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Welcome

Congratulations on your purchase of a new Honda vehicle. 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 vehicle.

To protect your investment, we urge you to take responsibility for keeping your vehicle well serviced and maintained. Also, observe the break-in guidelines, and always perform the pre-ride inspection and other periodic checks in this manual.

When service is required, remember that your Honda dealer knows your vehicle best. If you have the required mechanical "know-how" and tools, you can purchase an official Honda Service Manual to help you perform many maintenance and repair tasks. ➡P. 123

Read the warranty information thoroughly so that you understand the warranty coverage and that you are aware of your rights and responsibilities. ➡P. 123

You may also want to visit our website at www.powersports.honda.com.
Happy riding!

A Few Words About Safety

Your safety, and the safety of others, is very important. Operating this vehicle 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 vehicle. You must use your own good judgment.

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

- Safety labels on the vehicle
- 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 vehicle, other property, or the environment.

Vehicle Safety

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

Safety Guidelines ..... P. 3
Safety Labels ..... P. 6
Safety Precautions ..... P. 8
Riding Precautions ..... P. 9
Accessories & Modifications ..... P. 14
Loading ..... P. 15

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 helmet and protective apparel. ➡P. 8

Before Riding

Make sure that you are physically fit, mentally focused and free of alcohol and drugs. Check that you are wearing an approved helmet and protective apparel.

Take Time to Learn & Practice

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

We recommend that all riders take a certified course approved by the Motorcycle Safety Foundation (MSF) or a state approved training course. New riders should start with the basic course, and even experienced riders will find the advanced course beneficial.
For information about the MSF training course nearest you, call the national toll-free number: (800) 446-9227.

Other riding tips can be found in the You and Your Motorcycle Riding Tips booklet that came with your vehicle.

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.

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 judgment and ride safely.

Don't Drink or Use Drugs and Ride

Alcohol or drugs 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. The same is true for drug use. Don't drink or use and ride, and don't let your friends do it either.

Keep Your Honda in Safe Condition

It's important to keep your vehicle properly maintained and in safe riding condition. Inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits (P. 15), and do not modify your vehicle or install accessories that would make your vehicle unsafe (P. 14).

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 OFF position, and evaluate the condition of your vehicle. 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 vehicle may have suffered damage that is not immediately apparent. Have your vehicle thoroughly checked at a qualified service facility as soon as possible.

Carbon Monoxide Hazard

Exhaust contains poisonous carbon monoxide, a colorless, 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 vehicle inside a garage or other enclosure.

⚠WARNING

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

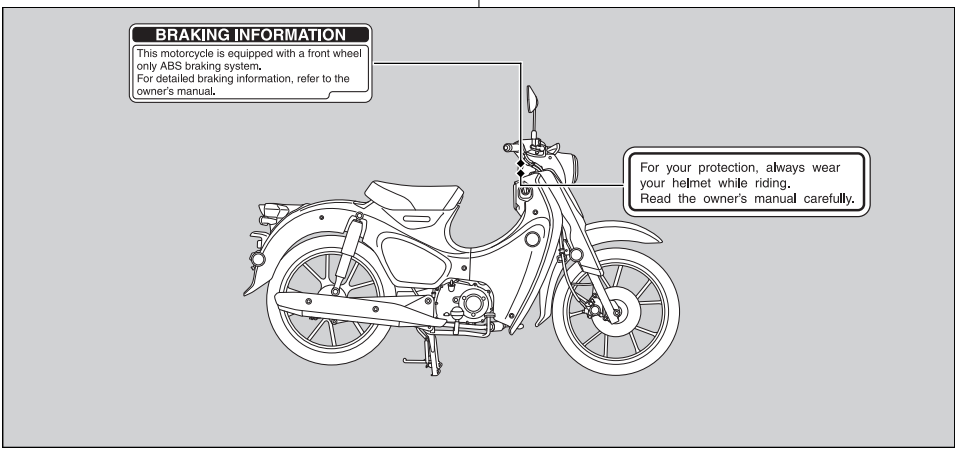
Breathing this colorless, odorless gas can quickly cause unconsciousness and lead to death.

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

Safety Labels

Safety and information labels on your vehicle provide important safety information and may warn you of potential hazards that could cause serious injury. Read these labels carefully and don't remove them.

If a label comes off or becomes hard to read, contact your dealer for a replacement.



TIRE INFORMATION

Cold tire pressures :
Front 200kPa 2.00kgf/cm² 29psi
Rear 225kPa 2.25kgf/cm² 33psi
Maximum weight capacity : 106 kg (234 lbs)
Tire size : Front 70/90-17M/C 38P
Rear 80/90-17M/C 50P

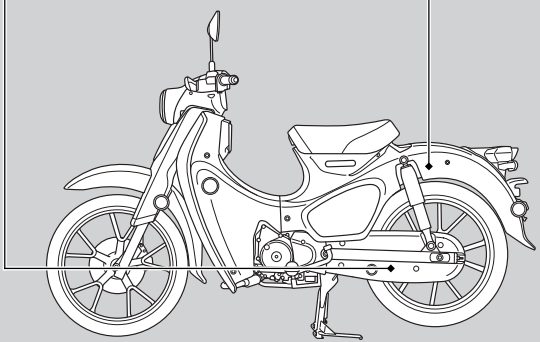
Tire brand	Front	Rear
IRC	NF63B YD	NR94

This motorcycle is equipped with tubeless tires.

Read owner's manual.

⚠ WARNING

Improper loading can cause a crash and you may be seriously hurt or killed.
See " Load Limits and Guidelines " in your Owner's Manual for complete instructions.



Safety Precautions

- Ride cautiously and keep your hands on the handlebar and feet on the footpegs.
- Always consider the safety of other drivers and riders.

Protective Apparel

Make sure that you are wearing an approved helmet, eye protection, and high-visibility protective clothing. Avoid wearing loose clothes that could get caught on any part of the vehicle. Ride defensively in response to weather and road conditions.

Helmet

Should be safety-standard certified, high-visibility, and 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

Look for a DOT (Department of Transportation) certification label on any helmet you buy.

⚠WARNING

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

Make sure that you 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 Pants

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

Riding Precautions

Break-in Period

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

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

Brakes

Observe the following guidelines:

- Avoid excessively hard braking and downshifting.
  - ▶ Sudden braking can reduce the vehicle's stability.
  - ▶ Where possible, reduce speed before turning; otherwise you risk sliding out.

Continued

- Exercise caution on low traction surfaces.
  ▶ The tires 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. Use engine braking with intermittent use of the brakes to reduce speed.
- For full braking effectiveness, operate both the front and rear brakes together.

Anti-lock Brake System (ABS) on Front Wheel

This model equipped with an Anti-lock Brake System (ABS) designed to help prevent the front brake from locking up during hard braking.

- There is no ABS function to the rear wheel.
- ABS does not reduce braking distance. In certain circumstances, ABS may result in a longer stopping distance.
- ABS does not function at speeds below 6 mph (10 km/h).
- The brake lever may recoil slightly when applying the brakes. This is normal.
- Always use the recommended front/rear tires and sprockets to ensure correct ABS operation.

Engine Braking

Engine braking helps slow your vehicle down when you release the throttle. For further slowing action, downshift to a lower gear. Use engine braking with intermittent use of the brakes to reduce speed when descending long, steep slopes.

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

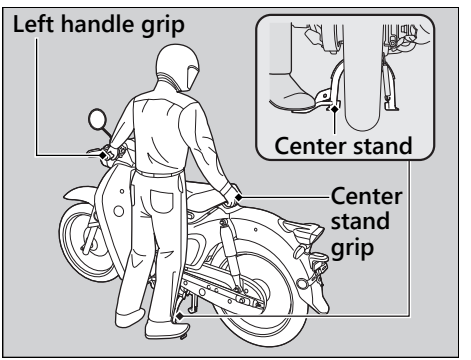
- Park on a firm, level surface.
- If you must park on a slight incline or loose surface, park so that the vehicle cannot move or fall over.
- Make sure that high-temperature parts cannot come into contact with flammable materials.
- Do not touch the engine, muffler, brakes and other high-temperature parts until they cool down.
- To reduce the likelihood of theft, always lock the handlebar, lock the ignition switch (P. 35) and leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary. P. 30

  Use of an anti-theft device is also recommended.

  Also set the anti-theft alarm system.

Parking with the Center Stand

1. Stop the engine.
2. To lower the center stand, stand on the left side of the vehicle.
   Hold the left handle grip and the center stand grip.
   Press down on the tip of the center stand with your right foot and, simultaneously, pull up and back.
3. Turn the handlebar fully to the left.



4. Turn the ignition switch to the (Lock) position (P. 28) and lock the ignition switch (P. 35).
5. Set the anti-theft alarm system. P. 37

Refueling and Fuel Guidelines

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

- Use only unleaded gasoline.
- Use recommended octane number. Using lower octane gasoline will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. ➡P. 122
- Do not use stale or contaminated gasoline or an oil/gasoline 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 or approved for your vehicle by Honda or make modifications to your vehicle from its original design. Doing so can make it unsafe. Modifying your vehicle may also void your warranty and make your vehicle illegal to operate on public roads. Before deciding to install accessories on your vehicle 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 vehicle. Your vehicle was not designed for these attachments, and their use can seriously impair your vehicle's handling.

Loading

- Carrying extra weight affects your vehicle'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 P. 129
- Tie all luggage securely, evenly balanced and close to the center of the vehicle.
- Do not place objects near the lights or the muffler.

⚠WARNING

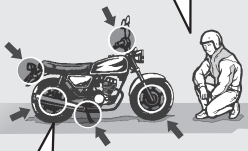
Overloading, improper loading or carrying a passenger can cause a crash and you can be seriously hurt or killed.

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

Basic Operation Flow

Pre-ride Inspection P.61

Carefully inspect your vehicle to make sure that it is safe to ride.



How to use basic features.

- Instruments P.20
- Indicators P.24
- Switches P.26
- Steering Lock P.28
- Honda SMART Key System P.29
- Anti-theft Alarm System P.37
- Answer Back System P.42

Starting the Engine P.47

Start and warm the engine.
Avoid revving the engine.



Starting the Vehicle

Before pulling away, indicate your direction with the turn signal switch, and check for oncoming traffic.

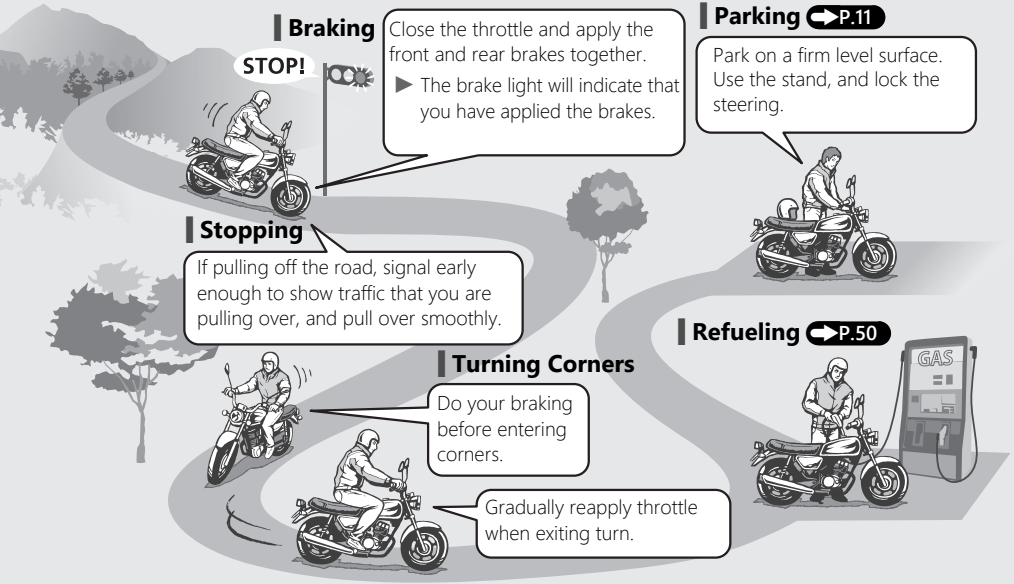
Acceleration

Apply throttle gradually.
Obey the speed limit.

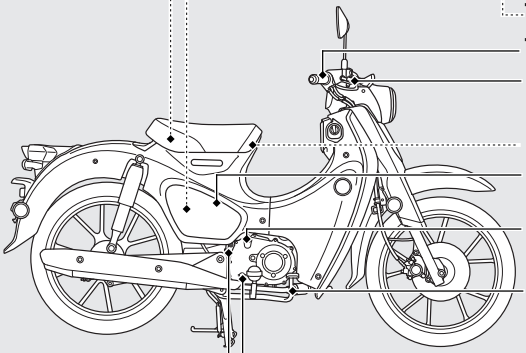


Shift Change P.49




Braking
Close the throttle and apply the front and rear brakes together.
▶ The brake light will indicate that you have applied the brakes.
STOP!
Parking P.11
Park on a firm level surface. Use the stand, and lock the steering.
Stopping
If pulling off the road, signal early enough to show traffic that you are pulling over, and pull over smoothly.
Refueling P.50
GAS
Turning Corners
Do your braking before entering corners.
Gradually reapply throttle when exiting turn.

Parts Location



Right side cover opener switch P.53

Document bag P.53

Tool kit P.53

Throttle grip P.88

Front brake lever

Helmet holder P.52

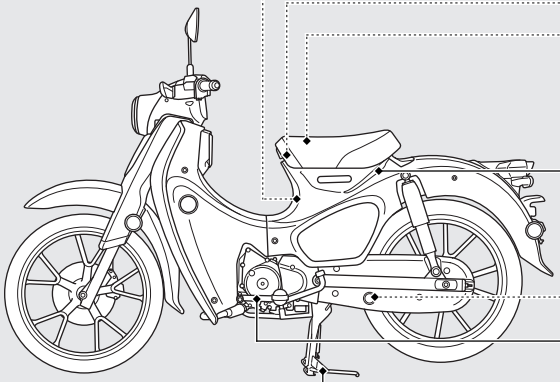
Right side cover P.53

Engine oil fill cap P.78

Rear brake pedal P.82

Engine oil level inspection window P.78

Brake light switch P.85



Battery P.75

Fuse box P.104

Helmet holder P.52

Fuel fill cap P.50

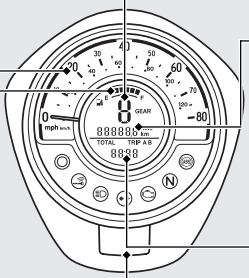
Seat open button P.52

Drive chain P.86

Shift lever P.49

Center stand P.12

Instruments



Speedometer

Gear position indicator
The gear position is shown in the gear position indicator.
► "–" appears when the transmission was not shifted properly.

Odometer [TOTAL]/Tripmeter [TRIP A/B]
Mode button switches between the odometer and the tripmeter.
- Odometer: Total distance ridden.
- Tripmeter: Distance ridden since tripmeter was reset.
  ► To reset tripmeter, press and hold mode button to reset to 0.0 km/mile.

Clock (12-hour display)
To set the clock: P.22

Mode button

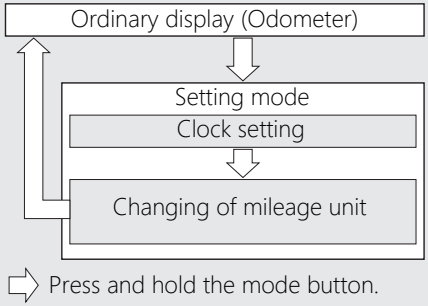
Fuel gauge
Remaining fuel when only 1st (E) segment starts flashing approximately:
0.26 US gal (1.0 L)
If the fuel gauge indicator flashes in a repeat pattern or turns off: P.96

Display Check
When the ignition switch is turned to the ON position, the speedometer needle swings to the maximum scale on the dial once, all the mode and digital segments will show. If any part of the display does not come on when it should, have your dealer check for problems.

Display Setting

You can adjust the two settings.

- Clock setting
- Changing of mileage unit



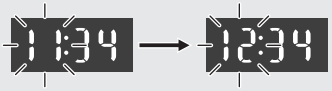
The established setting can also be set by turning the ignition switch to the OFF position.

The control is automatically switched from the setting mode to the ordinary display if the button is not pressed for about 30 seconds. Even in this case, the established setting is maintained.

Instruments *(Continued)*

1 Clock setting:

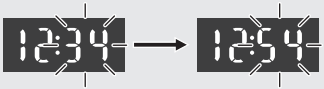
1. Turn the ignition switch to the ON position.
2. With odometer displayed, press and hold the mode button, the hour digits start flashing.
3. Press the mode button until the desired hour is displayed.



4. Press and hold the mode button, the minute digits start flashing.



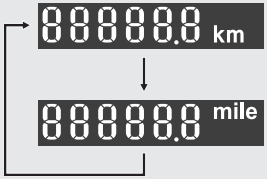
5. Press the mode button until the desired minute is displayed.



6. Press and hold the mode button. The clock is set, and then the display moves to the changing of mileage unit.

2 Changing of mileage unit:

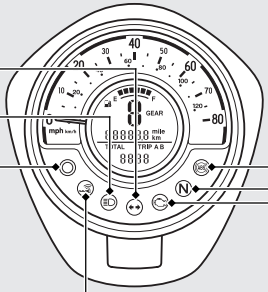
1. Press the mode button to select either “km” or “mile”.



2. Press and hold the mode button.
   The mileage unit is set, and then the display returns to the ordinary display.

Indicators

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



Turn signal indicator

High beam indicator

Alarm indicator
Anti-theft Alarm System: P.37

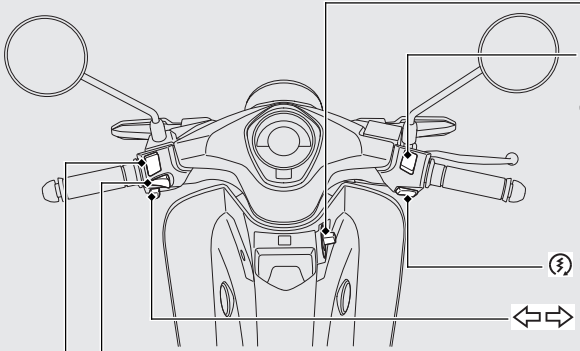
Honda SMART Key indicator
Comes on when vehicle and Honda SMART Key verification is complete, and the ignition switch can be operated. Goes off when the ignition switch is turned to the ON position.
When the Honda SMART Key Indicator Flashes: P.95

ABS (Anti-lock Brake System) indicator
Comes on when the ignition switch is turned to the ON position.
Goes off when your speed reaches approximately 6 mph (10 km/h).
If it comes on while riding: P.94

N Neutral indicator
Comes on when the transmission is in Neutral.

PGM-FI (Programmed Fuel Injection) malfunction indicator lamp (MIL)
Comes on briefly when the ignition switch is turned to the ON position with the engine stop switch in the ⟳ (Run) position.
If it comes on while engine is running: P.93

Switches



Engine stop switch
Should normally remain in the (Run) position.
▶ In an emergency, switch to the (Stop) position (the starter motor will not operate) to stop the engine.

Start button

Turn signal switch
▶ Pressing the switch turns the turn signal off.

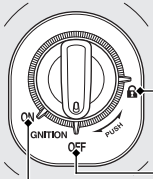
Horn button

Headlight dimmer switch
- : High beam
- : Low beam

Ignition switch

Switches the electrical system on/off and locks the steering.

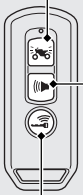
To unlock the ignition switch: P.34



(Lock)
Locks steering.

OFF
Turns engine off.

ON
Turns electrical system on for starting/riding.



Answer back button
This button is used to operate the answer back system.
Answer Back System: P.42

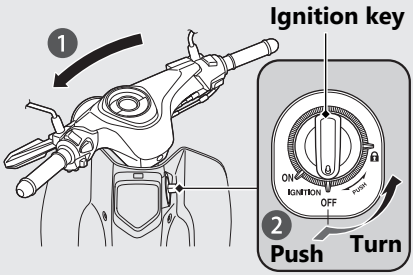
Alarm button
This button is used to operate the anti-theft alarm system.
Anti-theft Alarm System: P.37

ON/OFF button
This button is used to activate or deactivate the Honda SMART Key system, and also to confirm the activation status. P.30

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.
2. Push the ignition switch down, and turn it to the (Lock) position.
   - ► To unlock the ignition switch. P.34
   - ► Jiggle the handlebar if the lock is difficult to engage.
3. Lock the ignition switch. P.35

Unlocking

Push the ignition switch in, and turn it to the OFF position.

► To unlock the ignition switch. P.34

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 vehicle 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 pacemaker.

Honda SMART Key System *(Continued)*

Switching the Honda SMART Key System

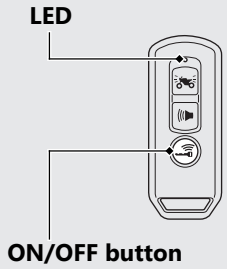
To switch the Honda SMART Key system to activation or deactivation

Press the ON/OFF button until the Honda SMART Key LED changes color.

To check the Honda SMART Key system status

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

Green: (active)	Honda SMART Key system authentication can be performed.
Red: (inactive)	Honda SMART Key system authentication cannot be performed.



Operating Range

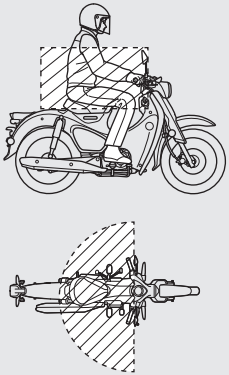
The operating range varies when the ignition switch is locked or unlocked.

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

- 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:

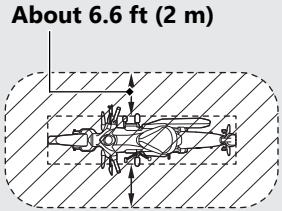
The system can be operated within the shaded area shown in the illustration.



Honda SMART Key System *(Continued)*

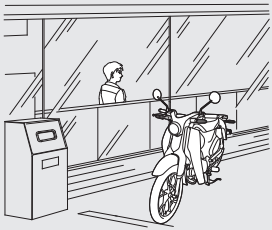
When the ignition switch is locked:

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 vehicle, even if you are on the other side of a wall or window. If you are away from your vehicle but your Honda SMART Key is still within operating range, deactivate the Honda SMART Key system.

To switching the Honda SMART Key system P.30



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
- Unlocking 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 vehicle or while riding.

Do not place the Honda SMART Key in any compartment.

If the ignition switch is in the ON position, the vehicle can be operated even by a person who does not have a verified Honda SMART Key.

Whenever you leave your vehicle, lock the steering and lock the ignition switch.

P.35

Make sure the ignition switch ring goes off and all turn signals flash once at this time.

Honda SMART Key System *(Continued)*

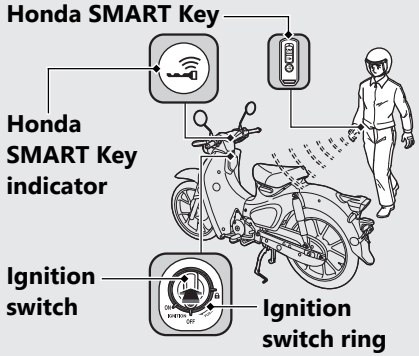
Switching the ignition switch

To Unlock the Ignition Switch

1. Make sure that the Honda SMART Key is activated. P.30
2. To authenticate the Honda SMART Key system, push the ignition switch.
   - ▶ When properly authenticated and the ignition switch is unlocked, the buzzer rings 2 times, the Honda SMART Key indicator and ignition switch ring come on.
   - ▶ The buzzer sound can be cancelled. P.36
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 in the ignition switch in, the Honda SMART Key indicator and ignition switch ring will go off, the turn signals flash 1 time, and then the ignition switch will be locked.

When the Honda SMART Key system does not work properly P.97

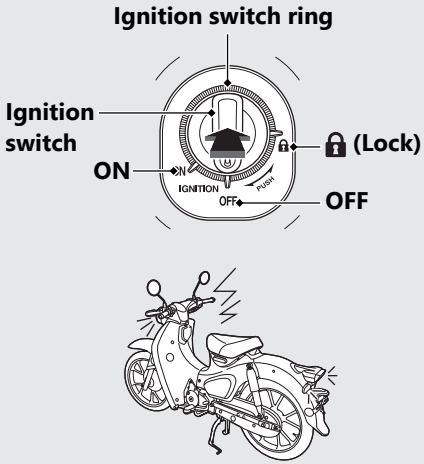
If someone without the Honda SMART Key tries to turn the ignition switch, the ignition switch rotates freely. If you notice the ignition switch is in a different position, turn the ignition switch to the original (OFF or 🔒 (Lock)) position.



To Lock the Ignition Switch

1. Turn the ignition switch to the 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.31
   - Push the ignition switch.
   - Wait for approximately 20 seconds after turning the ignition switch from ON to OFF or 🔒 (Lock) position.
   - Switch the Honda SMART Key system to inactive. P.30
3. Make sure that the Honda SMART Key indicator and ignition switch ring go 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.36

When the Honda SMART Key system does not work properly P.97



Honda SMART Key System *(Continued)*

Always make sure the ignition switch position is in the OFF or (Lock) position when you leave your vehicle.

When the ignition switch is locked in the 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.30
2. Lightly press the ON/OFF button. The red Honda SMART Key LED comes on.
3. While the red LED is on, press the answer back button.
   - ▶ The red LED starts blinking when the buzzer sound is properly enabled.

Disable

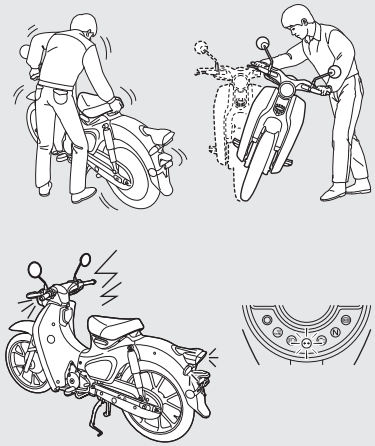
1. Deactivate the Honda SMART Key system. P.30
2. Lightly press the ON/OFF button. The red Honda SMART Key LED blinks.
3. While the red LED is blinking, press the answer back button.
   - ▶ The red LED stops blinking but stays on when the buzzer sound is properly disabled.

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 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 vehicle 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 OFF or (Lock) position for more than 10 days, the anti-theft alarm system will no longer operate.

When the system is active and the vehicle receives a signal from pressing the answer back or alarm button, 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.

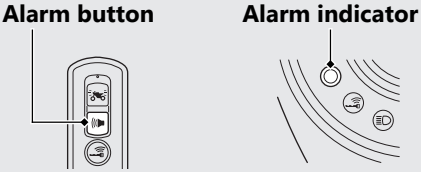
▶ To unlock the ignition switch. P.34

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

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

Setting the Anti-theft Alarm System

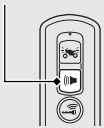
1. Turn the ignition switch to OFF or (Lock) position.
2. Press the alarm button. Within a second, the turn signal light blinks and the buzzer rings 1 time. After 2 seconds, the buzzer rings 1 time. The anti-theft alarm system is activated. The alarm indicator flashes while the anti-theft alarm system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



Cancelling the Anti-theft Alarm System

1. To cancel the anti-theft alarm system, do one of the following:
   - Press the alarm button on the Honda SMART Key.
   - Unlock the ignition switch. P.34
   - Press the seat open button while the Honda SMART Key is in the operating range. P.31
2. Make sure that the turn signal light and alarm indicator blink 2 times, and the buzzer rings 2 times. This indicates that the anti-theft alarm system is cancelled.

Alarm button



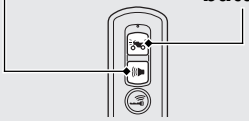
Stopping the Anti-theft Alarm Activation

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

- Press the alarm button on the Honda SMART Key.
- Press the answer back button on the Honda SMART Key.
- Unlock the ignition switch. P.34
- Press the seat open button. P.52

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

Alarm button **Answer back button**

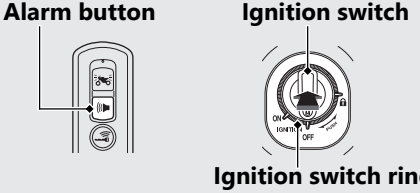


Anti-theft Alarm System *(Continued)*

Adjusting the Sensitivity of Anti-theft Alarm System

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

1. Remove the center cover. P.77
2. Make sure that the Honda SMART Key system is active. P.30
3. Push the ignition switch to authenticate the Honda SMART Key system. P.34
4. Connect the EM mode coupler provided on the battery cover to the EM mode connector. P.99
   - ▶ The Honda SMART Key indicator and ignition switch ring go off.



5. Push the ignition switch 1 time.
6. Repeat the following 3 times:
   Press the alarm button on the Honda SMART Key 2 times and the ignition switch 1 time.
   - ▶ When the alarm button is pressed, the Honda SMART Key LED comes on. Make sure the LED goes off before pressing the button again.
   - ▶ If the alarm button or ignition switch is not pressed for 1 minute, the Honda SMART Key indicator starts blinking and this mode will be cancelled. If so, remove the EM mode coupler, return to 3 and follow the procedure again.

❼ Press the alarm button to select from 3 sensitivity levels.
3 alarm rings: high sensitivity
2 alarm rings: medium sensitivity
1 alarm ring: low sensitivity
The Honda SMART Key indicator and ignition switch ring come on while setting.

❽ Wait for about 10 seconds until the ignition switch ring starts blinking. The sensitivity level is set.

❾ Remove the EM mode coupler from the EM mode connector to finish setting.
▶ The sensitivity level is also set if you remove the EM mode coupler before the ignition switch ring starts blinking.

❿ Store the EM mode coupler on the battery cover. Reinstall the parts in reverse order.

If the Anti-Theft Alarm System Does Not Operate Properly

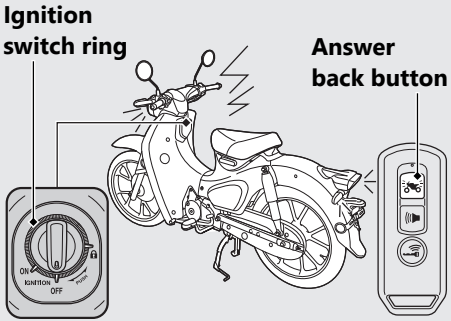
If any of the following situations arise, the battery (➔P. 75) in the vehicle may be discharged or there is a system problem. Remove the battery and see your dealer.

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 location of your vehicle. When the immobilizer is active and you press the answer back button on the Honda SMART Key with the ignition switch in the OFF or (Lock) position, the turn signals light, the ignition switch ring lights, and the buzzer rings, informing you of your vehicle's location. The ignition switch ring will light for about 1 minute.

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



Operation

Press the answer back button on the Honda SMART Key.

► The answer back system will not function when the ignition switch is in the ON position.

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

If the ignition switch is left in the OFF or (Lock) position for more than 10 days, the answer back system will no longer operate. When the system is active and the vehicle receives a signal from pressing the answer back or alarm button, 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.

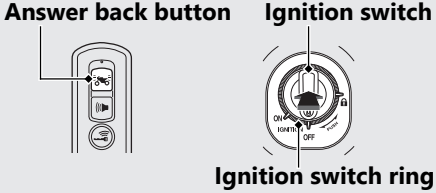
► To unlock the ignition switch. P.34

Adjusting the Answer Back Buzzer Sound Volume Level

You can select the buzzer sound volume from 3 levels.

1. Remove the center cover. P.77
2. Make sure that the Honda SMART Key system is activated. P.30
3. Push the ignition switch to authenticate the Honda SMART Key system. P.34
4. Connect the EM mode coupler provided on the battery cover to the EM mode connector. P.99

► The Honda SMART Key indicator and ignition switch ring go off.



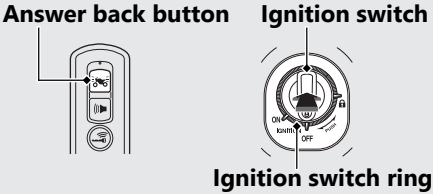
Answer Back System *(Continued)*

5. Push the ignition switch 1 time.
6. Repeat the following 3 times:
   Press the answer back button on the Honda SMART Key 2 times and the ignition switch 1 time.
   - ▶ When the answer back button is pressed, the Honda SMART Key LED comes on. Make sure the LED goes off before pressing the button again.
   - ▶ If the answer back button or ignition switch is not pressed for 1 minute, the Honda SMART Key indicator starts blinking and this mode will be cancelled. If so, remove the EM mode coupler, return to 3 and follow the procedure again.
7. Press the answer back button to select from 3 levels for the sound volume.
   The Honda SMART Key indicator and ignition switch ring come on while setting.
8. Wait for about 10 seconds until the ignition switch ring starts blinking. The sound volume level is set.
9. Remove the EM mode coupler from the EM mode connector to finish setting.
   - ▶ The sound volume level is also set if you remove the EM mode coupler before the ignition switch ring starts blinking.
10. Store the EM mode coupler on the battery cover. Reinstall the parts in reverse order.

Changing the Answer Back Buzzer Sound Pattern

You can select buzzer sound from 3 patterns.

1. Remove the center cover. P.77
2. Make sure that the Honda SMART Key is active. P.30
3. Push the ignition switch to authenticate the Honda SMART Key system. P.34
4. Connect the EM mode coupler provided on the battery cover to the EM mode connector. P.99
   - ▶ The Honda SMART Key indicator and ignition switch ring go off.



5. Push the ignition switch 1 time.
6. Repeat the following 3 times:
   Press the answer back button on the Honda SMART Key 3 times and the ignition switch 1 time.
   - ▶ When the answer back button is pressed, the Honda SMART Key LED comes on. Make sure the LED goes off before pressing the button again.
   - ▶ If the answer back button or ignition switch is not pressed for 1 minute, the Honda SMART Key indicator starts blinking and this mode will be cancelled. If so, remove the EM mode coupler, return to 3 and follow the procedure again.

Answer Back System *(Continued)*

7. Press the answer back button to select from 3 buzzer sound patterns.
   The Honda SMART Key indicator and ignition switch ring come on while setting.
8. Wait for about 10 seconds until the ignition switch ring starts blinking. The sound pattern is set.
9. Remove the EM mode coupler from the EM mode connector to finish setting.
   ▶ The sound pattern is also set if you remove the EM mode coupler before the ignition switch ring starts blinking.
10. Store the EM mode coupler on the battery cover. Reinstall the parts in reverse order.

Temporary Silence Mode

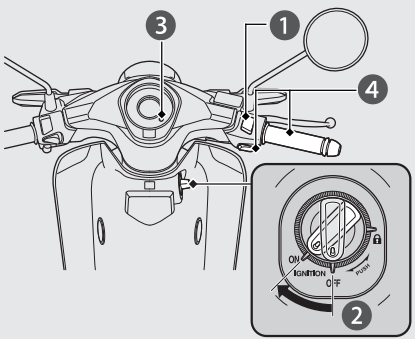
Temporary silence mode is the immediate way to turn off the answer back system buzzer sound.

Enable:
Press and hold the answer back button for about 2 seconds, the Honda SMART Key LED changes to red.

Disable:
Re-press and hold the answer back button for about 2 seconds, the Honda SMART Key LED changes to green.

Starting the Engine

Start your engine using the following procedure, regardless of whether the engine is cold or warm.
This vehicle is equipped with a Honda SMART Key system. Always keep Honda SMART Key on you when you ride the vehicle. P.31



NOTICE

- If the engine does not start within 5 seconds, turn the ignition switch to the 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.
- Snapping the throttle or fast idling for more than about 5 minutes may cause exhaust pipe discoloration.

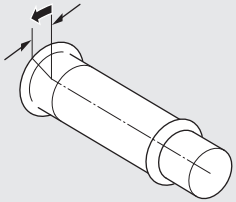
1. Make sure the engine stop switch is in the ◯ (Run) position.
2. Turn the ignition switch to the ON position.
3. Shift the transmission to Neutral (N indicator to come on).
4. Press the start button with the throttle completely closed.

Starting the Engine *(Continued)*

If you cannot start the engine:

Open the throttle slightly (about 0.1 in (3 mm), without freeplay).

About 0.1 in (3 mm), without freeplay



If the engine does not start:

① Open the throttle fully and press the start button for 5 seconds.
② Repeat the normal starting procedure.
③ If the engine starts, open the throttle slightly if idling is unstable.
④ If the engine does not start, wait 10 seconds before trying step ① & ② again.

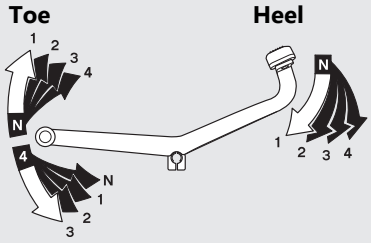
If Engine Will Not Start P.92

Shifting Gears

Your vehicle transmission has 4 forward gears, four-up shift pattern when you shift with your toe.

With a heel and toe shifter, you can also shift to a higher gear by pressing the shift lever down with your heel.

You can shift to a lower gear by depressing the shift lever down with your toe.



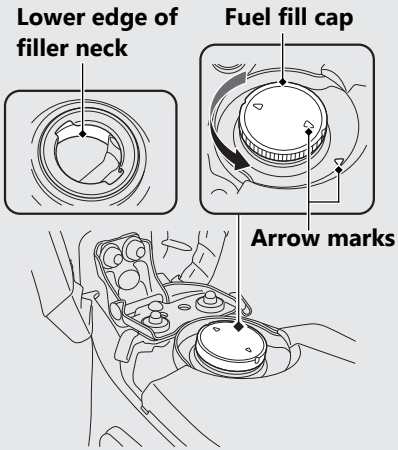
Recommended Shift Points

Shifting Up	
From 1st to 2nd	12 mph (20 km/h)
From 2nd to 3rd	19 mph (30 km/h)
From 3rd to 4th	25 mph (40 km/h)
Shifting Down	
From 4th to 3rd	16 mph (25 km/h)
From 3rd to 2nd	12 mph (19 km/h)

NOTICE

Improper shifting can damage the engine, transmission, and drive train. Also, coasting or towing the vehicle for long distances with the engine off can damage the transmission.

Refueling



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

Fuel type: Unleaded gasoline only

Recommended fuel octane number: Pump Octane Number (PON) 86 or higher.

Tank capacity: 0.98 US gal (3.7 L)

Refueling and Fuel Guidelines P.13

Opening the Fuel Fill Cap

1. Open the seat. P.52
2. Turn the fuel fill cap counterclockwise until it stops and remove the cap.

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

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

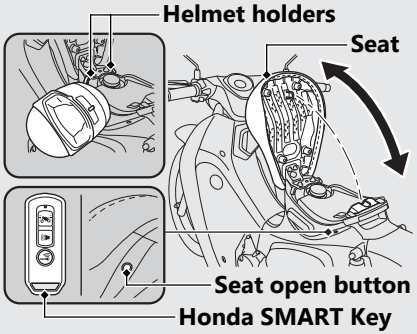
- Stop the engine, and keep heat, sparks, and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

Storage Equipment

Helmet holder

The helmet holders are located under the seat.

► Use the helmet holders only when parked.



Seat Open

The seat open button can be operated when the Honda SMART Key is in the operating range (P. 31) and the ignition switch is in the OFF or (Lock) position.

Press the seat open button and open the seat.

► If the battery does not have enough voltage to start the engine, the seat may not open.

Seat Close

Close the seat and push down on the rear of the seat until it locks. Make sure that the seat is locked securely to pull it up lightly.

⚠WARNING

Riding with a helmet attached to the holder can interfere with your ability to safely operate the vehicle 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.

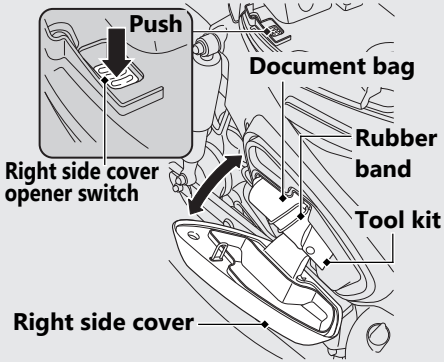
Right Side Cover

Open

1. Open the seat. P.52
2. Push the right side cover opener switch.

Close

Close the right side cover until it locks.



Document Bag/Tool Kit

The document bag and tool kit are held by the rubber band in the document compartment behind the right side cover.

Opening the seat. P.52

Maintenance

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

Importance of Maintenance ..... P. 55
Maintenance Schedule ..... P. 57
Maintenance Record ..... P. 60
Maintenance Fundamentals ..... P. 61
Tool ..... P. 74
Removing & Installing Body Components .. P. 75
Battery ..... P. 75
Center Cover ..... P. 77
Engine Oil ..... P. 78
Brakes ..... P. 80
Drive Chain ..... P. 86
Throttle ..... P. 88
Other Replacement ..... P. 89
Replacing the Honda SMART Key Battery ..... P. 89

Importance of Maintenance

Keeping your vehicle 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 vehicle before each ride, and perform the periodic checks specified in the Maintenance Schedule. ➡P. 57

⚠WARNING

Improperly maintaining your vehicle 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.

For information about the exhaust emission and noise emission requirements of the U.S. Environmental Protection Agency (EPA), and the California Air Resources Board (CARB). ➡P. 117

Maintenance, replacement or repair of the emission control devices and systems may be performed by any vehicle repair establishment or individual using parts that are "certified" to EPA standards.

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 OFF position.
- Place your vehicle on a firm, level surface using the center 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. All scheduled maintenance is considered a normal owner operating cost and will be charged to you by your dealer. Keeping an accurate maintenance record will help ensure your vehicle is properly maintained.
➔P. 60

Make sure whoever performs the scheduled maintenance completes the maintenance record. Retain all service documents. If you sell your vehicle, these service documents should be transferred with the vehicle to the new owner.

	Items		Frequency *1								Regular Replace	Refer to page
			× 1,000 mi	0.6	4	8	12	16	20	24		
			× 1,000 km	1.0	6.4	12.8	19.2	25.6	32.0	38.4		
Emission-Related Items	Fuel Line	🔧			I	I	I	I	I	I		–
	Throttle Operation	🔧			I	I	I	I	I	I		88
	Air Cleaner *2						R			R		–
	Crankcase Breather *3				C	C	C	C	C	C		–
	Spark Plug				I	R	I	R	I	R		–
	Valve Clearance	🔧			I	I	I	I	I	I		–
	Engine Oil			R	R	R	R	R	R	R	1 Year	–
	Engine Oil Strainer Screen	🔧				C		C		C		–
	Engine Oil Centrifugal Filter	🔧				C		C		C		–
	Engine Idle Speed	🔧		I	I	I	I	I	I	I		–
	Evaporative Emission Control System *4	🔧					I			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 Service Manual (P. 123).

🔧 : Technical. In the interest of safety, have your vehicle serviced by your dealer.

Maintenance Legend

I : Inspect (clean, adjust, lubricate, or replace, if necessary)
L : Lubricate
R : Replace
C : Clean

	Items		Frequency *1									
			× 1,000 mi	0.6	4	8	12	16	20	24	Regular Replace	Refer to page
			× 1,000 km	1.0	6.4	12.8	19.2	25.6	32.0	38.4		
Non-Emission-Related Items	Drive Chain		Every 300 mi (500 km): I L									86
	Brake Fluid *5				I	I	I	I	I	I	2 Years	80
	Brake Shoes/Pads Wear				I	I	I	I	I	I		81, 84
	Brake System				I	I	I	I	I	I		80
	Brake Light Switch				I	I	I	I	I	I		85
	Headlight Aim				I	I	I	I	I	I		–
	Clutch System			I	I	I	I	I	I	I		–
	Suspension				I	I	I	I	I	I		–
	Nuts, Bolts, Fasteners					I		I		I		–
	Wheels/Tires				I	I	I	I	I	I		–
	Steering Head Bearings					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 : 50 STATE (meets California)

*5: Replacement requires mechanical skill.

Maintenance Record

Distance	Odometer	Date	Performed By:	Notes
600 miles (1,000 km)				
4,000 miles (6,400 km)				
8,000 miles (12,800 km)				
12,000 miles (19,200 km)				
16,000 miles (25,600 km)				
20,000 miles (32,000 km)				
24,000 miles (38,400 km)				
28,000 miles (44,800 km)				
32,000 miles (51,200 km)				
36,000 miles (57,600 km)				
40,000 miles (64,000 km)				
44,000 miles (70,400 km)				
48,000 miles (76,800 km)				
52,000 miles (83,200 km)				
56,000 miles (89,600 km)				
60,000 miles (96,000 km)				
64,000 miles (102,400 km)				
68,000 miles (108,800 km)				

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 tire, can be a major inconvenience.

Check the following items before you get on your vehicle:

- Tire tread wear and air pressures are within limits. ➔P. 70
- Lights, horn, and turn signals operate normally.
- Check the condition of the drive chain. Adjust slack and lubricate as needed. ➔P. 68

Check the following items if you are carrying a cargo:

- Combined weight is within load limits. ➔P. 129
- Cargo is secured properly.

Check the following items after you get on your vehicle:

- Throttle action moves smoothly without binding. ➔P. 88
- Brake lever and pedal operate normally.
- Check the fuel level and refuel when needed. ➔P. 13, ➔P. 50
- Engine stop switch functions properly. ➔P. 26

Check the following items at regular intervals:

- Oil level is between the upper and lower level marks. ➔P. 78
- Brake fluid level is above the LWR level mark. ➔P. 80

Periodic Checks

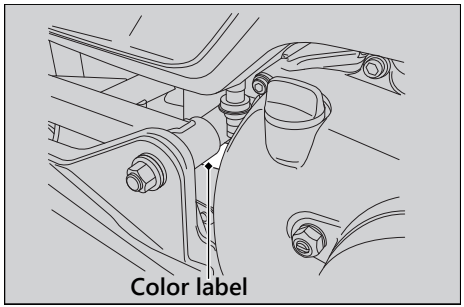
You should also perform other periodic maintenance checks at least once a month regardless of how often you ride, or more often if you ride frequently.

Also, check the odometer reading against the Maintenance Schedule and perform all maintenance that is due. ➡ P. 57

Tires and wheels	Check the air pressure (➡ P. 70), examine tread for wear and damage (➡ P. 70), and check the wheels for damage.
Fluid levels	Check the engine oil level (➡ P. 78), and brake fluid level (➡ P. 80).
Lights	Check that the headlight, position light, brake light, taillight, turn signals and license plate light are working properly.
Controls	Check the freeplay of the throttle grip (➡ P. 88).
Drive chain	Check the slack (➡ P. 86), adjust the slack, and lubricate (➡ P. 69) as needed.
Fuses	Check that you have a full supply of spare fuses.
Nuts & bolts	Check the major nuts and bolts, and tighten as needed.

Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety.
When ordering colored components, specify the model name, color, and code mentioned on the color label.
The color label is attached to the frame near the brake light switch.


Color label

⚠WARNING

Installing non-Honda parts may make your vehicle 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 vehicle.

Battery

Your vehicle 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
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.

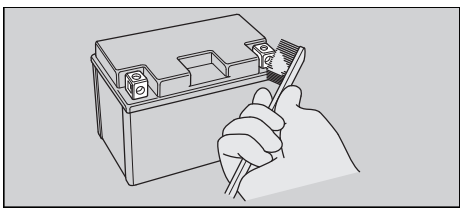
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

WARNING: Battery posts, terminals, and related accessories contain lead and lead compounds.
Wash your hands after handling.

Cleaning the Battery Terminals

1. Remove the battery. P. 75
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.

Charging

If you use electrical accessories that drain the battery or you do not ride frequently, we recommend that you charge the battery every 30 days using a charger designed specifically for your Honda, which can be purchased from your dealer. Read the information that came with your battery charger and follow the instructions on the battery. Avoid using an automobile-type battery charger, as these can overheat a motorcycle battery and cause permanent damage.

Make sure the ignition switch is in the OFF position before charging the battery.

NOTICE

Improper charging can damage the battery. If you can't charge the battery or it appears unable to hold a charge, contact your dealer.

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

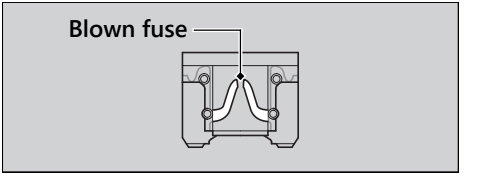
NOTICE
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

Fuses

Fuses protect the electrical circuits on your vehicle. If something electrical on your vehicle stops working, check for and replace any blown fuses. P. 104

Inspecting and Replacing Fuses

Turn the ignition switch to the 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. 131



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 vehicle 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.

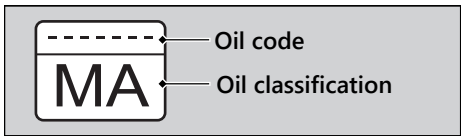
Selecting the Engine Oil

For recommended engine oil, see "Specifications." P. 130

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

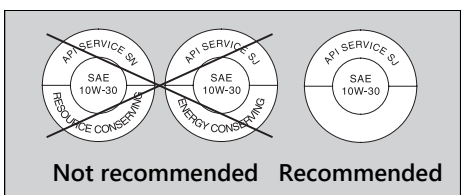
- JASO T 903 standard*1: MA
- SAE standard*2: 10W-30
- API classification*3: SG or higher

*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 MA 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.

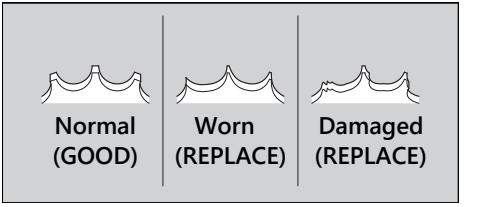
Recommended brake fluid:
Honda DOT 3 or DOT 4 Brake Fluid or equivalent

Drive Chain

The drive chain must be inspected and lubricated regularly. Inspect the chain more frequently if you often ride on bad roads, ride at high speed, or ride with repeated fast acceleration. P. 86

If the chain does not move smoothly, makes strange noises, has damaged rollers, has loose pins, or kinks, have the chain inspected by your dealer.

Also inspect the drive sprocket and driven sprocket. If either has worn or damaged teeth, have the sprocket replaced by your dealer.

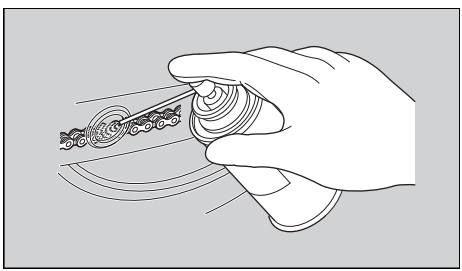


NOTICE
Use of a new chain with worn sprockets will cause rapid chain wear.

Cleaning and Lubricating

After inspecting the slack, clean the chain and sprockets while rotating the rear wheel. Use a dry cloth with high flash-point solvent. Use a soft brush if the chain is dirty.
After cleaning, wipe dry and lubricate with the recommended lubricant.

Recommended lubricant:
Pro Honda HP Chain Lube or equivalent



Never use gasoline or low flash point solvents for cleaning the drive chain.
A fire or explosion could result.

Avoid getting lubricant on the brakes or tires. Avoid applying excess chain lubricant to prevent spray onto your clothes and the vehicle.

Crankcase Breather

Service more frequently when riding in rain, at full throttle, or after the vehicle 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.

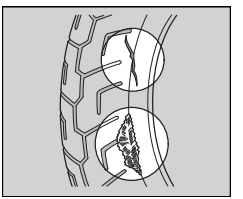
Tires (Inspecting/Replacing)

Checking the Air Pressure

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

Inspecting for Damage

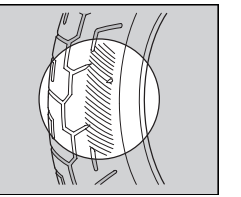
Inspect the tires for cuts, slits, or cracks that exposes fabric or cords, or nails or other foreign objects embedded in the side of the tire or the tread.



Also inspect for any unusual bumps or bulges in the side walls of the tires.

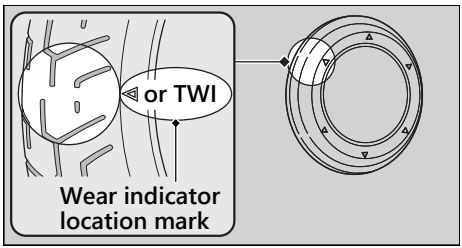
Inspecting for Abnormal Wear

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



Inspecting Tread Depth

Inspect the tread wear indicators. If they become visible, replace the tires immediately.



⚠WARNING

Riding on tires 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 tire inflation and maintenance.

Continued

Have your tires replaced by your dealer.
For recommended tires and air pressure, see "Specifications." P. 130
Follow these guidelines whenever you replace tires.

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

⚠WARNING

Installing improper tires on your vehicle 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 tires recommended in this owner's manual.

Tire Service Life

The service life of your tires is dependent on many factors, including, but not limited to, riding habits, road conditions, vehicle loading, tire air pressure, maintenance history, speed, and environmental conditions (even when the tires are not in use).

In addition to your regular inspections and maintenance, it is recommended that you have annual inspections performed once the tires reach 5 years old. It is also recommended that all tires be removed from service after 10 years from the date of manufacture, regardless of their condition or state of wear.

The last four digits of the TIN (tire identification number) indicate the date of manufacture.

Tire Identification Number (TIN)

The tire identification number (TIN) is a group of numbers and letters located on the sidewall of the tire.

① ② ③

DOT XXXX XXXX 22 09

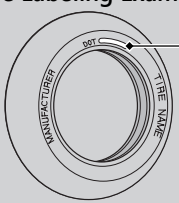
DOT: This indicates that the tire meets all requirements of the U.S. Department of Transportation.

① XXXX: Factory code

② XXXX: Tire type code

③ 22 09: Date of manufacture (week & year). Example: week 22 in year 09.

Tire Labeling Example



Tire identification number (TIN)

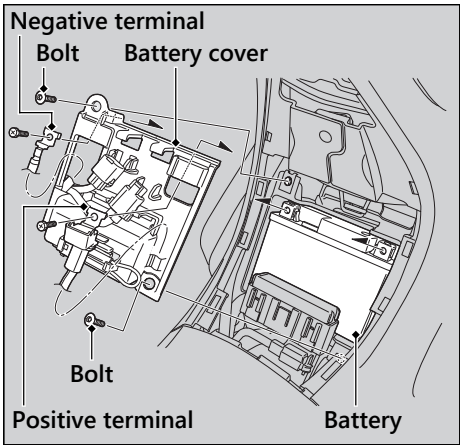
Tool

The tool kit is located behind the right side cover. ➔P. 53

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

- Fuse puller
- Standard/Phillips screwdriver
- Screwdriver handle
- 5 mm Hex wrench

Battery



Removal

Make sure the ignition switch is in the OFF position.

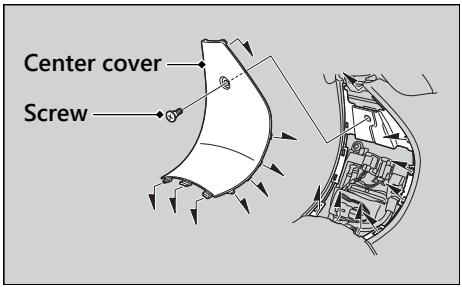
1. Remove the center cover. P. 77
2. Remove the couplers from the battery cover.
3. Move the battery cover upward by removing the bolts.
4. Disconnect the negative ⊖ terminal from the battery.
5. Disconnect the positive ⊕ terminal from the battery.
6. Remove the battery cover.
7. Remove the battery taking 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. 22

The anti-theft alarm system will be deactivated if the battery is disconnected. The system will remain off when the battery is reconnected.
To activate the system, turn the ignition switch to the ON position once.
To activate the system, see "Setting the Anti-theft Alarm System." ➡P. 38
For proper handling of the battery, see "Maintenance Fundamentals." ➡P. 64
"Battery Goes Dead." ➡P. 103

Center Cover



Removal

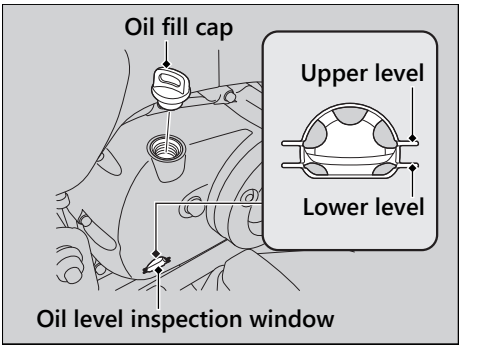
Remove the center cover by removing the screw.

Installation

1. Open the left and right body covers slightly, then install the center cover while aligning each tab and slit.
2. Install and tighten the screw.

Checking the Engine Oil

1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch to the OFF position and wait for 2 to 3 minutes.
3. Place your vehicle on its center stand on a firm, level surface.
4. Check that the oil level is between the upper level and lower level marks on the oil level inspection window.



Adding Engine Oil

If the engine oil is below or near the lower level mark, add the recommended engine oil.
➡P. 67, ➡P. 130

1. Remove the oil fill cap. Add the recommended oil until it reaches the upper level mark.
- ▶ Place your vehicle on its center 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.

NOTICE
Overfilling with oil or operating with insufficient oil can cause damage to your engine. Do not mix different brands and grades of oil. They may affect lubrication and clutch operation.

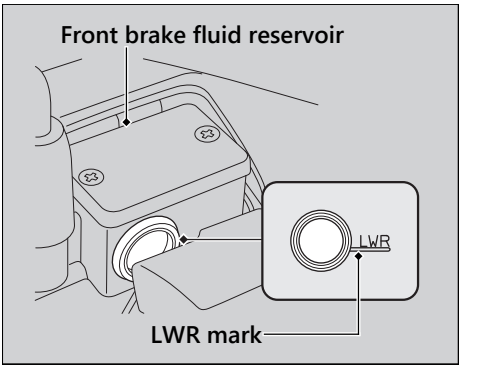
For the recommended oil and oil selection guidelines, see "Maintenance Fundamentals."
➡P. 67

Checking the Front Brake Fluid

1. Place your vehicle 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.

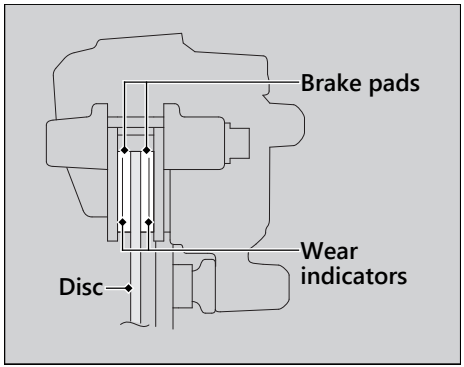
If the brake pads are not worn, you most likely have a leak. Have your vehicle inspected by your dealer.



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.

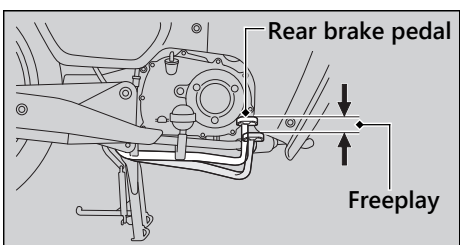
If necessary have the pads replaced by your dealer.
Always replace both left and right brake pads at the same time.



Inspecting the Rear Brake Pedal Freeplay

1. Place your vehicle on its center stand on a firm, level surface.
2. Measure the distance the rear brake pedal moves before the brake takes hold.

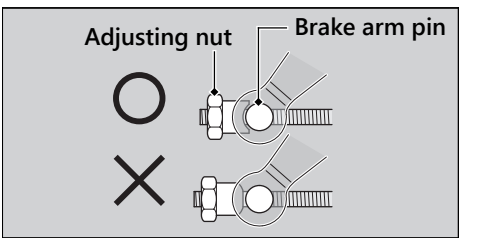
Freeplay at the tip of the brake pedal:
0.8 - 1.2 in (20 - 30 mm)



Make sure the brake rod, brake arm, spring and fastener are in good condition.

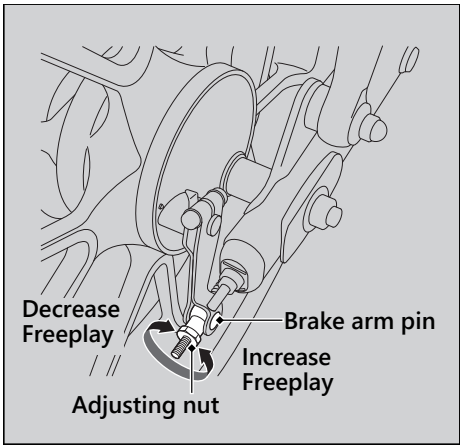
Adjusting the Rear Brake Pedal Freeplay

Make sure the cut-out on the adjusting nut is seated on the brake arm pin when adjusting the freeplay.



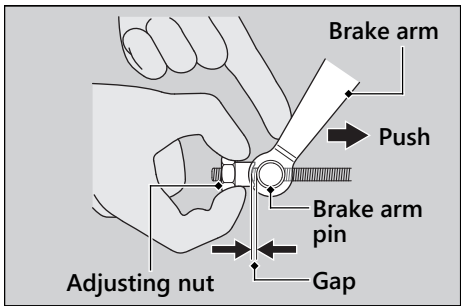
If proper adjustment cannot be obtained by this method, see your dealer.

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 pedal 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 pedal.

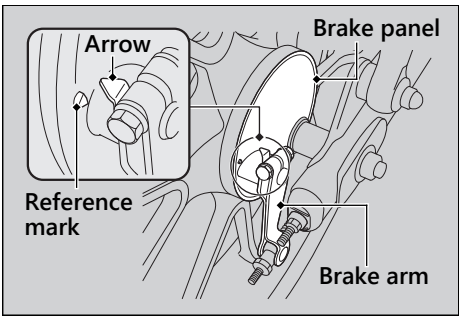
Make sure the brake rod, brake arm, spring and fastener are in good condition.

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.

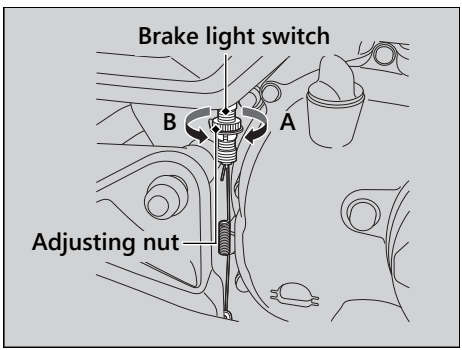


When the brake is applied, an arrow attached to the brake arm moves toward a reference mark on the brake panel. If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced. See your dealer for this service.

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

Adjusting the Brake Light Switch

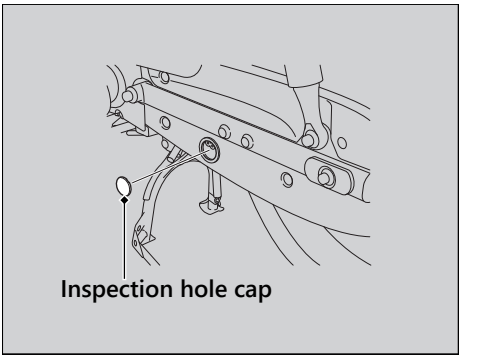
Check the operation of the brake light switch. Hold the brake light switch and turn the adjusting nut in the direction A if the switch operates too late, or turn the nut in the direction B if the switch operates too soon.



Inspecting the Drive Chain Slack

Check the drive chain slack at several points along the chain. If the slack is not constant at all points, some links may be kinked and binding.
Have the chain inspected by your dealer.

1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its center stand on a firm, level surface.

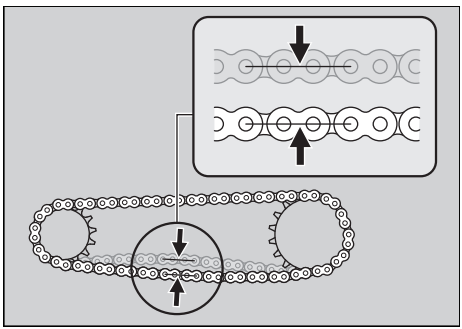


3. Remove the inspection hole cap.

4. Move the drive chain up and down with your finger.

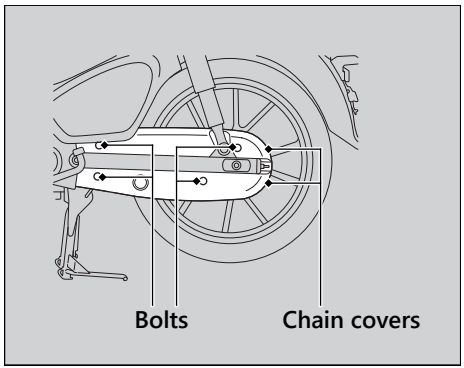
Drive chain slack:
1.0 - 1.4 in (25 - 35 mm)

▶ Do not ride your vehicle if the slack exceeds 1 15/16 in (50 mm).



5. Rotate the rear wheel and check that the chain moves smoothly.

6. Remove the chain covers by removing the bolts.



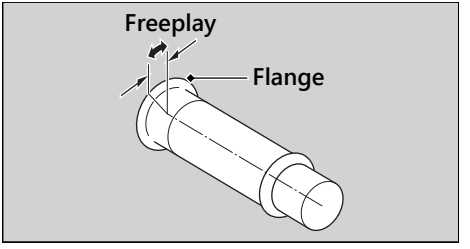
7. Inspect the sprockets. P. 68
8. Clean and lubricate the drive chain. P. 69
9. Install the parts in the reverse order of removal.
10. Tighten the bolts.

Torque: 5.2 lbf·ft (7 N·m, 0.7 kgf·m)

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 vehicle inspected by your dealer.

Freeplay at the throttle grip flange:
1/16 - 1/4 in (2 - 6 mm)



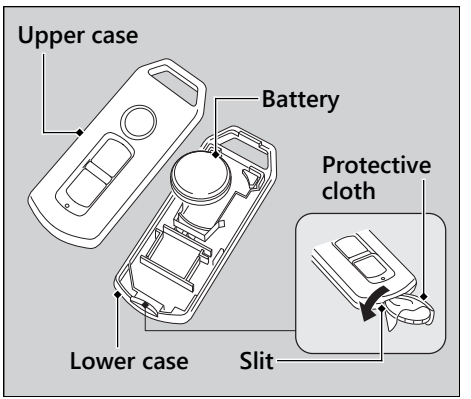
Replacing the Honda SMART Key Battery

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: CR2032H

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. 92
Warning Indicators On or Flashing ..... P. 93
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 93
ABS (Anti-lock Brake System) Indicator ..... P. 94
Honda SMART Key Indicator ..... P. 95
Other Warning Indications ..... P. 96
Fuel Gauge Failure Indication ..... P. 96
When the Honda SMART Key System Does Not Operate Properly ..... P. 97
Unlock the Ignition Switch in an Emergency ..... P. 99
Tire Puncture ..... P. 102
Electrical Trouble ..... P. 103
Battery Goes Dead ..... P. 103
Burned-out Light Bulb ..... P. 103
Blown Fuse ..... P. 104
Unstable Engine Operation Occurs Intermittently ..... P. 105

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. ➡P. 47
- Check that there is gasoline 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. 47
- Make sure engine stop switch is in the ↻ (Run) position. ➡P. 26
- Check for a blown fuse. ➡P. 104
- Check for a loose battery connection (➡P. 75) or battery terminal corrosion (➡P. 64).
- Check the condition of the battery. ➡P. 103

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

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 vehicle inspected by your dealer as soon as possible.

ABS (Anti-lock Brake System) Indicator

If the indicator operates in one of the following ways, you may have a serious problem with the ABS. Reduce your speed and have your vehicle inspected by your dealer as soon as possible.

- Indicator comes on or starts flashing while riding.
- Indicator does not come on when the ignition switch is in the ON position.
- Indicator does not go off at speeds above 6 mph (10 km/h).

If the ABS indicator stays on, your brakes will continue to work as a conventional system, but without the anti-locking function.

The ABS indicator may flash if you turn the rear wheel while the rear wheel is lifted off the ground. In this case, turn the ignition switch to the OFF position, and then to the ON position again. The ABS indicator will go off after your speed reaches 19 mph (30 km/h).

Honda SMART Key Indicator

When the Honda SMART Key indicator flashes 5 times

Replacing the Honda SMART Key Battery ➡P. 89

When the Honda SMART Key indicator is flashing while the ignition switch is in the ON position

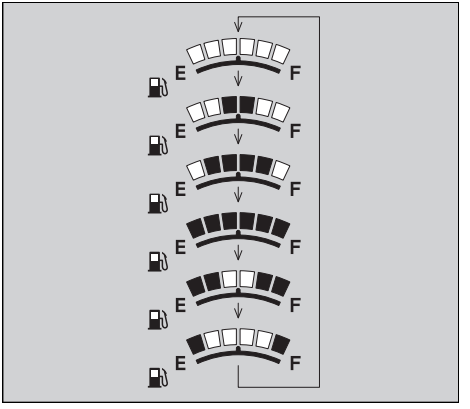
The Honda SMART Key indicator flashes when communication between your vehicle and Honda SMART Key stops after turning the ignition switch to the ON position.
It is probably caused by the following:

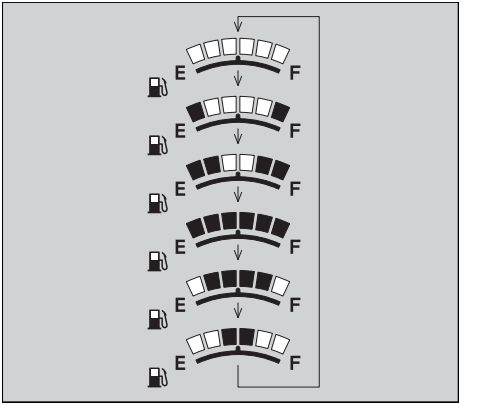
- Strong radio waves or noise are affecting the system
- You lose the Honda SMART Key while riding

However, this does not affect the operation of your vehicle until the ignition switch is locked.
If you turn the ignition switch to the OFF or (Lock) position while the Honda SMART Key indicator is flashing, the ignition switch ring, turn signals and the Honda SMART Key indicator will come on, the buzzer will ring for about 20 seconds then automatically go off, and the ignition switch will lock. To stop this flashing and ringing, press and hold the ignition switch 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. 99

Fuel Gauge Failure Indication

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





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 push the ON/OFF button on the Honda SMART Key.
  If the Honda SMART Key LED is red, activate the Honda SMART Key system.
  P. 30
  If the Honda SMART Key LED does not respond, replace the battery.
- 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 conditions:
  - 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.

Continued

- 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.

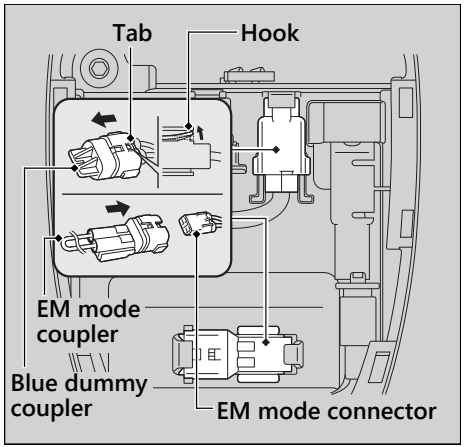
- Make sure that you do not use a broken Honda SMART Key.
  If you use a broken Honda SMART Key, the Honda SMART Key system cannot be activated. Bring the ID tag to your dealer.

- Check the battery condition and battery lead in your vehicle.
  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.

Set up to ID number input mode

1. Remove the center cover. P. 77
2. Pull out the EM mode connector.
3. Remove the blue dummy coupler by releasing the tab of the EM mode connector while lifting the hook of the blue dummy coupler.
4. Check the ID number on the ID tag.
5. Connect the EM mode coupler on the battery cover to the EM mode connector.



ID number input

You can input your ID number by pressing the ignition switch when the ignition switch is OFF or (Lock) position. Input the ID number on the ID tag in order from the left in turn by pressing the ignition switch.

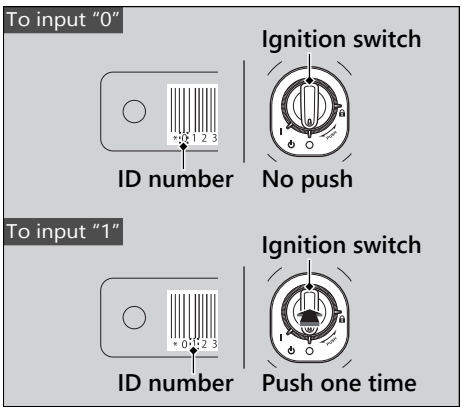
The ID number is authenticated according to the number of times the ignition switch is pushed.

Push the ignition switch the desired number of times within 5 seconds when the ignition switch ring comes on. After 5 seconds, the ignition switch ring goes off and comes on again. This means that the inputted number is fixed, and you can input the next number.

▶ If the ignition switch ring does not come on in blue, the battery may be low. Contact your dealer.

Example:

- To input "0", wait for 5 seconds without pushing the ignition switch when the ignition switch ring comes on.
- To input "1", push the ignition switch once within 5 seconds when the ignition switch ring comes on.



ID number input success

After the last ID number is inputted, the ignition switch ring and Honda SMART Key Indicator will flash every 2 seconds until the EM mode coupler is removed.

Be sure to remove the EM mode coupler and return the blue dummy coupler. The buzzer rings 2 times when the EM mode coupler is removed. The ignition switch is then unlocked.

Reinstall the parts in reverse order of removal and 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 OFF, or (Lock) position, and press and hold the ignition switch for 2 seconds. The buzzer rings 1 time. The ignition switch also locks automatically when the ignition switch has been in the OFF, or (Lock) position for about 6 minutes after the ID number is successfully inputted.

When the ignition switch is locked, the ignition switch ring 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 ignition switch ring and Honda SMART Key Indicator will flash every second until the EM mode coupler is removed, and the ignition switch cannot be unlocked.

Pull out the EM mode coupler and reconnect it to the EM mode connector. Follow the procedure again.
P. 99

ID number input cancel

Pull out the EM mode coupler from the EM mode connector.

Also, if you make a mistake while inputting the ID number, remove the EM mode coupler from the EM mode connector, connect it to the EM mode connector again, and then re-input the ID number from the beginning.

- Store the removed EM mode coupler on the battery cover at all times.

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 tire inspected/replaced by your dealer.

Emergency Repair Using a Tire Repair Kit

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

⚠WARNING

Riding your vehicle with a temporary tire 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 tire repair, ride slowly and carefully and do not exceed 30 mph (50 km/h) until the tire is replaced.

Battery Goes Dead

Charge the battery using a motorcycle battery charger.
Remove the battery from the vehicle before charging.

Do not use an automobile-type battery charger, as these can overheat a motorcycle 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 vehicle's electrical system and is not recommended.
Bump starting is also not recommended.

Burned-out Light Bulb

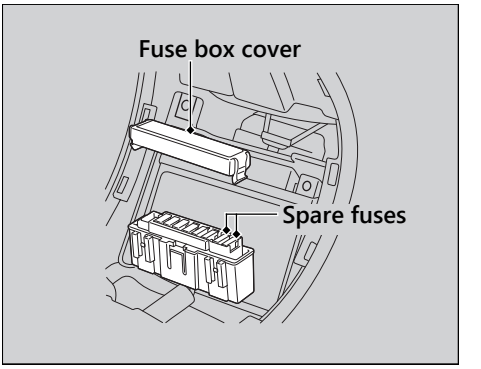
All light bulbs on the vehicle are LEDs. If there is an LED which is not turned on, see your dealer for servicing.

Blown Fuse

Before handling fuses, see "Inspecting and Replacing Fuses." P. 66

Fuse Box Fuses

1. Remove the center cover. P. 77
2. Remove the battery cover. P. 75
3. Remove the fuse box cover.
4. Pull the fuses out one by one with the fuse puller in the tool kit and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
   ▶ Spare fuses are provided near the battery.
5. Reinstall the fuse box cover.
6. Reinstall the battery cover.
7. Reinstall the center cover.



NOTICE
If a fuse fails repeatedly, you likely have an electrical problem. Have your vehicle 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 vehicle.

If unstable engine operation occurs even if sufficient fuel is available, have your vehicle inspected by your dealer as soon as possible.

Information

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Keys

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 the 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 vehicle.

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.

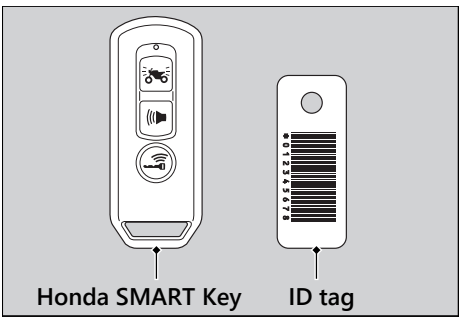
Continued

- 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 vehicle while washing the vehicle.
- Do not burn.
- Do not wash in an 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 ID tag for registration.

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

Do not keep mobile phones or other radio transmitting devices in any compartment. 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 vehicle 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.

Engine Stop Switch

Do not use the engine stop switch except in an emergency. Doing so when riding will cause the engine to suddenly turn off, making riding unsafe.
If you stop the engine using the engine stop switch, turn the ignition switch to the OFF position. Failing to do so will drain the battery.

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 9,999.9.

Document Bag

The owner's manual, registration, and insurance information can be stored in the plastic document bag behind the right side cover.

High Beam Indicator

The high beam indicator will come on briefly due to the LED light capacitor being discharged when the ignition switch is turned to the ON position immediately after the engine was stopped while the high beam was on.

Headlight

The headlight will come on briefly due to the LED light capacitor being discharged when the headlight dimmer switch is operated immediately after the engine was stopped while the high beam was on.

Caring for Your Vehicle

Frequent cleaning and polishing is important to ensure the life of your Honda. A clean vehicle 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 vehicle 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 vehicle 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 vehicle with plenty of clean water and dry with a soft, clean cloth.
4. After the vehicle dries, lubricate any moving parts.
   ▶ Make sure that no lubricant spills onto the brakes or tires. Brake discs, pads, drum or shoes contaminated with oil will suffer greatly reduced braking effectiveness and can lead to a crash.
5. Lubricate the drive chain immediately after washing and drying the vehicle.
6. 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 vehicle.
   Keep the wax clear of the tires and brakes.
   ▶ If your vehicle has any matte painted parts, do not apply a coat of wax to the matte 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 in the right side cover:
  - ▶ Water in the right side cover 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 matte painted surface:
  - ▶ Use a soft cloth or sponge, plenty of water, and a mild detergent to clean matte painted surfaces. Dry with a soft clean cloth.

Continued

Aluminum Components

Aluminum will corrode from contact with dirt, mud, or road salt. Clean aluminum 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.

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 gasoline, brake fluid, or detergents on the instruments, panels, or headlight.

Exhaust Pipe and Muffler

The exhaust pipe and muffler are stainless steel but may become stained by mud or dust.
To remove mud or dust, use a wet sponge and a liquid kitchen abrasive, then rinse well with clean water. Dry with chamois or a soft towel.
If necessary, remove heat stains by using a commercially available fine texture compound. Then rinse by the same manner as removing mud or dust.

NOTICE

Even though the exhaust is made of stainless steel, it can become stained. Remove all marks and blemishes as soon as they are noticed.

Storing Your Vehicle

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

- Wash your vehicle and wax all painted surfaces (except matte painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. P. 68
- Place your vehicle on its center stand and position a block so that both tires are off the ground.
- After rain, remove the body cover and allow the vehicle to dry.
- Remove the battery (P. 75) 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 vehicle from storage, inspect all maintenance items required by the Maintenance Schedule.

For more information about storage, refer to the *Honda Winter Storage Guide*, available from your dealer.

Transporting Your Vehicle

If your vehicle 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 vehicle with a wheel or wheels on the ground.

NOTICE

Towing your vehicle can cause serious damage to the transmission.

You & the Environment

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

Choose Sensible Cleaners

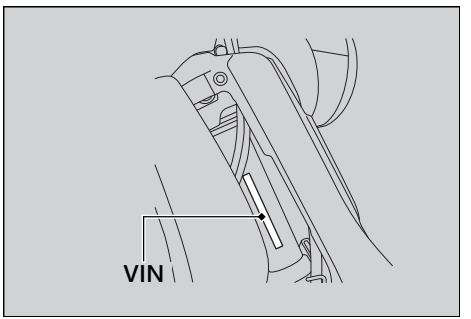
Use a biodegradable detergent when you wash your vehicle. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer.

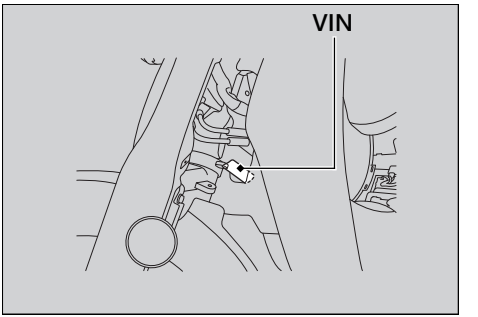
Recycle Wastes

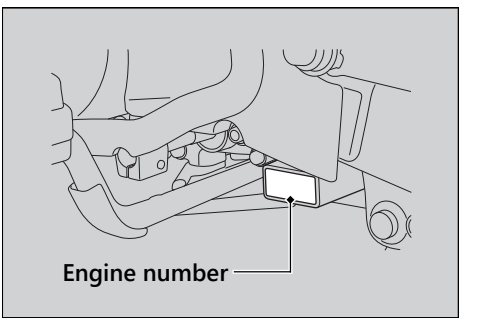
Put oil and other toxic wastes in approved containers and take them to a recycling center. Call your local or state office of public works or environmental services to find a recycling center in your area, and to get instructions on how to dispose of non-recyclable wastes. Do not place used engine oil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

Vehicle Identification Number

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







Emission Control Systems

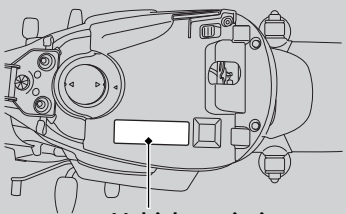
Your vehicle engine emits combustion byproducts, including carbon monoxide (CO), oxides of nitrogen (NOx), and hydrocarbons (HC). Gasoline evaporation also emits hydrocarbons. Controlling the production of NOx, CO, and HC is important for the environment.

Exhaust Emission Requirements

The U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) require that your vehicle comply with applicable exhaust, crankcase, and fuel permeation emission standards during its useful life, when operated and maintained according to the instructions provided.
CARB also requires that your vehicle comply with applicable evaporative emission requirements during its useful life, when operated and maintained according to the instructions provided.

Compliance with the terms of the Distributor's Warranties for Honda Motorcycle Emission Control Systems is necessary in order to maintain a valid emissions system warranty.

The Vehicle Emission Control Information label is located under the seat.



Noise Emission Requirements

The EPA requires that vehicles built after January 1, 1983 comply with applicable noise emission standards for one year or 3,730 miles (6,000 km) after the time of purchase when operated and maintained according to the instructions provided.

Exhaust Emission Control System

The exhaust emission control system includes the following components that should not need adjustment, although periodic inspection by your dealer is recommended.

PGM-FI System

The PGM-FI (programmed fuel injection) system uses sequential multiport fuel injection, and is comprised of air intake, engine control, fuel control, and exhaust control subsystems. The engine control module (ECM) uses sensors to determine how much air enters the engine, and then controls how much fuel to inject.

Ignition Timing Control System

The ignition timing control system adjusts the ignition timing to reduce the amount of HC, CO, and NOx produced.

Catalytic Converters

The exhaust system contains one or more catalytic converters. Catalytic converters use a catalyst to convert most of the harmful exhaust gas compounds into harmless compounds.

Evaporative Emission Control System

50 STATE (meets California)

An evaporative emissions control system uses a canister filled with charcoal to adsorb fuel vapor from the fuel tank while the engine is off. The vapor is drawn into the engine and burned while riding.

Crankcase Emissions Control System

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere.
Blow-by gas is returned to the combustion chamber through the air cleaner and the intake manifold.

Fuel Permeation Emission Control

The fuel tank, fuel hoses, and fuel vapor charge hoses use fuel permeation control technologies to prevent fuel vapor emissions. Tampering with these components to reduce or defeat the effectiveness of the fuel permeation technologies is prohibited.

Noise Emission Control System

TAMPERING WITH THE NOISE CONTROL SYSTEM IS PROHIBITED:

U. S. federal law prohibits the following acts or the causing thereof: (1) The removal or rendering inoperative by any person, other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE FOLLOWING ACTS:

- Removal of, or puncturing the muffler, baffles, header pipes or any other component which conducts exhaust gases.
- Removal of, or puncturing of any part of the intake system.
- Lack of proper maintenance.
- Removing or disabling any emissions compliance component, or replacing any compliance component with a noncompliant component.

Problems Affecting Vehicle Exhaust Emissions

Have your vehicle inspected and repaired by your dealer if you experience any of the following symptoms:

- Hard starting or stalling after starting
- Rough idling
- Misfiring or backfiring during acceleration
- Poor engine performance and poor fuel economy

Catalytic Converter

This vehicle is equipped with two three-way catalytic converters. Each 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 vehicle's catalytic converters.

- Always use unleaded gasoline. Leaded gasoline will damage the catalytic converters.
- Keep the engine in good running condition. A poorly running engine can cause the catalytic converter to overheat causing damage to the converter or the vehicle.
- If your engine is misfiring, backfiring, stalling, or otherwise not running properly, stop riding and turn off the engine. Have your vehicle serviced as soon as possible.

Oxygenated Fuels

Some conventional fuels blended with alcohol or an ether compound are available in some locales to help reduce emissions to meet clean air standards. These gasolines are collectively referred to as oxygenated fuels. If you plan to use oxygenated fuel, check that it is unleaded and meets the minimum octane rating and blend requirement.

The following fuel blends have been approved for use in your vehicle:

- Ethanol (ethyl alcohol) up to 10% by volume.
  ▶ Gasoline containing ethanol may be marketed under the name Gasohol.
- Do not use gasoline containing methanol (methyl alcohol).

If you accidentally fill your fuel tank with an oxygenated fuel containing higher percentages, you may experience performance problems. To resolve the problem, have your dealer drain the fuel tank and replace with the correct fuel. Fuel system or performance problems resulting from the use of an oxygenated fuel containing higher percentages are not covered by your warranty.

NOTICE

Improper use of oxygenated fuels can damage metal, rubber, and plastic parts of your fuel system.

Oxygenated fuel can also damage paint.

Damage caused by spilled fuel is not covered by warranty.

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

Authorized Manuals

The Service Manual used by your authorized dealer is available from your Honda dealer or Helm, Inc.

Also available, but not necessary to service your model, is the Honda Common Service Manual, which explains basic service information for various systems on Honda motorcycles, scooters, and ATV.
The Winter Storage Guide in conjunction with the Owner's Manual and Service Manual can help you prepare your Honda motorcycle, scooter, ATV, and SxS for winter storage.

These Honda manuals are written for the professional technician. However, if you possess the proper tools, observe the safety standards, and are mechanically capable, you should find them easy to use.
Special Honda tools are necessary for some procedures.

Order online: www.helminc.com

Order Toll Free: 1-888-CYCLE93
(1-888-292-5393)
(NOTE: For Credit Card Orders Only)
Monday - Friday 8:00 AM - 6:00 PM EST

Description
2021 Super Cub C125A Service Manual
Common Service Manual (61CSM00)
Winter Storage Guide (S9507)
2021 Super Cub C125A Owner's Manual

Warranty Coverage and Service

Coverage

Your new Honda is covered by the following warranties:

- Vehicle Limited Warranty
- Emission Control System Warranty
- Noise Control Warranty

The responsibilities, restrictions, and exclusions that apply to these warranties are explained in the Warranties Booklet given to you by your Honda dealer at the time of purchase. Always keep your Honda owner's card with your Warranties Booklet.

It is important to realize that your warranty applies only to defects in material or workmanship of your Honda. Your warranty coverage does not apply to the normal wear and deterioration associated with use of the vehicle.

Your warranty coverage is not voided if you perform your own maintenance. However, failures that occur due directly to improper maintenance are not covered by these warranties.

You can extend almost all of your warranty coverage through the Honda Protection Plan. For more information, see your Honda dealer.

Statement on Warranty Coverage for Aftermarket and Recycled Parts

New Jersey

The Magnuson-Moss Warranty Act, 15 U.S.C. s. 2301 et seq., makes it illegal for motor vehicle manufacturers to void a motor vehicle warranty or deny warranty coverage solely because an aftermarket or recycled part has been used to repair the vehicle or someone other than the authorized service provider performed service on the vehicle. This provision does not apply to a new motor vehicle purchased solely for commercial or industrial use.

Under federal law, a manufacturer may deny warranty coverage and charge for repairs to a vehicle if it is discovered that an aftermarket or recycled part installed on the vehicle is defective or was installed incorrectly and caused damage to another part of the vehicle otherwise covered under warranty. The Federal Trade Commission requires that a manufacturer demonstrate that an aftermarket or recycled part or service performed by a person other than an authorized service provider caused damage to another part of the vehicle otherwise covered under warranty before denying warranty coverage. Additionally, federal law allows a manufacturer to void a motor vehicle warranty or deny warranty coverage if the manufacturer provides the article or service to consumers free of charge under the warranty or the manufacturer has secured a waiver from the Federal Trade Commission.

Service

Please remember that maintenance recommended in the Maintenance Schedule is not included in your warranty coverage.
If you believe you have a problem with your vehicle, call the service department of your Honda dealer. Make an appointment for an inspection and diagnosis. You will be asked to authorize that inspection, and your dealer will return the results of the inspection. If a problem exists and is covered under warranty, your dealer will perform the warranty repairs. If you have any questions about your warranty coverage or the nature of the repair, talk to the Service Manager of your Honda dealer.

If a misunderstanding occurs and you aren't satisfied with your dealer's handling of the situation, we suggest you discuss your problem with the appropriate member of the dealership's management team. If you are still not satisfied, contact the owner of the dealership or their designated representative.

Honda Contacts

American Honda Motor Co., Inc.

If you wish to contact Honda directly to comment on your experiences with your vehicle or with your dealer, please send your comments to the following address:

Powersports Customer Relations
American Honda Motor Co., Inc.,
P.O. Box 2200, Torrance,
CA 90509-2200
Mailstop: 100-4W-5F,
Telephone: (866) 784-1870
Website: *https://powersports.honda.com/contact-us*

Please include the following information in your letter:

- Name, address, and telephone number
- Product model, year, and VIN
- Date of purchase
- Dealer name and address

We will likely ask your Honda dealer to respond, or possibly acknowledge your comments directly.

Your Honda Dealer

The service department of your Honda dealer offers trained personnel to perform regular maintenance and unexpected repairs. It has the latest available service information from Honda and also handles warranty inspections and repairs.

The parts department offers Honda Genuine Parts, Pro Honda products and Honda Genuine Accessories that provide the same quality that went into your vehicle.

The sales department offers the Honda Protection Plan to extend almost all of your warranty coverage.

Your Honda dealer can also supply information about, riding events, and information about safety training available in your local area.

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying American Honda Motor Co., Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or American Honda Motor Co., Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at: 1-888-327-4236 (TTY: 1-800-424-9153); go to *http://www.safercar.gov;* or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE., Washington, DC 20590. You can also obtain other information about motor vehicle safety from: *http://www.safercar.gov*.

■ Main Components

Overall length	75.4 in (1,915 mm)
Overall width	28.3 in (720 mm)
Overall height	39.4 in (1,000 mm)
Wheelbase	49.0 in (1,245 mm)
Minimum ground clearance	4.9 in (125 mm)
Caster angle	26.5°
Trail	2.8 in (71 mm)
Curb weight	240 lb (109 kg)
Maximum weight capacity *1	234 lb (106 kg)
Passenger capacity	Rider only
Minimum turning radius	6.6 ft (2.0 m)

*1 : Including rider, all luggage, and accessories.

Displacement *1	7.6 cu-in (125 cm^3)	
Bore x stroke	2.06 x 2.28 in (52.4 x 57.9 mm)	
Compression ratio	9.3 : 1	
Fuel	Unleaded gasoline Recommended: 86 PON or higher	
Tank capacity	0.98 US gal (3.7 L)	
Battery	YTZ5S 12 V-3.5 Ah (10 HR)	
Gear ratio	1st	2.500
	2nd	1.550
	3rd	1.150
	4th	0.923
Reduction ratio (primary / final)	3.363 / 2.571	

*1 : Displacement less than 9.2 cu-in (150 cm ^{3}) may have highway operating restrictions depending on state laws.

Service Data

Tire size	Front	70/90-17M/C 38P
	Rear	80/90-17M/C 50P
Tire type		Bias-ply, tubeless
Recommended Tire	Front	IRC NF63B YD
	Rear	IRC NR94
Tire air pressure	Front	29 psi (200 kPa, 2.00 kgf/cm^2)
	Rear	33 psi (225 kPa, 2.25 kgf/cm^2)
Spark plug	(standard)	CPR6EA-9 (NGK) or U20EPR9 (DENSO)
	(For extended high speed riding)	CPR7EA-9 (NGK) or U22EPR9 (DENSO)

Spark plug gap	0.03 - 0.04 in (0.8 - 0.9 mm)	
Idle speed	(non-adjustable)	1,400 ± 100 rpm
Recommended engine oil	API Service Classification SG or higher except oils labeled as energy conserving or resource conserving on the circular API service label, SAE 10W-30, JASO T 903 standard MA, Pro Honda GN4 4-stroke oil (USA & Canada) or Honda 4-stroke oil, or an equivalent motorcycle oil	
Engine oil capacity	After draining	0.8 US qt (0.8 L)
	After disassembly	1.1 US qt (1.0 L)
Recommended brake fluid	Honda DOT 3 or DOT 4 Brake Fluid	
Recommended drive chain lubricant	Pro Honda HP Chain Lube or equivalent	
Drive chain slack	1.0 - 1.4 in (25 - 35 mm)	
Standard drive chain	DID420AD2 or RK420EL	
	No. of links	106
Standard sprocket size	Drive sprocket	14T
	Driven sprocket	36T

Bulbs

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

Fuses

Main fuse	15 A
Other fuse	15 A, 10 A

Torque Specifications

Chain cover bolt	5.2 lbf·ft (7 N·m, 0.7 kgf·m)

Information Record

VIN	
Engine No.	
Color Label & Code	
Owner's Name	
Address	
City/State	
Phone	
Dealer's Name	
Address	
City/State	
Phone	
Service Manager	

California Proposition 65 Warning

⚠**WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.