

**C125A**

**OWNER'S MANUAL**



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

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The vehicle pictured in this owner's manual may not match your actual vehicle.

# 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.

- The following codes in this manual indicate each destination.
- The illustrations here in are based on the C125A ED type.

## Destination Codes

| Codes        | Destination                                                                          |
|--------------|--------------------------------------------------------------------------------------|
| <b>C125A</b> |                                                                                      |
| ED           | European direct sales, Italy, France, Denmark, Spain, Turkey, New Zealand, Singapore |
| E            | UK                                                                                   |
| KO, II KO    | Korea                                                                                |

\*The specifications may vary with each locale.

## 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 judgement.

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.

# Contents

**Vehicle Safety**

P. 2

**Operation Guide**

P. 18

**Maintenance**

P. 62

**Troubleshooting**

P. 98

**Information**

P. 115

**Specifications**

P. 131

# Vehicle Safety

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

|                                   |       |
|-----------------------------------|-------|
| Safety Guidelines .....           | P. 3  |
| Image Labels .....                | P. 7  |
| Safety Precautions .....          | P. 11 |
| Riding Precautions .....          | P. 12 |
| Accessories & Modifications ..... | P. 16 |
| Loading .....                     | P. 17 |

## 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 flames 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. 11

### Before Riding

Make sure that you are physically fit, mentally focused, and free of alcohol and drugs. Check that you and your passenger are both wearing

an approved helmet and protective apparel. Instruct your passenger on holding onto the seat strap or your waist, leaning with you in turns, and keeping their feet on the footpegs, even when the vehicle is stopped.

### 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.

### 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 judgement 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. 17), and do not modify your vehicle or install accessories that would make your vehicle unsafe (➤ P. 16).

## If You are Involved in a Crash

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

If you decide to continue riding, first turn the ignition switch to the **O** (Off) position, and evaluate the condition of your 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 colourless, odorless gas. Breathing carbon monoxide can cause loss of consciousness and may lead to death.

If you run the engine in a 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 colourless, 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.

# Image Labels

## E, ED type

The following pages describe the label meanings. Some labels warn you of potential hazards that could cause serious injury. Others provide important safety information. Read this information carefully and don't remove the labels.

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

There is a specific symbol on each label. The meanings of each symbol and label are as follows.



Read instructions contained in Owner's Manual carefully.



Read instructions contained in Shop Manual carefully. In the interest of safety, take the vehicle to be serviced only by your dealer.



### **DANGER (with RED background)**

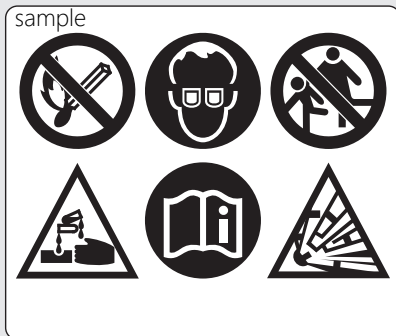
You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

### **WARNING (with ORANGE background)**

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

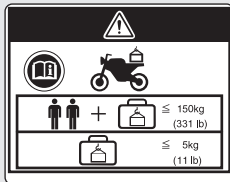
### **CAUTION (with YELLOW background)**

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



## BATTERY LABEL DANGER

- Keep flame and spark away from the battery. Battery produce explosive gas that can cause explosion.
- Wear the eye protection and rubber gloves when handling the battery, or you can get burned or lose your eyesight by the battery electrolyte.
- Do not allow children and other people to touch a battery unless they understand proper handling and hazards of the battery very well.
- Handle the battery electrolyte with extreme care as it contains dilute sulfuric acid. Contact with your skin or eyes can burn you or cause loss of your eyesight.
- Read this manual carefully and understand it before handling the battery. Neglect of the instructions can cause personal injury and damage to the vehicle.
- Do not use a battery with the electrolyte at or below the lower level mark. It can explode causing serious injury.



## ACCESSORIES AND LOADING WARNING LABEL

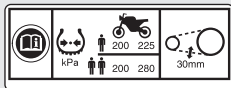
### ACCESSORIES AND LOADING

- The safety stability and handling of this vehicle may be affected by the addition of accessories and luggage.
- Read carefully the instructions contained in user's manual and installation guide before installing any accessory.
- The total weight of accessories and luggage added to rider's and passenger's weight should not exceed **150 kg (331 lb)**, which is the maximum weight capacity.
- The luggage weight must not exceed **5 kg (11 lb)** under any circumstances.
- The fitting of large fork-mounted or large handlebar mounted fairing is not recommended.



## ABS INFORMATION LABEL

This model equipped with an Anti-lock Brake System (ABS) on front wheel.



### TYRE INFORMATION & DRIVE CHAIN LABEL

Cold tyre pressure:

[Driver only]

Front **200 kPa (2.00 kgf/cm<sup>2</sup>, 29 psi)**

Rear **225 kPa (2.25 kgf/cm<sup>2</sup>, 33 psi)**

[Driver and passenger]

Front **200 kPa (2.00 kgf/cm<sup>2</sup>, 29 psi)**

Rear **280 kPa (2.80 kgf/cm<sup>2</sup>, 41 psi)**

Keep chain adjusted and lubricated.

Freeplay **25 - 35 mm (1.0 - 1.4 in)**



### SAFETY REMINDER LABEL

For your protection, always wear helmet, protective apparel.

### FUEL LABEL

Unleaded petrol only

ETHANOL up to 10 % by volume

## Safety Precautions

- Ride cautiously and keep your hands on the handlebar and feet on the footpegs.
- Instruct your passenger to keep their hands on the seat strap or your waist and their feet on the footpegs while riding.
- Always consider the safety of your passenger, as well as other drivers and riders.

### Protective Apparel

Make sure that you and any passenger are wearing an approved 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

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

- Must fit comfortably but securely, with the chin strap fastened

- Face shield with unobstructed field of vision or other approved eye protection

### **⚠ WARNING**

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

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

#### ■ Gloves

Full-finger leather gloves with high abrasion resistance

#### ■ Boots or Riding Shoes

Sturdy boots with non-slip soles and ankle protection

#### ■ Jacket and Trousers

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

## Riding Precautions

### Running-in Period

During the first 500 km (300 miles) of running, follow these guidelines to ensure your 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.
- Exercise caution on low traction surfaces.
  - ▶ The tyres slip more easily on such surfaces and braking distances are longer.
- Avoid continuous braking.
  - ▶ Repeated braking, such as when descending long, steep slopes can seriously overheat the brakes, reducing their effectiveness. 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 10 km/h (6 mph).
- The brake lever may recoil slightly when applying the brakes. This is normal.
- Always use the recommended front/rear tyres 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. 39) and leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary.  
➡ P. 34  
Use of an anti-theft device is also recommended.  
Also set the anti-theft alarm system.

### ■ Parking with the Side Stand or Centre Stand

1. Stop the engine.
2. **Using the centre stand**

To lower the centre stand, stand on the left side of the vehicle.

Hold the left handle grip and the left side of luggage carrier.

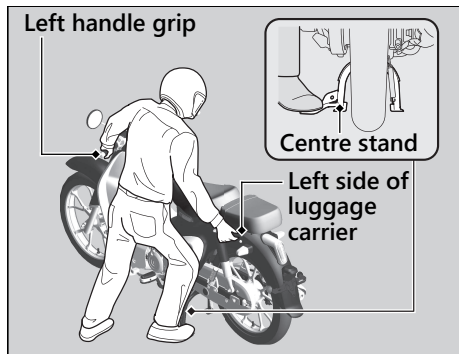
Press down on the tip of the centre stand with your right foot and, simultaneously, pull up and back.

**KO, II KO type**

#### **Using the side stand**

Push the side stand down.

Slowly lean the vehicle to the left until its weight rests on the side stand.



3. Turn the handlebar fully to the left.  
 ► Turning the handlebar to the right reduces stability and may cause the vehicle to fall.
4. Turn the ignition switch to the  (Lock) position (► P. 32) and lock the ignition switch (► P. 39).
5. Set the anti-theft alarm system. ► P. 41

## Refuelling and Fuel Guidelines

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

- Use only unleaded petrol.
- Use the recommended octane number.  
 Using lower octane petrol will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. ► P. 129
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

## Accessories & Modifications

We strongly advise that you do not add any accessories that were not specifically designed for your 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/Maximum luggage weight** ➤ P. 131
- Tie all luggage securely, evenly balanced, and close to the centre of the vehicle.
- Do not place objects near the lights or the muffler.

### **WARNING**

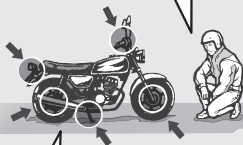
Overloading or improper loading can cause a crash and you can be seriously hurt or killed.

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

# Basic Operation Flow

## Pre-ride Inspection ➡ P.68

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



How to use basic features.

- Instruments ➡ P.22
- Indicators ➡ P.28
- Switches ➡ P.30
- Steering Lock ➡ P.32
- Honda SMART Key System ➡ P.33
- Anti-theft Alarm System ➡ P.41
- Answer Back System ➡ P.48

## Acceleration

Apply throttle gradually.  
Obey the speed limit.



## Shift Change ➡ P.56



## Starting the Engine ➡ P.54

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.

**| Braking****STOP!**

Close the throttle and apply the front and rear brakes together.

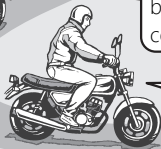
- ▶ The brakelight will indicate that you have applied the brakes.

**| Stopping**

If pulling off the road, signal early enough to show traffic that you are pulling over, and pull over smoothly.

**| Turning Corners**

Do your braking before entering corners.



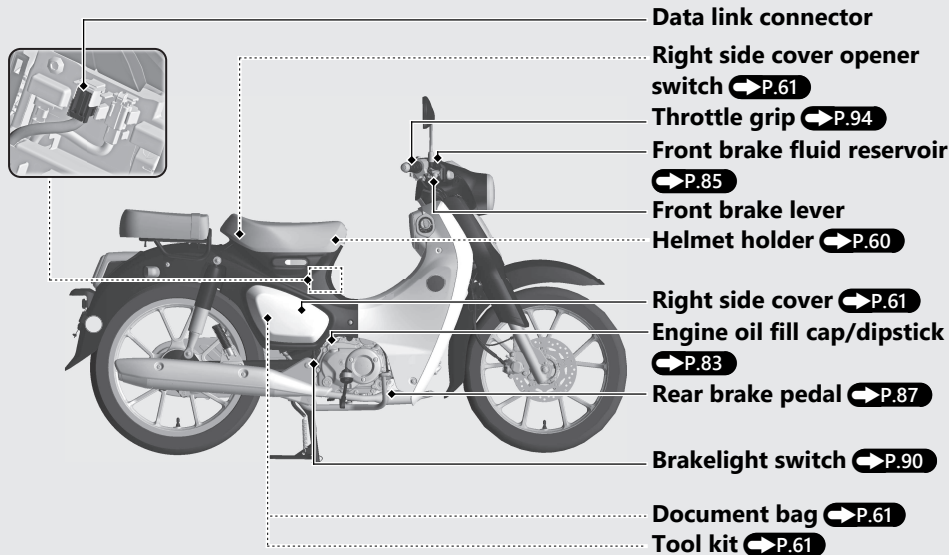
Gradually reapply throttle when exiting turn.

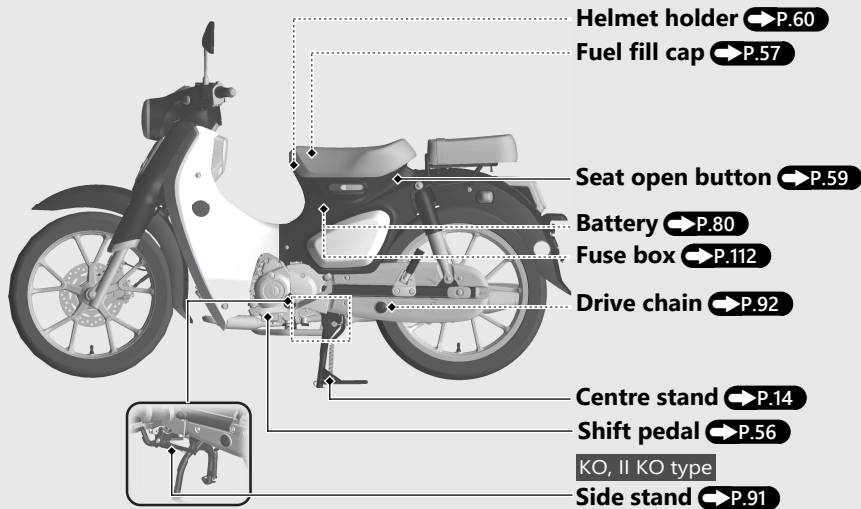
**| Parking ➡ P.14**

Park on a firm level surface. Use the stand, and lock the steering.

**| Refuelling ➡ P.57**

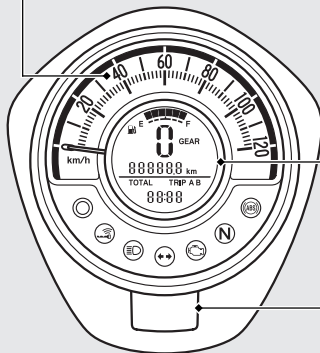
# Parts Location





# Instruments

Speedometer



Mode button

## Display Check

When the ignition switch is turned to the **I** (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 these displays does not come on when it should, have your dealer check for problems.

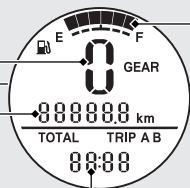
### Except E type

The "mph" and "mile" will not be displayed.

### Gear position indicator

The gear position is shown in the gear position indicator.

- "-" appears when the transmission is not shift properly.



### Clock (12-hour display)

To set the clock: ➡ P.25

### 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 while the tripmeter A or B is displayed to reset to 0.0 km.

### Fuel gauge

Remaining fuel when only 1st (E) segment starts flashing approximately:  
1.0 L (0.26 US gal, 0.22 Imp gal)



**If the fuel gauge indicator flashes in a repeat pattern or turns off: ➡ P.103**

#### NOTICE

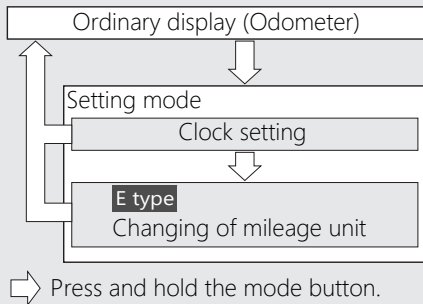
You should refuel when the reading approaches the E (1st) segment. Running out of fuel can cause the engine to misfire, damaging the catalytic converter.

## Instruments *(Continued)*

### Display Setting

Following items can be changed sequentially.

- Clock setting
- **E type** Changing of mileage unit



If the mode button is not pressed for about 30 seconds, the control is automatically switched from the setting mode to the ordinary display.

If the mode button is not pressed for about 30 seconds, items in the process of being set will be discarded and only items where settings have been finalised will be applied. Only if the ignition switch is turned to the  (Off) position will items in the process of being set and those that are finalised be applied.

## 1 Clock setting:

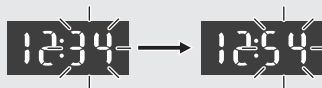
- ① Turn the ignition switch to the **I** (On) position.
- ② With odometer displayed, press and hold the mode button, the hour digits start flashing.
- ③ Press the mode button until the desired hour is displayed.



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



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



- ⑥ **Except E type**

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

### **E type**

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

## Instruments *(Continued)*

### 2 Changing of mileage unit:

E type

- 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**

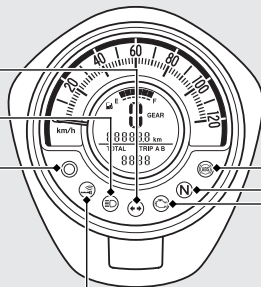
**Anti-theft Alarm System:** ➡ P.41



**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 **I** (On) position.

**When the Honda SMART Key Indicator Flashes:** ➡ P.102



**ABS (Anti-lock Brake System) indicator**

Comes on when the ignition switch is turned to the **I** (On) position.  
Goes off when your speed reaches approximately 10 km/h (6 mph).

**If it comes on while riding:** ➡ **P.101**

**Neutral indicator**

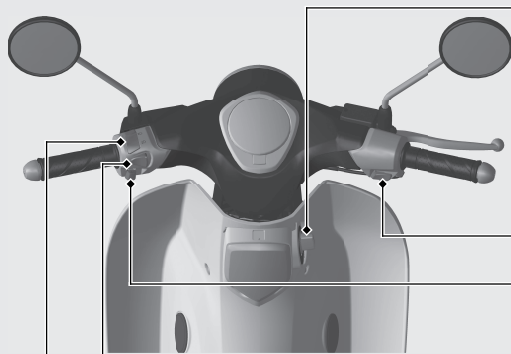
Comes on when the transmission is in Neutral.

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

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

**If it comes on or flashes while engine is running:** ➡ **P.100**

# Switches



**Horn button**

## **Headlight dimmer switch**

-  : High beam
-  : Low beam



**Start button**



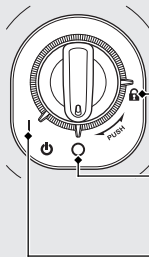
**Turn signal switch**

- ▶ Pressing the switch turns the turn signal off.

## Ignition switch

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

**To unlock the ignition switch:** ➡ P.38



 **(Lock)**

Locks steering.

 **(Off)**

Turns engine off.

 **(On)**

Turns electrical system on for starting/riding.



## **Answer back/alarm button**

This button is used to operate the answer back system and the anti-theft alarm system.

**Answer Back System:** ➡ P.48

**Anti-theft Alarm System:**

➡ P.41



## **ON/OFF button**

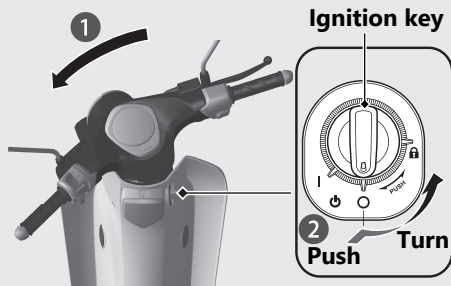
This button is used to activate or deactivate the Honda SMART Key system, and also to confirm the activation status. ➡ P.34

## 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.38**
  - ▶ Jiggle the handlebar if the lock is difficult to engage.
- 3 Lock the ignition switch. ➡ **P.39**

### Unlocking

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

- ▶ To unlock the ignition switch. ➡ **P.38**

# Honda SMART Key System

## **Smart system device for vehicle**

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

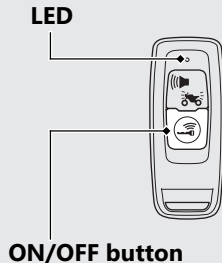
#### **To switch the Honda SMART Key system to activation or deactivation**

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

#### **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:<br>(active) | Honda SMART Key system authentication can be performed.    |
| Red:<br>(Inactive) | Honda SMART Key system authentication cannot be performed. |



## Operating Range

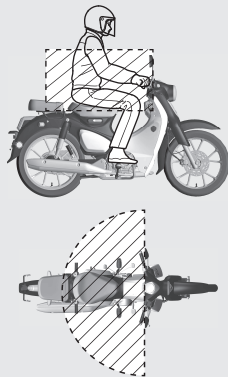
The operating range varies when the ignition switch is locked or unlocked.

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.

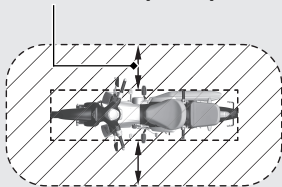


## Honda SMART Key System *(Continued)*

### When the ignition switch is locked:

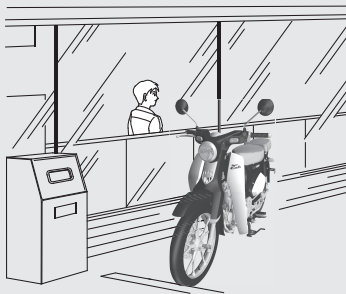
The system can be operated within the shaded area shown in the illustration.

**About 2 m (6.6 ft)**



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.34**



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 **I** (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.39**

## 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.34
- 2 To authenticate the Honda SMART Key system, push the ignition switch.
  - ▶ When properly authenticated and the ignition switch is unlocked, the buzzer rings twice, the Honda SMART Key indicator and ignition switch ring come on.
  - ▶ The buzzer sound can be cancelled. ➡ P.40
- 3 Turn the ignition switch to the **I** (On) position while the Honda SMART Key indicator comes on.
  - ▶ If you do not turn the ignition switch to the **I** (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 once, the buzzer rings once, and then the ignition switch will be locked.

### When the Honda SMART Key system does not work properly ➡ P.104

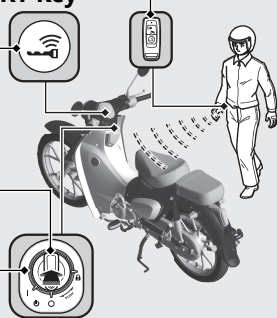
If someone without the Honda SMART Key tries to turn the ignition switch, the ignition switch rotates freely. If you notice the ignition switch is in a different position, turn the ignition switch to the original **O** (Off) or **L** (Lock) position.

#### Honda SMART Key

Honda SMART Key indicator

Ignition switch

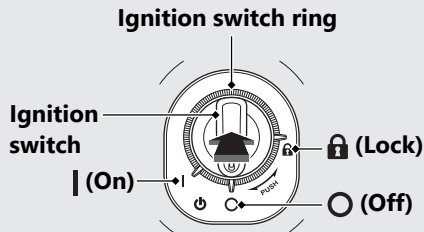
Ignition switch ring



## 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.35**
  - 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.34**
- 3 Make sure that the Honda SMART Key indicator and ignition switch ring go off, the turn signals flash once, and the buzzer rings once. This indicates that the ignition switch is locked.
  - ▶ The buzzer sound can be cancelled. ➡ **P.40**

When the Honda SMART Key system does not work properly ➡ **P.104**



## 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.34
- 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/alarm button.
  - ▶ The red LED starts blinking when the buzzer sound is properly enabled.

### Disable

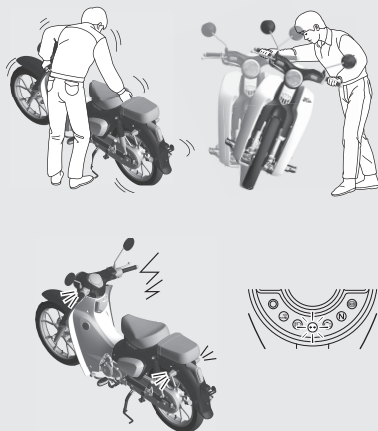
- 1 Deactivate the Honda SMART Key system.  
➡ P.34
- 2 Lightly press the ON/OFF button. The red Honda SMART Key LED blinks.
- 3 While the red LED is blinking, press the answer back/alarm button.
  - ▶ The red LED stops blinking but stays on when the buzzer sound is properly disabled.

# 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/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.38**

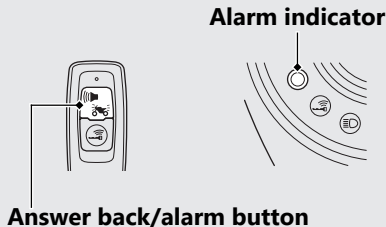
The anti-theft alarm system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.

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 answer back/alarm button. Within a second, the turn signal blinks and the buzzer rings once. After 2.5 seconds, the buzzer rings once. The anti-theft alarm system is activated.

The alarm indicator flashes while the anti-theft alarm system is activated.



## **Cancelling the Anti-theft Alarm System**

To cancel the anti-theft alarm system, do one of the following:

- Unlock the ignition switch. ➡ **P.38**
  - ▶ When the anti-theft alarm system is cancelled, the buzzer rings twice and the alarm indicator goes off, the ignition switch ring and the Honda SMART Key indicator come on.
- Press the seat open button while the Honda SMART Key is in the operating range. ➡ **P.35**
  - ▶ When the anti-theft alarm system is cancelled, the alarm indicator goes off.



**Ignition switch**



**Seat open button**

## Anti-theft Alarm System (Continued)

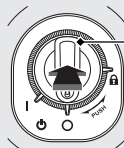
### Stopping the Anti-theft Alarm Activation

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

- Press the answer back/alarm button on the Honda SMART Key.
  - ▶ After stopping the anti-theft alarm activation, the anti-theft alarm system will be reset.
- Unlock the ignition switch. ➡ **P.38**
- Press the seat open button while the Honda SMART Key is in the operating range. ➡ **P.35**
  - ▶ Unlock the ignition switch or press the seat open button while the Honda SMART Key is in the operating range, the anti-theft alarm stops activation, and then the anti-theft alarm system will be cancelled.



**Answer back/  
alarm button**



**Ignition switch**



**Seat open button**

## Adjusting the Sensitivity of Anti-theft Alarm System

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

- 1 Make sure that the Honda SMART Key system is active. ➡ **P.34**
- 2 Push the ignition switch to authenticate the Honda SMART Key system. ➡ **P.38**
- 3 Press and hold the ignition switch for more than 4 seconds.
  - ▶ The Honda SMART Key indicator and ignition switch ring flash.

**Answer back/  
alarm button**



**Ignition switch**



**Ignition switch ring**

- 4 Press the ignition switch once while the Honda SMART Key indicator and ignition switch ring are flashing.
  - ▶ The Honda SMART Key indicator and ignition switch ring come on, and a buzzer sounds.
- 5 Repeat the following 3 times:  
Press the answer back/alarm button on the Honda SMART Key 4 times and the ignition switch once.

## Anti-theft Alarm System *(Continued)*

- ▶ When the ignition switch is pressed, the Honda SMART Key indicator and ignition switch ring go off, and the buzzer sounds. When they light again, do the next input.
  - ▶ When the answer back/alarm button is pressed, the Honda SMART Key LED comes on. Make sure the LED goes off before pressing the button again.
  - ▶ When the answer back/alarm button or ignition switch is not pressed for 1 minute, the Honda SMART Key indicator and ignition switch ring flash 3 times, and then the buzzer sounds and the mode is cancelled. Return to **1** and do the procedure again.
  - ▶ If you press the answer back/alarm button the wrong number of times before you repeat the procedure 3 times, then repeat the procedure 3 times again.
- 6** Press the answer back/alarm button to select from 3 sensitivity levels.
    - 3 alarm rings: high sensitivity
    - 2 alarm rings: medium sensitivity
    - 1 alarm ring: low sensitivityThe Honda SMART Key indicator and ignition switch ring come on while setting.
  - 7** Press and hold the ignition switch for more than 2 seconds. The sensitivity level is set.
    - ▶ The Honda SMART Key indicator and ignition switch ring turn off, and a buzzer sounds once.
    - ▶ When the answer back/alarm button is not pressed for 10 seconds, the Honda SMART Key indicator and ignition switch ring flash 3 times, and then the buzzer sounds, and the sensitivity level is set.

## **If the Anti-Theft Alarm System Does Not Operate Properly**

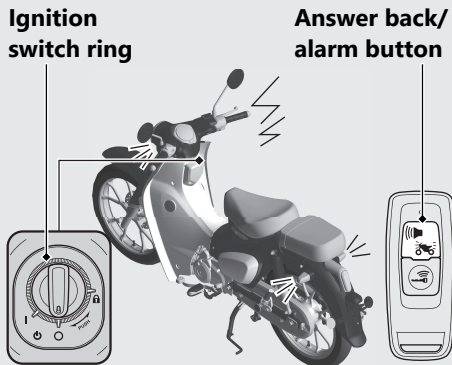
If any of the following situations arise, battery (➤ P. 80) in the vehicle is discharged or there is a system problem. Remove the battery and see your dealer.

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

# Answer Back System

The answer back system is a device to find the location of your vehicle and to inform you that the immobilizer function of the Honda SMART key system is activated. When the immobilizer is active and you press the answer back/alarm 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 and activation of the immobilizer function. 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/alarm button on the Honda SMART Key.

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

If the ignition switch is left in the **O** (Off) or **i** (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 answer back/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 **I** (On) position once.

- ▶ To unlock the ignition switch. ➡ **P.38**

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

## Adjusting the Answer Back Buzzer Sound Volume Level

You can select 3 buzzer sound volume levels.

- ① Make sure that the Honda SMART Key system is active. ➡ **P.34**
- ② Push the ignition switch to authenticate the Honda SMART Key system. ➡ **P.38**
- ③ Press and hold the ignition switch for more than 4 seconds.
  - ▶ The Honda SMART Key indicator and ignition switch ring flash.

**Answer back/  
alarm button**



**Ignition switch**



**Ignition switch ring**

## Answer Back System *(Continued)*

- 4 Press the ignition switch once while the Honda SMART Key indicator and ignition switch ring are flashing.
  - ▶ The Honda SMART Key indicator and ignition switch ring come on, and a buzzer sounds.
- 5 Repeat the following 3 times:  
Press the answer back/alarm button on the Honda SMART Key twice and the ignition switch once.
  - ▶ When the ignition switch is pressed, the Honda SMART Key indicator and ignition switch ring go off, and the buzzer sounds. When they light again, do the next input.
  - ▶ When the answer back/alarm button is pressed, the Honda SMART Key LED comes on. Make sure the LED goes off before pressing the button again.
- ▶ When the answer back/alarm button or ignition switch is not pressed for 1 minute, the Honda SMART Key indicator and ignition switch ring flash 3 times, and then the buzzer sounds and the mode is cancelled. Return to 1 and do the procedure again.
- ▶ If you press the answer back/alarm button the wrong number of times before you repeat the procedure 3 times, then repeat the procedure 3 times again.
- 6 Press the answer back/alarm button to select from 3 levels for the sound volume. The Honda SMART Key indicator and ignition switch ring come on while setting.

- 7 Press and hold the ignition switch for more than 2 seconds. The sound volume level is set.
  - ▶ The Honda SMART Key indicator and ignition switch ring turn off, and a buzzer sounds once.
  - ▶ When the answer back/alarm button is not pressed for 10 seconds, the Honda SMART Key indicator and ignition switch ring flash 3 times, and then the buzzer sounds, and the sound volume level is set.

## Changing the Answer Back Buzzer Sound Pattern

You can select 3 buzzer sound patterns.

- 1 Make sure that the Honda SMART Key system is active. ➡ P.34
- 2 Push the ignition switch to authenticate the Honda SMART Key system. ➡ P.38
- 3 Press and hold the ignition switch for more than 4 seconds.
  - ▶ The Honda SMART Key indicator and ignition switch ring flash.

**Answer back/  
alarm button**



**Ignition switch**



**Ignition switch ring**

## Answer Back System *(Continued)*

- 4 Press the ignition switch once while the Honda SMART Key indicator and ignition switch ring are flashing.
  - ▶ The Honda SMART Key indicator and ignition switch ring come on, and a buzzer sounds.
- 5 Repeat the following 3 times:  
Press the answer back/alarm button on the Honda SMART Key 3 times and the ignition switch once.
  - ▶ When the ignition switch is pressed, the Honda SMART Key indicator and ignition switch ring go off, and the buzzer sounds. When they light again, do the next input.
  - ▶ When the answer back/alarm button is pressed, the Honda SMART Key LED comes on. Make sure the LED goes off before pressing the button again.
- ▶ When the answer back/alarm button or ignition switch is not pressed for 1 minute, the Honda SMART Key indicator and ignition switch ring flash 3 times, and then the buzzer sounds and the mode is cancelled. Return to 1 and do the procedure again.
- ▶ If you press the answer back/alarm button the wrong number of times before you repeat the procedure 3 times, then repeat the procedure 3 times again.
- 6 Press the answer back/alarm button to select from 3 buzzer sound patterns. The Honda SMART Key indicator and ignition switch ring come on while setting.

- 7 Press and hold the ignition switch for more than 2 seconds. The sound pattern is set.
  - ▶ The Honda SMART Key indicator and ignition switch ring turn off, and a buzzer sounds once.
  - ▶ When the answer back/alarm button is not pressed for 10 seconds, the Honda SMART Key indicator and ignition switch ring flash 3 times, and then the buzzer sounds, and the sound pattern is set.

## **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/alarm button for about 2 seconds, the Honda SMART Key LED changes to red.

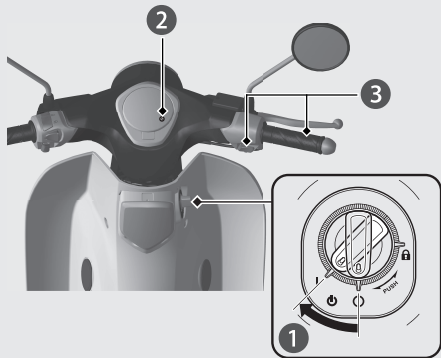
### **Disable:**

Re-press and hold the answer back/alarm 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.35



## NOTICE

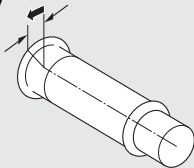
- If the engine does not start within 5 seconds, turn the ignition switch to the **○** (Off) position and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine and the exhaust system.
- Snapping the throttle or fast idling for more than about 5 minutes may cause exhaust pipe discolouration.

- 1 Turn the ignition switch to the **I** (On) position.
- 2 Shift the transmission to Neutral (**N** indicator to come on).
- 3 Press the start button with the throttle completely closed.

**If you cannot start the engine:**

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

**About 3 mm (0.1 in), without freeplay**

**If the engine does not start:**

- ① Open the throttle fully and press the start button for 5 seconds.
  - ▶ The engine will not start at this time. (When the throttle is fully open, the engine will not start when the start button is pressed.) Release the throttle and start button after 5 seconds and proceed to step ②.
- 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 steps ① & ② again.

**If Engine Will Not Start ➡ P.99**

# Shifting Gears

Your vehicle transmission has four forward gears. The gearshift operation differs when stopping and when moving.

When stopping, change can be made from 4th to neutral directly with the 4-step rotary system. When moving, the forward 4-step return system is used.

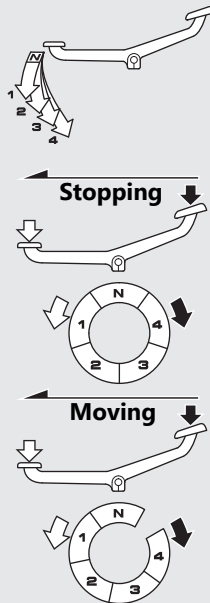
Change cannot be made from 4th to neutral directly.

- ▶ Always return the throttle grip first before changing gear.
- ▶ Operate lightly with the tips of your toes until the shift pedal is pushed down.
- ▶ Avoid changing gear needlessly and riding with your foot on the shift pedal since this may damage the gear change mechanism and clutch mechanism.

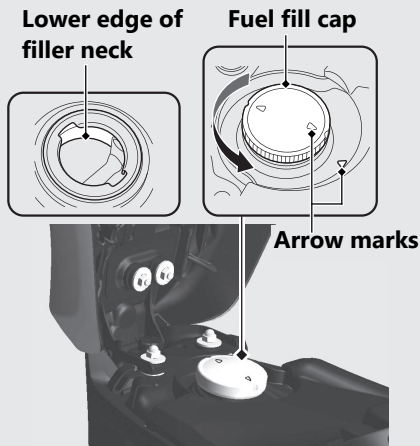
Proper shifting can prevent damaging the engine and transmission.

## KO, II KO type

If you put the vehicle in gear with the side stand down, the engine will shut off.



# Refuelling



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

**Fuel type:** Unleaded petrol only

**Fuel octane number:** Your vehicle is designed to use Research Octane Number (RON) 91 or higher.

**Tank capacity:** 3.7 L (0.98 US gal, 0.81 Imp gal)

**Refuelling and Fuel Guidelines** ➔ P.15

## Refuelling *(Continued)*

### Opening the Fuel Fill Cap

- ① Open the seat. ➡ **P.59**
- ② Turn the fuel fill cap counterclockwise until it stops and remove the cap.

### Closing the Fuel Fill Cap

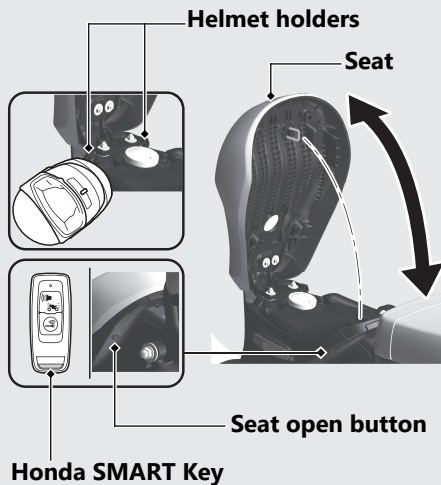
- ① Install and tighten the fuel fill cap firmly by turning it clockwise.
  - ▶ Make sure that the arrow marks on the cap and fuel tank is aligned.
- ② Close the seat.

## **WARNING**

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

- Stop the engine, and keep heat, sparks, and flames away.
- Only handle fuel outdoors.
- Wipe up spills immediately.

# Storage Equipment



## Seat Open

The seat open button can be operated when the Honda SMART Key is in the operating range (➡P.35), the Honda SMART Key system is active (➡P.34) and the ignition switch is in the  (Off) or  (Lock) position. Press the seat open button and open the seat.

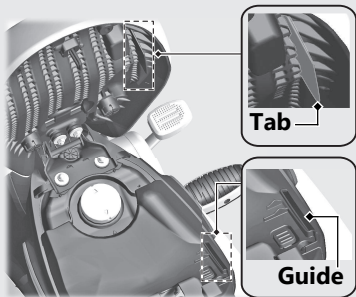
- ▶ If the battery does not have enough voltage to start the engine, the seat may not open.

## Storage Equipment *(Continued)*

### 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.

- Make sure the tab of the seat align with the guide of the body.



### Helmet Holder

The helmet holders are located under the seat.

- Use the helmet holders only when parked.

### **⚠ WARNING**

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

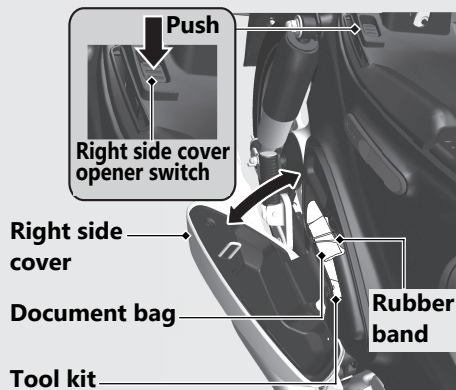
## Right Side Cover

### Open

- 1 Open the seat. ➡ P.59
- 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.

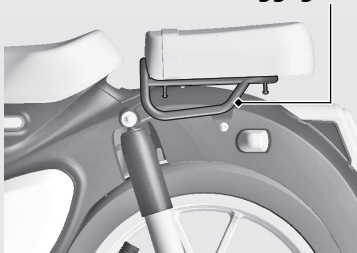
### Opening the seat. ➡ P.59

## Luggage Carrier E, ED type

The luggage weight must not exceed **5 kg (11 lb)** under any circumstances.

**Maximum luggage weight: 5 kg (11 lb)**

### Luggage carrier



# Maintenance

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

|                                                    |              |
|----------------------------------------------------|--------------|
| <b>Importance of Maintenance .....</b>             | <b>P. 63</b> |
| <b>Maintenance Schedule.....</b>                   | <b>P. 65</b> |
| <b>Maintenance Fundamentals .....</b>              | <b>P. 68</b> |
| <b>Tools .....</b>                                 | <b>P. 79</b> |
| <b>Removing &amp; Installing Body Components..</b> | <b>P. 80</b> |
| Battery .....                                      | P. 80        |
| Centre Cover .....                                 | P. 82        |
| <b>Engine Oil .....</b>                            | <b>P. 83</b> |
| <b>Brakes.....</b>                                 | <b>P. 85</b> |
| <b>Side Stand .....</b>                            | <b>P. 91</b> |
| <b>Drive Chain.....</b>                            | <b>P. 92</b> |
| <b>Throttle .....</b>                              | <b>P. 94</b> |
| <b>Other Replacement.....</b>                      | <b>P. 95</b> |
| Replacing the Honda SMART Key Battery.....         | P. 95        |

# Importance of Maintenance

## 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. 65

### **⚠ 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.

## 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.

#### **E, ED type**

- Place your vehicle on a firm, level surface using the centre stand or a maintenance stand to provide support.

#### **KO, II KO type**

- Place your vehicle on a firm, level surface using the side stand, centre stand or a maintenance stand to provide support.

## Importance of Maintenance

- Allow the engine, muffler, brakes, and other high-temperature parts to cool before servicing as you can get burned.
- Run the engine only when instructed, and do so in a well-ventilated area.

## Maintenance Schedule

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

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

Make sure that whomever performs the maintenance completes this record.

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

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

# Maintenance Schedule

| Items                               |   | Pre-ride<br>Check<br>P. 68 | Frequency *1 |     |   |    |    |    |    |    | Annual<br>Check | Regular<br>Replace | Refer to<br>page |
|-------------------------------------|---|----------------------------|--------------|-----|---|----|----|----|----|----|-----------------|--------------------|------------------|
|                                     |   |                            | × 1,000 km   | 1   | 6 | 12 | 18 | 24 | 30 | 36 |                 |                    |                  |
|                                     |   |                            | × 1,000 mi   | 0.6 | 4 | 8  | 12 | 16 | 20 | 24 |                 |                    |                  |
| Honda Diagnostic System             | ✂ |                            |              | I   | I | I  | I  | I  | I  | I  |                 |                    | —                |
| Fuel Line                           | ✂ |                            |              |     | I | I  | I  | I  | I  | I  | I               |                    | —                |
| Fuel Level                          |   | I                          |              |     |   |    |    |    |    |    |                 |                    | 57               |
| Throttle Operation                  | ✂ | I                          |              |     | I | I  | I  | I  | I  | I  | I               |                    | 94               |
| 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                          |   | I                          |              | R   | R | R  | R  | R  | R  | R  | R               |                    | 83               |
| Engine Oil Filter                   |   |                            |              |     |   | R  |    | R  |    | R  |                 |                    | —                |
| 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 | ✂ |                            |              |     |   |    | 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 Shop Manual.
- ✂ : Technical. In the interest of safety, have your vehicle serviced by your dealer.

## Maintenance Legend

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

| Items                        |   | Pre-ride<br>Check<br>P. 68 | Frequency *1               |     |   |    |    |    |    |    | Annual<br>Check | Regular<br>Replace | Refer to<br>page |
|------------------------------|---|----------------------------|----------------------------|-----|---|----|----|----|----|----|-----------------|--------------------|------------------|
|                              |   |                            | × 1,000 km                 | 1   | 6 | 12 | 18 | 24 | 30 | 36 |                 |                    |                  |
|                              |   |                            | × 1,000 mi                 | 0.6 | 4 | 8  | 12 | 16 | 20 | 24 |                 |                    |                  |
| Drive Chain                  |   | I                          | Every 500 km (300 mi): I L |     |   |    |    |    |    |    |                 |                    | 92               |
| Brake Fluid *4               |   | I                          |                            |     | I | I  | I  | I  | I  | I  | I               | 2 Years            | 85               |
| Brake Pads/Shoes Wear        |   | I                          |                            |     | I | I  | I  | I  | I  | I  | I               |                    | 86, 89           |
| Brake System                 |   | I                          |                            |     | I | I  | I  | I  | I  | I  | I               |                    | 68               |
| Brakelight Switch            |   |                            |                            |     | I | I  | I  | I  | I  | I  | I               |                    | 90               |
| Headlight Aim                |   |                            |                            |     | I | I  | I  | I  | I  | I  | I               |                    | –                |
| Lights/Horn                  |   | I                          |                            |     |   |    |    |    |    |    |                 |                    | –                |
| Clutch System                | W |                            |                            | I   | I | I  | I  | I  | I  | I  | I               |                    | –                |
| KO, II KO type<br>Side Stand |   | I                          |                            |     | I | I  | I  | I  | I  | I  | I               |                    | 91               |
| Suspension                   | W |                            |                            |     | I | I  | I  | I  | I  | I  | I               |                    | –                |
| Nuts, Bolts, Fasteners       | W |                            |                            |     |   | I  |    | I  |    | I  | I               |                    | –                |
| Wheels/Tyres                 | W | I                          |                            |     | I | I  | I  | I  | I  | I  | I               |                    | 76               |
| Steering Head Bearings       | W |                            |                            |     |   | I  |    | I  |    | I  | I               |                    | –                |

**Notes:**

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

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

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

\*4 : Replacement requires mechanical skill.

## Pre-ride Inspection

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

Check the following items before you get on your vehicle:

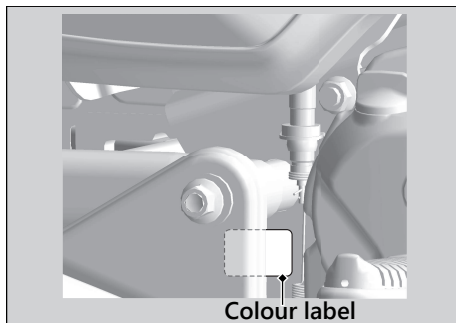
- Fuel level - Fill fuel tank when necessary ➤ P. 57
- Throttle - Check for smooth opening and full closing in all steering positions ➤ P. 94
- Engine oil level - Add engine oil if necessary. Check for leaks ➤ P. 83
- Drive chain - Check condition and slack, adjust and lubricate if necessary ➤ P. 92

- Brakes - Check operation;  
Front: check brake fluid level and pads wear ➤ P. 85, ➤ P. 86  
Rear: check shoes wear and freeplay, adjust if necessary ➤ P. 89, ➤ P. 87
  - Lights and horn - Check that lights, indicators and horn function properly
  - Wheels and tyres - Check condition, air pressure and adjust if necessary ➤ P. 76
- KO, II KO type**
- Side stand ignition cut-off system - Check for proper function ➤ P. 91

## Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety. When ordering coloured components, specify the model name, colour, and code mentioned on the colour label.

The colour label is attached to the frame near the brakelight switch.



### **⚠ 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

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



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

#### NOTICE

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

**What to do in an emergency**

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

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

**⚠ WARNING**

The battery gives off explosive hydrogen gas during normal operation.

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

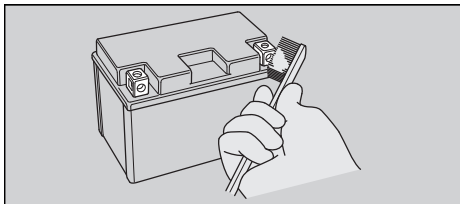
Wear protective clothing and a face shield, or have a skilled mechanic do the battery servicing.

**Cleaning the Battery Terminals**

1. Remove the battery. ➡ P. 80
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

## Maintenance Fundamentals

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



4. After cleaning, reinstall the battery.

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

### NOTICE

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

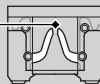
## Fuses

Fuses protect the electrical circuits on your vehicle. If something electrical on your vehicle stops working, check for and replace any blown fuses. ➡ P. 112

### 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. 133

### Blown fuse



### 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.

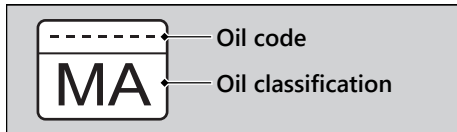
### Selecting the Engine Oil

For recommended engine oil, see "Specifications." ▣ P. 132

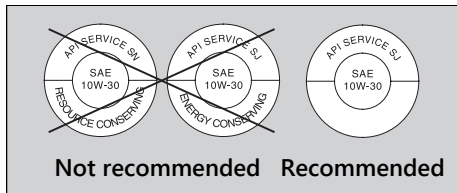
If you use non-Honda engine oil, check the label to make sure that the oil satisfies all of the following standards:

- JASO T 903 standard\*1: MA
- SAE standard\*2: 10W-30
- API classification\*3: SJ 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 SJ or higher oils, excluding oils marked as "Energy Conserving" or "Resource Conserving" on the circular API service symbol.



## Maintenance Fundamentals

### 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. 92

If the chain does not move smoothly, makes strange noises, has damaged rollers, has loose pins, or has 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.



**Normal  
(GOOD)**



**Worn  
(REPLACE)**



**Damaged  
(REPLACE)**

#### NOTICE

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

## **Cleaning and Lubricating**

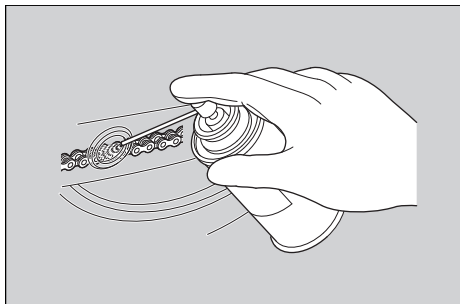
After inspecting the slack, clean the chain and sprockets while rotating the rear wheel. Use a dry cloth with high flash-point solvent. Use a soft brush if the chain is dirty.

After cleaning, wipe dry and lubricate with the recommended lubricant.

### **Recommended lubricant:**

Drive chain lubricant

If not available, use SAE 80 or 90 gear oil.



Never use petrol or low flash point solvents for cleaning the drive chain.

A fire or explosion could result.

Avoid getting lubricant on the brakes or tyres.

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.

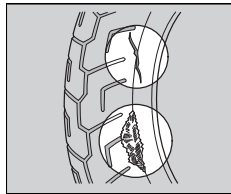
If the drain tube overflows, the air filter may become contaminated with engine oil, causing poor engine performance.

### Tyres (Inspecting/Replacing)

#### Checking the Air Pressure

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

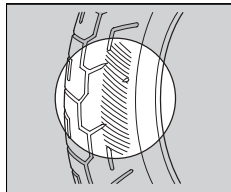
#### Inspecting for Damage



Inspect the tyres for cuts, slits, or cracks that expose fabric or cords, or nails or other foreign objects embedded in the side of the tyre or the tread.

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

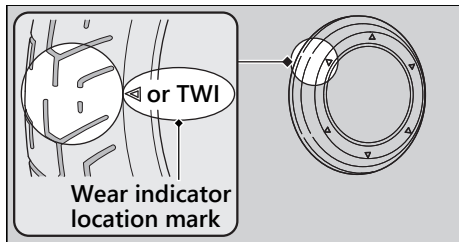
#### Inspecting for Abnormal Wear



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

## Inspecting Tread Depth

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



## ⚠ WARNING

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

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

Have your tyres replaced by your dealer.  
For recommended tyres and air pressure, see  
"Specifications." ➡ P. 132

Follow these guidelines whenever you replace  
tyres:

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

### **WARNING**

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

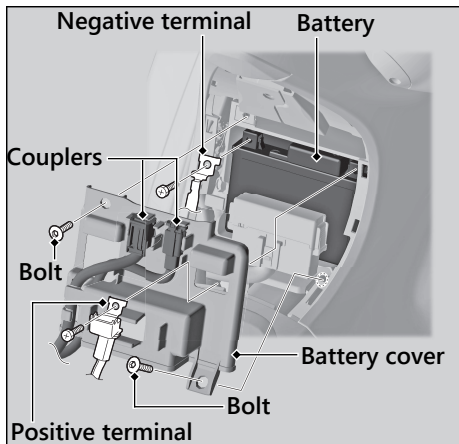
Always use the size and type of tyres  
recommended in this owner's manual.

The tool kit is located behind the right side cover. ➡ P. 61

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

- Standard/Phillips screwdriver
- Screwdriver handle
- 10 × 14 mm Open end wrench
- 5 mm Hex wrench

## Battery



### Removal

Make sure the ignition switch is in the  $\bigcirc$  (Off) position.

1. Remove the centre cover. ➡ P. 82
2. Remove the couplers from the battery cover.
3. Move the battery cover upward by removing the bolts.
4. Disconnect the negative  $\ominus$  terminal from the battery.
5. Disconnect the positive  $\oplus$  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 bolts and nuts are tight.

Make sure the clock information is correct after the battery is reconnected. ➤ P. 25

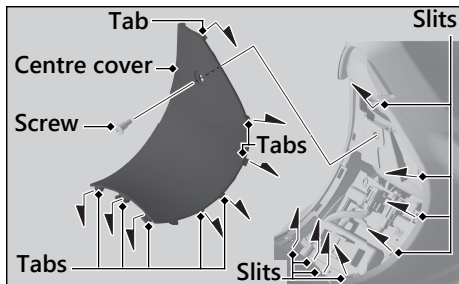
The anti-theft alarm system will be deactivated if the battery is disconnected. The system will remain off when the battery is reconnected.

To activate the system, turn the ignition switch to the **I** (On) position once.

To activate the system, see "Setting the Anti-theft Alarm System." ➤ P. 42

For proper handling of the battery, see "Maintenance Fundamentals." ➤ P. 70  
"Battery Goes Dead." ➤ P. 111

## Centre Cover



### Removal

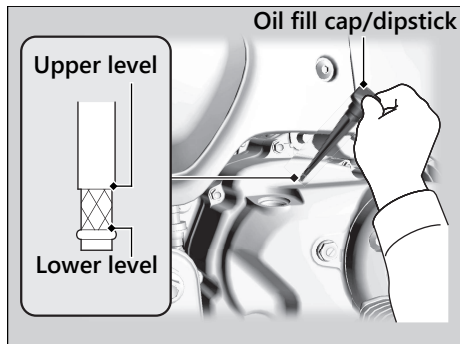
Remove the centre cover by removing the screw.

### Installation

1. Open the left and right body covers slightly, then install the centre 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 centre stand on a firm, level surface.
4. Remove the oil fill cap/dipstick and wipe it clean.
5. Insert the oil fill cap/dipstick until it seats, but don't screw it in.
6. Check that the oil level is between the upper level and lower level marks on the oil fill cap/dipstick.
7. Securely install the oil fill cap/dipstick.



## Adding Engine Oil

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

► P. 73, ► P. 132

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

2. Securely reinstall the oil fill cap/dipstick.

### NOTICE

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

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

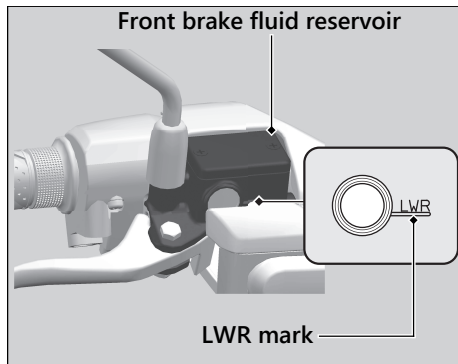
► P. 73

### 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

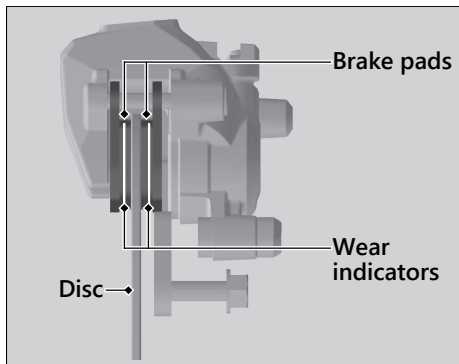
Check the condition of the brake pad wear indicators.

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.

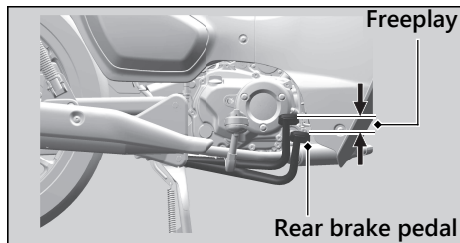


## Inspecting the Rear Brake Pedal Freeplay

1. Place your vehicle on its centre 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:

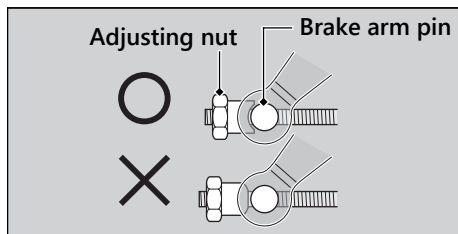
20 - 30 mm (0.8 - 1.2 in)



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

## Adjusting the Rear Brake Pedal Freeplay

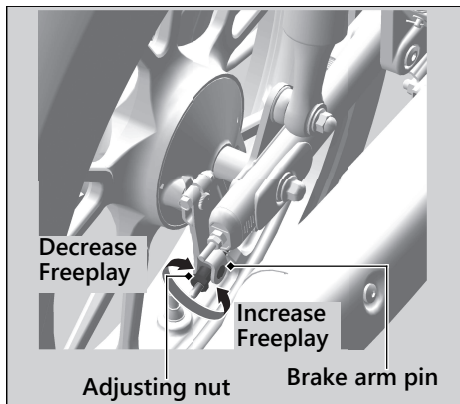
Make sure the cut-out on the adjusting nut is seated on the brake arm pin when adjusting the freeplay.



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

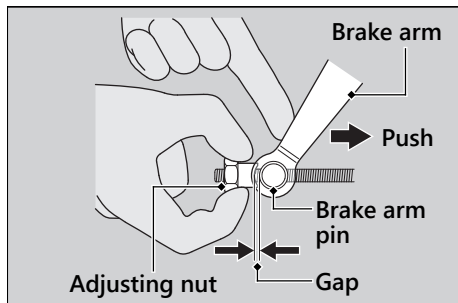
## Brakes ► Adjusting the Rear Brake Pedal Freeplay

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.

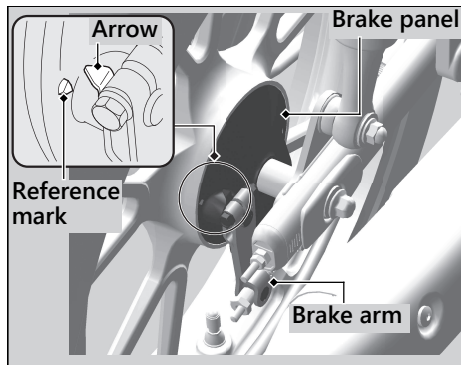
Make sure the brake rod, brake arm, spring and fastener are in good condition.

**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.

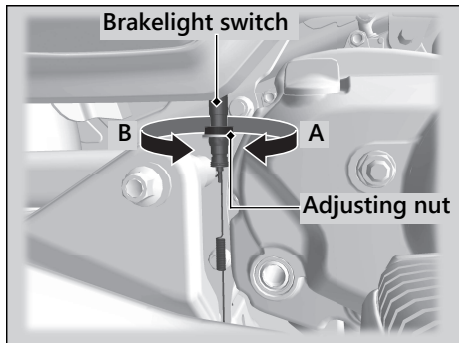


When the brake is applied, an arrow attached to the brake arm moves toward a reference mark on the brake panel. If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced. See your dealer for this service.

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

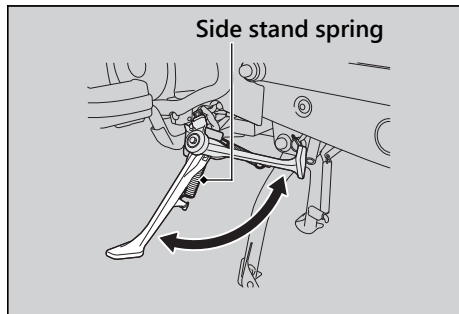
## Adjusting the Brakelight Switch

Check the operation of the brakelight switch. Hold the brakelight 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.



### Checking the Side Stand

KO, II KO type



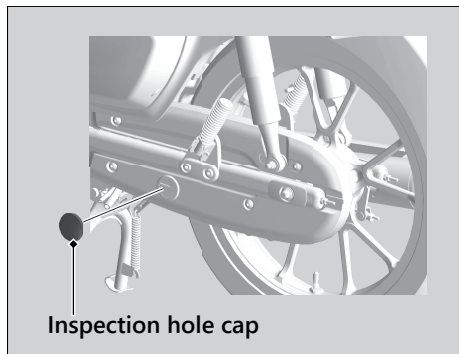
1. Check that the side stand operates smoothly. If the side stand is stiff or squeaky, clean the pivot area and lubricate the pivot bolt with clean grease.
2. Check the spring for damage or loss of tension.
3. Sit on the vehicle, shift the transmission to Neutral, and raise the side stand.
4. Start the engine and shift the transmission into gear.
5. Lower the side stand all the way. The engine should stop as you lower the side stand. If the engine doesn't stop, have your vehicle inspected by your dealer.

### 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 centre stand on a firm, level surface.



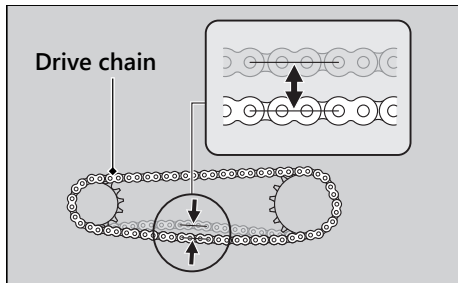
3. Remove the inspection hole cap.

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

### Drive chain slack:

25 - 35 mm (1.0 - 1.4 in)

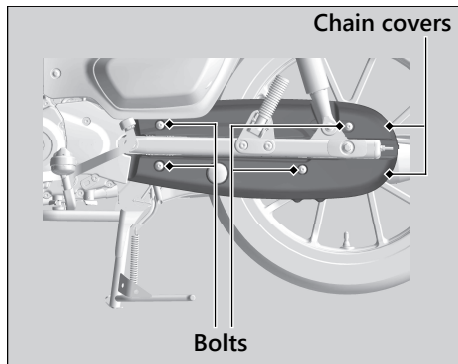
- Do not ride your vehicle if the slack exceeds 50 mm (2.0 in).



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

## Drive Chain ► Inspecting the Drive Chain Slack

6. Remove the chain covers by removing the bolts.



7. Inspect the sprockets. ► P. 74
8. Clean and lubricate the drive chain. ► P. 75
9. Install the parts in the reverse order of removal.
10. Tighten the bolts.

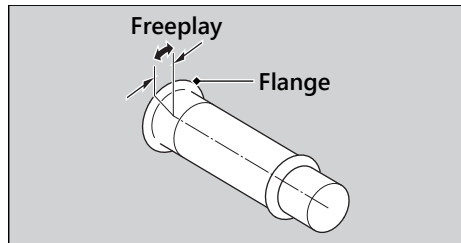
**Torque:** 7 N·m (0.7 kgf·m, 5.2 lbf·ft)

## 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 or close automatically, or if the cable is damaged, have the vehicle inspected by your dealer.

### Freeplay at the throttle grip flange:

2 - 6 mm (0.1 - 0.2 in)



### Replacing the Honda SMART Key Battery

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If the Honda SMART Key indicator flashes 5 times when the ignition switch is turned to the **I** (On) position, or the operating range becomes unstable, replace the battery as soon as possible.

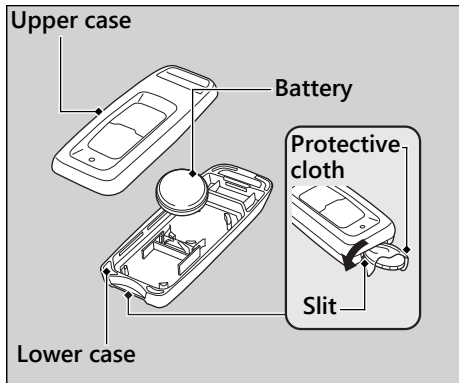
We recommend to see your dealer for this service.

**Battery type:** CR2032 or 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.

**Other Replacement ► Replacing the Honda SMART Key Battery**

2. Replace the old battery with a new battery with the negative  $\ominus$  side facing up.
3. Snap the two halves of the Honda SMART Key back together.
  - Make sure that upper and lower cases are set in the right position.

**⚠ WARNING****CHEMICAL BURN HAZARD**

The battery that powers the Honda SMART Key can cause severe internal burns and can even lead to death if swallowed.

Keep new and used batteries away from children.

If you suspect that a child has swallowed the battery, seek medical attention immediately.

**CAUTION**

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not expose to excessive heat such as sunshine, fire or the like, that can result in an explosion or the leakage of flammable liquid or gas during use, storage or transportation.
- Do not dispose of a battery into fire or a hot oven, or give mechanically crushing or cutting of a battery, that can result in an explosion.
- Do not subject to extremely low air pressure at high altitude that may result in an explosion or the leakage of flammable liquid or gas.

**Europe only**

The battery is manufactured by:

- Maxell, Ltd.  
1 Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun, Kyoto 618-8525 Japan
- Panasonic Energy Co., Ltd.  
1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
- TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION  
1310 Omiya-cho, Saiwai-ku, Kawasaki, Kanagawa 212-0014, Japan

The battery is imported by:

Honda Motor Europe Ltd - Aalst Office  
Wijngaardveld 1(Noord V), 9300 Aalst - Belgium



This product must not be treated as household waste.

# Troubleshooting

|                                                                        |        |
|------------------------------------------------------------------------|--------|
| <b>Engine Will Not Start</b> .....                                     | P. 99  |
| <b>Warning Indicators On or Flashing</b> .....                         | P. 100 |
| PGM-FI (Programmed Fuel Injection)                                     |        |
| Malfunction Indicator Lamp (MIL).....                                  | P. 100 |
| ABS (Anti-lock Brake System) Indicator .....                           | P. 101 |
| Honda SMART Key Indicator .....                                        | P. 102 |
| <b>Other Warning Indications</b> .....                                 | P. 103 |
| Fuel Gauge Failure Indication.....                                     | P. 103 |
| <b>When the Honda SMART Key System Does Not Operate Properly</b> ..... | P. 104 |
| <b>Unlock the Ignition Switch in an Emergency</b> .....                | P. 106 |
| <b>Tyre Puncture</b> .....                                             | P. 110 |
| <b>Electrical Trouble</b> .....                                        | P. 111 |

|                                                              |        |
|--------------------------------------------------------------|--------|
| Battery Goes Dead.....                                       | P. 111 |
| Burned-out Light Bulb .....                                  | P. 111 |
| Blown Fuse .....                                             | P. 112 |
| <b>Unstable Engine Operation Occurs Intermittently</b> ..... | P. 114 |

### **Starter Motor Operates But Engine Does Not Start**

---

Check the following items:

- Check the correct engine starting sequence. ➡ P. 54
- Check that there is petrol in the fuel tank.
- Check if the PGM-FI malfunction indicator lamp (MIL) is on.
  - ▶ If the indicator lamp is on, contact your dealer as soon as possible.

### **Starter Motor Does Not Operate**

---

Check the following items:

- Check the correct engine starting sequence. ➡ P. 54
- Check for a blown fuse. ➡ P. 112
- Check for a loose battery connection (➡ P. 80) or battery terminal corrosion (➡ P. 70).
- Check the condition of the battery.
  - ➡ P. 111

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

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

#### Reasons for the indicator lamp to come on or blink

- Comes on if there is a problem with the engine emissions control system.
- Blinks when engine misfiring is detected.

#### What to do when the indicator lamp comes on

Avoid high speeds and immediately get your vehicle inspected at a dealer.

##### NOTICE

If you drive with the malfunction indicator lamp on, the emissions control system and the engine could be damaged.

#### What to do when the indicator lamp blinks

Park the vehicle in a safe place with no flammable items and wait at least 10 minutes with the engine stopped until it cools.

##### NOTICE

If the malfunction indicator lamp blinks again when restarting the engine, drive to the nearest dealer at 50 km/h (31 mph) or less. Have your vehicle inspected.

## 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 **I** (On) position.
- Indicator does not go off at speeds above 10 km/h (6 mph).

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 **O** (Off) position, and then to the **I** (On) position again. The ABS indicator will go off after your speed reaches 30 km/h (19 mph).

## Honda SMART Key Indicator

### When the Honda SMART Key indicator flashes 5 times

**Replacing the Honda SMART Key Battery** ➤ P. 95

### 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, automatically go off, and then the ignition switch will lock.

► Turn signals blink at the beginning and end of this function.

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.

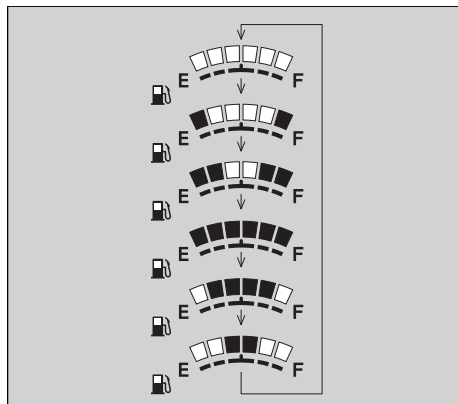
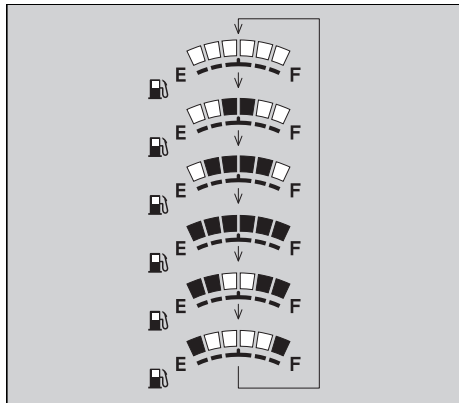
If you do not have the Honda SMART Key, the ignition switch can be unlocked in another way. ➤ P. 106

## Other Warning Indications

### 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. 34

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.

## When the Honda SMART Key System Does Not Operate Properly

- 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.

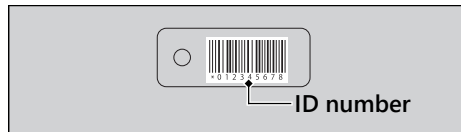
- Check the battery condition and battery lead in your vehicle.  
Check the battery and battery terminals. If the battery is weak, contact your dealer.

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

# Unlock the Ignition Switch in an Emergency

## Set up to ID number input mode

1. Check the ID number on the ID tag.
2. Press and hold the ignition switch for more than 4 seconds.
  - ▶ The ignition switch ring and the Honda SMART Key indicator flash for 5 seconds.
3. Press the ignition switch within 5 seconds when the ignition switch ring and the Honda SMART Key indicator are flashing.
  - ▶ The ignition switch ring and the Honda SMART Key indicator stay lit, and the buzzer rings. And then the ID number input mode turns on.



## 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.

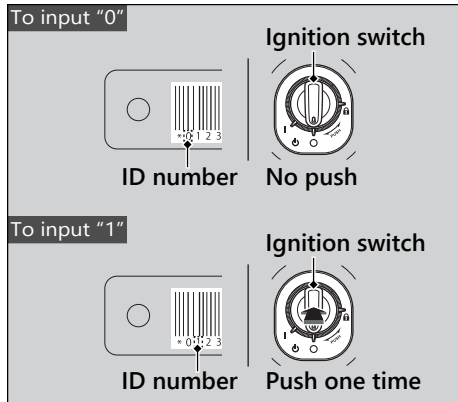
The ID number is authenticated according to the number of times the ignition switch is pushed.

Push the ignition switch the desired number of times within 5 seconds when the ignition switch ring and the Honda SMART Key indicator come on. After 5 seconds, the buzzer rings once, the ignition switch ring and the Honda SMART Key indicator go off and come 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.



## Unlock the Ignition Switch in an Emergency

### ID number input success

After the last ID number is input, the ignition switch ring and the Honda SMART Key indicator come on, the buzzer rings twice.

Turn the ignition switch to the **I** (On) position within 6 minutes. You can start the engine.

To lock the ignition switch, turn the ignition switch to the **O** (Off), or **L** (Lock) position, and press and hold the ignition switch for more than 2 seconds.

The ignition switch also locks automatically when the ignition switch has been in the **O** (Off), or **L** (Lock) position for about 6 minutes.

When the ignition switch is locked, the ignition switch ring and the Honda SMART Key indicator go off, the buzzer rings once, the turn signals flash once.

To unlock the ignition switch again, redo the "Unlock the Ignition Switch in an Emergency" procedure. ➡ P. 106

### ID number input failure

After the last ID number is input, the ignition switch ring and the Honda SMART Key indicator flash 3 times, the buzzer rings once, and then go off.

The ignition switch does not unlock.

Redo the "Unlock the Ignition Switch in an Emergency" procedure. ➡ P. 106

### ID number input cancel

If you make a mistake while inputting your ID, do one of the following:

- Press and hold the ignition switch and then the buzzer rings once, the ignition switch ring and the Honda SMART Key indicator to turn off.
- Do not press the ignition switch, just wait for the buzzer rings once, the ignition switch ring and the Honda SMART Key indicator to turn off.

Redo the "Unlock the Ignition Switch in an Emergency" procedure. ➡ P. 106

Repairing a puncture or removing a wheel requires special tools and technical expertise. We recommend you have this type of service performed by your dealer.

After an emergency repair, always have the tyre inspected/replaced by your dealer.

### Emergency Repair Using a Tyre Repair Kit

---

If your tyre has a minor puncture, you can make an emergency repair using a tubeless tyre repair kit.

Follow the instructions provided with the emergency tyre repair kit.

Riding your vehicle with a temporary tyre repair is very risky. Do not exceed 50 km/h (30 mph). Have the tyre replaced by your dealer as soon as possible.

### **WARNING**

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

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

### Battery Goes Dead

---

Charge the battery using a motorcycle battery charger.

Remove the battery from the 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.

### Burned-out Light Bulb

---

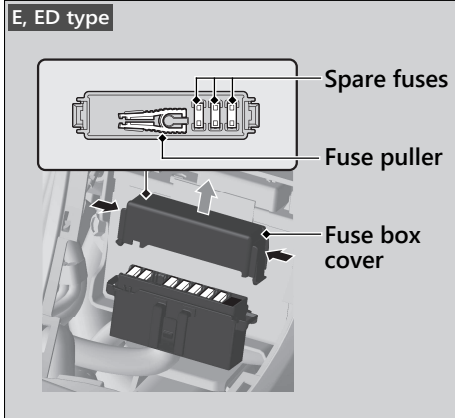
All light bulbs on the vehicle are LEDs. If there is an LED which is not turned on, see your dealer for servicing.

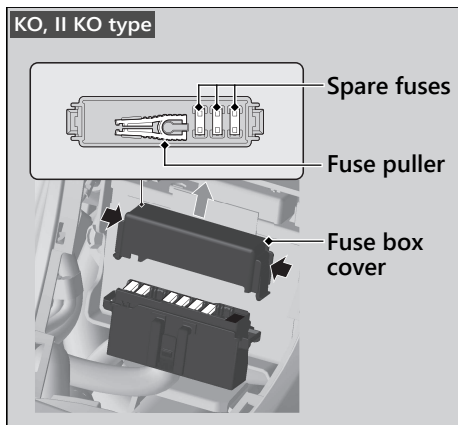
## Blown Fuse

Before handling fuses, see "Inspecting and Replacing Fuses." ► P. 72

### Fuse Box Fuses

1. Remove the centre cover. ► P. 82
2. Remove the battery cover. ► P. 80
3. Remove the fuse box cover.
4. Pull the fuses out one by one with the fuse puller located back side of the fuse box cover and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
  - Spare fuses are provided on back side of the fuse box cover.
5. Install the parts in the reverse order of removal.



**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

|                                            |        |
|--------------------------------------------|--------|
| Service Diagnostic Recorders .....         | P. 116 |
| Keys.....                                  | P. 117 |
| Instruments, Controls, & Other Features... | P. 121 |
| Caring for Your Vehicle.....               | P. 122 |
| Storing Your Vehicle.....                  | P. 125 |
| Transporting Your Vehicle .....            | P. 126 |
| You & the Environment .....                | P. 127 |
| Serial Numbers .....                       | P. 128 |
| Fuels Containing Alcohol .....             | P. 129 |
| Catalytic Converter .....                  | P. 130 |

## Service Diagnostic Recorders

Your vehicle is equipped with service-related devices that record information about powertrain performance and riding conditions. The data can be used to help technicians diagnose, repair and maintain the vehicle. This data may not be accessed by anyone else except as legally required or with the permission of the vehicle owner.

However this data may be accessed by Honda, its authorised dealers and authorised repairers, employees, representatives and contractors only for the purpose of the technical diagnosis, research and development of the vehicle.

# 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.

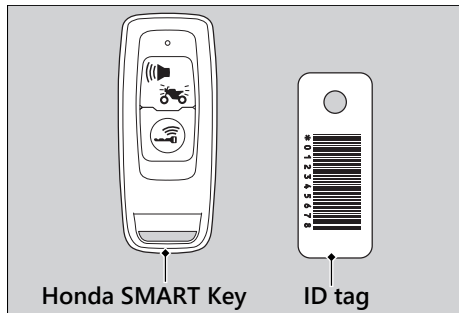
## Keys

- 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.



## EU Directive

This Honda SMART Key system complies with the RE (Radio Equipment) Directive (2014/53/EU).



The declaration of conformity to RE Directive is provided to the owner at the time of purchase. The declaration of conformity should be kept at a safe place. When the declaration of conformity is lost or is not provided, contact your dealer.

## Singapore only

Complies with  
IMDA Standards  
C080226241

## Korea only

|       |     |                                                                                     |
|-------|-----|-------------------------------------------------------------------------------------|
| 申請者名  | 共通  | Honda Lock Mfg. Co., Ltd. or Honda Lock                                             |
| 製品の名称 | FOB | 특정소출력 무선기기(데이터전송용 무선기기)                                                             |
|       | ECU | 미약전계강도 무선기기                                                                         |
| モデル名  | FOB | HLSS-6B                                                                             |
|       | ECU | HLSS-6A                                                                             |
| 製造者名  | 共通  | Honda Lock Mfg. Co., Ltd.                                                           |
| 製造国   | 共通  | 베트남 ( 베트남 )                                                                         |
| KCロゴ  | 共通  |  |
| 識別符号  | FOB | R-C-HLJ-HLSS-6B                                                                     |
|       | ECU | R-R-HLJ-HLSS-6A                                                                     |

Italy, France, Denmark, Spain, Turkey, UK only

### CAUTION

Do not dispose a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

### WARNING

Do not ingest the battery, Chemical Burn Hazard.

(The remote control supplied with) This product contains a coin/button cell battery.

If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

### CAUTION

Don't expose the key to high temperatures on places such as the instrument panel or bonnet, under direct sunlight.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# Instruments, Controls, & Other Features

## Ignition Switch

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

Do not turn the ignition switch while riding.

## Odometer

The display remains at 999,999 when the odometer exceeds 999,999.

## Tripmeter

Each tripmeter resets to 0.0 when the trip mileage 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 capacitor being discharged when the ignition switch is turned to the **I** (On) position immediately after the engine is stopped with the high beam.

## Headlight

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

## 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. Also, mud and dust may accelerate front suspension wear and cause oil leaks. Always wash your vehicle thoroughly after riding on coastal, treated, muddy or dusty 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 tyres. 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 tyres and brakes.
  - ▶ If your vehicle has any mat painted parts, do not apply a coat of wax to the mat painted surface.

## **I 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 mat painted surfaces:
    - ▶ Use a soft cloth or sponge, plenty of water, and a mild detergent to clean mat painted surfaces. Dry with a soft clean cloth.

### Aluminium Components

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

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

### Panels

Follow these guidelines to prevent scratches and blemishes:

- Wash gently using a soft sponge and plenty of water.
- To remove stubborn stains, use diluted detergent and rinse thoroughly with plenty of water.
- Avoid getting petrol, brake fluid, or detergents on the instruments, panels, or 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 mat painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. ➤ P. 74
- Place your vehicle on its centre stand and position a block so that both tyres are off the ground.
- After rain, remove the body cover and allow the vehicle to dry.
- Remove the battery (➤ P. 80) 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.

## 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 with a wheel or wheels on the ground 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.

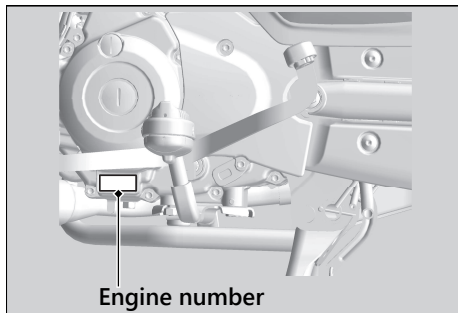
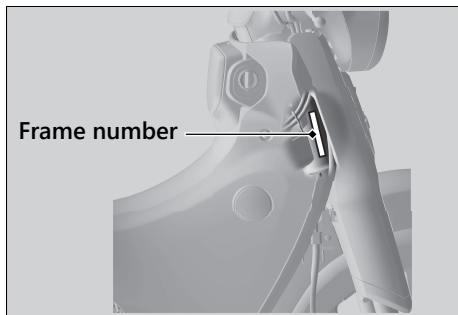
### Recycle Wastes

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

## Serial Numbers

The frame and engine serial numbers uniquely identify your 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.



## Fuels Containing Alcohol

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

The following fuel blends can be used in your vehicle:

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

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

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

### NOTICE

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

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

## Catalytic Converter

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

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

# Specifications

## ■ Main Components

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| Overall length             | 1,915 mm (75.4 in)                                             |
| Overall width              | E, ED type 720 mm (28.3 in)<br>KO, II KO type 705 mm (27.8 in) |
| Overall height             | 1,000 mm (39.4 in)                                             |
| Wheelbase                  | 1,245 mm (49.0 in)                                             |
| Minimum ground clearance   | 125 mm (4.9 in)                                                |
| Caster angle               | 26° 30'                                                        |
| Trail                      | 71 mm (2.8 in)                                                 |
| Curb weight                | E, ED type 111 kg (245 lb)<br>KO, II KO type 110 kg (243 lb)   |
| Maximum weight capacity *1 | E, ED type 150 kg (331 lb)<br>KO, II KO type 130 kg (287 lb)   |
| Maximum luggage weight     | E, ED type 5 kg (11 lb)                                        |
| Passenger capacity         | Rider and 1 passenger                                          |
| Minimum turning radius     | 2.00 m (6.6 ft)                                                |

\*1: Including rider, passenger, all luggage, and accessories

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| Displacement                      | 124 cm <sup>3</sup> (7.6 cu-in)                  |
| Bore x stroke                     | 50.0 x 63.1 mm (1.97 x 2.48 in)                  |
| Compression ratio                 | 10.0 : 1                                         |
| Fuel                              | Unleaded petrol<br>Recommended: 91 RON or higher |
| Fuel containing alcohol           | ETHANOL up to 10 % by volume                     |
| Tank capacity                     | 3.7 L (0.98 US gal, 0.81 Imp gal)                |
| Battery                           | YTZ5S<br>12 V-3.5 Ah (10 HR) / 3.7 Ah (20 HR)    |
| Gear ratio                        | 1st 2.500                                        |
|                                   | 2nd 1.550                                        |
|                                   | 3rd 1.150                                        |
|                                   | 4th 0.923                                        |
| Reduction ratio (primary / final) | 3.428 / 2.500                                    |

## Specifications

### ■ Service Data

|                                          |                                                                                                                                                                                  |                                             |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Tyre size                                | Front                                                                                                                                                                            | 70/90-17M/C 38P                             |
|                                          | Rear                                                                                                                                                                             | 80/90-17M/C 50P                             |
| Tyre type                                | Bias-ply, tubeless                                                                                                                                                               |                                             |
| Recommended Tyre                         | Front                                                                                                                                                                            | IRC NF63B YD                                |
|                                          | Rear                                                                                                                                                                             | IRC NR94                                    |
|                                          | Normal                                                                                                                                                                           | Permitted                                   |
| Tyre category of use                     | Special                                                                                                                                                                          | Not Permitted                               |
|                                          | Snow                                                                                                                                                                             | Not Permitted                               |
|                                          | Moped                                                                                                                                                                            | Not Permitted                               |
| Tyre air pressure (Rider only)           | Front                                                                                                                                                                            | 200 kPa (2.00 kgf/cm <sup>2</sup> , 29 psi) |
|                                          | Rear                                                                                                                                                                             | 225 kPa (2.25 kgf/cm <sup>2</sup> , 33 psi) |
| Tyre air pressure (Rider and 1passenger) | Front                                                                                                                                                                            | 200 kPa (2.00 kgf/cm <sup>2</sup> , 29 psi) |
|                                          | Rear                                                                                                                                                                             | 280 kPa (2.80 kgf/cm <sup>2</sup> , 41 psi) |
| Spark plug                               | (standard)                                                                                                                                                                       | CPR7EA-9S (NGK)                             |
| Spark plug gap                           | 0.8 - 0.9 mm (0.03 - 0.04 in)                                                                                                                                                    |                                             |
| Idle speed                               | 1,400 ± 100 rpm                                                                                                                                                                  |                                             |
| Recommended engine oil                   | Honda 4-stroke motorcycle oil API Service Classification SJ or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard MA |                                             |

|                                   |                                                                       |                                  |
|-----------------------------------|-----------------------------------------------------------------------|----------------------------------|
| Engine oil capacity               | After draining                                                        | 0.8 L (0.8 US qt, 0.7 Imp qt)    |
|                                   | After draining & engine oil filter change                             | 0.85 L (0.90 US qt, 0.75 Imp qt) |
|                                   | After disassembly                                                     | 1.0 L (1.1 US qt, 0.9 Imp qt)    |
| Recommended brake fluid           | Honda DOT 3 or DOT 4 Brake Fluid                                      |                                  |
| Recommended drive chain lubricant | Drive chain lubricant<br>If not available, use SAE 80 or 90 gear oil. |                                  |
| Drive chain slack                 | 25 - 35 mm (1.0 - 1.4 in)                                             |                                  |
| Standard drive chain              | RK420ZL<br>DID420NSD                                                  |                                  |
|                                   | No. of links                                                          | 106                              |
| Standard sprocket size            | Drive sprocket                                                        | 14T                              |
|                                   | Driven sprocket                                                       | 35T                              |

**■ Bulbs**

|                      |     |
|----------------------|-----|
| Headlight            | LED |
| Brakelight/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, 7.5 A |

**■ Torque Specifications**

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





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32K0GC20  
00X32-K0G-C200

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