Honda

OWNER'S MANUAL

Expected Life. Unexpected Discoveries.

Honda WN7

This manual should be considered a permanent part of the vehicle and kept accessible to ensure its correct and safe use.

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

For any query or assistance, please call Customer care number: 1800 103 3434 (Toll free)

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Welcome

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

To ensure your safety and riding pleasure:

- Read this owner's manual carefully.
- Follow all recommendations and procedures contained in this manual.
- Pay close attention to safety messages contained in this manual and on the vehicle.
- The following codes in this manual indicate the destination.
- The illustrations here in are based on the Honda WN7 (EVF18) ED type.

Destination Code

Code	Destination
Honda WN7 (EVF18)	
ED, II ED	European direct sales, United Kingdom, India, Hong Kong, Israel
Honda WN7 (EVF11)	
VIII ED, IX ED	European direct sales, United Kingdom

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 title:

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

Contents

Vehicle Safety P. 2

Operation Guide P. 24

Maintenance P. 155

Troubleshooting P. 189

Information P. 220

Specifications P. 238

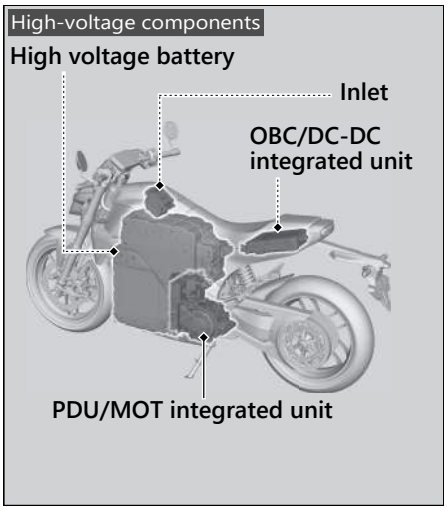
Vehicle Safety

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

Safety Operation for Electric Vehicle..... P. 3
Safety Guidelines..... P. 5
Image Labels..... P. 9
Safety Precautions..... P. 15
Riding Precautions..... P. 17
Accessories & Modifications..... P. 22
Loading..... P. 23

Safety Operation for Electric Vehicle

Handling of Electric Vehicle



- A high voltage battery that drives the motor and a 12 V battery that powers the lighting unit are built into the electric vehicle. If you notice any abnormalities with high voltage battery, contact your authorised dealer immediately.

⚠WARNING

High voltage is applied through all components of the vehicle and their wiring (orange colour).
Disassembling or modifying the vehicle could cause you to suffer electric shock or a fire to ignite, which may kill or seriously injure you.

Observe the following rules regarding these high-voltage parts.

- Do not disassemble, modify, or touch these parts.
- Contact your authorised dealer for inspections and repairs.

Continued

NOTICE
If the vehicle is immersed in water, the water may cause a malfunction. Avoid riding through flooded roads.

- Be aware of the following after a crash.
  - ▶ You may suffer from electric shock if you are involved in a crash that greatly damages or deforms the vehicle. Never touch high-voltage components or their wiring (orange colour). ➡ P. 3
  - ▶ Do not touch electrolyte solution. If any electrolyte solution gets in your eyes or on your skin, it may irritate your eyes and skin or cause burns.
    First-aid for emergencies ➡ P. 162
  - ▶ If a fire ignites, use a fire extinguisher suitable for electrical fires. Attempting to extinguish an electrical fire with a small quantity of water can be rather dangerous. When using water to extinguish an electrical fire in an emergency, make sure to use a large quantity of water from a fire hydrant or something similar.

⚠WARNING

Since your vehicle uses a high voltage battery, if you respond incorrectly when an accident occurs, it may cause unexpected problems that result in death or serious injury.

If you are involved in a crash, follow the procedures and instructions stated in this manual.

Safety Guidelines

Follow these guidelines to enhance your safety:

- Perform all routine and regular inspections specified in this manual.

Always Wear a Helmet

It's a proven fact: helmets and protective apparel significantly reduce the number and severity of head and other injuries. Always wear an approved helmet and protective apparel.
➔P. 15

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. 23), and do not modify your vehicle or install accessories that would make your vehicle unsafe (P. 22).

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 electrical system off, 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.
If a crash severely damaged your vehicle, there is possibility of electrical shock. Do not touch the high voltage system components or their wiring (orange colour).

- Avoid contact with high voltage battery fluid.
  - ▶ The high voltage battery fluid may leak as a result of a severe crash. Avoid any skin or eye contact with the fluid. The high voltage battery fluid is corrosive. If you accidentally touch it, flush the affected area(s) with a large quantity of water for at least five minutes, and seek medical attention immediately.
- Use a fire extinguisher for an electrical fire.
  - ▶ Attempting to extinguish an electrical fire with a small quantity of water can be dangerous.

⚠WARNING

Since high voltage is applied to the high voltage battery of this vehicle, if you touch with the high-voltage components when an accident occurs, it may cause an unexpected accident involving electric shock, resulting in death or serious injury.

Please follow the methods and instructions stated in this manual when accident happens.

High Voltage Battery

If an abnormal smell is coming from the high voltage battery, there may be something wrong with them. Immediately stop your vehicle in a safe place outside that is away from anything flammable, turn the electrical system off, and then contact your authorised dealer.

Image Labels

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 authorised 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 authorised 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.

sample



12 V 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.
- Do not knock down the battery.
- Do not put in short the terminals of the battery.



RADIATOR CAP LABEL
DANGER
NEVER OPEN WHEN HOT.
Hot coolant will scald you.
Relief pressure valve begins to open at 1.1 kgf/cm^2.



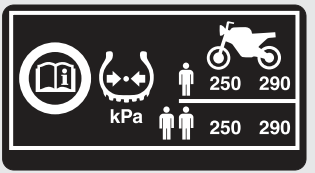
ACCESSORIES AND LOADING WARNING LABEL
WARNING
ACCESSORIES AND LOADING

- 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 fitting of large fork-mounted or large handlebar mounted fairing is not recommended.



REAR CUSHION LABEL
GAS FILLED
Do not open. Do not heat.

Continued



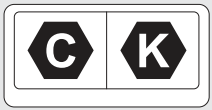
TYRE INFORMATION LABEL
Cold tyre pressure:
[Driver only]
Front
250 kPa (2.50 kgf/cm², 36 psi)
Rear
290 kPa (2.90 kgf/cm², 42 psi)
[Driver and passenger]
Front
250 kPa (2.50 kgf/cm², 36 psi)
Rear
290 kPa (2.90 kgf/cm², 42 psi)



DRIVE BELT LABEL
In the interest of safety, adjust or replace to be serviced only by your dealer.

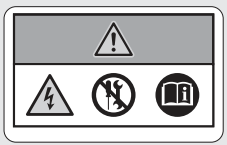


SAFETY REMINDER LABEL
For your protection, always wear helmet, protective apparel.



CHARGER IDENTIFIER LABEL

Charging equipment with the identifier of "C " is compatible with AC charging, and with the identifier of "K" is compatible with DC charging.



DISASSEMBLY LABEL

WARNING

- Do not disassemble this unit.
- Parts inside the cover should only be handled by qualified technicians.
- Read Owner's Manual.



CHARGE LABEL

CAUTION

- High voltage is applied during charging. Make sure there is no water around and your hands are dry.
- Make sure the charging connector and inlet are clean and free of foreign objects.
- Read Owner's Manual.



HIGH VOLTAGE BATTERY LABEL
WARNING

- Electrocution hazard.
- Keep flame and spark away from the high voltage battery. High voltage battery produce explosive gas that can cause explosion.
- Do not disassemble this unit.
- Read this manual carefully and understand it before handling the high voltage battery. Neglect of the instructions can cause personal injury and damage to the vehicle.

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.
- The motor does not make any noise, so be aware of the conditions around you. Also, be mindful of other vehicles and pedestrians.

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.

Continued

Helmet

Should be safety-standard certified, high-visibility, and the 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 100 km (60 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.
- Ride conservatively.

Brakes

Observe the following guidelines:

- Avoid excessively hard braking.
  - ▶ 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.
- For full braking effectiveness, operate both the front and rear brakes together.

Anti-lock Brake System (ABS)

This model is equipped with an Anti-lock Brake System (ABS) designed to help prevent the brakes from locking up during hard braking. The ABS functions with information provided by the IMU (Inertia Measurement Unit).

- 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 and pedal may recoil slightly when applying the brakes. This is normal.
- Always use the recommended front/rear tyres to ensure correct ABS operation.

Regenerative Braking

When the vehicle is slowing down or riding downhill, the electric motor acts as a generator, recovering some of the energy used to accelerate the vehicle.

The regenerative force that the electric motor exerts on the wheels when in regenerative mode helps slow the vehicle. If you want to slow your vehicle at a faster speed without using the brakes, you can select the higher level of deceleration power selector to use higher resistance. ➔P. 112

- ▶ When the high voltage battery is nearly fully charged or when the high voltage battery temperature is too low/high, regenerative braking may not work or may be less effective.
- ▶ Regenerative braking will not operate when the regenerative braking OFF indicator is displayed. ➔P. 113, ➔P. 201

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.

Continued

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 area near the motor, the brakes, or other high-temperature parts until they cool down.
- To reduce the likelihood of theft, always lock the handlebar (➔P. 91) and leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary. ➔P. 94
  Use of an anti-theft device is also recommended.

Parking with the Side Stand

1. Push the side stand down.
2. 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. Lock the steering. (➔P. 91)
   Then, leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary.
   ➔P. 94

Honda Selectable Torque Control

When the Honda Selectable Torque Control (Torque Control) detects rear wheel spin during acceleration and wheel lock caused by regenerative braking during deceleration, the system will limit the amount of torque applied to the rear wheel.

Torque Control may not compensate for rough road conditions or rapid throttle operation. Always consider road and weather conditions, as well as your skills and condition, when applying throttle.

If your vehicle gets stuck in mud, snow, or sand, it may be easier to free it by turning off the Torque Control temporarily.
Temporarily turning off Torque Control also may help you maintain control and balance when riding on off-road terrain.
Always use the recommended tyres and pulleys to ensure correct Torque Control operation.

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.

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.

⚠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.

⚠WARNING

Use of improperly designed, engineered or manufactured high voltage battery assemblies could cause a fire in your vehicle.

A vehicle fire could result in a crash or injury.

Only use a genuine Honda high voltage battery assembly, or its equivalent, in your vehicle.

Loading

- Carrying extra weight affects your vehicle's handling, braking, and stability.
  Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
  Maximum weight capacity P. 238
- Tie all luggage securely, evenly balanced, and close to the centre of the vehicle.
- Do not place objects near the lights or the motor.

⚠WARNING

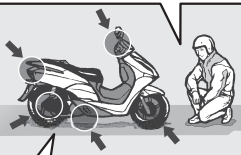
Overloading or improper loading can cause a crash and you can be seriously hurt or killed.

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

Basic Operation Flow

Pre-ride Inspection P.160

Carefully inspect your vehicle to make sure that it is safe to ride.
Check the remaining charge for the high voltage battery.



How to use basic features.

- Instruments P.28
- Indicators P.83
- Switches P.86
- Steering Lock P.91
- Honda SMART Key System P.93
- Answer Back System P.100

Activating the Motor P.116

Check if the area around you is safe, and then activate the motor.



Starting the Vehicle P.123

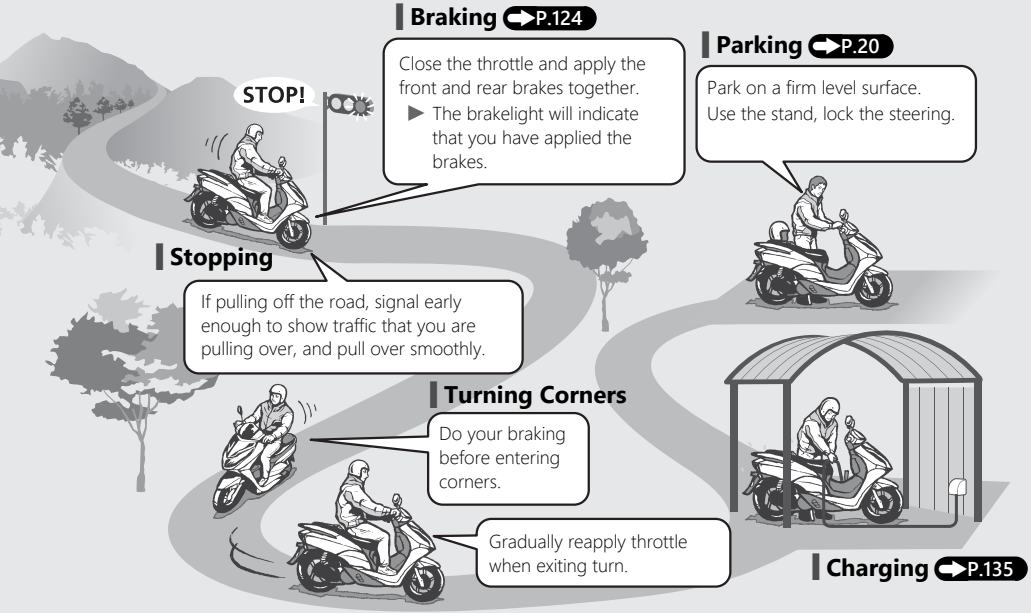
Before pulling away, indicate your direction with the turn signal switch, and check for oncoming traffic.



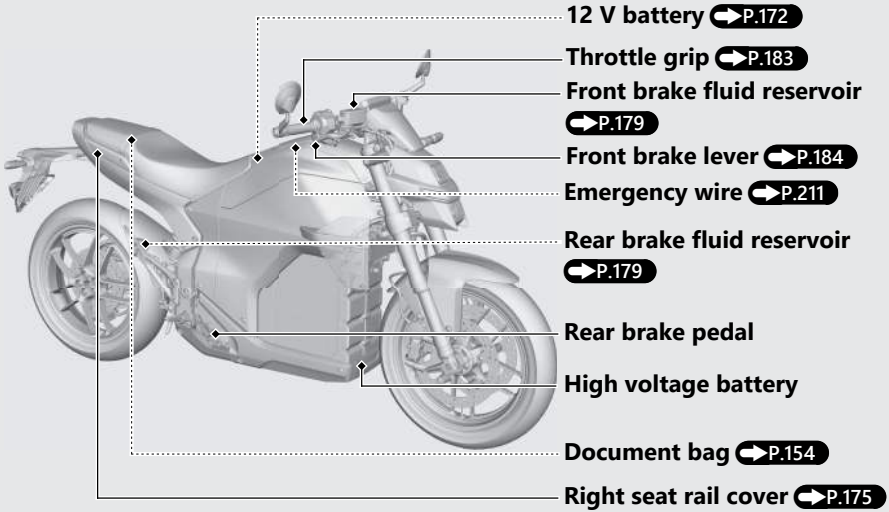
Acceleration P.123

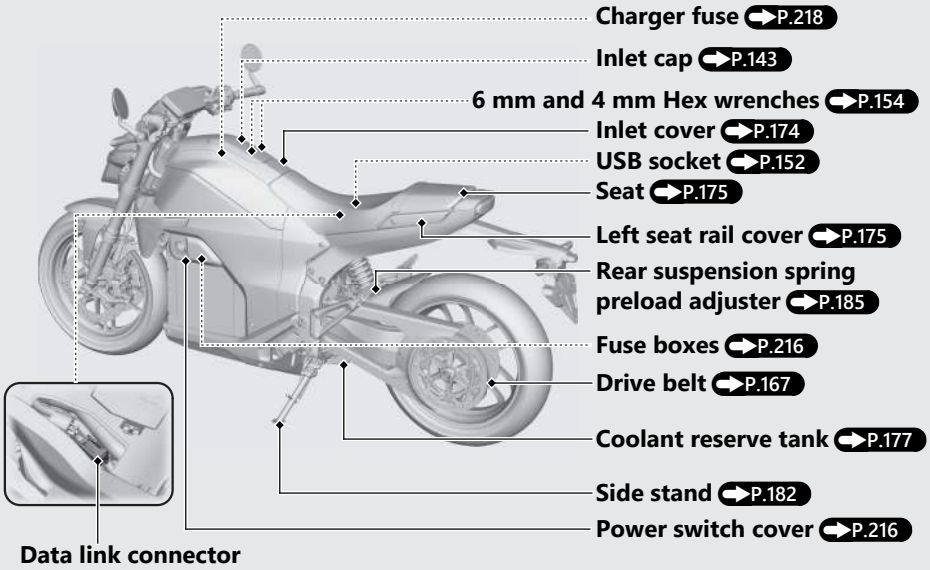
Apply throttle gradually.
Obey the speed limit.




Braking P.124
Close the throttle and apply the front and rear brakes together.
▶ The brakelight will indicate that you have applied the brakes.
STOP!
Parking P.20
Park on a firm level surface.
Use the stand, lock the steering.
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.
Charging P.135

Parts Location



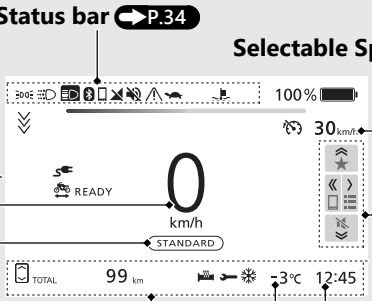

Charger fuse P.218
Inlet cap P.143
6 mm and 4 mm Hex wrenches P.154
Inlet cover P.174
USB socket P.152
Seat P.175
Left seat rail cover P.175
Rear suspension spring preload adjuster P.185
Fuse boxes P.216
Drive belt P.167
Coolant reserve tank P.177
Side stand P.182
Power switch cover P.216
Data link connector

Instruments



You can change the speed and mileage meter unit. P.50 P.70
Do not operate the display functions for a long time with the motor inactivated. It may result in a low (or dead) 12 V battery.

Standard display:



Status bar P.34

Selectable Speed Limit Assist display P.119

Selectable area P.46

Speedometer

Riding mode indicator P.111

It displays current riding mode.

Clock (12-hour or 24-hour display)
To set the clock: P.50 P.69

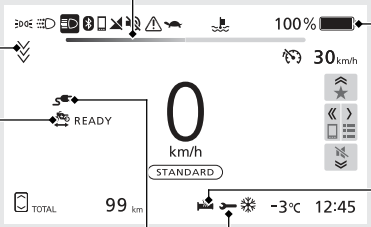
Air temperature gauge P.38

INFO area P.39 **/Pop-up information** P.81

Instruments *(Continued)*

Deceleration power selector level indicator P.112

POWER/CHARGE Gauge P.37



PUSH START/READY indicator P.36

High voltage battery gauge (bar/number) P.33

Grip heater indicator P.109

Charging connector indicator

- Comes on when the high voltage battery charging cable connector is connected to the vehicle.
- Goes off when the high voltage battery charging cable connector is disconnected from the vehicle.

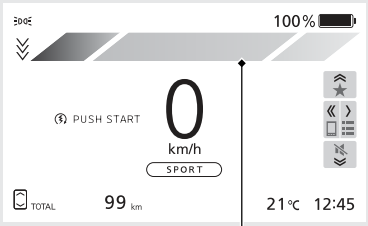
Maintenance indicator

- Comes on when reach the next periodic inspection time. P.75
- Comes on when the high voltage battery is degraded.

When the riding mode is selected as SPORT, two other display types can be selected: BAR or CIRCLE.

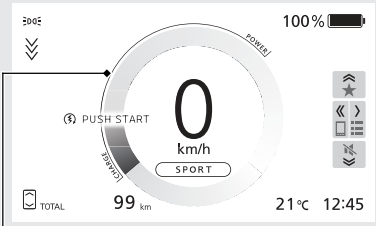
To change the display type: P.62

Display type: BAR



POWER/CHARGE Gauge P.37

Display type: CIRCLE

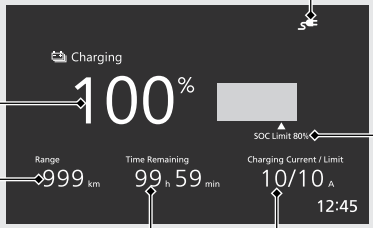


POWER/CHARGE Gauge P.37

Instruments *(Continued)*

While charging, meter is displayed following. P.147

Display sample: Using AC charging



High voltage battery level meter

Charging cable connector indicator P.30

SOC (State Of Charge) limit P.60 P.147

Range P.41

Time Remaining P.147

Charging current/limit P.61 P.147

▶ When use CCS2 DC charger, charging current is only display. P.147

High voltage battery gauge (bar/number)

The remaining charge for the high voltage battery appears.

How the bar and number in the high voltage battery gauge decrease differs depending on the operating environment and how you ride. When they decrease, you must charge your vehicle.

▶ If the remaining charge for the high voltage battery falls below 20%, the high voltage battery gauge number flashes and high voltage battery gauge bar is changed orange. If it is occur charge the high voltage battery as soon as possible

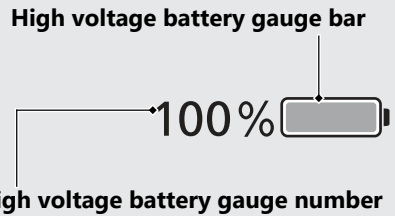
▶ If the remaining battery charge for motor falls below 0%, you will not be able to ride your vehicle.

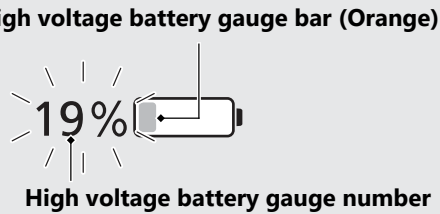
The high voltage battery gauge number may change in the following cases:

- When the error in the remaining charge is corrected.
- When the temperature of the high voltage battery changes.

Do not ride your vehicle when remaining charge for the high voltage battery falls very low on charge as this can cause deterioration.

High voltage battery gauge failure indication P.203





Instruments *(Continued)*

Status bar



Position light indicator

High beam indicator

Status icons
Displays the status of the Honda RoadSync system. P.103

DRL indicator P.132

High coolant temperature indicator
Comes on when the coolant temperature becomes high. Refer to "Overheating" P.196

System fail indicator
Comes on when the system is fail.
When the indicator comes on P.199



Power limitation indicator
Comes on an abnormal temperature on high voltage battery or other electrical system or low SOC (State Of Charge) on high voltage battery is detected, power limitation indicator comes on to preserve the high voltage battery and other electrical system. The power is limited, but you can still ride.
Flashes before power limitation occurs to inform you that power limitation is imminent.
When the indicator comes on or flashes P.200

Instruments *(Continued)*

PUSH START/READY indicator

PUSH START indicator

Flashes if the motor can be activated when the electrical system is turned on.

When the PUSH START indicator does not flash P.190

READY indicator

Comes on when riding is possible and when you are riding.

POWER/CHARGE Gauge

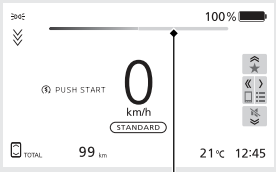
Battery discharge in progress:

The degree to which the high voltage battery is being discharged is displayed by the readings on the POWER side.

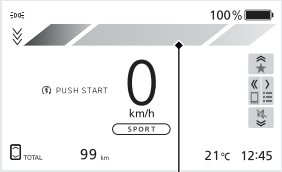
Battery charge in progress:

The degree to which the high voltage battery is being charged is displayed by the readings on the CHARGE side.

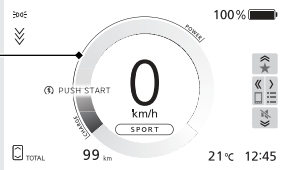
Standard display:



Display type: BAR



Display type: CIRCLE



POWER/CHARGE Gauge

Instruments *(Continued)*

Air temperature gauge

Displays the ambient temperature.
Display range: -10 ºC to 50 ºC

- Less than -10ºC: "---" is displayed
- Above 50ºC: 50ºC flashes
- 3ºC or less: ❄ is appeared
- 5ºC or more: ❄ is disappeared

Road heat and exhaust from another vehicle can affect the temperature reading when your vehicle speed is less than 30 km/h (19 mph). It may take several minutes for the display to be updated after the temperature reading has stabilized.

You can select the display or hide the air temperature gauge. ➔P.68

INFO area

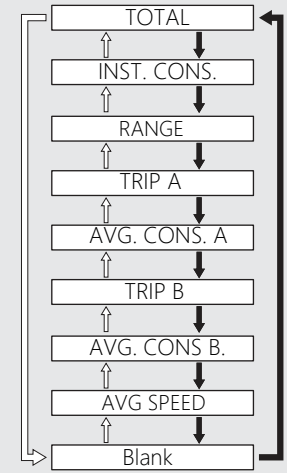
The INFO area displays various vehicle information.

The following items are displayed by default.

- Odometer [TOTAL]
- Current electricity consumption [INST. CONS.]
- Available riding distance [RANGE]
- Tripmeter A [TRIP A]
- Tripmeter B [TRIP B]

The information item displayed in the INFO area can be changed arbitrarily.
Up to 9 items are available. (Including Blank)
If no item is selected or only Blank is selected, the INFO area has no items.

To change the information: P.50 P.64



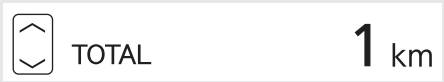
Instruments *(Continued)*

The types of information item that can be displayed in the INFO area are as follows:

TOTAL P.40
INST. CONS. P.41
RANGE P.41
TRIP A P.42
AVG. CONS. A P.42
TRIP B P.43
AVG. CONS B. P.43
AVG SPEED P.44
Blank P.45

Odometer [TOTAL]

Total distance ridden.



When "------" is displayed, go to your dealer for service.

Current electricity consumption [INST. CONS.]

Displays the instantaneous electricity consumption.
Display range: 0.0 to 999.9 kWh/100 km (mile/kWh)

- When your speed is less than 5 km/h (3 mph): "---.-" is displayed.



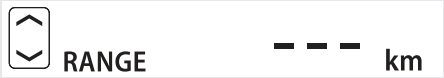
Available Riding Distance [RANGE]

Displays the estimated distance you can travel on the remaining charge for the high voltage battery.
The indicated available riding distance is calculated based on the riding conditions and may not always be the actual available riding distance.
Also, indicated available riding distance may differ significantly from the actual value depending on the slope of the road, loading conditions, temperature, and riding mode.
Display range: 999 to 0 km (999 to 0 mile)

- Above 999 km (mile): "999" is displayed.
- When the high voltage battery SOC (State Of Charge) is less than 20 %: "---" is displayed.

When "---" is displayed except for the above-mentioned cases, go to your dealer for service.

The indicated available riding distance is calculated based on riding conditions, and the indicated figure may not always be the actual allowable distance.



Tripmeter A [TRIP A]

Distance ridden since the tripmeter A was reset.



When "----.-" is displayed, go to your dealer for service.

To reset the tripmeter A: P.47 P.49

Tripmeter A average electricity consumption [AVG CONS. A]

Displays the average electricity consumption since the tripmeter A was reset.

The average electricity consumption will be calculated based on the value on tripmeter A.

Display range: 0.0 to 999.9 kWh/100 km (mile/kWh)

- Above 999.9 kWh/100 km: "--.-" is displayed.

- Above 999.9 mile/kWh: "999.9" is displayed.
- When the average electricity consumption is reset: "---.-" is displayed.



When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.

Tripmeter A average electricity consumption is reset when you reset tripmeter A.

To reset the tripmeter A: P.47 P.49

Tripmeter B [TRIP B]

Distance ridden since the tripmeter B was reset.



When "----.-" is displayed, go to your dealer for service.

To reset the tripmeter B: P.47 P.49

Tripmeter B average electricity consumption [AVG CONS. B]

Displays the average electricity consumption since the tripmeter B was reset.

The average electricity consumption will be calculated based on the value on tripmeter B.

Display range: 0.0 to 999.9 kWh/100 km (mile/kWh)

- Above 299.9 kWh/100 km: "--.-" is displayed.

- Above 999.9 mile/kWh: "999.9" is displayed.
- When the average electricity consumption is reset: "---.-" is displayed.



When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.

Tripmeter B average electricity consumption is reset when you reset tripmeter B.

To reset the tripmeter B: P.47 P.49

Average speed [AVG SPEED]

Displays the average speed since the motor was activated.

Display range: 0 to 199 km/h (0 to 124 mph)

- Initial display: "---" is displayed.
- When your vehicle has travelled less than 0.2 km since the motor was activated: "---" is displayed.
- When your vehicle operating time is less than 16 seconds since the motor was activated: "---" is displayed.



When "---" is displayed except for the above-mentioned cases, go to your dealer for service.

Blank display

Display the blank.

Instruments *(Continued)*

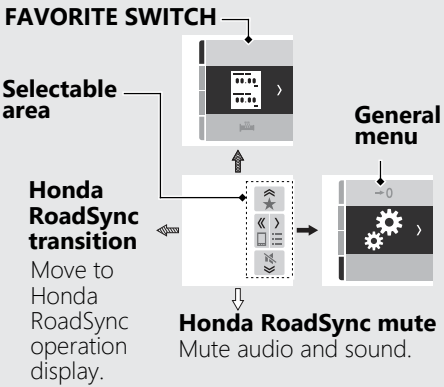
Selectable area

You can select the following:

- General menu P.47
- Honda RoadSync transition P.103
- Honda RoadSync mute
- FAVORITE SWITCH (Trip reset mode or Grip heater mode) P.49 P.109

Honda RoadSync transition and Honda RoadSync mute can be selected only when your smartphone is connected to the vehicle.

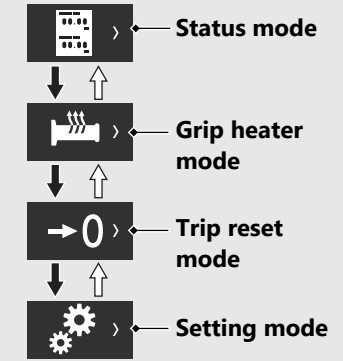
To connect the device P.103



General Menu

You can select the following:

- Status mode
- Grip heater mode
- Trip reset mode
- Setting mode



Status mode

The Status mode displays various vehicle information.

The Status mode has four pages and displays two pieces of information on each page.

Press ▶ on the sel switch while select the status mode, display moves to vehicle information page.



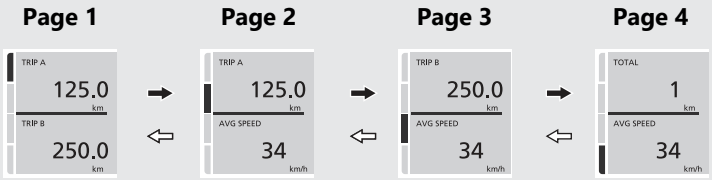
The information item displayed in the status mode can be changed arbitrarily.

To change the information: P.50 P.64

Instruments *(Continued)*

To switch the information page

To change the information page, press ▼ or ▲ on the sel switch.



➡ Press ▼ on the sel switch.

⇨ Press ▲ on the sel switch.

To change the information: P.50 P.64

Grip heater mode

Change the handle grip heater level or turns off the handle grip heater.

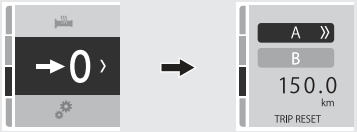
To change the handle grip heater level:

P.109

Trip reset mode

You can reset the tripmeter A or tripmeter B.

1. Select the trip reset mode. P.47
2. Press ▶ on the sel switch.



3. Select the A or B by pressing ▼ or ▲ on the sel switch.



4. Press and hold ▶ on the sel switch. The tripmeter A or B is reset.



Also, the trip meter A is automatically reset when the high voltage battery gauge increases by 35 % or more after recharging and riding your vehicle for 0.1 km (0.06 mile). You can activate or deactivate the automatic reset mode. P.50 P.58

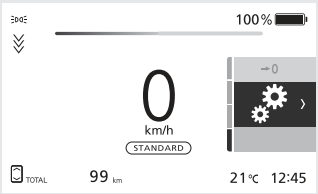
Instruments *(Continued)*

Setting mode

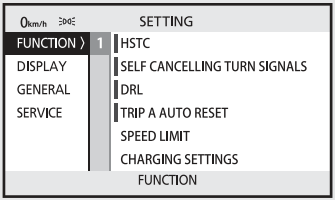
To shift to the setting mode

1. Select the general menu. P.46
2. Select the setting mode. P.47
3. Press ▶ on the sel switch, and then display moves to the setting mode.
   ▶ Operation while riding is prohibited.

Ordinary display



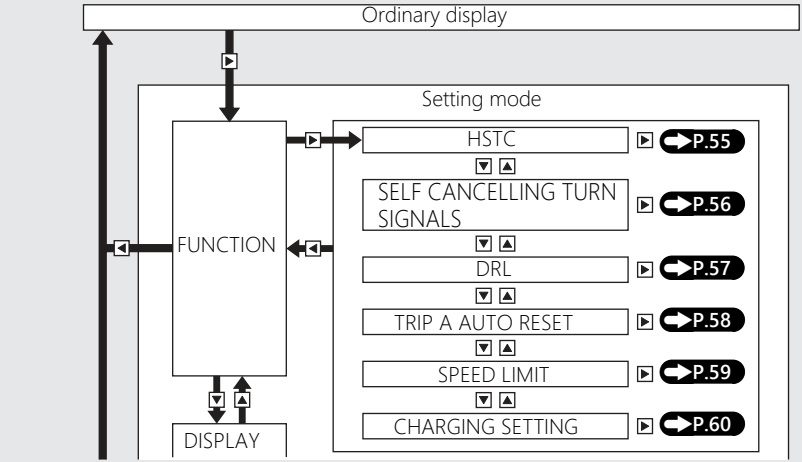
Setting mode



To return to the ordinary display

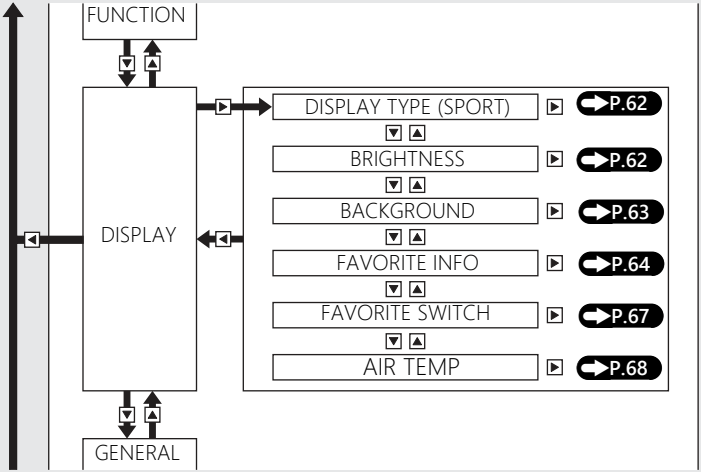
- Press ◀ on the sel switch until return to the ordinary display.
- Turn the electrical system is off and on again.

Setting flow

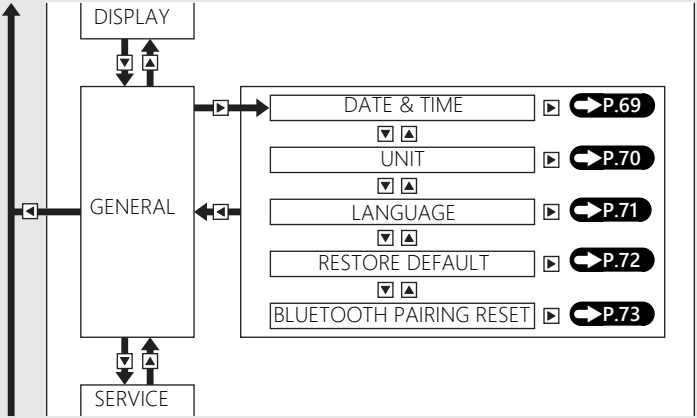


Continued

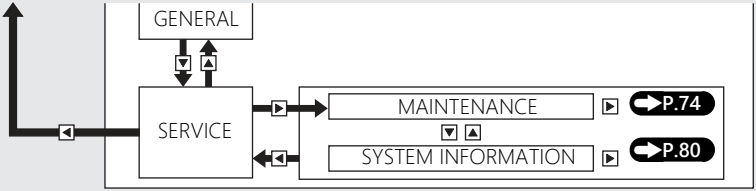
Instruments *(Continued)*



▶ **Press ▶ on the sel switch**
◀ **Press ◀ on the sel switch**
▲ **Press ▲ on the sel switch**
▼ **Press ▼ on the sel switch**



▶ Press ▶ on the sel switch
◀ Press ◀ on the sel switch
▲ Press ▲ on the sel switch
▼ Press ▼ on the sel switch

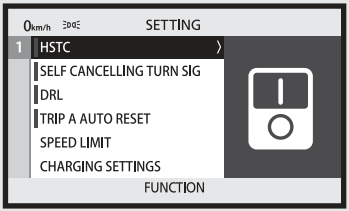


▶ Press ▶ on the sel switch
◀ Press ◀ on the sel switch
▲ Press ▲ on the sel switch
▼ Press ▼ on the sel switch

HSTC

You can enable or disable the HSTC (Honda Selectable Torque Control).

1. Select the ▌(On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

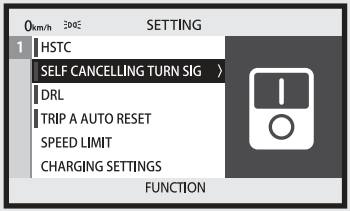


Instruments *(Continued)*

SELF CANCELLING TURN SIGNALS

You can enable or disable turn signal automatic cancellation. P.88

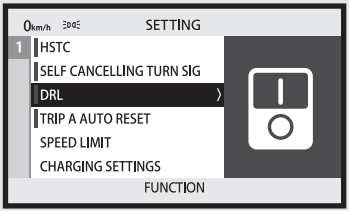
1. Select the ▌ (On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



DRL

You can enable or disable DRL. P.132

1. Select the ▌ (On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

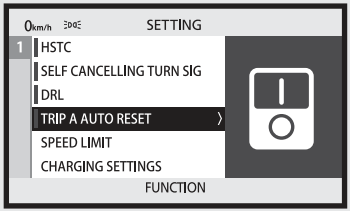


Instruments *(Continued)*

TRIP A AUTO RESET

You can enable or disable the tripmeter A automatic reset mode.

1. Select the ▌(On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



SPEED LIMIT

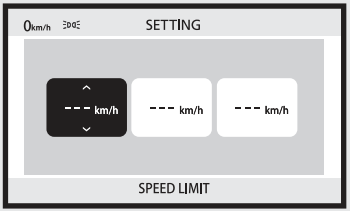
You can set the three set speed value, for use with Selectable Speed Limit Assist preset mode. P.121

Display range:----, 20 to 130 km/h (15 to 80 mph)

1. Select one of the three set speed value display using ▶ or ◀ on the sel switch.
2. Select the desired setting using ▲ or ▼ on the sel switch.
3. Press ◀ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. P.50

   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

   ▶ The set value is retained.

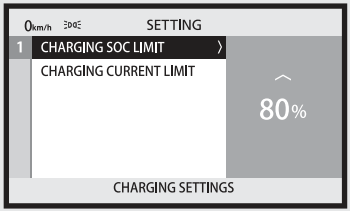


Instruments *(Continued)*

CHARGING SETTING

You can adjust the value of the CHARGING SOC*1 LIMIT and CHARGING CURRENT LIMIT.

*1: SOC stands for State Of Charge.

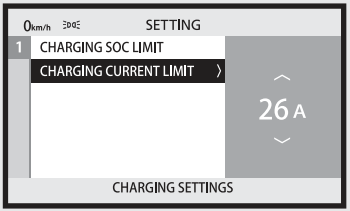


CHARGING SOC LIMIT setting

1. Select the CHARGING SOC LIMIT using ▲ or ▼ on the sel switch and the press the ► on the sel switch.
2. Select the desired setting using ▲ or ▼ on the sel switch.
   Display range: 80 to 100 %
3. Press ◄ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◄ on the sel switch to return to the upper hierarchy.
   ► The set value is retained.

CHARGING CURRENT LIMIT setting (AC charging only)

1. Select the CHARGING CURRENT LIMIT using ▲ or ▼ on the sel switch and the press the ► on the sel switch.
2. Select the desired setting using ▲ or ▼ on the sel switch.
   Display range: 6 to 32 A
3. Press ◄ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◄ on the sel switch to return to the upper hierarchy.
   ► The set value is retained.

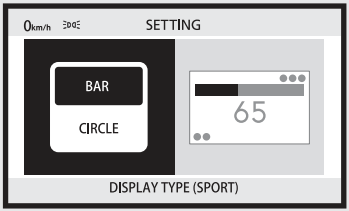


Instruments *(Continued)*

DISPLAY TYPE (SPORT)

You can change the display type only when riding mode is SPORT. P.114

1. Select the display type ("BAR" or "CIRCLE") using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

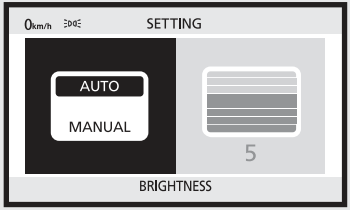


BRIGHTNESS

You can adjust the backlight brightness to one of the eight levels or select the auto adjustment.

Automatic brightness control: P.226
The display can become dark when the display is very hot. If it does not restore the original brightness, contact your dealer.

1. Select the "AUTO" or "MANUAL" using ▲ or ▼ on the sel switch.



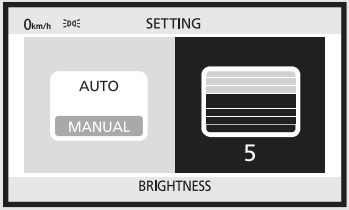
❷ When select the "AUTO"

Press ◀ on the sel switch to complete the setting.

When select the "MANUAL"

Press ▶ on the sel switch to select the backlight brightness using ▲ or ▼ on the sel switch.

Press ◀ on the sel switch to complete the setting.



❸ Return to the ordinary display to complete the setting. P.50

To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

BACKGROUND

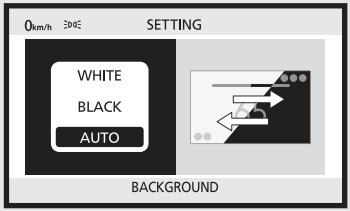
You can change the setting of the background to one of the two colours or select the auto adjustment.

❶ Select the background colour using ▲ or ▼ on the sel switch.

❷ Press ◀ on the sel switch to complete the setting.

❸ Return to the ordinary display to complete the setting. P.50

To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



Instruments *(Continued)*

FAVORITE INFO

You can change the information items displayed in the INFO area and STATUS mode.

1 line information

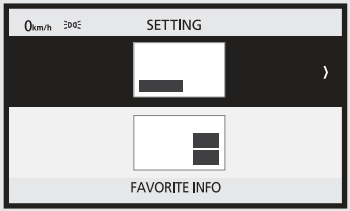
You can change the information items displayed in the INFO area. (INFO area: P.39)

1 line information setting: P.65

2 lines information

You can change the information items displayed in the information page of status mode. (Information page: P.47)

2 lines information setting: P.66

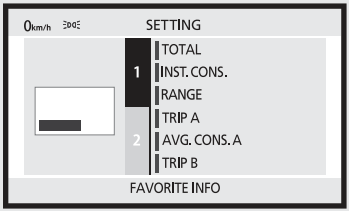


Select the 1 line or 2 lines information using ▲ or ▼ on the sel switch.

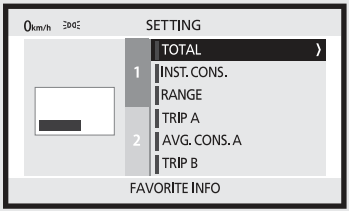
Press ▶ on the sel switch, display moves to the 1 line or 2 lines information setting.

1 line information setting

1. Select the 1 or 2 using ▲ or ▼ on the sel switch.



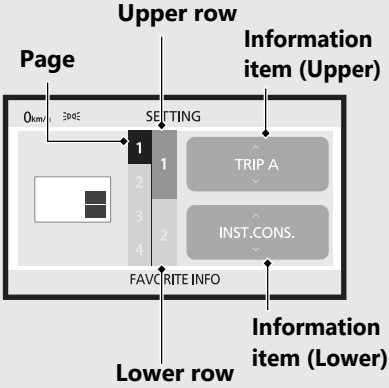
2. Press ▶ on the sel switch to select the information items.



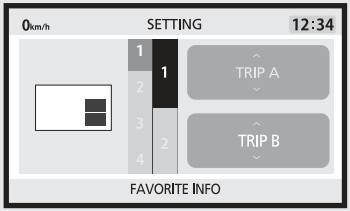
3. Select the desired information item using ▲ or ▼ on the sel switch.
4. Press ▶ on the sel switch, set the information item.
   - ▶ Items that have already been set are displayed with a green cursor.
   - ▶ Up to 9 items are available. (Including Blank)
5. Press ◀ on the sel switch to complete the setting.
6. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

Instruments *(Continued)*

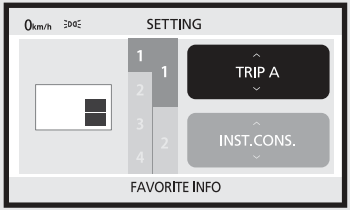
2 lines information setting



1. Select the desired page using ▲ or ▼ on the sel switch.
2. Press ▶ on the sel switch to select the upper or lower row.
3. Select the upper or lower row using ▲ or ▼ on the sel switch.



4. Press ▶ on the sel switch to select the information items.
5. Select the desired information item using ▲ or ▼ on the sel switch.

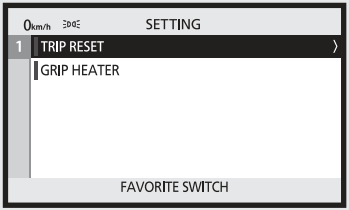


6 Press ◀ on the sel switch to complete the setting.
7 Return to the ordinary display to complete the setting. P.50
To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

FAVORITE SWITCH

You can change the items set for the favorite switch. P.47

1 Select the favorite switch using ▲ or ▼ on the sel switch.
2 Press ▶ on the sel switch, set the item.
3 Press ◀ on the sel switch to complete the setting.
4 Return to the ordinary display to complete the setting. P.50
To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

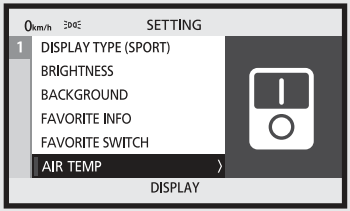


Instruments *(Continued)*

AIR TEMP

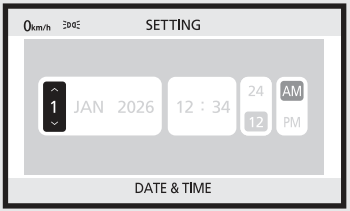
You can display or hide the air temperature gauge. P.29

1. Select the ▌(On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



DATE & TIME

1. Select the "Day", "Month", "Year", "Hour", "Minute", "24h or 12h" or "AM / PM" using ▶ or ◀ on the sel switch.
2. Select the desired setting using ▲ or ▼ on the sel switch.
   ▶ When "24 / 12" is set to 24-hour indication, "AM / PM" cannot be usable.
3. Press ◀ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.
   ▶ The set value is retained.

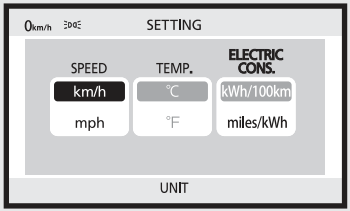


Instruments *(Continued)*

UNIT

You can change the speed and mileage units.

- ▶ "TEMP." is displayed but not selectable.
- ▶ The "ELECTRIC CONS." is automatically selected depending on the speed unit.
- ▶ The mileage unit is automatically changed depending on the speed unit.

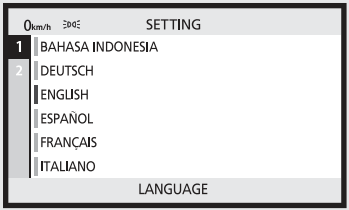


1. Select the desired setting using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. ➡P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.
   - ▶ The set value is retained.

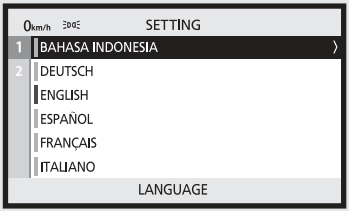
LANGUAGE

Changes the system language.

1. Select the 1 or 2 using ▲ or ▼ on the sel switch.



2. Press ▶ on the sel switch.



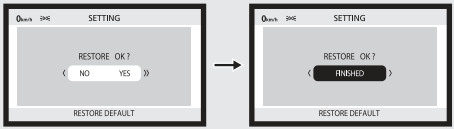
3. Select the language using ▲ or ▼ on the sel switch.
4. Press ▶ on the sel switch to select the language.
   ▶ Items that have already been set are displayed with a green cursor.
5. Press ◀ on the sel switch to complete the setting.
6. Return to the ordinary display to complete the setting. P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

Instruments *(Continued)*

RESTORE DEFAULT

The set values can be returned to the default settings.

1. Select the "NO" (not restore) or "YES" (restore) using ▶ or ◀ on the sel switch.
2. When the "NO" is selected
   Press ◀ on the sel switch. The set value is maintained, and then the display returns to the upper level hierarchy.
   When the "YES" is selected
   Press and hold ▶ on the sel switch. The set value return to default setting.



The following items are restored to their default values:

- HSTC
- DRL
- TRIP A AUTO RESET
- SPEED LIMIT
- CHARGING SETTING
- DISPLAY TYPE
- BRIGHTNESS
- BACKGROUND
- FAVORITE INFO
  ▶ The page of the currently selected INFO area and status mode are also initialized.
- FAVORITE SWITCH
- UNIT
- LANGUAGE
- SELF CANCELLING TURN SIGNALS
- AIR TEMP

BLUETOOTH PAIRING RESET

You can reset the pairing record of *Bluetooth*®.

Reset a *Bluetooth*® pairing record after stopping at a safe place.

To connect the device P.106

Make sure smartphone that you want to delete connection is connected to your vehicle.

To check if the smartphone is connected: P.34

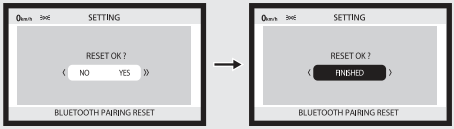
1. Select the "NO" (not reset) or "YES"(reset) using the ▶ or ◀ on the sel switch.
2. When the "NO" is selected

   Press the ◀ on the sel switch. The pairing record is maintained, and then the display returns to the upper level hierarchy.

When the "YES" is selected

Press and hold the ▶ on the sel switch. Your smartphone connection is deleted and the pairing record is reset.

▶ When reset is complete, "FINISHED" will be displayed.



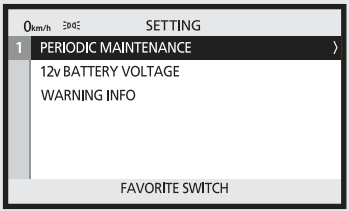
▶ If the pairing information remains in your smartphone even if the pairing information is deleted from the vehicle, the smartphone may be connected to the vehicle again.

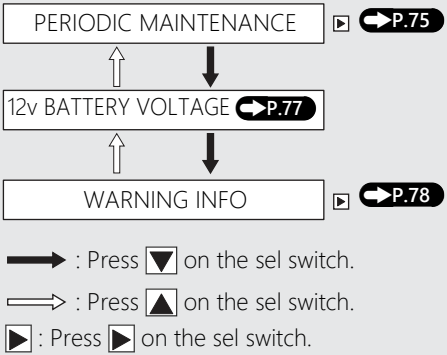
Instruments *(Continued)*

MAINTENANCE

You can select the following:

- PERIODIC MAINTENANCE P.75
- 12v BATTERY VOLTAGE P.77
- WARNING INFO P.78

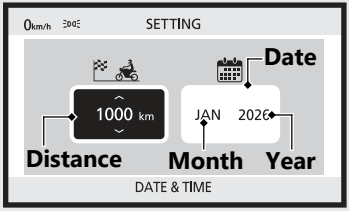




PERIODIC MAINTENANCE

You can check the next periodic inspection time.

You can change the setting of the next periodic inspection.



Display range:

Distance:

------, 12,000 to -99,999 km (8,000 to -99,999 mile)

- ▶ Pass 0 km: "-" mark is displayed.
- ▶ Changing the SPEED unit from "mile" to "km" will also display ranges over 12,000 km, depending on the distance.

Date:

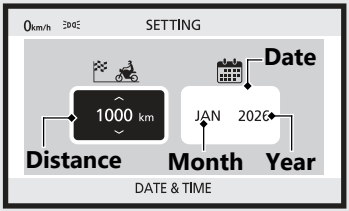
Month: ---, JAN to DEC

Year: ----,2020 to 2099

Instruments *(Continued)*

Next inspection setting

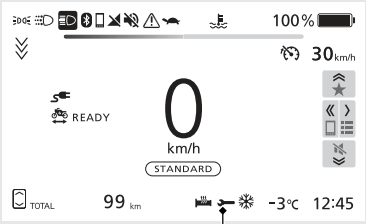
1. Select the distance, month or year using ▶ or ◀ on the sel switch.



2. Select the desired setting using ▲ or ▼ on the sel switch.
   - ▶ If you press and hold ▲ on the sel switch while setting the distance, it will move every 1000.
     Available setting range of the distance: ------, 100 to 12,000 km (100 to 8,000 mile)
3. Press ◀ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. ➔P.50
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

When reaching any of the following, the maintenance indicator is appears in the ordinary display. P.30

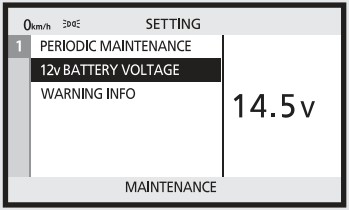
- "500 km" ("300 mile") from the next periodic inspection.
- One month before the set month.



Maintenance indicator

12v BATTERY VOLTAGE

Displays the current 12 V battery voltage.



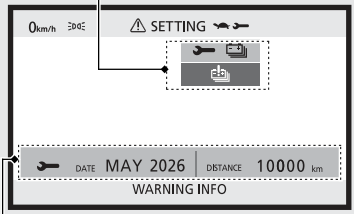
Instruments *(Continued)*

WARNING INFO

Displays a current maintenance information and (or) warning information.

If your vehicle has warning information, have your vehicle inspected by your dealer as soon as possible.

Warning information



Maintenance information

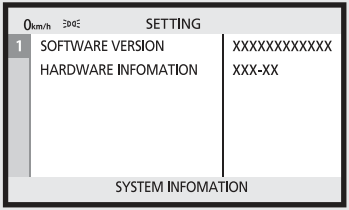
When the warning information displays, refer to following.

Indication	Explanation	Remedy
	When the periodic inspection time of your vehicle is approaching.	Have your vehicle inspected by your dealer.
	High voltage battery health low.	Have your high voltage battery inspected by your authorised dealer.
	Abnormality of the high voltage battery.	Have your vehicle inspected by your authorised dealer as soon as possible.

Instruments *(Continued)*

SYSTEM INFORMATION

Displays the software version and hardware information.



Pop-up information

In the following cases, pop-up information is displayed at the INFO area.

- Warning information:
  When your vehicle has warning information.

If there are multiple warnings, they will be displayed in order.

Warning Information

Indication	Explanation	Remedy
	When the high voltage battery is empty.	Charge the high voltage battery. P.135
	When the SOH (State Of Health) of high voltage battery is low.	See your dealer as soon as possible.

Instruments *(Continued)*

	When the coolant temperature becomes high.	Refer to “Overheating” P.196
	When the charging cable connector is inserted while the electrical system is on.	Turn the the electrical system off, and then remove the charging cable connector and reconnect it. P.146
	When the remaining charge of the high voltage battery falls below 20%.	Charge the high voltage battery. P.135

You can hide the pop-up information by pushing either the ▲ ▼ ◀ ▶ sel switch while the pop-up information is displayed.

Indicators

If one of these indicators does not come on when it should, have your dealer check for problems.
Refer to the "Instruments" about indicators appeared on the display: P.34



Left turn signal indicator

Right turn signal indicator

Malfunction indicator lamp (MIL)
Comes on briefly when the electrical system is turned on.

If it comes on while the electrical system is in on: P.199

ABS (Anti-lock Brake System) indicator
Comes on when the electrical system is turned on. Goes off when your speed reaches approximately 10 km/h (6 mph).

If it comes on while riding: P.197

Battery fail indicator
Comes on when there is an abnormality with the high voltage battery.

▶ If this comes on, contact your authorised dealer.

Indicators *(Continued)*

Torque Control indicator

- Blinks when Torque Control is operating.

If it comes on while riding: P.198



Honda SMART Key indicator

Comes on briefly when the electrical system is turned on.

When the Honda SMART Key Indicator Flashes: P.202

Charging indicator

Comes on while the high voltage battery is charging. P.135

Steering lock indicator

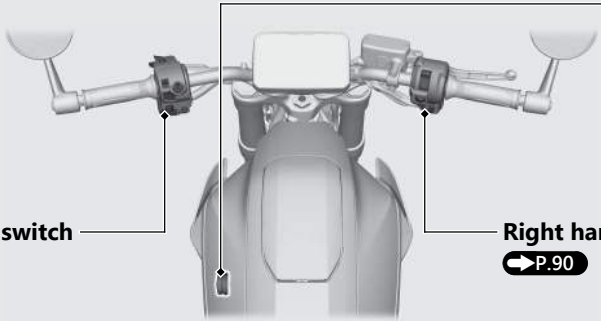
Comes on briefly while the steering lock is activating.

Steering lock: P.91

Torque Control OFF Indicator

Comes on when the Torque Control is turned Off.

Switches



Left handlebar switch
P.88

Right handlebar switch
P.90



Answer back button
This button is used to operate the answer back system.
Answer Back System: P.100

ON/OFF button
This button is used to activate or deactivate the Honda SMART Key system, and also to confirm the activation status. P.94

Power Switch

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

- Make sure that the Honda SMART Key is activated P.94 and enter the operating range. P.95
- If you want to turn the power switch on again after turning it off, make sure to wait until the display has finished ending animation, and the electric system has stopped before turning the power switch on again.

Power switch knob ○/🔒 (Off/Lock)



Power | (On) switch

🔒 (Lock) Locks steering. P.91



○ (Off) Electrical system off.



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



➡ Push the power | (On) switch.



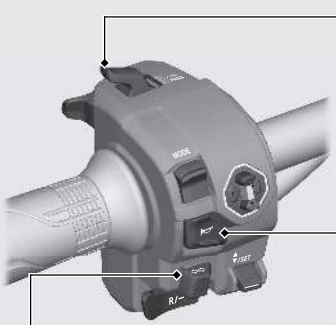
⇨ Turn the power switch knob ○/🔒 (Off/Lock) counterclockwise.



➡ Turn and hold the power switch knob ○/🔒 (Off/Lock) counterclockwise.

Switches *(Continued)*

Left handlebar switches



Headlight dimmer/Passing light control switch

- : High beam
- : DRL auto or off (low beam) P.132
- PASS : Flashes the high beam headlight.

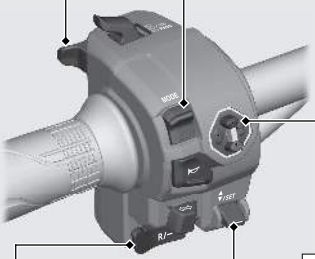
Horn button

Turn signal switch

The turn signal will automatically stop when you complete the turn. (You can manually cancel the lights by pressing the switch in.) When used for a lane change, the turn signal will automatically stop in about 7 seconds or after riding 150 m (164 yards). In some cases, the timing at which the turn signal stops could be less or more. Always use the recommended tyres to ensure correct automatic cancellation operation.

To enable or disable the turn signal automatic cancellation: P.56

F/+ switch
- Weak the deceleration power selector level. P.112
- Use the moving in forward. P.125



MODE switch
Used to change the riding mode. P.111

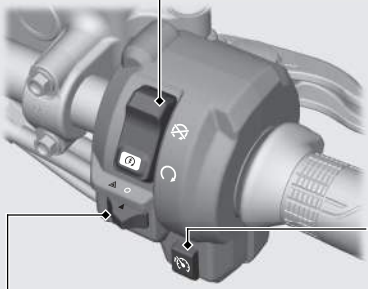
▲ ▼ ◄ ► Sel switch
Used to operate and set the display. P.50
Also used to set the riding mode P.111 and to operate the Honda RoadSync. P.103

▲ ▼/ SET Selectable Speed Limit Assist Select lever
Used to operate the Selectable Speed Limit Assist. P.120

R/- switch
- Strong the deceleration power selector level. P.112
- Use the moving in reverse. P.125

Switches *(Continued)*

Right handlebar switches



Motor stop switch/ Start button

Should normally remain in the (Run) position.

► In an emergency, switch to the (Stop) position to stop the motor.

Selectable Speed Limit Assist Select switch

- Press to activate or deactivate the Selectable Speed Limit Assist. P.119
- Press and hold, accelerate beyond the Selectable Speed Limit Assist set speed value. P.122

Hazard switch

Switchable when the electrical system is on. Can be turned to off regardless of whether the electrical system is on or off.

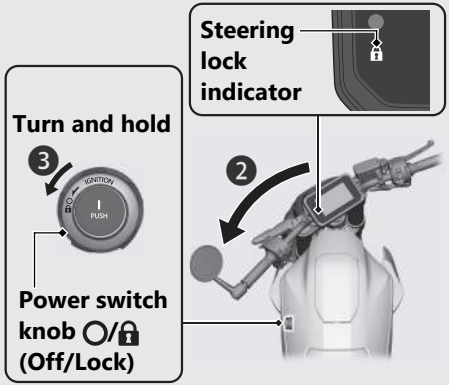
► The signals continue flashing with turn the electrical system is off after the hazard switch is on.

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 power switch knob ○/🔒 (Off/Lock) counterclockwise to turn off the electrical system. P.49
2. Turn the handlebar all the way to the left.



Switches *(Continued)*

❸ Turn and hold the power switch knob ○/🔒 (Off/Lock) counterclockwise.

▶ The steering lock indicator comes on briefly and the steering is automatically locked.

▶ If the steering lock indicator blinks and the alarm sounds, the steering has not been locked completely because the steering was not positioned all the way to the left.
If this occurs, reposition the handlebar all the way to the left, then turn and hold the power switch counterclockwise (The steering can also be locked by positioning it all the way to the left while the alarm is sounding).

Unlocking

① Make sure that the Honda SMART Key is activated ➡P.94 and enter the operating range. ➡P.95

② Push the power switch switch.

▶ The steering is unlocked automatically.

▶ If the steering lock indicator blinks, the steering is not unlocked because of excessive force on the steering.
If this occurs, reposition the handlebar all the way to the left, then push the power switch. (The steering can also be unlocked by positioning it all the way to the left within seconds after the steering lock indicator starts blinking).

Honda SMART Key System

The Honda SMART Key system allows you to operate the power 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.

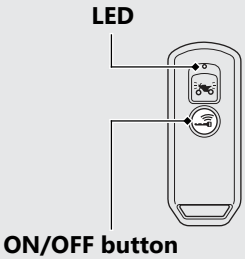
The Honda SMART Key system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.

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

Operating Range

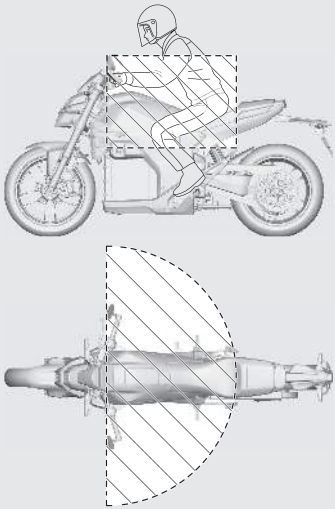
The operating range varies when the power switch is locked or unlocked.

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 power switch is unlocked:

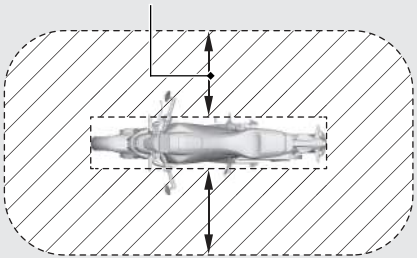
The system can be operated within the shaded area shown in the illustration.



Honda SMART Key System *(Continued)*

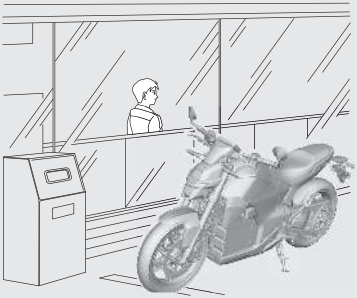
When the power switch is locked:

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



Anyone can unlock the power switch and activate the motor 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.94



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

- Activate the electrical System
- Unlocking the steering lock
- Stopping charge and unlocking the charging cable connector P.135

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

Do not store the Honda SMART Key in any compartment.

If the electrical system is on, the vehicle can be operated even by a person who does not have a verified Honda SMART Key.
Whenever you leave your vehicle, turn off the electrical system and lock the steering.
P.91

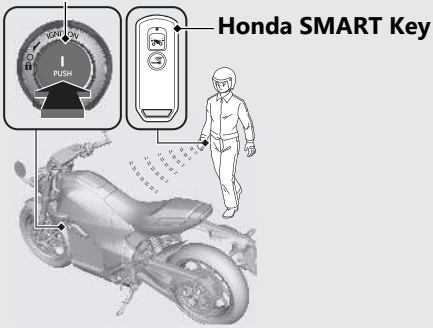
Honda SMART Key System *(Continued)*

Switching the power switch

To Activate the Electrical System

1. Make sure that the Honda SMART Key is activated and enter the operating range for the vehicle. P.94
2. Push the power switch.
   ▶ The electrical system activates.

When the Honda SMART Key system does not work properly P.205



To Turn Off the Electrical System

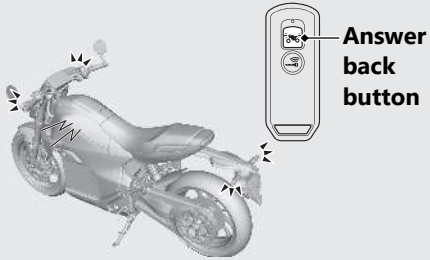
1. Turn the power switch knob ○/🔒 (Off/Lock) counterclockwise.
2. Leave the operating range with the Honda SMART Key P.95 or switch the Honda SMART Key system to deactivation. P.94

When the Honda SMART Key system does not work properly P.205

Answer Back System

The answer back system is a device to find the location of your vehicle. When the immobilizer is active and you press the answer back button on the Honda SMART Key with the electrical system is off, the turn signals light and buzzer rings, informing you of your vehicle's location.

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



Operation

Press the answer back button on the Honda SMART Key.

▶ The answer back system will not function when the electrical system is on.

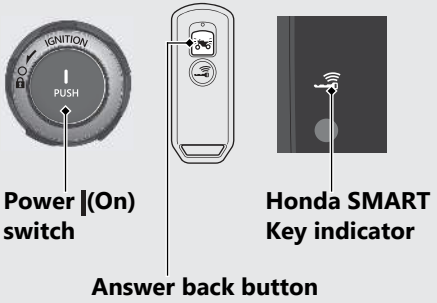
If the electrical system is left off for more than 10 days, the answer back system will no longer operate. When the system is active and the vehicle receives a signal from pressing answer back button, system activation will be extended for 10 days.
To reset the system, turn on the electrical system once.

When the 12 V battery in the vehicle is weak, the answer back system may not function.

Adjusting the Answer Back Buzzer Sound Volume Level

You can select the buzzer sound volume from 3 levels.

1. Lock the steering. P.91
2. Make sure that the Honda SMART Key system is activated. P.94
3. Press the answer back button on the Honda SMART Key 3 times within 1 minute while pushing and holding the power switch.
4. Release the power switch.
   - ► The Honda SMART Key indicator comes on.
5. Press the answer back button to select from 3 levels for the sound volume.
   - ► The sound volume level changes each time the answer back button is pressed.
6. Wait for about 10 seconds until the Honda SMART Key indicator goes off. The sound volume level is set.
   - ► The sound volume level is also set by turn the power switch knob O/🔒 (Off/Lock) counterclockwise before the Honda SMART Key indicator goes off.

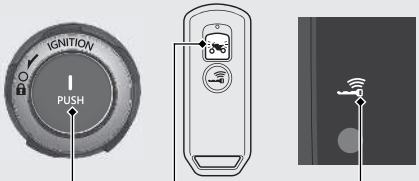


Answer Back System *(Continued)*

Changing the Answer Back Buzzer Sound Pattern

You can select buzzer sound from 3 patterns.

1. Lock the steering. P.91
2. Make sure that the Honda SMART Key system is activated. P.94
3. Press the answer back button on the Honda SMART Key 4 times within 1 minute while pushing and holding the power (On) switch.
4. Release the power (On) switch.
   - ▶ The Honda SMART Key indicator comes on.
5. Press the answer back button to select from 3 buzzer sound patterns.
   - ▶ The sound pattern changes each time the answer back button is pressed.
6. Wait for about 10 seconds until the Honda SMART Key indicator goes off. The sound pattern is set.
   - ▶ The sound pattern is also set by turn the power switch knob (Off/Lock) counterclockwise before the Honda SMART Key indicator goes off.



- ▶ The Honda SMART Key indicator flashes.

Honda RoadSync

Connecting your smartphone with the vehicle and a *Bluetooth*® headset via *Bluetooth*® allows you to operate the smartphone by voice input from the headset. You can also use the system by operating switches on the handlebar.

► To use the system, you need to install the dedicated application on your smartphone beforehand and pair your smartphone with the vehicle and the headset.

For terms of service and information on how to install/operate the dedicated application, see the following URL:
https://global.honda/voice-control-system/

► The dedicated application is not available in some regions/countries.
For available countries, see the above URL.

Honda RoadSync *(Continued)*

Communication range:
Within 1 meters radius from vehicle

Supported *Bluetooth*® version/profiles

Bluetooth® version	Bluetooth 4.2 or higher
Bluetooth® profiles	GATT (Generic Attribute Profile)
	HOGP (HID over GATT Profile)

Bluetooth® Wireless Technology
The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Honda Motors Co., Ltd., is under license. Other trademarks and trade names are those of their respective owners.

- Costs of network communication and communication equipment necessary for the use of this feature shall be borne by the user.
- You cannot pair two or more smartphones at once.
- Some smartphones may not be compatible with the feature.
- We shall not be liable for any damages or trouble in the use of smartphones.
- When unable to connect your smartphone to the vehicle, change the storage location of the smartphone.

The system itself has certain limitations. Therefore, you must verify the voice guidance and information in the meter provided by the system by carefully observing the roadway, signs, and signals, etc. If you are unsure, proceed with caution. Always use your own good judgement, and obey traffic laws while riding.

⚠WARNING

Using Honda RoadSync while riding can take your attention away from the road, causing a crash in which you could be seriously injured or killed.

- Do not operate the display while staring at it during riding.
- Be especially cautions when crossing intersections, in heavy traffic, etc.
- Carefully observe the roadway, signs, and signals.
- Obey traffic laws while riding.

Honda RoadSync *(Continued)*

Honda RoadSync Limitations

Changes in operating systems, hardware, software, and other technology integral to providing Honda RoadSync functionality, as well as new or revised governmental regulations, may result in a decrease or cessation of Honda RoadSync functionality and services.

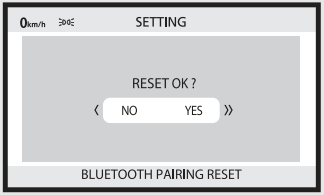
Honda cannot and does not provide any warranty or guarantee of future Honda RoadSync performance or functionality.

Pairing your smartphone via *Bluetooth®*

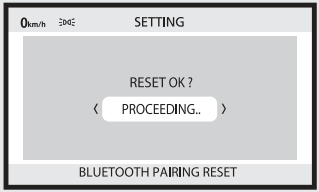
Make a *Bluetooth®* pairing after stopping at a safe place.

Only one smartphone can be connected at the same time.
To connect other smartphone, reset the *Bluetooth®* pairing record. P.73

1. Select the BLUETOOTH PAIRING RESET menu. P.50 P.73
2. Press and hold the ▶ on the sel switch to select "YES."
   - ▶ Press ◀ on the sel switch to cancel the pairing. The display returns to the upper level hierarchy.



3. "PROCEEDING..." is displayed and the system will be in pairing standby. Perform the pairing operation by the application on your smartphone within about 2 minutes.



- ▶ On the ordinary display, the *Bluetooth*® indicator is flashing while waiting for pairing.

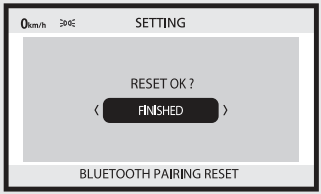


- ▶ For operation of the application, follow the instruction of the application.

Honda RoadSync *(Continued)*

4 When pairing is complete, “FINISHED” will be displayed.

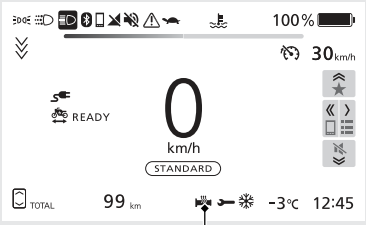
► Even if you do not complete, “FINISHED” will be displayed about 2 minutes after. Check the status icons to confirm pairing is complete. P.34
If pairing is not completed, perform 1 to 3 again.



Handle Grip Heater

This vehicle is equipped with a handle grip heater that warms up your hands during ride. Wear gloves to protect your hands from the heated grips.

Handle grip heater indicator:
Lights when handle grip heater is on.



Handle grip heater indicator

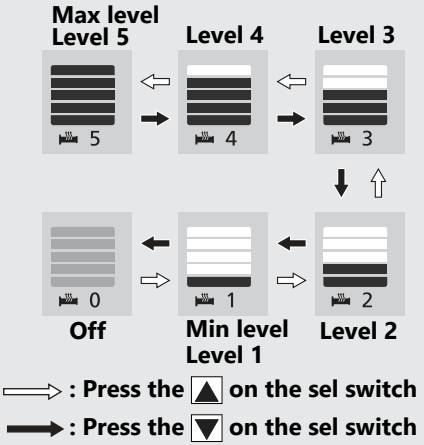
To operate handle grip heater

1. Select the heated grip mode. P.47
2. Press ▶ on the sel switch.



Handle Grip Heater *(Continued)*

3. Press ▲ or ▼ on the select switch to select the heater level.
   - ▶ If no button is pressed for about 10 seconds, the display will return to normal.
   - ▶ The temperature of the handle grip heater changes depending on the outside temperature, so avoid setting it to a high temperature on warm days.
   - ▶ Do not operate the handle grip heater level while riding.
4. To turn off the handle grip heater, set the handle grip heater level to 0.
5. Press ◀ on the select switch to display the normal display.



Riding mode

You can change the riding mode.
Riding mode has 4 modes.

- Available riding modes: STANDARD, SPORT, ECON, and RAIN
- Initial riding mode: ECON

Additionally, each riding mode has a designated deceleration power selector level setting.

▶ The deceleration power selector level can be changed. P.115

Riding modes

STANDARD mode:
This mode is for normal use, offering a good balance between acceleration and cruising range.
Initial deceleration power selector level: Middle (level 2)

SPORT mode:
This mode gives you strong acceleration and responsiveness.
Initial deceleration power selector level: Middle (level 2)

ECON mode:
This mode provides gently acceleration and strong regenerative braking, reducing unnecessary energy consumption.
Initial deceleration power selector level: High (level 3)

RAIN mode:
This mode gives smooth vehicle behavior even in the rain.
Initial deceleration power selector level: Low (level 1)

Depending on the capacity, load, SOC and temperature of the high voltage battery, the output of each riding mode may be limited.

Riding mode *(Continued)*

Deceleration Power Selector

You can use Deceleration Power Selector to change level of regenerative braking, from level 0 to 3. Level 0 turns off regenerative braking.

The Deceleration Power Selector is an auxiliary deceleration system. When level 0 (regenerative braking OFF) is selected, only the front and rear brakes are used to slow down the vehicle. If deceleration using the Deceleration Power Selector alone is insufficient to adequately slow the vehicle, the rider should manually apply the brakes to slow down.

When you select level 0 (regenerative braking OFF), only front and rear brakes are the way to slow down the vehicle.

▶ When the vehicle is decelerating via the system, the brakelight will turn on without operation of the service brake.

⚠CAUTION

Rapidly increasing the deceleration level can cause the tyres to skid, resulting in a crash that could injure or kill someone.

Always maintain a reasonable level of deceleration.

You can adjust the deceleration power selector level to suit your preference.
Deceleration power selector level has four setting levels.
Available setting range:
level 3 (High), level 2 (Middle), Level 1 (Low) and level 0 (Regenerative braking OFF)

Deceleration power selector level (effect of regenerative braking)	level 3 (High)	level 2 (Middle)	level 1 (Low)	level 0 (Regenerative braking OFF)
Deceleration power selector level indicator				Regenerative Braking OFF Indicator 

▶ The regenerative braking OFF indicator will be displayed when the level 0 (Regenerative braking OFF) is selected.

Regenerative Braking OFF Indicator P.201

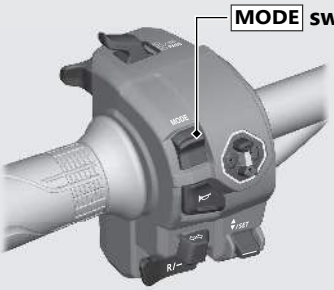
▶ When you switch riding modes, the deceleration power selector level will return to the default value.

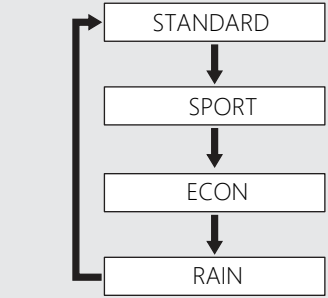
Riding mode *(Continued)*

Selecting the riding mode

You can change the riding mode using the **MODE** switch.

1. Stop the vehicle.
2. Press the **MODE** switch with the throttle fully closed.





→ Press the **MODE** switch

Setting the deceleration power selector level

You can change the deceleration power selector level on the all riding modes.

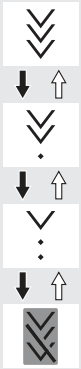
While the vehicle is moving at speeds 5 km/h (3 mph) or more, press the F/+ or R/- button to change the level.

- To increase the deceleration power selector level: Press the R/- button
- To reduce the deceleration power selector level: Press the F/+ button

When you switch riding modes, the deceleration power selector level will return to the default value.

Slowly decelerate when you increase the deceleration rate with the deceleration power selector. If the road is slippery, sudden regenerative braking can cause the tyres to skid.

Deceleration power selector level (effect of regenerative braking)



level 3 (High)

level 2 (Middle)

level 1 (Low)

level 0 (Regenerative braking OFF)

Press the F/+ button

Press the R/- button

Activating the Motor

Activating the motor allows you to ride.

This vehicle is equipped with a motor drive cut-off type side stand.

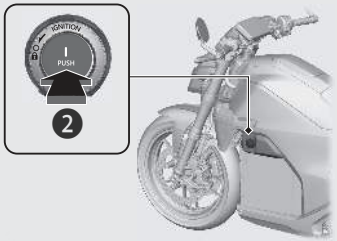
- ▶ The motor will not activate while the side stand is lowered. Always put the side stand up before activating the motor.
- ▶ The motor will stop if you try to use the side stand while the motor is running.

NOTICE

If the vehicle is over-turned, you must first turn the electrical system to the off and then inspect the vehicle carefully.

This vehicle is equipped with a Honda SMART Key system. Always keep Honda SMART Key on you when you ride the vehicle. P.95

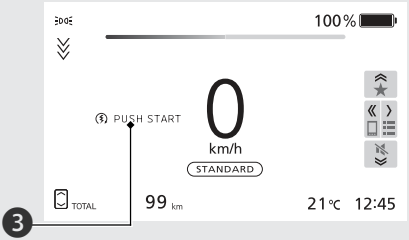
1. Unlock the steering. P.91
2. Activate the electrical system. P.87



❸ Check the **PUSH START** indicator is flashing.

▶ If the **PUSH START** indicator is not flashing, the motor cannot activate.

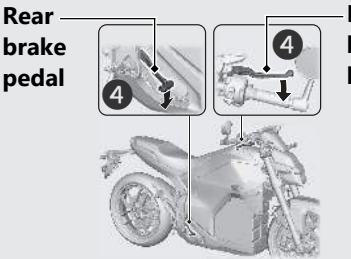
When the PUSH START indicator does not flash P.190



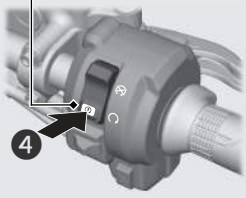
Activating the Motor *(Continued)*

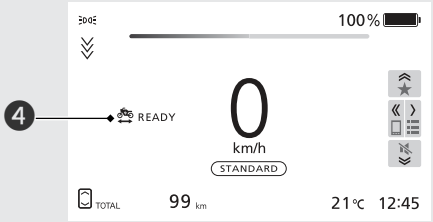
4 Squeeze the front brake lever or press the rear brake pedal, while the throttle grip is completely closed, press the motor start button.

- ▶ The motor will only activate when the front brake lever is squeeze or press the rear brake pedal.
- ▶ When the motor activates, the **READY** indicator comes on. You can now ride your vehicle. P.123
- ▶ Release the motor start button as soon as the **READY** indicator comes on.



Motor start button





When the Motor Does Not Operate
P.191

Selectable Speed Limit Assist

Selectable Speed Limit Assist system allow you riding within a specified speed.

- Always use Selectable Speed Limit Assist under the legal speed limit.
- This function does not limit speed under all circumstances. Even if a Selectable Speed Limit Assist is set, the set value may be temporarily exceeded or the system may be unable to fully control the vehicle depending on riding conditions.
- When the SOC (State Of Charge) of the high voltage battery is high, or when level of the deceleration power selector is low or disabled, the deceleration speed control may not work.
- Depending on the conditions when going downhill, the system may not be able to fully limit the speed.
- Always use the recommended tyres and pulleys to ensure correct Selectable Speed Limit Assist operation.
- Avoid using Selectable Speed Limit Assist on downhill. The SOC of high voltage battery rises, the deceleration control may not work.

⚠WARNING

Selectable Speed Limit Assist has limitations.
It is always your responsibility to adjust the vehicle speed to obey the actual speed limit, and safely operate the vehicle.

⚠WARNING

Do not turn the throttle grip more than necessary.
Maintain an appropriate throttle grip position depending on the vehicle speed.

The available speed setting range is listed below:

Available Speed setting range	20 – 130 km/h (15 - 80 mph)

Selectable Speed Limit Assist *(Continued)*

To Use Selectable Speed Limit Assist

1. Press the [ ] Selectable Speed Limit Assist switch (The Selectable Speed Limit Assist display will be appeared and mark on the display is grey).

Selectable Speed Limit Assist display



Selectable Speed Limit Assist switch

2. Accelerate to the speed you want to set.
3. Make sure the travelling speed is within available speed setting range.
4. Push the Selectable Speed Limit Assist lever to [▼/ SET] side. Then the Selectable Speed Limit Assist is activated.
   - ► The current travelling speed is set, and then the set speed is displayed on the display.
   - ► mark on the display is changed green.

Set speed display



mark

Selectable Speed Limit Assist lever

To use Selectable Speed Limit Assist with preset mode

You can use the Selectable Speed Limit Assist with preset mode. Before activating the Selectable Speed Limit Assist with preset mode, setting the preset speed value on setting mode is needed. P.59

1. Press the [Selectable Speed Limit Assist] switch. The Selectable Speed Limit Assist display will be appeared.
2. Make sure the traveling speed is within available speed setting range.
3. Push the Selectable Speed Limit Assist lever to [▼/SET]. Then the Selectable Speed Limit Assist is activated.
   - ▶ The current traveling speed is set as set speed value and then the set speed is displayed on the display.
4. Press the Selectable Speed Limit Assist lever to [▲] side or [▼/SET] side. Then the Selectable Speed Limit Assist is activated with preset mode.
   - ▶ Pressing the Selectable Speed Limit Assist lever to [▲] side, the set speed value is set with higher speed in the preset speeds. If you have already selected maximum set speed value, set speed value is not changed to higher value when you press the lever to [▲] side.
   - ▶ Pressing the Selectable Speed Limit Assist lever to [▼/SET] the set speed value is set with lower speed in the preset speeds. If you have already selected minimum set speed value, set speed value is not changed to lower value when you press the lever to [▼/SET] side.

Selectable Speed Limit Assist *(Continued)*

When you press and hold the Selectable Speed Limit Assist switch while riding at the set speed value, you can accelerate beyond the set speed value. The Selectable Speed Limit Assist display and green mark on the display will flash while accelerating. If you slow down below the set speed, the Selectable Speed Limit Assist will be restored.

To Cancel Selectable Speed Limit Assist

Press the Selectable Speed Limit Assist switch. The Selectable Speed Limit Assist display will be disappeared.

Riding

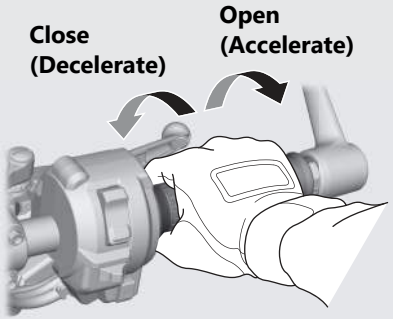
Starting the Vehicle

Make sure that the **READY** indicator comes on.

If the **READY** indicator does not come on, the vehicle cannot start. Activate the motor.

P.116

1. Get on the vehicle.
   - ▶ Mount the vehicle from the left side, keeping at least one foot on the ground.
   - ▶ Keep throttle closed.
2. Release the front brake lever or the rear brake pedal.
3. Acceleration and deceleration
   To accelerate: Open the throttle slowly.
   To decelerate: Close the throttle.
   - ▶ When the high voltage battery is nearly fully charged or when the high voltage battery temperature is low, regenerative braking may not work or may be less effective.

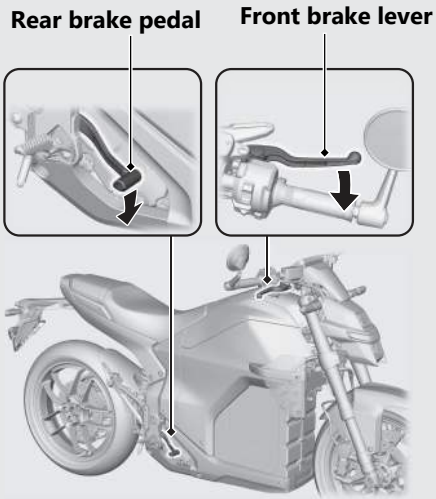


- Do not coasting at electrical system is off.
- Never operate the power switch at running the vehicle.

Riding *(Continued)*

Braking

Close the throttle and apply the front brake lever and rear brake pedal together.



Walking Speed Mode

The walking speed mode allows you to forward or reverse of a parking space at slow speed.

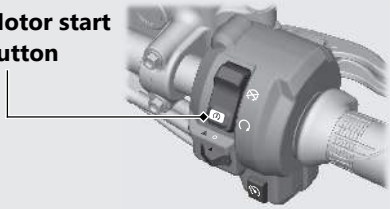
Before you move the vehicle forward or reverse, make sure there are no people or obstacles in the direction of travel.

Avoid steep or uneven surfaces. The walking speed mode is designed to move the vehicle at a slow speed using the throttle. To prevent the walking speed mode overloaded, if the vehicle cannot move in forward or reverse because of obstacles or a steep pavement angle, release close the throttle once and stop the walking speed mode.

Carefully roll the vehicle to more level, unobstructed surface without obstacles, and then activate the walking speed mode again.

Walking Speed Mode *(Continued)*

1. Stop the vehicle.
   - ▶ Sit astride the vehicle, in your normal riding position, with both feet on the ground.
2. Make sure the side stand is up.
3. Activate the motor. P.116



4 To moving in forward

Press the F/+ button.

While holding the button press, the vehicle is in standby for forward.

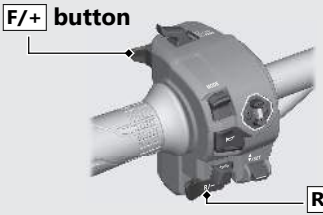
► When the vehicle is in standby for forward, "F" comes on.

To moving in Reverse

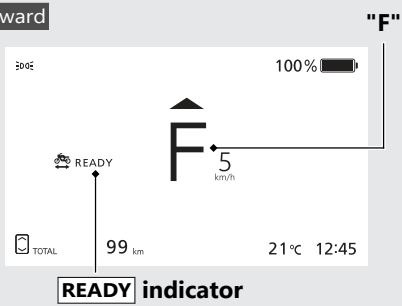
Press the R/- button.

While holding the button press, the vehicle is in standby for reverse.

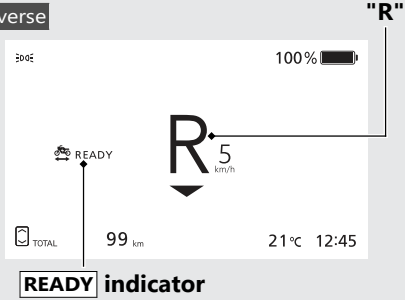
► When the vehicle is in standby for reverse, "R" comes on.



Forward

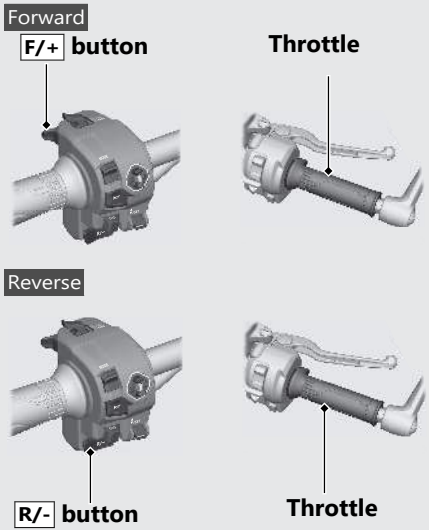


Reverse



Walking Speed Mode *(Continued)*

5. When you are ready to forward or reverse, open the throttle slowly.
   - ▶ The vehicle will move in forward or in reverse slowly as long as you hold F/+ or R/- button and open the throttle. Operating only F/+ or R/- button, the vehicle will not move in forward or reverse.

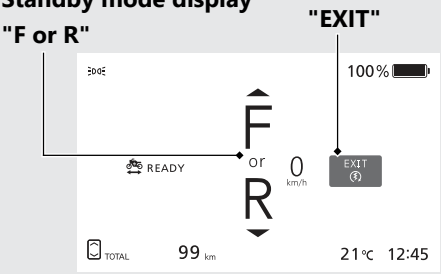


6 Guide the vehicle forward or reverse cautiously, using your legs to maintain balance.
Use extreme care to maintain balance while reversing on loose surfaces (sand, dirt, gravel) or slick pavement.

7 Completely, close the throttle, the vehicle will stop.
- ▶ When the vehicle stops, "F or R" will appear on the display and the vehicle will enter standby mode.
- ▶ When you shift from forward to reverse or reverse to forward, bring the vehicle complete stop. After you shift from forward to reverse or reverse to forward, make sure that the display is changed to the direction you want, "F" or "R".
- ▶ When the high voltage battery is nearly fully charged or when the high voltage battery temperature is low, regenerative braking may not work or may be less effective.

8 To deactivate walking speed mode, press the motor start button, while squeezing the front brake lever or rear brake pedal. The "EXIT" indicator disappear from display, and you can ride normally.

Standby mode display



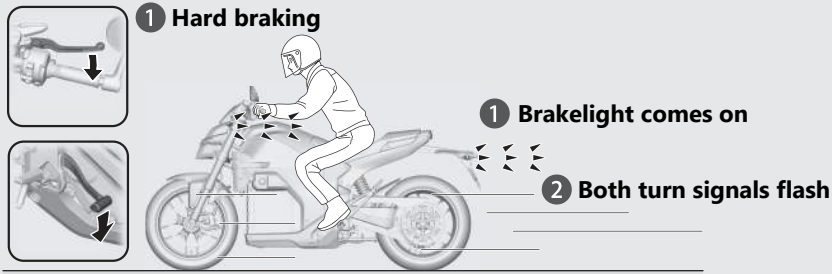
Emergency Stop Signal

Emergency stop signal activates when the system detects hard braking about 50 km/h (31 mph) or above to alert drivers behind you about sudden braking by rapidly flashing both turn signal lights. This may help to alert drivers behind you to take appropriate means to avoid a possible collision with your vehicle.

The emergency stop signal stops operating when:

- You release the brakes.
- The ABS is deactivated.
- Your vehicle's decelerating speed becomes moderate.
- You press the hazard switch.

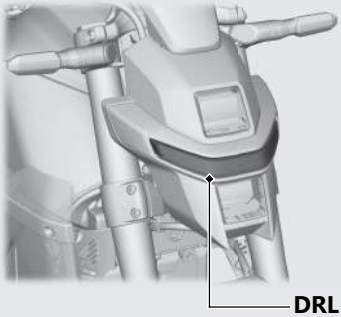
When the system activates:



- The emergency stop signal is not a system that can prevent a possible rear-end collision caused by your hard braking. It is always recommended to avoid hard braking unless it is absolutely necessary.
- The emergency stop signal does not activate while the hazard switch is on.
- If the ABS stops working for a certain period during braking, the emergency stop signal may not activate at all.

DRL (Daytime Running Light)

When the headlight dimmer/passing light control switch is turned to the position and DRL is set to (Auto) P.57, the headlights and DRL are switched automatically according to the ambient brightness.
When it gets brighter, DRL lights up, and when it gets dark, low beam lights up and DRL decreases to the brightness of the low beam light.



High Voltage Battery

Please use the high voltage battery specified by Honda for your vehicle.
Do not use the high voltage battery for anything other than your vehicle.
Always use Honda Genuine Parts to ensure reliability and safety.

Prohibitions for high voltage battery
Do not disassemble or modify the high voltage battery.

Do not place the vehicle in the following locations.

- Locations where there is flammable gas or combustible materials.
- Locations that are very cold or very hot, such as in direct sunlight or near a heater.
  ▶ Parking in very cold or hot conditions will cause the high voltage battery to deteriorate faster.

Follow the rules below.

- Do not puncture or deform it.
- Do not use it if it is damaged or deformed.
  ▶ If the high voltage battery is damaged or deformed, do not touch it. Contact your authorised dealer.

High Voltage Battery *(Continued)*

- If you notice anything unusual, such as smoke or smells coming from the high voltage battery, stop using it.
  - ▶ If you notice anything unusual, move away from the vehicle, and then contact your authorised dealer.
  - ▶ If you are charging the high voltage battery, disconnect the high voltage battery charger, move away from the vehicle, and then contact your authorised dealer.

⚠WARNING

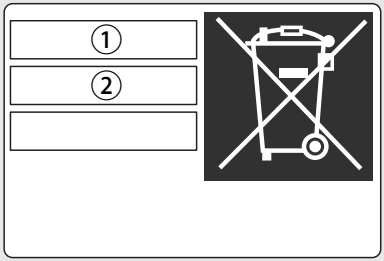
Mishandling the high voltage battery could result in electric shock or fire, which may kill or seriously hurt you.

Follow the procedures and instructions described in this manual regarding how to handle the high voltage battery.

To preserve the high voltage battery life, fully charging before riding is recommended.

Battery label

High voltage battery is accompanied by a label with the following information (The illustration is a example).



① Name and address of the manufacturer

② Name and address of the importer

Charging the High Voltage Battery

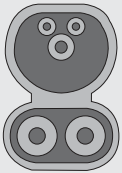
You can charge the high voltage battery using a wall outlet (Mode 2: Type 2 AC) or at a charging station (Mode 3: Type 2 AC and Mode 4: CCS2 DC).
When charging the high voltage battery in this vehicle, only use a cable that meets the applicable standard listed below.
Wall outlet
Mode 2 (Type 2 AC): IEC 62196-2 Type 2
Charging station
Mode 3 (Type 2 AC): IEC 62196-2 Type 2
Mode 4 (CCS2 DC): IEC 62196-3 CCS2

Connector shape

Type 2



CCS2



⚠WARNING

Use of an incompatible charging cable to charge the high-voltage battery in this vehicle can damage the battery and cause a fire that could kill or seriously injure you.

Before charging this vehicle, whether at home or at a charging station, confirm that the cable meets the previously listed applicable standard.

Charging the High Voltage Battery *(Continued)*

The high voltage battery charging cable produces electro-magnetic radiation during charging.

⚠WARNING

The electro-magnetic radiation produced during charging may affect the operation of electronic medical devices, which may kill or seriously hurt you.
Before they charge the high voltage battery, people using electronic medical devices, such as implanted cardiac pacemakers or implanted cardioverter defibrillators, should check with their physician or the manufacturer of the electronic medical device about the effects of charging.

Prohibitions when Charging

Do not disassemble or modify the high voltage battery.
Do not charge the high voltage battery in the following locations.

- Locations where there is flammable gas or combustible materials.
- Locations that are very cold.
- Locations exposed to rain or water.
- Locations where children or pets might play with them.

Follow the rules below when charging the high voltage battery.

- Do not charge where there is the risk of a electric storm.
- Do not use the charging cable near water or handling with wet hands.

- Do not use the charging cable, whose case is broken or cracked or whose cable is frayed or damaged.

⚠WARNING

Charging the high voltage battery under the following conditions is a potential source of electric shock and fire, which can result in serious injury or death:

- Charging the battery during an electric storm.
- Using the charging cable near water or handling with wet hands.
- Using a charging cable, whose case is broken or cracked or whose cable is frayed or damaged.

Never charge the vehicle in any of the above situations.

- Do not use a DC/AC inverter, or a generator for charging.
- Do not use the charging cable that is damaged or modified.

⚠WARNING

Using a charging cable that is damaged or modified can cause electrical shock and fire, which can result in serious injury or death.
Never disassemble or modify the charging cable. If the charging cable becomes damaged, stop using it and consult an authorised dealer.

- Do not charge while the charging cable is dusty, dirty, or rusty.

Charging the High Voltage Battery *(Continued)*

- Do not connect the connector and inlet if there is any contamination or foreign object in connector and inlet.
  ▶ If you find any contamination or foreign object in the connector or inlet, contact your authorised dealer.
- Do not charge while the vehicle is covered.
- Do not charge while the charging cable is wound up.
- Do not crush the charging cable by standing or placing heavy objects on it.
- Do not splash or submerge the vehicle or charging cable in water.
  ▶ If the charging cable or vehicle is submerged in water while you are charging, do not touch the charging cable or the vehicle. Contact your authorised dealer.
- Do not subject the charging cable or vehicle to excessive physical shock.
- Stop charging immediately if you smell anything unusual or see smoke.

Also follow the additional rules below when charging the high voltage battery with wall outlet (Mode 2: Type 2 AC).

- Charge from an electric outlet that is connected to an electric leakage circuit breaker.
- Do not charge if the electric outlet is loose.
- Do not charge if the electric outlet is damaged or deformed.
- Do not charge while the electric outlet is dusty, dirty, or rusty.
- Do not leave the charging cable plugged into the electric outlet after you finish charging.
- Do not pull on the cable when you pull out the plug.

- Do not move the vehicle when the charging cable is plugged into the electric outlet.
- Do not touch the vehicle when there is an increased risk of electric shock (e.g., with wet skin or bare feet) while the vehicle is being charged.

If inspections or repairs are needed, contact your authorised dealer.

⚠WARNING

Incorrectly charging the high voltage battery could result in electric shock or fire, which may kill or seriously hurt you. Follow the procedures and instructions described in this manual and instruction manual for charging cable regarding how to charge the high voltage battery.

Where to Charge

Charge the high voltage battery in the following locations.

- Level location where the vehicle is stable.
- Well ventilated location that is not damp.

Operating temperature for charging:
0 to 40 °C

When the high voltage battery temperature is below -10 °C or too high, charging is not possible.

▶ Charging outside the recommended temperature range may reduce charging capacity and riding distance.

Charging the High Voltage Battery *(Continued)*

Charging times will be slower when the high voltage battery temperature is high, such as after riding or in a high-temperature environment, or when temperatures are below 0°C.

Charging Time

For charge time the high voltage battery, confirm the below.

Charging with	Suggested charging time*
Mode 2 (AC 230 V, 10 amp)	5.5 hours (full charge)
Mode 3 (AC, 32 amp)	2.5 hours (full charge)
Mode 4 (CCS2 DC)	30 minutes (20-80 % charge)

*Full charging approximate time at an ambient temperature of 25℃.

The charging time may vary depending on the following conditions:

- Type and performance of the charger
- Ambient temperature and battery temperature during charging
- Usage conditions and battery life
- Remaining battery capacity before charging

You can see the remaining time until charging completion on the meter P.147

Charging the High Voltage Battery *(Continued)*

Precautions when Charging

- If you use 230 volt charging cable, make sure to use a dedicated and properly grounded circuit that can supply 10 amps continuously. The 230 volt charging cable draws approximately 10 amps.
  ▶ Have an electrician inspect the outlet you are using to see if it meets these criteria.

⚠WARNING

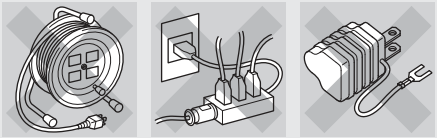
Using a 230 volt wall outlet that is rated less than 10 amps or one that is powering other devices can cause a fire, seriously injuring you or others.
When using the 230 volt charging cable, use a dedicated and properly grounded circuit rated 10 amps or more. Consult an electrician if you are not sure.

- When you plug the AC plug into the electric outlet, be sure to plug it all the way in.

⚠WARNING

Improper usage and handling of the 230 volt charger can cause a fire, seriously injuring you or others.

- Always insert the plug fully into a properly rated and grounded the wall outlet.
- Plug the charging cable directly to the wall outlet. Do not use extension cords or multi-plug adapters.
- Prevent the vehicle charging connector from becoming contaminated. Clean if necessary.



- Charging the high voltage battery when it is cold results in a low charge.
  ▶ If the battery is cold, you can recover the charge by charging the high voltage battery while they are warm after you have been riding.
- If the vehicle falls over while charging, stop charging immediately.
- The charging cable becomes hot during charging, but this is not a problem.
- You may hear static on the radio during charging.
- Charging stops during a power outage.

For other precautions, refer to the instruction manual for charging cable.

Procedure to Start Charging

There are two ways to charge the high voltage battery; by using a the Type 2 AC charger or CCS2 DC charger. Make sure to read the instruction manual for charging cable

When use the Type 2 AC charger

Charging equipment with the following identifier is compatible with AC charging.

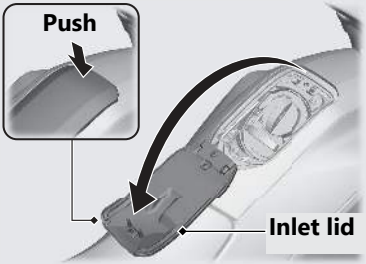


Be sure to follow the instruction and safety precautions provided with the AC charging equipment.

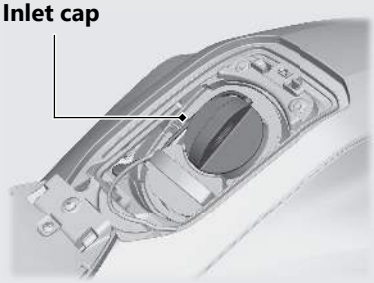
You can also set the CHARGING SOC LIMIT and CHARGING CURRENT LIMIT on the Setting mode. P.60

Charging the High Voltage Battery *(Continued)*

1. Place your vehicle on its side stand on a firm, level surface.
2. Make sure the electrical system is turned off.
3. Open the inlet lid by pushing the front of inlet lid.



4. Remove the inlet cap.



5. Connect the charging cable connector to the inlet. Charging screen is displayed on the meter display, and charging indicator comes on. P.147
   - ▶ Insert the charging cable connector in firmly.

When use the CCS2 DC charger

Charging equipment with the following identifier is compatible with DC charging.

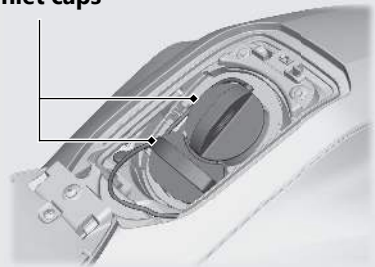


Be sure to follow the instruction and safety precautions provided with the DC charging equipment.

You can also set the CHARGING SOC LIMIT on the Setting mode. P.60

1. Place your vehicle on its side stand on a firm, level surface.
2. Make sure the electrical system is turned off.
3. Open the inlet lid. P.143
4. Remove the inlet caps.

Inlet caps



5. Connect the charging cable connector to the inlet. Charging screen is displayed on the meter display, and charging indicator comes on. P.147
   - ▶ Insert the charging cable connector in firmly.
   - ▶ Do not use any charging cables longer than 30 m (98.4 ft.).

Charging the High Voltage Battery *(Continued)*

Procedure to Stop Charging

When use the Type 2 AC charger

1. Activate the electrical system of the vehicle.
2. Remove the Type 2 AC charging cable connector from the inlet.
   - ▶ If you are using a public charger, you can unplug the charging cable connector by stopping charging on the charging device.
   - ▶ The charging cable connector will not be unlocked unless you have the Honda SMART Key.

   Emergency charging cable connector unlock P.211
3. Install the inlet cap.
   - ▶ To prevent entry of foreign matter into the socket, be sure to close the inlet cap when the inlet is not used.
4. Close the inlet lid.
5. Turn the electrical system to the off.

When use the CCS2 DC charger

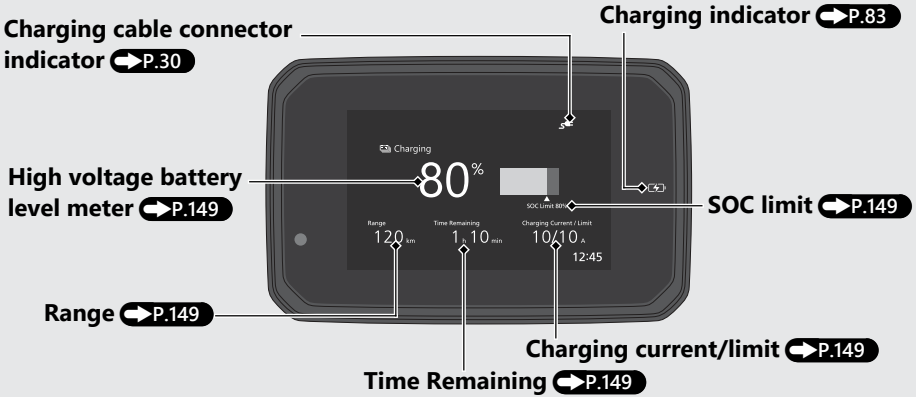
1. Activate the electrical system of the vehicle.
2. Remove the CCS2 DC charging cable connector from the inlet.
   - ▶ If you are using a public charger, you can unplug the charging cable connector by stopping charging on the charging device.
   - ▶ The charging cable connector will not be unlocked unless you have the Honda SMART Key.

   Emergency charging cable connector unlock P.211
3. Install the inlet caps.
   - ▶ To prevent entry of foreign matter into the socket, be sure to close the inlet cap when the inlet is not used.
4. Close the inlet lid.
5. Turn the electrical system to the off.

Charging Screen

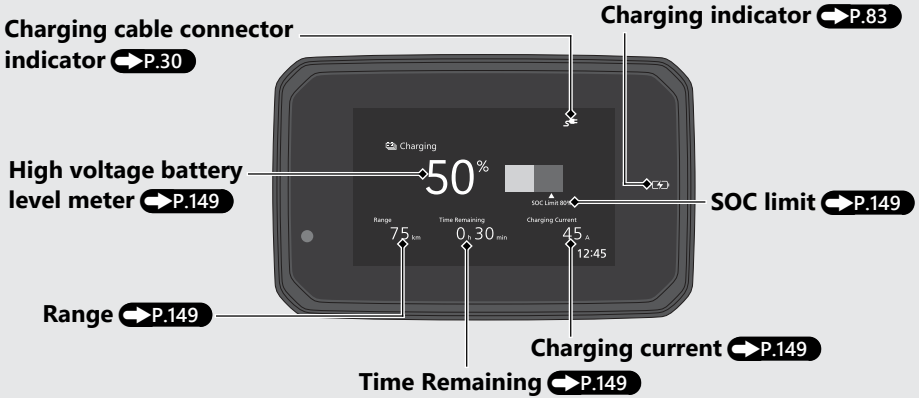
Shows the remaining charge for the high voltage battery while charging.
When connecting the Type 2 AC or CCS2 DC charging cable connector to the vehicle, the meter will show the charging status appears and charging indicator comes on.

AC charging cable connected display



Charging the High Voltage Battery *(Continued)*

DC charging cable connector connected display



If the high voltage battery is Not Charged P.193

High voltage battery level meter

Displays the high voltage battery charging level.

High voltage battery level meter failure indication P.203

SOC limit

Displays the SOC (State Of Charge) limit.
You can change the SOC limit . P.60

Range

Displays the estimated distance you can travel on the remaining charge for the high voltage battery. P.41

- ▶ The indicated available riding distance is calculated based on the riding and high voltage battery condition and may not always be the actual available riding distance.

Time Remaining

Displays the remaining time to complete charging.
If the Time remaining is 14 minutes or less, "--" will be displayed.

- ▶ The indicated charge time is may not always be the actual available charge time.

Charging current/limit

Displays the charging current and charging current limit.

- ▶ When use the DC charging, only display the charging current.
- ▶ When use the AC charging, you can change the charging current limit. P.60
- ▶ The indicated charging current is may not always be actual charging current.

12 V Battery Automatic Charge Mode

This vehicle regularly monitors the voltage of the 12 V battery.

If the voltage of the 12 V battery drops, the 12 V battery is automatically recharged from the high voltage battery, allowing the vehicle to start quickly after long-term storage.

- After the electrical system is switched off, the voltage of the 12 V battery is monitored periodically.
- Some electrical components may operate during recharging.
- To protect the high voltage battery, do not store the vehicle for long periods with a low 12 V battery voltage.
- If the SOC of the high voltage battery is low, the 12 V battery may not be recharged.

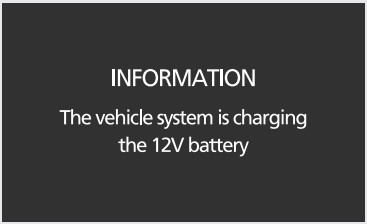
Recharging confirmation/cancellation

High voltage circuits are active during recharging. Recharging must be stopped before carrying out maintenance work.

To checking if recharge is in progress

While the electrical system is turned off, press the one direction of the ▲ ▼ ◀ ▶ sel switch.

▶ If recharging is in progress, a caution screen will be displayed.



To cancel recharge

Turn the electrical system to the on and to the off again.

After 24 hours, the automatic recharging will be started.

After that if carrying out maintenance work, remove the 12 V battery terminals. P.172

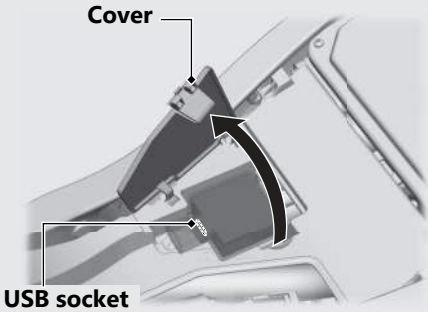
USB Socket

The USB socket is located under the seat.
Use USB devices at your own risk. In no event shall Honda be liable for any damages to your USB device when in use.

Only USB devices within the following specifications can be connected.
USB type-C connectors can be used.
Rated capacity is
15.0 W (5 V, 3.0 A).
► The USB socket is for charging only.
Do not connect USB devices that exceed the rated capacity. They may not be charged or work properly even if connected.
For information on usage or malfunction of the USB device you connect, refer to its instruction manual.

To connect your USB device

1. Remove the seat. P.175
2. Open the cover to access the USB socket.
3. Connect a certified USB cable to the USB socket.



❹ Make sure the USB cable is not dangling.

- ▶ When the USB socket is used, activate the electrical system.
- ▶ To prevent entry of foreign matter into the USB socket, be sure to close the cover when the USB socket is not used.
- ▶ Carefully secure all connected devices, as vibration may cause damage to them or they could shift unexpectedly.

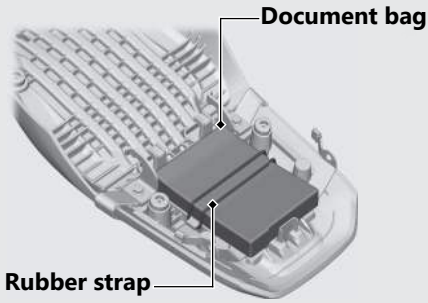
NOTICE

- Using any heat-generating accessory or improperly rated accessory can damage the socket.
- Do not use the socket in wet conditions, when or while washing or any other wet conditions as these will damage the socket.
- Do not allow the accessory's harness to become pinched or trapped.
- Do not allow the accessory's harness to interfere with the steering or controls.

Storage Equipment

Document Bag

The document bag is located underside of the seat by the rubber strap.

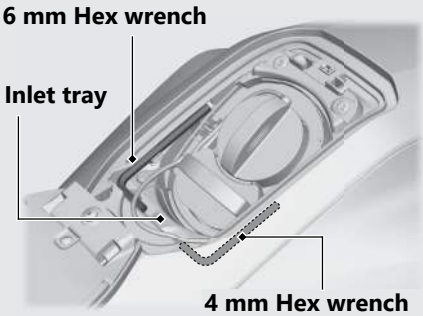


Removing the seat P.175

6 mm and 4 mm Hex wrenches

6 mm and 4 mm hex wrenches are stored on the inlet tray.

To access the hex wrenches, open the the inlet lid. P.143



Maintenance

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

Importance of Maintenance ..... P. 156
Maintenance Schedule ..... P. 157
Maintenance Fundamentals ..... P. 160
Tools ..... P. 171
Removing & Installing Body Components ..... P. 172
- 12 V Battery ..... P. 172
- Clip ..... P. 173
- Inlet cover ..... P. 174
- Seat ..... P. 175

Coolant ..... P. 177
Brakes ..... P. 179
Side Stand ..... P. 182
Throttle ..... P. 183
Other Adjustments ..... P. 184
- Adjusting the Brake Lever ..... P. 184
- Adjusting the Rear Suspension ..... P. 185

Other Replacement ..... P. 186
- Replacing the Honda SMART Key Battery ..... P. 186

Importance of Maintenance

Keeping your vehicle well-maintained is absolutely essential to your safety and to protect your investment, obtain maximum performance and avoid breakdowns. 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. 157

⚠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.

- Turn the electrical system off.
- Place your vehicle on a firm, level surface using the side stand or a maintenance stand to provide support.
- Allow the area near the motor, the brakes, and other high-temperature parts to cool before servicing as you can get burned.

Maintenance Schedule

The maintenance schedule specifies the maintenance requirements necessary to ensure safe and dependable performance.

Maintenance work should be performed in accordance with Honda's standards and specifications by properly trained and equipped technicians. Your authorised 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 authorised 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 authorised dealer should road test your vehicle after each periodic maintenance is carried out.

Continued

Items		Pre-ride Check ➡ P. 160	Odometer Readings *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
Honda Diagnostic System	✕			I	I	I	I	I	I	I			–
High Voltage Battery	✕			I	I	I	I	I	I	I			–
High Voltage Battery Level		I											33
Throttle Operation	🔧	I			I	I	I	I	I	I	I		183
Radiator Coolant*2	✕	I				I		I		I	I	10 Years, Thereafter every 6 Years	177
Cooling System	🔧					I		I		I	I		–
Drive Belt	🔧	I		I		I		I		I			167
Driven Pully	✕			I		I		I		I			–
Reduction Gear Oil *2	🔧											4 Years	–
Brake Fluid *2		I			I	I	I	I	I	I	I	2 Years	179
Brake Pads Wear		I			I	I	I	I	I	I	I		180
Brake System				I	I	I	I	I	I	I	I		160

Maintenance Level

🔧 : Intermediate. We recommend service by your authorised 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 authorised dealer.

Maintenance Legend

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

Items		Pre-ride Check ➡ P. 160	Odometer Readings *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
Brakelight Switch					I	I	I	I	I	I	I		181
Headlight Aim					I	I	I	I	I	I	I		–
Lights/Horn		I											160
Reverse Operation						I		I		I			125
Motor Stop Switch		I											90
Side Stand		I			I	I	I	I	I	I	I		182
Suspension					I	I	I	I	I	I	I		–
Nuts, Bolts, Fasteners				I		I		I		I	I		–
Wheels/Tyres		I			I	I	I	I	I	I	I		168
Steering Head Bearings						I		I		I	I		–

Notes:

*1 : At higher odometer reading, repeat at the frequency interval established here.
*2 : 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.

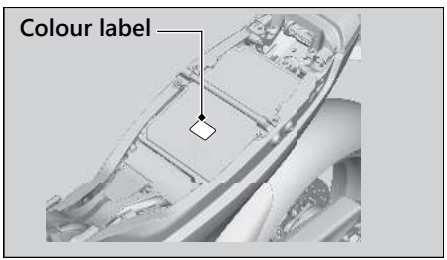
Check the following items before you get on your vehicle:

- High voltage battery charge - Check remaining charge for the high voltage battery, charge if necessary ➔ P. 33
- Throttle - Check for smooth opening and full closing in all steering positions. ➔ P. 183
- Coolant level - Add coolant if required. Check for leaks. ➔ P. 177
- Drive belt - Check condition.
- Brakes - Check operation;
  Front and Rear: check brake fluid level and pads wear ➔ P. 179, ➔ P. 180
- Lights and horn - Check that lights, indicators and horn function properly.
- Motor stop switch - Check for proper function. ➔ P. 90
- Side stand motor drive cut-off system - Check for proper function. ➔ P. 182
- Wheels and tyres - Check condition, air pressure and adjust if necessary. ➔ P. 168

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 located under the seat.
➔P. 175



⚠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.

High Voltage Battery

If you use the high voltage battery for an extended time, their capacitance will steadily degrade. Therefore, the mileage becomes shorter compared to when you started using your vehicle as when it was new.
When the SOH (State of Health) becomes low, some indicators related battery may come on.

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 high voltage battery contains combustible organic solvents as an electrolyte solution.
Mistakenly handling the high voltage battery may result in burns or serious injuries.

- Keep the high voltage battery away from sparks, open flames, and heat sources that cause high temperatures.
- Keep the high voltage battery out of the reach of children.
- Do not disassemble or modify the high voltage battery.
- Do not subject the high voltage battery to excessive physical shock.

12 V Battery

Your vehicle has a maintenance-free type 12 V battery. You do not have to check the 12 V battery electrolyte level or add distilled water. Clean the 12 V battery terminals if they become dirty or corroded.
Do not remove the 12 V battery cap seals. There is no need to remove the cap when charging.

NOTICE
Your 12 V battery is a maintenance-free type and can be permanently damaged if the cap strip is removed.



This symbol on the 12 V battery means that this product must not be treated as household waste.

NOTICE
An improperly disposed of 12 V battery can be harmful to the environment and human health. Always confirm local regulations for proper 12 V 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

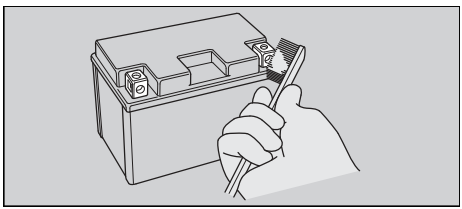
The 12 V battery gives off explosive hydrogen gas during normal operation.

A spark or flame can cause the 12 V 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 12 V battery servicing.

Cleaning the 12 V Battery Terminals

1. Remove the 12 V battery. P. 172
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.
3. If the terminals are heavily corroded, clean and polish the terminals with a wire brush or sandpaper. Wear safety glasses.



4. After cleaning, reinstall the 12 V battery.

The 12 V battery has a limited life span. Consult your authorised dealer about when you should replace the 12 V battery. Always replace the 12 V battery with another maintenance-free 12 V battery of the same type.

NOTICE

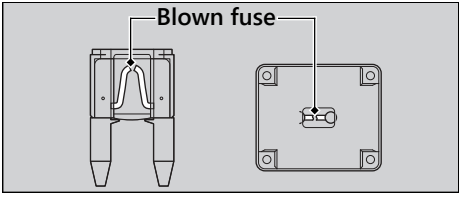
Installing non-Honda electrical accessories can overload the electrical system, discharging the 12 V battery and possibly damaging the system.

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. 216

Inspecting and Replacing Fuses

Turn the power 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. 239



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 authorised dealer.

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 authorised 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 4 Brake Fluid or equivalent

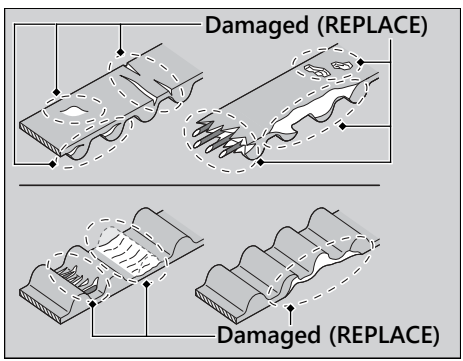
Drive Belt

Before riding, inspect the drive belt for wear, damage or crack.
The drive belt also needs to be inspected and adjusted regularly. Contact your dealer to inspect and adjust the drive belt.

▶ You may hear the drive belt resonate when riding at certain speeds, but this is not abnormal.

Inspecting the drive belt

Inspect the drive belt for wear, damage or crack.
If the drive belt is worn, damaged, or cracked, have your dealer inspect and replace it.



Recommended Coolant

Except Hong Kong

Pro Honda HP Coolant is a pre-mixed solution of antifreeze and distilled water.

Concentration:
50% antifreeze and 50% distilled water

A concentration of antifreeze below 40% will not provide proper corrosion and cold temperature protection.
A concentration of up to 60% will provide better protection in colder climates.

Hong Kong

Use only genuine HONDA PRE-MIX COOLANT without diluting with water. Genuine HONDA PRE-MIX COOLANT is excellent at preventing corrosion and overheating.
The coolant should be inspected and replaced properly by following the maintenance schedule. ➡ P. 157

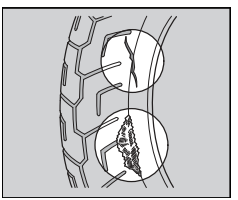
NOTICE
Using coolant not specified for aluminium engines or tap/mineral water can cause corrosion.

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.

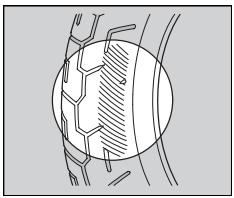
Inspecting for Damage



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.

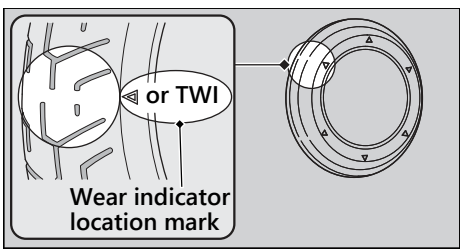
Inspecting for Abnormal Wear

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.

Germany

German law prohibits use of tyres whose tread depth is less than 1.6 mm.

Have your tyres replaced by your authorised dealer.
For recommended tyres and air pressure, see "Specifications." P. 238
Follow these guidelines whenever you replace tyres:

- Use the recommended tyres or their equivalents of the same size, construction, speed rating, and load range.
- Have the wheel balanced with Honda Genuine balance weights or equivalent after the tyre is installed.
- 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.

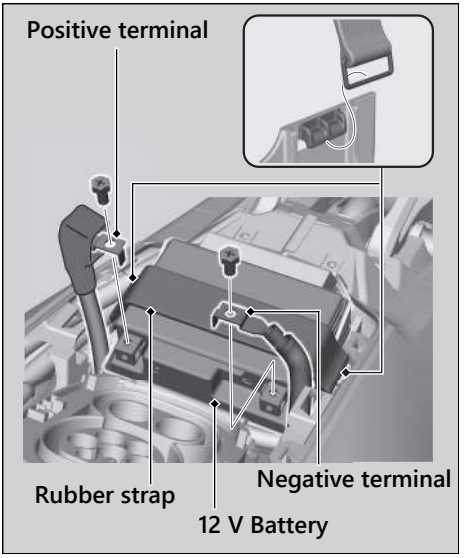
Tools

The 6 mm Hex wrench and 4 mm Hex wrench are stored on the inlet tray. P. 154

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

- 6 mm Hex wrench
- 4 mm Hex wrench

12 V Battery



Removal

Make sure the electrical system is turned off.

1. Cancel the 12 V battery automatic charge mode. P. 150
2. Remove the seat. P. 175
3. Remove the inlet cover. P. 174
4. Unhook the rubber strap.
5. Disconnect the negative ⊖ terminal from the 12 V battery.
6. Disconnect the positive ⊕ terminal from the 12 V battery.
7. Remove the 12 V 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 12 V battery is reconnected. ➡P. 69

For proper handling of the 12 V battery, see
"Maintenance Fundamentals." ➡P. 163
"12 V Battery Goes Dead." ➡P. 215

Clip

Removal

1. Press down on the centre pin to release the lock.
2. Pull the clip out of the hole.



Installation

1. Push the bottom of the centre pin.



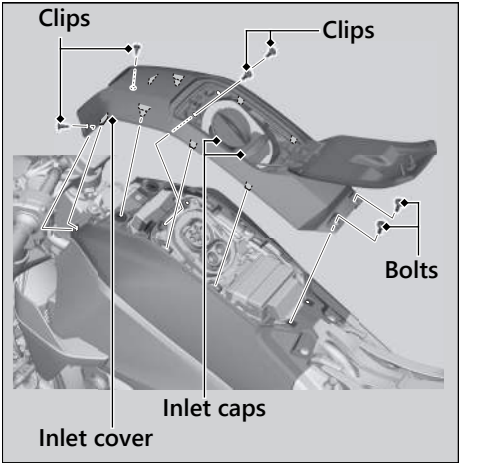
2. Insert the clip into the hole.
3. Press down on the centre pin to lock the clip.

Inlet cover

Make sure the electrical system is turned off.

Removal

1. Cancel the 12 V battery automatic charge mode. P. 150
2. Open the inlet lid. P. 143
3. Remove the inlet caps.
4. Remove the seat. P. 175
5. Remove the bolts and clips. P. 173
6. Remove the inlet cover.



Installation

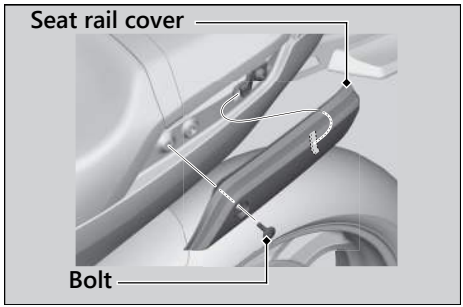
Install the parts in the reverse order of removal.

Seat

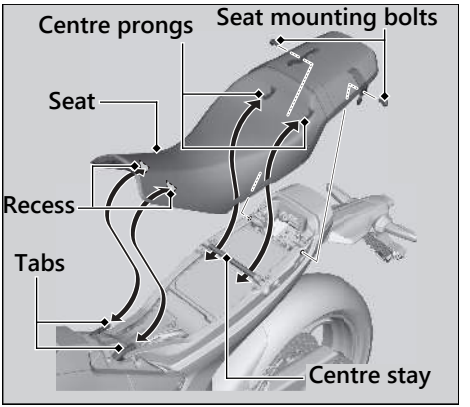
Make sure the electrical system is turned off. Do not store any items under the seat that are flammable or susceptible to heat damage.

Removal

1. Cancel the 12 V battery automatic charge mode. P. 150
2. Remove the seat rail covers by removing the bolts.
   ▶ The left side and right side seat rail covers can be removed in the same way.



3. Remove the seat mounting bolts.
4. Pull the seat back and up.



Installation

1. Insert the tabs into the recess.
2. Insert the centre prongs into the centre stay.
3. Install the seat mounting bolts, and tighten the mounting bolts securely.

Torque: 27 N·m (2.8 kgf·m, 20 lbf·ft)

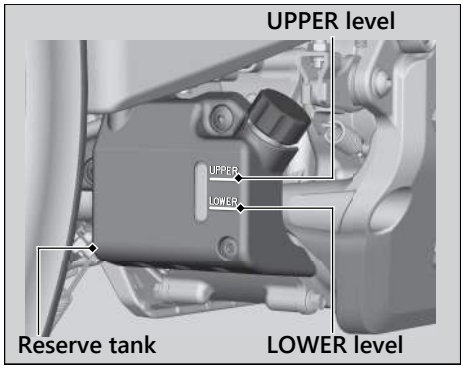
4. Install seat rail covers and bolts, and tighten the bolts securely.

Checking the Coolant

Check the coolant level in the reserve tank while the motor and radiator are cold.

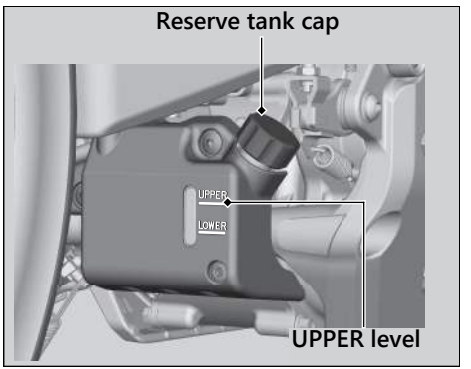
1. Check that the coolant level is between the UPPER level and LOWER level marks on the reserve tank.
2. Hold your vehicle in an upright position.
3. Check that the coolant level is between the UPPER level and LOWER level marks on the reserve tank.

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



Adding Coolant

If the coolant level is below the LOWER level mark, add the recommended coolant (P. 168) until the level reaches the UPPER level mark.
Add fluid only from the reserve tank cap and do not remove the radiator cap.



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

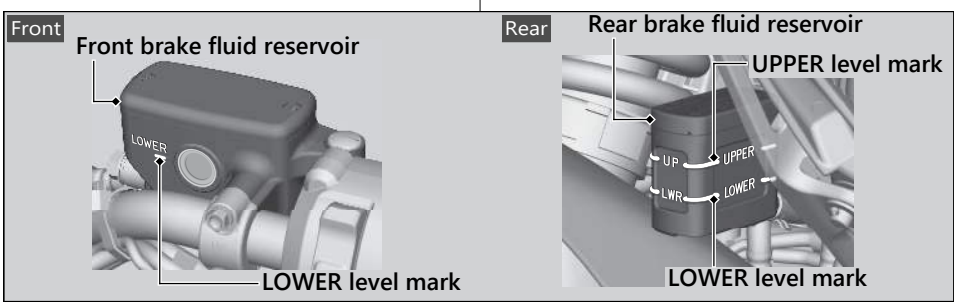
⚠WARNING

Removing the radiator cap while the motor and radiator are hot can cause the coolant to spray out, potentially scalding you.
Always let the motor and radiator cool down before removing the radiator cap.

Checking Brake Fluid

1. Place your vehicle in an upright position on a firm, level surface.
2. Front Check that the brake fluid reservoir is horizontal and that fluid level is above the LOWER level mark.
   Rear Check that the brake fluid reservoir is horizontal and that fluid level is between the LOWER level and UPPER level marks.

If the brake fluid level in either reservoir is below the LOWER level mark or the brake lever and pedal 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 authorised dealer.



Inspecting the Brake Pads

Check the condition of the brake pad wear indicators.

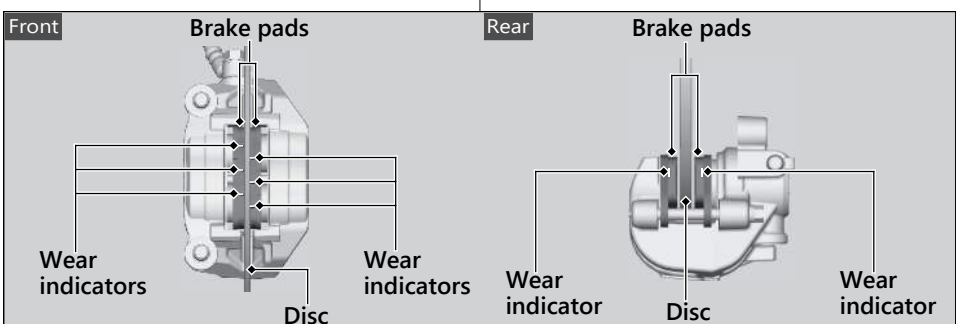
Front The pads need to be replaced if a brake pad is worn to the bottom of the indicator.

Rear The pads need to be replaced if a brake pad is worn to the indicator.

1. Front Inspect the brake pads from in front of the brake caliper.
   ▶ Always inspect both left and right brake calipers.
2. Rear Inspect the brake pads from the rear right of the vehicle.

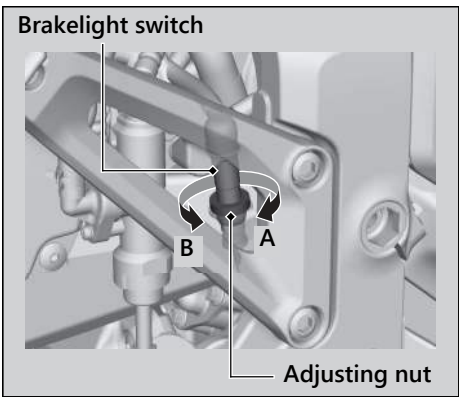
If necessary, have the pads replaced by your authorised dealer.

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



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.



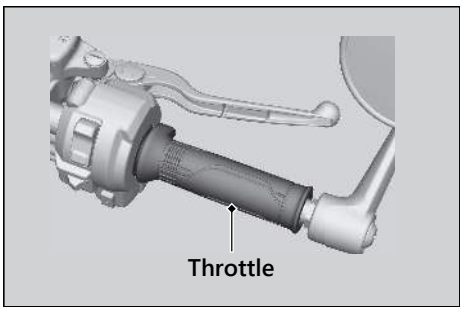
Checking the Side Stand



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 springs for damage or loss of tension.
3. Sit on the vehicle and raise the side stand.
4. Activate the motor.
5. Lower the side stand all the way. The motor will not run, even if you open the throttle grip. If the motor does not stop and you can still ride your vehicle, have it inspected by your authorised dealer.

Checking the Throttle

With the electrical system is turned off, check that the throttle rotates smoothly from fully closed to fully open. If the throttle does not move smoothly or close automatically, have the vehicle inspected by your dealer.



Adjusting the Brake Lever

You can adjust the distance between the brake lever and handle grip.

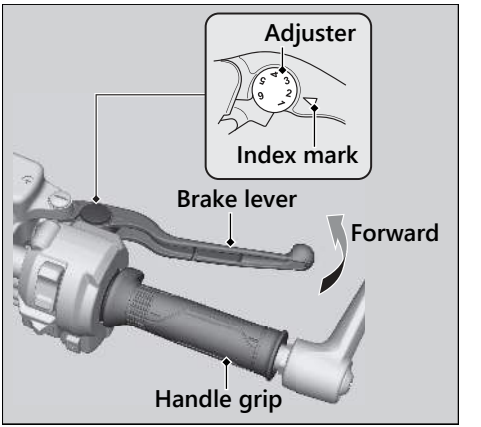
Adjustment method

Turn the adjuster until the numbers align with the index mark while pushing the lever forward in the desired position.

After adjustment, check that the lever operates correctly before riding.

NOTICE

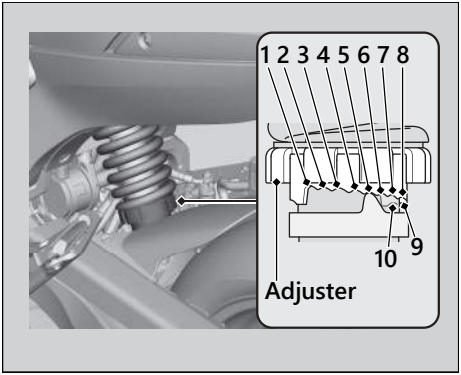
Do not turn the adjuster beyond its natural limit.



Adjusting the Rear Suspension

Spring Preload

You can adjust the spring preload by the adjuster to suit the load or the road surface. Adjusting the suspension requires a pin spanner. We recommend that you have your vehicle serviced by your dealer.
The preload adjuster has 10 positions. Positions 1 to 4 is for a decrease spring preload (soft), or turn the position 6 to 10 is for an increase spring preload (hard). The standard position is 5.



NOTICE
Do not turn the adjuster beyond its limits. Attempting to adjust directly from 1 to 10 or 10 to 1 may damage the shock absorber.

NOTICE
The rear shock absorber damper unit contains high pressure nitrogen gas. Do not attempt to disassemble, service, or improperly dispose of the damper. See your dealer.

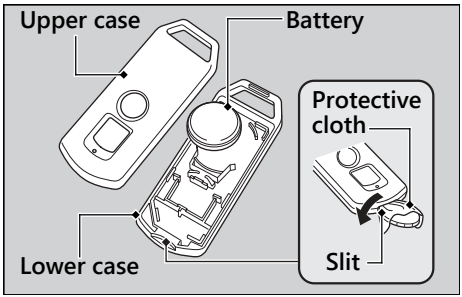
Replacing the Honda SMART Key Battery

If the Honda SMART Key indicator flashes 5 times when the electrical system is turned on, 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/CR2032H

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



2. Replace the old battery with a new battery with the negative ⊖ side facing up.
3. Snap the two halves of the 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

Electric Vehicle Does Not Ride ..... P. 190
High Voltage Battery is Not Charged ..... P. 193
Overheating (High coolant temperature/ warning indicators are on) ..... P. 196
Warning Indicators On or Flashing ..... P. 197
ABS (Anti-lock Brake System) Indicator ..... P. 197
Torque Control Indicator ..... P. 198
System Fail Indicator ..... P. 199
Malfunction Indicator Lamp (MIL) ..... P. 199
Power Limitation Indicator ..... P. 200
Regenerative Braking OFF Indicator ..... P. 201
Honda SMART Key Indicator ..... P. 202
Other Warning Indications ..... P. 203
High Voltage battery Gauge or High Voltage battery Meter Failure Indication ..... P. 203
Handle Grip Heater Failure Indication ..... P. 204
When the Honda SMART Key System Does Not Operate Properly ..... P. 205
Activating the Electrical System in an Emergency ..... P. 207
Tyre Puncture ..... P. 212
Smartphone Pairing Trouble ..... P. 213
Electrical Trouble ..... P. 215
12 V Battery Goes Dead ..... P. 215
Burned-out Light Bulb ..... P. 215
Blown Fuse ..... P. 216

When the Display Does Not Appear Even When You Activate the Electric System

Check the following items:

- Make sure you have your Honda Smart Key.
- Check that the Honda SMART Key system status is activated. P. 94
- Check that the Honda SMART Key battery condition. P. 186
- Check for a blown fuse. P. 216
- Check for a loose 12 V battery connection (P. 172) or 12 V battery terminal corrosion (P. 163).

If the display does not appear, the 12 V battery may be dead. Have your authorised dealer inspect or replace the 12 V battery.

When the PUSH START/READY Indicator Does Not Flash

Check the following items:

- Make sure the side stand is up.
- Make sure the throttle completely closed.
- Make sure the charging cable connector does not connected.

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

Motor Does Not Operate

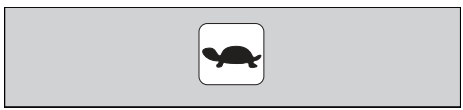
Check the following items:

- Is there any charge remaining for the high voltage battery? P. 28
- Is electric system indicator ⚠ comes on?
  ▶ If it comes on, contact your authorised dealer immediately.
- Is system fail indicator come on?
  ▶ If it comes on, contact your authorised dealer immediately.

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

When the Power limitation Indicator Comes On

If an abnormal temperature on high voltage battery or other electrical system or low SOC (State Of Charge) on high voltage battery is detected, power limitation indicator comes on to preserve the high voltage battery and other electrical system. The power is limited, but you can still ride. P. 200



▶ If the **READY** indicator goes off, you cannot ride your vehicle.
Turn off the electrical system, wait a little while, and then activate the electrical system. If the symptoms do not improve, contact your authorised dealer.

When the High Voltage Battery Indicator Comes On

This comes on if there is an abnormality with the high voltage battery.



Contact your authorised dealer immediately.

High Voltage Battery is Not Charged

Check the following points. If they are not applicable or if the symptoms do not improve, even though you have tried the solutions, contact your authorised dealer.

Problem	Items to check and inspect
The charge indicator flashes, and the electrical system become off.	● Are you charging the vehicle directly after riding? ▶ Wait a while before charging. ● Are you charging the vehicle somewhere very cold? ▶ Charge your vehicle in a recommended location. P. 139

In case these problems observed, once try disconnecting AC charging cable connector and DC charging cable connector, turn the electrical system to the off and follow the correct procedure as per owner's manual after leaving for a while.

Problem	Items to check and inspect
The charge indicator flashing and charging connector indicator comes on 	● Is the power out? ● Did the circuit breaker trip? ● Did the earth leakage breaker trip?
The charging connector indicator comes on but charge indicator does not come on 	● Is the electrical system to the on ? ● Is the AC plug firmly inserted into the electric outlet? ● Is the charging cable connector broken or the plug damaged? ▶ If you discover breakage or damage, have your authorised dealer do repairs. ● Is the vehicle being charged from an DC/AC inverter or power generator? ▶ Stop use and charge in the specified charging environment. P. 136

Problem	Items to check and inspect
Both indicators does not come on (Meter display is off) 	● Is the high voltage battery charged to the selected CHARGING SOC LIMIT? ▶ Check the remaining charge for the high voltage battery and the selected CHARGING SOC LIMIT. ➔P. 30, ➔P. 60 ● Are the DC charging cable connector and AC charging cable connector connected firmly? ● Is the cable broken or vehicle/charger side connector damaged? ▶ If you discover breakage or damage, have your authorised dealer do repairs.

Overheating (High coolant temperature/warning indicators are on)

The electrical system is overheating when the following occurs:

- High coolant temperature indicator and warning indicator come on.
- Acceleration becomes sluggish.
- Charging time become long (AC charging only).

If this occurs, pull safely to the side of the road and perform the following procedure.

NOTICE

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

1. Turn off the electrical system and then turn on the electrical system.
2. Check that the radiator fan is operating, and then turn the electrical system off.

   If the fan is not operating:

   Suspect a fault. Do not activate the electrical system. Transport your vehicle to your dealer.

   If the fan is operating:

   Allow the electrical system to cool with the electrical system turned off.
3. After the electrical system has cooled, inspect the radiator hose and check if there is a leak. P. 177

   If there is a leak:

   Do not activate the electrical system. Transport your vehicle to your dealer.
4. Check the coolant level in the reserve tank. P. 177

   ▶ Add coolant as necessary.
5. If 1-4 check normal, you may continue riding, but closely monitor the high coolant temperature indicator.

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 authorised dealer as soon as possible.

- Indicator comes on or starts flashing while riding.
- 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 electrical system off and on again. The ABS indicator will go off after your speed reaches 30 km/h (19 mph).

Torque Control Indicator

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

- Indicator comes and stays on (solid) while riding.

Even when the Torque Control indicator is on, your vehicle will have normal riding ability without Torque Control function.

▶ When the indicator comes on while the Torque Control is in operation, you will have to completely close the throttle to regain normal riding ability.

The Torque Control indicator may come on if you rotate the rear wheel while your vehicle is lifted off the ground. In this case, turn the electrical system off and on again.

System Fail Indicator

If the indicator comes on while electrical system in the on, you may have a serious problem.
Reduce speed and have your vehicle inspected by your authorised dealer as soon as possible.
If you stop the vehicle with the throttle open while **READY** indicator comes on, the system fail indicator may come on, follow the instructions below.

- Do not keep the throttle open while applying the brakes.
- Do not slightly turn the throttle on an upslope, as if applying the brakes to stop.

If the system fail indicator comes on if you do not follow the above instructions, stop the vehicle with throttle closed.
If the system fail indicator does not go off, have your vehicle inspected by your authorised dealer as soon as possible.

Malfunction Indicator Lamp (MIL)

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

Power Limitation Indicator

To protect the high voltage battery and other electrical system, the power limitation indicator come on and power is limited under the following conditions.

- If the temperature of high voltage battery or other electrical system rise due to high speed riding, riding uphill, or repeated quick charging.
  Pay particular attention to the following operations:
  - ▶ Do not keep the throttle open while braking.
  - ▶ When riding uphill, do not lightly apply the throttle as if braking to a stop.
- If the vehicle temperature is below freezing.
- If the SOC (State of Charge) is below 20%.

The power limitation indicator also flash before power limitation occurs to inform you that power limitation is imminent.
If the cause of the power limitation is resolved, the power limitation will gradually be released, and eventually the power limitation indicator will turn off and the power limitation will be lifted completely.

Regenerative Braking OFF Indicator

The regenerative braking OFF indicator will come on and the regenerative braking will stop under the following conditions.

- When the SOC(State of Charge) of the hight voltage battery is close to 100%.
- When the hight voltage battery temperature is too high.
- When the hight voltage battery temperature is below freezing.

The regenerative braking OFF indicator also flashes before regenerative braking OFF to inform you that the regenerative braking OFF is imminent.

If the cause of the regenerative braking OFF is close to being resolved, the regenerative braking OFF indicator will flashes, Then the cause is resolved completely, the regenerative braking OFF indicator will turn off and the regenerative braking will activate.

If you select the level 0 (Regenerative braking OFF) in the deceleration power selector, Regenerative braking will deactivates and the regenerative braking OFF indicator will come on. P. 113

If the regenerative braking OFF indicator comes on with the torque control indicator comes on, there is a HSTC abnormality and the regenerative braking becomes off, have your vehicle inspected by your authorised dealer as soon as possible.

Honda SMART Key Indicator

When the Honda SMART Key indicator flashes 5 times

Replacing the Honda SMART Key Battery ➡P. 186

When the Honda SMART Key indicator is flashing while the electrical system is on

The Honda SMART Key indicator flashes when communication between your vehicle and Honda SMART Key stops after turning on the electrical system.

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 power switch is locked.

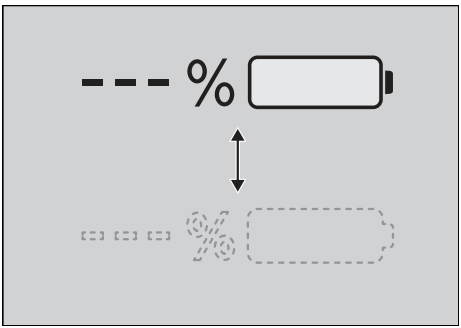
You may not be able to turn off the electrical system when losing the Honda SMART Key while riding, or if the battery is low, or because the system is affected by strong radio waves or noise. If this occurs, turn the ignition switch knob ○/🔒 (Off/Lock) counterclockwise and hold it until the electrical system shut off.

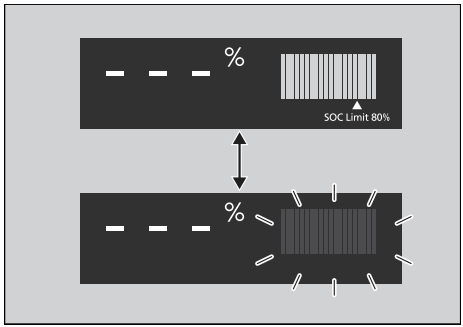
You can also turn off the electrical system by turning the ignition switch knob ○/🔒 (Off/Lock) counterclockwise 3 times within 3 seconds.

If you do not have the Honda SMART Key, the electrical system can be activated in another way. ➡P. 207

High Voltage battery Gauge or High Voltage battery Meter Failure Indication

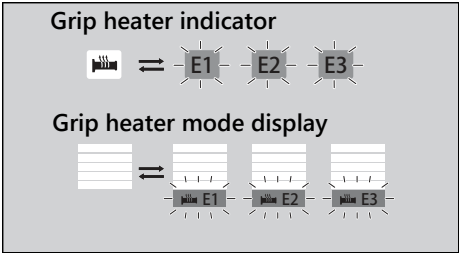
When the high voltage battery gauge or high voltage battery meter is such as in the diagram, contact your authorised dealer.





Handle Grip Heater Failure Indication

If the grip heater system has an error, the grip heater indicators and grip heater mode display 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 press the ON/OFF button on the Honda SMART Key.
  If the Honda SMART Key LED is red, activate the Honda SMART Key system. ➔P. 94
  If the Honda SMART Key LED does not respond, replace the battery. ➔P. 186
- Check that there is no communication failure in the Honda SMART Key system. The Honda SMART Key system uses low-intensity radio waves. The Honda SMART Key system may not work properly in the following conditions:
  - ▶ When there are facilities nearby that generate strong radio waves or noise such as TV towers, power stations, radio stations, or airports.
  - ▶ When you carry the Honda SMART Key with a laptop or wireless communication device such as a radio or mobile phone.
  - ▶ When the Honda SMART Key comes into contact with or is covered by metal objects.

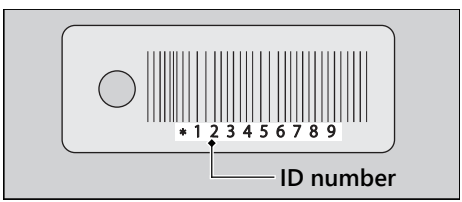
Continued

- Check that a registered Honda SMART Key is used.
  Use a registered Honda SMART Key. The Honda SMART Key system cannot be activated without a registered Honda SMART Key.
- Make sure that you do not use a broken Honda SMART Key.
  If you use a broken Honda SMART Key, the Honda SMART Key system cannot be activated. Bring the ID tag to your authorised dealer.
- Check the 12 V battery condition and 12 V battery lead in your vehicle.
  Check the 12 V battery and 12 V battery terminals. If the 12 V battery is weak, contact your authorised dealer.

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

Set up to ID number input mode

1. Check the ID number on the ID tag.
2. Press and hold the power switch for more than 4 seconds.
   ▶ The steering lock indicator flashes.
3. Press the power switch while the steering lock indicator is flashing.
   ▶ The steering lock indicator stay lit, and the ID number input mode turns on.



ID number input

You can input your ID number by pushing the power switch ❙ (On) switch and turn the power switch knob ○/🔒 (Off/Lock) counterclockwise. Input the ID number on the ID tag in order from the left in turn by pushing the power ❙ (On) switch.

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

Push the power ❙ (On) switch the desired number of times, then turn the power switch knob ○/🔒 (Off/Lock) counterclockwise to fix the current digit (the buzzer sounds and the steering lock indicator goes off briefly and comes on again), and input the next digit, and then repeat until all the digits are input.

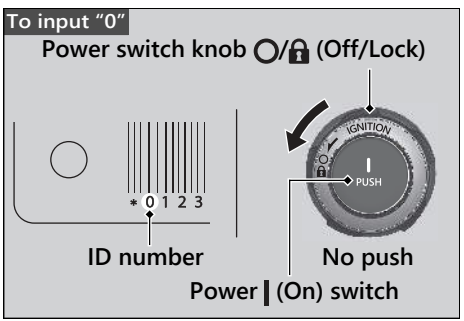
▶ If the steering lock indicator does not come on, the battery may be low. Contact your dealer.

Continued

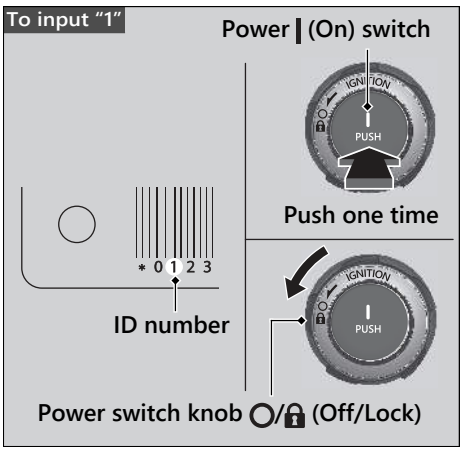
While inputting the ID number, if the button is not pressed for about 60 seconds, the inputted ID number is cancelled (the buzzer sounds and the steering lock indicator goes off).

Example:

- To input "0", turn the power switch knob ◯/🔒 (Off/Lock) counterclockwise without pushing the power | (On) switch, and then input next digit.



- To input "1", push the power | (On) switch once, and then turn the power switch knob ◯/🔒 (Off/Lock) counterclockwise to input the next digit.



ID number input success

After the last digit of the ID number is inputted, ID number is authenticated, the steering lock indicator will flash every 2 seconds.

Push the power ❙ (On) switch within 30 seconds after the ID number is authenticated.

If the steering is locked

The steering will be unlocked. To active the electrical system, push the power ❙ (On) switch once again within 30 seconds after the ID number is authenticated.

If the steering is unlocked

The electrical system will be activated. You can start the motor.

You can turn off the motor and electrical system and also lock the steering using the power switch. The power switch operation is disabled 30 seconds after the electrical system is turned off.

To activate the electrical system again, repeat the procedures for activating the electrical system in an emergency.

ID number input failure

If the ID number is not authenticated after inputting, the buzzer sounds and the steering lock indicator goes off. The steering cannot be unlocked and the electrical system will not activate.

Repeat the procedures for activating the electrical system in an emergency.

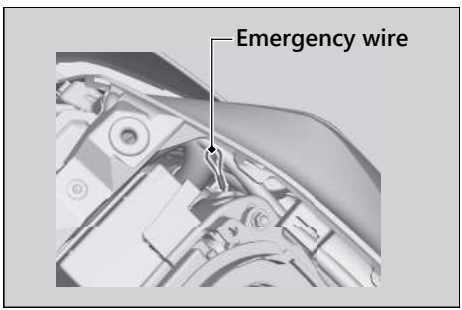
ID number input cancel

If you input the wrong number, you can cancel ID number input by not operating the switch for about 60 seconds (the buzzer sounds and the steering lock indicator goes off).

Repeat the procedures for activating the electrical system in an emergency.

Emergency charging cable connector unlock

1. Make sure charging is stopped and the electrical system is off.
2. Remove the inlet cover. P. 174
3. Pull the emergency wire until charging cable connector is unlock.



4. Remove the charging cable connector.
5. Install the parts in the reverse order of removal.

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

Smartphone Pairing Trouble

Symptom	Cause/remedy
Unable to pair a smartphone	Some smartphones you use may be incompatible with the vehicle and/or the operable functions may be limited.
	Check that the vehicle and smartphone are both in pairing mode. ➡P. 106
	Check your surroundings to make sure no other device being paired is present before re-pairing. Presence of a *Bluetooth*® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	When connecting a smartphone, make sure no other *Bluetooth*® device readied for pairing is present. Presence of a *Bluetooth*® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	Check that the vehicle pairing information is deleted from your smartphone *Bluetooth*® setting. Depending on the smartphone used, connecting may not be possible unless the pairing information is deleted.

Continued

Symptom	Cause/remedy
Unable to connect a smartphone	Depending on the smartphone you use, it may take some time for the vehicle to connect to a smartphone and to start using a dedicated application.
	The connection may be temporarily disconnected when activating the motor, which is normal and not a malfunction. The smartphone will be reconnected after the motor is activated.
	Check that *Bluetooth*® status icon comes on. Refer to the instruction manual of your smartphone and check that your smartphone is in connectable state.
	Some smartphones you use may not connect automatically. For connecting, follow the instructions in the instruction manual of your smartphone.
	You cannot connect two or more smartphones at once.

If the problem continues after the above-described inspection, have your vehicle inspected by your dealer.

12 V Battery Goes Dead

Charge the 12 V battery using a motorcycle battery charger.
Remove the 12 V battery from the vehicle before charging.
Do not use an automobile-type battery charger, as these can overheat a motorcycle 12 V battery and cause permanent damage. If the 12 V battery does not recover after recharging, contact your authorised dealer.

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

Burned-out Light Bulb

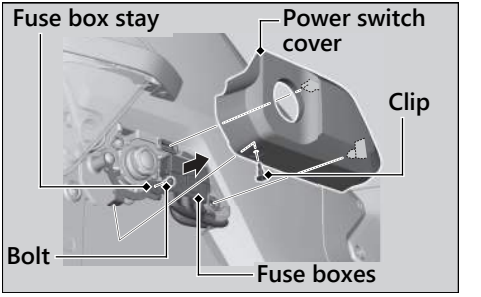
All light bulbs on the vehicle are LEDs. If there is an LED which is not turned on, see your authorised dealer for servicing.

Blown Fuse

Before handling fuses, see "Inspecting and Replacing Fuses." ➡P. 166
Make sure cancel the 12 V battery automatic charge mode. ➡P. 150

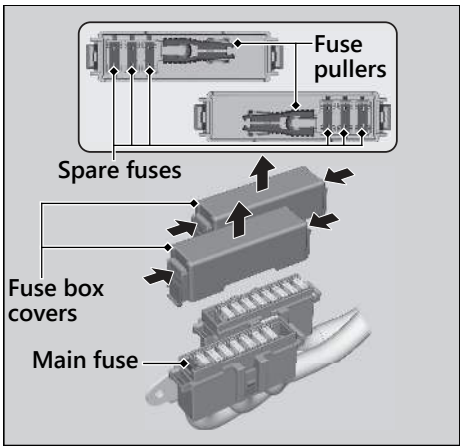
Fuse Box Fuses

1. Remove the clip (➡P. 173), and then remove the power switch cover.
2. Remove the fuse box stay by removing the bolt, and then pull out the fuse boxes and fuse box stay.



3. Remove the fuse box covers.

4. Pull the fuses out with the fuse puller on back side of the fuse box cover one by one check for blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
▶ Spare fuses are provided on fuse box.

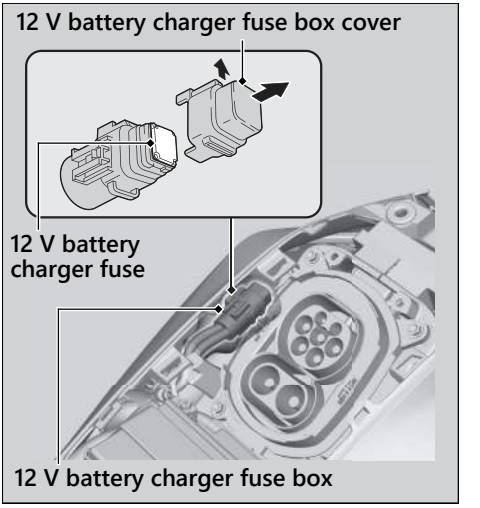


5. Reinstall parts in the reverse order of removal.

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

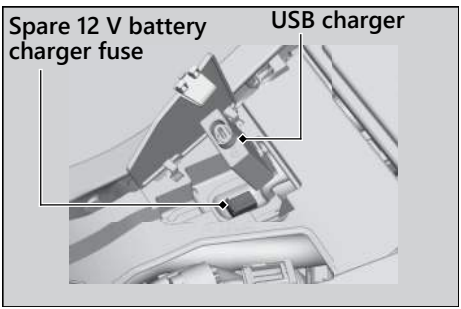
12 V Battery Charger Fuse

1. Remove the inlet cover. P. 174
2. Pull out the 12 V battery charger fuse box and then, remove the 12 V battery charger fuse box cover to access the 12 V battery charger fuse.



3. Pull the 12 V battery charger fuse out and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.

▶ Spare 12 V battery charger fuse is under the USB charger. P. 152



4. Reinstall parts in the reverse order of removal.

Information

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Transporting Your Vehicle .....P. 235
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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 steering and activating or deactivating the electrical system

The ID number of the Honda SMART Key is on the ID tag. You can also unlock the power 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.

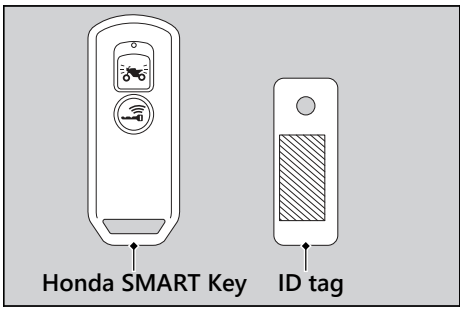
The Honda SMART Key contains electronic circuits. If the circuits are damaged, the Honda SMART Key will not allow you to perform any operations.

- 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.
- 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 authorised 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 authorised dealer.



EU Directive

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

CE

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.

Instruments, Controls, & Other Features

Power Switch

Leaving electrical system on with the vehicle is stopped will drain the high voltage battery.
Do not operate the ignition switch while riding.

Motor Stop Switch

Do not use the motor stop switch except in an emergency. Doing so when riding will cause the motor to suddenly turn off, making riding unsafe.
If you stop the motor using the motor stop switch, turn the power switch knob ○/🔒 (Off/Lock) counterclockwise to turn off the electrical system. Failing to do so will result in a continuous loss of battery power from the electrical system.

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 stored in underside of the seat.
➔P. 154

Motor Drive Cut-off System

IMU (Inertia Measurement Unit) sensor automatically stops the motor if the vehicle falls over. To reset the IMU, you must turn off the electrical system and back to the on before the motor can be restarted.

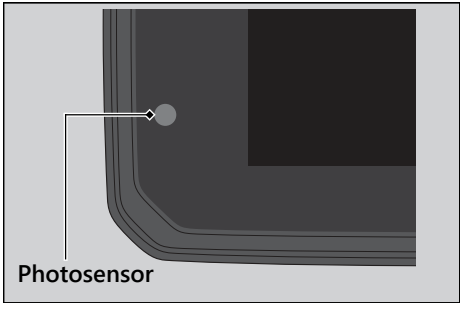
If a failure of the IMU is detected, the motor will not stop automatically when the vehicle falls over.

Accelerator Position Sensor System

This model is equipped with an Accelerator Position Sensor System.
Do not put magnetized items or items susceptible to magnetic interference near the right handlebar switches.

DRL, Automatic Brightness Control and Background Control

Ambient brightness is detected by the photosensor.
Do not damage or cover the photosensor. Otherwise, the DRL, automatic brightness control and background control may not work properly.



Honda RoadSync

EU Directive

CE

Simplified EU DoC:

Hereby, Visteon Corporation declares that the radio equipment type SAB01is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.visteondocs.com/

български [Bulgarian]	С това фирмата **Visteon Corporation** декларира, че частта **SAB01**е в съответствие със съществените изисквания и други приложими разпоредби на директивата 2014/53/EC.
Česky [Czech]	**Visteon Corporation** tímto prohlašuje, že tento **SAB01**je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/53/EU.
Dansk [Danish]	Undertegnede **Visteon Corporation** erklærer herved, at følgende udstyr **SAB01**overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.
Deutsch [German]	Hiermit erklärt **Visteon Corporation**, dass sich das Gerät **SAB01**in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU befindet.
Eesti [Estonian]	Käesolevaga kinnitab **Visteon Corporation** seadme **SAB01**vastavust direktiivi 2014/53/EL põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, **Visteon Corporation**, declares that this **SAB01**is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
Español [Spanish]	Por medio de la presente **Visteon Corporation** declara que el **SAB01**cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/UE.

Continued

Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ **Visteon Corporation** ΔΗΛΩΝΕΙ ΟΤΙ **SAB01**ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/ΕΚ.
Français [French]	Par la présente **Visteon Corporation** déclare que l'appareil **SAB01**est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/UE.
Italiano [Italian]	Con la presente **Visteon Corporation** dichiara che questo **SAB01** è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/UE.
Latviski [Latvian]	Ar šo **Visteon Corporation** deklarē, ka **SAB01** atbilst Direktīvas 2014/53/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo **Visteon Corporation** deklaruoja, kad šis **SAB01** atitinka esminius reikalavimus ir kitas 2014/53/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart **Visteon Corporation** dat het toestel **SAB01**in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EG.
Malti [Maltese]	Hawnhekk, **Visteon Corporation**, jiddikjara li dan **SAB01** jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 2014/53/UE.
Magyar [Hungarian]	Alulírott, **Visteon Corporation** nyilatkozom, hogy a **SAB01** megfelel a vonatkozó alapvetõ követelményeknek és az 2014/53/EU irányelv egyéb elõírásainak.
Polski [Polish]	Niniejszym **Visteon Corporation** oświadcza, że **SAB01** jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/53/UE.
Português [Portuguese]	**Visteon Corporation** declara que este **SAB01** está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/UE.
Slovensko [Slovenian]	**Visteon Corporation** izjavlja, da je ta **SAB01** v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/53/ES.
Slovensky [Slovak]	**Visteon Corporation** týmto vyhlasuje, že **SAB01**spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/53/EÚ.

Suomi [Finnish]	**Visteon Corporation** vakuuttaa täten että **SAB01** tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]	Härmed intygar **Visteon Corporation** att denna **SAB01** står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU.
Íslenska [Icelandic]	Hér með lýsir **Visteon Corporation** yfir því að **SAB01** er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU.
Norsk [Norwegian]	**Visteon Corporation** erklærer herved at utstyret **SAB01** er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EF.
Crnogorski jezik, Црногорски језик [Montenegrin]	Ovim, **Visteon Corporation**, izjavljuje da ovaj **SAB01** je usklađen sa bitnim zahtjevima i drugim relevantnim odredbama Direktive 2014/53/UE.
Română [Romanian]	Prin prezenta, **Visteon Corporation**, declară că acest **SAB01** respectă cerințele esențiale și alte dispoziții relevante din Directiva 2014/53 / UE.
Türkiye [Turkey]	**Visteon Corporation**, işbu **SAB01** 'ın 2014/53 / EU Direktifinin esas şartları ve diğer ilgili hükümlerine uygun olduğunu beyan eder.
Hrvatska [Croatian]	Ovime **Visteon Corporation** izjavljuje da je ovaj **SAB01** u skladu s osnovnim zahtjevima i ostalim relevantnim odredbama Direktive 2014/53 / EU.

The following information shall also be included in the case of radio equipment intentionally emitting radio waves:

a. Frequency band : **2.4 GHz**

b. Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates. **Max output power = 3.5 dBM**

United Kingdom only



Hereby, Visteon Corporation declares that the radio equipment type SAB01 is in compliance with the relevant statutory requirement. The full text of the Declaration of Conformity is available at the following internet address: www.visteondocs.com

Frequency band : _2.4_ GHz

a. Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.
b. Max output power = _3.5_ dBM

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 motor, 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 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, drums, or shoes contaminated with oil will suffer greatly reduced braking effectiveness and can lead to a crash.

Continued

5. Apply a coat of wax to prevent corrosion.
▶ Avoid products that contain harsh detergents or chemical solvents. These can damage the metal, paint, and plastic on your 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.

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.
- Dry the brakes:
  ▶ Water adversely affects braking effectiveness. After washing, apply the brakes intermittently at low speed to help dry them.
- Do not direct water under the seat:
  ▶ Water in the under seat compartment can damage your documents and other belongings.

- Do not direct water 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 authorised 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.

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:

- To prevent the high voltage battery from degrading, keep the high voltage battery gauge at 30 % and store your vehicle somewhere cool.

Recommended temperature: 0 to 35 °C

▶ When you store your vehicle, check the high voltage battery gauge once a month. If it goes down to 10 %, charge your vehicle until it gets to 30 %.

NOTICE

- Do not store your vehicle at 10 % for an extended period of time, as it may cause the high voltage battery to malfunction.
- Do not store your vehicle fully charged, as it may further degradation.

- Wash your vehicle and wax all painted surfaces (except mat painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Place your vehicle on a maintenance 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 12 V battery (P. 172) to prevent discharge. Fully charge the 12 V battery and then place it in a shaded, well-ventilated area.
  - ▶ If you leave the 12 V battery in place, disconnect the negative ⊖ terminal to prevent discharge.

After removing your vehicle from storage, fully charge the high voltage battery and 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 powertrain.

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.

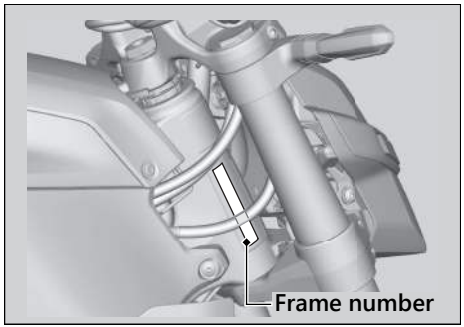
Recycle Wastes

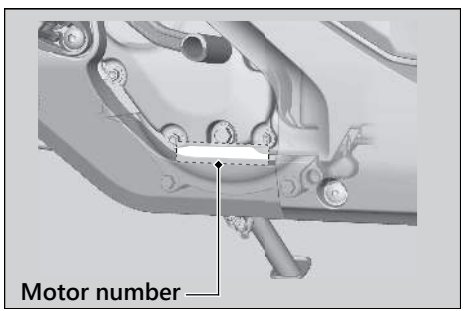
Put oil and other toxic wastes in approved containers and take them to a recycling centre. Call your local or state office of public works or environmental services to find a recycling centre in your area and to get instructions on how to dispose of non-recyclable wastes. Do not place used engine oil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

Serial Numbers

The frame and motor 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.





■ Main Components

Overall length	2,155 mm (84.8 in)
Overall width	825 mm (32.5 in)
Overall height	1,085 mm (42.7 in)
Wheelbase	1,480 mm (58.3 in)
Minimum ground clearance	140 mm (5.5 in)
Caster angle	25° 0′
Trail	99 mm (3.9 in)
Curb weight	217 kg (478 lb)
Maximum weight capacity *1	150 kg (331 lb)
Passenger capacity	Rider and 1 passenger
Minimum turning radius	2.9 m (9.5 ft)
High voltage battery	Lithium ion 349.44 V-26.67 Ah (9,319.56 Wh)
12 V battery	YTZ4V 12 V-3.0 Ah (10 HR) / 3.2 Ah (20 HR)
Reduction ratios (primary / final)	2.533/3.166

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

■ Service Data

Tyre size	Front	120/70R17 MC 58H
	Rear	150/60R17 MC 66H
Tyre type	Radial, tubeless	
Recommended Tyre	Front	PIRELLI DIABLO ROSSO III
	Rear	PIRELLI DIABLO ROSSO III
Tyre category of use *1	Normal	Permitted
	Special	Not Permitted
	Snow	Not Permitted
	Moped	Not Permitted
Tyre air pressure	Front	250 kPa (2.50 kgf/cm^2, 36 psi)
	Rear	290 kPa (2.90 kgf/cm^2, 42 psi)
Minimum tread depth	Front	1.5 mm (0.06 in)
	Rear	2.0 mm (0.08 in)
Recommended brake fluid	Honda DOT 4 Brake Fluid	
Cooling system capacity	1.26 L (1.33 US qt, 1.11 Imp qt)	
Recommended coolant	Except Hong Kong	Pro Honda HP Coolant
	Hong Kong	HONDA PRE-MIX COOLANT

*1 : EU regulation

Recommended reduction gear oil	Honda 4-stroke motorcycle oil API Service Classification SJ or higher, excluding oils marked as "EnergyConserving" or "Resource Conserving," 10W-30, JASO T 903 standard MB	
Reduction gear oil capacity	After draining	0.23 L (0.24 US qt, 0.20 Imp qt)
	After disassembly	0.25 L (0.26 US qt, 0.22 Imp qt)
Standard pulley size	Drive pulley	24T
	Driven pulley	76T

■ Bulbs

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

■ Fuses

12 V battery	Main fuse	15 A
	Other fuse	40 A, 30 A, 15 A, 10 A

■ Torque Specifications

Seat mounting bolt	27 N·m (2.8 kgf·m, 20 lbf·ft)

Online Owner's Manual
https://www.hondamotopub.com/

Honda

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