CB1000RA



OWNER'S MANUAL

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

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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 CB1000RA II ED type.

Country Code

Code CB1000RA	Country
ED, II ED	European direct sales, Hong Kong
KO, III KO	Korea
GS, II GS	GCC Countries
U	Australia, New Zealand

*The specifications may vary with each locale.

A Few Words About Safety

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

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

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

⚠DANGER

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

⚠WARNING

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

⚠CAUTION

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

Other important information is provided under the following titles:

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

Contents

Vehicle Safety P. 2

Operation Guide P. 18

Maintenance P. 97

Troubleshooting P. 141

Information P. 155

Specifications P. 176

Index P. 179

Vehicle Safety

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

Safety Guidelines ..... P. 3
Image Labels ..... P. 6
Safety Precautions ..... P. 11
Riding Precautions ..... P. 12
Accessories & Modifications ..... P. 16
Loading ..... P. 17

Safety Guidelines

Follow these guidelines to enhance your safety:

- Perform all routine and regular inspections specified in this manual.
- Stop the engine and keep sparks and 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. 11

Before Riding

Make sure that you are physically fit, mentally focused and free of alcohol and drugs. Check that you and your passenger are both wearing an approved helmet and protective apparel. Instruct your passenger on holding onto the seat strap or your waist, leaning with you in turns, and keeping their feet on the footpegs, even when the vehicle is stopped.

Take Time to Learn & Practice

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

Ride Defensively

Always pay attention to other vehicles around you, and do not assume that other drivers see you. Be prepared to stop quickly or perform an evasive maneuver.

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

If You are Involved in a Crash

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

If you decide to continue riding, first turn the ignition switch to the ○ (Off) position, and evaluate the condition of your vehicle. Inspect for fluid leaks, check the tightness of critical nuts and bolts, and check the handlebar, control levers, brakes, and wheels. Ride slowly and cautiously.
Your vehicle may have suffered damage that is not immediately apparent. Have your vehicle thoroughly checked at a qualified service facility as soon as possible.

Carbon Monoxide Hazard

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

If you run the engine in 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.

Except KO, III KO type



KO, III KO type





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

Except KO, III KO type

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



ACCESSORIES AND LOADING WARNING LABEL
WARNING

ED, II ED type

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 **188 kg (414 lb)**, which is the maximum weight capacity.
- The luggage weight must not exceed **27 kg (60 lb)** under any circumstances.
- The fitting of large fork-mounted or large handlebar mounted fairing is not recommended.



REAR CUSHION LABEL

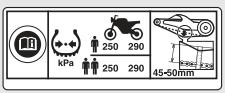
Except KO, III KO type

GAS FILLED

Do not open. Do not heat.

TYRE INFORMATION & DRIVE CHAIN LABEL

Except KO, III KO type



Cold tyre pressure:

[Driver only]

Front **250 kPa (2.50 kgf/cm², 36 psi)**

Rear **290 kPa (2.90 kgf/cm², 42 psi)**

[Driver and passenger]

Front **250 kPa (2.50 kgf/cm², 36 psi)**

Rear **290 kPa (2.90 kgf/cm², 42 psi)**

Keep chain adjusted and lubricated.

Freeplay **45 - 50 mm (1.8 - 2.0 in)**



SAFETY REMINDER LABEL

Except KO, III KO type

For your protection, always wear helmet, protective apparel.

FUEL LABEL

Except KO, III KO type

Unleaded petrol only

ETHANOL up to 10 % by volume

Safety Precautions

- Ride cautiously and keep your hands on the handlebar and feet on the footpegs.
- Keep passenger's hands onto the seat strap or grab rail 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)

Riding Precautions

Running-in Period

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

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

Brakes

Observe the following guidelines:

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

Anti-lock Brake System (ABS)

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

- ABS does not reduce braking distance. In certain circumstances, ABS may result in a longer stopping distance.
- ABS does not function at speeds below 10 km/h (6 mph).
- The brake lever and pedal may recoil slightly when applying the brakes. This is normal.
- Always use the recommended front/rear tyres and sprockets to ensure correct ABS operation.

Engine Braking

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

Wet or Rainy Conditions

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

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

Continued

Parking

- Park on a firm, level surface.
- If you must park on a slight incline or loose surface, park so that the vehicle cannot move or fall over.
- Make sure that high-temperature parts cannot come into contact with flammable materials.
- Do not touch the engine, muffler, brakes and other high-temperature parts until they cool down.
- To reduce the likelihood of theft, always lock the handlebar and remove the key when leaving the vehicle unattended.
  Use of an anti-theft device is also recommended.

Parking with the Side Stand

1. Stop the engine.
2. Push the side stand down.
3. Slowly lean the vehicle to the left until its weight rests on the side stand.
4. Turn the handlebar fully to the left.
   ▶ Turning the handlebar to the right reduces stability and may cause the vehicle to fall.
5. Turn the ignition switch to the (Lock) position and remove the key. P. 76

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. 174
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

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.
Additionally, the system will limit torque during a wheelie while accelerating 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.

Accessories & Modifications

We strongly advise that you do not add any accessories that were not specifically designed for your vehicle by Honda or make modifications to your vehicle from its original design. Doing so can make it unsafe. Modifying your vehicle may also void your warranty and make your vehicle illegal to operate on public roads. Before deciding to install accessories on your vehicle, be certain the modification is safe and legal.

⚠WARNING

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

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

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

Loading

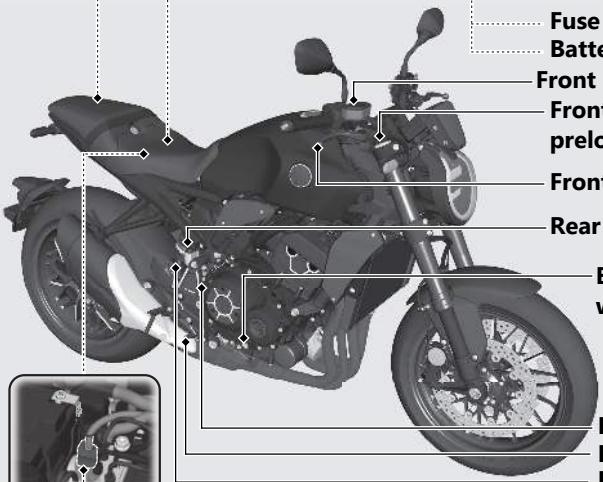
- Carrying extra weight affects your vehicle's handling, braking and stability.
  Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
  Maximum weight capacity/Maximum luggage weight P. 176
- Tie all luggage securely, evenly balanced and close to the centre of the vehicle.
- Do not place objects near the lights or the muffler.

⚠WARNING

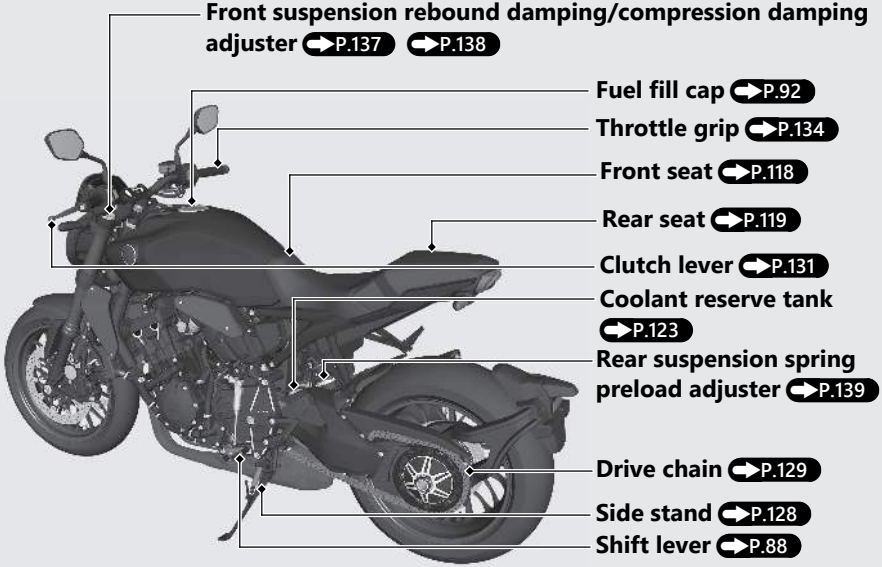
Overloading or improper loading can cause a crash and you can be seriously hurt or killed.

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

Parts Location



Tool kit P.95
Document bag P.96
Main fuse/ABS fuse P.153
Fuse box P.153
Battery P.117
Front brake fluid reservoir P.125
Front suspension spring preload adjuster P.136
Front brake lever P.135
Rear brake fluid reservoir P.125
Engine oil level inspection window P.121
Engine oil fill cap P.121
Rear brake pedal
Rear suspension rebound damping adjuster P.140
Data link connector


Front suspension rebound damping/compression damping adjuster P.137 P.138
Fuel fill cap P.92
Throttle grip P.134
Front seat P.118
Rear seat P.119
Clutch lever P.131
Coolant reserve tank P.123
Rear suspension spring preload adjuster P.139
Drive chain P.129
Side stand P.128
Shift lever P.88

Instruments

You can change the speed and mileage, and fuel mileage meter units. P.42 P.58

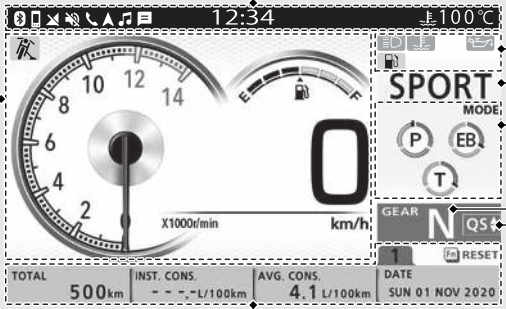


Do not operate the display functions for a long time with the engine stopped. It may result in a low (or dead) battery.

Speedometer/Tachometer/Fuel gauge/Side stand indicator area P.23

Status bar P.25

Indicator area P.27



RIDING MODE P.80

RIDING MODE PARAMETER P.80 **/ Honda Smartphone Voice Control system area** P.77

Gear position indicator P.26

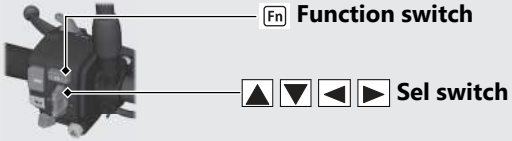
Quick Shifter indicator (II ED, II GS, III KO type) P.26

INFO area P.28 **/ Pop-up information** P.67

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: TYPE 1

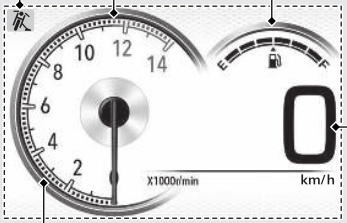
Side stand indicator
Comes on when the side stand is down.

Tachometer red zone
(excessive engine rpm range)

Fuel gauge
Remaining fuel when only 1st (E) segment starts flashing: approximately 3.5 L (0.92 US gal, 0.77 Imp gal)



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



Tachometer

Speedometer

► **If the fuel gauge indicator flashes in a repeat pattern or turns off:** P.148

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

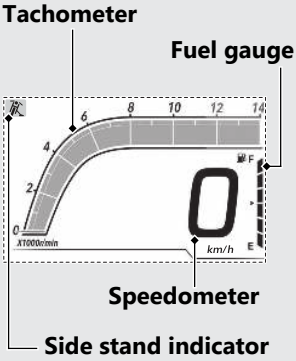
NOTICE
You should refuel when the reading approaches the E (1st) segment. Running out of fuel can cause the engine to misfire, damaging the catalytic converter.

Instruments *(Continued)*

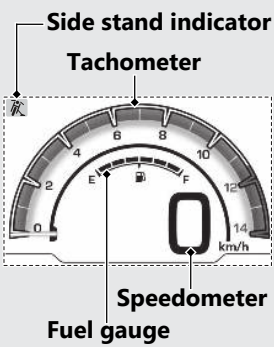
Speedometer/Tachometer/Fuel gauge/Side stand indicator area has four display types.
The display and arrangement of speedometer, tachometer and fuel gauge change depending on each display type.

To change the display type: P.42 P.52

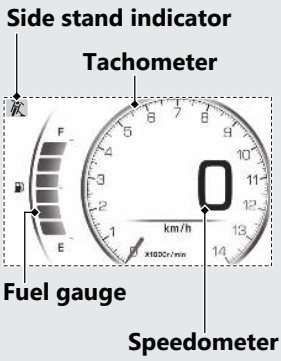
Display type: TYPE 2



Display type: TYPE 3



Display type: TYPE 4



Status bar



Status icon

Displays the status of the Honda Smartphone Voice Control system. P.77

Clock (12-hour or 24-hour display)

To set the clock: P.42 P.57

Coolant temperature gauge

Displays the coolant temperature.

Display range: 35°C to 132°C

- 34 ºC or less: "---" is displayed.
- Between 122°C and 131°C:
  - High coolant temperature indicator lights.
  - Coolant temperature digits flash.
- Above 132 ºC:
  - High coolant temperature indicator lights.
  - "132 ºC" flashes.

Even if the engine coolant temperature is low, the cooling fan may start running when you rev up the engine. This is normal.

Instruments *(Continued)*

Gear position indicator

The gear position is shown in the gear position indicator.

► "-" appears when the transmission is not shifted properly.

Quick Shifter indicator

II ED, II GS, III KO type

Displays the current status of the Quick Shifter.

This indicator is displayed in the gear position indicator.

No display : Quick Shifter system is disabled.

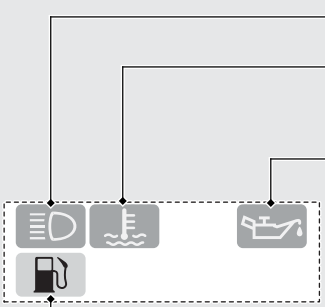
QS ▲ : Quick Shifter upshifting is enabled.

QS ▼ : Quick Shifter downshifting is enabled.

QS ▲▼ : Quick Shifter upshifting and downshifting are both enabled.

QUICK SHIFTER: P.43 P.48 P.89

Indicator area



High beam indicator

High coolant temperature indicator

If it comes on while riding: P.143

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.144

Low fuel indicator

Comes on when there is only reserve fuel left in the fuel tank. P.23

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

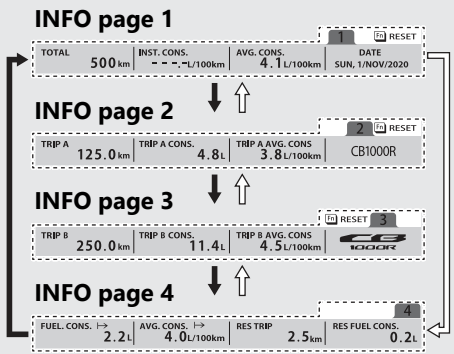


The information item displayed in the INFO area can be changed arbitrarily.

To change the information: P.42 P.55

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.30
- TRIP A P.30
- TRIP A CONS. P.31
- TRIP A AVG. CONS. P.31
- TRIP B P.32
- TRIP B CONS. P.32
- TRIP B AVG. CONS. P.33
- INST. CONS. P.33
- AVG. CONS. P.34
- AVG. SPEED P.34
- ELAPSED P.35
- REV P.35
- GRIP ANGLE P.35
- VOLTAGE P.36
- DATE P.36
- User letter P.36
- Logo P.36
- SHIFT POINT P.37
- FUEL CONS. ⟶ P.37
- AVG. CONS. ⟶ P.38
- AVG. SPEED ⟶ P.38
- ELAPSED ⟶ P.39
- RES TRIP P.39
- RES FUEL CONS. P.40
- Blank P.40

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.41

Tripmeter A fuel consumption [TRIP A CONS.]

Displays the tripmeter A fuel consumption since the tripmeter A was reset.
Display range:
ED, II ED, U: 0.0 to 299.9 L (GAL)
GS, II GS, KO, III KO: 0.0 to 299.9 L



When "---.-" is displayed go to your dealer for service.
Tripmeter A fuel consumption is reset when you reset tripmeter A.
To reset the tripmeter A: P.41

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:
ED, II ED, U: 0.0 to 299.9 L/100 km (km/L, mile/GAL or mile/L)
GS, II GS, KO, III KO: 0.0 to 299.9 L/100 km (km/L)

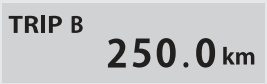
- When the average fuel mileage is reset: "---.-" is displayed.



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.41

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.41

Tripmeter B fuel consumption [TRIP B CONS.]

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

Display range:

ED, II ED, U: 0.0 to 299.9 L (GAL)

GS, II GS, KO, III KO: 0.0 to 299.9 L



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

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

To reset the tripmeter B: P.41

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:
ED, II ED, U: 0.0 to 299.9 L/100 km (km/L, mile/GAL or mile/L)
GS, II GS, KO, III KO: 0.0 to 299.9 L/100 km (km/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.41

Current fuel mileage [INST. CONS.]

Displays the current instant fuel mileage.
Display range:
ED, II ED, U: 0.0 to 299.9 L/100 km (km/L, mile/GAL or mile/L)
GS, II GS, KO, III KO: 0.0 to 299.9 L/100 km (km/L)

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



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

Instruments *(Continued)*

Average fuel mileage [AVG. CONS.]

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

Display range:

ED, II ED, U: 0.0 to 299.9 L/100 km (km/L, mile/GAL or mile/L)

GS, II GS, KO, III KO: 0.0 to 299.9 L/100 km (km/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.41

Average speed [AVG. SPEED]

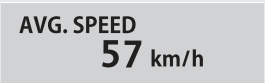
Displays the average speed since the average speed was reset.

Display range:

ED, II ED, U: 0 to 299 km/h (0 to 186 mph)

GS, II GS, KO, III KO: 0 to 299 km/h

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



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

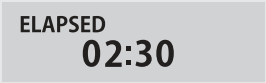
To reset the average speed P.41

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.41

Numerical tachometer display [REV]

Displays the engine revolutions per minutes.



Throttle grip angle [GRIP ANGLE]

Displays the throttle grip angle during operation.



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

Instruments *(Continued)*

Battery voltage [VOLTAGE]

Displays the current voltage.



Date [DATE]

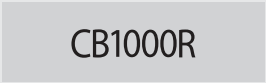
Displays the date of today.



To set the date: P.42 P.57

User letter

Displays the characters of user's choice.



To set the USER LETTER: P.42 P.56

Logo

Displays the CB1000R logo.



SHIFT POINT set value [SHIFT POINT]

Displays the SHIFT POINT set value.
Display range: 5,000 - 11,400 r/min



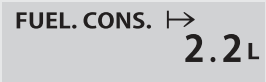
To set the SHIFT POINT: P.42 P.49

Fuel consumption in this time [FUEL CONS. ⟼]

Displays the fuel consumption since the electrical system was turned on.
Display range:
ED, II ED, U: 0.0 to 50.0 L (GAL)
GS, II GS, KO, III KO: 0.0 to 50.0 L

- 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.

Average fuel mileage in this time [AVG. CONS. ⟞⟶]

Displays the average fuel mileage since the electrical system was turned on.

Display range:

ED, II ED, U: 0.0 to 299.9 L/100 km (km/L, mile/GAL or mile/L)

GS, II GS, KO, III KO: 0.0 to 299.9 L/100 km (km/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:

ED, II ED, U: 0 to 299 km/h (0 to 186 mph)

GS, II GS, KO, III KO: 0 to 299 km/h

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

When 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.

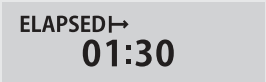
Elapsed time in this time [ELAPSED ⊢→]

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.

Reserve tripmeter [RES TRIP]

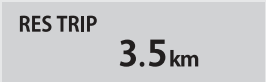
Distance ridden since the reserve fuel indicator lights.

Display range:

ED, II ED, U: 0.0 to 9999.9 km (mile)

GS, II GS, KO, III KO: 0.0 to 9999.9 km

- 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.

Instruments *(Continued)*

Reserve fuel consumption [RES FUEL CONS.]

Displays the fuel consumption since the reserve fuel indicator lights.
Display range:
ED, II ED, U: 0.0 to 299.9 L (GAL)
GS, II GS, KO, III KO: 0.0 to 299.9 L

- 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.

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.22

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.42 P.50

Instruments *(Continued)*

Setting mode

To shift to the setting mode

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

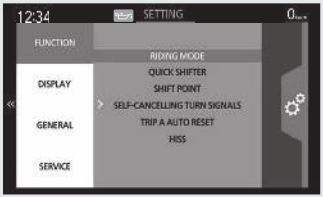
To select the desired setting menu, operate the ▲ ▼ ◀ ▶ sel switch on the left handlebar.

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

Ordinary display



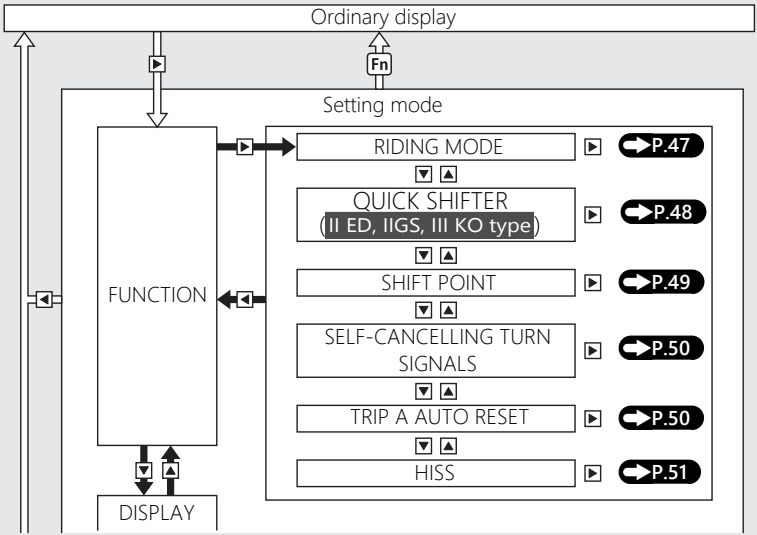
Setting mode



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.

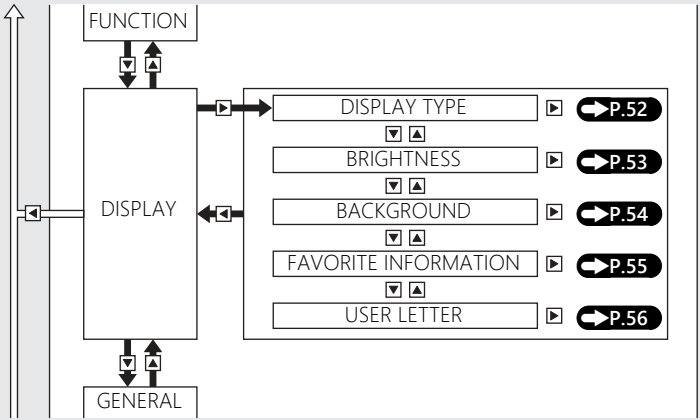
Setting flow



Push/Press

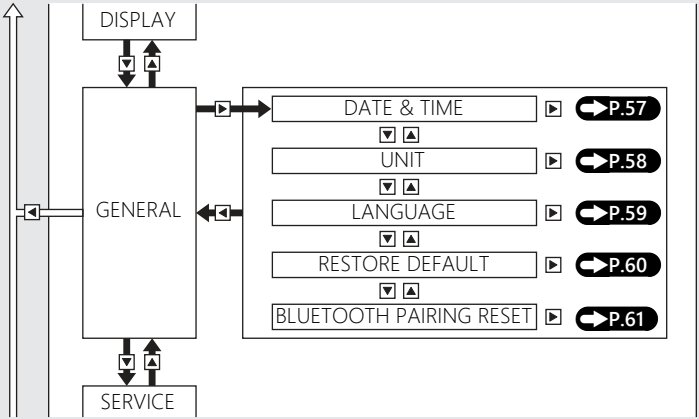
Push and hold/Press and hold

Instruments *(Continued)*



Push/Press

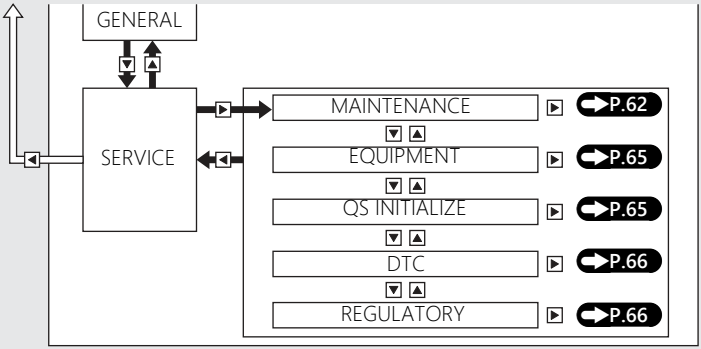
Push and hold/Press and hold



Push/Press

Push and hold/Press and hold

Instruments *(Continued)*



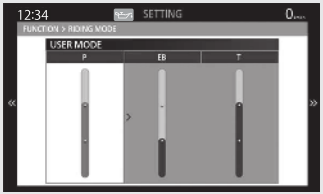
Push/Press

Push and hold/Press and hold

RIDING MODE P.80

You can change the setting value of the USER MODE.

1. Select the parameter ("P", "EB" or "T") 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.22
   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.22



Instruments *(Continued)*

QUICK SHIFTER

II ED, II GS, III KO type

You can change the setting of the Quick Shifter.

UP: Change the setting for upshifting.

DOWN: Change the setting for downshifting.

OFF	Deactivate
SOFT	Activate
MEDIUM	
HARD	

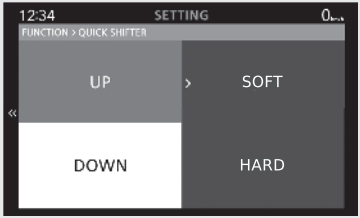
SOFT, MEDIUM or HARD indicate the load level of the shift pedal.

To use the Quick Shifter: P.89

1. Select the "UP" or "DOWN" using the ▲ sel up or ▼ sel down switch.
2. Select to the desired setting according to the switch operation guide. P.22
3. Return to the ordinary display to complete the setting. P.42

   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.

   ▶ The set value is retained.



SHIFT POINT

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

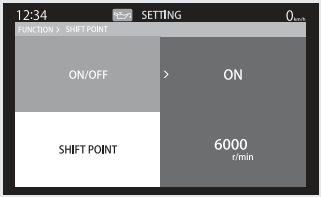
SHIFT POINT : You can change the engine revolutions at which the tachometer start blinking in the shift up mode.

Shift up mode: P.68

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.22
3. Return to the ordinary display to complete the setting. P.42

   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.74

1. Select the "ON" or "OFF" using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.42
   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.41

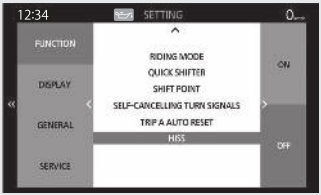
1. Select the "ON" or "OFF" using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.42
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ▶ The set value is retained.



HISS

You can ON (blinks) or OFF (off) the HISS.

1. Select the "ON" (blinks) or "OFF" (off) using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.42
   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.

P.23



1. Select the display type ("TYPE 1", "TYPE 2" "TYPE 3" or "TYPE 4") using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.42
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   ► The set value is retained.

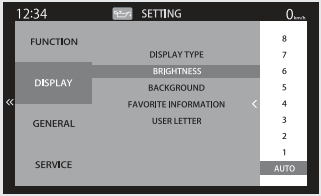
BRIGHTNESS

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

Automatic brightness control: P.164

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.42
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.
   ► The set value is retained.

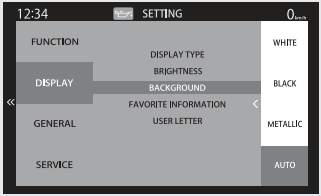


Instruments *(Continued)*

BACKGROUND

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

Automatic Background Control: P.164



1. Select the background colour using ▲ or ▼ of the sel switch.
2. Return to the ordinary display to complete the setting. P.42

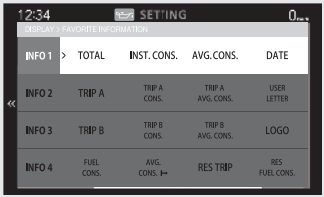
   To continue setting, push the sel switch in the direction of ◀ to return to the upper hierarchy.

   ▶ The set value is retained.

FAVORITE INFORMATION

You can change the information items displayed in the INFO area. P.28

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.22
   - ▶ 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.42
   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.22
   ► 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.42
   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   ► The set value is retained.



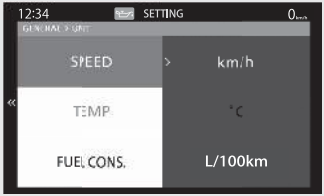
Instruments *(Continued)*

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.
   - ▶ ED, II ED, U type: "TEMP" is displayed but not usable.
   - ▶ GS, II GS, KO, III KO type: "SPEED" and "TEMP" are displayed but not usable.
2. Select the desired setting according to the switch operation guide. P.22
3. Return to the ordinary display to complete the setting. P.42

   To continue setting, push and hold the sel switch in the direction of ◀ to return to the upper hierarchy.
   - ▶ The set value is retained.



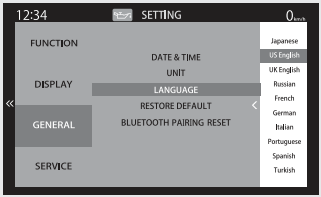
ED, II ED, U type

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.42
   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.22



The following items are restored to their default values:

- DISPLAY TYPE
- SHIFT POINT
- 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
- HISS

BLUETOOTH PAIRING RESET

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

To connect the device P.77

Reset the settings according to the switch operation guide. P.22



► 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:

ED, II ED, U: -----, 12,000 to -99,999 km (8,000 to -99,999 mile)

KO, III KO: -----, 12,000 to -99,999 km

GS, II GS: -----, 6,000 to -99,999 km

- ► 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.67

- "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

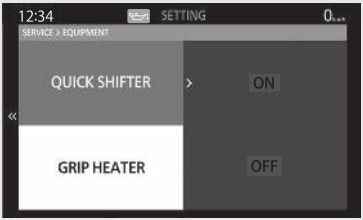
1. Select "🔧" (periodic inspection) or "🛢" (engine oil change) using ▲ or ▼ of the sel switch.



2. Select the desired setting according to the switch operation guide.
   - If you press and hold ▲ of the sel switch while setting the "DISTANCE", it will move every 1000.
   - Available setting range of the DISTANCE:
     ED, II ED, U: -----, 100 to 12,000 km (100 to 8,000 mile)
     GS, II GS, KO, III KO: -----, 100 to 12,000 km
3. Return to the ordinary display to complete the setting. ➔P.42
   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.



QS INITIALIZE

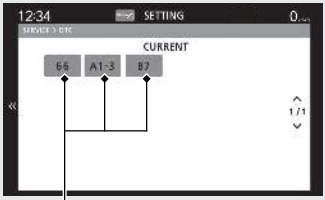
"QS INITIALIZE" is displayed but not selectable.



Instruments *(Continued)*

DTC

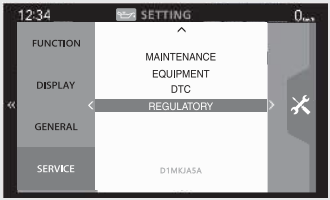
Displays a current problem with the vehicle. If your vehicle has problem, DTC index is displayed.
Reduce speed and have your vehicle inspected by your dealer as soon as possible.



DTC indexes

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.

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.

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

Instruments *(Continued)*

Tachometer colour function

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.42 ➡P.49

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.27

Left turn signal indicator

Right turn signal indicator



Neutral indicator

Comes on when the transmission is in Neutral.

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.146

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

Comes on briefly when the electrical system is turned on.

ED, II ED, KO, III KO type

If it comes on or flashes while engine is running: P.145

GS, II GS, U type

If it comes on while engine is running: P.145

Indicators *(Continued)*



HISS indicator P.142

- Comes on briefly when the ignition switch is turned to the | (On) position. Goes off if the ignition key has the correct coding.
- Flashes every 2 seconds for 24 hours when the ignition switch is turned to the ○ (Off) position.

Torque Control indicator

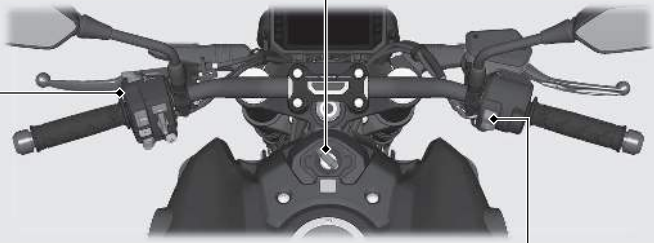
- Comes on when the electrical system is turned on. Goes off when your speed reaches approximately 5 km/h (3 mph) to indicate Torque Control is ready to work.
- Blinks when Torque Control is operating.

If it comes on while riding: P.147

Torque Control OFF Indicator

- Comes on when the Torque Control is turned Off.

Switches



Left handlebar switch P.74

Engine stop switch/ Start button

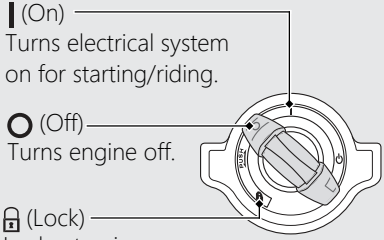
Should normally remain in the (Run) position.

▶ In an emergency, switch to the (Stop) position to stop the engine.

⏻ Ignition Switch

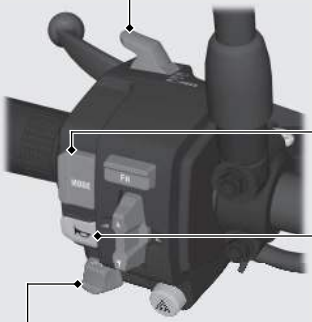
Switches the electrical system on/off, locks the steering.

► Key can be removed when in the ○ (Off) or 🔒 (Lock) position.



Switches *(Continued)*

Left handlebar switches



Headlight dimmer/Passing light control switch

- : High beam
- : Low beam
- PASS : Flashes the high beam headlight.

MODE switch

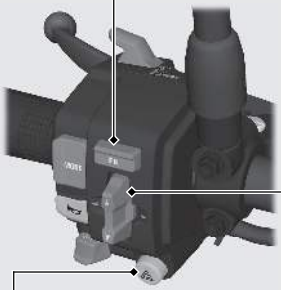
Used to change the riding mode. P.80

Horn button

Turn signal switch

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

To enable or disable the turn signal automatic cancellation: P.50



Fn Function switch

Used to operate and set the display. P.22

▲ ▼ ◀ ▶ Sel switch

Used to operate and set the display. P.22

Also used to set the riding mode P.80 and to operate the Honda Smartphone Voice Control system P.77.

⚠ Hazard switch

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

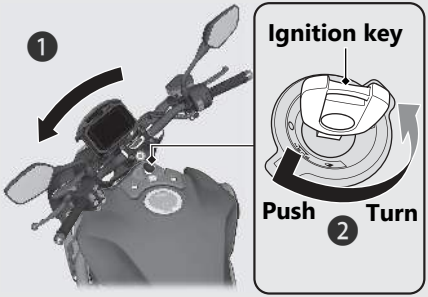
▶ The signals continue flashing with turn the electrical system is off after the hazard switch is on.

Switches *(Continued)*

Steering Lock

Lock the steering when parking to help prevent theft.

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



Locking

1. Turn the handlebar all the way to the left.
2. Push the key down, and turn the ignition switch to the (Lock) position.
   - ► Jiggle the handlebar if the lock is difficult to engage.
3. Remove the key.

Unlocking

Insert the key, push it in, and turn the ignition switch to the (Off) position.

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.

Honda Smartphone Voice Control system *(Continued)*

- 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.

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.61



② Reset the pairing information according to the switch operation guide. P.22

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**

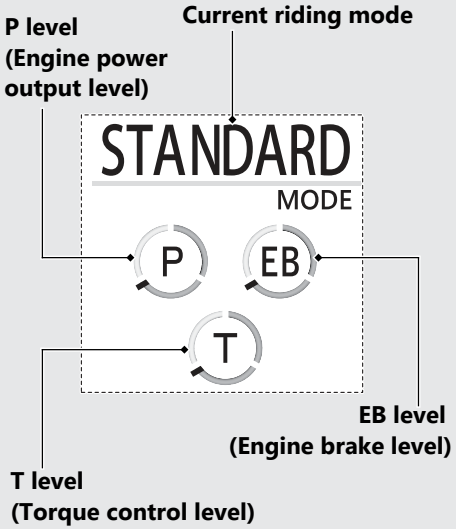
▶ For operation of the application, follow the instruction of the application.

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

Riding mode

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

P: Engine output level
T: Torque control level
EB: Engine brake level



Riding mode has four modes.
Available riding modes: [STANDARD], [RAIN], [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.
[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	T level
STANDARD	2	2	2
RAIN	1	2	3
SPORT	3	1	1
USER	1*1	1*1	1*1, 2

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

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 1.

EB level (Engine brake level)

EB level has three setting levels.

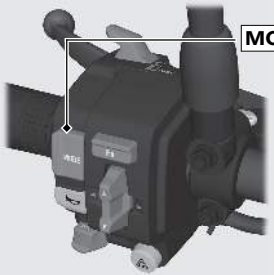
Available setting range: 1 to 3

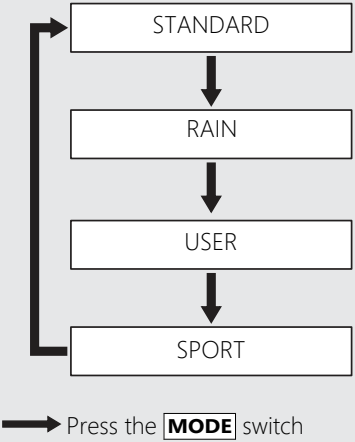
- ▶ Level 1 has the weakest engine braking effect.
- ▶ Level 3 has the strongest engine braking effect.

Selecting the riding mode

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

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





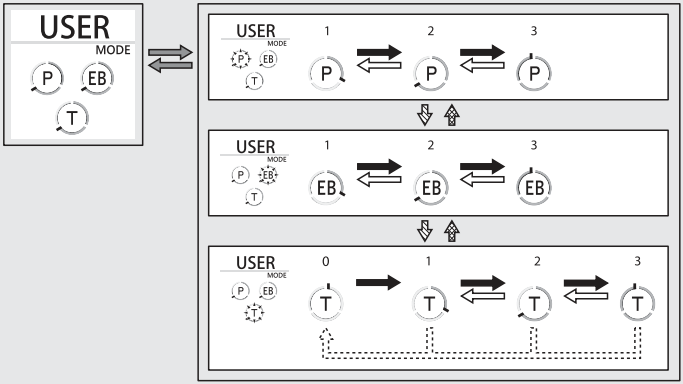
Riding mode *(Continued)*

Setting the riding mode

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

1. Stop the vehicle.
2. Select the USER in the riding mode. P.83
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.
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.42 P.47



Press and hold the **MODE** switch

Push the sel switch in the direction of ▶

Push the sel switch in the direction of ◀

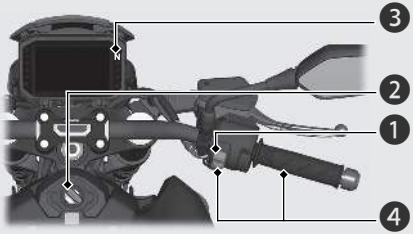
Press ▲ on the sel switch

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.

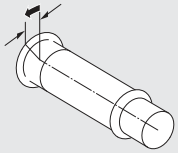


NOTICE

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

1. Make sure the engine stop switch is in the ◯ (Run) position.
2. Turn the ignition switch to the ❙ (On) position.
3. Shift the transmission to Neutral (N indicator comes on). Alternatively, pull in the clutch lever to start your vehicle with the transmission in gear so long as the side stand is raised.
4. Press the start button with the throttle completely closed.
   ► If you cannot start the engine, open the throttle slightly (about 3 mm (0.1 in), without freeplay) and press the start button.

About 3 mm (0.1 in), without freeplay



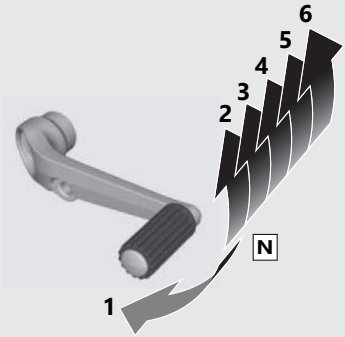
If the engine does not start:

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.142

Shifting Gears

Your vehicle transmission has 6 forward gears in a one-down, five-up shift pattern.



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

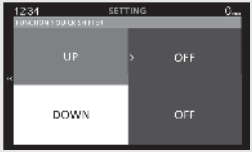
Quick Shifter

II ED, II GS, III KO type

This system enables very quick up and down shifting without clutch and throttle operations.

- ▶ This system does not function when upshifting with the throttle closed.
- ▶ This system functions when the engine speed is more than 1,350 r/min (rpm) on upshifting or more than the idle speed on downshifting.
- ▶ This system does not function when the clutch lever is being operated.

- If "-" is displayed on the gear position indicator, the Quick Shifter system does not operate.
- If the Quick Shifter does not operate normally, the clutch can be used to complete the shift operation.
- The Quick Shifter can be individually turned ON (active) and OFF (deactivate), also the shift pedal load level for activating the Quick Shifter can be adjusted during up and down shifting.



- If the PGM-FI malfunction indicator lamp comes on or the gear position indicator flashes "-" in the current gear position, the Quick Shifter system may not operate. If either of the above occurs, contact your dealer as soon as possible.

To Change the Setting of Quick Shifter

P.42 P.48

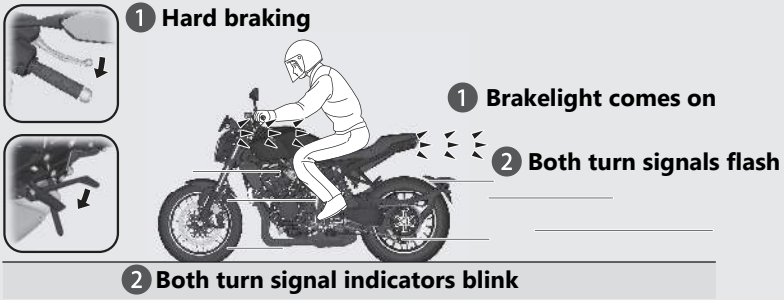
Emergency Stop Signal

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

The emergency stop signal stops operating when:

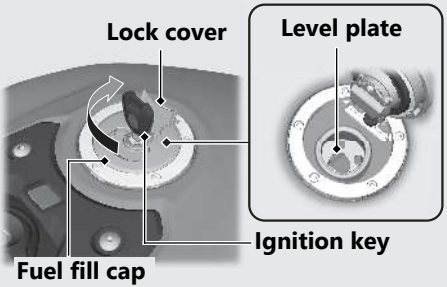
- You release the brakes.
- The ABS is deactivated.
- Your vehicle's decelerating speed becomes moderate.
- You press the hazard switch.

When the system activates:



- The emergency stop signal is not a system that can prevent a possible rear-end collision caused by your hard braking. It is always recommended to avoid hard braking unless it is absolutely necessary.
- The emergency stop signal does not activate 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.

Refuelling



Do not fill with fuel above the level plate.
Fuel type: Unleaded petrol only
Fuel octane number: Your vehicle is designed to use Research Octane Number (RON) 91 or higher.
Tank capacity: 16.2 L (4.28 US gal, 3.56 Imp gal)

Refuelling and Fuel Guidelines P.14

Opening the Fuel Fill Cap

Open the lock cover, insert the ignition key, and turn it clockwise to open the cap.

Closing the Fuel Fill Cap

1. After refuelling, push the fuel fill cap closed until it locks.
2. Remove the key and close the lock cover.
   ► The key cannot be removed if the cap is not locked.

⚠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.

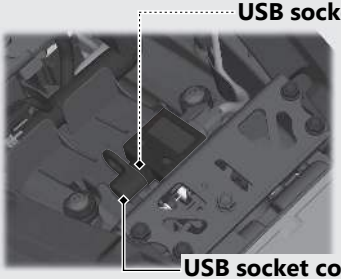
USB Socket

Your vehicle is equipped with the USB socket (for USB Type-C only).
The USB socket is located under the rear seat. P.119
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.
Rated capacity is
15 W (5 V, 3.0 A).

To connect your USB device

1. Remove the rear seat. P.119
2. Remove the USB socket cover.
3. Connect a certified USB cable to the socket.



USB Socket *(Continued)*

- ▶ 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.
- ▶ Carefully secure all connected devices, as vibration may cause damage to them or they could shift unexpectedly.

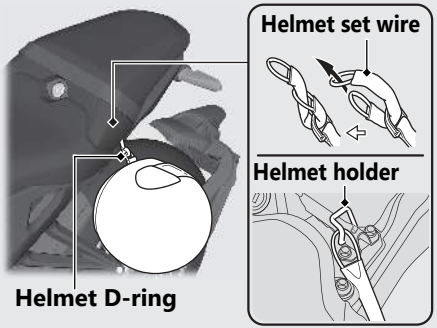
NOTICE

- 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.
- Do not allow the USB cable to become pinched or trapped.
- Do not allow the USB cable to interfere with the steering or controls.

Storage Equipment

Helmet Holder

The helmet holder is located under the rear seat.



► Use the helmet holder only when parked.

Removing the Rear Seat P.119

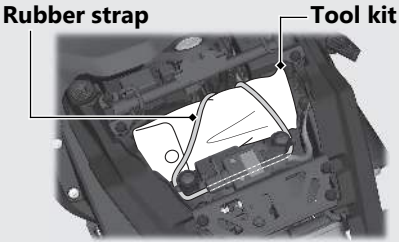
⚠WARNING

Riding with a helmet attached to the holder can interfere with the rear wheel or suspension and could cause 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.

Tool Kit

The tool kit is located under the rear seat by the rubber strap.



Storage Equipment *(Continued)*

Document Bag and Luggage Tie-down Hooks

The document bag and luggage tie-down hooks are located on the underside of the rear seat.





Never use the tie-down hooks to tow or lift the vehicle.

Removing the rear seat P.119

Maintenance

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

Importance of Maintenance ..... P. 98
Maintenance Schedule ..... P. 99
Maintenance Fundamentals ..... P. 104
Tool ..... P. 116
Removing & Installing Body Components ..... P. 117
- Battery ..... P. 117
- Front Seat ..... P. 118
- Rear Seat ..... P. 119
- Single Seat Cowl ..... P. 120

Engine Oil ..... P. 121
Coolant ..... P. 123
Brakes ..... P. 125
Side Stand ..... P. 128
Drive Chain ..... P. 129
Clutch ..... P. 131
Throttle ..... P. 134
Other Adjustments ..... P. 135
- Adjusting the Brake Lever ..... P. 135
- Adjusting the Front Suspension ..... P. 136
- Adjusting the Rear Suspension ..... P. 139

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. 99

⚠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 remove the key.
- Place your vehicle on a firm, level surface using the side 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.

European direct sales, Hong Kong, Korea, Australia, New Zealand

Items		Pre-ride Check ➡ P. 104	Frequency*1						Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	12	24	36	48			
			× 1,000 mi	0.6	8	16	24	32			
Fuel Line	🔧				I	I	I	I	I		–
Fuel Level		I									92
Throttle Operation	🔧	I			I	I	I	I	I		134
Air Cleaner *2	🔧					R		R			–
Crankcase Breather *3					C	C	C	C			–
Spark Plug	🔧					I		R			–
Valve Clearance	🔧						I				–
Engine Oil		I		R	R	R	R	R	R		–
Engine Oil Filter				R		R		R			–
Engine Idle Speed	🔧				I	I	I	I	I		–
Radiator Coolant *4		I			I	I	I	I	I	3 Years	123
Cooling System	🔧				I	I	I	I	I		–
Secondary Air Supply System	🔧					I		I			–
Evaporative Emission Control System	🔧					I		I			–

Maintenance Level

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

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

Maintenance Legend

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

Items		Pre-ride Check ➡ P. 104	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								129
Drive Chain Slider					I	I	I	I			–
Brake Fluid *4		I			I	I	I	I	I	2 Years	125
Brake Pads Wear		I			I	I	I	I	I		126
Brake System					I	I	I	I	I		104
Brakelight Switch					I	I	I	I	I		127
Headlight Aim					I	I	I	I	I		–
Lights/Horn		I									–
Engine Stop Switch		I									–
Clutch System		I			I	I	I	I	I		131
Side Stand		I			I	I	I	I	I		128
Suspension					I	I	I	I	I		136
Nuts, Bolts, Fasteners					I	I	I	I	I		–
Wheels/Tyres		I			I	I	I	I	I		113
Steering Head Bearings					I	I	I	I	I		–

Notes:

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

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

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

*4 : Replacement requires mechanical skill.

Continued

GCC Countries

Items		Pre-ride Check ➔ P. 104	Frequency*1 × 1,000 km	1	6	12	18	24	30	36	Annual Check	Regular Replace	Refer to page
			× 1,000 mi	0.6	4	8	12	16	20	24			
Fuel Line	🔧					I		I		I	I		–
Fuel Level		I											92
Throttle Operation	🔧	I				I		I		I	I		134
Air Cleaner *2	🔧						R			R			–
Crankcase Breather *3					C	C	C	C	C	C			–
Spark Plug	🔧		Every 24,000 km (16,000 mi): I, Every 48,000 km (32,000 mi): R										–
Valve Clearance	🔧									I			–
Engine Oil		I		R		R		R		R	R		–
Engine Oil Filter				R				R					–
Engine Idle Speed	🔧					I		I		I	I		–
Radiator Coolant *4		I				I		I		I	I	3 Years	123
Cooling System	🔧					I		I		I	I		–
Secondary Air Supply System	🔧							I					–
Evaporative Emission Control System	🔧							I					–

Maintenance Level

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

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

Maintenance Legend

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

Items		Pre-ride Check ➡ P. 104	Frequency*1 × 1,000 km	1	6	12	18	24	30	36	Annual Check	Regular Replace	Refer to page
			× 1,000 mi	0.6	4	8	12	16	20	24			
Drive Chain		I	Every 1,000 km (600 mi): I L										129
Drive Chain Slider						I		I		I			–
Brake Fluid *4		I			I	I	I	I	I	I	I	2 Years	125
Brake Pads Wear		I			I	I	I	I	I	I	I		126
Brake System						I		I		I	I		104
Brakelight Switch						I		I		I	I		127
Headlight Aim						I		I		I	I		–
Lights/Horn		I											–
Engine Stop Switch		I											–
Clutch System		I			I	I	I	I	I	I	I		131
Side Stand		I				I		I		I	I		128
Suspension						I		I		I	I		136
Nuts, Bolts, Fasteners						I		I		I	I		–
Wheels/Tyres		I				I		I		I	I		113
Steering Head Bearings						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.

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. 92
- Throttle - Check for smooth opening and full closing in all steering positions. ➔ P. 134
- Engine oil level - Add engine oil if necessary. Check for leaks. ➔ P. 121
- Coolant level - Add coolant if required. Check for leaks. ➔ P. 123
- Drive chain - Check condition and slack, adjust and lubricate if necessary. ➔ P. 129
- Brakes - Check operation; Front and Rear: check brake fluid level and pads wear. ➔ P. 125, ➔ P. 126
- Lights and horn - Check that lights, indicators and horn function properly.
- Engine stop switch - Check for proper function. ➔ P. 72
- Clutch - Check operation; Adjust freeplay if necessary. ➔ P. 131
- Side stand ignition cut-off system - Check for proper function. ➔ P. 128
- Wheels and tyres - Check condition, air pressure and adjust if necessary. ➔ P. 113

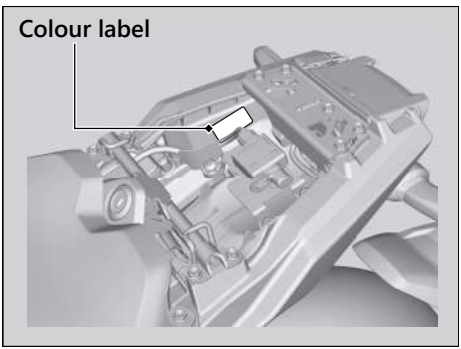
Replacing Parts

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

Except GS, II GS type

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

The colour label is attached to the under the rear seat. P. 119



⚠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.

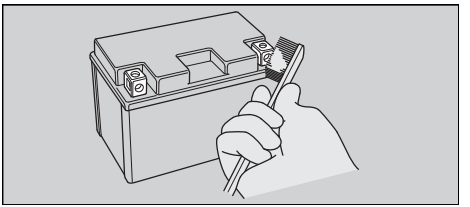
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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. 117
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

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



4. After cleaning, reinstall the battery.

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

NOTICE

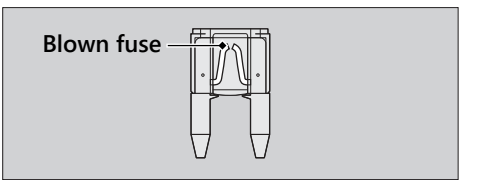
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

Fuses

Fuses protect the electrical circuits on your vehicle. If something electrical on your vehicle stops working, check for and replace any blown fuses. ➡ P. 153

Inspecting and Replacing Fuses

Turn the ignition switch to the ○ (Off) position to remove and inspect fuses. If a fuse is blown, replace with a fuse of the same rating. For fuse ratings, see "Specifications." ➡ P. 178



NOTICE

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

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

Engine Oil

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

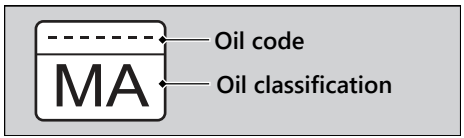
Selecting the Engine Oil

For recommended engine oil, see "Specifications." P. 177

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

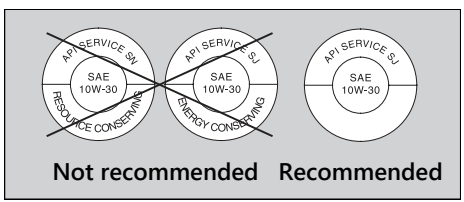
- JASO T 903 standard*1: MA
- SAE standard*2: 10W-30
- API classification*3: SG or higher

*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.

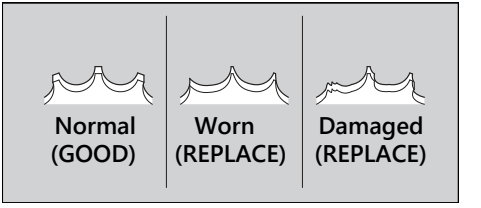
Recommended brake fluid:
Honda DOT 4 Brake Fluid or equivalent

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. 129

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.

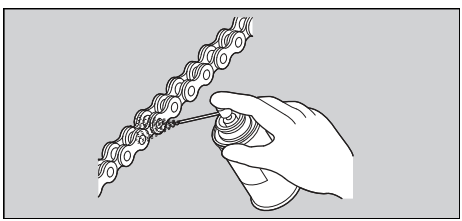


NOTICE
Use of a new chain with worn sprockets will cause rapid chain wear.

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

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

Concentration:
50% antifreeze and 50% distilled water

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

Hong Kong
Use only genuine HONDA PRE-MIX COOLANT without diluting with water. Genuine HONDA PRE-MIX COOLANT is excellent at preventing corrosion and overheating. The coolant should be inspected and replaced properly by following the maintenance schedule. ➔P. 99

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

Crankcase Breathers

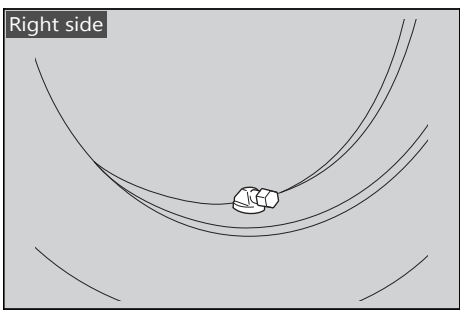
Service more frequently when riding in rain, at full throttle, or after the vehicle is washed or overturned. Service if the deposit level can be seen in the transparent section of the drain tube.
If the drain tube overflows, the air filter may become contaminated with engine oil causing poor engine performance.

Tyres (Inspecting/Replacing)

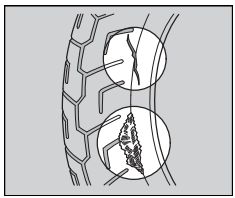
Checking the Air Pressure

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.

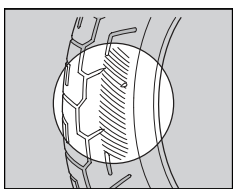


Inspecting for Damage



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

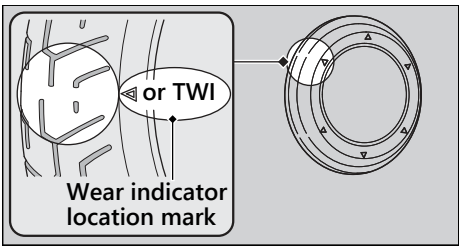


Inspect the tyres for signs of abnormal wear on the contact surface.

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.

Have your tyres replaced by your dealer.
For recommended tyres, air pressure and minimum tread depth, see “Specifications.”
P. 177
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.

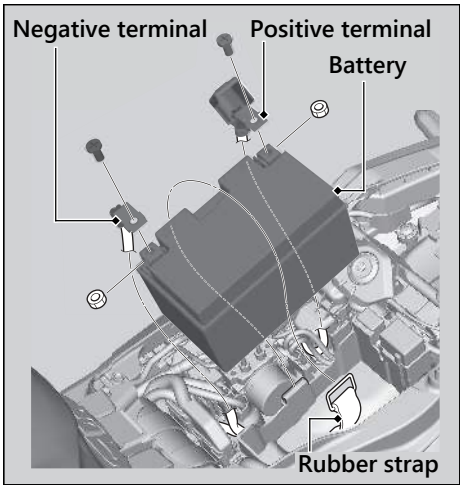
Tool

The tool kit is stored under the rear seat.
➔P. 119

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

- Standard/Phillips screwdriver
- Screwdriver handle
- 12 × 14 mm Open end wrench
- 10 × 14 mm Open end wrench
- 6 mm Hex wrench
- Fuse puller
- Pin spanner
- Extension bar
- Helmet set wire
- BFR adjuster

Battery



Removal

Make sure the ignition switch is in the ○ (Off) position.

1. Remove the front seat. ➡ P. 118
2. Unhook the rubber strap from right side.
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.

Installation

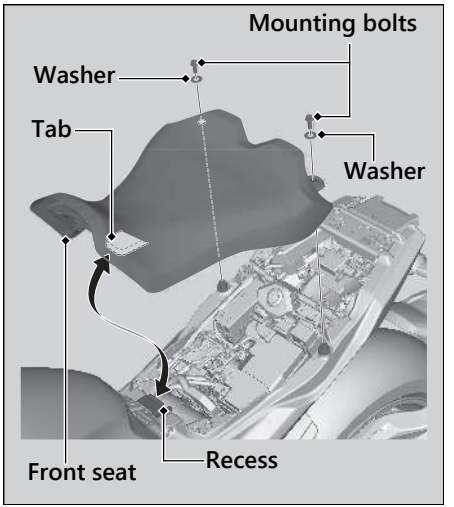
Install the parts in the reverse order of removal.

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. 57

For proper handling of the battery, see
"Maintenance Fundamentals." ➡ P. 106
"Battery Goes Dead." ➡ P. 152

Front Seat



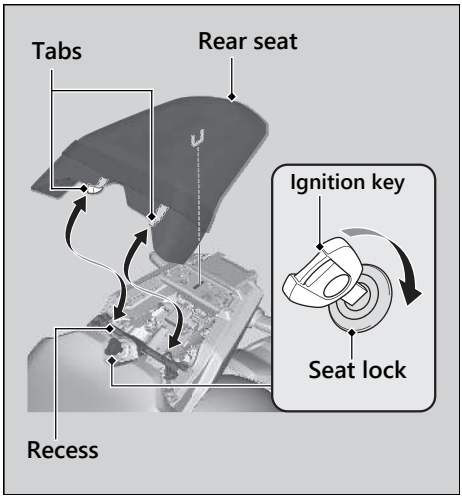
Removal

1. Remove the rear seat. P. 119
2. Remove the mounting bolts and washers, and then pull the front seat back and up.

Installation

1. Install the front seat while inserting the tab into the recess.
2. Install the washers and mounting bolts.
3. Tighten the mounting bolts securely. Make sure that the seat is locked securely in position by pulling it up lightly.

Rear Seat



Removal

1. Insert the ignition key into the seat lock.
2. Turn the ignition key clockwise, then pull the rear seat up and back.

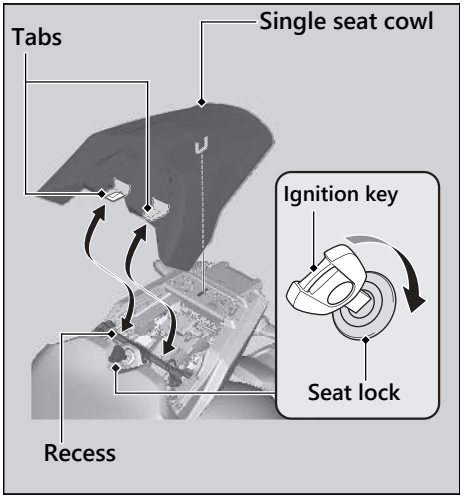
Installation

1. Insert the tabs into the recess.
2. Push down on the rear of the rear seat.
   ▶ Make sure that the seat is locked securely in position by pulling it up lightly.

The seat locks automatically when closed. Take care not to lock your key in the compartment under the rear seat.

Single Seat Cowl

II ED, II GS type only



Removal

1. Insert the ignition key into the seat lock.
2. Turn the ignition key clockwise, then pull the single seat cowl up and back.

Installation

1. Insert the tabs into the recess.
2. Push down on the rear of the single seat cowl.
   ▶ Make sure that the single seat cowl is locked securely in position by pulling it up lightly.

The single seat cowl locks automatically when closed.

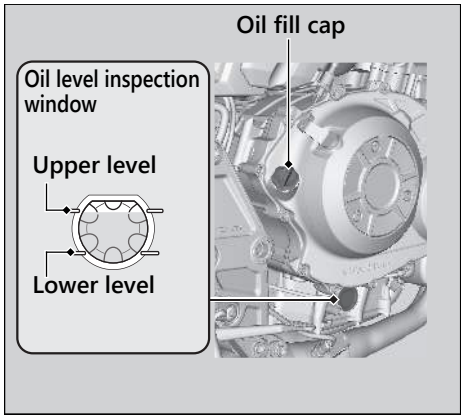
Take care not to lock your key in the compartment under the single seat cowl.

NOTICE

Never carry a passenger when the single seat cowl is installed. The single seat cowl was not designed to carry a passenger.

Checking the Engine Oil

1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch to the ○ (Off) position and wait for 2 to 3 minutes.
3. Place your vehicle in an upright position on a firm, level surface.
4. Check that the oil level is between the upper level and lower level marks on the oil level inspection window.



Adding Engine Oil

If the engine oil is below or near the lower level mark, add the recommended engine oil.
➡ P. 109, ➡ P. 177

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

2. Securely reinstall the oil fill cap.

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

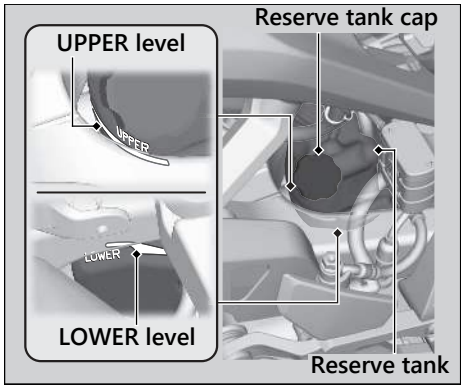
For the recommended oil and oil selection guidelines, see "Maintenance Fundamentals."
➡ P. 109

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

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

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

⚠WARNING

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

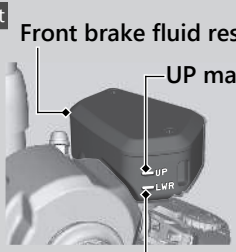
Always let the engine and radiator cool down before removing the radiator cap.

Checking Brake Fluid

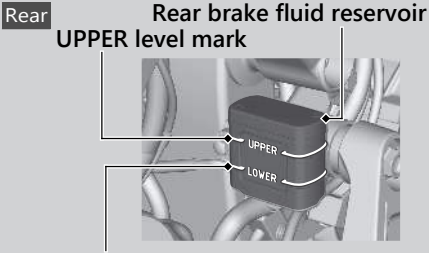
1. Place your vehicle in an upright position on a firm, level surface.
2. Front Check that the brake fluid reservoir is horizontal and that the fluid level is between the LWR and UP marks.
   Rear Check that the brake fluid reservoir is horizontal and that the fluid level is between the LOWER level and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

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

Front



Rear

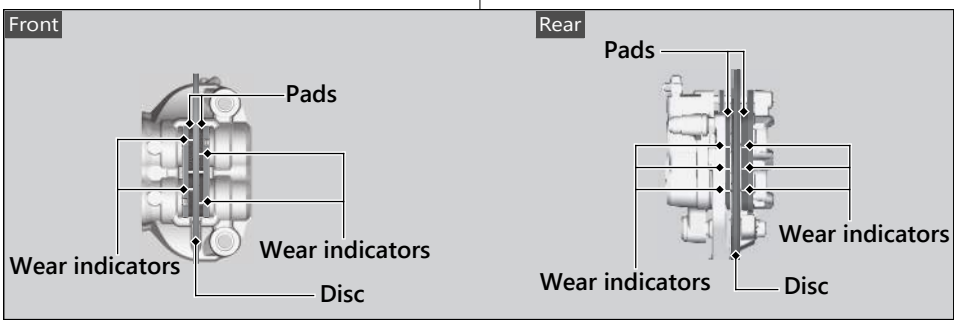


Inspecting the Brake Pads

Check the condition of the brake pad wear indicators.
The pads need to be replaced if a brake pad is worn to the bottom of the indicator.

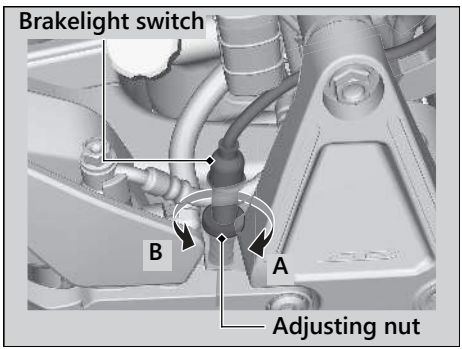
1. Front Inspect the brake pads from in front of the brake caliper.
   ▶ Always inspect both left and right brake calipers.
2. Rear Inspect the brake pads from the right side of the rear tyre.

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

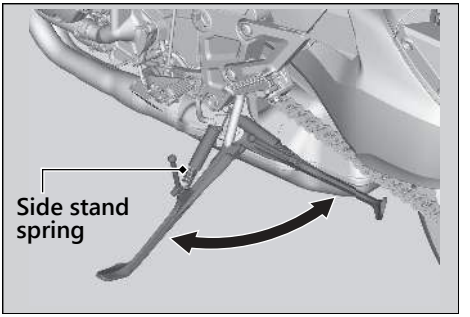


Adjusting the Brakelight Switch

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



Checking the Side Stand



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

Inspecting the Drive Chain Slack

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

Have the chain inspected by your dealer.

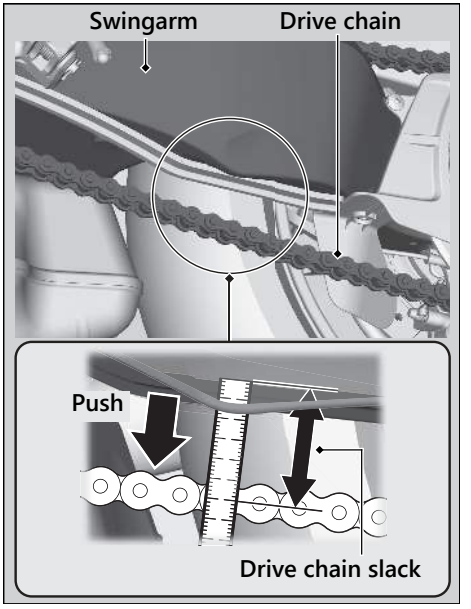
1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its side stand on a firm, level surface.
3. Check the slack in the lower half of the drive chain midway between the sprockets.
   ▶ Push the lower part of the drive chain down and check the chain slack between the drive chain and swingarm at the lower end of the swingarm.

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 (2.1 in).



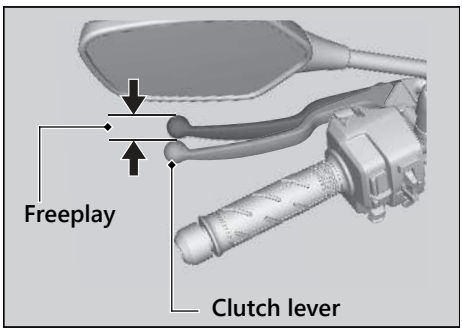
4. Roll the vehicle forward and check that the chain moves smoothly.
5. Inspect the sprockets. ➡ P. 110
6. Clean and lubricate the drive chain. ➡ P. 111

Checking the Clutch

Checking the Clutch Lever Freeplay

Check the clutch lever freeplay.

Freeplay at the clutch lever:
10 - 20 mm (0.4 - 0.8 in)



Check the clutch cable for kinks or signs of wear. If necessary have it replaced by your dealer.

Lubricate the clutch cable with a commercially available cable lubricant to prevent premature wear and corrosion.

NOTICE

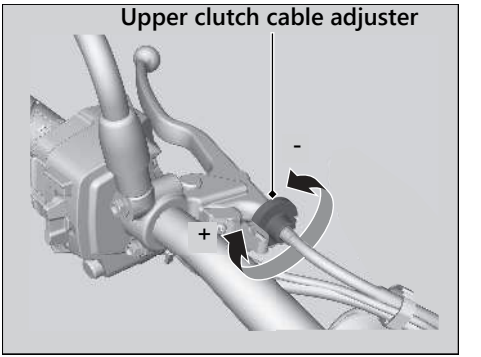
Improper freeplay adjustment can cause premature clutch wear.

Adjusting the Clutch Lever Freeplay

Upper Adjustment

Attempt adjustment with the upper clutch cable adjuster first.

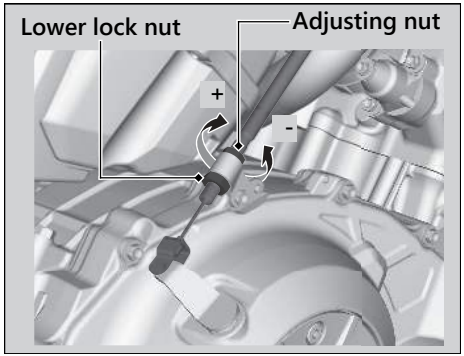
Turn the clutch cable adjuster until the freeplay is 10 - 20 mm (0.4 - 0.8 in).



Lower Adjustment

If the upper clutch cable adjuster is threaded out near its limit, or the correct freeplay cannot be obtained, attempt adjustment with the lower clutch cable adjusting nut.

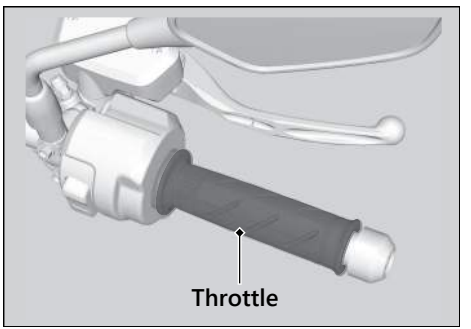
1. Turn the upper clutch cable adjuster all the way in (to provide maximum freeplay).
2. Loosen the lower lock nut.
3. Turn the adjusting nut until the clutch lever freeplay is 10 - 20 mm (0.4 - 0.8 in).
4. Tighten the lower lock nut and check the clutch lever freeplay.
5. Start the engine, pull the clutch lever in, and shift into gear. Make sure the engine does not stall and the vehicle does not creep. Gradually release the clutch lever and open the throttle. Your vehicle should move smoothly and accelerate gradually.



If proper adjustment cannot be obtained or the clutch does not work correctly, see your dealer.

Checking the Throttle

With the engine off, check that the throttle rotates smoothly from fully closed to fully open. If the throttle does not move smoothly, 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.

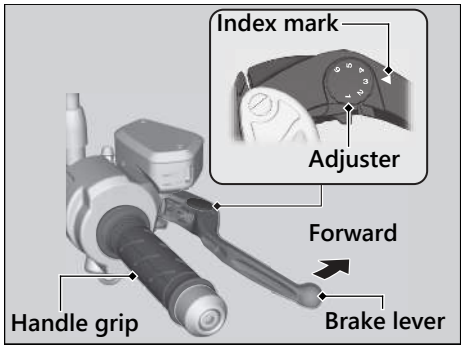
Adjustment method

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

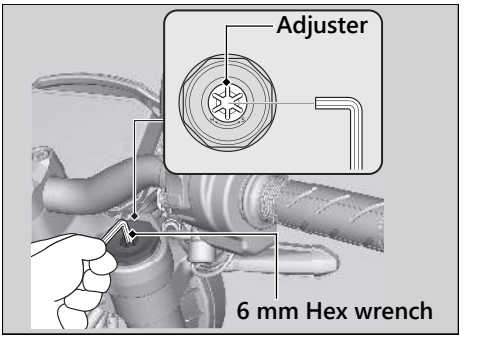
Do not turn the adjuster beyond its natural limit.



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 6 mm Hex wrench provided in the tool kit. P. 116
The spring preload adjuster has 20 turns. Turn clockwise to increase spring preload (hard), or turn counterclockwise to decrease spring preload (soft). The standard position is the 7 turns from the full soft position.



NOTICE
Do not turn the adjuster beyond its limits.

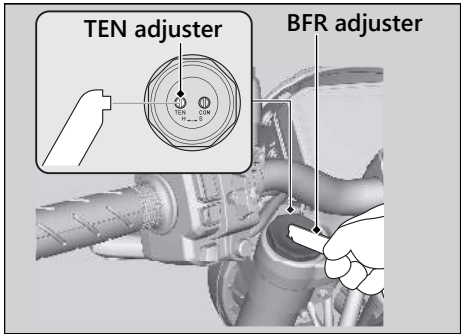
Rebound Damping

You can adjust the rebound damping by the TEN adjuster to suit the load or the road surface.

Turn the adjuster using the BFR adjuster provided in the tool kit. P. 116

The TEN adjuster has 5 1/2 turns.

Turn clockwise to increase rebound damping (hard), or turn counterclockwise to decrease rebound damping (soft). The standard position is 5 turns from the full hard position.



NOTICE

Do not turn the adjuster beyond its limits.

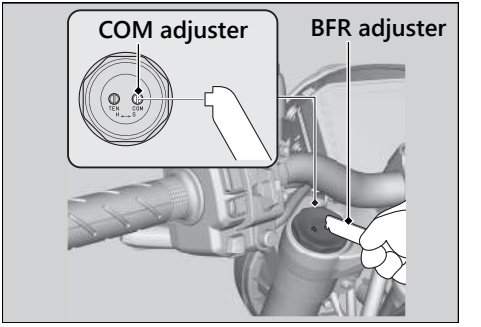
Compression Damping

You can adjust the compression damping by the COM adjuster to suit the load or the road surface.

Turn the adjuster using the BFR adjuster provided in the tool kit. ➔P. 116

The COM adjuster has 7 turns.

Turn clockwise to increase compression damping (hard), or turn counterclockwise to decrease compression damping (soft). The standard position is 5 3/4 turns from the full hard position.



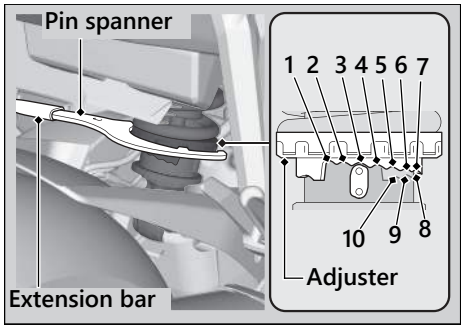
NOTICE

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. 116
The preload adjuster has 10 positions. Positions 1 to 2 are for a decrease spring preload (soft), or turn the position 4 to 10 increase spring preload (hard). The standard position is 3.



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.

Rebound Damping

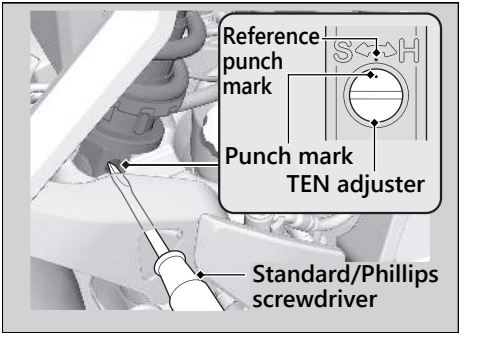
You can adjust the rebound damping by the TEN adjuster to suit the load or the road surface.

Turn the adjuster using the Standard/Phillips screwdriver provided in the tool kit. P. 116

The TEN adjuster has 3 turns.

Turn clockwise to increase rebound damping (hard), or turn counterclockwise to decrease rebound damping (soft).

The standard position is 1 3/4 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.

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.

Troubleshooting

Engine Will Not Start (HISS indicator stays on) ..... P. 142
Overheating (High coolant temperature indicator is on) ..... P. 143
Warning Indicators On or Flashing ..... P. 144
Low Oil Pressure Indicator ..... P. 144
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 145
ABS (Anti-lock Brake System) Indicator ..... P. 146
Torque Control Indicator ..... P. 147
Other Warning Indications ..... P. 148
Fuel Gauge Failure Indication ..... P. 148
Tyre Puncture ..... P. 149
Smartphone Pairing Trouble ..... P. 150
Electrical Trouble ..... P. 152
Battery Goes Dead ..... P. 152
Burned-out Light Bulb ..... P. 152
Blown Fuse ..... P. 153

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. P. 86
- 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.
- Check if the HISS indicator stays on.
  - ▶ Turn the ignition switch to the ○ (Off) position and remove the key. Reinsert the key and turn the ignition switch to the | (On) position. If the indicator still stays on, check the following:
    Check if there is no another HISS key (including spare key) close to the ignition switch.
    Check if there are no any metallic seals or stickers on the key.
    If the HISS indicator still stays on, have your vehicle inspected by your dealer.

Starter Motor Does Not Operate

Check the following items:

- Check the correct engine starting sequence. P. 86
- Make sure engine stop switch is in the ⟳ (Run) position. P. 72
- Check for a blown fuse. P. 153
- Check for a loose battery connection (P. 117) or battery terminal corrosion (P. 106).
- Check the condition of the battery. P. 152

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 turn the ignition switch to the ▌ (On) position.
2. Check that the radiator fan is operating, and then turn the ignition switch to the ○ (Off) position.
   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 ignition switch in the ○ (Off) position.
3. After the engine has cooled, inspect the radiator hose and check if there is a leak. ➡ P. 123
   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. 123
   ▶ 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. 121, ➔ P. 122
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)

GS, II GS, U type

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

ED, II ED, KO, III KO type

Reasons for the indicator lamp to come on or blink

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

What to do when the indicator lamp comes on

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

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 ignition switch is in the | (On) position.
- Indicator does not go off at speeds above 10 km/h (6 mph).

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

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

Torque Control Indicator

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

- Indicator comes and stays on (solid) while riding.
- Indicator does not come on when the ignition switch is turned to the ❙ (On) position.
- Indicator does not go off at speeds above 5 km/h (3 mph).

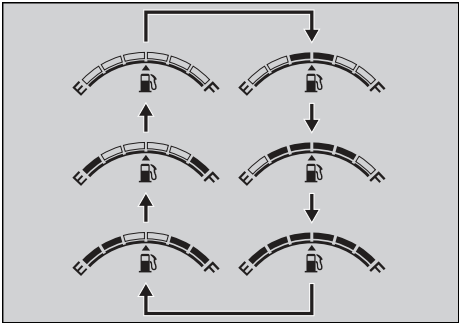
Even when the Torque Control indicator is on, your vehicle will have normal riding ability without Torque Control function.

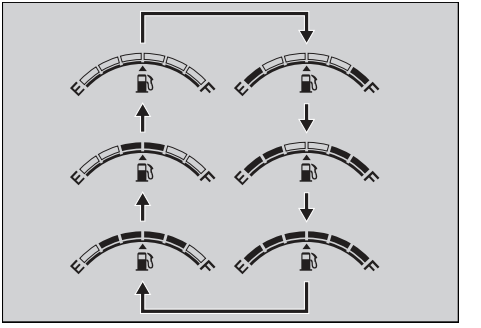
▶ When the indicator comes on while the Torque Control is in operation, you will have to completely close the throttle to regain normal riding ability.

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 ignition switch to the ○ (Off) position, and then to the ❙ (On) position again. The Torque Control indicator will go off after your speed reaches 5 km/h (3 mph).

Fuel Gauge Failure Indication

If the fuel system has an error, the fuel gauge indicators will be displayed as shown in the illustrations.
If these occur, see your dealer as soon as possible.





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. 79
	Check your surroundings to make sure no other device being paired is present before re-pairing. Presence of a *Bluetooth*® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	When connecting a smartphone, make sure no other *Bluetooth*® device readied for pairing is present. Presence of a *Bluetooth*® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	Check that the vehicle pairing information is deleted from your smartphone *Bluetooth*® setting. Depending on the smartphone used, connecting may not be possible unless the pairing information is deleted.

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

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

Battery Goes Dead

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

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

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

Burned-out Light Bulb

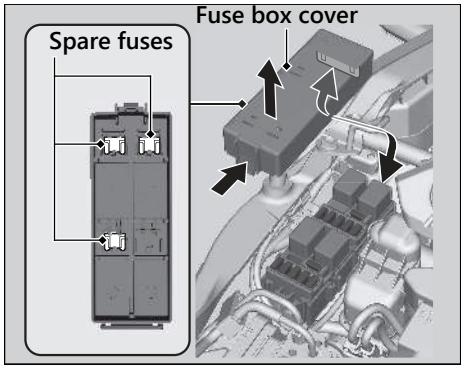
All light bulbs on the vehicle are LEDs. If there is an LED which is not turned on, see your dealer for servicing.

Blown Fuse

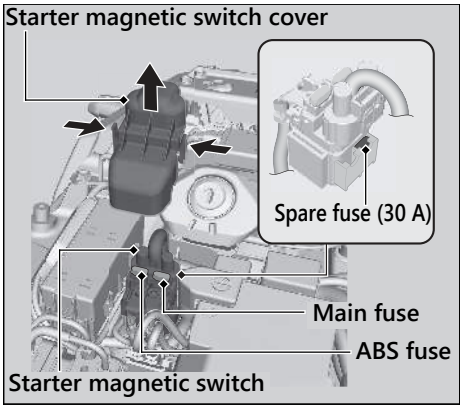
Before handling fuses, see "Inspecting and Replacing Fuses." ➡P. 108

Fuse Box Fuses

1. Remove the front seat. ➡P. 118
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.
4. Reinstall the fuse box cover.
5. Reinstall the front seat.



Main Fuse & ABS Fuse



1. Remove the front seat. P. 118
2. Disconnect the negative ⊖ terminal from the battery. P. 117
3. Remove the starter magnetic switch cover.
4. Pull the main fuse and ABS fuse out one by one and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
5. Reinstall parts in the reverse order of removal.

NOTICE

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

Information

Service Diagnostic Recorders ..... P. 156
Keys ..... P. 157
Instruments, Controls, & Other Features ... P. 158
Caring for Your Vehicle ..... P. 165
Storing Your Vehicle ..... P. 170
Transporting Your Vehicle ..... P. 171
You & the Environment ..... P. 171
Serial Numbers ..... P. 173
Fuels Containing Alcohol ..... P. 174
Catalytic Converter ..... P. 175

Service Diagnostic Recorders

ED, II ED, KO, III KO type

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

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

Keys

Ignition Key

This vehicle has two ignition keys and a key tag with a key number and a bar code.

The ignition key contains a special coded chip that is recognized by the immobilizer system (HISS) in order to start the engine. Handle the key carefully to prevent damaging the HISS components.

- Do not bend keys or subject them to undue stress.
- Avoid prolonged exposure to sunlight or high temperatures.
- Do not grind, drill or in any way alter their shape.
- Do not expose to strong magnetic objects.

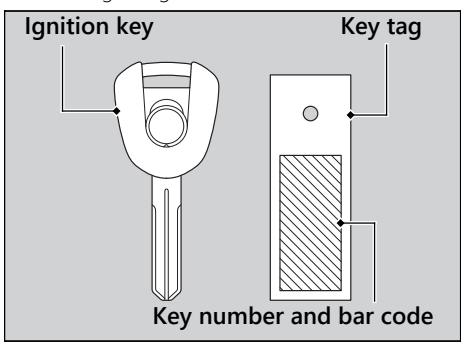
If you lose all ignition keys and the key tag, the PGM-FI unit/ignition control module must be replaced by your dealer. To avoid this, keep a duplicate key.

If you lose a key, make another duplicate key immediately.

To make a duplicate key and register it with your HISS system, take the spare key, the key tag, and the vehicle to your dealer.

► Store the key tag in a safe location.

A metal key holder may cause damage to the area surrounding the ignition switch.



Instruments, Controls, & Other Features

Ignition Switch

Leaving the ignition switch in the ▌(On) position with the engine stopped will drain the battery. Do not turn the key while riding.

Engine Stop Switch

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

If you stop the engine using the engine stop switch, turn the ignition switch to the ○ (Off) position. Failing to do so will drain the battery.

Odometer

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

Tripmeter

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

HISS

The Honda Ignition Security System (HISS) immobilizes the engine's ignition system if an improperly-coded key is used to try and start the engine. When the ignition switch is turned to the ○ (Off) position, the HISS immobilizer system is always alert, even if the HISS indicator is not flashing.

If the ignition switch is turned to the ❙ (On) position with the engine stop switch in the ⟳ (Run) position, the HISS indicator turns on and goes off after a few seconds to indicate it is OK to start the engine. **HISS Indicator Does Not Turn off** P. 142

The HISS indicator starts flashing every 2 seconds for 24 hours after the ignition switch is turned to the ○ (Off) position. You can turn this feature on or off. P. 51

EU Directive

This immobilizer 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.

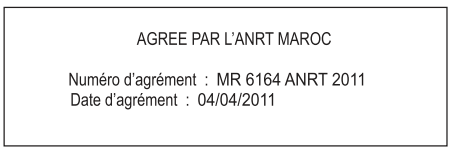
South Africa only



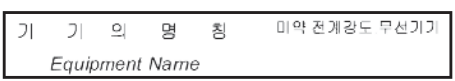
Singapore only



Morocco only



Korea only



Argentina only

CNC H-16919

UAE only

TRA
REGISTERED No:
ER44540/16
DEALER No:
DA0046049/10

Oman only

OMAN-TRA
TA-R/3085/16
D090024

Document Bag

The owner's manual, registration, and insurance information can be stored in the plastic document bag located underside of the rear seat. P. 119

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 ignition switch to the ○ (Off) position and back to the | (On) position before the engine can be restarted.

Honda Smartphone Voice Control system

Argentina only



C-25508

Australia only



Korea only



인증번호: R-R-VC1-2WCluster
인증 받은 자의 상호: Visteon Corporation
기자재의 명칭/ 모델명: 2W Cluster
제조연월일: 별도표기
제조자/제조국가: Visteon/USA

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México only

Homologation by IFETEL ID: RCPVI2W20-2515

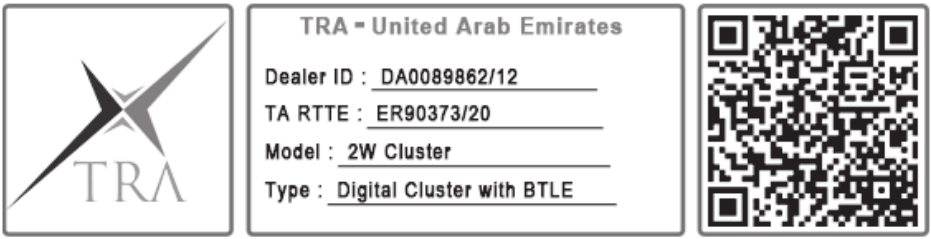
Certification By : NYCE



'La operación de este equipo está sujeta a las siguientes dos condiciones:
(1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada'.

a) Lea el Manual antes de operar o usar el Equipo.
b) Importador: Honda De Mexico, S.A. De C.V.
c) Marca: Visteon Corporation / Nombre del Modelo: 2W Cluster
d) Especificaciones Electricas:
Supply voltage: 13,2V (Vcc)
Supply current: 200 mA
Frequency: 2.4 GHz

UAE only



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Assist-slipper Clutch System

The assist-slipper clutch system helps to prevent the rear tyre from locking up when the deceleration of your vehicle produces a strong engine braking effect. It also makes the clutch lever operation feel lighter.

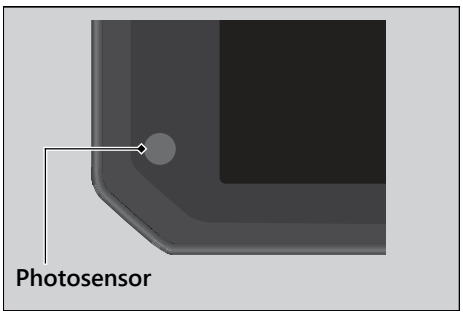
Use only MA classification engine oil for your vehicle. Using engine oil other than MA classification oil could result in damage to the assist-slipper clutch system.

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.

Automatic Brightness Control

The backlight brightness of the mater will be controlled automatically when "Auto" is selected on the backlight brightness setting.
Ambient brightness is detected by the photosensor.
Do not damage or cover the photosensor. Otherwise, the automatic brightness 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 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.

Continued

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.

Aluminium Components

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

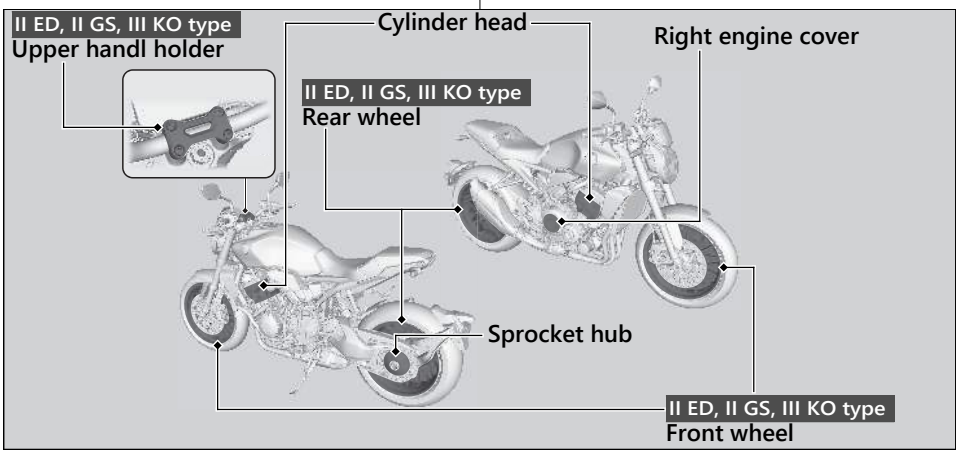
- Do not use stiff brushes, steel wool, or cleaners containing abrasives.
- Avoid riding over or scraping against curbs.

Continued

Part of Non-Surface Treated

The items of below illustration contain part of non-surface treated.
To avoid corroision and discolouration, apply a coat of wax not including abrasives.
If the non-surface treated parts have corroded, polish them using a wax including abrasives.

- Do not clean the painted parts using the wax including abrasives.
- Do not use stiff brushes, steel wool, or sand paper.
- Do not use strongly acidic or strongly alkaline detergent.



Panels

Follow these guidelines to prevent scratches and blemishes:

- Wash gently using a soft sponge and plenty of water.
- To remove stubborn stains, use diluted detergent and rinse thoroughly with plenty of water.
- Avoid getting petrol, brake fluid, or detergents on the instruments, panels, or headlight.

Exhaust Pipe and Muffler

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

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

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

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.

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. 110
- Place your vehicle on a maintenance stand and position a block so that both tyres are off the ground.
- After rain, remove the body cover and allow the vehicle to dry.
- Remove the battery (➡ P. 117) to prevent discharge. Fully charge the battery and then place it in a shaded, well-ventilated area.
  ▶ If you leave the battery in place, disconnect the negative ⊖ terminal to prevent discharge.

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

Transporting Your Vehicle

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

NOTICE

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

You & the Environment

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

Choose Sensible Cleaners

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

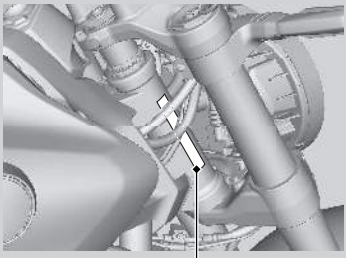
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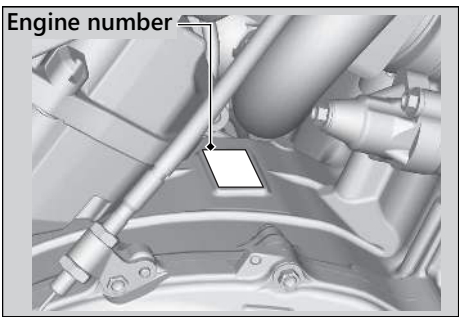
Recycle Wastes

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. You should record these numbers and keep them in a safe place.





Fuels Containing Alcohol

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

The following fuel blends can be used in your vehicle:

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

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

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

NOTICE

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

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

Catalytic Converter

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

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

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

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

■ Main Components

Overall length	2,120 mm (83.5 in)	
Overall width	Except KO, III KO type	789 mm (31.1 in)
	KO, III KO type	790 mm (31.1 in)
Overall height	1,090 mm (42.9 in)	
Wheelbase	1,455 mm (57.3 in)	
Minimum ground clearance	135 mm (5.3 in)	
Caster angle	25° 0′	
Trail	100 mm (3.9 in)	
Curb weight	ED, U, GS type	213 kg (470 lb)
	II ED, II GS type	214 kg (472 lb)
	KO, III KO type	215 kg (474 lb)
Maximum weight capacity *1	Except KO, III KO type	188 kg (414 lb)
	KO, III KO type	168 kg (370 lb)
Maximum luggage weight *2	27 kg (60 lb)	
Passenger capacity	Rider and 1 passenger	
Minimum turning radius	3.0 m (9.8 ft)	
Displacement	998 cm³ (60.9 cu-in)	
Bore x stroke	75.0 x 56.5 mm (2.95 x 2.22 in)	
Compression ratio	11.6:1	
Fuel	Unleaded petrol 91 RON or higher	
Fuel containing alcohol	ETHANOL up to 10 % by volume	
Tank capacity	16.2 L (4.28 US gal, 3.56 Imp gal)	
Battery	YTZ10S 12 V-8.6 Ah (10 HR) / 12 V-9.1 Ah (20 HR)	
Gear ratio	1st	2.538
	2nd	1.941
	3rd	1.578
	4th	1.363
	5th	1.217
	6th	1.115
Reduction ratio (primary / final)	1.604 / 2.933	

*1 : Including rider, passenger, all luggages, and accessories
*2 : Includes the weight of the luggage and added accessories.

Service Data

Tyre size	Front	120/70ZR17M/C (58W)
	Rear	190/55ZR17M/C (75W)
Tyre type		Radial, tubeless
Recommended Tyre	Front	Except GS, II GS type MICHELIN POWER 5
		PIRELLI DIABLO ROSSO III E
	Rear	Except GS, II GS type MICHELIN POWER 5
		PIRELLI DIABLO ROSSO III E
Tyre category of use *1	Normal	Permitted
	Special	Not Permitted
	Snow	Not Permitted
	Moped	Not Permitted
Tyre air pressure	Front	250 kPa (2.50 kgf/cm², 36 psi)
	Rear	290 kPa (2.90 kgf/cm², 42 psi)
Minimum tread depth	Front	1.5 mm (0.06 in)
	Rear	2.0 mm (0.08 in)
Spark plug	(standard)	IMR9E-9HES (NGK) or VUH27ES (DENSO)
Spark plug gap		0.8 - 0.9 mm (0.03 - 0.04 in)
Idle speed		1,200 ± 100 rpm

*1: EU regulation

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	2.6 L (2.7 US qt, 2.3 Imp qt)
	After draining & engine oil filter change	2.9 L (3.1 US qt, 2.6 Imp qt)
	After disassembly	3.5 L (3.7 US qt, 3.1 Imp qt)
Recommended brake fluid	Honda DOT 4 Brake Fluid	
Cooling system capacity	2.75 L (2.91 US qt, 2.42 Imp qt)	
Recommended coolant	Pro Honda HP Coolant Hong Kong HONDA PRE-MIX COOLANT	
Recommended drive chain lubricant	Drive chain lubricant designed specifically for O-ring chains If not available, use SAE 80 or 90 gear oil.	
Drive chain slack	45 - 50 mm (1.8 - 2.0 in)	
Standard drive chain	RK525ROZ7	
	No. of links	116
Standard sprocket size	Drive sprocket	15T
	Driven sprocket	44T

Bulb

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

Fuse

Main fuse	30 A
Other fuse	30 A, 15 A, 10 A, 7.5 A

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