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 country.
- The illustrations here in are based on the ADV750 ED type.

Country Codes

Code	Country
ADV750	
ED	European direct sales, Turkey, Hong Kong, Macao
III ED	European direct sales

*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. 121

Troubleshooting P. 165

Information P. 192

Specifications P. 210

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. 12
Riding Precautions.....P. 13
Accessories & Modifications.....P. 18
Loading.....P. 19

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Safety Guidelines

Follow these guidelines to enhance your safety:

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

Always Wear a Helmet

It's a proven fact: helmets and protective apparel significantly reduce the number and severity of head and other injuries. So always wear an approved helmet and protective apparel. P. 12

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.

Continued

Make Yourself Easy to See

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

Ride within Your Limits

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

Don't Drink 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. 19), and do not modify your vehicle or install accessories that would make your vehicle unsafe (P. 18).

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.

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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 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.



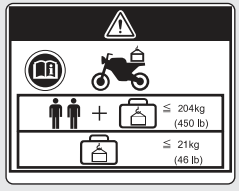
BATTERY LABEL
DANGER

- 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
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.

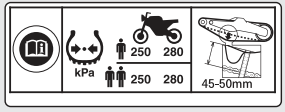


ACCESSORY STEP LABEL (When equipped with rider steps)
WARNING
Accessory rider steps are which assist a rider, that are not the equipment that allow to ride for the three persons.
Improper passenger capacity can adversely affect handling and stability, and can cause a crash in which you can be seriously hurt or killed.
Always observe passenger capacity.

Continued



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

Protective Apparel

Make sure that you and any passenger are wearing an approved 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)

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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.

Continued

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.

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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. 79) and leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary. ➡P. 82
  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. 93
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.

Continued

5. Lock the steering. P. 79
Then, leave your vehicle while taking the Honda SMART Key with you. Deactivate the Honda SMART Key system if necessary. P. 82

Refuelling and Fuel Guidelines

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

- Use only unleaded petrol.
- Use recommended octane number. Using lower octane petrol will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. P. 208
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

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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 levels settings. 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.

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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.

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Loading

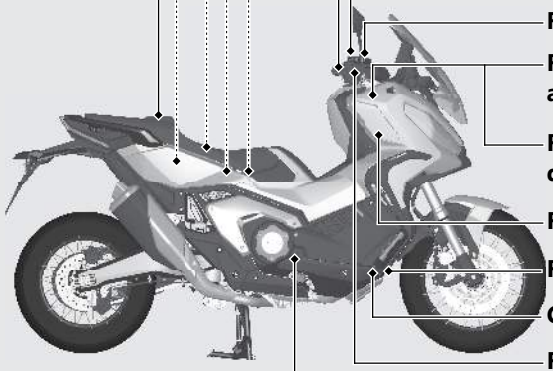
- Carrying extra weight affects your vehicle's handling, braking and stability.
  Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
  Maximum weight capacity / Maximum luggage weight P. 210
- Tie all luggage securely, 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



USB socket P.115

Seat P.116

Document bag P.118

Luggage box P.116

Tool kit P.118

Throttle grip P.156

Parking brake P.93

Front brake fluid reservoir P.150

Front suspension spring preload adjuster P.158

Front suspension rebound damping adjuster P.159

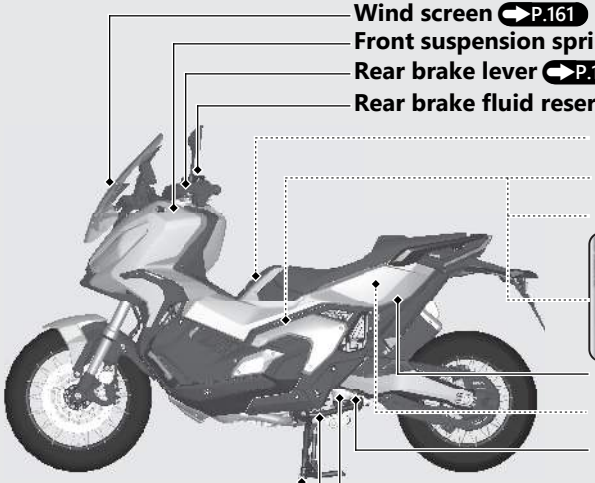
Fairing pocket P.120

Front lower cover P.141

Coolant reserve tank P.148

Front brake lever P.157

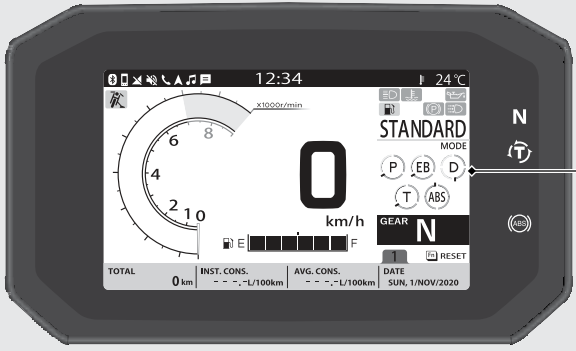
Engine oil fill cap/dipstick P.146



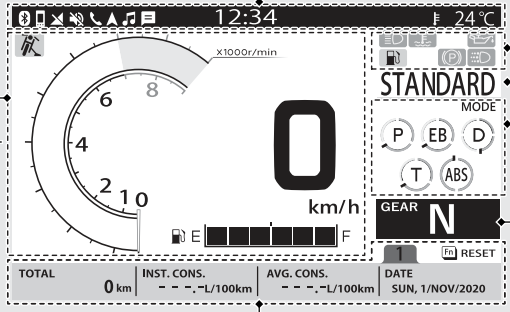
Wind screen P.161
Front suspension spring preload adjuster P.158
Rear brake lever P.157
Rear brake fluid reservoir P.150
Fuel fill cap P.113
Battery P.139
Main fuses P.190
Data link connector
Left side cover P.143
Fuse box A/B P.188
Drive chain P.154
Rear suspension spring preload adjuster P.160
Side stand P.153
Centre stand P.15

Instruments

You can change the speed and mileage, and fuel mileage meter units. P.45 P.60



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



Speedometer/Tachometer/Fuel gauge/Side stand indicator area P.25

Status bar P.27

Indicator area P.29

RIDING MODE P.94

RIDING MODE PARAMETER P.94 **/ Honda Smartphone Voice Control system area** P.90

INFO area P.30 **/ Pop-up information** P.69 **/ Multi function display** P.112

Gear position indicator P.28

Continued

Instruments *(Continued)*

Basic Operations

You can operate and set the various functions of the display using the switches on the left handlebar.



When switching or setting the display, refer to the switch operation guide is displayed.

Type of the switch operation guide:

▲ or ^	: Press ▲ on the sel switch
▼ or v	: Press ▼ on the sel switch
<	: Push the sel switch in the direction of ◄
>	: Push the sel switch in the direction of ►
▲ or ^^	: Press and hold ▲ on the sel switch
▼ or vv	: Press and hold ▼ on the sel switch
<<	: Push and hold the sel switch in the direction of ◄
>>	: Push and hold the sel switch in the direction of ►

Speedometer/Tachometer/Fuel gauge/Side stand indicator area

Display type: LOOP

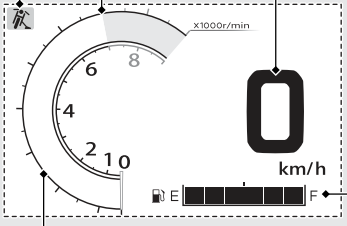
Side stand indicator

Comes on when the side stand is down.

Tachometer red zone

(excessive engine rpm range)

Speedometer



Tachometer

Fuel gauge

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



At the same time, the reserve fuel indicator is comes on.

▶ **If the fuel gauge indicator flashes in a repeat pattern or turns off: P.174**

NOTICE

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

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.

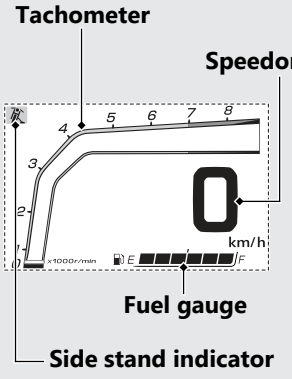
Continued

Instruments *(Continued)*

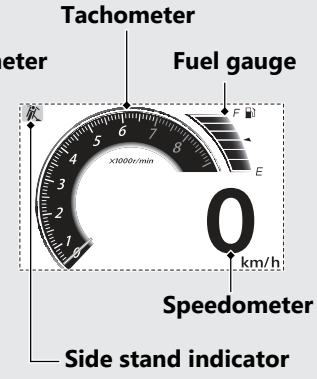
Speedometer/Tachometer/Fuel gauge/Side stand indicator area has four display types.
The display and arrangement of speedometer, tachometer, fuel gauge and side stand indicator change depending on each display type.

To change the display type: P.45 P.54

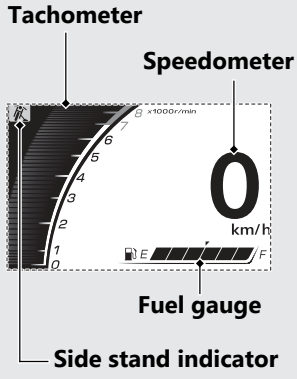
Display type: DESIGN



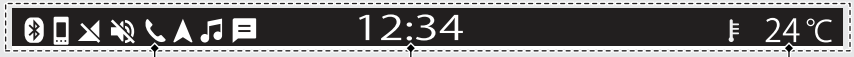
Display type: ANALOG



Display type: DIGITAL



Status bar



Status icon
Displays the status of the Honda Smartphone Voice Control system.
P.90

Clock (12-hour or 24-hour display)
To set the clock: P.45 P.59

Air temperature gauge
Displays the ambient temperature.
Display range: -12 ºC to 49 ºC

- Below -12ºC: "---" is displayed
- Above 49ºC: 49ºC 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.

Instruments *(Continued)*

Gear position indicator

The gear position is shown in the gear position indicator.

The indicator may flash if:

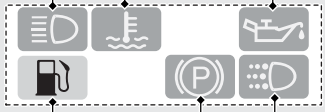
► The front wheel leaves the ground.

► 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.

If the "-" indicator is blinking in the gear position window while riding: P.173

Indicator area



High beam indicator

High coolant temperature indicator
If it comes on while riding: P.167

Low oil pressure indicator
Comes on when the electrical system is turned on.
Goes off when the engine starts.
If it comes on while engine is running: P.168

DRL indicator P.111

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

Low fuel indicator
Comes on when there is only reserve fuel left in the fuel tank. P.25

Continued

Instruments *(Continued)*

INFO area

The INFO area displays various vehicle information.

The INFO area has four pages and displays four pieces of information on each page.

Current page number

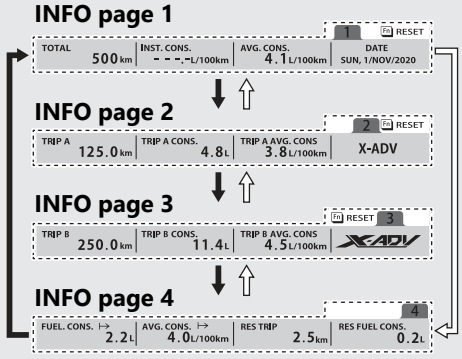


The information item displayed in the INFO area can be changed arbitrarily.

To change the information: P.45 P.57

To switch page of the INFO area

To change page of the INFO area, push the sel switch in the direction of ◀ or ▶.



→ Push the sel switch in the direction of ▶

⇨ Push the sel switch in the direction of ◀

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

- TOTAL P.32
- TRIP A P.32
- TRIP A CONS. P.33
- TRIP A AVG. CONS. P.33
- TRIP B P.34
- TRIP B CONS. P.34
- TRIP B AVG. CONS. P.35
- INST. CONS. P.35
- AVG. CONS. P.36
- AVG. SPEED P.36
- ELAPSED P.37
- REV P.37
- GRIP ANGLE P.37
- VOLTAGE P.38
- DATE P.38
- User letter P.38
- Logo P.38
- SHIFT POINT P.39
- FUEL CONS. ⟶ P.39
- AVG. CONS. ⟶ P.40
- AVG. SPEED ⟶ P.40
- ELAPSED ⟶ P.41
- WATER TEMP. P.42
- RES TRIP P.42
- RES FUEL CONS. P.43
- Blank P.43

Continued

Instruments *(Continued)*

Odometer [TOTAL]

Total distance ridden.



When "------" is displayed, 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.44

Tripmeter A fuel consumption [TRIP A CONS.]

Displays the tripmeter A fuel consumption since the tripmeter A was reset.
Display range: 0.0 to 299.9 L (GAL)



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.44

Tripmeter A average fuel mileage [TRIP A AVG. CONS.]

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)

- When the average fuel mileage is reset: "---.-" is displayed.



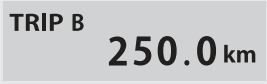
When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.
Tripmeter A average fuel mileage is reset when you reset tripmeter A.
To reset the tripmeter A: P.44

Continued

Instruments *(Continued)*

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.44

Tripmeter B fuel consumption [TRIP B CONS.]

Displays the tripmeter B fuel consumption since the tripmeter B was reset.
Display range: 0.0 to 299.9 L (GAL)



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.44

Tripmeter B average fuel mileage [TRIP B AVG. CONS.]

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)

- 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.44

Current fuel mileage [INST. CONS.]

Displays the current instant fuel mileage.
Display range: 0.0 to 299.9 L/100 km (km/L, mile/GAL or mile/L)

- When your speed is less than 7 km/h (5 mph): "---.-" is displayed.



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

Continued

Instruments *(Continued)*

Average fuel mileage [AVG. CONS.]

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

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

- When the average fuel mileage is reset: "---.-" is displayed.



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

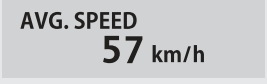
To reset the average fuel mileage P.44

Average speed [AVG. SPEED]

Displays the average speed since the average speed was reset.

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

- 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.

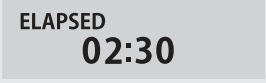
To reset the average speed P.44

Elapsed time [ELAPSED]

Displays the engine operating time since the elapsed time was reset.

Display range: 00:00 to 99:59 (hours:minutes)

- Above 99:59: back to 00:00



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

To reset the elapsed time P.44

Numerical tachometer display [REV]

Displays the engine revolutions per minutes.

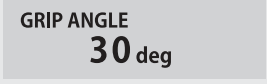
Display range: 0 to 99,990 r/min



Throttle grip angle [GRIP ANGLE]

Displays the throttle grip angle during operation.

Display range: 0 to 90 deg



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

Continued

Instruments *(Continued)*

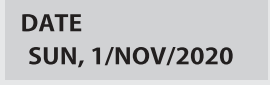
Battery voltage [VOLTAGE]

Displays the current voltage.



Date [DATE]

Displays the date of today.



To set the date: P.45 P.59

User letter

Displays the characters of user's choice.



To set the USER LETTER: P.45 P.58

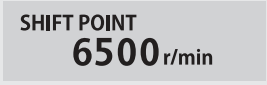
Logo

Displays the X-ADV logo.



SHIFT POINT set value [SHIFT POINT]

Displays the SHIFT POINT set value.
Display range: 4,000 - 7,000 r/min



To set the SHIFT POINT: P.45 P.51

Fuel consumption in this time [FUEL CONS. ⟼]

Displays the fuel consumption since the electrical system was turned on.
Display range: 0.0 to 50.0 L (GAL)

- Initial display: "--.-" is displayed.

When the electrical system is turned off, the fuel consumption is reset.



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

Instruments *(Continued)*

Average fuel mileage in this time [AVG. CONS. ⟼]

Displays the average fuel mileage since the electrical system was turned on.
Display range: 0.0 to 299.9 L/100km (km/L, mile/GAL or mile/L).

- Initial display: "---.-" is displayed.

When the electrical system is turned off, the average fuel mileage is reset.



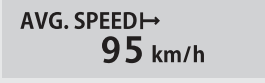
When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.

Average speed in this time [AVG. SPEED ⟼]

Displays the average speed since the electrical system was turned on.
Display range: 0 to 299 km/h (0 to 186 mph)

- 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 the electrical system is turned off, the average speed is reset.



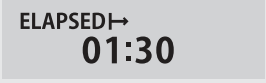
When "---" is displayed except for the above-mentioned cases, go to your dealer for service.

Elapsed time in this time [ELAPSED ⊢→]

Displays the engine operating time since the electrical system was turned on.
Display range: 00:00 to 99:59 (hours:minutes)

- Above 99:59: back to 00:00.
- Initial display: "--:--" is displayed.

When the electrical system is turned off, the elapsed time is reset.



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

Instruments *(Continued)*

Coolant temperature meter [WATER TEMP.]

Displays the 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 lights.
  - Coolant temperature digits flash.
- Above 132 °C:
  - High coolant temperature indicator lights.
  - "132 °C" flashes.

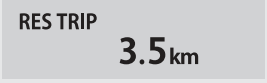


When "---" is displayed except for the above-mentioned cases, go to your dealer for service.

Reserve tripmeter [RES TRIP]

Distance ridden since the reserve fuel indicator lights.
Display range: 0.0 to 9999.9 km (mile)

- Above 9999.9: back to 0.0.
- When the reserve fuel indicator is off: "----.-" is displayed.



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

Reserve fuel consumption [RES FUEL CONS.]

Displays the fuel consumption since the reserve fuel indicator lights.
Display range: 0.0 to 299.9 L (GAL)

- When the reserve fuel indicator is off: "---.-" is displayed.



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

Blank display

Display the blank.

Instruments *(Continued)*

To Reset the Information

Select the page in the INFO area that containing the item you want to reset with ◀ or ▶ of the sel switch. ➡P.30

Press and hold the Fn function switch until the background colour of the information item changes.

- If there is no resettable information item on the page, there is no response to the switch operation.
- If there are multiple resettable information items on the same page, use ◀ or ▶ of the sel switch to select the item.

Press and hold ▲ on the sel switch until the information item is reset.

To exit the reset mode, press and hold the Fn function switch.

Also, the tripmeter A, tripmeter A fuel consumption and tripmeter A average fuel mileage are automatically reset when only the reserve fuel remains in the fuel tank (the reserve fuel indicator is on) and the reserve fuel indicator goes off after refuelling. You can activate or deactivate the automatic reset mode. ➡P.45 ➡P.52

Setting mode

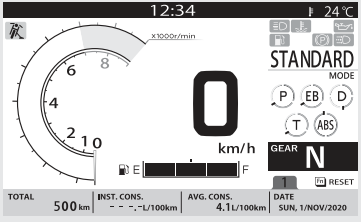
To shift to the setting mode

Push and hold the sel switch in the direction of ▶.

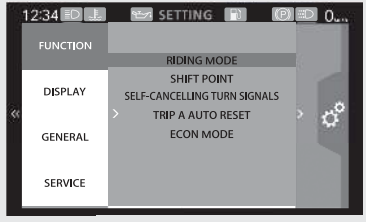
To select the desired setting menu, operate the ▲ ▼ ◀ ▶ sel switch on the left handlebar.

► When switching to setting mode, the clock, indicators and speed are displayed at the top of the screen.

Ordinary display



Setting mode

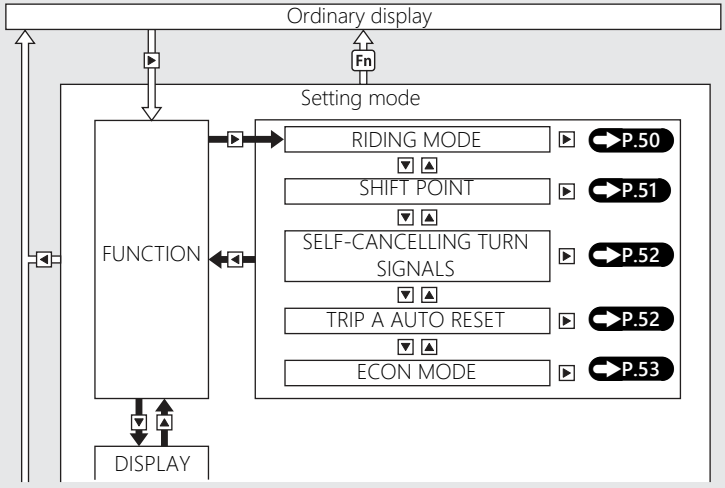


To return to the ordinary display

- Press and hold the Fn function switch.
- Push and hold the sel switch in the direction of ◀, return to the upper hierarchy.
- The button is not pressed for about 30 seconds.
- Turn the electrical system is off and on again.

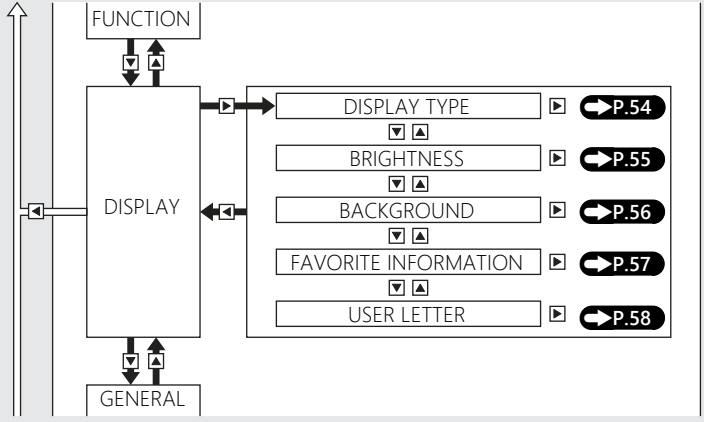
Instruments *(Continued)*

Setting flow



Push/Press

Push and hold/Press and hold

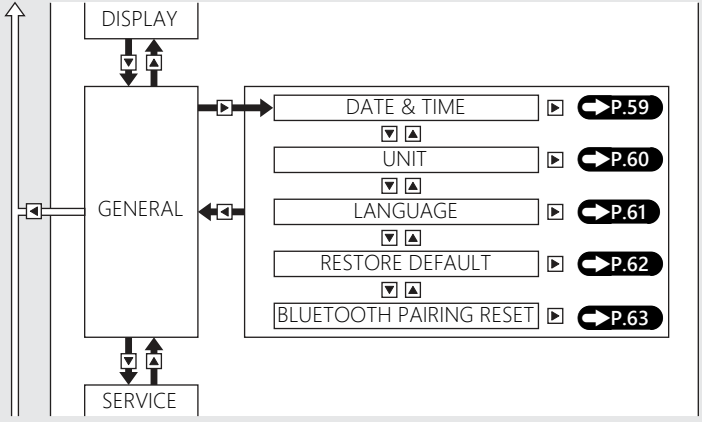


Push/Press

Push and hold/Press and hold

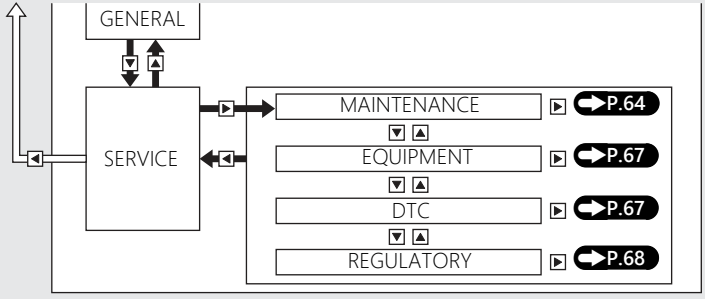
Continued

Instruments *(Continued)*



Push/Press

Push and hold/Press and hold



Push/Press

Push and hold/Press and hold

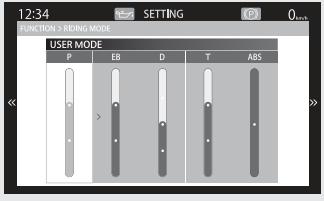
Continued

Instruments *(Continued)*

RIDING MODE P.94

You can change the setting value of the USER MODE.

1. Select the parameter ("P", "EB" "D", "T" or "ABS") using ◀ or ▶ of the sel switch.
2. Select the desired setting value using ▲ or ▼ of the sel switch.
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.



To return to the initialize settings:

1. Push and hold the sel switch in the direction of ▶.
2. Reset the setting according to the switch operation guide. P.24



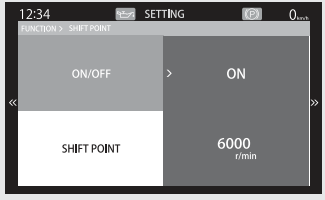
SHIFT POINT

ON/OFF : You can activate or deactivate the shift up mode.

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

Shift up mode: P.71

1. Select the "ON/OFF" or "SHIFT POINT" using ▲ or ▼ of the sel switch.
2. Select to the desired setting according to the switch operation guide. P.24
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.

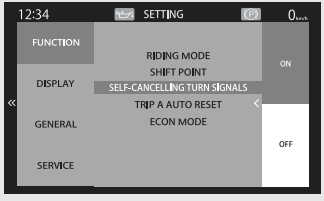


Instruments *(Continued)*

SELF-CANCELLING TURN SIGNALS

You can enable or disable turn signal automatic cancellation. P.76

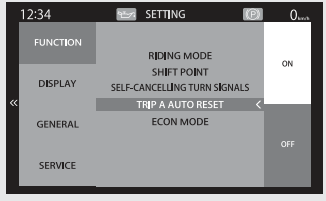
1. Select the "ON" or "OFF" using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.



TRIP A AUTO RESET

You can enable or disable the tripmeter A automatic reset mode. P.44

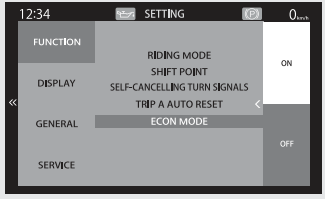
1. Select the "ON" or "OFF" using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.



ECON MODE

You can enable or disable the ECON mode.
P.71

1. Select the "ON" or "OFF" using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.



Instruments *(Continued)*

DISPLAY TYPE

You can change the display type of speedometer / tachometer / fuel gauge / side stand indicator area. P.25



1. Select the display type ("LOOP", "DESIGN" "ANALOG" or "DIGITAL") using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.

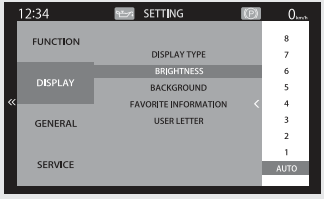
BRIGHTNESS

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

Automatic brightness control: P.199

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 backlight brightness using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.

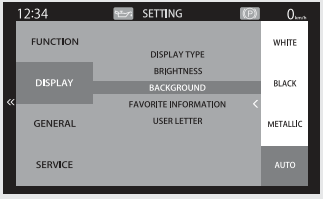


Instruments *(Continued)*

BACKGROUND

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

Automatic Background Control:
P.199

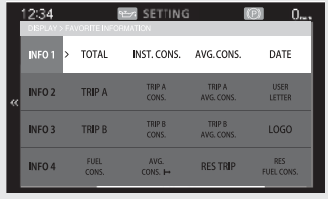


1. Select the background colour using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.

FAVORITE INFORMATION

You can change the information items displayed in the INFO area. P.30

1. Select the page of the INFO area ("INFO1", "INFO2", "INFO3" or "INFO4" using ▲ or ▼ of the sel switch.
2. Select to the desired setting according to the switch operation guide. P.24
   - ► If you select the item that is already selected in another area, the previously selected item will automatically turn the "BLANK".
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, push and hold the sel switch in the direction of ◄ to return to the upper hierarchy.
   - ► The set value is retained.



Instruments *(Continued)*

USER LETTER

You can edit the USER LETTER with up to 10 characters.



1. Edit the USER LETTER.
   - ▶ To select the character using the ▲ ▼ ◀ ▶ sel switch.
   - ▶ To set the character using the Fn function switch.
2. Select the "OK", and then press the Fn function switch.

DATE & TIME

1. Select the "24h or 12h", "YEAR", "MONTH - DAY", "HOUR - MINUTE" or "am / pm" using ▲ or ▼ of the sel switch.
2. Select the desired setting according to the switch operation guide. P.24
   - ► When "24 / 12" is set to 24-hour indication, "am / pm" cannot be usable.
3. Return to the ordinary display to complete the setting. P.45
   To continue setting, push and hold the sel switch in the direction of ◄ to return to the upper hierarchy.
   - ► The set value is retained.

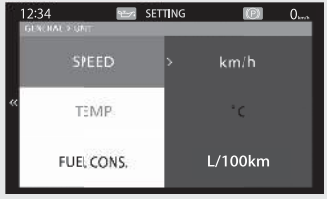


Instruments *(Continued)*

UNIT

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

1. Select the "SPEED" or "FUEL CONS." using ▲ or ▼ of the sel switch.
   ► "TEMP" is displayed but not usable.
2. Select the desired setting according to the switch operation guide. ➡P.24
3. Return to the ordinary display to complete the setting. ➡P.45
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   ► The set value is retained.

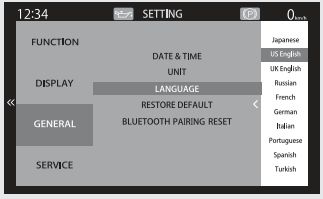


If you want to select "L/100km" or "km/L" for fuel consumption, "km/h" must be selected in the "SPEED" menu in advance.
When "mph" for speed is selected, "mile/gal" or "mile/L" can be selected.

LANGUAGE

Changes the system language.

1. Select the language using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.45
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.



Instruments *(Continued)*

RESTORE DEFAULT

The set values can be returned to the default settings.

Reset the settings according to the switch operation guide. P.24



The following items are restored to their default values:

- DISPLAY TYPE
- SHIFT POINT
- ECON MODE
- BRIGHTNESS
- BACKGROUND
- USER LETTER
- FAVORITE INFORMATION
  ▶ The page of the currently selected INFO area is also initialized.
- DATE & TIME
  ▶ 12/24 settings are not initialized.
- UNIT
- RIDING MODE
  ▶ The riding mode currently selected is also initialized.
- SELF-CANCELLING TURN SIGNALS
- LANGUAGE
- TRIP A AUTO RESET

BLUETOOTH PAIRING RESET

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

To connect the device P.92

Reset the settings according to the switch operation guide. P.24



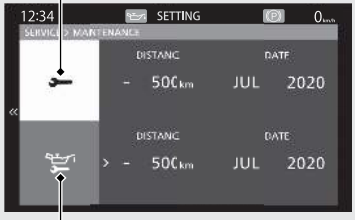
► If the pairing information remains in your smartphone even if the pairing information is deleted from the vehicle, the smartphone may be connected to the vehicle again.

Instruments *(Continued)*

MAINTENANCE

You can check the next periodic inspection time and next engine oil change.
You can change the setting of the next periodic inspection and next engine oil change.

Next periodic inspection



Next engine oil change

Display range:

DISTANCE:

-----, 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.

DATE:

Month: ---, JAN to DEC

Year: ----,2020 to 2119

When reaching any of the following, the pop-up information is appears in the ordinary display. P.69

- "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.



Maintenance pop-up information

Instruments *(Continued)*

Next inspection setting

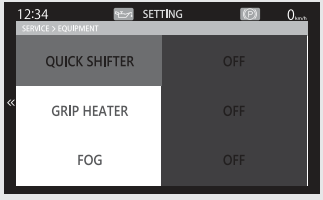
1. Select "🔧" (periodic inspection) or "🛢" (engine oil change) using ▲ or ▼ of the sel switch.



2. Select the desired setting according to the switch operation guide.
   - ▶ If you press and hold ▲ or ▼ of the sel switch while setting the "DISTANCE", it will move every 1000.
   - ▶ Available setting range of the DISTANCE: -----, 100 to 12,000 km (100 to 8,000 mile)
3. Return to the ordinary display to complete the setting. ➥P.45
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.

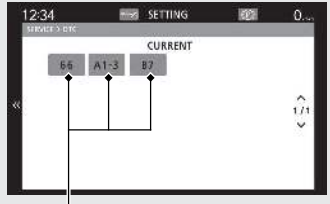
EQUIPMENT

"EQUIPMENT" is displayed but not selectable.



DTC

Displays a current problem with the vehicle. If your vehicle has problem, DTC index is displayed.
Reduce speed and have your vehicle inspected by your dealer as soon as possible.

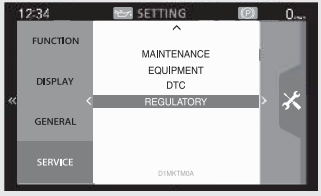


DTC indexes

Instruments *(Continued)*

REGULATORY

Displays the radio wave authentication screen.



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.

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.

Instruments *(Continued)*

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.175
	Appears when the battery of Honda SMART Key is weak.	Refer to "Replacing the Honda SMART Key Battery." P.163

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

Tachometer colour function

ECON Mode

When the ECON mode is ON, the tachometer colour changes according to the fuel mileage.

To set the ECON mode P.45 P.53

When the fuel consumption is improved, the tachometer colour will change to green.

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

Shift Up Mode

When shift up mode is ON, the tachometer colour changes according to the shift point setting.

To set the shift up mode P.45 P.51

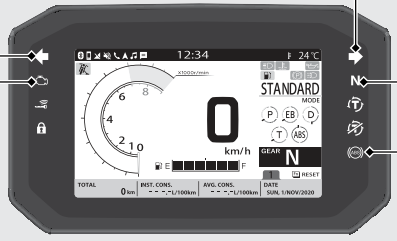
The tachometer blinks yellow when the engine revolutions exceeds the set value of SHIFT POINT.

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

Left turn signal indicator

Right turn signal indicator



Neutral indicator
Comes on when the transmission is in Neutral.

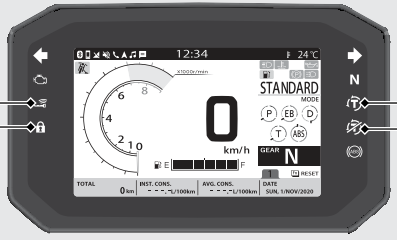
PGM-FI (Programmed Fuel Injection) malfunction indicator lamp (MIL)
Comes on briefly when the electrical system is turned on.
If it comes on while engine is running: P.169

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.170

Honda SMART Key indicator

Comes on briefly when the electrical system is turned on.

When the Honda SMART Key Indicator Flashes: P.172



Steering lock indicator

Comes on briefly while the steering lock is activating.

Steering lock: P.79

Torque Control indicator

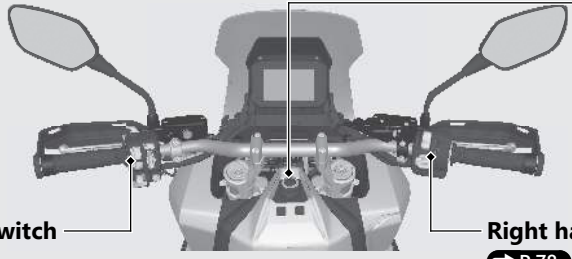
- Comes on when the electrical system is turned on. Goes off when your speed reaches approximately 5 km/h (3 mph) to indicate Torque Control is ready to work.
- Blinks when Torque Control is operating.

If it comes on while riding: P.171

Torque Control OFF Indicator

- Comes on when the Torque Control is turned Off.

Switches



Left handlebar switch
P.76

Right handlebar switch
P.78



Answer back button
This button is used to operate the answer back system.
Answer Back System: P.87

ON/OFF button
This button is used to activate or deactivate the Honda SMART Key system, and also to confirm the activation status. P.81

Ignition Switch

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

► Make sure that the Honda SMART Key is activated P.82 and enter the operating range. P.83

Ignition switch knob ○/🔒 (Off/Lock)



Ignition | (On) switch

🔒 (Lock) Locks steering. P.79



○ (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.

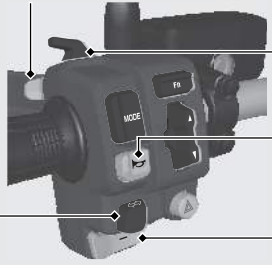
 ➡ Turn and hold the ignition switch knob ○/🔒 (Off/Lock) counterclockwise.

Continued

Switches *(Continued)*

Left handlebar switches

Shift up switch (+)
To shift up the gear. P.108



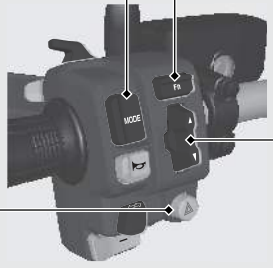
Headlight dimmer/Passing light control switch
- : High beam
- : DRL auto or off (low beam) P.111
- PASS : Flashes the high beam headlight.

Horn button

Shift down switch (-)
To shift down the gear. P.108

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.52



MODE switch
Used to change the riding mode. P.94

Fn Function switch
Used to operate and set the display. P.24
Also used to set the DRL. P.111

▲ ▼ ◀ ▶ Sel switch
Used to operate and set the display. P.24
Also used to set the DRL P.111, riding mode. P.94 and to operate the Honda Smartphone Voice Control system P.90.

⚠ 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.

Continued

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 switch
To shift between Neutral and AT MODE. P.107

A/M switch
To shift between the AT MODE and MT MODE. P.107

Steering Lock

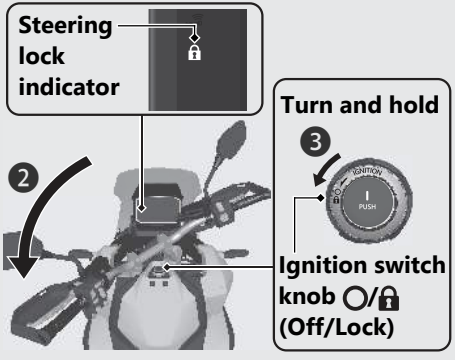
Lock the steering when parking to help prevent theft.

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.75
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.82 and enter the operating range. ➡P.83

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.

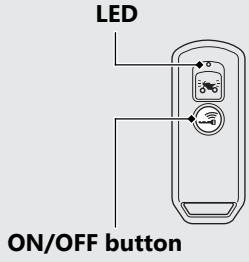
Continued

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:

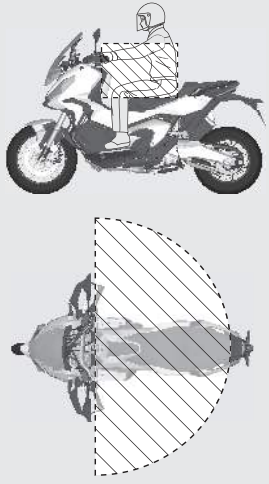
Green: (active)	Honda SMART Key system authentication can be performed.
Red: (inactive)	Honda SMART Key system authentication cannot be performed.

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.

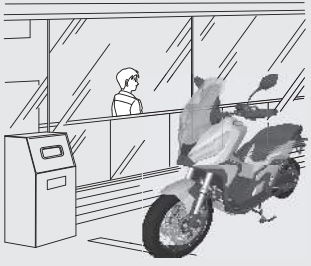


Continued

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.82



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.

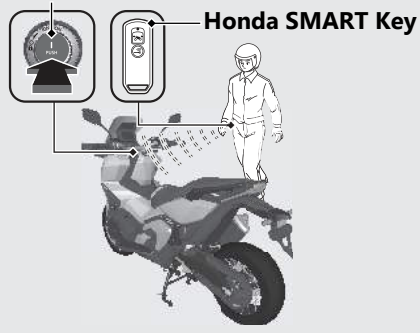
If the electrical system is on, the vehicle can be operated even by a person who does not have a verified Honda SMART Key.
Whenever you leave your vehicle, turn off the electrical system and lock the steering.
P.79

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.82
2. Push the ignition (On) switch. P.75
   ► The electrical system activates and the engine can be started.

Ignition (On) switch



Continued

Honda SMART Key System *(Continued)*

To Turn Off the Electrical System

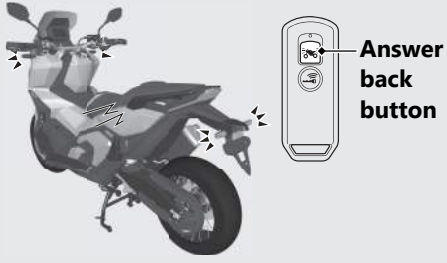
1. Turn the ignition switch knob ○/🔒 (Off/Lock) counterclockwise.
2. Leave the operating range with the Honda SMART Key ➡P.83 or switch the Honda SMART Key system to deactivation. ➡P.82

When the Honda SMART Key system does not work properly ➡P.175

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.

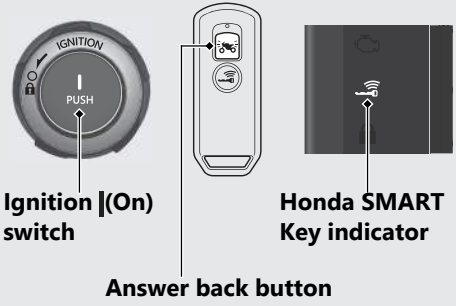
Continued

Answer Back System *(Continued)*

Adjusting the Answer Back Buzzer Sound Volume Level

You can select the buzzer sound volume from 3 levels.

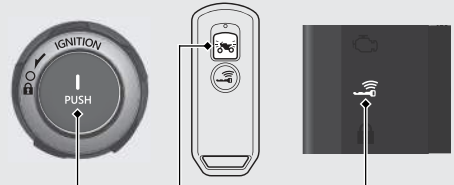
1. Lock the steering. P.79
2. Make sure that the Honda SMART Key system is activated. P.82
3. Press the answer back button on the Honda SMART Key 3 times within 1 minute while pushing and holding the ignition (On) switch.
4. Release the ignition (On) switch.
   - The Honda SMART Key indicator comes on.
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.79
2. Make sure that the Honda SMART Key system is activated. P.82
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 Smartphone Voice Control system

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/

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 himself/herself.
- 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.

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 Smartphone Voice Control system 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.

Continued

Honda Smartphone Voice Control system *(Continued)*

Honda Smartphone Voice Control system Limitations

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

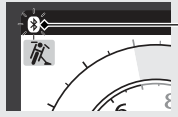
Honda cannot and does not provide any warranty or guarantee of future Honda Smartphone Voice Control system performance or functionality.

Pairing your smartphone via *Bluetooth*®

1. Select the BLUETOOTH PAIRING RESET menu. P.63



2. Reset the pairing information according to the switch operation guide. P.24
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*® paring 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.

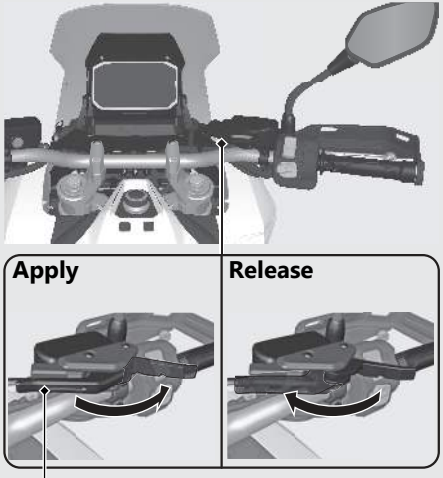
► The parking brake lock will not function if the parking brake is not adjusted properly.

P.152

To release the parking brake

Push the parking brake lever back to the original position.

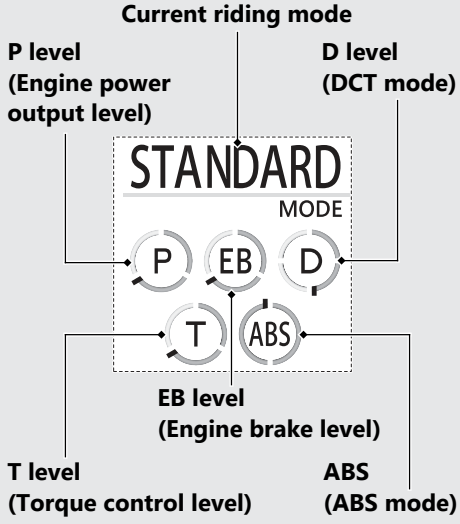
► Before riding, check that the parking brake indicator is turned off and make sure that the parking brake is fully released so there is no drag on the rear wheel.



Riding mode

You can change the riding mode.
The riding mode consists of the following parameters.

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



Riding mode has 5 modes.
Available riding modes: [STANDARD], [RAIN], [GRAVEL], [USER] and [SPORT]

[STANDARD] : Standard, all-round mode for a variety of situations.
[RAIN] : Good for stable riding on slippery surfaces such as rainy conditions.
[GRAVEL MODE] : Suitable for enjoying flat dirt riding.

[SPORT] : This mode is suitable for sports riding. You can feel the higher engine response compared to STANDARD.

Each initial setting level cannot be changed.

[USER]
Each initial setting level can be changed.

Initial setting

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

Notes:
*1 : Level can be changed.
*2 : If 0 is selected, the level will change to 2 the next time the electrical system is turned on.

Continued

Riding mode *(Continued)*

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.

T level (Torque control level)

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

Available setting range: 0 to 3

- ▶ Level 1 is the minimum Torque Control level.
- ▶ Level 3 is the maximum Torque Control level.
- ▶ Level 0 deactivates the Torque Control.
- ▶ If the electrical system is turned from off to on while the T level is set to 0, the T level is automatically set to 2.

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.

ABS (ABS mode)

ABS (ABS mode) has two setting levels.

Available setting range: 1 to 2

- ▶ Level 1 is off road mode.
- ▶ Level 2 is on road mode.

D level (DCT mode)

D level (DCT mode) has five setting levels.
Available setting range:
AT MODE: 1 to 4 (1, 2, 3, 3G, 4)
MT MODE: Current level or 3G

- ▶ 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.

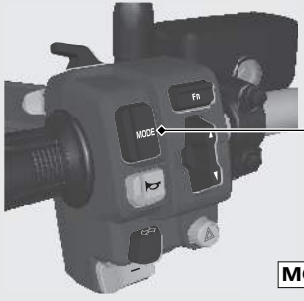
To change between the AT MODE and MT MODE. ➡P.107

Riding mode *(Continued)*

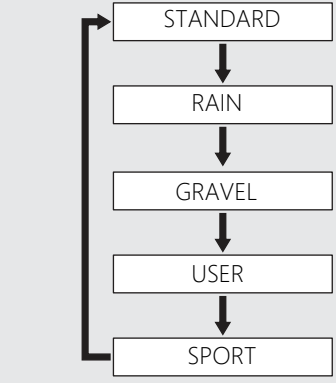
Selecting the riding mode

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.



MODE switch



→ Press the **MODE** switch

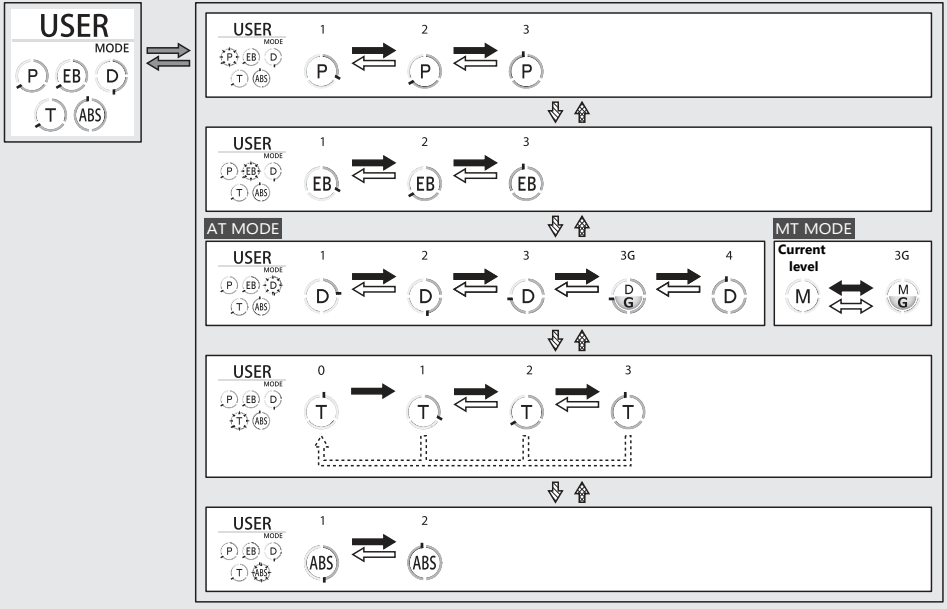
Setting the riding mode

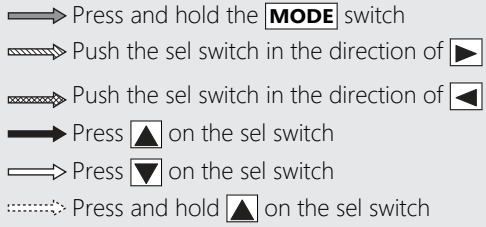
You can change the P, EB, D, T and ABS levels on the USER of the riding mode.

1. Stop the vehicle.
2. Select the USER in the riding mode. ➡P.98
3. Press and hold the **MODE** switch until P display is flashed.
4. Select the desired parameter and setting level.
   - ▶ To select the parameter, push the sel switch in the direction of ◀ or ▶.
   - ▶ To select the setting level, press ▲ 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 selected between the current level or 3G. If the current level is 3G, the D level can only be switched between 3. Also, the level is not displayed. To change between the AT MODE and MT MODE. ➡P.107
5. Press and hold the **MODE** switch until the parameter stops flashing.

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

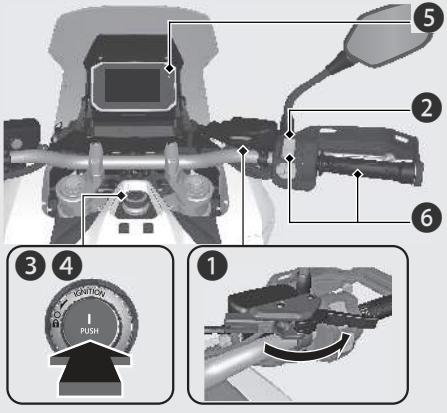
Riding mode *(Continued)*




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.83



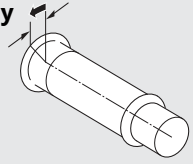
NOTICE

- 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.80
4. Activate the electrical system. P.85
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.
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.166

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.93

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

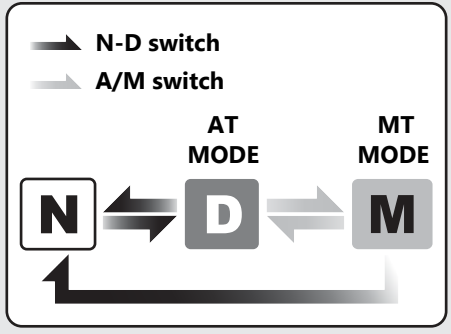
In order to respond to rider demands in a broad range of situations, the transmission is equipped with two operating modes, AT MODE (D) (automatic shift for regular operation); and MT MODE (M) (for 6-speed manual operation), which delivers the same shift feel as a manual transmission.

► 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.

"▬" appears in the gear position indicator window for a few seconds, then goes out.

While "▬" appears, you cannot shift into gear.



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.173

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.108
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 P.99
Riding mode : P.94

MT MODE: MT MODE (6-speed manual operation) You can choose between 6 gears in this mode.

Changing between Neutral and AT MODE/MT MODE

Changing from Neutral (N) to AT MODE

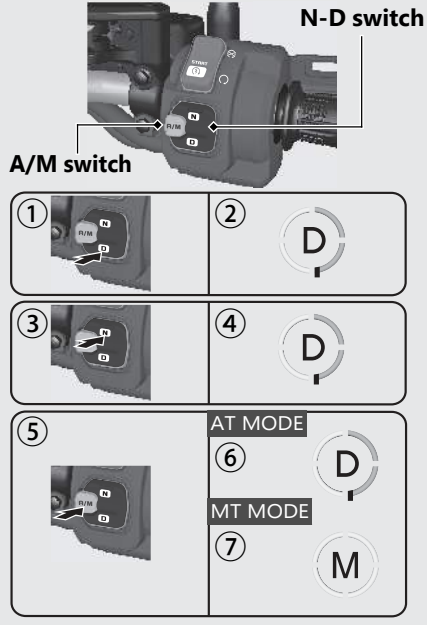
Press the D on the N-D switch (①).
Parameter display changes to D (②), "1" is shown in the gear position indicator and first gear is selected.

Changing from AT or MT MODE to Neutral

Press N on the N-D switch (③).
When in neutral, the parameter D is displayed (④).

Changing between AT MODE and MT MODE

Press the A/M switch (⑤).
When in AT MODE, the parameter D is displayed (⑥).
When in MT MODE, the parameter M is displayed (⑦).



Continued

Shifting Gears *(Continued)*

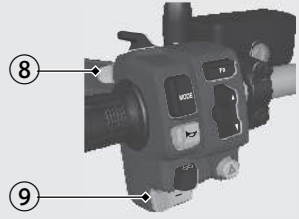
Riding in MT MODE

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 (+) ((8)).
Shifting Down:
Press the shift down switch (-) ((9)).
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.

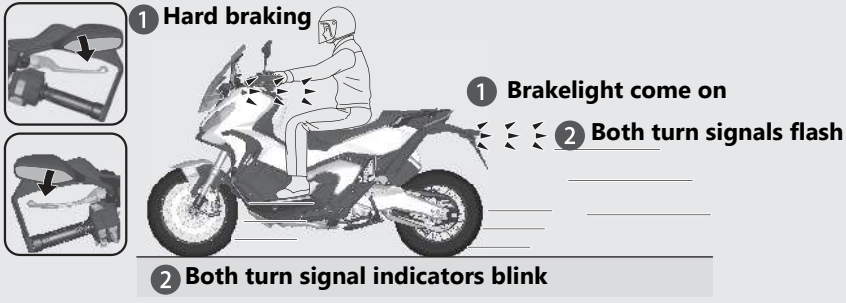
Emergency Stop Signal

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:

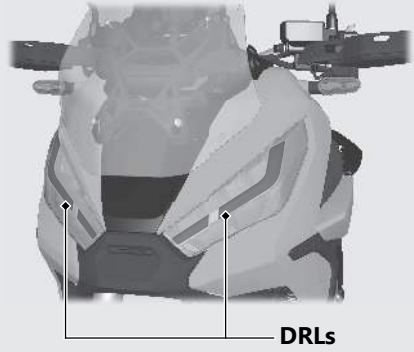


Emergency Stop Signal *(Continued)*

- 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 with the hazard switch pressed in.
- If the ABS stops working for a certain period during braking, the emergency stop signal may not activate at all.

DRL (Daytime Running Light)

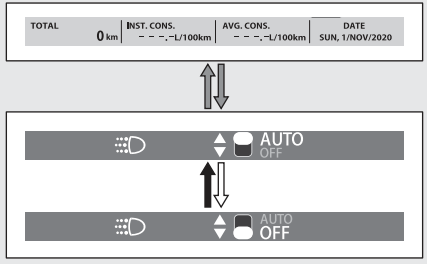
When the headlight dimmer/passing light control switch is turned to the position and DRL is set to "AUTO" P.112, the headlights and DRL are switched automatically according to the ambient brightness.
When it gets brighter, DRL lights up, and when it gets dark, low beam lights up and DRL decreases to the brightness of the position light.



DRL (Daytime Running Light) *(Continued)*

To select the DRL auto and off

1. Start the engine.
2. Press the [Fn] function switch.
   - ► Multi function display of DRL appears on the INFO area.
3. Select the [AUTO] or [OFF] of the DRL using [▲] or [▼] of the sel switch.
   - ► If the DRL indicator is off when DRL is set to "AUTO", "AUTO" will blink.
4. Press the [Fn] function switch to hide the multifunction display.



⟹ Press the [Fn] function switch

➡ Press [▲] on the sel switch

⇨ Press [▼] on the sel switch

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)

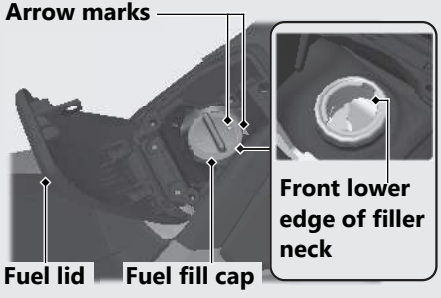
Refuelling and Fuel Guidelines P.16

Opening the Fuel Fill Cap

1. Make sure that the Honda SMART Key is activated P.82 and enter the operating range. P.83
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.

Continued

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

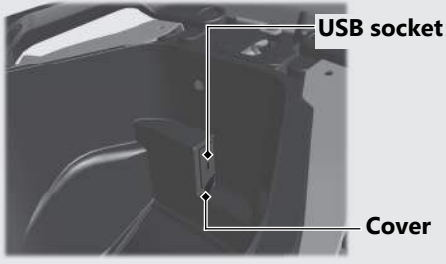
Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine, and keep heat, sparks, and flame away.
- Handle fuel only 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.116
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

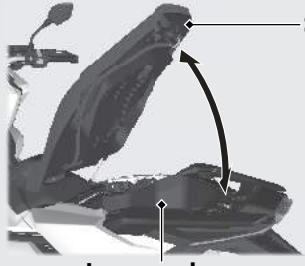
- Using any heat-generating USB devices or improperly rated USB devices can damage the socket.
- Do not use the USB socket in wet conditions, when or while washing or any other wet conditions as these will damage the USB socket.

Storage Equipment

Luggage Box



Seat opener switch



Open

1. Make sure that the Honda SMART Key is activated P.82 and enter the operating range. P.83
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.

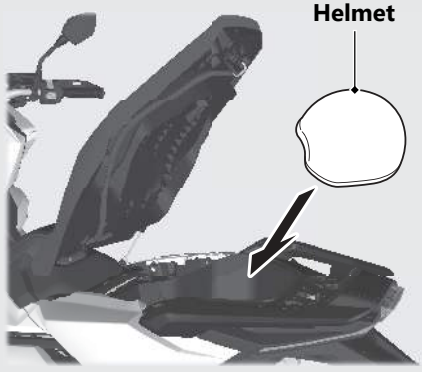
- ▶ Make sure that the tab is locked securely in position to pull up the rear of the seat lightly.
- ▶ Take care not to store the deactivated Honda SMART Key and emergency key together in the fairing pocket.

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.

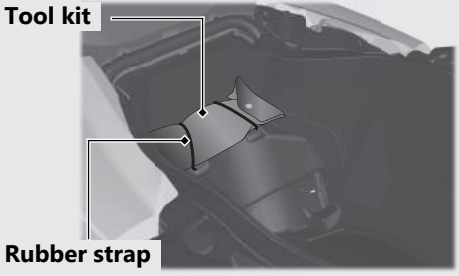


► Some helmets may not fit in the compartment due to their size or design.

Storage Equipment *(Continued)*

Tool Kit

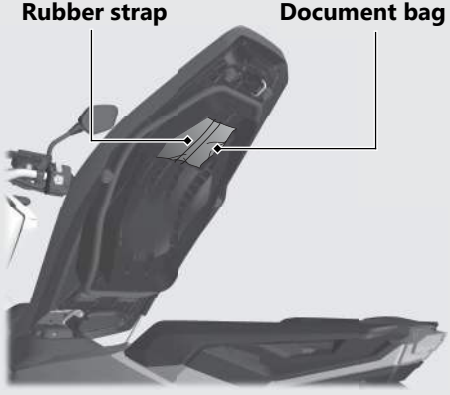
The tool kit is stored in the luggage box by the rubber strap.



Opening the seat P.116

Document Bag

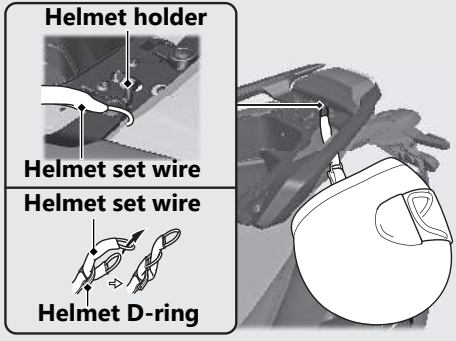
The document bag is stored reverse side of the seat.



Opening the seat P.116

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.116

⚠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)

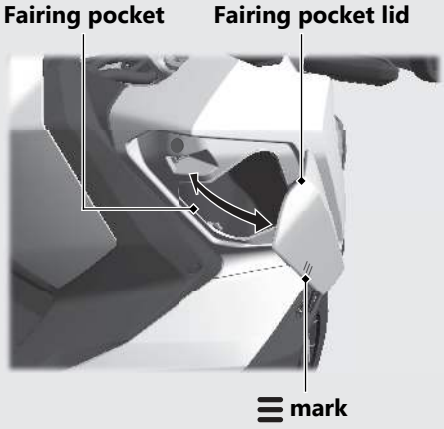
Open

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

Close

Push the ☰ mark of 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. 122
Maintenance Schedule ..... P. 123
Maintenance Fundamentals ..... P. 126
Tool ..... P. 138
Removing & Installing Body Components ..... P. 139
- Battery ..... P. 139
- Clip ..... P. 140
- Front Lower Cover ..... P. 141
- Maintenance Lid ..... P. 142
- Left Side Cover ..... P. 143

Engine Oil ..... P. 146
Coolant ..... P. 148
Brakes ..... P. 150
Side Stand ..... P. 153
Drive Chain ..... P. 154
Throttle ..... P. 156
Other Adjustments ..... P. 157
- Adjusting the Brake Lever ..... P. 157
- Adjusting the Front Suspension ..... P. 158
- Adjusting the Rear Suspension ..... P. 160
- Adjusting the Windscreen Height ..... P. 161

Other Replacement ..... P. 163
- Replacing the Honda SMART Key Battery .. P. 163

Importance of Maintenance

Importance of Maintenance

Keeping your vehicle well-maintained is absolutely essential to your safety and to protect your investment, obtain maximum performance, avoid breakdowns, and reduce air pollution. Maintenance is the owner's responsibility. Be sure to inspect your vehicle before each ride, and perform the periodic checks specified in the Maintenance Schedule.
P. 123

⚠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.

Continued

Maintenance Schedule

Items		Pre-ride Check P. 126	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		156
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		146
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	148
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. 126	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							154
Drive Chain Slider					I	I	I	I			–
Brake Fluid *4		I			I	I	I	I	I	2 Years	150
Brake Pads Wear		I			I	I	I	I	I		151
Brake System					I	I	I	I	I		126
Brake Lock Operation					I	I	I	I			152
Headlight Aim					I	I	I	I	I		–
Lights/Horn		I									–
Engine Stop Switch		I									–
Side Stand		I			I	I	I	I	I		153
Suspension					I	I	I	I	I		–
Nuts, Bolts, Fasteners					I	I	I	I	I		–
Wheels/Tyres		I			I	I	I	I	I		135
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.

Maintenance Fundamentals

Pre-ride Inspection

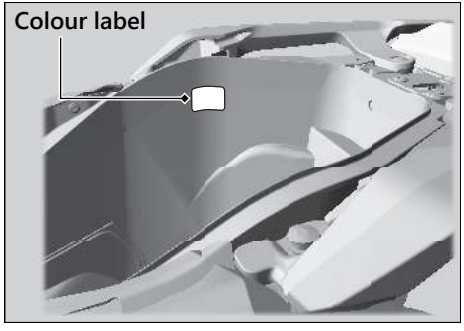
To ensure safety, it is your responsibility to perform a pre-ride inspection and make sure that any problem you find is corrected. A pre-ride inspection is a must, not only for safety, but because having a breakdown, or even a flat tyre, can be a major inconvenience.

Check the following items before you get on your vehicle:

- Fuel level - Fill fuel tank when necessary. ➡ P. 113
- Throttle - Check for smooth opening and full closing in all steering positions. ➡ P. 156
- Engine oil level - Add engine oil if necessary. Check for leaks. ➡ P. 146
- Coolant level - Add coolant if required. Check for leaks. ➡ P. 148
- Drive chain - Check condition and slack, adjust and lubricate if necessary. ➡ P. 154
- Brakes - Check operation;
  Front and Rear: check brake fluid level and pads wear. ➡ P. 150, ➡ P. 151
- Lights and horn - Check that lights, indicators and horn function properly.
- Engine stop switch - Check for proper function. ➡ P. 78
- Side stand ignition cut-off system - Check for proper function. ➡ P. 153
- Wheels and tyres - Check condition, air pressure and adjust if necessary. ➡ P. 135

Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety.
When ordering coloured components, specify the model name, colour, and code mentioned on the colour label.
The colour label is attached to the luggage box under the seat. ➡P. 116



⚠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.

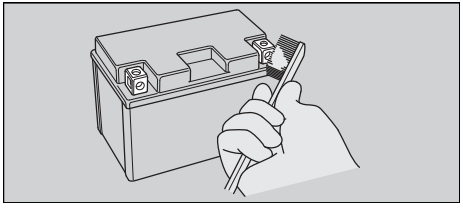
Wear protective clothing and a face shield, or have a skilled mechanic do the battery servicing.

Cleaning the Battery Terminals

1. Remove the battery. ➡P. 139
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

Continued

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

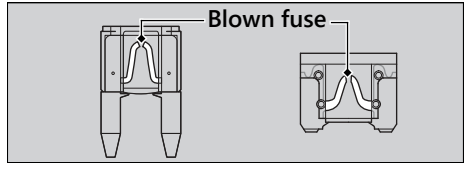
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

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. 188

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. 212



NOTICE

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

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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.

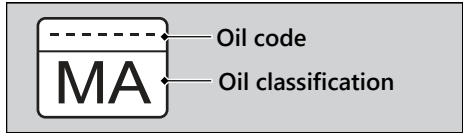
Selecting the Engine Oil

For recommended engine oil, see "Specifications." P. 211

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

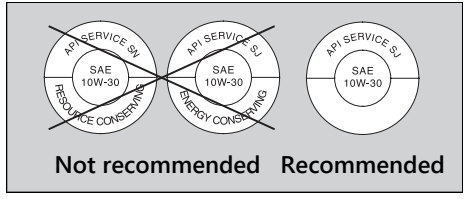
- JASO T 903 standard*1: MA
- SAE standard*2: 10W-30
- API classification*3: SG or higher

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



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

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



Brake Fluid

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

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

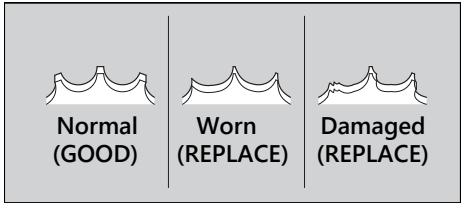
Recommended brake fluid:
Honda DOT 4 Brake Fluid or equivalent

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. 154

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

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



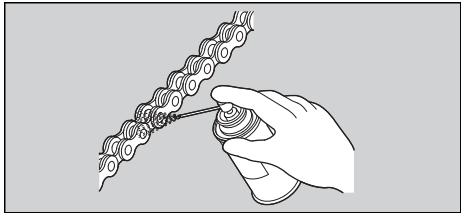
NOTICE
Use of a new chain with worn sprockets will cause rapid chain wear.

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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, Macao

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, Macao

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. 123

NOTICE

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

Crankcase Breather

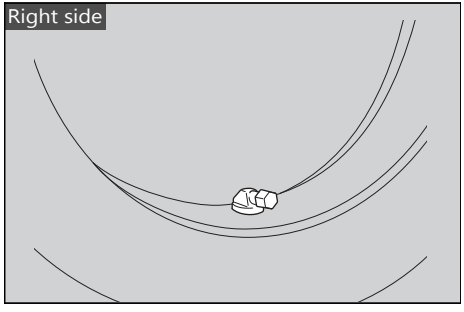
Service more frequently when riding in rain, at full throttle, or after the vehicle is washed or overturned. Service if the deposit level can be seen in the transparent section of the drain tube.
If the drain tube overflows, the air filter may become contaminated with engine oil causing poor engine performance.

Tyres (Inspecting/Replacing)

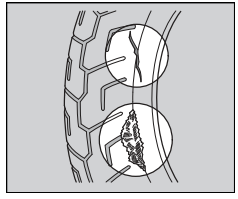
Checking the Air Pressure

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.

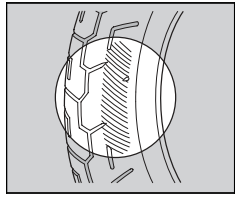


Inspecting for Damage



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

Inspecting for Abnormal Wear

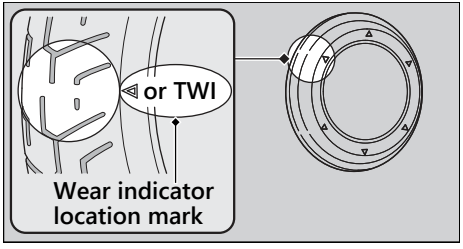


Inspect the tyres for signs of abnormal wear on the contact surface.

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.

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Have your tyres replaced by your dealer.
For recommended tyres, air pressure and minimum tread depth, see "Specifications." P. 211
Follow these guidelines whenever you replace tyres.

- Use the recommended tyres or 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.

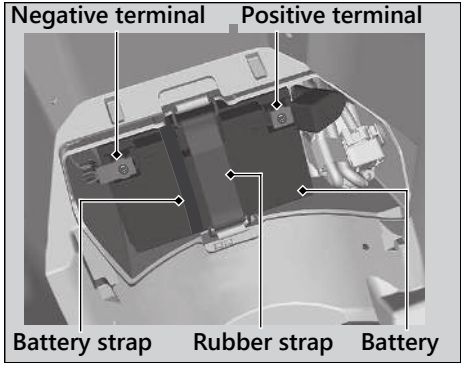
Tool

The tool kit is stored under the seat. P. 116

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. 142
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 that bolts and nuts are tight.

Make sure the clock information is correct after the battery is reconnected. P. 45

For proper handling of the battery, see "Maintenance Fundamentals." P. 128

"Battery Goes Dead." P. 187

Clip

Removal

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



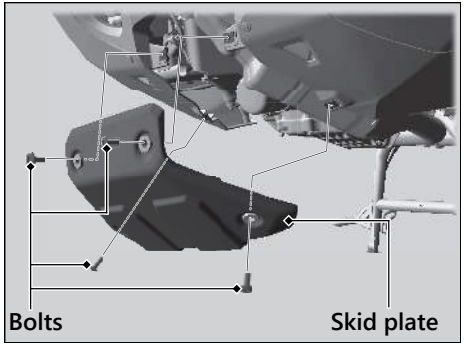
Installation

1. Push the bottom of the centre pin.



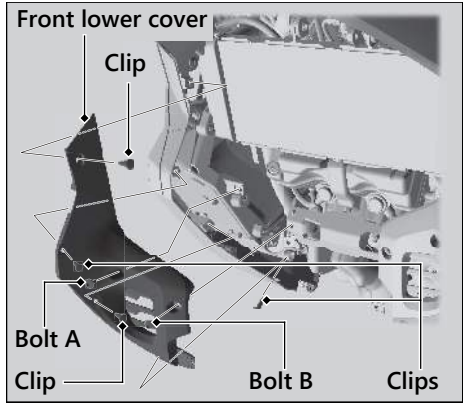
2. Insert the clip into the hole.
3. Press down on the centre pin to lock the clip.

Front Lower Cover



Removal

1. Remove the skid plate by removing the bolts.

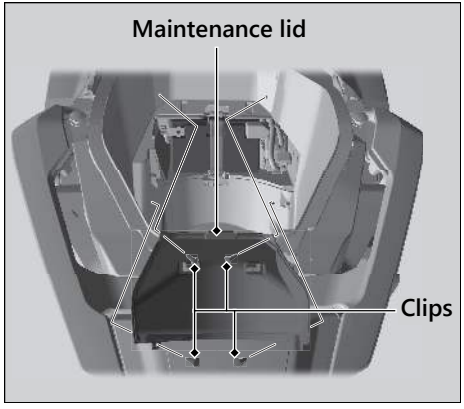


2. Remove the bolt A, bolt B and clips. P. 140
3. Remove the front lower cover.

Installation

Install the parts in the reverse order of removal.

Maintenance Lid



Removal

1. Open the seat. P. 116
2. Remove the tool kit.
3. Remove the clips (P. 140) and maintenance lid.

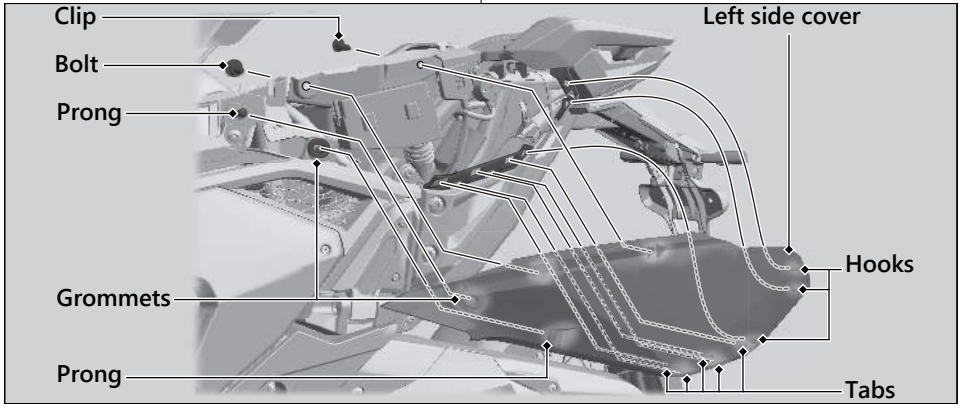
Installation

Install the parts in the reverse order of removal.

Left Side Cover

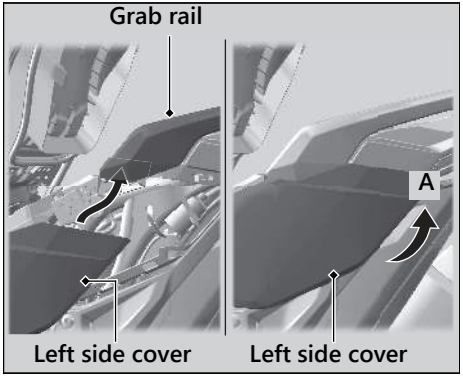
Removal

1. Open the seat. P. 116
2. Remove the bolt and clip. P. 140
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.

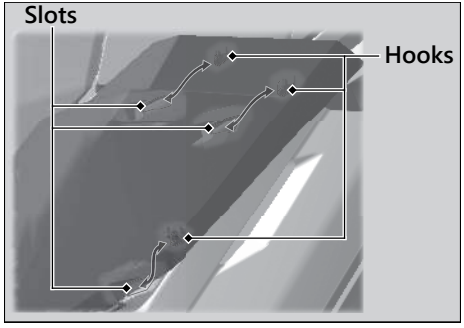


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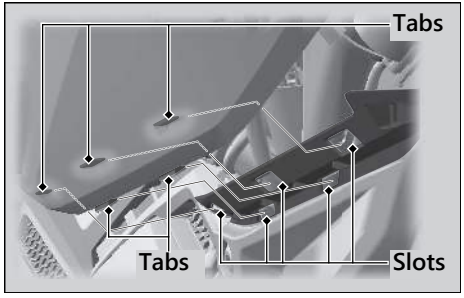
Installation



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



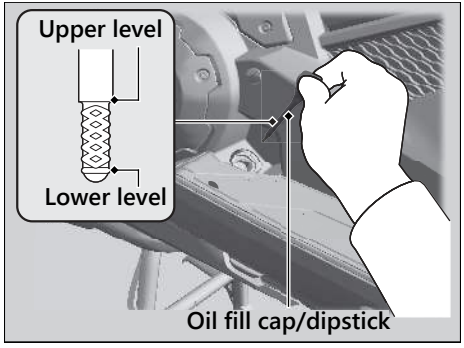
3. Pull the left side cover back slightly and attach the hooks into the slots.
   ▶ To attach the hooks securely, push the left side cover forward.



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. 131, ➡ P. 211

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. 131

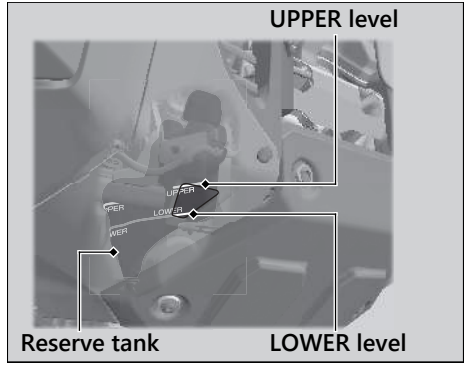
Coolant

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. 134) until the level reaches the UPPER level mark.

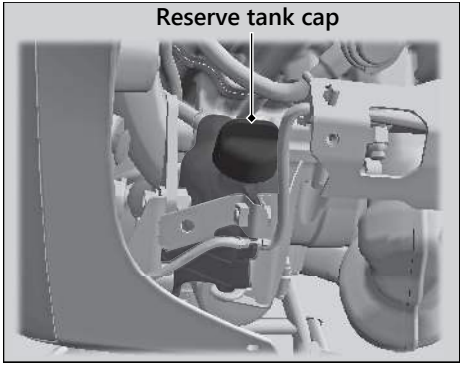
Add fluid only from the reserve tank cap and do not remove the radiator cap.

1. Remove the front lower cover. P. 141
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.

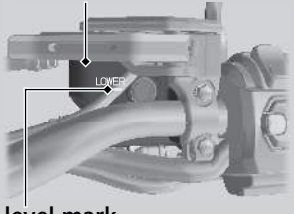


Checking Brake Fluid

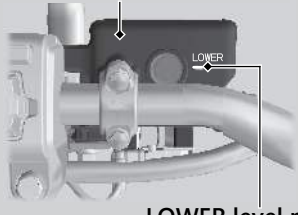
1. Place your vehicle in an upright position on a firm, level surface.
2. Check that the brake fluid reservoir is horizontal and that the fluid level is above the LOWER level mark.

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.

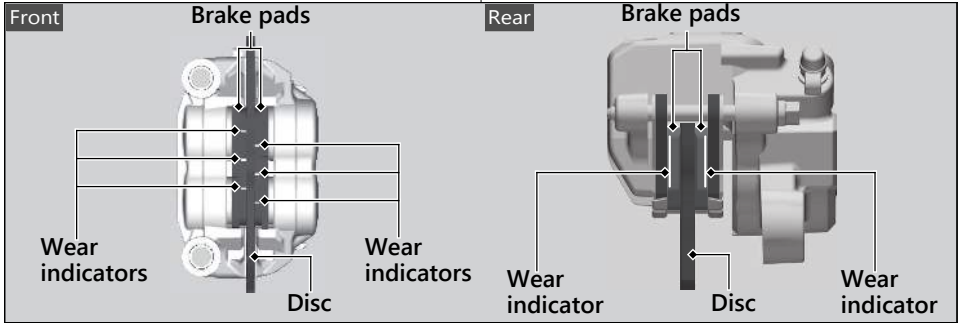
Front The pads need to be replaced if a brake pad is worn to the bottom of the indicator.

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

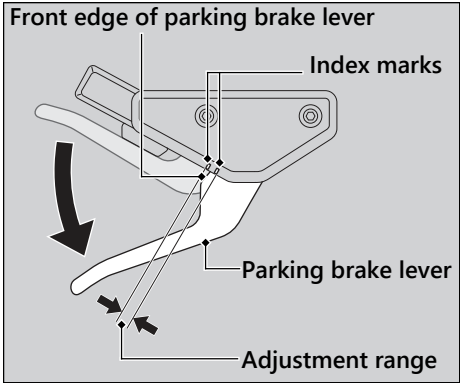
1. Front Inspect the brake pads from in front of the brake caliper.
   ▶ Always inspect both left and right brake calipers.
2. Rear Inspect the brake pads from the rear right of the vehicle.

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

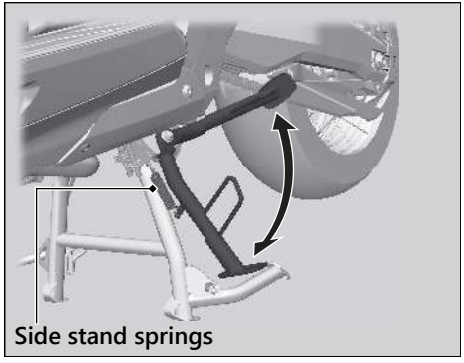


1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its centre stand on a firm, level surface.
3. Rotate the rear wheel by hand and slowly pull the parking brake lever.
4. Check that the front edge of the parking brake lever is within the adjustment range (between the index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

Side Stand

Checking the Side Stand



1. Check that the side stand operates smoothly. If the side stand is stiff or squeaky, clean the pivot area and lubricate the pivot bolt with clean grease.
2. Check the springs for damage or loss of tension.
3. Sit on the vehicle and raise the side stand.
4. Start the engine and press the D on the N-D 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.

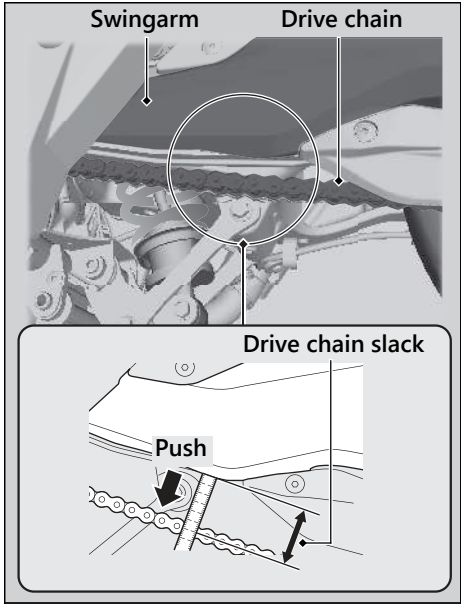
1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its centre stand on a firm, level surface.
3. Check the slack in the lower half of the drive chain midway between the sprockets.
   ▶ While depressing the drive chain, measure the distance from the bottom of the swingarm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

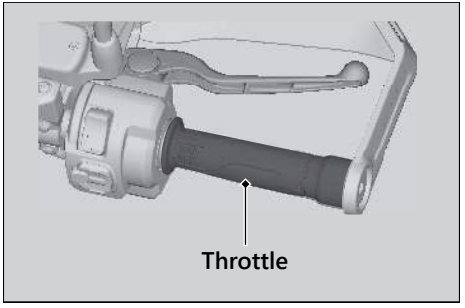


4. Rotate the rear wheel and check that the chain moves smoothly.
5. Inspect the sprockets. P. 132
6. Clean and lubricate the drive chain. P. 133

Throttle

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, close automatically, have the vehicle inspected by your dealer.



Adjusting the Brake Lever

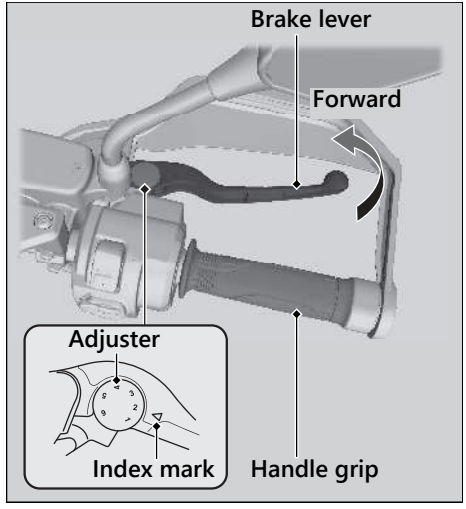
You can adjust the distance between the tip of the brake lever and handle grip.

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.



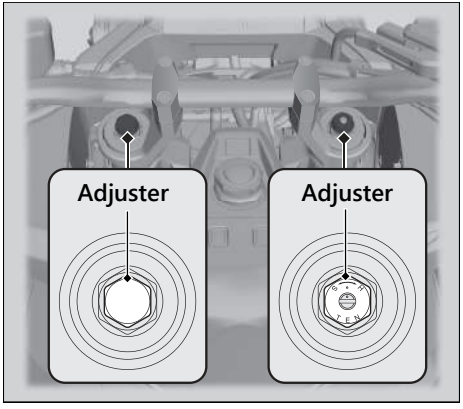
Adjusting the Front Suspension

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. 138

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

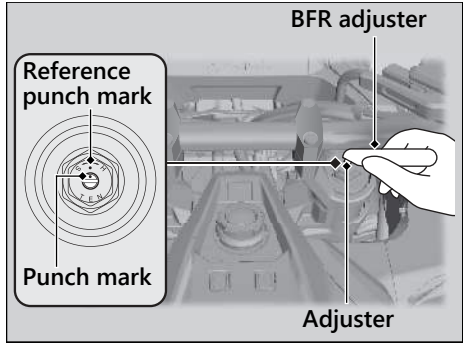
Do not turn the adjuster beyond its limits. Adjust both left and right forks to the same spring preload.

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. 138

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.

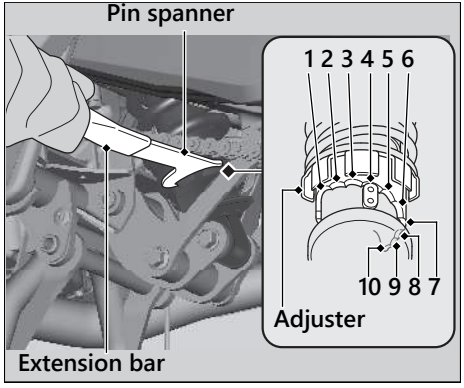
Adjusting the Rear Suspension

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. 138
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.

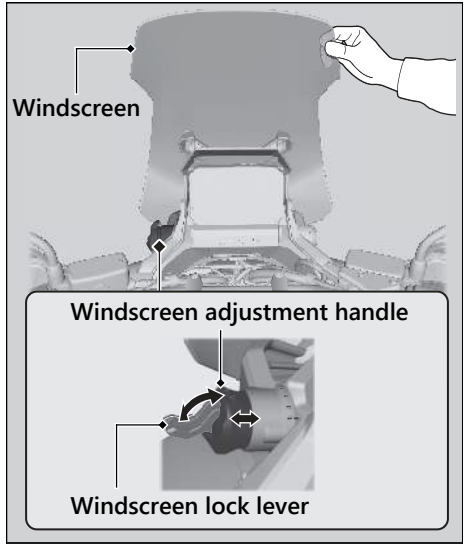
NOTICE
The rear shock absorber damper unit contains high pressure nitrogen gas. Do not attempt to disassemble, service, or improperly dispose of the damper. See your dealer.



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.

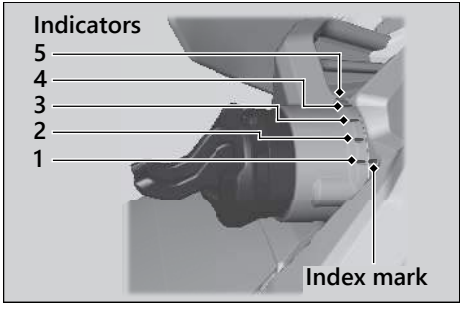
1. Pull the windscreen lock lever outward until it snaps into place. While holding the top of the windscreen, pull the windscreen adjustment handle outward.



Continued

2. Align the windscreen height indicator with the index mark at the desired position, push the windscreen adjustment handle inward to lock the windscreen.
▶ Make sure that the windscreen is locked securely by slightly moving the windscreen up or down.

3. Push the windscreen lock lever back to the original position.
▶ Make sure that the windscreen lock lever is pushed securely.

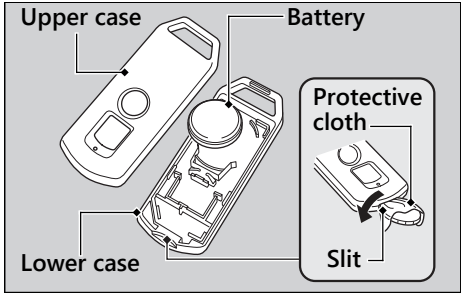


If the windscreen does not move smoothly, flush the sliding parts with water to remove dust.
If the windscreen does not move smoothly after flushing the sliding parts, have your vehicle inspected by your dealer.

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.

Continued

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

⚠WARNING

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

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

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
CAUTION: Do not exposed 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.
CAUTION: 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.
CAUTION: Do not subjected to extremely low air pressure at high altitude that may result in an explosion or the leakage of flammable liquid or gas.

Troubleshooting

Engine Will Not Start ..... P. 166
Overheating (High coolant temperature indicator is on) ..... P. 167
Warning Indicators On or Flashing ..... P. 168
Low Oil Pressure Indicator ..... P. 168
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 169
ABS (Anti-lock Brake System) Indicator ..... P. 170
Torque Control Indicator ..... P. 171
Honda SMART Key Indicator ..... P. 172
If the "–" Indicator is Blinking in the Gear Position Window While Riding ..... P. 173
Other Warning Indications ..... P. 174
Fuel Gauge Failure Indication ..... P. 174
When the Honda SMART Key System Does Not Operate Properly ..... P. 175
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Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. P. 102
- 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. 102
- Check for a blown fuse. P. 188
- Check for a loose battery connection (P. 139) or battery terminal corrosion (P. 128).
- Check the condition of the battery. P. 187

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

Overheating (High coolant temperature indicator is on)

The engine is overheating when the following occurs:

- High coolant temperature indicator comes on.
- Acceleration becomes sluggish.
  If this occurs, pull safely to the side of the road and perform the following procedure.

Extended fast idling may cause the high coolant temperature indicator to come on.

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

1. Stop the engine using the ignition switch, 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. 148

   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. 148
   ► 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 comes on, pull safely to the side of the road and stop the engine.

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. 146, P. 147
2. Start the engine.
   ▶ Only continue riding if the low oil pressure indicator goes off.

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

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.

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

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).

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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. 163

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. 178

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 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.

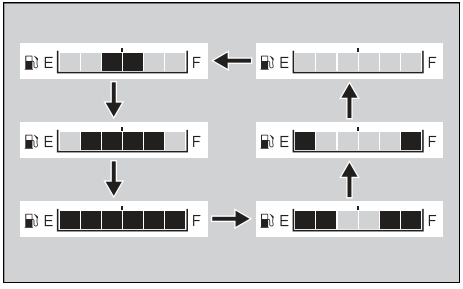
Take your vehicle to your dealer riding at a safe speed.

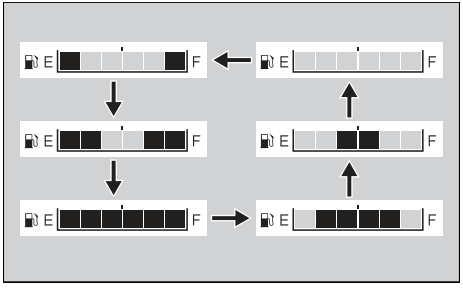
If you can't shift from N to D mode and the "–" indicator is blinking:

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.





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. 82
  If the Honda SMART Key LED does not respond, replace the battery.
- Check that there is no communication failure in the Honda SMART Key system. The Honda SMART Key system uses low-intensity radio waves. The Honda SMART Key system may not work properly in the following conditions:
  - ▶ When there are facilities nearby that generate strong radio waves or noise such as TV towers, power stations, radio stations, or airports.
  - ▶ When you carry the Honda SMART Key with a laptop or wireless communication device such as a radio or mobile phone.
  - ▶ When the Honda SMART Key comes into contact with or is covered by metal objects.

Continued

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

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

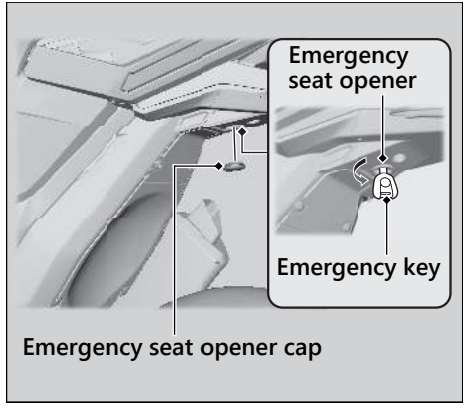
The seat lock can be unlocked by using the emergency key.

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

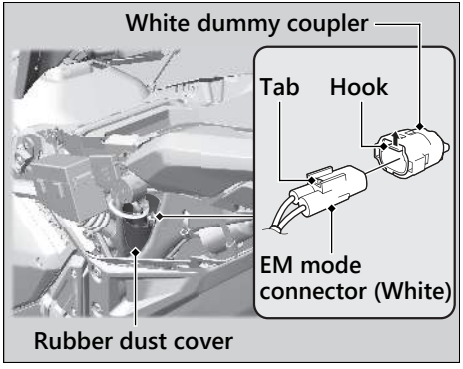
1. Close the seat. P. 116
2. Install the parts in the reverse order of removal.



Activating the Electrical System in an Emergency

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

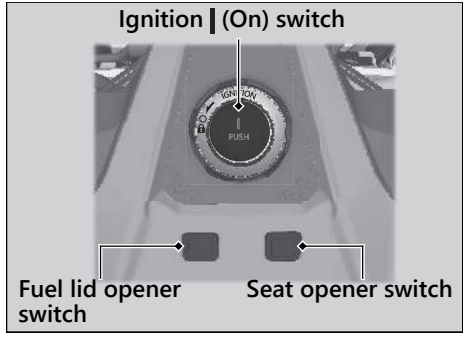
Set up to ID number input mode

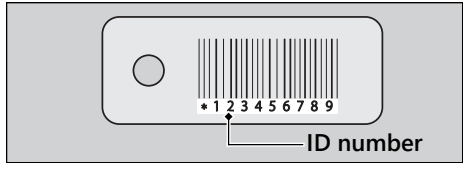


1. Use the emergency key to open the seat. P. 177
2. Remove the left side cover. P. 143
3. Pull out the EM mode connector (white) from the rubber dust cover.
4. Disconnect the white dummy coupler by releasing the tab of the EM mode connector while lifting the hook of the white dummy coupler.
5. Push the seat opener switch or fuel lid opener switch.
6. Reconnect the white dummy coupler.

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.





Continued

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.

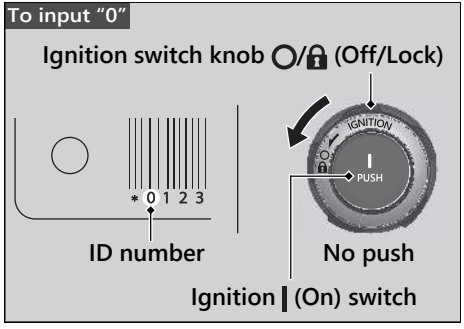
The ID number is input according to the number of times the ignition (On) switch is pushed.

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.

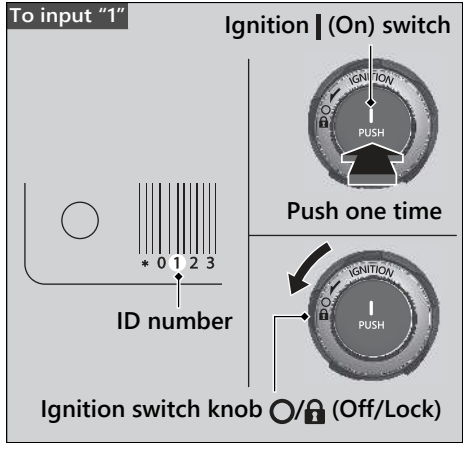
While inputting the ID number, if the button is not pressed for about 60 seconds, the inputted ID number is cancelled and the system returns to the state before disconnect the connector (the buzzer sounds and the steering lock indicator goes off).

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.



Continued

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.

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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.

Tyre Puncture

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

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. 92
	Check your surroundings to make sure no other device being paired is present before re-pairing. Presence of a *Bluetooth®* device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	When connecting a smartphone, make sure no other *Bluetooth®* device readied for pairing is present. Presence of a *Bluetooth®* device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	Check that the vehicle pairing information is deleted from your smartphone *Bluetooth®* setting. Depending on the smartphone used, connecting may not be possible unless the pairing information is deleted.

Continued

Smartphone Pairing Trouble

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.

Electrical Trouble

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.

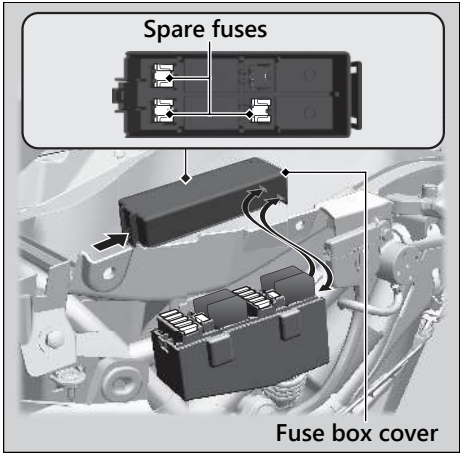
Burned-out Light Bulb

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. 130

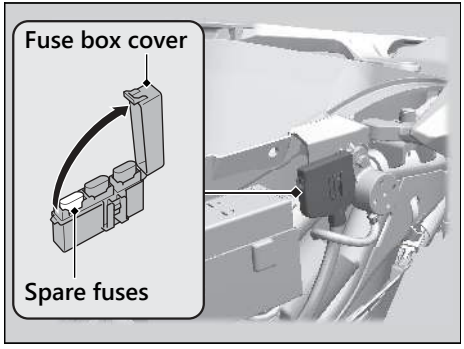
Fuse Box A Fuses



1. Remove the left side cover. ➡P. 143
2. Remove the fuse box cover.
3. Pull the fuses out one by one with the fuse puller in the tool kit and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
   ▶ Spare fuses are provided on back side of the fuse box cover.
4. Reinstall the parts in the reverse order of removal.

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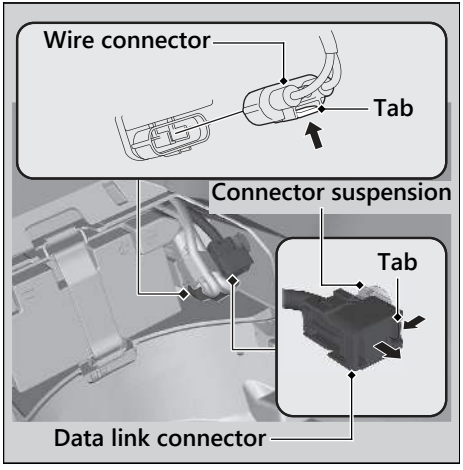
Fuse Box B Fuses



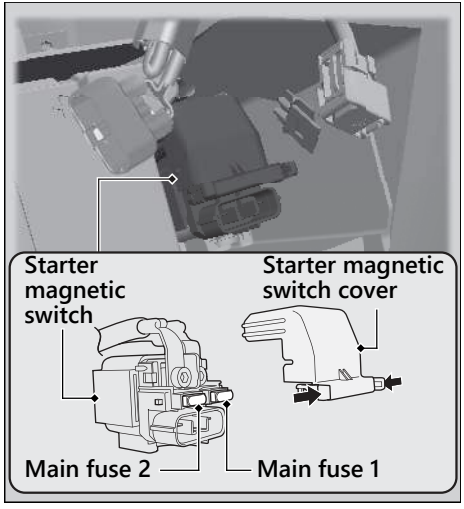
1. Remove the left side cover. P. 143
2. Open the fuse box cover.
3. Pull the fuses out one by one with the fuse puller in the tool kit and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
4. Reinstall the parts in the reverse order of removal.

Continued

Main Fuses



1. Remove the maintenance lid. P. 142
2. Push the tab to remove the data link connector from the connector suspension.
3. Push the tab to disconnect the wire connector from the starter magnet 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 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. 189

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

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Keys..... P. 194
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You & the Environment ..... P. 206
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Service Diagnostic Recorders

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

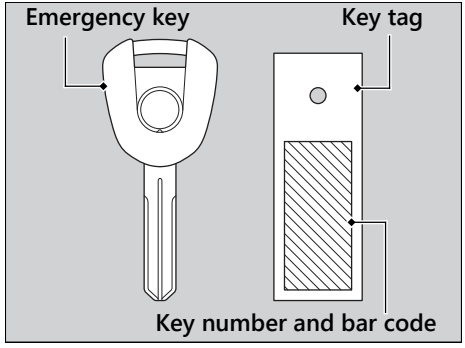
However this data may be accessed by Honda, its authorised dealers and authorised repairers, employees, representatives and contractors only for the purpose of the technical diagnosis, research and development of the vehicle.

Keys

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. 177
Do not store the emergency key in any compartment.



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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.

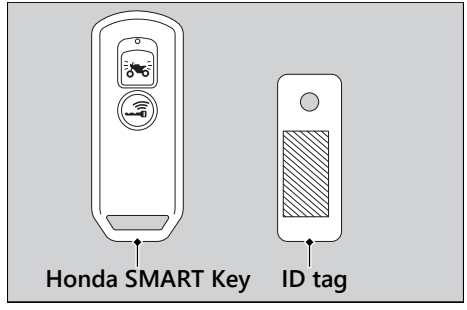
Continued

- 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.

Singapore only



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

Tripmeter

The tripmeters return to 0.0 when each read-out exceeds 9,999.9.

Document Bag

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

➡ P. 116

Ignition Cut-off System

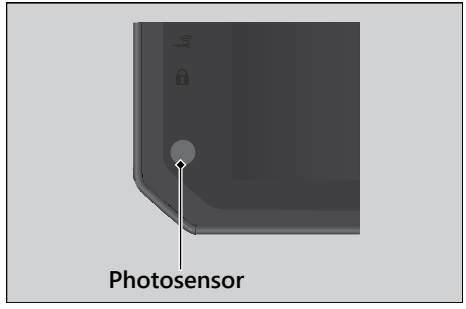
A banking (lean angle) sensor automatically stops the engine and fuel pump if the vehicle falls over. To reset the sensor, you must turn the electrical system off and back to the on before the engine can be restarted.

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.



Caring for Your Vehicle

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

Washing

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

1. Rinse your vehicle thoroughly using a low pressure garden hose to remove loose dirt.
2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
   ▶ Clean the 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.
   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 surface:
  - ▶ Use a soft cloth or sponge, plenty of water, and a mild detergent to clean mat painted surfaces. Dry with a soft clean cloth.

Continued

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.

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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.

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

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.

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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. 133
- 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. 139) to prevent discharge. Fully charge the battery and then place it in a shaded, well-ventilated area.
  ▶ If you leave the battery in place, disconnect the negative ⊖ terminal to prevent discharge.

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

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Transporting Your Vehicle

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

NOTICE

Towing your vehicle can cause serious damage to the transmission.

You & the Environment

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

Choose Sensible Cleaners

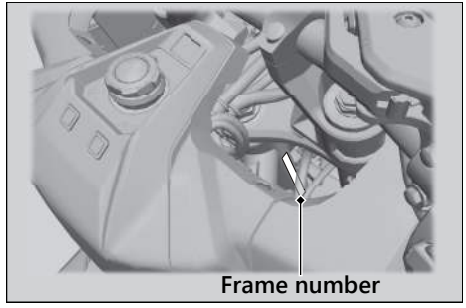
Use a biodegradable detergent when you wash your vehicle. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer.

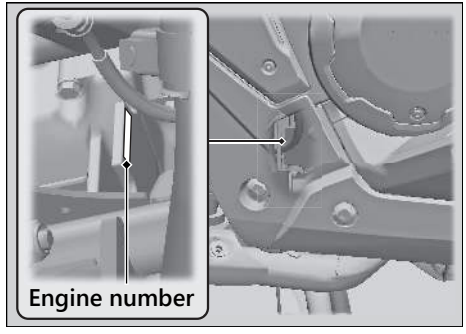
Recycle Wastes

Put oil and other toxic wastes in approved containers and take them to a recycling 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.

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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 gasses into safe compounds.

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

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

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

Specifications

■ Main Components

Overall length		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		236 kg (520 lb)
Maximum weight capacity *1		204 kg (450 lb)
Maximum luggage weight		21 kg (46 lb)
	Luggage box	5.0 kg (11.0 lb)
	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) / 12 V-11.6 Ah (20 HR)	
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

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■ 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	Normal	Permitted
	Special	Not Permitted
	Snow	Not Permitted
	Moped	Not Permitted
Tyre air pressure	Front	250 kPa (2.50 kgf/cm^2, 36 psi)
	Rear	280 kPa (2.80 kgf/cm^2, 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

Recommended engine oil	Honda 4-stroke motorcycle oil API Service Classification SG or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard 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, Macao**	Pro Honda HP Coolant
	Hong Kong, Macao	HONDA PRE-MIX COOLANT

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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	
	No. of links	118
Standard sprocket size	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/

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