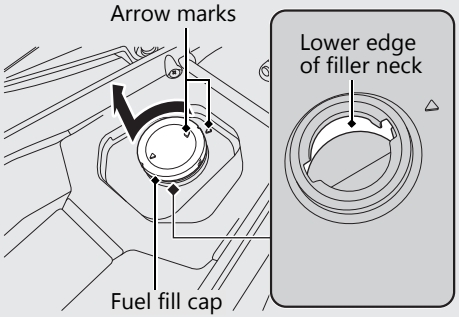
Refuelling

Fuel type: Unleaded petrol only
Fuel octane number: Your scooter is designed to use Research Octane Number (RON) 88 or higher.
Tank capacity: 5.5 litres (1.45 US gal, 1.21 Imp gal)

Refuelling and Fuel Guidelines P. 9

Opening the Fuel Fill Cap

1. Open the seat. P. 57
2. Turn the fuel fill cap counterclockwise until it stops and remove the cap.



Do not fill with fuel above the lower edge of the filler neck.

Refuelling *(Continued)*

Closing the Fuel Fill Cap

① Install and tighten the fuel fill cap firmly by turning it clockwise.
▶ Make sure that the arrow marks on the cap and fuel tank are aligned.

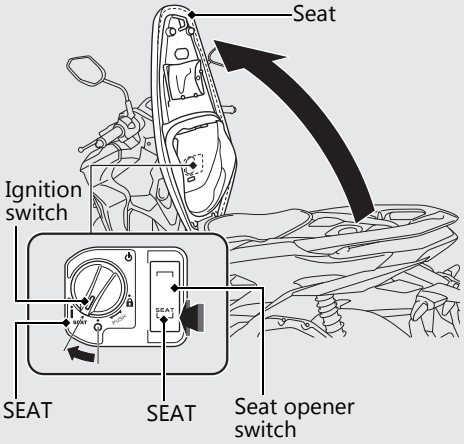
② Close the seat.

⚠WARNING

Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine, and keep heat, sparks, and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

Storage Equipment



Seat Open

1. Turn the handlebar pointed straight ahead.
2. Turn the ignition switch to the SEAT position.
   ▶ To unlock the ignition switch P. 32
3. Push the SEAT side of the seat opener switch.
4. Open the seat.

Seat Close

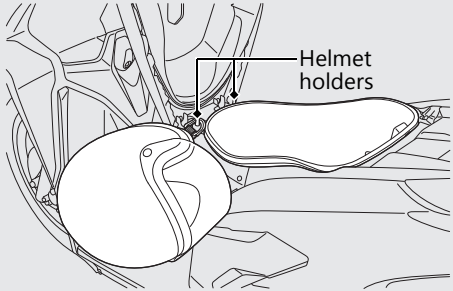
Close and push down on the rear of the seat until locks. Make sure that the seat is locked securely to pull it up lightly.
Take care not to lock your key in the compartment under the seat.

Storage Equipment *(Continued)*

Helmet Holder

The helmet holders are located under the seat.

▶ Use the helmet holders only when parked.



⚠WARNING

Riding with a helmet attached to the holder can interfere with your ability to safely operate the scooter and could lead to a crash in which you can be seriously hurt or killed.

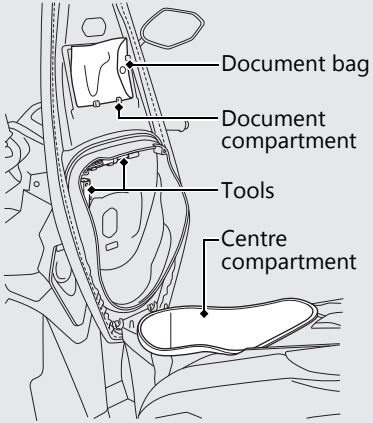
Use the helmet holder only while parked. Do not ride with a helmet secured by the holder.

Centre Compartment

Never exceed the maximum weight limit.

Maximum Weight: 10 kg (22 lb)

- ▶ Do not store any items that are flammable or susceptible to heat damage.
- ▶ Do not store valuables or fragile articles.



Tool

The tools are on the reverse side of the seat.

Document Bag

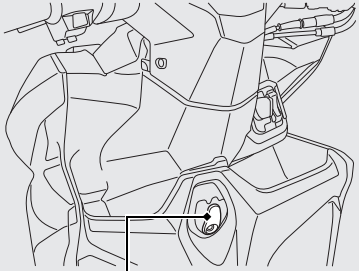
The document bag is in the document compartment on the reverse side of the seat.

Storage Equipment *(Continued)*

Hook

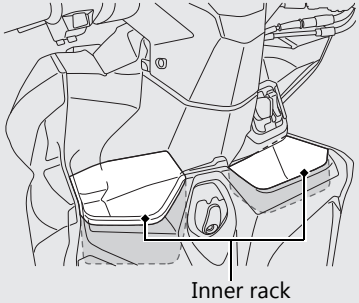
The hook is provided below the handlebar.

▶ Do not attach large luggage to the hook that would hang out from the scooter and/or interfere with the movement of your feet.



Inner Rack

The inner rack is provided below the handlebar.



The maximum allowable load on the hook and the inner rack shall be no more than **1.5 kg (3.3 lb)**.

Maintenance

Please read “Importance of Maintenance” and “Maintenance Fundamentals” carefully before attempting any maintenance. Refer to “Specifications” for service data.

Importance of Maintenance.....P. 62
Maintenance Schedule.....P. 63
Maintenance Fundamentals.....P. 66
Tool.....P. 76
Removing & Installing Body Components... P. 77
Battery.....P. 77
Spark Plug.....P. 79
Engine Oil.....P. 81
Coolant..... P. 85
Brakes..... P. 87
Side Stand..... P. 92
Throttle..... P. 93
Crankcase Breather..... P. 94
Other Adjustments..... P. 95
Adjusting the Headlight Aim.....P. 95
Other Replacement..... P. 96
Replacing the Honda SMART Key Battery.....P. 96

Importance of Maintenance

Keeping your scooter well-maintained is absolutely essential to your safety and to protect your investment, obtain maximum performance, avoid breakdowns, and reduce air pollution. Maintenance is the owner's responsibility. Be sure to inspect your scooter before each ride, and perform the periodic checks specified in the Maintenance Schedule. ➔P. 63

⚠WARNING

Improperly maintaining your scooter or failing to correct a problem before you ride can cause a crash in which you can be seriously hurt or killed.

Always follow the inspection and maintenance recommendations and schedules in this owner's manual.

Maintenance Safety

Always read the maintenance instructions before you begin each task, and make sure that you have the tools, parts, and skills required. We cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

Follow these guidelines when performing maintenance.

- Stop the engine and turn the ignition switch to the O (Off) position.
- Place your scooter on a firm, level surface using the side stand, centre stand or a maintenance stand to provide support.
- Allow the engine, muffler, brakes, and other high-temperature parts to cool before servicing as you can get burned.
- Run the engine only when instructed, and do so in a well-ventilated area.

Maintenance Schedule

The maintenance schedule specifies the maintenance requirements necessary to ensure safe, dependable performance, and proper emission control.

Maintenance work should be performed in accordance with Honda's standards and specifications by properly trained and equipped technicians. Your dealer meets all of these requirements. Keep an accurate record of maintenance to help ensure that your scooter is properly maintained. Make sure that whomever performs the maintenance completes this record.

All scheduled maintenance is considered a normal owner operating cost and will be charged to you by your dealer. Retain all receipts. If you sell the scooter, these receipts should be transferred with the scooter to the new owner.

Honda recommends that your dealer should road test your scooter after each periodic maintenance is carried out.

Maintenance Schedule

Items		Pre-ride Check ➔ P. 66	Frequency *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
Fuel Line	🔧				I	I	I	I	I	I	I		–
Fuel Level		I											–
Throttle Operation	🔧	I			I	I	I	I	I	I	I		93
Air Cleaner *2	🔧						R			R			–
Crankcase Breather *3					C	C	C	C	C	C			94
Spark Plug					I	R	I	R	I	R			79
Valve Clearance	🔧				I	I	I	I	I	I			–
Engine Oil		I		R	R	R	R	R	R	R	R		81
Engine Oil Strainer Screen						C		C		C			–
Engine Idle Speed	🔧			I	I	I	I	I	I	I	I		–
Radiator Coolant *4		I				I		I		I	I	3 Years	85
Cooling System	🔧					I		I		I	I		–
Drive Belt	🔧					I		R		I			–

Maintenance Level

🔧 : Intermediate. We recommend service by your dealer, unless you have the necessary tools and are mechanically skilled. Procedures are provided in an official Honda Shop Manual.

🛠 : Technical. In the interest of safety, have your scooter serviced by your dealer.

Maintenance Legend

I : Inspect (clean, adjust, lubricate, or replace, if necessary)

R : Replace

C : Clean

Items		Pre-ride Check ➔ P. 66	Frequency *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
Final Drive oil *4												2 Years	–
Battery					I	I	I	I	I	I	I		67
Brake Fluid *4		I			I	I	I	I	I	I	I	2 Years	87
Brake Shoes/Pads Wear		I			I	I	I	I	I	I	I		88, 91
Brake System		I		I	I	I	I	I	I	I	I		87
Brake Lock Operation					I	I	I	I	I	I			–
Headlight Aim					I	I	I	I	I	I	I		95
Lights/Horn		I											–
Clutch Shoes Wear						I		I		I			–
Side Stand		I			I	I	I	I	I	I	I		92
Suspension					I	I	I	I	I	I	I		–
Nuts, Bolts, Fasteners				I		I		I		I	I		–
Wheels/Tyres		I			I	I	I	I	I	I	I		72
Steering Head Bearings						I		I		I	I		–

Notes:

*1 : At higher odometer reading, repeat at the frequency interval established here.

*2 : Service more frequently when riding in unusually wet or dusty areas.

*3 : Service more frequently when riding in rain or at full throttle.

*4 : Replacement requires mechanical skill.

Pre-ride Inspection

To ensure safety, it is your responsibility to perform a pre-ride inspection and make sure that any problem you find is corrected. A pre-ride inspection is a must, not only for safety, but because having a breakdown, or even a flat tyre, can be a major inconvenience.

Check the following items before you get on your scooter:

- Fuel level-Fill fuel tank when necessary. ➔P. 55
- Throttle-Check for smooth opening and full closing in all steering positions. ➔P. 93
- Engine oil level-Add engine oil if necessary. Check for leaks. ➔P. 81
- Coolant level-Add coolant if required. Check for leaks. ➔P. 85
- Brakes-Check operation;
  Front: check brake fluid level and pads wear. ➔P. 87, 88
  Rear: check shoes wear and freeplay, adjust if necessary. ➔P. 88, 91
- Lights and horn-Check that lights, indicators and horn function properly.
- Side stand ignition cut-off system-Check for proper function. ➔P. 49, 92
- Wheels and tyres-Check condition, air pressure and adjust if necessary. ➔P. 72

Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety.

⚠WARNING

Installing non-Honda parts may make your scooter unsafe and cause a crash in which you can be seriously hurt or killed.

Always use Honda Genuine Parts or equivalents that have been designed and approved for your scooter.

Battery

Your scooter has a maintenance-free type battery. You do not have to check the battery electrolyte level or add distilled water. Clean the battery terminals if they become dirty or corroded.
Do not remove the battery cap seals. There is no need to remove the cap when charging.

NOTICE
Your battery is a maintenance-free type and can be permanently damaged if the cap strip is removed.



This symbol on the battery means that this product must not be treated as household waste.

NOTICE
An improperly disposed of battery can be harmful to the environment and human health.
Always confirm local regulations for proper battery disposal instruction.

What to do in an emergency

If any of the following occur, immediately see your doctor.

- Electrolyte splashes into your eyes:
  ▶ Wash your eyes repeatedly with cool water for at least 15 minutes. Using water under pressure can damage your eyes.
- Electrolyte splashes onto your skin:
  ▶ Remove affected clothing and wash your skin thoroughly using water.
- Electrolyte splashes into your mouth:
  ▶ Rinse mouth thoroughly with water, and do not swallow.

⚠WARNING

The battery gives off explosive hydrogen gas during normal operation.

A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

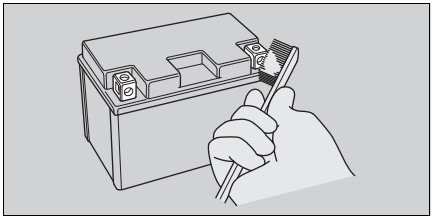
Wear protective clothing and a face shield, or have a skilled mechanic do the battery servicing.

Cleaning the Battery Terminals

1. Remove the battery. ➡P. 77

2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

3. If the terminals are heavily corroded, clean and polish the terminals with a wire brush or sandpaper. Wear safety glasses.



4. After cleaning, reinstall the battery.

The battery has a limited life span. Consult your dealer about when you should replace the battery. Always replace the battery with another maintenance-free battery of the same type.

NOTICE

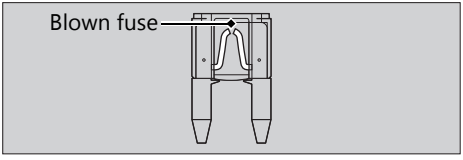
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

Fuses

Fuses protect the electrical circuits on your scooter. If something electrical on your scooter stops working, check for and replace any blown fuses. ➡ P. 117

Inspecting and Replacing Fuses

Turn the ignition switch to the O (Off) position to remove and inspect fuses. If a fuse is blown, replace with a fuse of the same rating. For fuse ratings, see "Specifications." ➡ P. 134



NOTICE

Replacing a fuse with one that has a higher rating greatly increases the chance of damage to the electrical system.

If a fuse fails repeatedly, you likely have an electrical fault. Have your scooter inspected by your dealer.

Engine Oil

Engine oil consumption varies and oil quality deteriorates according to riding conditions and time elapsed.
Check the engine oil level regularly, and add the recommended engine oil if necessary. Dirty oil or old oil should be changed as soon as possible.

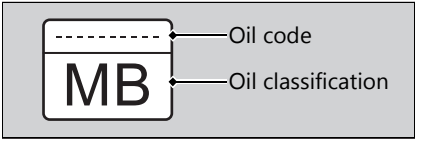
Selecting the Engine Oil

For recommended engine oil, see "Specifications." ➡P. 133

If you use non-Honda engine oil, check the label to make sure that the oil satisfies all of the following standards:

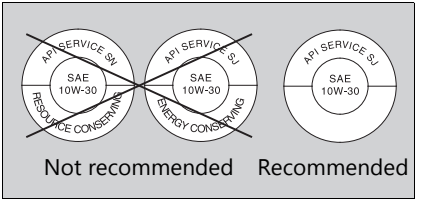
- JASO T 903 standard*1: MB
- SAE standard*2: 10W-30
- API classification*3: SG or higher

*1. The JASO T 903 standard is an index for engine oils for 4-stroke motorcycle engines. There are two classes: MA and MB. For example, the following label shows the MB classification.



*2. The SAE standard grades oils by their viscosity.

*3. The API classification specifies the quality and performance rating of engine oils. Use SG or higher oils, excluding oils marked as "Energy Conserving" or "Resource Conserving" on the circular API service symbol.



Brake Fluid

Do not add or replace brake fluid, except in an emergency. Use only fresh brake fluid from a sealed container. If you do add fluid, have the brake system serviced by your dealer as soon as possible.

NOTICE

Brake fluid can damage plastic and painted surfaces. Wipe up spills immediately and wash thoroughly.

Recommended brake fluid:

Honda DOT 3 or DOT 4 Brake Fluid or equivalent

Recommended Coolant

Use only genuine Honda PRE-MIX COOLANT without diluting with water. Genuine Honda PRE-MIX COOLANT is excellent at preventing corrosion and overheating.

The coolant should be inspected and replaced properly by following the maintenance schedule. ➔P. 63

NOTICE

Using coolant not specified for aluminium engines or tap/mineral water can cause corrosion.

Crankcase Breather

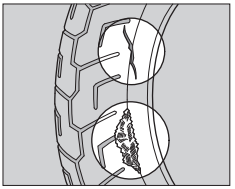
Service more frequently when riding in rain, at full throttle, or after the scooter is washed or overturned. Service if the deposit level can be seen in the transparent section of the drain tube. If the drain tube overflows, the air filter may become contaminated with engine oil causing poor engine performance. ➔P. 94

Tyres (Inspecting/Replacing)

Checking the Air Pressure

Visually inspect your tyres and use an air pressure gauge to measure the air pressure at least once a month or any time you think the tyres look low. Always check air pressure when your tyres are cold.

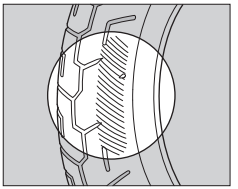
Inspecting for Damage



Inspect the tyres for cuts, slits, or cracks that exposes fabric or cords, or nails or other foreign objects embedded in the side of the tyre or the tread. Also inspect for any unusual bumps or bulges in the side walls of the tyres.

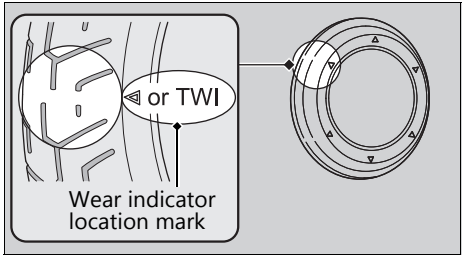
Inspecting for Abnormal Wear

Inspect the tyres for signs of abnormal wear on the contact surface.



Inspecting Tread Depth

Inspect the tread wear indicators. If they become visible, replace the tyres immediately.
For safe riding, you should replace the tyres when the minimum tread depth is reached.



⚠WARNING

Riding on tyres that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed.

Follow all instructions in this owner's manual regarding tyre inflation and maintenance.

Have your tyres replaced by your dealer.
For recommended tyres, air pressure and minimum tread depth, see "Specifications."
➲P. 133
Follow these guidelines whenever you replace tyres.

- Use the recommended tyres or equivalents of the same size, construction, speed rating, and load range.
- Do not install a tube inside a tubeless tyre on this scooter. Excessive heat build-up can cause the tube to burst.
- Use only tubeless tyres on this scooter. The rims are designed for tubeless tyres, and during hard acceleration or braking, a tubetype tyre could slip on the rim and cause the tyre to rapidly deflate.

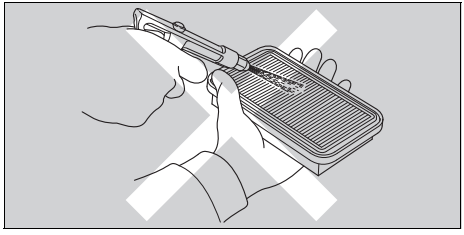
⚠WARNING

Installing improper tyres on your scooter can adversely affect handling and stability, and can cause a crash in which you can be seriously hurt or killed.

Always use the size and type of tyres recommended in this owner's manual.

Air Cleaner

This scooter is equipped with a viscous type air cleaner element.
Air blow cleaning or any other cleaning can degrade the viscous element performance and cause the intake of dust.
Do not perform the maintenance.
Should be serviced by your dealer.



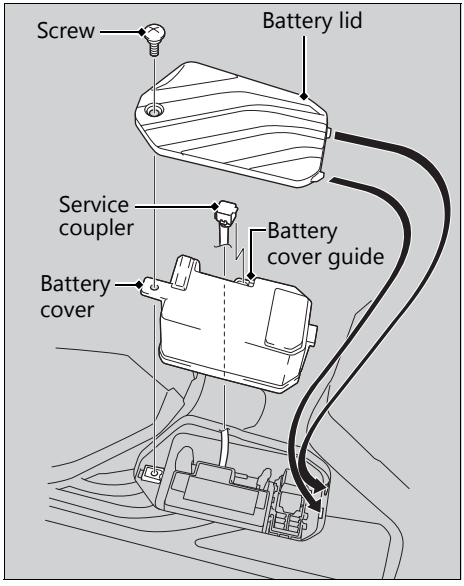
Tool

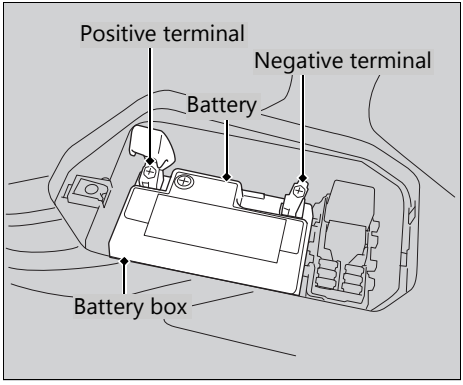
The tools are in reverse side of the seat.
➔P. 59

You can perform some roadside repairs, minor adjustments and parts replacement with the provided tools.

- Spark plug wrench
- Standard/Phillips screwdriver
- Screwdriver handle

Battery





Removal

Make sure the ignition switch is in the O (Off) position.

1. Remove the battery lid from step floor by removing the screw.
2. Remove the service coupler from the battery cover guide.

continued

3. Remove the battery cover from step floor.
4. Disconnect the negative ⊖ terminal from the battery.
5. Disconnect the positive ⊕ terminal from the battery.
6. Remove the battery taking care not to drop the terminal nuts.

Installation

Install the parts in the reverse order of removal. Always connect the positive ⊕ terminal first. Make sure that bolts and nuts are tight.

Make sure the clock information is correct after the battery is reconnected. ➡P. 18

The anti-theft alarm system will be deactivated if the battery is disconnected. The system will remain off when the battery is reconnected.

For proper handling of the battery, see
"Maintenance Fundamentals." ➡P. 66
"Battery Goes Dead." ➡P. 115

Checking the Spark Plug

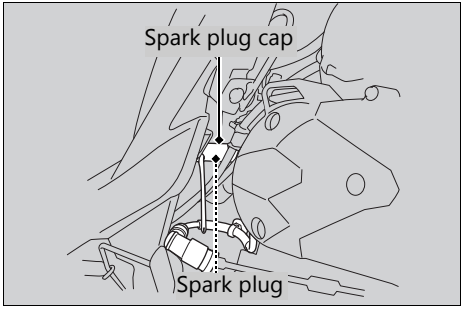
For the recommended spark plug, see "Specifications." P. 133

Use only the recommended type of spark plug in the recommended heat range.

NOTICE

Using a spark plug with an improper heat range can cause engine damage.

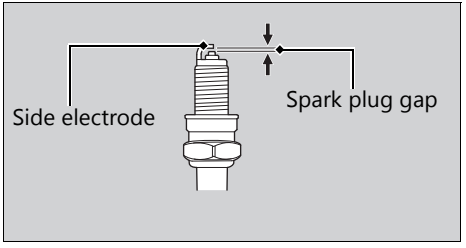
1. Place your scooter on the centre stand on a level surface.
2. Disconnect the spark plug cap from the spark plug.
3. Clean any dirt from around the spark plug base.
4. Remove the spark plug using provided spark plug wrench. P. 76



5. Inspect the electrodes and centre porcelain for deposits, erosion or carbon fouling.
   - ▶If the erosion or deposit is heavy, replace the plug.
   - ▶Clean a carbon or wet-fouled plug with a plug cleaner, otherwise use a wire brush.

6. Check the spark plug gap using a wire type feeler gauge.
▶If adjustment is necessary, bend the side electrode carefully.

The gap should be:
0.8 to 0.9 mm (0.03 to 0.04 in)



7. Make sure the plug washer is in good condition.

8. Install the spark plug. With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.

9. Tighten the spark plug:
- If the old plug is good: 1/8 turn after it seats.
- If installing a new plug tighten it twice to prevent loosening
  a) First, tighten the plug:
  NGK: 1/2 turn after it seats.
  DENSO: 3/4 turn after it seats.
  b) Then loosen the plug.
  c) Next, tighten the plug again:
  1/8 turn after it seats.

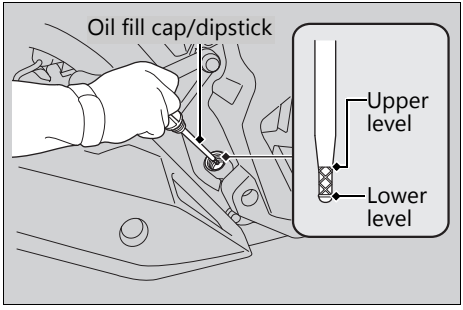
NOTICE
An improperly tightened spark plug can damage the engine. If a plug is too loose, a piston may be damaged. If a plug is too tight, the threads may be damaged.

10. Install the parts in the reverse order of removal.
▶When reinstalling the spark plug cap, take care to avoid pinching any cables or wires.

Checking the Engine Oil

Check the engine oil with the Idling Stop switch at IDLING.

1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch to the O (Off) position and wait for 2 to 3 minutes.
3. Place your scooter on its centre stand on a firm, level surface.
4. Remove the oil fill cap/dipstick and wipe it clean.
5. Insert the oil fill cap/dipstick until it seats, but don't screw it in.
6. Check that the oil level is between the upper level and lower level marks on the oil fill cap/dipstick.
7. Securely install the oil fill cap/dipstick.



Adding Engine Oil

If the engine oil is below or near the lower level mark, add the recommended engine oil.
P. 70, 133

1. Remove the oil fill cap/dipstick. Add the recommended oil until it reaches the upper level mark.
   - ▶ Place your scooter on its centre stand on a firm, level surface when checking the oil level.
   - ▶ Do not overfill above the upper level mark.
   - ▶ Make sure no foreign objects enter the oil filler opening.
   - ▶ Wipe up any spills immediately.
2. Securely reinstall the oil fill cap/dipstick.

NOTICE

Overfilling with oil or operating with insufficient oil can cause damage to your engine. Do not mix different brands and grades of oil.

For the recommended oil and oil selection guidelines, see "Maintenance Fundamentals."
P. 70

Changing Engine Oil, Cleaning Strainer Screen

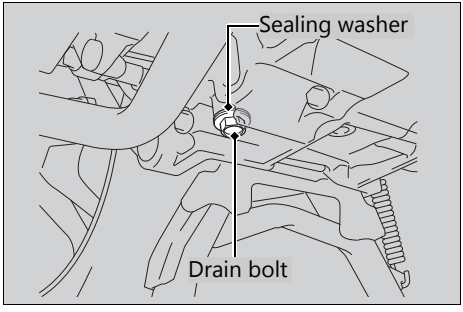
Changing the oil and cleaning the strainer screen requires special tools. We recommend that you have your scooter serviced by your dealer.

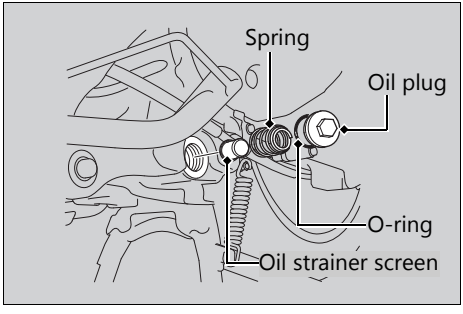
Change the engine oil with the Idling Stop switch at IDLING.

1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch to the O (Off) position and wait for 2 to 3 minutes.

3. Place your scooter on its centre stand on a firm, level surface.
4. Place a drain pan under the drain bolt and oil plug.
5. Remove the oil fill cap/dipstick, drain bolt and sealing washer to drain the oil.
6. Remove the oil plug, O-ring, spring and oil strainer screen and let the remaining oil drain out.
   ▶ Discard the oil at an approved recycling centre.
7. Clean the oil strainer screen.
8. Check that the oil strainer screen and sealing rubber are in good condition.
9. Replace the O-ring and apply a thin coat of engine oil to the new O-ring before installing it.
10. Install the oil strainer screen, spring and oil plug and tighten.

Torque: 20 N·m (2.0 kgf·m, 15 lbf·ft)





11. Install a new sealing washer onto the drain bolt. Tighten the drain bolt.

Torque: 24 N·m (2.4 kgf·m, 18 lbf·ft)

12. Fill the crankcase with the recommended oil (P. 70, 133) and install the oil fill cap/dipstick.

Required oil

When changing oil & cleaning the strainer screen:
0.8 litres (0.8 US qt, 0.7 Imp qt)

When changing oil only:
0.8 litres (0.8 US qt, 0.7 Imp qt)

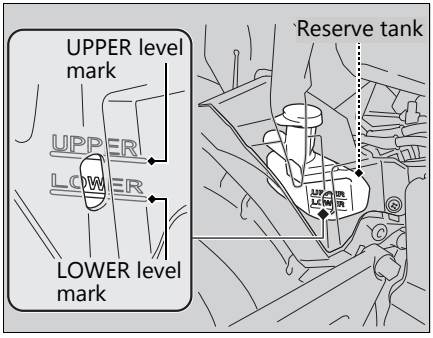
13. Check the oil level. P. 81

14. Check that there are no oil leaks.

Checking the Coolant

Check that the coolant level in the reserve tank while the engine is cold.

1. Place your scooter on a firm, level surface.
2. Hold your scooter in an upright position.
3. Check that the coolant level is between the UPPER level and LOWER level marks on the reserve tank.



If the coolant level is dropping noticeably or the reserve tank is empty, you likely have a serious leak. Have your scooter inspected by your dealer.

Adding Coolant

If the coolant level is below the LOWER level mark, add the recommended coolant (P. 71) until the level reaches the UPPER level mark.

Add fluid only from the reserve tank cap and do not remove the radiator cap.

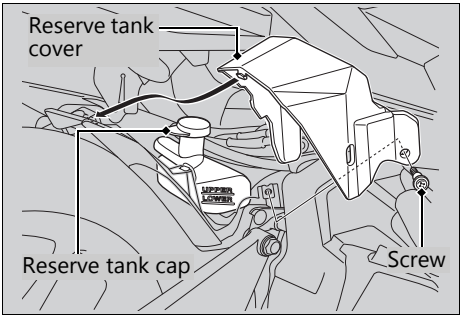
1. Remove the reserve tank cover by removing the screw.
2. Remove the reserve tank cap and add fluid while monitoring the coolant level.
   - ▶ Do not overfill above the UPPER level mark.
   - ▶ Make sure no foreign objects enter the reserve tank opening.

3. Securely reinstall the reserve tank cap.
4. Install the removed parts in the reverse order of removal.

⚠WARNING

Removing the radiator cap while the engine is hot can cause the coolant to spray out, potentially scalding you.

Always let the engine and radiator cool down before removing the radiator cap.



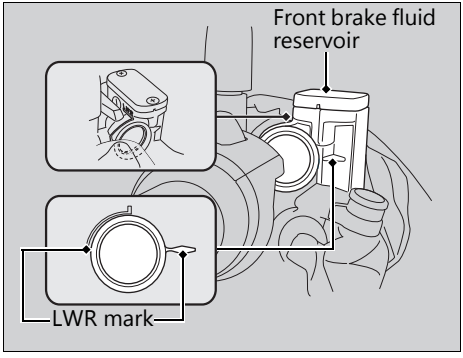
Changing Coolant

Have your dealer change the coolant unless you have the proper tools and are mechanically qualified.

Checking the Front Brake Fluid

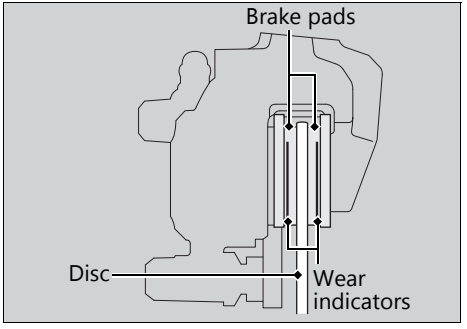
1. Place your scooter in an upright position on a firm, level surface.
2. Check that the brake fluid reservoir is horizontal and that the fluid level is above the LWR mark.

If the brake fluid level in the reservoir is below the LWR mark or the brake lever freeplay becomes excessive, inspect the brake pads for wear. If the brake pads are not worn, you most likely have a leak. Have your scooter inspected by your dealer.



Inspecting the Front Brake Pads

Check the condition of the brake pad wear indicators.
The pads need to be replaced if a brake pad is worn to the indicator.



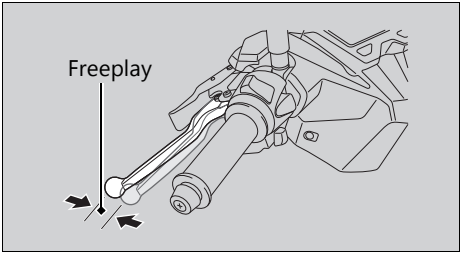
Inspect the brake pads from below the brake caliper.
If necessary have the pads replaced by your dealer.

Always replace both left and right brake pads at the same time.

Inspecting the Rear Brake Lever Freeplay

1. Place the scooter on its centre stand.
2. Measure the distance the rear brake lever moves before the brake takes hold.

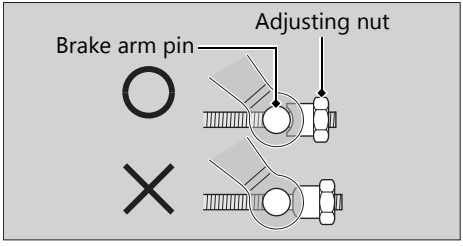
Freeplay at the tip of the brake lever:
10 to 20 mm (0.4 to 0.8 in)



Check the brake cable for kinks or signs of wear. If necessary have it replaced by your dealer.
Lubricate the brake cable with a commercially available cable lubricant to prevent premature wear and corrosion.
Make sure the brake arm, spring and fastener are in good condition.

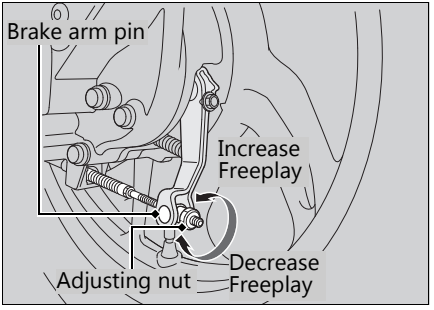
Adjusting the Rear Brake Lever Freeplay

Adjust the freeplay of the brake lever with the front wheel pointed straight ahead.
Make sure the cut-out on the adjusting nut is seated on the brake arm pin when adjusting the freeplay.



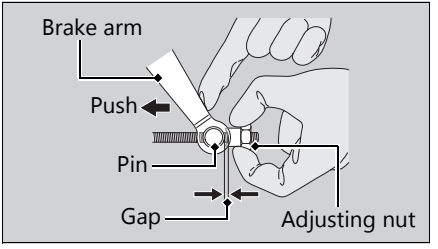
If proper adjustment cannot be obtained by this method, see your dealer.

1. Adjust by turning the rear brake adjusting nut a half-turn at a time.



2. Apply the brake several times and check for free wheel rotation after the brake lever is released.

3. Push the brake arm to confirm that there is a gap between the rear brake adjusting nut and brake arm pin.



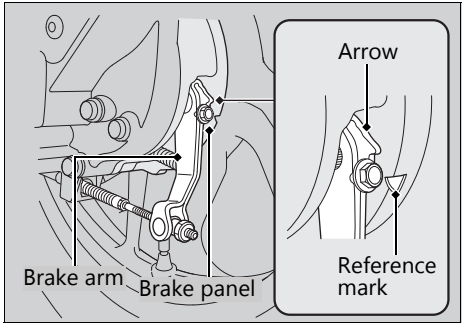
After adjustment, confirm the freeplay of the brake lever.

NOTICE

Do not turn the adjuster beyond its natural limits.

Inspecting the Rear Brake Shoe Wear

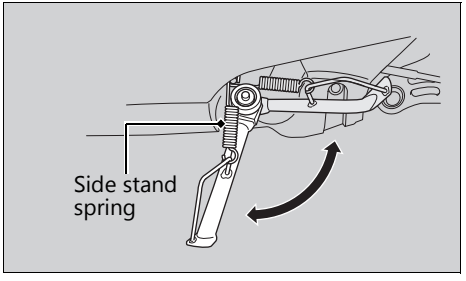
The rear brake is equipped with a brake wear indicator.



When the brake is applied, an arrow attached to the brake arm moves toward a reference mark on the brake panel. If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced. See your dealer for this service.

When the brake service is necessary, see your dealer. Use only Honda Genuine Parts or its equivalent.

Checking the Side Stand

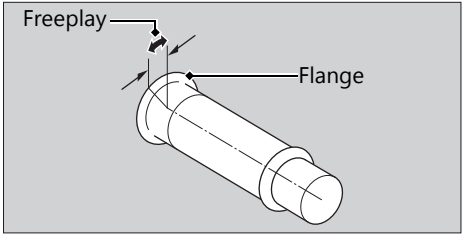


1. Place your scooter on its centre stand on a firm, level surface.
2. Check that the side stand operates smoothly. If the side stand is stiff or squeaky, clean the pivot area and lubricate the pivot bolt with clean grease.
3. Check the spring for damage or loss of tension.
4. Sit on the scooter and raise the side stand.
5. Start the engine.
6. Lower the side stand all the way. The engine should stop as you lower the side stand. If the engine doesn't stop, have your scooter inspected by your dealer.

Checking the Throttle

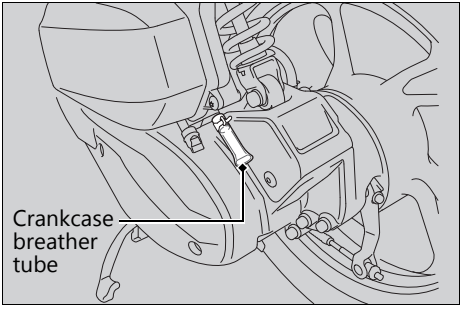
With the engine off, check that the throttle rotates smoothly from fully closed to fully open in all steering positions and throttle freeplay is correct. If the throttle does not move smoothly, close automatically, or if the cable is damaged, have the scooter inspected by your dealer.

Freeplay at the throttle grip flange:
2 to 6 mm (0.1 to 0.2 in)



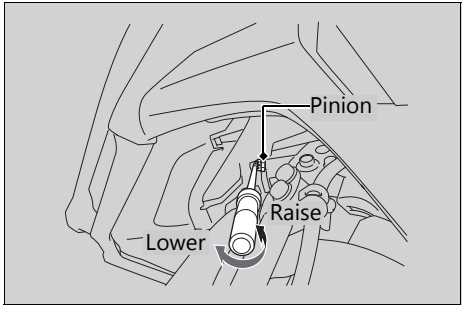
Cleaning the Crankcase Breather

1. Place a suitable container under the crankcase breather tube.
2. Remove the crankcase breather tube and drain deposits.
3. Reinstall the crankcase breather tube.



Adjusting the Headlight Aim

The right and left headlight aim can be adjusted in the same way.
You can adjust vertical aim of the headlights for proper alignment. Turn the pinion in or out as necessary using provided Phillips screwdriver (P. 76).
Obey local laws and regulations.



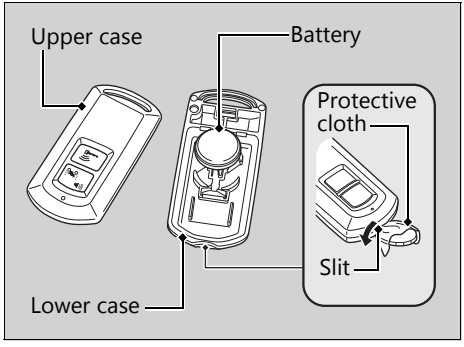
Replacing the Honda SMART Key Battery

If the Honda SMART Key indicator flashes 5 times when the ignition switch is turned to the ❙ (On) position, or the operating range becomes unstable, replace the battery as soon as possible.
We recommend to see your dealer for this service.

Battery type: CR2032

1. Remove the upper case by inserting a coin or a flat head screwdriver covered with a protective cloth into the slit.
- ▶Wrap a coin or a screwdriver with a protective cloth to prevent scratching the Honda SMART Key.
- ▶Do not touch the circuit or terminal. This may cause problems.
- ▶Be careful to avoid scratching the waterproof covering or allowing dust to enter.
- ▶Do not forcibly dismantle the Honda SMART Key body.

2. Replace the old battery with a new battery with the negative ⊖ side facing up.
3. Snap the two halves of the remote transmitter back together.
▶Make sure that upper and lower cases are set in the right position.



⚠WARNING

Chemical Burn Hazard: do not swallow battery.
If swallowed, the battery can cause severe internal burns and even death.

- Keep battery away from children and battery compartment securely closed.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- Immediately seek medical attention if a child may have swallowed battery.

Troubleshooting

Engine Will Not Start ..... P. 99
Overheating (High coolant temperature indicator is on) ..... P. 100
Warning Indicators On or Flashing ..... P. 101
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 101
Battery Charging Condition Indicator ..... P. 101
Honda SMART Key Indicator ..... P. 102
Other Warning Indications ..... P. 103
Fuel Gauge Failure Indication ..... P. 103
When the Idling Stop System Does Not Operate Properly ..... P. 104
Idling Stop Indicator Does Not Come On ... P. 104
Engine is Not Stopped by the Idling Stop System While the Idling Stop Indicator is On ..... P. 105
Engine Does Not Start Even If the Throttle is Opened ..... P. 106
When the Honda SMART Key System Does Not Operate Properly ..... P. 107
Unlock the Seat in an Emergency ..... P. 109
Unlock the Ignition Switch in an Emergency ..... P. 111
Tyre Puncture ..... P. 114
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Battery Goes Dead ..... P. 115
Burned-out Light Bulb ..... P. 115
Blown Fuse ..... P. 117
Unstable Engine Operation Occurs Intermittently ..... P. 118

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. ➡P. 49
- Check that there is petrol in the fuel tank.
- Check if the PGM-FI malfunction indicator lamp (MIL) is on.
  ▶If the indicator lamp is on, contact your dealer as soon as possible.

Starter Motor Does Not Operate

Check the following items:

- Check the correct engine starting sequence. ➡P. 49
- Check for a blown fuse. ➡P. 117
- Check for a loose battery connection (➡P. 77) or battery terminal corrosion (➡P. 68).
- Check the condition of the battery. ➡P. 115

If the problem continues, have your scooter inspected by your dealer.

Overheating (High coolant temperature indicator is on)

The engine is overheating when the following occurs:

- High coolant temperature indicator comes on.
- Acceleration becomes sluggish.

If this occurs, pull safely to the side of the road and perform the following procedure.
Extended fast idling may cause the high coolant temperature indicator to come on.

NOTICE

Continuing to ride with an overheated engine can cause serious damage to the engine.

1. Stop the engine using the ignition switch.
2. Allow the engine to cool with the ignition switch in the O (Off) position.
3. After the engine has cooled, inspect the radiator hose and check if there is a leak.
   ➔P. 85
   If there is a leak:
   Do not start the engine. Transport your scooter to your dealer.
4. Check the coolant level in the reserve tank.
   ➔P. 85
   ▶Add coolant as necessary.
5. If 1-4 check normal, you may continue riding, but closely monitor the high coolant temperature indicator.

PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL)

If the indicator comes on while riding, you may have a serious problem with the PGM-FI system. Reduce speed and have your scooter inspected by your dealer as soon as possible.

Battery Charging Condition Indicator

If the indicator comes on while riding, you may have a condition of low battery voltage or battery performance degradation. Have your scooter inspected by your dealer.

▶If the battery does not have enough voltage to drive the indicator system, the indicator may not come on.

Honda SMART Key Indicator

When the Honda SMART Key indicator flashes 5 times

Replacing the Honda SMART Key Battery
➡ P. 96

When the Honda SMART Key indicator is flashing while the ignition switch is in the ❙ (On) position

The Honda SMART Key indicator flashes when communication between your scooter and Honda SMART Key stops after turning the ignition switch to the ❙ (On) position.
It is probably caused by the following:

- Strong radio waves or noise are affecting the system
- Unable to authenticate between SMART Key and scooter when pushing the start button
- You lose the Honda SMART Key while riding

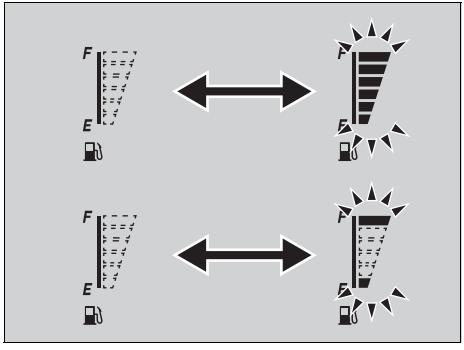
However, this does not affect the operation of your scooter until stop the engine except the idling stop.

If stop the engine except idling stop while the Honda SMART Key indicator is flashing, the buzzer rings.
If you turn the ignition switch to the SEAT, ○ (Off) or 🔒 (Lock) position while the Honda SMART Key indicator is flashing and the buzzer rings for about 20 seconds, automatically goes off, and then the ignition switch will be locked.
▶ Turn signal lights blink at the beginning and end of this function.
Also, to stop this flashing and ringing, press and hold the start button for more than 2 seconds. After the flashing and ringing stop, the ignition switch is locked.

If you do not have the Honda SMART Key, the ignition switch can be unlocked in another way. ➡ P. 111

Fuel Gauge Failure Indication

If the fuel system has an error, the fuel gauge indicators will be displayed as shown in the illustration.
If these occur, see your dealer as soon as possible.



Idling Stop Indicator Does Not Come On

When the Idling Stop indicator does not come on, perform the followings.

If the Idling Stop switch is at IDLING:

Press the Idling Stop switch to IDLING STOP.

If the engine is cold:

Warm up the engine.
The Idling Stop system does not operate when the engine is cold.

If you did not ride the scooter after engine starts:

Ride the scooter at speeds of over 10 km/h (6 mph). The Idling Stop system does not operate until you ride once.

If PGM-FI malfunction indicator lamp (MIL) lights:

When the PGM-FI malfunction indicator lamp (MIL) lights, the Idling Stop system does not operate for protection of the engine. See your dealer.

If the battery voltage is low:

Ride the scooter awhile, then stop the engine and then restart the engine with the start button, referring to the starting procedure (P. 49) for standard engine starting. The Idling Stop system may not operate if the battery voltage is low.
If this occurs frequently, contact your dealer.

Engine is Not Stopped by the Idling Stop System While the Idling Stop Indicator is On

When the engine is not stopped by Idling Stop system while the Idling Stop indicator is on, perform the followings.

If the scooter does not stop completely:

Stop the scooter completely. The Idling Stop system operates if the speed is only at 0 km/h (0 mph).

If the throttle is not closed completely:

Close the throttle completely.

Engine Does Not Start Even If the Throttle is Opened

Engine does not start even if the throttle is opened, perform the followings.

If the side stand is down:

While the engine is stopped by the Idling Stop system, if you operate the side stand, the flashing Idling Stop indicator turns off or stops flashing and stays on, and the Idling Stop system is cancelled. Restart the engine with the start button, referring to the starting procedure (➡P. 49) for standard engine starting.

If the Idling Stop switch is at IDLING:

While the engine is stopping by the Idling Stop system, if you press the Idling Stop switch to IDLING, the Idling Stop system will be cancelled. Restart the engine with the start button, referring to the starting procedure (➡P. 49) for standard engine starting.

If the Idling Stop indicator flashes (the Idling Stop switch is at IDLING STOP position), but engine does not start even if the throttle is opened, perform the followings.

Low (or dead) battery or battery lead is loose:

Check the battery and battery terminals. If the battery is weak, contact your dealer.

When the Honda SMART Key System Does Not Operate Properly

When the Honda SMART Key system does not work properly, perform the following.

● Check that the Honda SMART Key system is activated.
Lightly press the ON/OFF button on the Honda SMART Key.
If the LED of the Honda SMART Key is red, switch the Honda SMART Key system to activation. ➡P. 28
If the LED of the Honda SMART Key does not respond, replace the battery of the Honda SMART Key. ➡P. 96

● Check that there is no communication failure in the Honda SMART Key system. The Honda SMART Key system uses low-intensity radio waves. The Honda SMART Key system may not work properly in the following environments:
▶ When there are facilities nearby that generate strong radio waves or noise such as TV towers, power stations, radio stations, or airports.
▶ When you carry the Honda SMART Key with a laptop or wireless communication device such as a radio or mobile phone.
▶ When the Honda SMART Key comes into contact with or is covered by metal objects.

● Check that a registered Honda SMART Key is used.
Use a registered Honda SMART Key.
The Honda SMART Key system cannot be activated without a registered Honda SMART Key.

● Make sure that you do not use a broken Honda SMART Key.
If you use a broken Honda SMART Key, the Honda SMART Key system cannot be activated. Bring the emergency key and ID tag to your dealer.

● Check the battery condition and battery lead in your scooter.
Check the battery and battery terminals. If the battery is weak, contact your dealer.

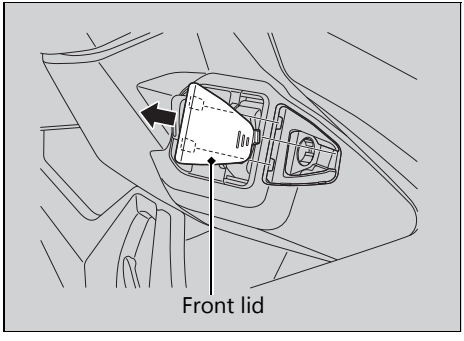
If the Honda SMART Key system cannot be activated due to other causes, contact your dealer.

Unlock the Seat in an Emergency

The seat lock can be unlocked by using the emergency key.

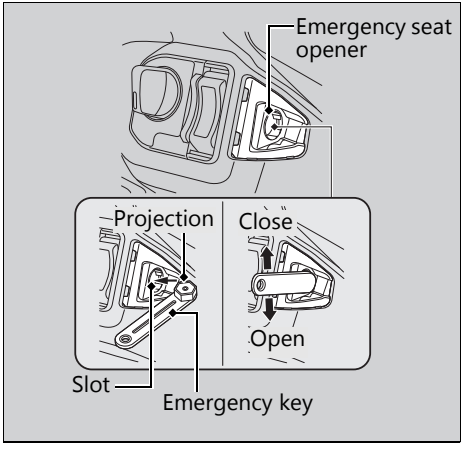
Open

1. Remove the front lid.



2. Align the projection of the emergency key with the slot of the emergency seat opener, and turn the emergency key counterclockwise.

3. Open the seat and turn the emergency key clockwise.

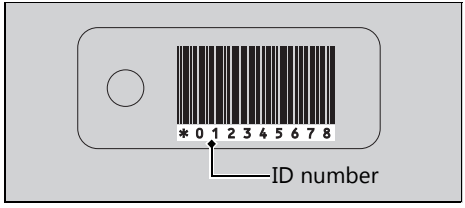


Close

1. Close and push down on the rear of the seat until it locks. Make sure that the seat is locked securely by pulling it up lightly. If the seat is not locked, turn the emergency key clockwise to lock the seat catch.
2. Install the front lid.
   Make sure that all tabs are installed securely in position.

Set up to ID number input mode

1. Check the ID number on the ID tag.



ID number input

You can input your ID number by pressing the start button when the ignition switch is in the O (Off), (Lock) or SEAT position.

Push and hold the start button for more than 4 seconds. The Honda SMART Key indicator starts blinking.

Push the start button while the Honda SMART Key indicator is blinking, then the buzzer rings once.

This means that you can input the ID number.

Input the ID number on the ID tag in order from the left in turn by pressing the start button.

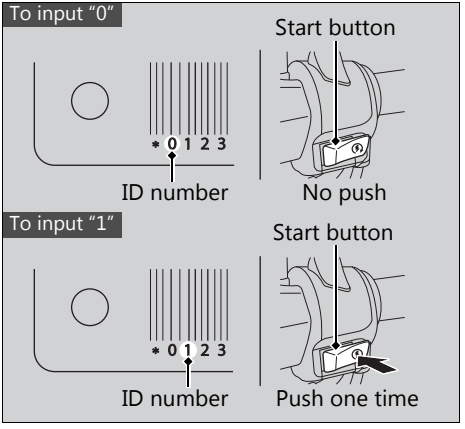
The ID number is authenticated according to the number of times the start button is pushed.

continued

Push the start button the desired number of times within 5 seconds when the Honda SMART Key indicator comes on. After 5 seconds, the Honda SMART Key indicator goes off and comes on again. This means that the inputted number is fixed, and you can input the next number.

Example:

- To input "0", wait for 5 seconds without pushing the start button when the Honda SMART Key indicator comes on.
- To input "1", push the start button once within 5 seconds when the Honda SMART Key indicator comes on.



ID number input success

After the last ID number is inputted, the Honda SMART Key indicator will go off and come on again, and buzzer rings twice.
The ignition switch is then unlocked. Turn the ignition switch to the ❙ (On) position within 6 minutes. You can start the engine.
To lock the ignition switch, turn the ignition switch to the SEAT, O (Off), or 🔒 (Lock) position, and push and hold the start button for about 2 seconds. Buzzer rings 1 time and all turn signals flash once. The ignition switch also locks automatically when the ignition switch has been in the SEAT, O (Off), or 🔒 (Lock) position for about 6 minutes after the ID number is successfully inputted.
When the ignition switch is locked, the Honda SMART Key indicator goes off.
To unlock the ignition switch again, repeat the procedure for unlocking the ignition switch.

ID number input failure

After the last ID number is inputted, the Honda SMART Key indicator will flash every second, buzzer rings once, and the ignition switch cannot be unlocked.
Follow the procedure again. ➔P. 111

ID number input cancel

Push and hold the start button for about 2 seconds.
Also, if you make a mistake while inputting the ID number, re-input the ID number from the beginning. ➔P. 111

Repairing a puncture or removing a wheel requires special tools and technical expertise. We recommend you have this type of service performed by your dealer.
After an emergency repair, always have the tyre inspected/replaced by your dealer.

Emergency Repair Using a Tyre Repair Kit

If your tyre has a minor puncture, you can make an emergency repair using a tubeless tyre repair kit.
Follow the instructions provided with the emergency tyre repair kit.
Riding your scooter with a temporary tyre repair is very risky. Do not exceed 50 km/h (30 mph). Have the tyre replaced by your dealer as soon as possible.

⚠WARNING

Riding your scooter with a temporary tyre repair can be risky. If the temporary repair fails, you can crash and be seriously injured or killed.

If you must ride with a temporary tyre repair, ride slowly and carefully and do not exceed 50 km/h (30 mph) until the tyre is replaced.

Battery Goes Dead

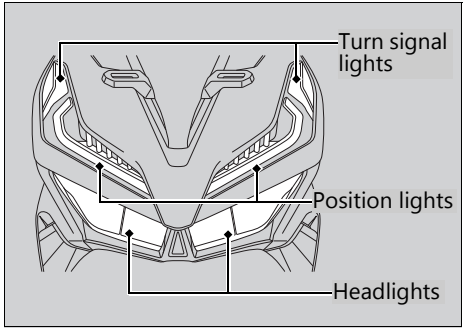
Charge the battery using a motorcycle battery charger.
Remove the battery from the scooter before charging.
Do not use an automobile-type battery charger, as these can overheat a scooter battery and cause permanent damage.
If the battery does not recover after recharging, contact your dealer.

NOTICE
Jump starting using an automobile battery can damage your scooter's electrical system and is not recommended.

Burned-out Light Bulb

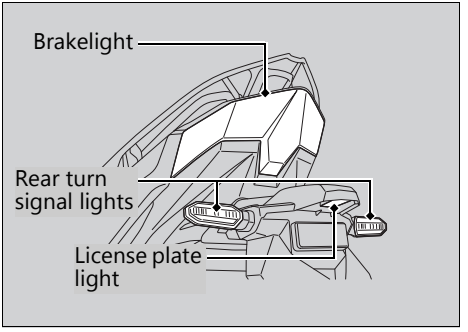
All light bulbs on the scooter's are LEDs. If there is a LED which is not turned on, see your dealer for servicing.

Headlight/Front Turn Signal Light/ Position Light



The headlight/front turn signal light/position light use several LEDs.
If there is a LED which is not turned on, see your dealer for this servicing.

Brakelight/Taillight/Rear Turn Signal Light/License Plate Light

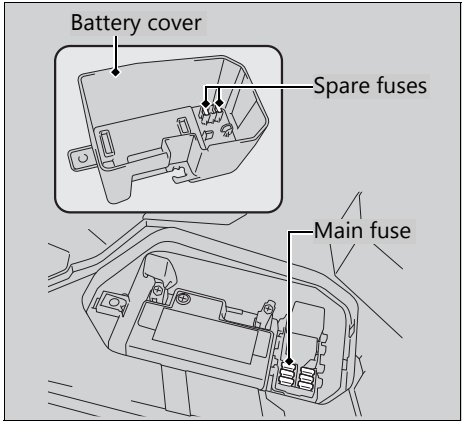


The brakelight/taillight/rear turn signal light/ license plate light use several LEDs.
If there is a LED which is not turned on, see your dealer for this servicing.

Blown Fuse

Before handling fuses, see "Inspecting and Replacing Fuses." ➡P. 69

Fuse Box Fuses



1. Remove the battery lid and the battery cover from the step floor. ➡P. 77
2. Pull out the fuses one by one to check for a blown fuse. Always replace a blown fuse with a spare of the same rating.
   ▶ Spare fuses are provided on the reverse side of the battery cover.
3. Install the battery lid and the battery cover.

NOTICE

If a fuse fails repeatedly, you likely have an electrical problem. Have your scooter inspected by your dealer.

Unstable Engine Operation Occurs Intermittently

If the fuel pump filter is clogged, unstable engine operation will occur intermittently while riding.
Even if this symptom occurs, you can continue to ride your scooter.
If unstable engine operation occurs even if sufficient fuel is available, have your scooter inspected by your dealer as soon as possible.

Information

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Instruments, Controls, & Other Features ... P. 123
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Storing Your Scooter ..... P. 127
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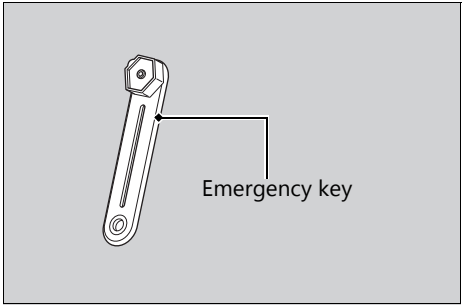
Keys

Emergency Key

The emergency key is used for an emergency.

● To unlock the seat. P. 109

Do not store the emergency key in any compartment.



Honda SMART Key

Carrying the Honda SMART Key allows you to perform the following operations:

● Locking or unlocking the ignition switch
● Releasing the seat lock
● Locking or unlocking the steering

The ID number of the Honda SMART Key is on the ID tag. You can also unlock the ignition switch by inputting the ID number.

Always carry both the emergency key and ID tag, but separate from the Honda SMART Key, to avoid losing all of them at the same time.

Also store a copy of your ID number in a safe place other than your scooter.

The Honda SMART Key contains electronic circuits. If the circuits are damaged, the Honda SMART Key will not allow you to perform any operations.

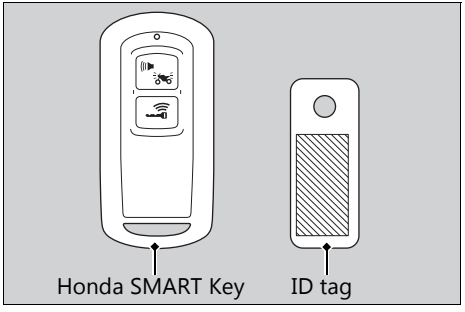
- Do not drop the Honda SMART Key or set heavy objects on them.
- Protect the Honda SMART Key from direct sunlight, high temperature, and high humidity.
- Do not scratch or puncture.
- Do not store near any magnetized products such as a magnetized key chain.
- Always keep the Honda SMART Key away from electric appliances such as a TV, radio, PC or low-frequency massage device.
- Keep the Honda SMART Key away from liquids. If it gets wet, dry it immediately with a soft cloth.
- Keep the Honda SMART Key away from the scooter while washing the scooter.
- Do not burn.
- Do not wash in the ultrasonic cleaner.
- If fuel, wax, or grease adhere to the Honda SMART Key, wipe it off immediately to avoid cracking or warping.
- Do not disassemble the Honda SMART Key other than when changing a battery. Only the cover of the Honda SMART Key can be disassembled. Do not disassemble other parts.
- Do not lose your Honda SMART Key. If you lose it, you will need to register a new Honda SMART Key. See your dealer with your emergency key and ID tag for registration.

continued

The battery in the Honda SMART Key system normally lasts about 2 years.

Do not keep mobile phones or other radio transmitting devices in luggage box. The radio frequency from the devices will interrupt the Honda SMART Key system.

To get an additional Honda SMART Key, take the Honda SMART Key and the scooter to your dealer.



Instruments, Controls, & Other Features

Ignition Switch

Leaving the ignition switch in the ❙ (On) position with the engine stopped will drain the battery.

Do not turn the ignition switch while riding.

Odometer

The display locks at 999,999 when the read-out exceeds 999,999.

Tripmeter

The tripmeters return to 0.0 when each read-out exceeds 999.9.
Also average fuel mileage is reset at the same time when the tripmeter A is reset.

Document Bag

The owner's manual, registration, and insurance information can be stored in the plastic document bag reverse side of the seat.

Caring for Your Scooter

Frequent cleaning and polishing is important to ensure the life of your Honda. A clean scooter makes it easier to spot potential problems.
In particular, seawater and salts used to prevent ice on roads promote the formation of corrosion. Always wash your scooter thoroughly after riding on coastal or treated roads.

Washing

Allow the engine, muffler, brakes, and other high-temperature parts to cool before washing.

1. Rinse your scooter thoroughly using a low pressure garden hose to remove loose dirt.

2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
▶ Clean the headlight lens, panels, and other plastic components with extra care to avoid scratching them. Avoid directing water into the air cleaner, muffler, and electrical parts.

3. Thoroughly rinse your scooter with plenty of clean water and dry with a soft, clean cloth.

4. After the scooter dries, lubricate any moving parts.
▶ Make sure that no lubricant spills onto the brakes or tyres. Brake disc, pads, drum or shoes contaminated with oil will suffer greatly reduced braking effectiveness and can lead to a crash.

5. Apply a coat of wax to prevent corrosion.
▶ Avoid products that contain harsh detergents or chemical solvents. These can damage the metal, paint, and plastic on your scooter.
Keep the wax clear of the tyres and brakes.
▶ If your scooter has any mat painted parts, do not apply a coat of wax to the mat painted surface.

Washing Precautions

Follow these guidelines when washing:

- Do not use high-pressure washers:
  - ▶ High-pressure water cleaners can damage moving parts and electrical parts, rendering them inoperable.
  - ▶ Water in the air intake can be drawn into the throttle body and/or enter the air cleaner.
- Do not direct water at the muffler:
  - ▶ Water in the muffler can prevent starting and causes rust in the muffler.
- Dry the brakes:
  - ▶ Water adversely affects braking effectiveness. After washing, apply the brakes intermittently at low speed to help dry them.
- Do not direct water under the seat:
  - ▶ Water in the under seat compartment can damage your documents and other belongings.
- Do not direct water at the air cleaner:
  - ▶ Water in the air cleaner can prevent the engine from starting.
- Do not direct water near the headlight:
  - ▶ The headlight's inside lens may fog temporarily after washing or while riding in the rain. This does not impact the headlight function.
    However, if you see a large amount of water or ice accumulated inside the lens(es), have your vehicle inspected by your dealer.
- Do not use wax or polishing compounds on mat painted surface:
  - ▶ Use soft cloth or sponge, plenty of water, and a mild detergent to clean mat painted surfaces. Dry with a soft clean cloth.

Aluminium Components

Aluminium will corrode from contact with dirt, mud, or road salt. Clean aluminium parts regularly and follow these guidelines to avoid scratches:

- Do not use stiff brushes, steel wool, or cleaners containing abrasives.
- Avoid riding over or scraping against curbs.

continued

Panels

Follow these guidelines to prevent scratches and blemishes:

- Wash gently using a soft sponge and plenty of water.
- To remove stubborn stains, use diluted detergent and rinse thoroughly with plenty of water.
- Avoid getting petrol, brake fluid, or detergents on the instruments, panels, or headlights.

Exhaust Pipe and Muffler

When the exhaust pipe and muffler are painted, do not use a commercially available abrasive kitchen cleaning compound. Use a neutral detergent to clean the painted surface on the exhaust pipe and muffler. If you are not sure if your exhaust pipe and muffler are painted, contact your dealer.

Storing Your Scooter

If you store your scooter outdoors, you should consider using a full-body scooter cover.
If you won't be riding for an extended period, follow these guidelines:

- Wash your scooter and wax all painted surfaces (except mat painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Place your scooter on its centre stand and position a block so that both tyres are off the ground.
- After rain, remove the body cover and allow the scooter to dry.
- Remove the battery (P. 77) to prevent discharge.
  Fully charge the battery and then place it in a shaded, well-ventilated area.
  ▶ If you leave the battery in place, disconnect the negative ⊖ terminal to prevent discharge.

After removing your scooter from storage, inspect all maintenance items required by the Maintenance Schedule.

Transporting Your Scooter

If your scooter needs to be transported, it should be carried on a motorcycle trailer or a flatbed truck or trailer that has a loading ramp or lifting platform, and motorcycle tie-down straps. Never try to tow your scooter with a wheel or wheels on the ground.

NOTICE

Towing your scooter can cause serious damage to the transmission.

You & the Environment

Owning and riding a scooter can be enjoyable, but you must do your part to protect the environment.

Choose Sensible Cleaners

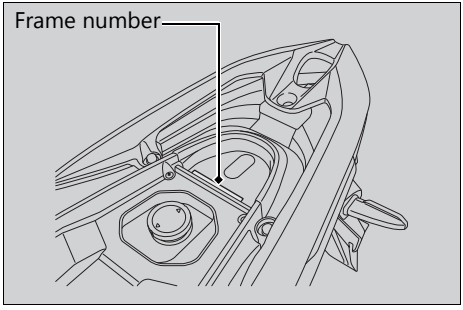
Use a biodegradable detergent when you wash your scooter. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer.

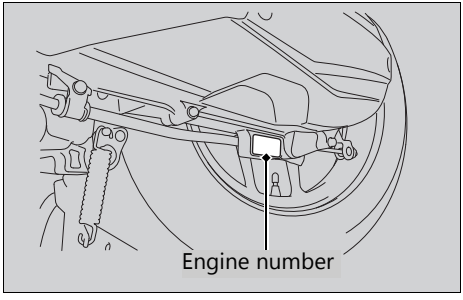
Recycle Wastes

Put oil and other toxic wastes in approved containers and take them to a recycling centre. Call your local or state office of public works or environmental services to find a recycling centre in your area, and to get instructions on how to dispose of non-recyclable wastes. Do not place used engine oil in the trash, or pour it down a drain or on the ground. Used oil, petrol, coolant, and cleaning solvents contain poisons that can hurt refuse workers and contaminate drinking water, lakes, rivers, and oceans.

Serial Numbers

The frame and engine serial numbers uniquely identify your scooter and are required in order to register your scooter. They may also be required when ordering replacement parts.
You should record these numbers and keep them in a safe place.





Fuels Containing Alcohol

Some conventional fuels blended with alcohol are available in some locales to help reduce emissions to meet clean air standards. If you plan to use blended fuel, check that it is unleaded and meets the minimum octane rating requirement.

The following fuel blends can be used in your scooter:

- Ethanol (ethyl alcohol) up to 10% by volume.
  ▶ Petrol containing ethanol may be marketed under the name Gasohol.

The use of petrol containing more than 10% ethanol may:

- Damage the painting of the fuel tank.
- Damage the rubber tubes of the fuel line.
- Cause corrosion of the fuel tank.
- Cause poor drivability.

NOTICE

Use of blended fuels containing higher than approved percentages can damage metal, rubber, plastic parts of your fuel system.

If you notice any undesirable operating symptoms or performance problems, try a different brand of petrol.

Catalytic Converter

This scooter is equipped with a three-way catalytic converter. The catalytic converter contains precious metals that serve as catalysts in high temperature chemical reactions that convert hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) in the exhaust gasses into safe compounds.

A defective catalytic converter contributes to air pollution and can impair your engine's performance. A replacement unit must be an original Honda part or equivalent.

Follow these guidelines to protect your scooter's catalytic converter.

- Always use unleaded petrol. Leaded petrol will damage the catalytic converter.
- Keep the engine in good running condition.
- Have your scooter serviced if your engine is misfiring, backfiring, stalling, or otherwise not running properly, stop riding and turn off the engine.

■ Main Components

Overall length	1,919 mm (75.6 in)
Overall width	679 mm (26.7 in)
Overall height	1,062 mm (41.8 in)
Wheelbase	1,280 mm (50.4 in)
Minimum ground clearance	132 mm (5.2 in)
Caster angle	26º 30′
Trail	83 mm (3.3 in)
Curb weight	112 kg (247 lb)
Maximum weight capacity*1	122 kg (269 lb)
Maximum luggage weight*2	Centre compartment 10 kg (22 lb) Hook and inner rack 1.5 kg (3.3 lb)
Passenger capacity	Rider and 1 passenger
Minimum turning radius	1.90 m (6.23 ft)

*1 Including rider, passenger, all luggage, and accessories.
*2 Includes the weight of the luggage and added accessories.

Displacement	**IN type** 149.32 cm^3 (9.109 cu-in) **PH type** 149 cm^3 (9.1 cu-in)
Bore × stroke	57.300 × 57.907 mm (2.2559 × 2.2798 in)
Compression ratio	10.6:1
Fuel	Unleaded petrol Recommended: 88 RON or higher
Fuel containing alcohol	ETHANOL up to 10% by volume
Tank capacity	5.5 litres (1.45 US gal, 1.21 Imp gal)
Battery	**IN type** GTZ6V or YTZ6V **PH type** GTZ6V 12 V-5 Ah (10 HR)
Primary reduction	V-Matic (2.40:1-0.80:1)
Final reduction	9.965

Service Data

Tyre size	Front	90/80-14M/C 43P
	Rear	100/80-14M/C 48P
Tyre type		Bias-ply, tubeless
Recommended Tyres	Front	SRI FT293 or IRC NR87
	Rear	SRI FT293 or IRC NR95
Tyre air pressure (Driver only)	Front	200 kPa (2.00 kgf/cm^2, 29 psi)
	Rear	225 kPa (2.25 kgf/cm^2, 33 psi)
Tyre air pressure (Driver and passenger)	Front	200 kPa (2.00 kgf/cm^2, 29 psi)
	Rear	225 kPa (2.25 kgf/cm^2, 33 psi)
Minimum tread depth	Front	1.5 mm (0.06 in)
	Rear	2.0 mm (0.08 in)
Spark plug	(standard)	CPR9EA-9 (NGK) U27EPR9 (DENSO)
Spark plug gap		0.8 to 0.9 mm (0.03 to 0.04 in)
Idle speed		1,700 ± 100 rpm
Recommended engine oil	Honda 4-stroke motorcycle oil API Service Classification SG or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard MB	
Engine oil capacity	After draining	0.8 litres (0.8 US qt, 0.7 Imp qt)
	After draining & engine oil filter change	0.8 litres (0.8 US qt, 0.7 Imp qt)
	After disassembly	0.9 litres (1.0 US qt, 0.8 Imp qt)
Transmission oil capacity	After draining	0.12 litres (0.13 US qt, 0.11 Imp qt)
	After disassembly	0.14 litres (0.15 US qt, 0.12 Imp qt)
Recommended brake fluid	Honda DOT 3 or DOT 4 Brake Fluid	
Cooling system capacity	0.48 litres (0.51 US qt, 0.42 Imp qt)	
Recommended coolant	Honda PRE-MIX COOLANT	

■ Bulbs

Headlight	LED
Brakelight/Taillight	LED
Front turn signal light	LED
Rear turn signal light	LED
License plate light	LED
Position light	LED

■ Fuses

Main fuse	25 A
Other fuse	10 A

■ Torque Specifications

Engine oil drain bolt	24 N·m (2.4 kgf·m, 18 lbf·ft)
Oil plug	20 N·m (2.0 kgf·m, 15 lbf·ft)

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