X-ADV (ADV750)

OWNER'S MANUAL

HONDA

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

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Welcome

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

To ensure your safety and riding pleasure:

- Read this owner's manual carefully.
- Follow all recommendations and procedures contained in this manual.
- Pay close attention to safety messages contained in this manual and on the vehicle.

- The following codes in this manual indicate each destination.
- The illustrations here in are based on the ADV750 ED type.

Destination Codes

Code ADV750	Destination
ED, II ED	European direct sales, Paraguay, United Kingdom, Israel, Serbia, Gibraltar, Ukraine, Turkey, Hong Kong, Singapore, Tahiti, New Caledonia, Bolivia, Guatemala, Colombia, Ecuador, Costa Rica, Morocco
III ED, IV ED	European direct sales
GS, II GS	United Arab Emirates, Kuwait, Oman, Saudi Arabia, Bahrain, Qatar, Lebanon

*The specifications may vary with each locale.

A Few Words About Safety

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

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

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

⚠DANGER

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

⚠WARNING

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

⚠CAUTION

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

Other important information is provided under the following titles:

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

Contents

Vehicle Safety P. 2

Operation Guide P. 20

Maintenance P. 133

Troubleshooting P. 181

Information P. 209

Specifications P. 233

Vehicle Safety

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

Safety Guidelines ..... P. 3
Image Labels ..... P. 6
Safety Precautions ..... P. 11
Riding Precautions ..... P. 12
Accessories & Modifications ..... P. 17
Loading ..... P. 18

Safety Guidelines

Follow these guidelines to enhance your safety:

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

Always Wear a Helmet

It's a proven fact: helmets and protective apparel significantly reduce the number and severity of head and other injuries. So always wear an approved helmet and protective apparel. ➡P. 11

Before Riding

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

Instruct your passenger on holding onto the grab rails 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. 18), and do not modify your vehicle or install accessories that would make your vehicle unsafe (P. 17).

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.

Carbon Monoxide Hazard

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

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

⚠WARNING

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

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

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

Image Labels

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

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

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



Read instructions contained in Owner's Manual carefully.



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



DANGER (with RED background)
You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
WARNING (with ORANGE background)
You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
CAUTION (with YELLOW background)
You CAN be HURT if you don't follow instructions.



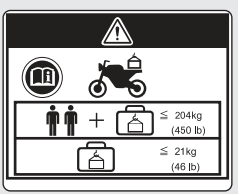
BATTERY LABEL
DANGER

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

Continued



RADIATOR CAP LABEL
DANGER
NEVER OPEN WHEN HOT.
Hot coolant will scald you.
Relief pressure valve begins to open at **1.1 kgf/cm²**.

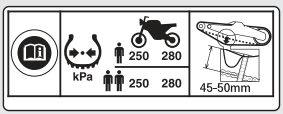


ACCESSORIES AND LOADING WARNING LABEL
WARNING
ED, II ED, III ED, IV ED
ACCESSORIES AND LOADING

- 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 **204 kg (450 lb)**, which is the maximum weight capacity.
- The luggage weight must not exceed **21 kg (46 lb)** under any circumstances.
- 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.



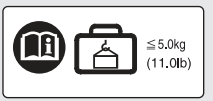
TYRE INFORMATION & DRIVE CHAIN LABEL
Cold tyre pressure:
[Driver only]
Front **250 kPa (2.50 kgf/cm², 36 psi)**
Rear **280 kPa (2.80 kgf/cm², 41 psi)**
[Driver and passenger]
Front **250 kPa (2.50 kgf/cm², 36 psi)**
Rear **280 kPa (2.80 kgf/cm², 41 psi)**
Keep chain adjusted and lubricated.
Freeplay **45 - 50 mm (1.8 - 2.0 in)**



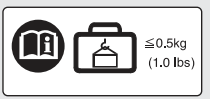
SEAT DAMPER OPENER LABEL
GAS FILLED
Do not open. Do not heat.



SAFETY REMINDER LABEL
For your protection, always wear helmet, protective apparel.
FUEL LABEL
Unleaded petrol only
ETHANOL up to 10 % by volume



CARGO LIMIT LABEL
Do not exceed **5.0 kg (11.0 lb)**.



CARGO LIMIT LABEL
Do not exceed **0.5 kg (1.0 lb)**.

Safety Precautions

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

Protective Apparel

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

Helmet

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

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

⚠WARNING

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

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

Gloves

Full-finger leather gloves with high abrasion resistance

Boots or Riding Shoes

Sturdy boots with non-slip soles and ankle protection

Jacket and Trousers

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

Riding Precautions

Running-in Period

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

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

Brakes

Observe the following guidelines:

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

Anti-lock Brake System (ABS)

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

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

Engine Braking

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

Wet or Rainy Conditions

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

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

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 engine, muffler, brakes and other high-temperature parts until they cool down.
- To reduce the likelihood of theft, always lock the handlebar (P. 87) and leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary. P. 90
  Use of an anti-theft device is also recommended.

Parking with the Side Stand or Centre Stand

1. Stop the engine.
2. Apply the parking brake. P. 102
3. **Using the side stand**
   Push the side stand down.
   Slowly lean the vehicle to the left until its weight rests on the side stand.
   Using the centre stand
   To lower the centre stand, stand on the left side of the vehicle.
   Hold the left handle grip and the left grab rail.
   Press down on the tip of the centre stand with your right foot and, simultaneously, pull up and back.
4. Turn the handlebar fully to the left.
   ▶ Turning the handlebar to the right reduces stability and may cause the vehicle to fall.

5. Lock the steering. ➡ P. 87
Then, leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary. ➡ P. 90

Refuelling and Fuel Guidelines

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

- Use only unleaded petrol.
- Use the recommended octane number. Using lower octane petrol will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. ➡ P. 231
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

Continued

Honda Selectable Torque Control

When the Honda Selectable Torque Control (Torque Control) detects rear wheel spin during acceleration, the system will limit the amount of torque applied to the rear wheel based on the Torque Control level selected.

Torque Control will allow some wheel spin during acceleration at the lower Torque Control setting levels. Select a level that is appropriate for your skill and riding conditions.

Torque Control does not work during deceleration and will not prevent the rear wheel from skidding due to engine braking. Do not close the throttle suddenly, especially when riding on slippery surfaces.

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 sprockets 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.

⚠WARNING

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

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

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

Loading

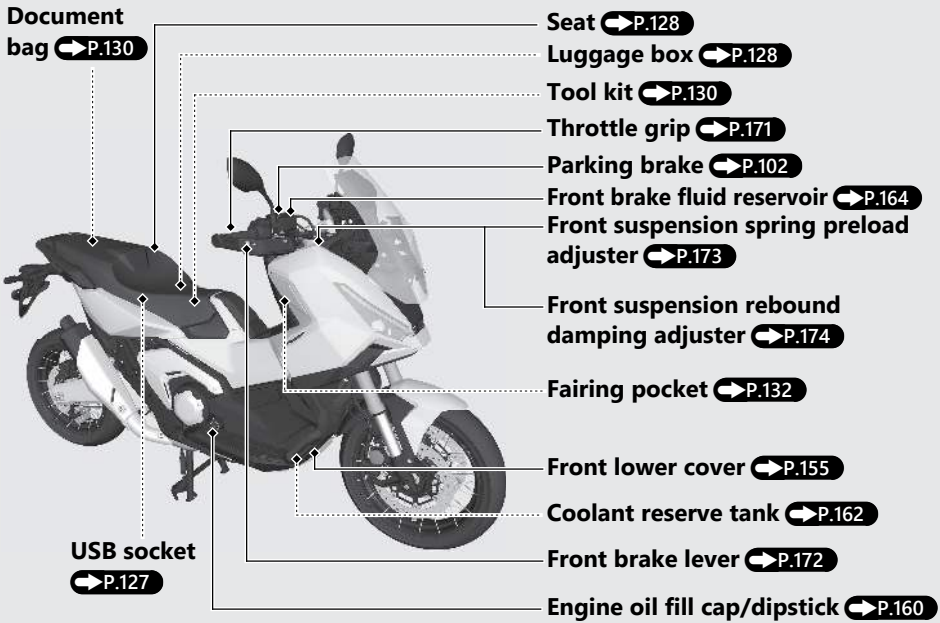
- Carrying extra weight affects your vehicle's handling, braking and stability.
  Always ride at a safe speed and never exceed 130 km/h (80 mph) for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
  Maximum weight capacity / Maximum luggage weight P. 233
- Tie all luggage securely, evenly balanced, and close to the centre of the vehicle.
- Do not place objects near the lights or the muffler.

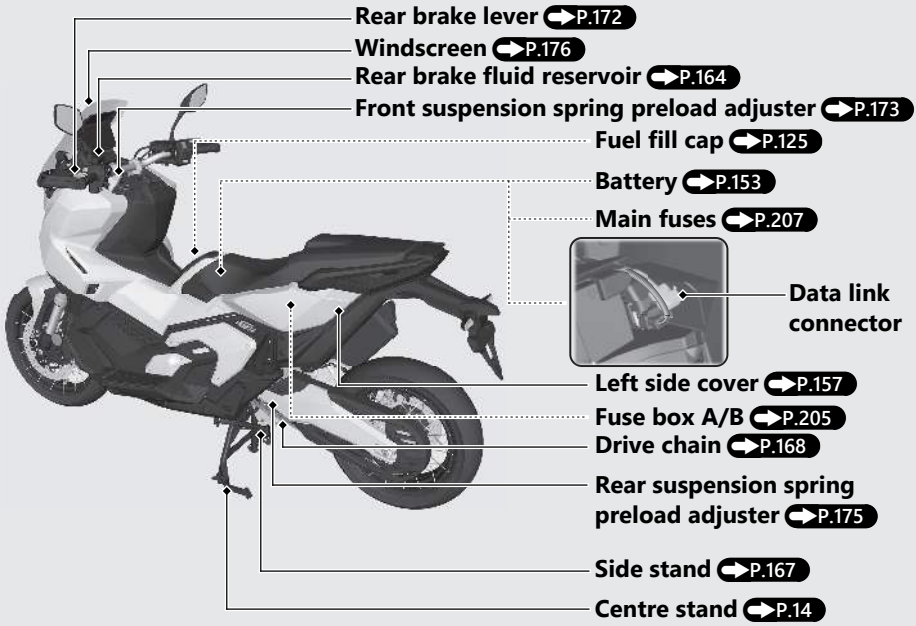
⚠WARNING

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

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

Parts Location




Rear brake lever P.172
Windscreen P.176
Rear brake fluid reservoir P.164
Front suspension spring preload adjuster P.173
Fuel fill cap P.125
Battery P.153
Main fuses P.207
Data link connector
Left side cover P.157
Fuse box A/B P.205
Drive chain P.168
Rear suspension spring preload adjuster P.175
Side stand P.167
Centre stand P.14

Instruments

You can change the speed and mileage, and fuel mileage meter units. P.45 P.64

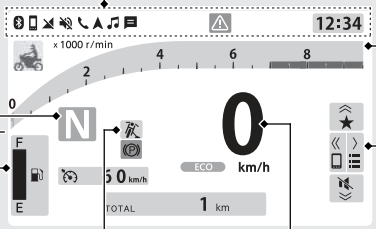


Do not operate the display functions for a long time with the engine stopped. It may result in a low (or dead) battery.

Gear position indicator P.28

Tachometer P.25

Status bar P.29



Selectable area P.41 **/**
Honda RoadSync area
(ED, II ED, III ED, IV ED type)
P.98

Speedometer P.25

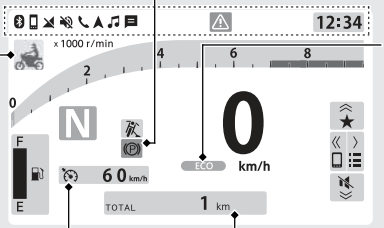
Fuel gauge
P.27

Side stand indicator
Comes on when the side stand is down.

Instruments *(Continued)*

Ⓟ Parking brake indicator
Lights as a reminder that you have not released the parking brake lever. P.102

Riding mode P.103



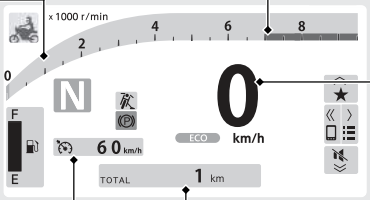
ECO indicator P.28

Cruise control display P.117

INFO area P.31 **/**
Pop-up information P.77

Speedometer/Tachometer/INFO area/Cruise control display

Display type: BAR



NOTICE

Do not operate the engine in the tachometer red zone. Excessive engine speed can adversely affect engine life.

Instruments *(Continued)*

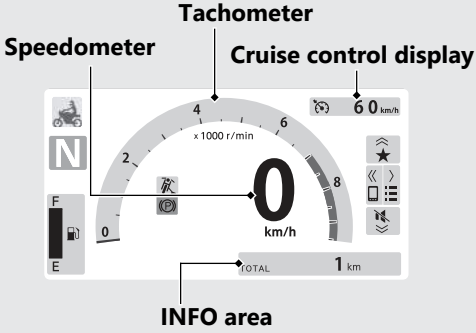
This meter has three display types.

The display and arrangement of speedometer, tachometer, cruise control display, and INFO area change depending on each display type.

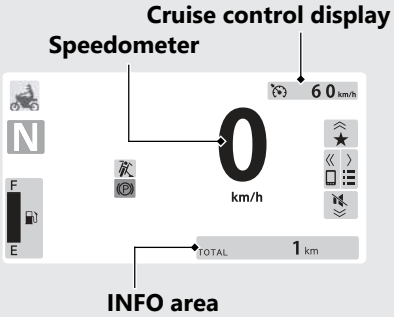
▶ The tachometer is not displayed when select the SIMPLE type display.

To change the display type: P.45 P.55

Display type: CIRCLE



Display type: SIMPLE



Fuel gauge



Remaining fuel when only 1st (E) segment starts flashing: approximately 2.5 L (0.66 US gal, 0.55 Imp gal)

► **If the fuel gauge indicator flashes in a repeat pattern or turns off:** P.190

NOTICE

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

Instruments *(Continued)*

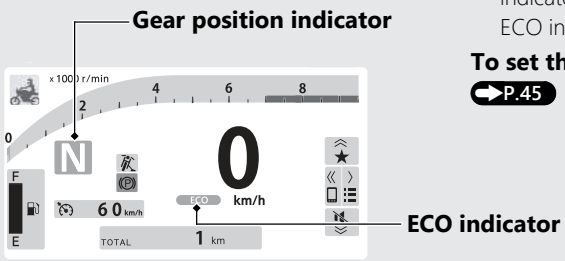
Gear position indicator

The gear position is shown in the gear position indicator.

The indicator may flash if:

- The front wheel leaves the ground.
- You turn the wheel while the vehicle is upright on the stand.

This is normal. To operate the system again, turn the electrical system off and on again.



ECO indicator

The ECO indicator comes on according to the fuel mileage.

When the fuel consumption is improved, ECO indicator comes on.

- The ECO indicator is not displayed at speeds below approximately 20 km/h (12 mph).
- When the riding mode is set to GRAVEL, SPORTS, USER 1 or USER 2, the ECO indicator is not displayed even if the ECO indicator is set to on.

To set the ECO indicator

P.45 P.55

Status bar



ED, II ED, III ED, IV ED type

Status icons
Displays the status of the Honda RoadSync system. P.98

High beam indicator

DRL indicator P.124

Warning indicator
Comes on when your vehicle has warning information.
Also displays as pop-up information in the INFO area and WARNING INFO display. P.75 P.79

Air temperature gauge P.30

Clock (12-hour or 24-hour display)
To set the clock: P.45 P.63

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

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.

Display or hide the air temperature gauge.
P.62

INFO area

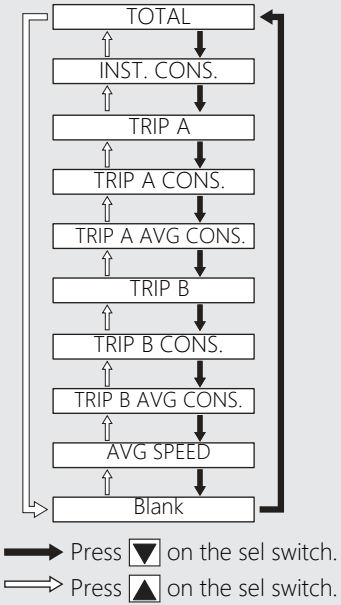
The INFO area displays various vehicle information.

The following items are displayed by default.

- Odometer [TOTAL]
- Current fuel mileage [INST. CONS.]
- Tripmeter A [TRIP A]
- Tripmeter B [TRIP B]

The information item displayed in the INFO area can be changed arbitrarily.
Up to 10 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.45 P.58



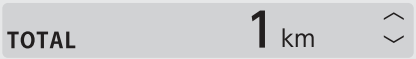
Instruments *(Continued)*

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

- TOTAL P.32
- INST. CONS. P.33
- TRIP A P.34
- TRIP A CONS. P.34
- TRIP A AVG CONS. P.35
- TRIP B P.37
- TRIP B CONS. P.37
- TRIP B AVG CONS. P.38
- AVG SPEED P.40
- Blank P.40

Odometer [TOTAL]

Total distance ridden.



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

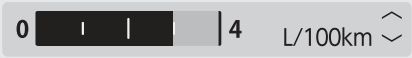
Current fuel mileage [INST. CONS.]

ED, II ED, III ED, IV ED type

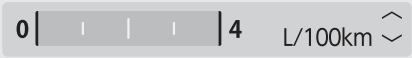
Displays the instantaneous fuel mileage as a bar graph.

Display range: 0 to 4 L/100 km (40 km/L, 100 mile/gal, 25 mile/L)

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



Zero segment



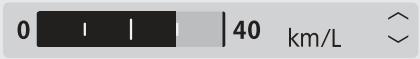
When "zero segment " is displayed, except for the above-mentioned cases, go to your dealer for service.

GS, II GS type

Displays the instantaneous fuel mileage as a bar graph.

Display range: 0 to 40 km/L (4 L/100 km)

- When your speed is less than 5 km/h: "zero segment " is displayed.



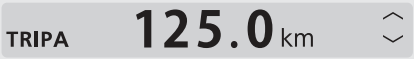
Zero segment



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

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.42 P.44

Tripmeter A fuel consumption [CONS.A]

Displays the tripmeter A fuel consumption since the tripmeter A was reset.

ED, II ED, III ED, IV ED type

Display range: 0.0 to 299.9 L (gal)

GS, II GS type

Display range: 0.0 to 299.9 L



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

Tripmeter A fuel consumption is reset when you reset tripmeter A.

To reset the tripmeter A: P.42 P.44

Tripmeter A average fuel mileage [AVG CONS. A]

ED, II ED, III ED, IV ED type

Displays the average fuel mileage since the tripmeter A was reset.

The average fuel mileage will be calculated based on the value on tripmeter A.

Display range: 0.0 to 299.9 L/100 km (km/L, mile/gal or mile/L)

- Above 299.9 L/100km : "--.-" is displayed.
- Above 299.9 km/L (mile/gal or mile/L) : "299.9" is displayed.
- When the average fuel mileage is reset: "---.-" is displayed.



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

Tripmeter A average fuel mileage is reset when you reset tripmeter A.

To reset the tripmeter A: P.42 P.44

Instruments *(Continued)*

GS, II GS type

Displays the average fuel mileage since the tripmeter A was reset.
The average fuel mileage will be calculated based on the value on tripmeter A.
Display range: 0.0 to 299.9 km/L (L/100 km)

- Above 299.9 km/L : "299.9" is displayed.
- Above 299.9 L/100km : "--.-" is displayed.
- When the average fuel mileage is reset: "---.-" is displayed.



When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.
Tripmeter A average fuel mileage is reset when you reset tripmeter A.

To reset the tripmeter A: P.42 P.44

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.42
P.44

Tripmeter B fuel consumption [CONS.B]

Displays the tripmeter B fuel consumption since the tripmeter B was reset.

ED, II ED, III ED, IV ED type

Display range: 0.0 to 299.9 L (gal)

GS, II GS type

Display range: 0.0 to 299.9 L



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

Tripmeter B fuel consumption is reset when you reset tripmeter B.

To reset the tripmeter B: P.42
P.44

Instruments *(Continued)*

Tripmeter B average fuel mileage [AVG CONS. B]

ED, II ED, III ED, IV ED type

Displays the average fuel mileage since the tripmeter B was reset.

The average fuel mileage will be calculated based on the value on tripmeter B.

Display range: 0.0 to 299.9 L/100 km (km/L, mile/gal or mile/L)

- Above 299.9 L/100km : "--.-" is displayed.
- Above 299.9 km/L (mile/gal or mile/L) : "299.9" is displayed.
- When the average fuel mileage is reset: "---.-" is displayed.



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

Tripmeter B average fuel mileage is reset when you reset tripmeter B.

To reset the tripmeter B: P.42 P.44

GS, II GS type

Displays the average fuel mileage since the tripmeter B was reset.

The average fuel mileage will be calculated based on the value on tripmeter B.

Display range: 0.0 to 299.9 km/L (L/100 km)

- Above 299.9 km/L : "299.9" is displayed.
- Above 299.9 L/100km : "--.-" is displayed.
- When the average fuel mileage is reset: "---.-" is displayed.



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

Tripmeter B average fuel mileage is reset when you reset tripmeter B.

To reset the tripmeter B: P.42 P.44

Instruments *(Continued)*

Average speed [AVG SPEED]

Displays average speed since the engine was started.

ED, II ED, III ED, IV ED type

Display range: 0 to 299 km/h (0 to 186 mph)

GS, II GS type

Display range: 0 to 299 km/h

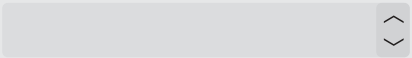
- Initial display: "---" is displayed.
- When your vehicle has traveled less than 0.2 km since the engine was started: "---" is displayed.
- When your vehicle operating time is less than 16 seconds since the engine was started: "---" is displayed.



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

Blank display

Display is the blank.



Selectable area

You can select the following:

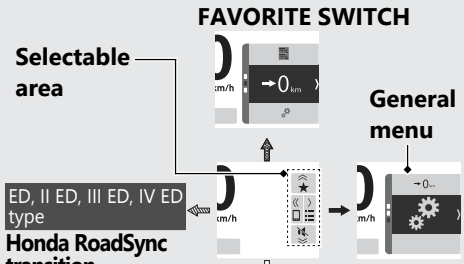
- General menu P.42
- FAVORITE SWITCH (Trip reset mode) P.44

ED, II ED, III ED, IV ED type

- Honda RoadSync transition P.98
- Honda RoadSync mute

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

To connect the device P.101



Press and hold the ▲ on the sel switch

Press ▶ on the sel switch

Press and hold the ◀ on the sel switch

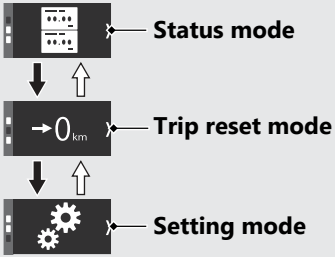
Press and hold the ▼ on the sel switch

Instruments *(Continued)*

General Menu

You can select the following:

- Status mode
- Trip reset mode
- Setting mode



Press ▼ on the sel switch.

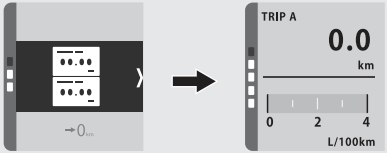
Press ▲ on the sel switch.

Status mode

The Status mode displays various vehicle information.

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

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

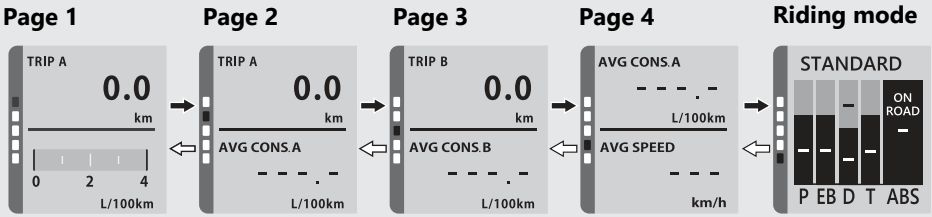


The information items on the four pages displayed in status mode can be changed as desired.

To change the information: P.45 P.58

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.

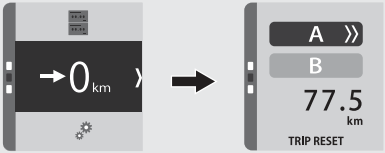
To change the information: P.45 P.58

Instruments *(Continued)*

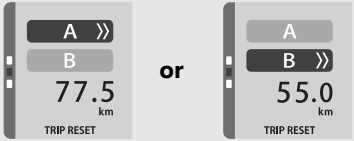
Trip reset mode

You can reset the tripmeter A or tripmeter B.

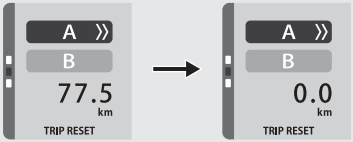
1. Select the trip reset mode. P.42
2. Press ▶ on the sel switch.



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



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



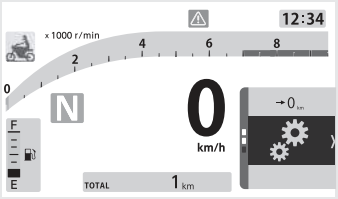
Also, the tripmeter A, tripmeter A fuel consumption and tripmeter A average fuel mileage are automatically reset when the fuel gauge segment increases by 2 or more after refuelling and riding your vehicle for 0.1 km (0.06 mile). You can activate or deactivate the automatic reset mode. P.45 P.54

Setting mode

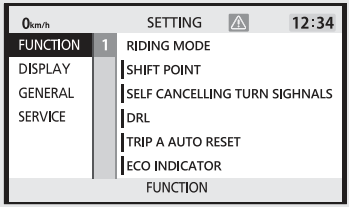
To shift to the setting mode

1. Select the general menu. P.41
2. Select the setting mode. P.42
3. Press ▶ on the sel switch, and then display moves to the setting mode.
   ▶ Operation while driving is prohibited.

Ordinary display



Setting mode

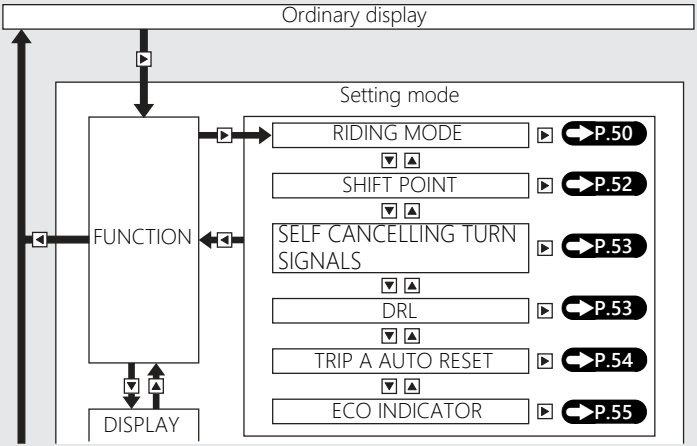


To return to the ordinary display

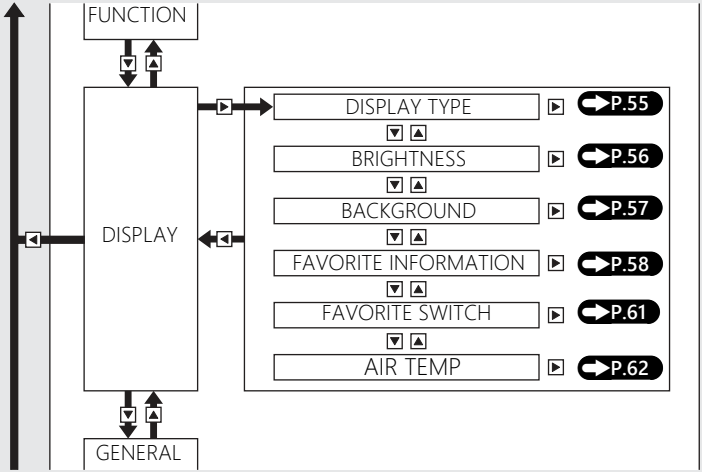
- Press ◀ on the sel switch until return to the ordinary display.
- Turn the electrical system is off and on again.

Instruments *(Continued)*

Setting flow

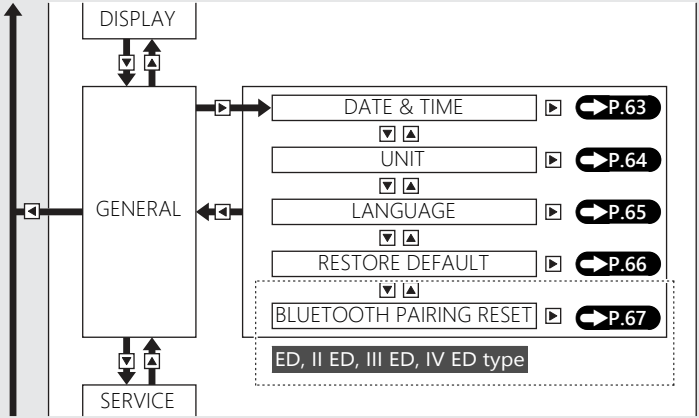


▶ **Press ▶ on the sel switch**
◀ **Press ◀ on the sel switch**
▲ **Press ▲ on the sel switch**
▼ **Press ▼ on the sel switch**



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

Instruments *(Continued)*

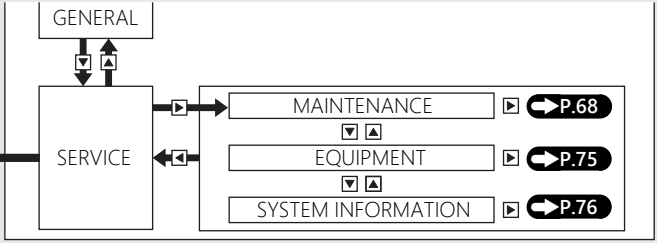


▶ Press ▶ on the sel switch

◀ 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

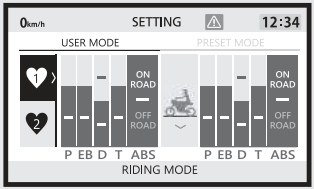
Instruments *(Continued)*

RIDING MODE P.103

1. USER MODE

You can change the setting value of the USER MODE.

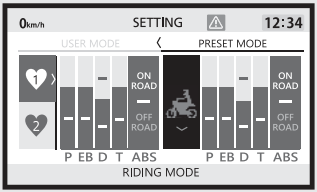
1. Select the USER 1 or USER 2 using ▲ or ▼ of the sel switch.
2. Select the parameter ("P", "EB" "D", "T" or "ABS") using ◀ or ▶ of the sel switch.
3. Select the desired setting value using ▲ or ▼ of the sel switch.
4. Press ◀ on the sel switch to complete the setting.
5. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



2. PRESET MODE

You can confirm the preset riding mode setting value of the [STANDARD], [SPORT], [RAIN] and [GRAVEL].

1. Select the PRESET MODE using ▶ of the sel switch.
2. Select the desired riding mode using ▲ or ▼ of the sel switch.
3. Press ◀ on the sel switch to return to the USER MODE.
4. Return to the ordinary display. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



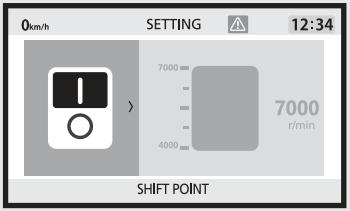
Instruments *(Continued)*

SHIFT POINT

(On) / ○ (Off) : You can activate or deactivate the shift indicator.

SHIFT POINT : You can change the engine revolutions at which the tachometer start blinking in the shift indicator.

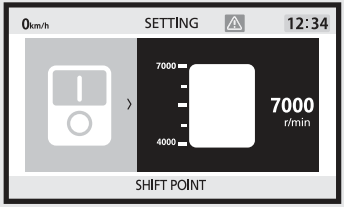
1 Select the (On) or ○ (Off) using ▲ or ▼ on the sel switch.



2 When select the (On)

Press ▶ on the sel switch to select the desired setting (r/min) using ▲ or ▼ on the sel switch.

Press ◀ on the sel switch to complete the setting.



When select the ○ (Off)

Press ◀ on the sel switch to complete the setting.

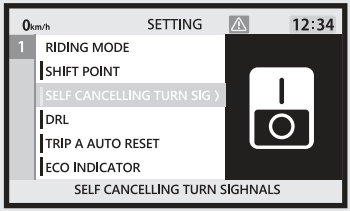
3 Return to the ordinary display to complete the setting. ➔P.45

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

SELF CANCELLING TURN SIGNALS

You can enable or disable turn signal automatic cancellation. P.84

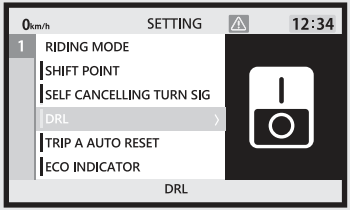
1. Select the | (On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



DRL

You can enable or disable DRL. P.124

1. Select the | (Auto) 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.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

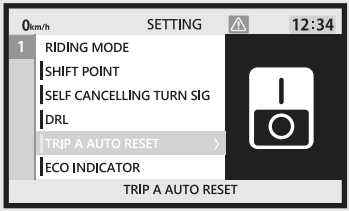


Instruments *(Continued)*

TRIP A AUTO RESET

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

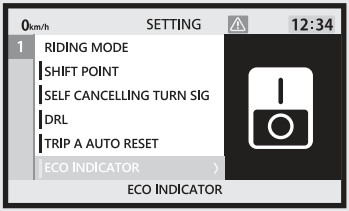
1. Select the ▌(On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



ECO INDICATOR

You can enable or disable the ECO indicator. P.28

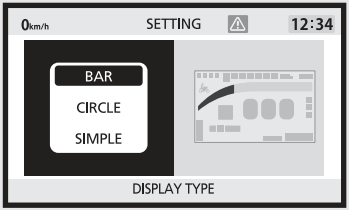
1. Select the ▌ (On) or ○ (Off) using ▲ or ▼ on the sel switch.
2. Press ◀ on the sel switch to complete the setting.
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



DISPLAY TYPE

You can change the display type. P.25

1. Select the display type ("BAR", "CIRCLE" or "SIMPLE") 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.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



Instruments *(Continued)*

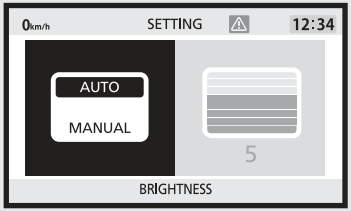
BRIGHTNESS

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

Automatic brightness control: P.216

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.



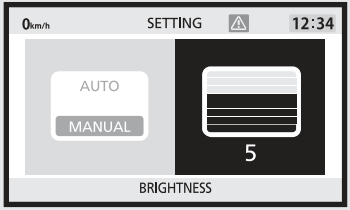
2. When select the "AUTO"

   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.



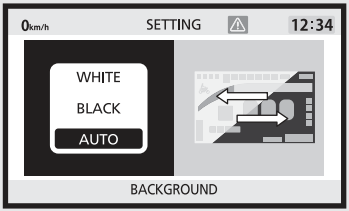
3. Return to the ordinary display to complete the setting. P.45

   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 colors or select the auto adjustment.

1. Select the background colour 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.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.



Instruments *(Continued)*

FAVORITE INFORMATION

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

1 line information

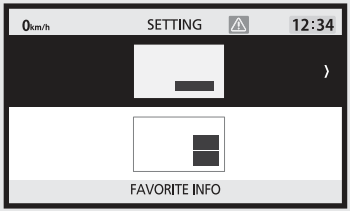
You can change the information items displayed in the INFO area. P.31

1 line information setting: P.59

2 line information

You can change the information items displayed in the information page of status mode. P.42

2 line information setting: P.60

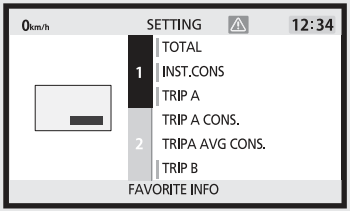


Select the 1 line or 2 line information using ▲ or ▼ on the sel switch.

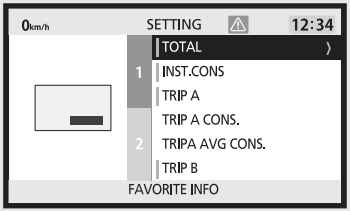
Press ▶ on the sel switch, display moves to the 1 line or 2 line information setting.

1 line information setting

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



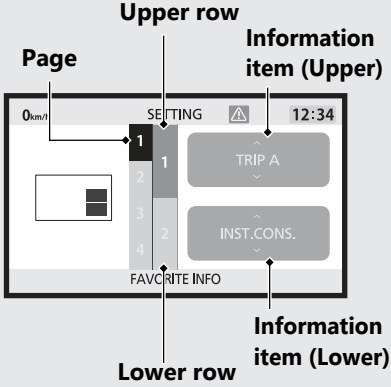
2. Press ▶ on the sel switch to select the information items.



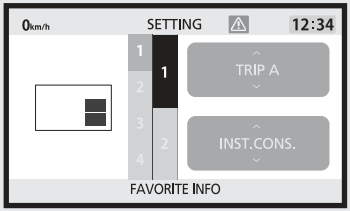
3. Select the desired information setting using ▲ or ▼ on the sel switch.
4. Press ▶ on the sel switch, set the information item.
   - ▶ Items that have already been set are displayed with a green cursor.
   - ▶ Up to 10 items are available. (Including BLANK)
5. Press ◀ on the sel switch to complete the setting.
6. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

Instruments *(Continued)*

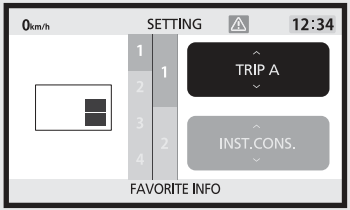
2 line information setting



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.



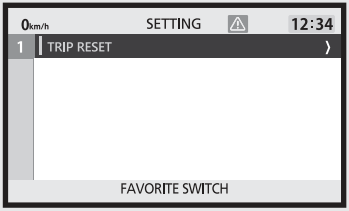
6 Press ◀ on the sel switch to complete the setting.

7 Return to the ordinary display to complete the setting. P.45

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

FAVORITE SWITCH

"TRIP RESET" is displayed but not selectable.

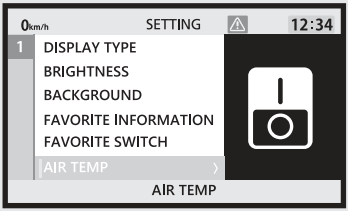


Instruments *(Continued)*

AIR TEMP

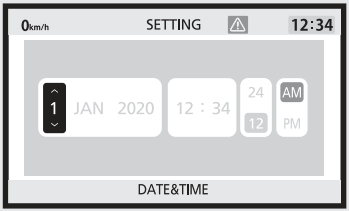
You can display or hide the air temperature gauge. P.29

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.45
   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.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.
   ▶ The set value is retained.



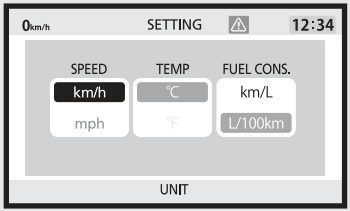
Setting range
- Date: 1 to 31
- Month: JAN to DEC
- Year: 2020 to 2099
- Hour: 0 to 23
- Minute: 00 to 59
- 24/12: 24 or 12
- AM/PM: AM or PM

Instruments *(Continued)*

UNIT

You can change the speed and mileage (ED,II ED, III ED, IV ED type), and fuel mileage meter units.

1. Select the "SPEED" (ED,II ED, III ED, IV ED type) or "FUEL CONS." 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.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.
   ▶ The set value is retained.



If you want to select "L/100km" or "km/L" for fuel consumption, "km/h" must be selected in the "SPEED" menu in advance.

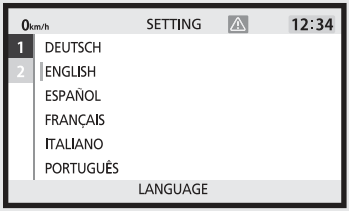
ED,II ED, III ED, IV ED type

If you want to select "mile/gal" or "mile/L" for fuel consumption, "mph" must be selected in the "SPEED" menu in advance.

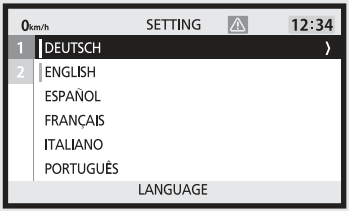
LANGUAGE

Changes the system language.

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



2. Press ▶ on the sel switch.



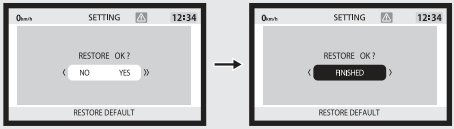
3. Select the language using ▲ or ▼ on the sel switch.
4. Press ▶ on the sel switch to select the language.
   ▶ Items that have already been set are displayed with a green cursor.
5. Press ◀ on the sel switch to complete the setting.
6. Return to the ordinary display to complete the setting. P.45
   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 the ▶ or ◀ on the sel switch.
2. When the "NO" is selected
   Press the ◀ 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 the ▶ on the sel switch. The set value return to default setting.



The following items are restored to their default values:

- RIDING MODE
- SHIFT POINT
- TRIP A AUTO RESET
- DISPLAY TYPE
- BRIGHTNESS
- BACKGROUND
- FAVORITE INFORMATION
  ▶ The page of the currently selected INFO area and status mode are also initialized.
- FAVORITE SWITCH
- UNIT
- LANGUAGE
- SELF CANCELLING TURN SIGNALS
- ECO INDICATOR
- AIR TEMP

BLUETOOTH PAIRING RESET

ED, II ED, III ED, IV ED type

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

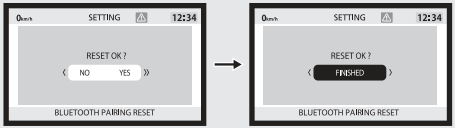
To connect the device P.101

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. The pairing record is reset.



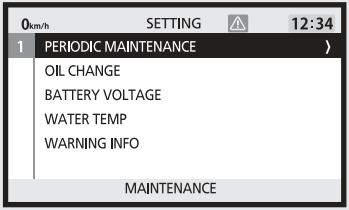
▶ If the pairing information remains in your smartphone even if the pairing information is deleted from the vehicle, the smartphone may be connected to the vehicle again.

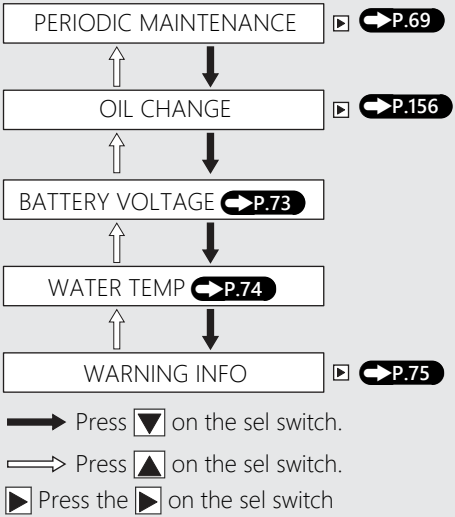
Instruments *(Continued)*

MAINTENANCE

You can select the following:

- PERIODIC MAINTENANCE P.69
- OIL CHANGE P.71
- BATTERY VOLTAGE P.73
- WATER TEMP P.74
- WARNING INFO P.75

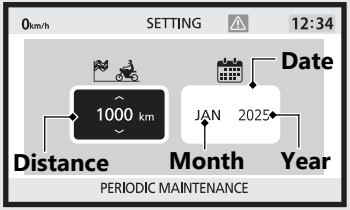




PERIODIC MAINTENANCE

You can check the next periodic inspection time.

You can program a reminder for the next periodic inspection time.



Display range:

Distance:

ED,II ED, III ED, IV ED type

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

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

GS,II GS type

------, 12,000 to -99,999 km

- ▶ Pass 0 km: "-" mark is displayed.

Date:

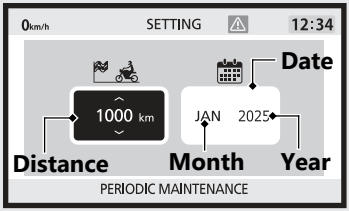
Month: ---, JAN to DEC

Year: ----, 2020 to 2099

Instruments *(Continued)*

Next inspection setting

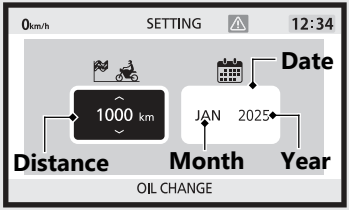
1. Select the distance, month or year using ▶ or ◀ on the sel switch.



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:
     ED,II ED, III ED, IV ED type
     ------, 100 to 12,000 km (100 to 8,000 mile)
     Initial setting:------
     GS,II GS type
     ------, 100 to 12,000 km
     Initial setting:------
   - ▶ Available setting range of the date:
     Month:---, JAN to DEC
     Initial setting:---
     Year: ----, 2020 to 2099
     Initial setting:----
   - ▶ Maintenance information (P.77) will not be displayed if the distance and date are set to the initial settings.
3. Press ◀ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

OIL CHANGE

You can check the next engine oil change. You can program a reminder for the next engine oil change.



Display range:

Distance:

ED,II ED, III ED, IV ED type

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

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

GS,II GS type

------, 12,000 to -99,999 km

- ▶ Pass 0 km: "-" mark is displayed.

Date:

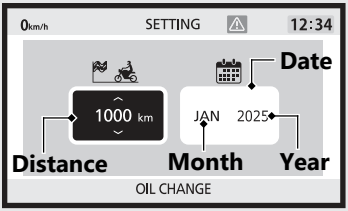
Month: ---, JAN to DEC

Year: ----, 2020 to 2099

Instruments *(Continued)*

Next oil change setting

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

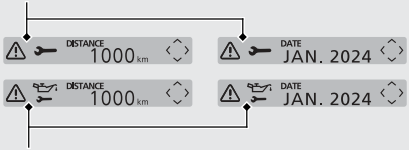


2. Select the desired setting using ▲ or ▼ on the sel switch.
   - ▶ If you press and hold ▲ on the sel switch while setting the distance, it will move every 1000.
   - ▶ Available setting range of the distance:
     ED,II ED, III ED, IV ED type
     ------, 100 to 12,000 km (100 to 8,000 mile)
     Initial setting:------
     GS,II GS type
     ------, 100 to 12,000 km
     Initial setting:------
   - ▶ Available setting range of the date:
     Month:---, JAN to DEC
     Initial setting:---
     Year: ----, 2020 to 2099
     Initial setting:----
   - ▶ Maintenance information (P.77) will not be displayed if the distance and date are set to the initial settings.
3. Press ◀ on the sel switch to complete the setting.
4. Return to the ordinary display to complete the setting. P.45
   To continue setting, press ◀ on the sel switch to return to the upper hierarchy.

When reaching any of the following, the pop-up information is appears in the ordinary display. P.77

- "500 km" ("300 mile") from the next periodic inspection.
- "100 km" ("60 mile") from the next engine oil change.
- One month before the set month.

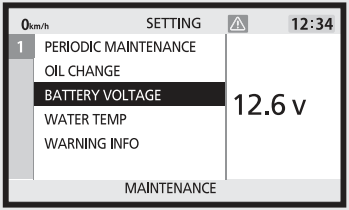
Periodic inspection



Oil change information

BATTERY VOLTAGE

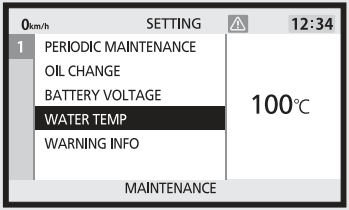
Displays the current voltage.



Instruments *(Continued)*

WATER TEMP

Displays the current coolant temperature.



Display range: 35°C to 132°C

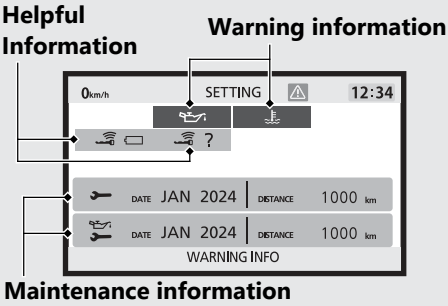
- 34°C or less: "---" is displayed.
- Between 122°C and 131°C:
  - High coolant temperature indicator and warning indicator come on. The high coolant temperature indicator is displayed in the warning information. P.75 P.79
  - Coolant temperature digits flash.
- Above 132°C:
  - High coolant temperature indicator and warning indicator come on. The high coolant temperature indicator is displayed in the warning information. P.75 P.79
  - "132°C" flashes.
- Even if the engine coolant temperature is low, the cooling fan may start running when you rev up the engine. This is normal.

If the coolant temperature "--- " flashes.
P.191

WARNING INFO

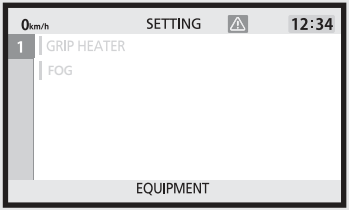
Displays a current maintenance information, helpful information and (or) warning information. P.77

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



EQUIPMENT

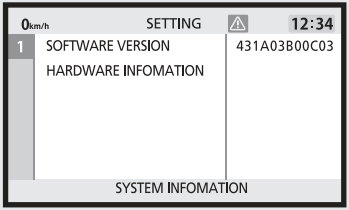
"EQUIPMENT" is displayed but not selectable.



Instruments *(Continued)*

SYSTEM INFORMATION

Displays the software version and hardware information.



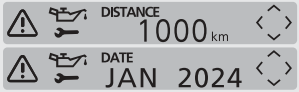
Pop-up information

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

- Maintenance information:
  When the inspection time of your vehicle is approaching.
- Helpful information:
  When your vehicle has helpful information.
- Warning information:
  When your vehicle has warning information.

When your vehicle has multiple pieces of information, pop-up information display appears alternately.

Maintenance Information

Indication	Explanation	Remedy
	When the periodic inspection time of your vehicle is approaching.	Have your vehicle inspected by your dealer.
	When the oil change time of your vehicle is approaching.	Change the engine oil.

Helpful Information

Indication	Explanation	Remedy
	Appears when communication between your vehicle and Honda SMART Key is interrupted after turning on the electrical system.	Refer to "When the Honda SMART Key System Does Not Operate Properly." P.192
	Appears when the battery of Honda SMART Key is weak.	Refer to "Replacing the Honda SMART Key Battery." P.178

Warning Information

Indication	Explanation	Remedy
	When the oil pressure in the engine is low.	Refer to "Low Oil Pressure Indicator" P.184
	When the coolant temperature becomes high.	Refer to "Overheating" P.183

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.29 P.79

Left turn signal indicator

Right turn signal indicator



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

Comes on briefly when the electrical system is turned on.

If it comes on or flashes while engine is running: P.185

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.186

Neutral indicator

Comes on when the transmission is in Neutral.

Torque Control indicator

- Comes on when the electrical system is turned on. Goes off when your speed reaches approximately 5 km/h (3 mph) to indicate Torque Control is ready to work.
- Blinks when Torque Control is operating.

If it comes on while riding: P.187



Honda SMART Key indicator

Comes on briefly when the electrical system is turned on.

When the Honda SMART Key Indicator Flashes: P.188

Steering lock indicator

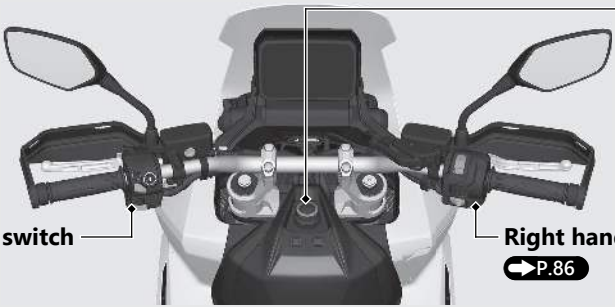
Comes on briefly while the steering lock is activating.

Steering lock: P.87

Torque Control OFF Indicator

Comes on when the Torque Control is turned Off.

Switches



Left handlebar switch
P.84

Right handlebar switch
P.86



Answer back button
This button is used to operate the answer back system.
Answer Back System: P.95

ON/OFF button
This button is used to activate or deactivate the Honda SMART Key system, and also to confirm the activation status. P.90

Ignition Switch

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

► Make sure that the Honda SMART Key is activated P.90 and enter the operating range. P.91

Ignition switch knob ○/🔒 (Off/Lock)



Ignition | (On) switch

🔒 (Lock) Locks steering. P.87



○ (Off) Turns engine off.



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

 ➡ Push the ignition | (On) switch.

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

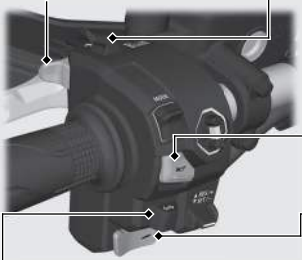
 ➡ Turn and hold the ignition switch knob ○/🔒 (Off/Lock) counterclockwise.

Continued

Switches *(Continued)*

Left handlebar switches

Shift up switch (+)
To shift up the gear. P.116



Headlight dimmer/Passing light control switch
- : High beam
- : DRL auto or off (low beam) P.124
- PASS : Flashes the high beam headlight.

Horn button

Shift down switch (-)
To shift down the gear. P.116

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.45 P.53



MODE switch
Used to change the riding mode. P.103

▲ ▼ ◀ ▶ Sel switch
Used to operate and set the display. P.45
Also used to set the riding mode P.103 and to operate the Honda RoadSync. P.98

RES / + SET / - Cruise control lever
Push up or down to set the speed or adjust the set speed. P.117

Switches *(Continued)*

Right handlebar switches



Engine stop switch/ Start button
Should normally remain in the (Run) position.
► In an emergency, switch to the (Stop) position to stop the engine.

N-D/M switch
To shift between Neutral and AT MODE or MT MODE. P.115

Cruise control main switch
Press to activate the cruise control system.
P.117

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

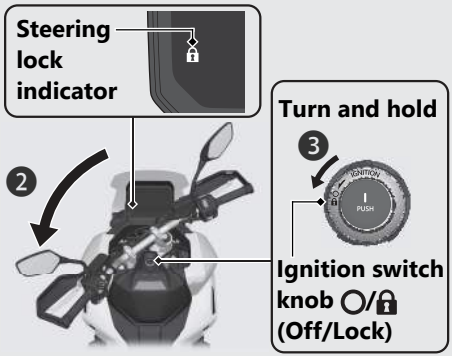
Lock the steering when parking to help prevent theft.

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

▶ When using a U-shaped wheel lock or similar device, be careful not to damage the wheels.

Locking

1. Turn the ignition switch knob ○/🔒 (Off/Lock) counterclockwise to turn off the electrical system. P.83
2. Turn the handlebar all the way to the left.



Switches *(Continued)*

❸ Turn and hold the ignition switch knob O/🔒 (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 ignition 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.90 and enter the operating range. P.91

② Push the ignition | (On) 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 ignition | (On) 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 main switch without inserting a key into a keyhole.
The system runs a two-way authentication between the vehicle and the Honda SMART Key to verify if it is the registered Honda SMART Key.

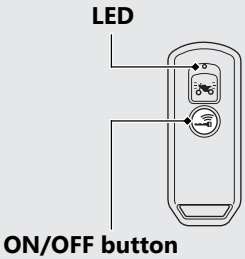
The Honda SMART Key system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.

Honda SMART Key System *(Continued)*

Switching the Honda SMART Key System

To switch the Honda SMART Key system to activation or deactivation

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



To check the Honda SMART Key system status

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

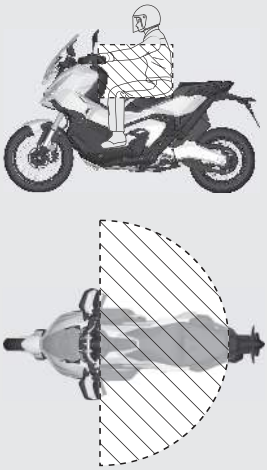
Green: (active)	Honda SMART Key system authentication can be performed.
Red: (inactive)	Honda SMART Key system authentication cannot be performed.

Operating Range

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.

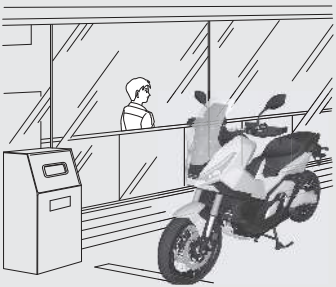
The system can be operated when the Honda SMART Key is within the shaded area shown in the illustration.



Honda SMART Key System *(Continued)*

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

To switching the Honda SMART Key system P.90



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

- Starting the engine
- Unlocking the steering lock
- Unlocking the seat lock
- Unlocking the fuel lid

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

Do not place the Honda SMART Key in the centre compartment.

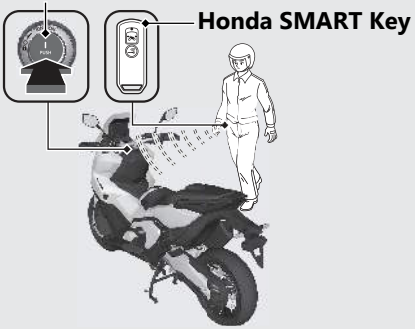
If the electrical system is on, the vehicle can be operated even by a person who does not have a verified Honda SMART Key.
Whenever you leave your vehicle, turn off the electrical system and lock the steering.
P.87

Operating the Ignition 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.90
2. Push the ignition (On) switch. P.83
   ► The electrical system activates and the engine can be started.

Ignition (On) switch



Honda SMART Key System *(Continued)*

To Turn Off the Electrical System

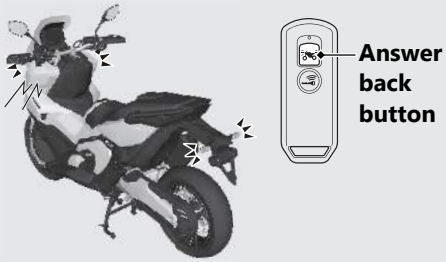
1. Turn the ignition switch knob ○/🔒 (Off/Lock) counterclockwise.
2. Leave the operating range with the Honda SMART Key P.91 or switch the Honda SMART Key system to deactivation. P.90

When the Honda SMART Key system does not work properly P.192

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

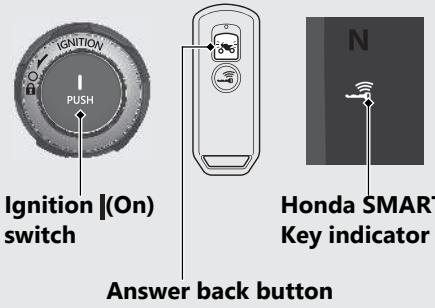
Continued

Answer Back System *(Continued)*

Adjusting the Answer Back Buzzer Sound Volume Level

You can select the buzzer sound volume from 3 levels.

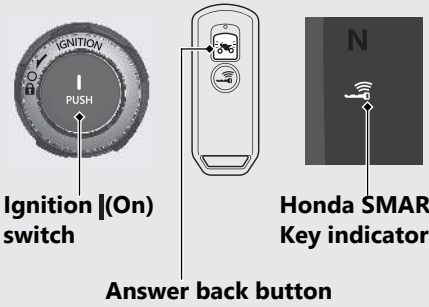
1. Lock the steering. P.87
2. Make sure that the Honda SMART Key system is activated. P.90
3. Press the answer back button on the Honda SMART Key 3 times within 1 minute while pushing and holding the ignition (On) switch.
4. Release the ignition (On) switch.
   - ► The Honda SMART Key indicator comes 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 ignition switch knob (Off/Lock) counterclockwise before the Honda SMART Key indicator goes off.



Changing the Answer Back Buzzer Sound Pattern

You can select buzzer sound from 3 patterns.

1. Lock the steering. P.87
2. Make sure that the Honda SMART Key system is activated. P.90
3. Press the answer back button on the Honda SMART Key 4 times within 1 minute while pushing and holding the ignition (On) switch.
4. Release the ignition (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 ignition switch knob (Off/Lock) counterclockwise before the Honda SMART Key indicator goes off.



Honda RoadSync

ED, II ED, III ED, IV ED type

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.

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 smartphone.
- When unable to connect your smartphone to the vehicle, change the storage location of the smartphone.

Honda RoadSync *(Continued)*

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

- Be especially cautions when crossing intersections, in heavy traffic. etc.
- Observe the roadway, signs, and signals, carefully.
- Obey traffic laws while riding.

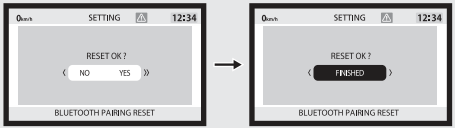
Honda RoadSync Limitations

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*®

① Select the BLUETOOTH PAIRING RESET menu. P.45 P.67



② When the "NO" is selected

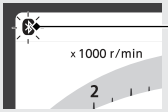
Press the ◀ on the sel switch. The pairing record is maintained, and then the display returns to the upper level hierarchy.

When the "YES" is selected

Press and hold the ▶ on the sel switch. The pairing record is reset.

③ After resetting, complete pairing while the *Bluetooth*® indicator flashing by operated the application on your smartphone.

▶ When the display returns to the ordinary display, the *Bluetooth*® indicator is flashing.



***Bluetooth*® indicator**

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

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

Parking Brake

Parking Brake Lever

Be sure the parking brake is applied while parking and warming up the engine.

▶ Make sure the parking brake lever is released before riding.

To apply the parking brake

Push the parking brake lever to the right until it snaps into place.

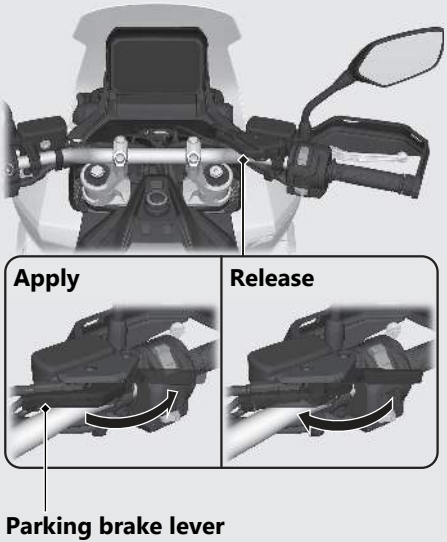
▶ The parking brake lock will not function if the parking brake is not adjusted properly.

P.166

To release the parking brake

Push the parking brake lever back to the original position.

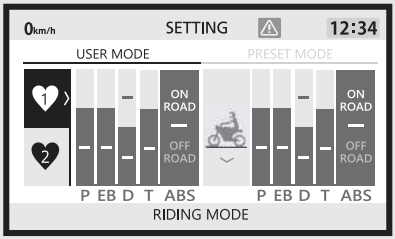
▶ Before riding, check that the parking brake indicator is turned off and make sure that the parking brake is fully released so there is no drag on the rear wheel.



Riding mode

You can change the riding mode.
The riding mode consists of the following parameters.
The level of each parameter changes according to the selected riding mode.

P: Engine power output level
EB: Engine brake level
D: DCT mode
T: Torque control level
ABS: ABS mode



Riding mode has 6 modes.
Available riding modes: [STANDARD], [RAIN], [GRAVEL], [USER 1], [USER 2] and [SPORT]

STANDARD : Standard, all-round mode for a variety of situations.
SPORT : This mode is suitable for sports riding. You can feel the higher engine response compared to STANDARD.
RAIN : Good for stable riding on slippery surfaces such as rainy conditions.
GRAVEL : Suitable for enjoying flat dirt riding.

USER 1 and USER 2
Each value of initial setting can be changed.

Riding mode *(Continued)*

Initial setting

	P level	EB level	D level	T level	ABS mode
STANDARD 	2	2	2	2	ON ROAD
SPORT 	3	3	4	1	ON ROAD
RAIN 	1	1	1	3	ON ROAD
GRAVEL 	3	3	3G	1	OFF ROAD
USER 1 	2*1	2*1	2*1	2*1, 2	ON ROAD*1
USER 2 	2*1	2*1	2*1	2*1, 2	ON ROAD*1

Notes:
*1 : Level can be changed.
*2 : If off is selected, the level will change to 2 the next time the ignition is turned on.

P level (Engine power output level)

P level has three setting levels.

Available setting range: 1 to 3

- ▶ Level 1 has the least power.
- ▶ Level 3 has the most power.

EB level (Engine brake level)

EB level has three setting levels.

Available setting range: 1 to 3

- ▶ Level 1 has the weakest engine braking effect.
- ▶ Level 3 has the strongest engine braking effect.

D level (DCT mode)

D level (DCT mode) has five setting levels.

Available setting range:

1 to 4 (1, 2, 3, 3G, 4)

- ▶ Higher engine revolution can be used by increasing the level.
- ▶ Level 1 has the lowest engine revolution.
- ▶ Level 4 has the highest engine revolution.
- ▶ Level 3G is suitable for enjoying flat dirt riding.
- ▶ In MT MODE, the D level can only be displayed the current level. However, there is no shifting depending on the level.

Riding mode *(Continued)*

T level (Torque control level)

T level has three setting levels or can be turned off.

Available setting range: 1 to 3, or Off

- ▶ Level 1 is the minimum Torque Control level.
- ▶ Level 3 is the maximum Torque Control level.
- ▶ Off deactivates the Torque Control.
- ▶ If the electrical system is turned from off to on while the T level is set to Off, the T level is automatically set to 2.

ABS (ABS mode)

ABS (ABS mode) has two setting levels.

Available setting range:

ON ROAD or OFF ROAD

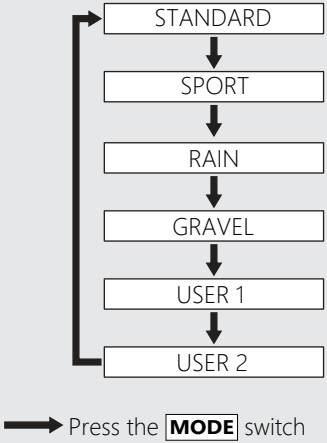
- ▶ ON ROAD is on road mode.
- ▶ OFF ROAD is off road mode.

Selecting the riding mode

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

Each time the electrical system is turned on the riding mode returns to STANDARD.



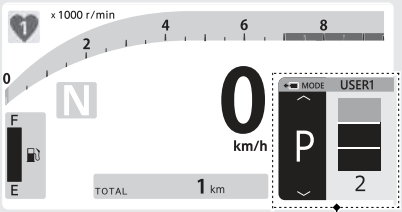


Riding mode *(Continued)*

Setting the riding mode

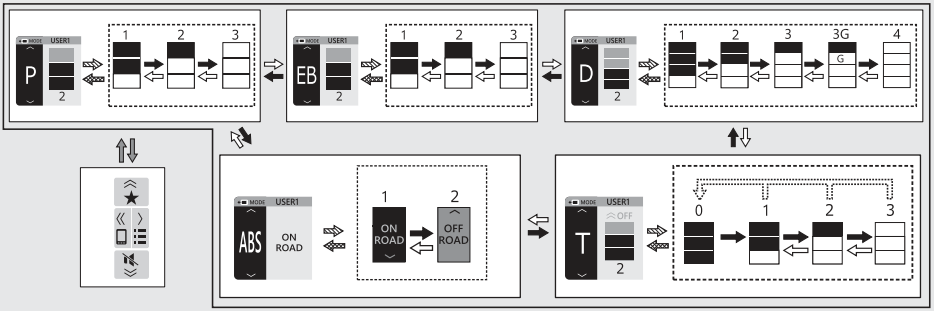
You can change the P, EB, D, T and ABS levels on the USER of the riding mode.

1. Stop the vehicle.
2. Select the USER 1 or USER 2 riding mode. P.107
3. Press and hold the **MODE** button until the parameter setting is displayed in the selectable area.



4. Select the desired parameter and setting level.
   - To select the parameter, push the sel switch in the direction of ▲ or ▼.
   - Press ▶ on the sel switch to select the setting level using ▲ or ▼ on the sel switch.
   - T level can be changed to 0 (off) by pressing and holding ▲ on the sel switch while selecting the T parameter.
   - In MT MODE, the D level can only be displayed the current level. However, there is no shifting depending on the level. To change between the AT MODE and MT MODE. P.115
5. Press and hold the **MODE** button until the parameter setting is hidden in the selectable area.

You can also change the levels on the USER of the riding mode in the setting mode of the instruments. P.45 P.50



Press and hold the **MODE** switch

Push the sel switch in the direction of ▶

Push the sel switch in the direction of ◀

Press ▲ on the sel switch

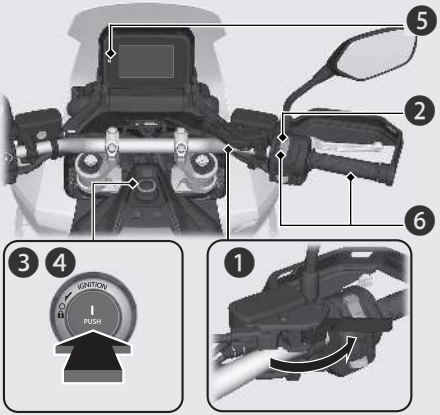
Press ▼ on the sel switch

Press and hold ▲ on the sel switch

Starting the Engine

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

This vehicle is equipped with a Honda SMART Key system. Always keep Honda SMART Key on you when you ride the vehicle. P.91



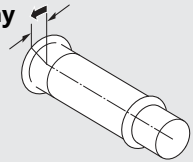
NOTICE

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

1. Check the parking brake.
2. Make sure the engine stop switch is in the ⟳ (Run) position.
3. Unlock the steering. P.88
4. Activate the electrical system. P.93
5. Shift the transmission to Neutral (N indicator to come on).
6. Press the start button with the throttle completely closed.
7. Make sure the parking brake lever is released before riding.

If you cannot start the engine:
With the throttle slightly open (about 3 mm (0.1 in), without freeplay), press the start button.

About 3 mm (0.1 in), without freeplay



If the engine does not start:
① Open the throttle fully and press the start button for 5 seconds.
▶ The engine will not start at this time. (When the throttle is fully open, the engine will not start when the start button is pressed.) Release the throttle and start button after 5 seconds and proceed to step ②.
② Repeat the normal starting procedure.
③ If the engine starts, open the throttle slightly if idling is unstable.
④ If the engine does not start, wait 10 seconds before trying steps ① & ② again.

If Engine Will Not Start P.182

When you stop the engine
① To stop the engine, shift the transmission to Neutral (N indicator comes on).
▶ If you turn the electrical system off when the vehicle in gear, the engine will shut off with the clutch disengaged.
② Turn the electrical system off.
③ Set the parking brake when you park the vehicle. P.102

Shifting Gears

Your vehicle is equipped with an automatically controlled 6-speed transmission. It can be shifted automatically (by AT MODE) or manually (by MT MODE).

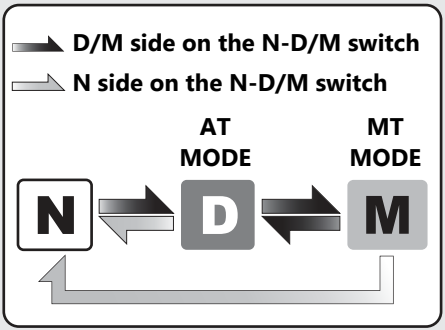
Dual Clutch Transmission

In order to respond to rider demands in a broad range of situations, the transmission is equipped with two operating modes, AT MODE (D) (automatic shift for regular operation); and MT MODE (M) (for 6-speed manual operation), which delivers the same shift feel as a manual transmission.

► Always use the recommended tyres and sprockets to ensure correct Dual Clutch Transmission operation.

The Dual Clutch Transmission system runs a self check immediately after starting the engine.

You cannot shift into gear for a few seconds.



Neutral (N): Neutral is selected automatically when you turn the electrical system on.

If neutral is not selected when the electrical system is turned on.

- ▶ Turn the electrical system off and then on again.
- ▶ If neutral is still not selected after turning the electrical system off and then on again.

P.189

You may hear (click) noises when the transmission shifts to Neutral (N). This is normal.

When you can change between N and D

- ▶ Vehicle is stopped and the engine is idling.
- ▶ Throttle is completely closed. It is not possible to change from Neutral to D mode while the throttle is applied.
- ▶ You cannot change between N and D mode while the wheels are rotating.
- ▶ Side stand is raised.

NOTICE

To prevent clutch damage, do not use the throttle to keep the vehicle stopped uphill.

Shifting Gears *(Continued)*

AT MODE: In this mode, the gears are shifted automatically according to your riding conditions.
And also using the shift up switch (+) or shift down switch (−), you can temporarily shift up or down. These switches are convenient when you want to temporarily down-shift in front of a curve, etc. ➔P.116

You can change the D level when you need more power in AT MODE, such as when overtaking, climbing hills, pulling away. Higher engine RPM can be used by increasing the level.
D level can be changed only when riding mode is USER.
To change the D level : ➔P.45 ➔P.50
Riding mode : ➔P.103

MT MODE (6-speed manual operation):
In this mode, you can choose between 6 gears.

Changing between Neutral and AT MODE/MT MODE

Changing from Neutral (N) to AT MODE

Press the D/M side on the N-D/M switch (①).

"1" is shown (②) in the gear position indicator and first gear is selected.

Changing between AT MODE and MT MODE

Press the D/M side on the N-D/M switch (③).

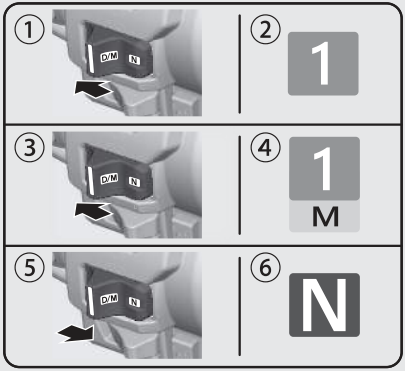
The M indicator comes on (④) while MT MODE is selected.

Changing from AT or MT MODE to Neutral

Press N side on the N-D/M switch (⑤).

"N" is shown (⑥) in the gear position indicator.





Shifting Gears *(Continued)*

Riding in MT MODE

Shift up and down with the shift up switch (+) and shift down switch (−).

The selected gear is shown on the gear position indicator.

- ▶ If the MT MODE is selected, the transmission does not shift up automatically. Do not allow the engine revs to go into the red zone.
- ▶ The transmission automatically shifts down when you slow down, even in MT MODE.
- ▶ You will start from 1st gear even if MT MODE is selected.

Gear shift operation

Shifting Up:

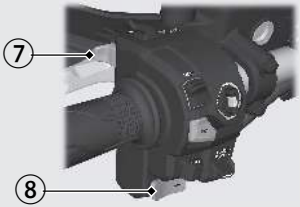
Press the shift up switch (+) (⑦).

Shifting Down:

Press the shift down switch (-) (⑧).

You cannot continue shifting gear by keeping the shift switch pressed.

To continue shifting gear release the switch and press it again.



Shift Limit

You cannot downshift if the engine will exceed the rev limit.

Cruise Control

The cruise control system allows you to maintain a steady speed within a specified range.
The available speed setting range and operating gears are listed below:

Available Speed setting range	50 – 160 km/h (30 - 100 mph)
Operating gear	From 3rd to 6th gear

When cruise control is on, your speed will still vary slightly, particularly when going up and down hills.

Cruise control is intended for use only on straight, uncongested highways. Do not use cruise control on city streets, winding roads, during bad weather, or at any other time when you need total control of the throttle.

⚠WARNING

Improper use of the cruise control can lead to a crash in which you could be seriously hurt or killed.

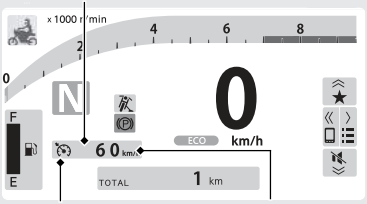
Use the cruise control only when travelling on open highways in good weather.

Cruise Control *(Continued)*

To Set Cruise Control

1. Make sure the travelling speed and operating gear are conformed to the requirements of the system.
   ► Any speed other than the available range will not be memorized.
2. Press the [cruise control main switch] cruise control main switch (The cruise control display will be appeared).
3. Accelerate to the desired speed.
4. Push the cruise control lever to [SET / -] side (The cruise control main indicator colour will be changed).
   ► The current travelling speed is memorized, and then the set speed is displayed on the display.

Cruise control display



Cruise control main indicator

Cruise control set speed



RES / + SET / -

Cruise control lever

Cruise control main switch

To Change the Set Speed

To Fine Tune the Set Speed

1. To increase the set speed: tap the cruise control lever to RES / + side.
   To decrease the set speed: tap the cruise control lever to SET / - side.
2. The set speed is displayed in the display.

Each quick tap (brief push and release) on either side will change your speed by 1 km/h or 1 mph (depending on the mileage meter set unit).
Any speed other than the possible setting range will not be indicated (stops at the upper or lower limit of the available speed setting range).

To Change the Set Speed Continuously

- To increase the set speed: push and hold the cruise control lever to RES / + side.
  The system will accelerate your vehicle automatically. When you reach the desired speed, release the cruise control lever.
  If the cruise control lever is pushed and held to RES / + side continuously, the set speed indicated in the display will stop at the upper limit of the available speed setting range.
- To decrease speed: push and hold the cruise control lever to SET / - side. The system will automatically slow your vehicle. When you reach the desired speed, release the cruise control lever.
  If the cruise control lever is pushed and held to SET / - side continuously, the set speed indicated in the display will stop at the lower limit of the available speed setting range.

Cruise Control *(Continued)*

To Manually Increase the Set Speed

1. Use the throttle to accelerate until you reach the desired speed.
2. Push and release the cruise control lever to SET / - side.
   ▶ Cruise control set speed is set to the travelling speed when cruise control lever is released.

To Manually Increase Vehicle Speed

1. Use the throttle in the normal manner to accelerate.
2. To return to the set speed, close the throttle and coast without applying the brakes.
   ▶ The cruise system will maintain the speed you previously set.

To Cancel Cruise Control

To Disengage the System

- Press the cruise control main switch (The cruise control display disappears, and the set speed will be erased from memory).

To Temporarily Disengage the System

1. Perform one of the following operations to disengage the system temporarily (The colour of cruise control main indicator temporarily goes off but the set speed remains in memory).
   - Apply the brake lever or pedal.
   - Rotate the throttle grip past the automatically closed position in the deceleration direction.

2. To resume cruise control:
   - If you are still travelling over 50 km/h (30 mph), push and release the cruise control lever to RES / + side.
   - If you are travelling under 50 km/h (30 mph), use the throttle to increase road speed above 50 km/h (30 mph), and then push and release the cruise control lever to RES / + side.

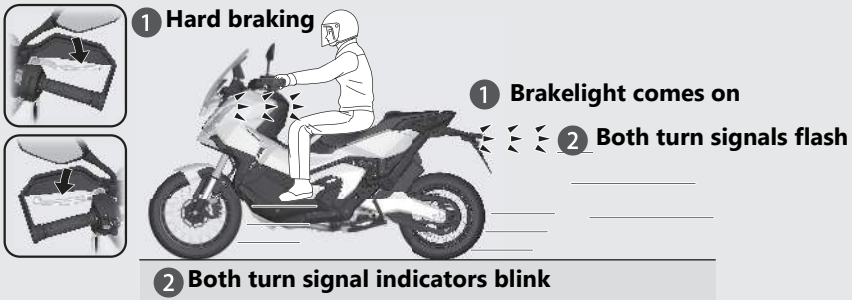
Emergency Stop Signal

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.53, 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 position light.



Refuelling

Fuel type: Unleaded petrol only
Fuel octane number: Your vehicle is designed to use Research Octane Number (RON) 91 or higher.
Tank capacity: 13.2 L (3.49 US gal, 2.90 Imp gal)

Refuelling and Fuel Guidelines P.15

Opening the Fuel Fill Cap

1. Make sure that the Honda SMART Key is activated P.90 and enter the operating range. P.91
2. Push the fuel lid opener switch.
3. Turn the fuel fill cap counterclockwise until it stops and remove the cap.



Fuel lid opener switch



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

Refuelling *(Continued)*

Closing the Fuel Fill Cap

① Install and tighten the fuel fill cap firmly by turning it clockwise.

▶ Make sure that the arrow marks on the cap and fuel tank are aligned.

② Close the fuel lid.

⚠WARNING

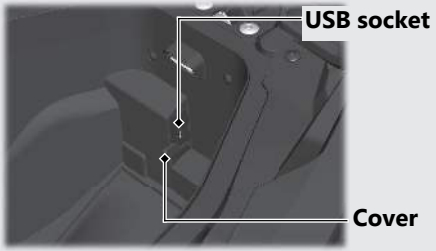
Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

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

USB Socket

Your vehicle is equipped with the USB socket (for USB Type-C only).
The USB socket is located in the luggage box.
P.128
This socket are for battery charge only.
Use USB devices at your own risk. In no event shall Honda be liable for any damage to your USB device when in use.

Only USB devices within the following specifications can be connected.
Open the cover to access the socket.
Rated capacity is **15 W (5 V, 3.0 A)**.



▶ To prevent the battery from becoming weak (or dead), keep the engine running while drawing current from the socket.
▶ To prevent entry of foreign matter into the socket, be sure to close the cover.

NOTICE

- Using any heat-generating USB devices or improperly rated USB devices can damage the socket.
- Do not use the USB socket in wet conditions, when or while washing or any other wet conditions as these will damage the USB socket.

Storage Equipment

Luggage Box



Seat opener switch



Open

1. Make sure that the Honda SMART Key is activated P.90 and enter the operating range. P.91
2. Push the seat opener switch.
3. Pull up the rear of the seat.

Close

Push down the rear of the seat until it locks in place.

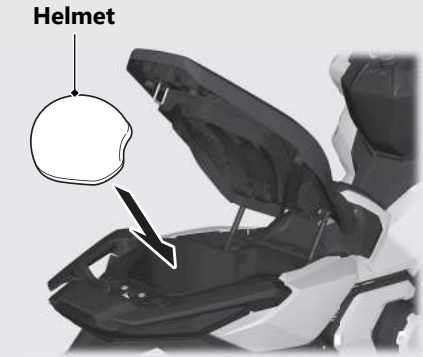
- Make sure that the tab is locked securely in position to pull up the rear of the seat lightly.
- Take care not to store the deactivated Honda SMART Key and emergency key together in the fairing pocket.

Never exceed the maximum weight limit.

Maximum Weight: 5.0 kg (11.0 lb)

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

A helmet can be stored in the luggage box.
Set in the front of the helmet upward.

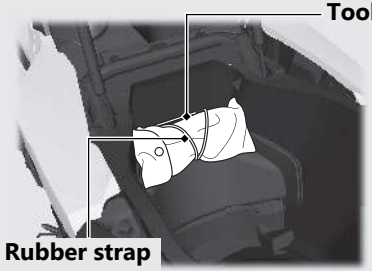


▶ Some helmets may not fit in the compartment due to their size or design.

Storage Equipment *(Continued)*

Tool Kit

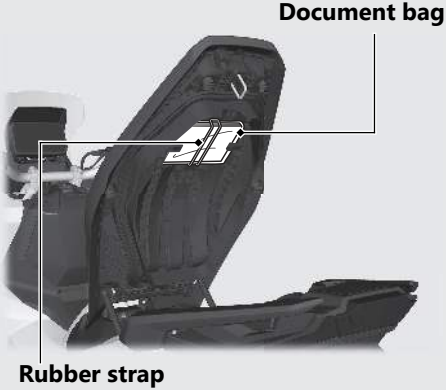
The tool kit is stored in the luggage box by the rubber strap.



Opening the seat P.128

Document Bag

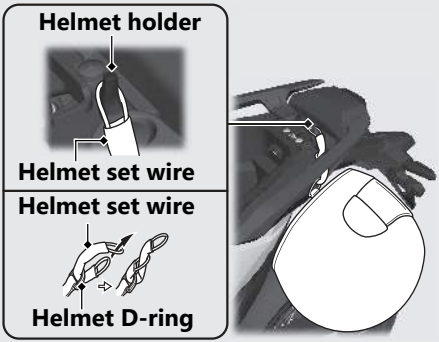
The document bag is stored reverse side of the seat.



Opening the seat P.128

Helmet Holder

The helmet holder is located under the seat. A helmet set wire is in the tool kit.



▶ Use the helmet holder only when parked.

Opening the seat P.128

⚠WARNING

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

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

Storage Equipment *(Continued)*

Fairing Pocket

Never exceed the maximum weight limit.
Maximum Weight: 0.5 kg (1.0 lb)

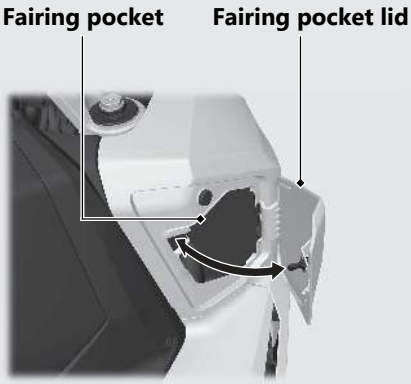
Open

To open the fairing pocket, pull the fairing pocket lid.

Close

Push the fairing pocket lid until it is firmly closed.

- ▶ Do not store valuables or fragile articles.
- ▶ Make sure the fairing pocket is closed before riding.
- ▶ Be careful not to flood this area when washing your vehicle.



Maintenance

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

Importance of Maintenance ..... P. 134
Maintenance Schedule ..... P. 135
Maintenance Fundamentals ..... P. 140
Tools ..... P. 152
Removing & Installing Body Components ..... P. 153
- Battery ..... P. 153
- Clip ..... P. 154
- Front Lower Cover ..... P. 155
- Maintenance Lid ..... P. 156
- Left Side Cover ..... P. 157

Engine Oil ..... P. 160
Coolant ..... P. 162
Brakes ..... P. 164
Side Stand ..... P. 167
Drive Chain ..... P. 168
Throttle ..... P. 171
Other Adjustments ..... P. 172
- Adjusting the Brake Lever ..... P. 172
- Adjusting the Front Suspension ..... P. 173
- Adjusting the Rear Suspension ..... P. 175
- Adjusting the Windscreen Height ..... P. 176

Other Replacement ..... P. 178
- Replacing the Honda SMART Key Battery ..... P. 178

Importance of Maintenance

Keeping your vehicle well-maintained is absolutely essential to your safety and to protect your investment, obtain maximum performance, avoid breakdowns, and reduce air pollution. Maintenance is the owner's responsibility. Be sure to inspect your vehicle before each ride and perform the periodic checks specified in the Maintenance Schedule.
➔ P. 135

⚠WARNING

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

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

Maintenance Safety

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

Follow these guidelines when performing maintenance.

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

Maintenance Schedule

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

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

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

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

ED, II ED, III ED, IV ED type

Items		Pre-ride Check ➔ P. 140	Frequency*1 × 1,000 km	1	12	24	36	48	Annual Check	Regular Replace	Refer to page
			× 1,000 mi	0.6	8	16	24	32			
Fuel Line	🔧				I	I	I	I	I		–
Fuel Level		I									–
Throttle Operation	🔧	I			I	I	I	I	I		171
Air Cleaner *2	🔧					R		R			–
Crankcase Breather*3					C	C	C	C			–
Spark Plug	🔧					I		R			–
Valve Clearance	🔧					I		I			–
Engine Oil		I		R	R	R	R	R	R		160
Engine Oil Filter				R		R		R			–
Clutch Oil Filter				R		R		R			–
Engine Idle Speed	🔧				I	I	I	I	I		–
Radiator Coolant *4		I			I	I	I	I	I	3 Years	162
Cooling System	🔧				I	I	I	I	I		–
Evaporative Emission Control System	🔧					I		I			–

Maintenance Level

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

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

Maintenance Legend

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

Items		Pre-ride Check ➡ P. 140	Frequency*1 × 1,000 km	1	12	24	36	48	Annual Check	Regular Replace	Refer to page
			× 1,000 mi	0.6	8	16	24	32			
Drive Chain		I		Every 1,000 km (600 mi): I L							168
Drive Chain Slider					I	I	I	I			170
Brake Fluid *4		I			I	I	I	I	I	2 Years	164
Brake Pads Wear		I			I	I	I	I	I		165
Brake System					I	I	I	I	I		140
Brake Lock Operation					I	I	I	I			166
Headlight Aim					I	I	I	I	I		–
Lights/Horn		I									–
Engine Stop Switch		I									–
Side Stand		I			I	I	I	I	I		167
Suspension					I	I	I	I	I		–
Nuts, Bolts, Fasteners					I	I	I	I	I		–
Wheels/Tyres		I			I	I	I	I	I		149
Steering Head Bearings					I	I	I	I	I		–

Notes:

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

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

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

*4 : Replacement requires mechanical skill.

Continued

GS,II GS type

Items		Pre-ride Check ➔ P. 140	Frequency *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
Fuel Line	🔧					I		I		I	I		–
Fuel Level		I											–
Throttle Operation	🔧	I				I		I		I	I		171
Air Cleaner *2	🔧						R			R			–
Crankcase Breather *3					C	C	C	C	C	C			–
Spark Plug	🔧		Every 24,000 km (16,000 mi): I, Every 48,000 km (32,000 mi): R										–
Valve Clearance	🔧							I					–
Engine Oil		I		R		R		R		R	R		160
Engine Oil Filter				R				R					–
Clutch Oil Filter				R				R					–
Engine Idle Speed	🔧					I		I		I	I		–
Radiator Coolant *4		I				I		I		I	I	3 Years	162
Cooling System	🔧					I		I		I	I		–
Evaporative Emission Control System	🔧							I					–

Maintenance Level

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

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

Maintenance Legend

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

R : Replace

L : Lubricate

C : Clean

Items		Pre-ride Check ➡ P. 140	Frequency *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
Drive Chain		I	Every 1,000 km (600 mi): I L										168
Drive Chain Slider						I		I		I			170
Brake Fluid *4		I			I	I	I	I	I	I	I	2 Years	164
Brake Pads Wear		I			I	I	I	I	I	I	I		165
Brake System						I		I		I	I		140
Brake Lock Operation	🔧				I	I	I	I	I	I			166
Headlight Aim						I		I		I	I		–
Lights/Horn		I											–
Engine Stop Switch		I											–
Side Stand		I				I		I		I	I		167
Suspension	🔧					I		I		I	I		–
Nuts, Bolts, Fasteners	🔧					I		I		I	I		–
Wheels/Tyres	🔧	I				I		I		I	I		149
Steering Head Bearings	🔧					I		I		I	I		–

Notes:

*1 : At higher odometer reading, repeat at the frequency interval established here.
*2 : Service more frequently when riding in unusually wet or dusty areas.
*3 : Service more frequently when riding in rain or at full throttle.
*4 : Replacement requires mechanical skill.

Pre-ride Inspection

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

Check the following items before you get on your vehicle:

- Fuel level - Fill fuel tank when necessary ➔ P. 125
- Throttle - Check for smooth opening and full closing in all steering positions ➔ P. 171
- Engine oil level - Add engine oil if necessary. Check for leaks ➔ P. 160
- Coolant level - Add coolant if required. Check for leaks ➔ P. 162
- Drive chain - Check condition and slack, adjust and lubricate if necessary ➔ P. 168
- Brakes - Check operation;
  Front and Rear: check brake fluid level and pads wear ➔ P. 164, ➔ P. 165
- Lights and horn - Check that lights, indicators and horn function properly
- Engine stop switch - Check for proper function ➔ P. 82
- Side stand ignition cut-off system - Check for proper function ➔ P. 167
- Wheels and tyres - Check condition, air pressure and adjust if necessary ➔ P. 149

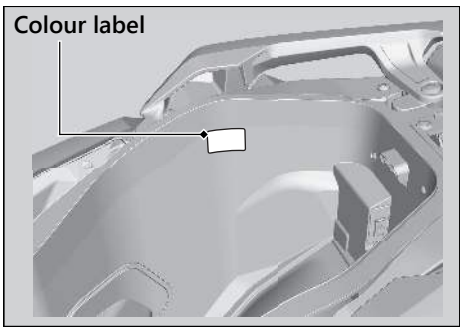
Replacing Parts

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

ED, II ED, III ED, IV ED type

When ordering coloured components, specify the model name, colour, and code mentioned on the colour label.

The colour label is attached to the luggage box under the seat. P. 128



⚠WARNING

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

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

Battery

Your vehicle has a maintenance-free type battery. You do not have to check the battery electrolyte level or add distilled water. Clean the battery terminals if they become dirty or corroded.

Do not remove the battery cap seals. There is no need to remove the cap when charging.

NOTICE

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



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

NOTICE

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

What to do in an emergency

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

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

⚠WARNING

The battery gives off explosive hydrogen gas during normal operation.

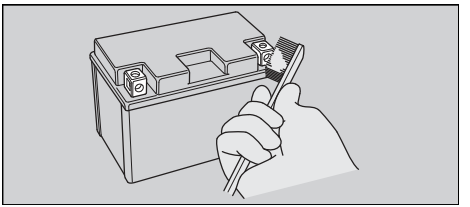
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

Cleaning the Battery Terminals

1. Remove the battery. ➡P. 153
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

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



4. After cleaning, reinstall the battery.

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

NOTICE

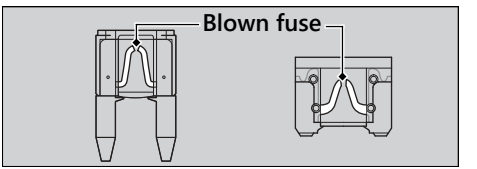
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

Fuses

Fuses protect the electrical circuits on your vehicle. If something electrical on your vehicle stops working, check for and replace any blown fuses. ➡ P. 205

Inspecting and Replacing Fuses

Turn off the electrical system to remove and inspect fuses. If a fuse is blown, replace with a fuse of the same rating. For fuse ratings, see "Specifications." ➡ P. 235



NOTICE

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

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

Engine Oil

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

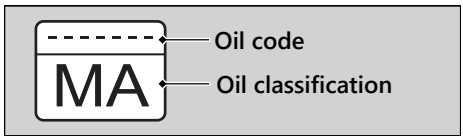
Selecting the Engine Oil

For recommended engine oil, see "Specifications." P. 234

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

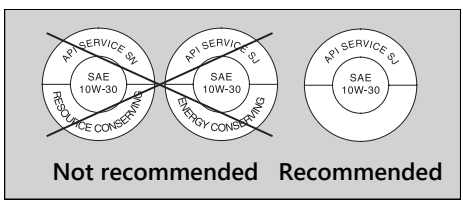
- JASO T 903 standard[*1]: MA
- SAE standard[*2]: 10W-30
- API classification[*3]: SJ or higher

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



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

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



Brake Fluid

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

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

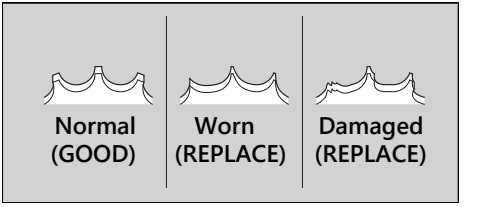
Recommended brake fluid:
Honda DOT 4 Brake Fluid or equivalent

Drive Chain

The drive chain must be inspected and lubricated regularly. Inspect the chain more frequently if you often ride on bad roads, ride at high speed, or ride with repeated fast acceleration. ➔ P. 168

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

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

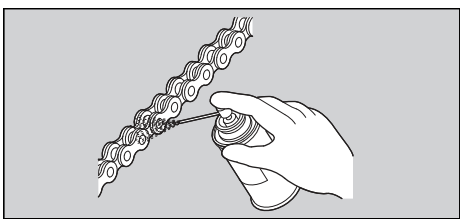


NOTICE
Use of a new chain with worn sprockets will cause rapid chain wear.

Cleaning and Lubricating

After inspecting the slack, clean the chain and sprockets while rotating the rear wheel. Use a dry cloth with chain cleaner designed specifically for O-ring chains, or neutral detergent. Use a soft brush if the chain is dirty.
After cleaning, wipe dry and lubricate with the recommended lubricant.

Recommended lubricant:
Drive chain lubricant designed specifically for O-ring chains
If not available, use SAE 80 or 90 gear oil.



Do not use a steam cleaner, a high pressure cleaner, a wire brush, volatile solvent such as petrol and benzene, abrasive cleaner, chain cleaner or lubricant NOT designed specifically for O-ring chains as these can damage the rubber O-ring seals.
Avoid getting lubricant on the brakes or tyres.
Avoid applying excess chain lubricant to prevent spray onto your clothes and the vehicle.

Recommended Coolant

Except Hong Kong, Singapore

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, Singapore

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. 135

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

Crankcase Breather

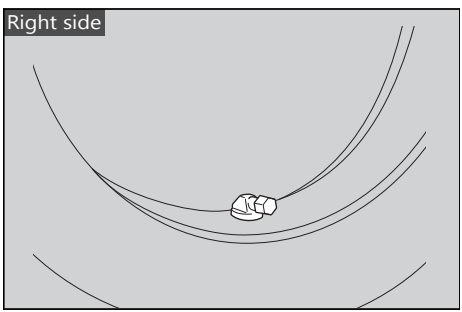
Service more frequently when riding in rain, at full throttle, or after the vehicle is washed or overturned. Service if the deposit level can be seen in the transparent section of the drain tube.
If the drain tube overflows, the air filter may become contaminated with engine oil, causing poor engine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

Tyres (Inspecting/Replacing)

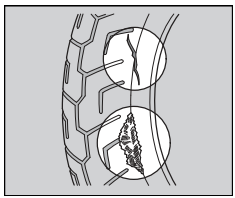
Checking the Air Pressure

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

Even if the direction of the valve stem is changed, do not return it to the original position. Have your vehicle inspected by your dealer.

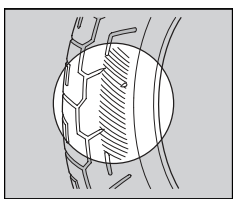


Inspecting for Damage



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

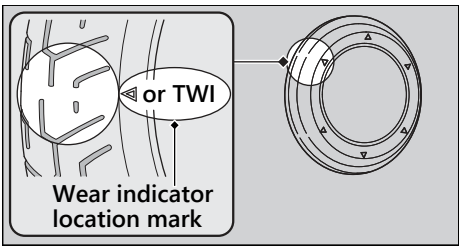


Inspect the tyres for signs of abnormal wear on the contact surface.

Continued

Inspecting Tread Depth

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



⚠WARNING

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

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

Germany

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

Have your tyres replaced by your dealer.
For recommended tyres, air pressure, and minimum tread depth, see “Specifications.”
P. 233
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.

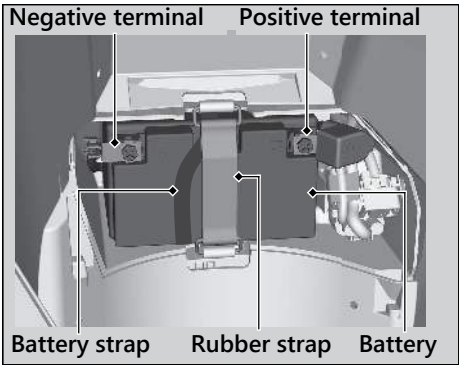
Tools

The tool kit is stored under the seat. ➔P. 128

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

- 10 x 14 mm Open end wrench
- 12 x 14 mm Open end wrench
- 19 mm Box end wrench
- 5 mm Hex wrench
- Screwdriver handle
- Standard/Phillips screwdriver
- BFR adjuster
- Pin spanner
- Extension bar
- Fuse puller
- EM mode coupler
- Helmet set wire

Battery



Removal

Make sure the electrical system is turned off.

1. Remove the maintenance lid. P. 156
2. Unhook the rubber strap.
3. Disconnect the negative ⊖ terminal from the battery.
4. Disconnect the positive ⊕ terminal from the battery.
5. Remove the battery, taking care not to drop the terminal nuts.
   ▶ Remove the battery by pulling the battery strap with one hand while supporting the battery with the other.

Installation

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

Make sure the clock information is correct after the battery is reconnected. P. 63

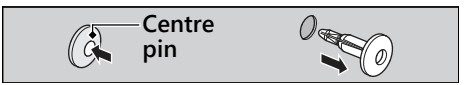
For proper handling of the battery, see "Maintenance Fundamentals." P. 142

"Battery Goes Dead." P. 204

Clip

Removal

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



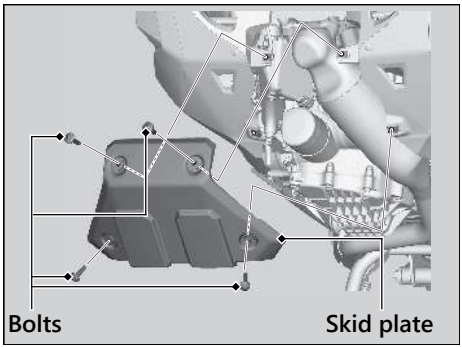
Installation

1. Push the bottom of the centre pin.



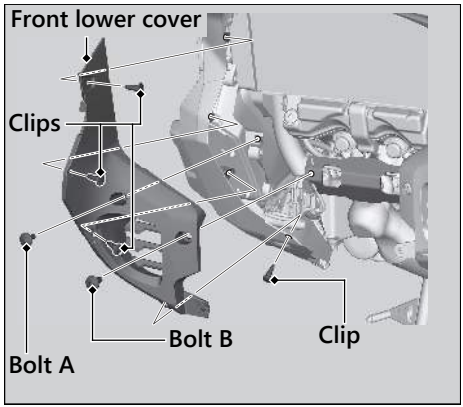
2. Insert the clip into the hole.
3. Press down on the centre pin to lock the clip.

Front Lower Cover



Removal

1. Remove the skid plate by removing the bolts.

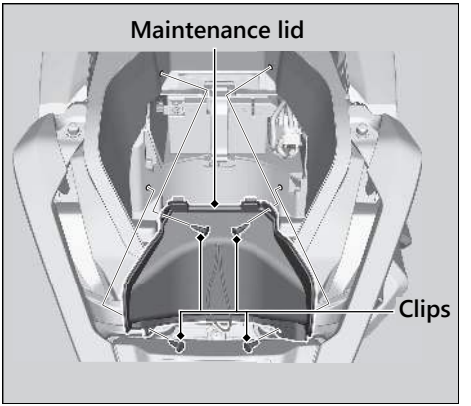


2. Remove the bolt A, bolt B and clips. P. 154
3. Remove the front lower cover.

Installation

Install the parts in the reverse order of removal.

Maintenance Lid



Removal

1. Open the seat. P. 128
2. Remove the tool kit.
3. Remove the clips (P. 154) and maintenance lid.

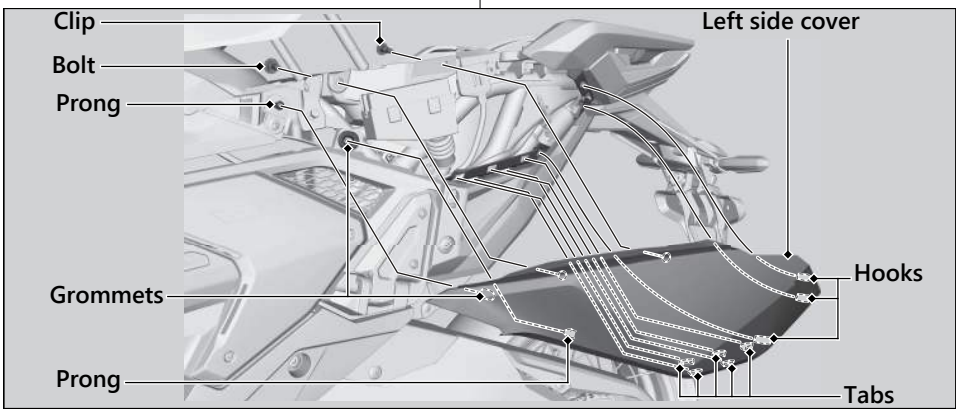
Installation

Install the parts in the reverse order of removal.

Left Side Cover

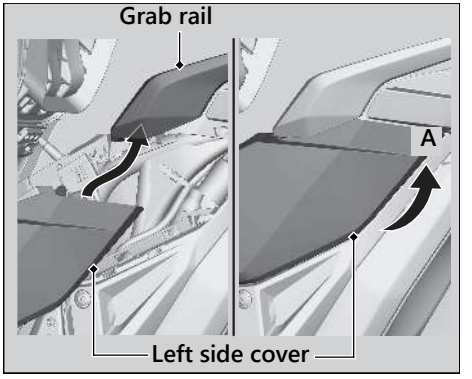
Removal

1. Open the seat. P. 128
2. Remove the bolt and clip. P. 154
3. Remove the prongs from the grommets.
4. Release the tabs from slots.
   ▶ Carefully release the tabs from the slots.
5. Pull the side cover slightly back to release the hooks from the slots.
   ▶ Carefully release the hooks from the slots.
6. Remove the Left side cover.

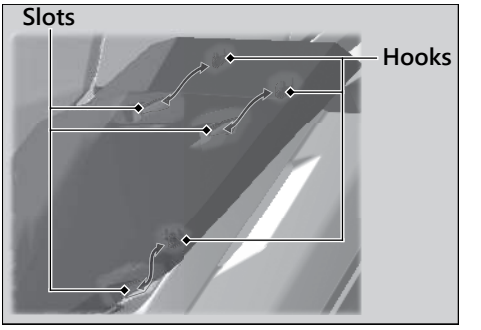


Continued

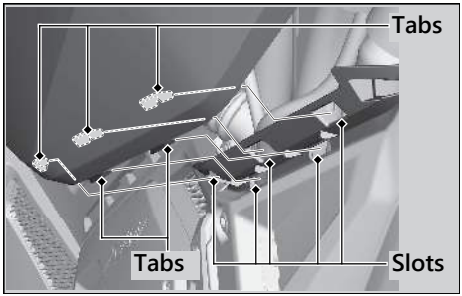
Installation



1. Insert the left side cover on the back of the grab rail.
2. Tilt the left side cover slightly toward A.



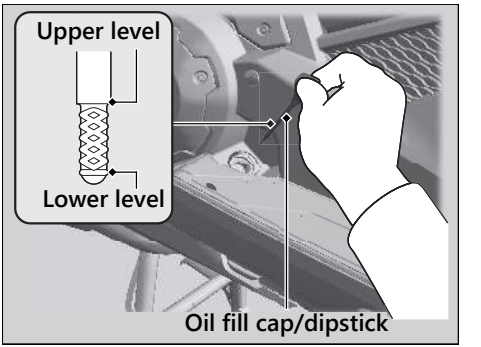
3. Pull the left side cover back slightly and attach the hooks into the slots.
   ▶ To attach the hooks securely, push the left side cover forward.



4. Insert the tabs into the slots.
5. Insert the prongs into the grommets.
6. Install the bolt and clip.
7. Close the seat.

Checking the Engine Oil

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



Adding Engine Oil

If the engine oil is below or near the lower level mark, add the recommended engine oil.
P. 145, P. 234

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

2. Securely reinstall the oil fill cap/dipstick.

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

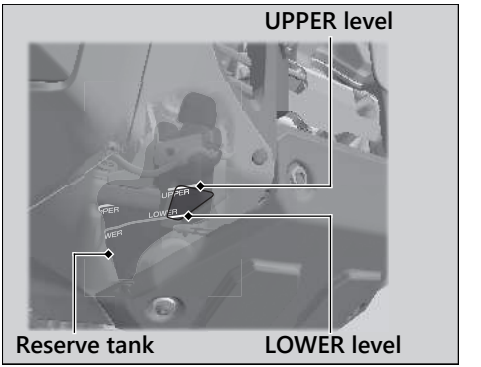
For the recommended oil and oil selection guidelines, see "Maintenance Fundamentals."
P. 145

Checking the Coolant

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

1. Place your vehicle on a firm, level surface.
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. 148) until the level reaches the UPPER level mark.

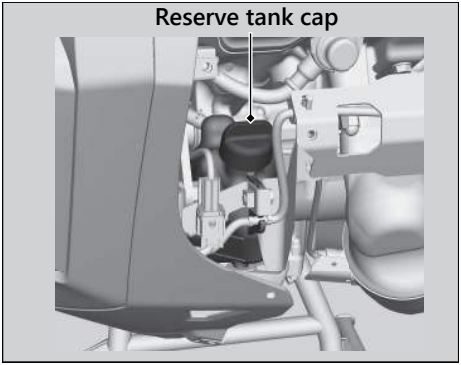
Add fluid only from the reserve tank cap and do not remove the radiator cap.

1. Remove the front lower cover. P. 155
2. Remove the reserve tank cap and add fluid while monitoring the coolant level.
   - ▶ Do not overfill above the UPPER level mark.
   - ▶ Make sure no foreign objects enter the reserve tank opening.
3. Securely reinstall the reserve tank cap.
4. Install the parts in the reverse order of removal.

⚠WARNING

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

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

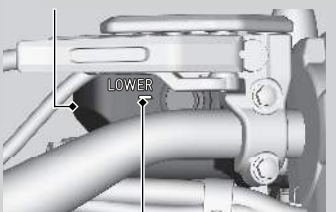


Checking Brake Fluid

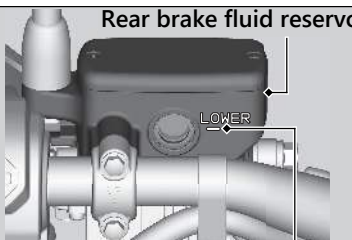
1. Place your vehicle in an upright position on a firm, level surface.
2. Check that the brake fluid reservoir is horizontal and that the fluid level is above the LOWER level mark.

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

Front



Rear



Inspecting the Brake Pads

Check the condition of the brake pad wear indicators.

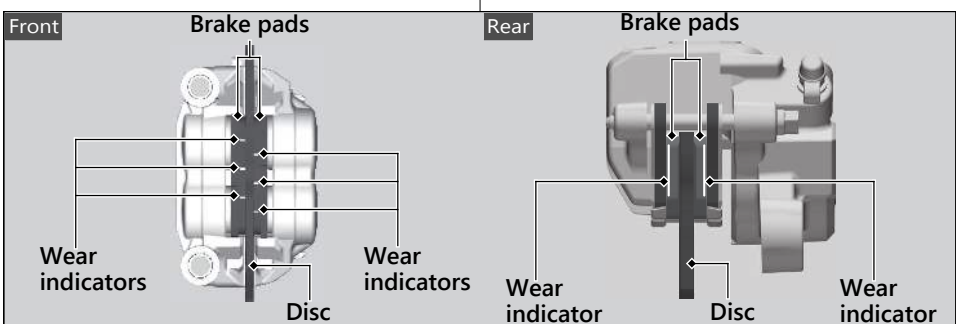
Front The pads need to be replaced if a brake pad is worn to the bottom of the indicator.

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

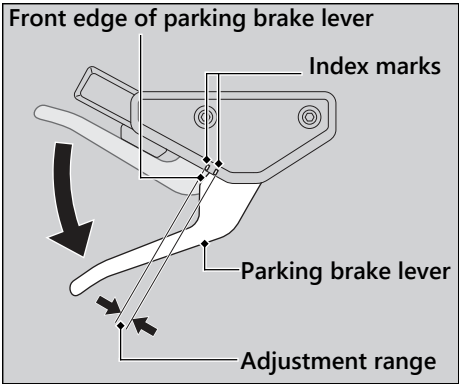
1. Front Inspect the brake pads from in front of the brake caliper.
   ▶ Always inspect both left and right brake calipers.
2. Rear Inspect the brake pads from the rear right of the vehicle.

If necessary, have the pads replaced by your dealer.

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



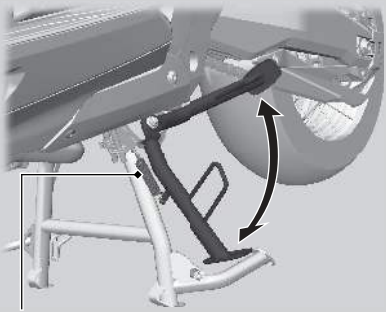
Checking the Parking Brake



1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its centre stand on a firm, level surface.
3. Rotate the rear wheel by hand and slowly pull the parking brake lever.
4. Check that the front edge of the parking brake lever is within the adjustment range (between the index marks), when the brake begins to take hold.

If the brake begins to take hold at out of the adjustment range, have the brake adjusted by your dealer.

Checking the Side Stand



Side stand springs

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. Start the engine and press the D/M side on the N-D/M switch to switch the transmission into D mode.
5. Lower the side stand all the way. The engine should stop as you lower the side stand. If the engine doesn't stop, have your vehicle inspected by your dealer.

Inspecting the Drive Chain Slack

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

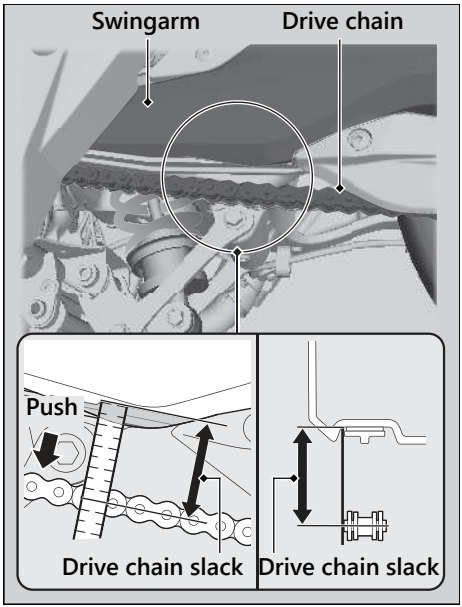
1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its centre stand on a firm, level surface.
3. Check the slack in the lower half of the drive chain midway between the sprockets.
   ▶ While depressing the drive chain, measure the distance from the bottom of the swingarm to the drive chain.

Drive chain slack:

Swingarm to drive chain

45 - 50 mm (1.8 - 2.0 in)

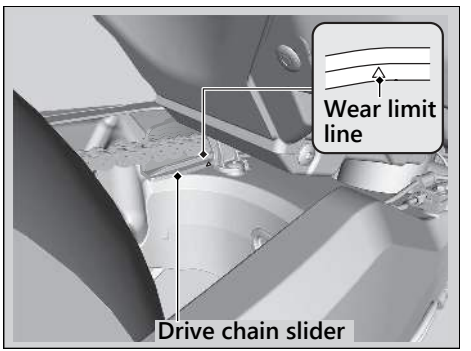
▶ Do not ride your vehicle if the slack exceeds 55 mm (2.2 in).



4. Rotate the rear wheel and check that the chain moves smoothly.
5. Inspect the sprockets. P. 146
6. Clean and lubricate the drive chain. P. 147

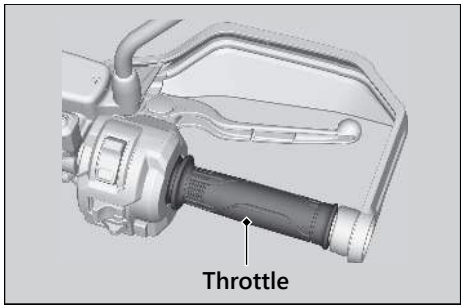
Checking the Drive Chain Slider

Check the condition of the drive chain slider. The drive chain slider will need to be replaced if the chain slider is worn to the wear limit line.
If necessary, have the drive chain slider replaced by your dealer.



Checking the Throttle

With the engine 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.

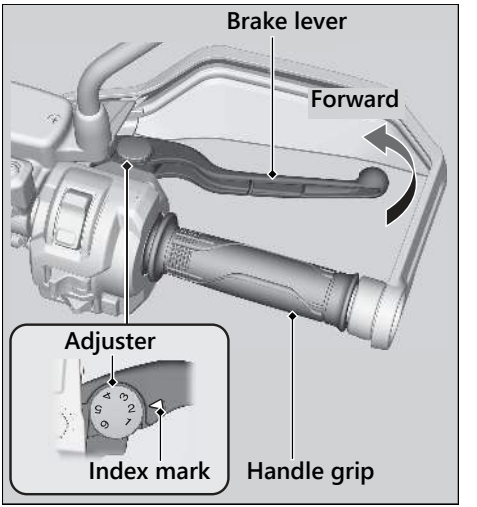
Adjustment method

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.



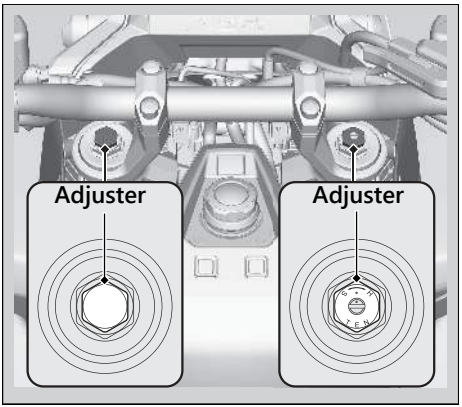
Adjusting the Front Suspension

Spring Preload

You can adjust the spring preload by the adjuster to suit the load or the road surface. Turn the adjuster using the box end wrench provided in the tool kit. P. 152

The spring preload adjuster has 15 turns. Turn clockwise to increase spring preload (hard), or turn counterclockwise to decrease spring preload (soft).

The standard position is 7 turns from the full soft position.



NOTICE

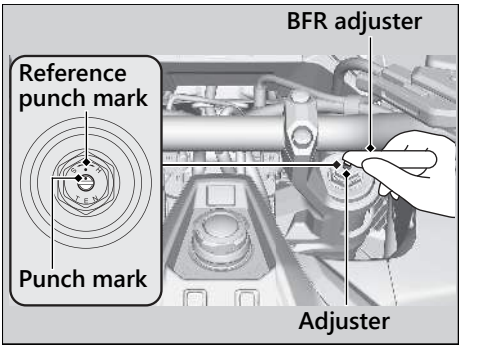
Do not turn the adjuster beyond its limits. Adjust both left and right forks to the same spring preload.

Rebound Damping

You can adjust the rebound damping by the adjuster to suit the load or the road surface. The rebound damping adjuster has 3 turns or more.

Turn the adjuster using the BFR adjuster provided in the tool kit. P. 152

Turn clockwise to increase rebound damping (hard), or turn counterclockwise to decrease rebound damping (soft). The standard position is 2 turns from the full hard position so that the punch mark on the adjuster aligns with the reference punch mark.



NOTICE

Do not turn the adjuster beyond its limits.

Adjusting the Rear Suspension

Spring Preload

You can adjust the spring preload by the adjuster to suit the load or the road surface. Turn the adjuster using the pin spanner and extension bar provided in the tool kit.

➔P. 152

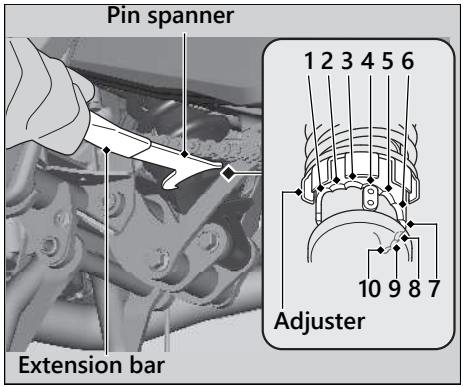
Position 1 to 3 decrease spring preload (soft), or turn the position 5 to 10 increase spring preload (hard). The standard position is 4.

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

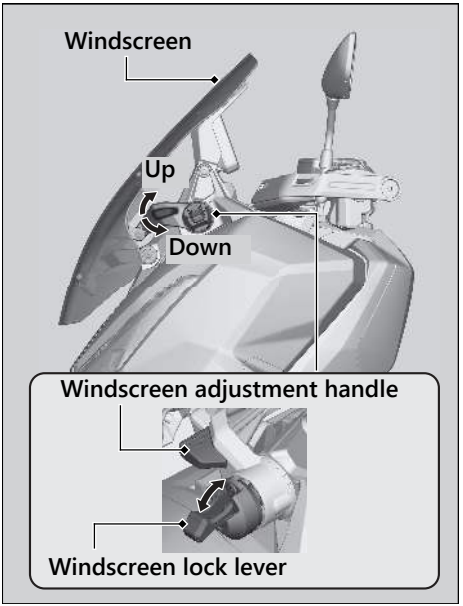
The rear shock absorber damper unit contains high pressure nitrogen gas. Do not attempt to disassemble, service, or improperly dispose of the damper. See your dealer.



Adjusting the Windscreen Height

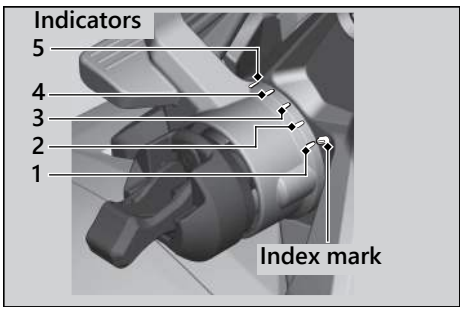
You can adjust the windscreen height 1 of 5 positions.
Windscreen height indicator shows the windscreen height. The standard position is 1.
▶ Do not adjust the windscreen while riding.

1. Pull the windscreen lock lever outward until it snaps into place.
2. Turn the windscreen adjustment handle to adjust the windscreen height.



3. Align the windscreen height indicator with the index mark at the desired position. Push the windscreen lock lever back to the original position.

▶ Make sure that the windscreen lock lever is pushed securely.



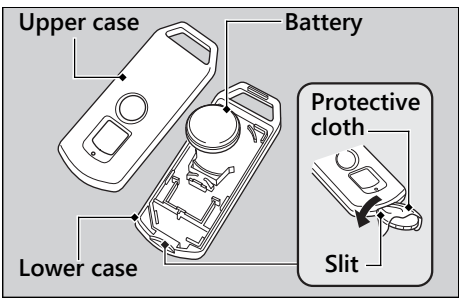
If the windscreen does not move smoothly, flush the sliding parts with water to remove dust.

If the windscreen does not move smoothly after flushing the sliding parts, have your vehicle inspected by 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



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

3. Snap the two halves of the remote transmitter back together.
▶ Make sure that upper and lower cases are set in the right position.

⚠WARNING

CHEMICAL BURN HAZARD
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

Engine Will Not Start ..... P. 182
Overheating (High coolant temperature/ warning indicators are on) ..... P. 183
Warning Indicators On or Flashing ..... P. 184
Low Oil Pressure Indicator ..... P. 184
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 185
ABS (Anti-lock Brake System) Indicator ..... P. 186
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Honda SMART Key Indicator ..... P. 188
If the "–" Indicator is Blinking in the Gear Position Window While Riding ..... P. 189
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Fuel Gauge Failure Indication ..... P. 190
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Tyre Puncture ..... P. 201
Smartphone Pairing Trouble ..... P. 202
Electrical Trouble ..... P. 204
Battery Goes Dead ..... P. 204
Burned-out Light Bulb ..... P. 204
Blown Fuse ..... P. 205

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. ➡P. 110
- Check that there is petrol in the fuel tank.
- Check if the PGM-FI malfunction indicator lamp (MIL) is on.
  ► If the indicator lamp is on, contact your dealer as soon as possible.

Starter Motor Does Not Operate

Check the following items:

- Check the correct engine starting sequence. ➡P. 110
- Check for a blown fuse. ➡P. 205
- Check for a loose battery connection (➡P. 153) or battery terminal corrosion (➡P. 142).
- Check the condition of the battery. ➡P. 204

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

Overheating (High coolant temperature/warning indicators are on)

The engine is overheating when the following occurs:

- High coolant temperature indicator and warning indicator come on.
  The high coolant temperature indicator is displayed in the warning information.
  ➡P. 75, ➡P. 79
- Acceleration becomes sluggish.

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

NOTICE

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

1. Stop the engine using the ignition switch, and then push the ignition ▌(On) switch to 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 start the engine. Transport your vehicle to your dealer.

   If the fan is operating:

   Allow the engine to cool with the electrical system turned off.
3. After the engine has cooled, inspect the radiator hose and check if there is a leak. ➡P. 162

   If there is a leak:

   Do not start the engine. Transport your vehicle to your dealer.
4. Check the coolant level in the reserve tank. ➡P. 162
   ▶ Add coolant as necessary.
5. If 1-4 check normal, you may continue riding, but closely monitor the high coolant temperature indicator.

Low Oil Pressure Indicator

If the low oil pressure indicator and the warning indicator come on, pull safely to the side of the road and stop the engine.
The low oil pressure indicator is displayed in the warning information. ➡P. 75, ➡P. 79

NOTICE
Continuing to ride with low oil pressure can cause serious damage to the engine.

1. Check the engine oil level, and add oil as necessary. ➡P. 160, ➡P. 161
2. Start the engine.
   ▶ Only continue riding if the low oil pressure indicator and the warning indicator go off.

Rapid acceleration may momentarily cause the low oil pressure indicator and the warning indicator to come on, especially if the oil is at or near the low level.

If the low oil pressure indicator and the warning indicator stay on when the oil level is at the proper level, stop the engine and contact your dealer.
If the engine oil level goes down rapidly, your vehicle may have a leak or another serious problem. Have your vehicle inspected by your dealer.

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

GS, II GS type

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

ED, II ED, III ED, IV ED type

Reasons for the indicator lamp to come on or blink

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

What to do when the indicator lamp comes on

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

NOTICE

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

What to do when the indicator lamp blinks

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

NOTICE

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

ABS (Anti-lock Brake System) Indicator

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

- Indicator comes on or starts flashing while riding.
- Indicator does not come on when the electrical system is turned on.
- 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.
- Indicator does not come on when the electrical system is turned on.
- Indicator does not go off at speeds above 5 km/h (3 mph).

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. The Torque Control indicator will go off after your speed reaches 5 km/h (3 mph).

Honda SMART Key Indicator

When the Honda SMART Key indicator flashes 5 times

Replacing the Honda SMART Key Battery ➡ P. 178

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 electrical system is off.

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. 195

If the "–" Indicator is Blinking in the Gear Position Window While Riding

If the "–" indicator is blinking while riding, you may have a serious problem with the Dual Clutch Transmission system.

Park your vehicle in a safe place and have your vehicle inspected by a dealer immediately.

It may be possible to ride your vehicle by following the steps below.

1. Turn the electrical system off.
2. Turn the electrical system on and start the engine.

If you cannot start the engine:

Turn the electrical system off and move the vehicle back and forth slightly (to disengage the gears).

Turn the electrical system on again and start the engine.

If you still cannot start the engine:

Start the engine while applying the front or rear brake lever.

If you can shift from N to D mode:

When a gear position is shown in the gear position indicator, you can ride in that gear.

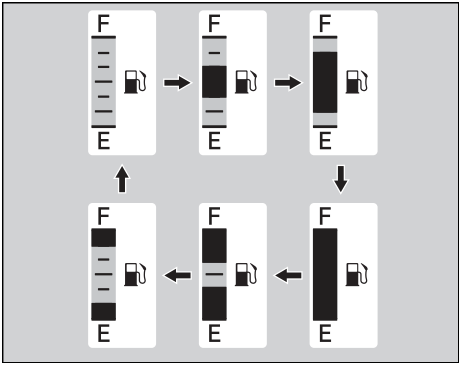
Take your vehicle to your dealer riding at a safe speed.

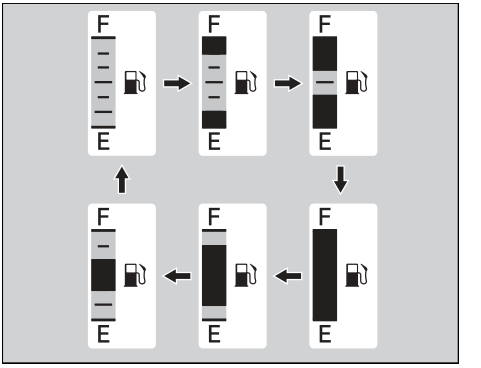
If you can't shift from N to D mode and the "–" indicator is blinking:

Damage is preventing you from riding. Have your vehicle inspected by your dealer immediately.

Fuel Gauge Failure Indication

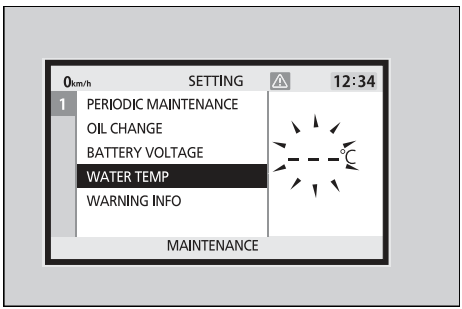
If the fuel system has an error, the fuel gauge indicators will be displayed as shown in the illustration.
If this occurs, see your dealer as soon as possible.





Coolant Temperature Failure Indication

If the cooling system has an error, coolant temperature "---" flashes.
If this occurs, see your dealer as soon as possible.



When the Honda SMART Key System Does Not Operate Properly

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

- Check that the Honda SMART Key system is activated.
  Lightly push the ON/OFF button on the Honda SMART Key.
  If the Honda SMART Key LED is red, activate the Honda SMART Key system.
  P. 90
  If the Honda SMART Key LED does not respond, replace the battery.
- Check that there is no communication failure in the Honda SMART Key system. The Honda SMART Key system uses low-intensity radio waves. The Honda SMART Key system may not work properly in the following conditions:
  - When there are facilities nearby that generate strong radio waves or noise such as TV towers, power stations, radio stations, or airports.
  - When you carry the Honda SMART Key with a laptop or wireless communication device such as a radio or mobile phone.
  - When the Honda SMART Key comes into contact with or is covered by metal objects.

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

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

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

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

Unlock the Seat in an Emergency

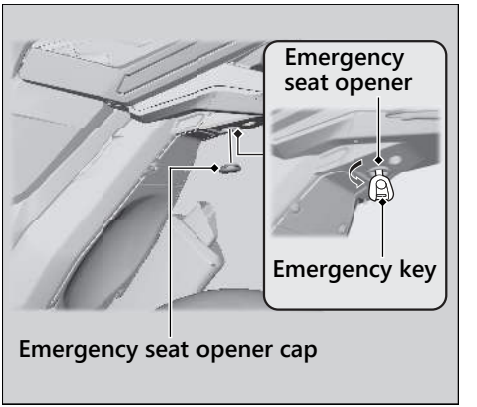
The seat lock can be unlocked by using the emergency key.

Open

1. Remove the emergency seat opener cap.
2. Insert the emergency key into the emergency seat opener, and turn the key counterclockwise.
3. Pull up the rear of the seat.

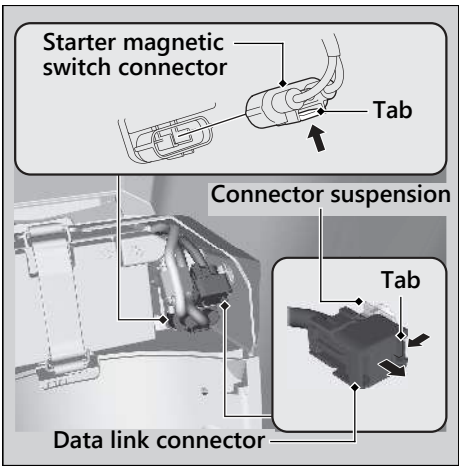
Close

1. Close the seat. P. 128
2. Install the parts in the reverse order of removal.



The electrical system can be activated by inputting the ID number.

Set up to ID number input mode

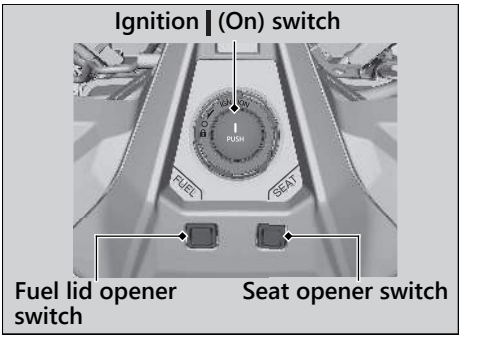


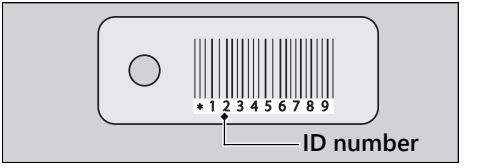
1. Use the emergency key to open the seat. P. 194
2. Remove the maintenance lid. P. 156
3. Push the tab to remove the data link connector from the connector suspension.
4. Push the tab to disconnect the starter magnetic switch connector from the starter magnetic switch.
5. Push the seat opener switch or fuel lid opener switch.
6. Reconnect the starter magnetic switch connector to the starter magnetic switch.

Continued

7. Push and hold the ignition ▌(On) switch for more than 4 seconds within 60 seconds after reconnecting the white dummy coupler.
▶ The steering lock indicator comes on, the buzzer sounds and the system enters the ID number input mode.

8. Check the ID number on the ID tag.





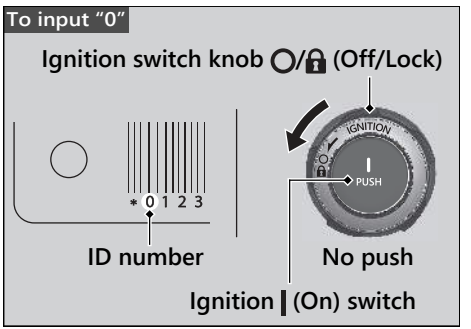
ID number input

You can input your ID number by pushing the ignition (On) switch and Turn the ignition switch knob (Off/Lock) counterclockwise. Input the ID number on the ID tag in order from the left in turn by pushing the ignition (On) switch.
The ID number is input according to the number of times the ignition (On) switch is pushed.
Push the ignition (On) switch the desired number of times, then turn the ignition 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.

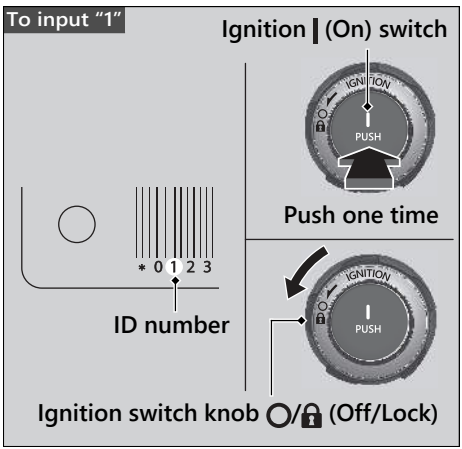
While inputting the ID number, if the button is not pressed for about 60 seconds, the inputted ID number is cancelled and the system returns to the state before disconnect the connector (the buzzer sounds and the steering lock indicator goes off).

Example:

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



- To input "1", push the ignition | (On) switch once, and then turn the ignition 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 ignition ▌(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 ignition ▌(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 engine.

Reinstall the parts in reverse order of removal, before riding.

You can turn off the engine and electrical system and also lock the steering using the ignition switch. The ignition 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.

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

Emergency Repair Using a Tyre Repair Kit

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

⚠WARNING

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

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

Smartphone Pairing Trouble

ED, II ED, III ED, IV ED type

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. 101
	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.

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 starting the engine, which is normal and not a malfunction. The smartphone will be reconnected after the engine is started.
	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.

Battery Goes Dead

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

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

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

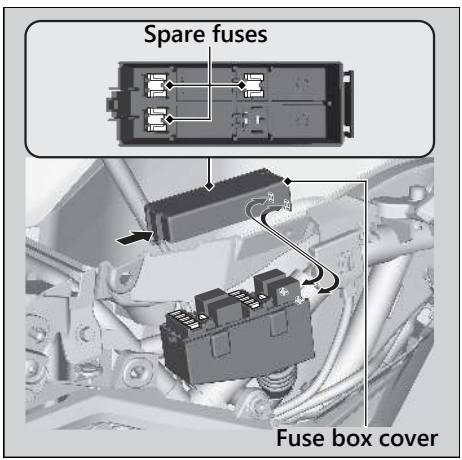
Burned-out Light Bulb

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

Blown Fuse

Before handling fuses, see "Inspecting and Replacing Fuses." P. 144

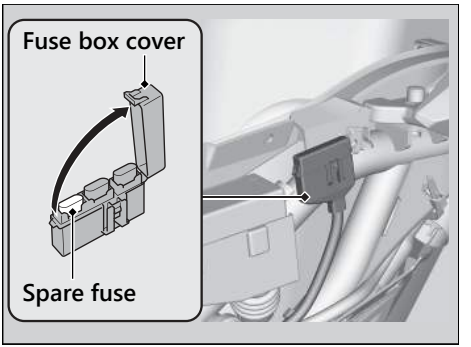
Fuse Box A Fuses



1. Remove the left side cover. P. 157
2. Remove the fuse box cover.
3. Pull the fuses out one by one with the fuse puller in the tool kit (P. 130) and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
   ▶ Spare fuses are provided on back side of the fuse box cover.
4. Reinstall the parts in the reverse order of removal.

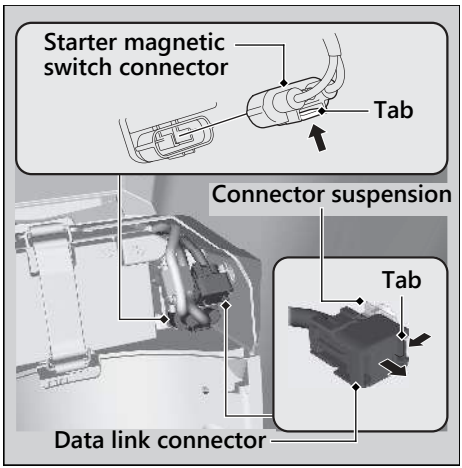
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Fuse Box B Fuses

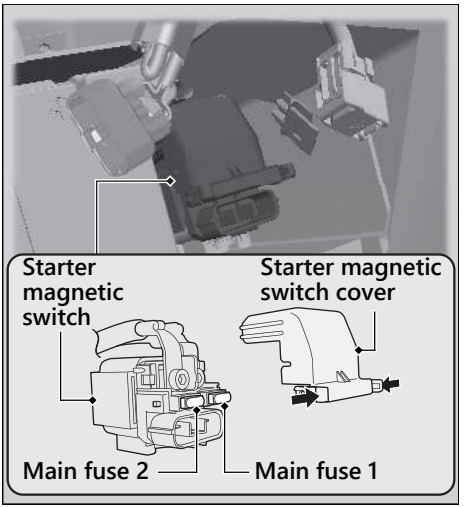


1. Remove the left side cover. P. 157
2. Open the fuse box cover.
3. Pull the fuses out one by one with the fuse puller in the tool kit (P. 130) and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
4. Reinstall the parts in the reverse order of removal.

Main Fuses



1. Remove the maintenance lid. P. 156
2. Push the tab to remove the data link connector from the connector suspension.
3. Push the tab to disconnect the starter magnetic switch connector from the starter magnetic switch.



4. Remove the starter magnetic switch cover.

5. Pull the main fuse 1 and main fuse 2 out one by one with the fuse puller in the tool kit (➡P. 130) and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.

▶ Spare main fuse is in the fuse box B. ➡P. 206

6. 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 dealer.

Information

Service Diagnostic Recorders.....P. 210
Keys.....P. 211
Instruments, Controls, & Other Features...P. 215
Caring for Your Vehicle.....P. 223
Storing Your Vehicle.....P. 227
Transporting Your Vehicle .....P. 228
You & the Environment .....P. 229
Serial Numbers .....P. 230
Fuels Containing Alcohol .....P. 231
Catalytic Converter .....P. 232

Service Diagnostic Recorders

ED, II ED, III ED, IV ED type

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.

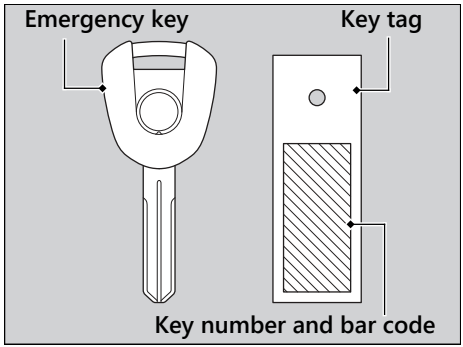
However this data may be accessed by Honda, its authorised dealers and authorised repairers, employees, representatives and contractors only for the purpose of the technical diagnosis, research and development of the vehicle.

Keys

Emergency Key

This vehicle has emergency keys and a key tag with a key number and a bar code. Store the key tag in a safe location.
To make a duplicate key, take the key and key tag to your dealer or a locksmith.
If you lose the emergency key and key tag, the emergency seat opener assembly will probably have to be removed by your dealer to determine the key number.

The emergency key is used for an emergency.
● To unlock the seat. P. 194
Do not store the emergency key in any compartment.



Honda SMART Key

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

- Releasing the seat lock
- Releasing the fuel lid lock
- 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 activate the electrical system by inputting the ID number.

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

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

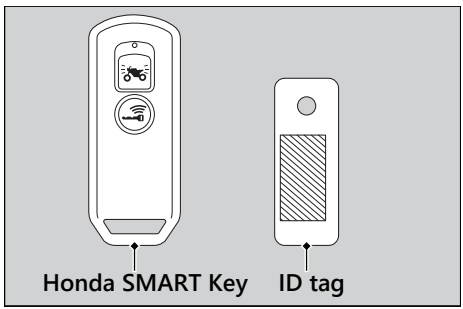
- Do not drop the Honda SMART Key or set heavy objects on them.
- Protect the Honda SMART Key from direct sunlight, high temperature, and high humidity.
- Do not scratch or puncture.
- Do not store near any magnetized products such as a magnetized key chain.
- Always keep the Honda SMART Key away from 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 dealer with your emergency key and ID tag for registration.

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

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

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



EU Directive

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

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.

Paraguay only

[Importador]
DIESA S.A.
Avenida Eusebio Ayala km4,5, Asunción

Morocco only

AGREE PAR L'ANRT MAROC

Numéro d'agrément : MR00001355ANRT2024
Date d'agrément : 04/04/2024

AGREE PAR L'ANRT MAROC

Numéro d'agrément : MR00001356ANRT2024
Date d'agrément : 04/04/2024

Instruments, Controls, & Other Features

Ignition Switch

Leaving the electrical system on with the engine stopped will drain the battery.

Do not operate the ignition switch while riding.

Engine Stop Switch

Do not use the engine stop switch except in an emergency. Doing so when riding will cause the engine to suddenly turn off, making riding unsafe.

If you stop the engine using the engine stop switch, turn the ignition switch knob O/🔒 (Off/Lock) counterclockwise to turn off the electrical system. Failing to do so will drain the battery.

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 located reverse side of the seat.

Ignition Cut-off System

A banking (lean angle) sensor automatically stops the engine and fuel pump if the vehicle falls over. To reset the sensor, you must turn the electrical system off and back to the on before the engine can be restarted.

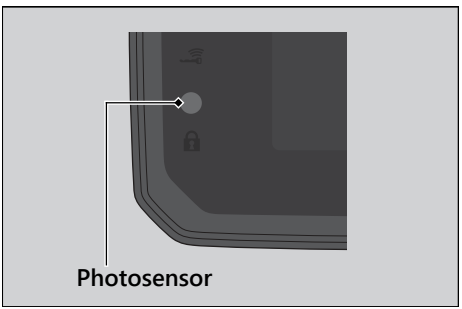
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Throttle by Wire System

This model is equipped with a Throttle by Wire 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

ED, II ED, III ED, IV ED type

EU Directive



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.

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.

Continued

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**

U.K. 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

Morocco only

AGREE PAR L'ANRT MAROC
Numéro d'agrément: MR00039411ANRT2023
Date d'agrément: 27/07/2023

Ukraine only

Кінцевий посібник користувача

Модель:
Діапазон частот: 2400 – 2483.5 МГц
Максимальна потужність вихідної потужності (Bluetooth): 1.66 дБм
Дана Visteon Corporation заявляє, що тип радіообладнання (позначення типу радіообладнання) відповідає Технічному регламенту радіообладнання;
Повний текст декларації про відповідність можна знайти на сайті за адресою:
https://www.visteondocs.com/.

Singapore only

Complies with
IMDA Standards
DA105282

Serbia only

И005 22

Paraguay only

CONATEL
2023-02-I-0101
CONATEL NR:2023-02-I-0101

Caring for Your Vehicle

Frequent cleaning and polishing is important to ensure the life of your Honda. A clean vehicle makes it easier to spot potential problems.
In particular, seawater and salts used to prevent ice on roads promote the formation of corrosion. Also, mud and dust may accelerate front suspension wear and cause oil leaks. Always wash your vehicle thoroughly after riding on coastal, treated, muddy or dusty roads.

Washing

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

1. Rinse your vehicle thoroughly using a low pressure garden hose to remove loose dirt.
2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
   ▶ Clean the windscreen, headlight lens, panels, and other plastic components with extra care to avoid scratching them. Avoid directing water into the air cleaner, muffler, and electrical parts.
3. Thoroughly rinse your vehicle with plenty of clean water and dry with a soft, clean cloth.
4. After the vehicle dries, lubricate any moving parts.
   ▶ Make sure that no lubricant spills onto the brakes or tyres. Brake discs, pads, drum or shoes contaminated with oil will suffer greatly reduced braking effectiveness and can lead to a crash.
5. Lubricate the drive chain immediately after washing and drying the vehicle.
6. Apply a coat of wax to prevent corrosion.
   ▶ Avoid products that contain harsh detergents or chemical solvents. These can damage the metal, paint, and plastic on your vehicle.

Continued

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.
  - ▶ Water in the air intake can be drawn into the throttle body and/or enter the air cleaner.
- Do not direct water at the muffler:
  - ▶ Water in the muffler can prevent starting and causes rust in the muffler.
- Dry the brakes:
  - ▶ Water adversely affects braking effectiveness. After washing, apply the brakes intermittently at low speed to help dry them.
- Do not direct water under the seat:
  - ▶ Water in the under seat compartment can damage your documents and other belongings.

- Do not direct water at the air cleaner:
  ▶ Water in the air cleaner can prevent the engine from starting.
- Do not direct water near the headlight:
  ▶ The headlight's inside lens may fog temporarily after washing or while riding in the rain. This does not impact the headlight function.
  However, if you see a large amount of water or ice accumulated inside the lens(es), have your vehicle inspected by your dealer.
- Do not use wax or polishing compounds on mat painted 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.

Windscreen

Using plenty of water, clean the windscreen with a soft cloth or sponge. (Avoid using detergents or any kind of chemical cleaner on the windscreen.) Dry with a soft, clean cloth.

NOTICE
To avoid possible scratching or other damage, use only water and a soft cloth or sponge to clean the windscreen.

For a dirtier windscreen, use a diluted neutral detergent with a sponge and plenty of water. Make sure to wash off all the detergent. (Detergent residue may cause windscreen cracks.)
Replace the windscreen if scratches cannot be removed and they obstruct clear vision.

Take care to keep battery electrolyte, brake fluid, or other chemical solvents off the windscreen and screen garnish. They will damage the plastic.

Exhaust Pipe and Muffler

The exhaust pipe and muffler are stainless steel but may become stained by mud or dust.

To remove mud or dust, use a wet sponge and a liquid kitchen abrasive, then rinse well with clean water. Dry with chamois or a soft towel.

If necessary, remove heat stains by using a commercially available fine texture compound. Then, rinse by the same manner as removing mud or dust.

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

NOTICE

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

Storing Your Vehicle

If you store your vehicle outdoors, you should consider using a full-body cover.

If you won't be riding for an extended period, follow these guidelines:

- Wash your vehicle and wax all painted surfaces (except mat painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. P. 147
- Place your vehicle on its centre stand and position a block so that both tyres are off the ground.
- After rain, remove the body cover and allow the vehicle to dry.
- Remove the battery (P. 153) to prevent discharge. Fully charge the battery and then place it in a shaded, well-ventilated area.
  - ▶ If you leave the battery in place, disconnect the negative ⊖ terminal to prevent discharge.

Continued

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

Transporting Your Vehicle

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

NOTICE

Towing your vehicle with a wheel or wheels on the ground can cause serious damage to the transmission.

You & the Environment

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

Choose Sensible Cleaners

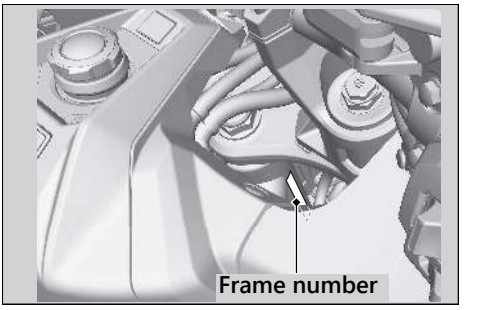
Use a biodegradable detergent when you wash your vehicle. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer.

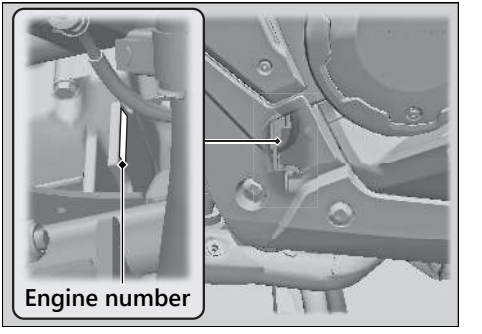
Recycle Wastes

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

Serial Numbers

The frame and engine serial numbers uniquely identify your vehicle and are required in order to register your vehicle. They may also be required when ordering replacement parts.
The engine number is stamped on the right rear side of the crankcase.
You should record these numbers and keep them in a safe place.





Fuels Containing Alcohol

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

The following fuel blends can be used in your vehicle:

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

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

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

NOTICE

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

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

Catalytic Converter

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

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

Follow these guidelines to protect your vehicle's catalytic converter:

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

■ Main Components

Overall length	2,215 mm (87.2 in)	
Overall width	940 mm (37.0 in)	
Overall height	Windscreen position	
	Low	1,370 mm (53.9 in)
	High	1,505 mm (59.3 in)
Wheelbase	1,590 mm (62.6 in)	
Minimum ground clearance	165 mm (6.5 in)	
Caster angle	27° 00′	
Trail	104 mm (4.1 in)	
Curb weight	237 kg (522 lb)	
Maximum weight capacity *1	204 kg (450 lb)	
Maximum luggage weight	ED, II ED, III ED, IV ED type 21 kg (46 lb)	
Maximum weight on luggage box	5.0 kg (11.0 lb)	
Maximum weight on fairing pocket	0.5 kg (1.0 lb)	
Passenger capacity	Rider and 1 passenger	
Minimum turning radius	2.80 m (9.19 ft)	
Displacement	745 cm^3 (45.4 cu-in)	
Bore x stroke	77.0 x 80.0 mm (3.03 x 3.15 in)	
Compression ratio	10.7 : 1	

Fuel	Unleaded petrol Recommended: 91 RON or higher	
Fuel containing alcohol	ETHANOL up to 10 % by volume	
Tank capacity	13.2 L (3.49 US gal, 2.90 Imp gal)	
Battery	YTZ12S 12 V-11.0 Ah (10 HR)/11.6 Ah (20HR)	
Gear radio	1st	2.666
	2nd	1.904
	3rd	1.454
	4th	1.178
	5th	0.967
	6th	0.815
Reduction ratio (primary / final)	1.921 / 2.235	

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

Service Data

Tyre size	Front	120/70R17M/C 58H
	Rear	160/60R15M/C 67H
Tyre type		Radial, tubeless
Recommended Tyre	Front	BRIDGESTONE BATTLAX ADVENTURECROSS TOURER AX41TF F
	Rear	BRIDGESTONE BATTLAX ADVENTURECROSS TOURER AX41TR F
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/cm², 36 psi)
	Rear	280 kPa (2.80 kgf/cm², 41 psi)
Minimum tread depth	Front	1.5 mm (0.06 in)
	Rear	2.0 mm (0.08 in)
Spark plug	(standard)	IFR6G-11K (NGK)
Spark plug gap	(non-adjustable)	1.00 - 1.10 mm (0.039 - 0.043 in)
Idle speed		1,200 ± 100 rpm

*1 : EU regulation

Recommended engine oil	Honda 4-stroke motorcycle oil API Service Classification SJ or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard MA	
Engine oil capacity	After draining	3.1 L (3.3 US qt, 2.7 Imp qt)
	After draining & engine oil filter change	3.4 L (3.6 US qt, 3.0 Imp qt)
	After draining, engine & clutch oil filter change	3.4 L (3.6 US qt, 3.0 Imp qt)
	After disassembly	4.0 L (4.2 US qt, 3.5 Imp qt)
Recommended brake fluid	Honda DOT 4 Brake Fluid	
Cooling system capacity	1.44 L (1.52 US qt, 1.27 Imp qt)	
Recommended coolant	Except Hong Kong, Singapore	Pro Honda HP Coolant
	Hong Kong, Singapore	HONDA PRE-MIX COOLANT

Recommended drive chain lubricant	Drive chain lubricant designed specifically for O-ring chains If not available, use SAE 80 or 90 gear oil.	
Drive chain slack	45 - 50 mm (1.8 - 2.0 in)	
Standard drive chain	DID520V0	
Standard sprocket size	No. of links	118
	Drive sprocket	17T
	Driven sprocket	38T

Bulbs

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

Fuses

Main fuse	30 A
Other fuse	30 A, 15 A, 10 A

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

HONDA

32MKT700
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