

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

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

Welcome

Congratulations on your purchase of a new Honda motorcycle. 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 motorcycle.

- The following codes in this manual indicate each country.
- The illustrations here in are based on the CTX1300A ED type.

Country Codes

Code	Country
E	UK
ED	European direct sales, South Africa
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 motorcycle 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 motorcycle. You must use your own good judgement.

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

- Safety labels on the motorcycle
- 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 motorcycle, other property, or the environment.

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Operation Guide P. 18

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Motorcycle Safety

This section contains important information for safe riding of your motorcycle. Please read this section to ensure rider and passenger safety.

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Safety Guidelines

Follow these guidelines to ensure 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 motorcycle 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 motorcycle helmet and protective apparel. Instruct your passenger on holding onto the grab rails or your waist, leaning with you in turns, and keeping their feet on the footpegs, even when the motorcycle is stopped.

Take Time to Learn & Practice

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

Ride Defensively

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

Make Yourself Easy to See

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

Ride within Your Limits

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

Don't Drink and Ride

Alcohol 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. Don't drink and ride, and don't let your friends drink and ride either.

Keep Your Honda in Safe Condition

It's important to keep your motorcycle properly maintained and in safe riding condition. Inspect your motorcycle before every ride and perform all recommended maintenance. Never exceed load limits (➤ P. 17), and do not modify your motorcycle or install accessories that would make your motorcycle 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 evaluate the condition of your motorcycle. If the engine is still running, turn it off. 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 motorcycle may have suffered damage that is not immediately apparent. Have your motorcycle 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 motorcycle inside a garage or other enclosure.

WARNING

Carbon monoxide gas is toxic. Breathing it can cause unconsciousness and even kill you.

Avoid any areas or activities that expose you to carbon monoxide.

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 motorcycle to be serviced only by your dealer.



DANGER (with RED background)

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

WARNING (with ORANGE background)

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

CAUTION (with YELLOW background)

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



BATTERY LABEL

DANGER

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



RADIATOR CAP LABEL

DANGER

ED, E type only

NEVER OPEN WHEN HOT.

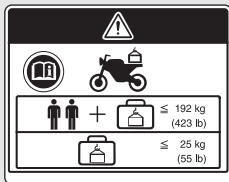
Hot coolant will scald you.

Relief pressure valve begins to open at **1.1 kgf/cm²**.

ACCESSORIES AND LOADING WARNING LABEL

WARNING

ACCESSORIES AND LOADING



- The safety stability and handling of this motorcycle 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 **192 kg (423 lb)**, which is the maximum weight capacity.
- The luggage weight must not exceed **25 kg (55 lb)** under any circumstances.
- The fitting of large fork-mounted or large handlebar mounted fairing is not recommended.

**SADDLEBAG LABEL**

Heavy cargo placed on the open lid can damage the saddlebag and lid.

TYRE INFORMATION LABEL

Cold tyre pressure:

[Driver only]

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

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

[Driver and passenger]

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

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

Tyre size:

Front **130/70R18M/C 63V**

Rear **200/50R17M/C 75V**

Tyre brand: DUNLOP

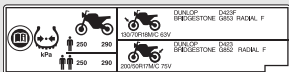
Front **DUNLOP D423F**

Rear **DUNLOP D423**

BRIDGESTONE

G853 RADIAL F

G852 RADIAL F





SAFETY REMINDER LABEL

For your protection, always wear helmet, protective apparel.

FUEL LABEL

Unleaded petrol only



CARGO LIMIT LABEL

Do not exceed **9.0 kg (20.0 lb)**



CARGO LIMIT LABEL

Do not exceed **0.5 kg (1.0 lb)**

Safety Precautions

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

Protective Apparel

Make sure that you and any passenger are wearing an approved motorcycle helmet, eye protection, and high-visibility protective clothing. 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 motorcycle'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 down-shifts.
 - ▶ Sudden braking can reduce the motorcycle'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.

Combined ABS

Your motorcycle is equipped with a brake system that distributes the braking force between the front and rear brakes.

The distribution of the braking force applied to the front and rear brakes when operating the lever only and when operating the pedal only is different.

For full braking effectiveness, operate both the front and rear brakes together.

This model is also 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 tyres to ensure correct ABS operation.

Engine Braking

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

Wet or Rainy Conditions

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

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

Parking

- Park on a firm, level paved surface.
- If you must park on a slight incline or loose surface, park so that the motorcycle 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 motorcycle unattended. Use of an anti-theft device is also recommended.

■ Parking with the Side Stand or Centre Stand

1. Stop the engine.
2. **Using the side stand**
Push the side stand down.
Slowly lean the motorcycle to the left until its weight rests on the side stand.

Using the centre stand

- Let down the centre stand, stand on the left side of the motorcycle. Hold the left handle grip and the left grab rail. Press down on the tip of the stand with your right foot and, simultaneously, pull up and back.
3. Turn the handlebar fully to the left.
 - ▶ Turning the handlebar to the right reduces stability and may cause the motorcycle to fall.
 4. Turn the ignition switch to the LOCK position and remove the key. ➡ P. 41

Refuelling and Fuel Guidelines

Follow these guidelines to protect the engine and catalytic converters:

- 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. 149
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

TCS (Traction Control System)

TCS (Traction Control System) assists you in maintaining traction while accelerating on slippery surfaces by regulating the engine's power output when it senses the rear wheel starting to lose traction.

TCS does not work in case of rear wheel lock caused by a sudden closing of the throttle. Do not close the throttle suddenly especially on the slippery road surface.

TCS may not compensate rough condition of roads or rapid and improper throttle operations. Always ride with a sufficient caution to the road and weather conditions.

In certain unusual conditions when your motorcycle gets stuck in shallow mud or fresh snow, it may be easier to free it with the TCS temporarily switched off.

It may also help to make it easier to maintain the balance and control in such condition as riding in an off-road terrain.

Always use the recommended tyres to ensure correct TCS operation.

Accessories & Modifications

We strongly advise that you do not add any accessories that were not specifically designed for your motorcycle by Honda or make modifications to your motorcycle from its original design. Doing so can make it unsafe. Modifying your motorcycle may also void your warranty and make your motorcycle illegal to operate on public roads and highways. Before deciding to install accessories on your motorcycle 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 motorcycle. Your motorcycle was not designed for these attachments, and their use can seriously impair your motorcycle's handling.

Loading

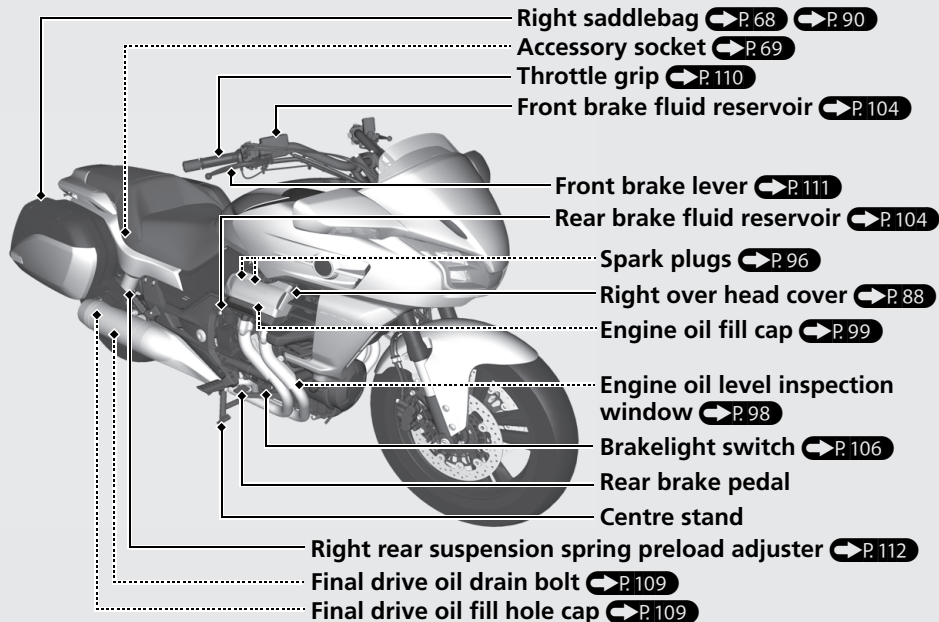
- Carrying extra weight affects your motorcycle's handling, braking and stability. Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
 - ✘ **Maximum weight capacity / Maximum luggage weight** P. 158
- Tie all luggage securely, evenly balanced and close to the centre of the motorcycle.
- Do not place objects near the lights or the muffler.

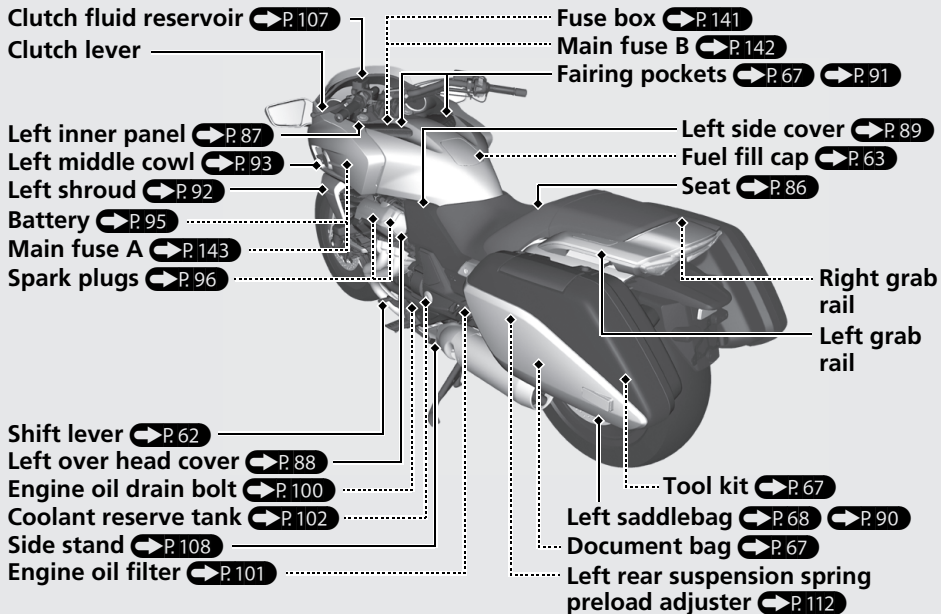
WARNING

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





Instruments

Speedometer

i-Multi-Information Display



Tachometer

NOTICE

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

Tachometer red zone

(excessive engine rpm range)

SELECT Δ (up) button

SELECT ∇ (down) button

SET button

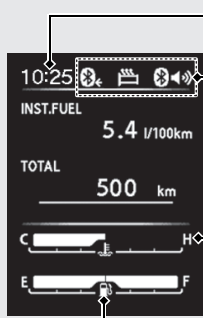
Display Check

When the ignition switch is turned on, the opening symbol will show on the i-multi-information display. If the display does not show when it should, have your dealer check for problems.

i-Multi-Information Display

The i-multi-information display shows the odometer, trip meter, air temperature gauge, and other gauges.

It also displays important messages such as warnings and other helpful information.



Clock (12-hour display)

To set the clock: [➔ P.28](#) [➔ P.31](#)

Status icons [➔ P.27](#)

Coolant temperature gauge ()



When the coolant is over specified temperature, the 6th (H) segment flashes and high coolant temperature indicator lights. [➔ P.36](#)

If the 6th (H) segment flashes while riding: [➔ P.116](#)

If the coolant temperature gauge flashes sequentially or turns off: [➔ P.120](#)

Fuel gauge

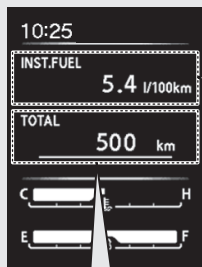
Remaining fuel when only 1st (E) segment starts flashing (reserve fuel mode): approximately 3.4 litres (0.9 US gal, 0.7 Imp gal)

At the same time, the low fuel indicator lights and the available driving distance display shows. [➔ P.26](#) [➔ P.37](#)

If the fuel gauge flashes sequentially or turns off: [➔ P.120](#)

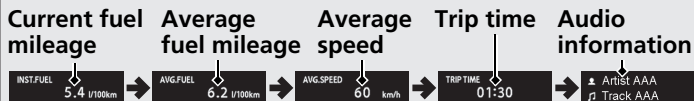


Instruments (Continued)



Current fuel mileage [INST.FUEL] & Average fuel mileage [AVG.FUEL] & Average speed [AVG.SPEED] & Trip time [TRIP TIME] & Audio information

▶ To reset the average fuel mileage: **➡ P.27**



➡ Press the **SELECT** Δ (up) button

Odometer [TOTAL] & Tripmeter [TRIP A/B] & Air temperature gauge [AIR] & Available driving distance [RANGE] & Amount of remaining fuel [REMAINING FUEL]

▶ To reset the tripmeter: **➡ P.27**



➡ Press the **SELECT** ∇ (down) button

Only when reserve fuel mode*

* Reserve fuel mode: When the 1st (E) segment of the fuel gauge flashes and the low fuel indicator lights, the available driving distance display and amount of remaining fuel display can be selected.

Current fuel mileage

The current fuel mileage shows the current or instant fuel mileage you are getting.

Display range: 0.0 to 99.9 km/l (l/100km, mile/l or mile/gal)

- When your speed is less than 7 km/h (5 mph): "--.-" is displayed
- Above 99.9 km/l (mile/l or mile/gal): "99.9" is displayed
- Above 99.9 l/100km: "--.-" is displayed

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

Average fuel mileage

The average fuel mileage will be based on tripmeter A. Average fuel mileage since tripmeter A was reset.

Display range: 0.0 to 99.9 km/l (l/100km, mile/l or mile/gal)

- Above 99.9 km/l (mile/l or mile/gal): "99.9" is displayed
- Above 99.9 l/100km: "--.-" is displayed
- When the tripmeter A 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.27**

INST.FUEL

5.4 l/100km

AVG.FUEL

6.2 l/100km

Instruments *(Continued)*

Average speed

Shows average speed since the engine was started.

Display range: 0 to 210 km/h (0 to 130 mph)

- Initial display: "---" is displayed

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

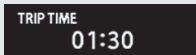


Trip time

Shows operating time since the engine was started.

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


- Above 99:59: back to 00:00



Audio information

Shows the artist name and title of the currently played track.

When the audio system is off, the audio information display is blank.

- ▶ **To play the audio system:**  P. 44

Odometer

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



Tripmeter A/B

Distance ridden since the tripmeter was reset. When "----." or "-----." is displayed, go to your dealer for service.



► **To reset the tripmeter:** P. 27

Air temperature gauge

Shows ambient temperature.

Display range: -10 to 50°C

- 3°C or less: "LOW AMBIENT TEMPERATURE" is displayed
- Below -10°C: "---" is displayed
- Above 50°C: 50°C flashes

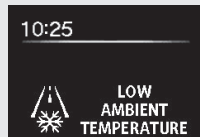
The temperature readout may be incorrect at low speeds due to reflected heat.



LOW AMBIENT TEMPERATURE display

Displayed when ambient temperature drops to 3°C.

To return to the ordinary display, the **SET** or **SELECT** button needs to be pressed or ambient temperature needs to rise to 5°C.



Instruments *(Continued)*

Available driving distance (only reserve fuel mode)

When the 1st (E) segment of the fuel gauge flashes, the estimated available driving distance is indicated.

Display range: 99 to 0 km (mile)

- Above 99 km (mile): "99" is displayed

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



Amount of remaining fuel (only reserve fuel mode)

When the 1st (E) segment of the fuel gauge flashes, the estimated amount of remaining fuel can be selected.

Display range: 3.4 to 1.0 L (litres) or 0.7 to 0.2 gal (gallon)

- Below 1.0 L (0.2 gal): "-.-" is displayed

The amount of remaining fuel is calculated from the driving conditions. The indicated amount of remaining fuel may be different from the actual amount. When the battery reconnects during reserve fuel mode, "-.-" is displayed.



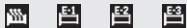
Status Icons

The information about currently used audio system and handle grip heater system is displayed on the upper part of i-multi-information display by icons.

▶ Information of the audio system: P. 44



▶ Information of the handle grip heater system: P. 42



To reset the tripmeter and average fuel mileage

To reset the tripmeter A and average fuel mileage, press and hold the **SET** button to reset to 0.0 km (mile) with the tripmeter A displayed. At the same time the average fuel mileage is reset.

To reset the tripmeter B, press and hold the **SET** button to reset to 0.0 km (mile) with the tripmeter B displayed.

Instruments *(Continued)*

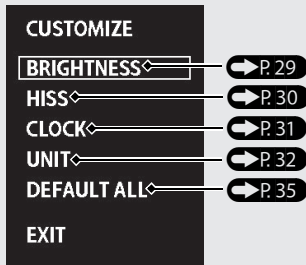
Setting Mode

You can set up the following items:

- Backlight brightness setting [BRIGHTNESS]
- HISS Indicator setting [HISS]
- Clock setting [CLOCK]
- Each meter unit setting [UNIT]
- Reset to factory default setting [DEFAULT ALL]

To shift to the setting mode, press and hold the **SET** button and the **SELECT** button with your motorcycle stopped until main menu screen is displayed.

Select the menu by pressing the **SELECT** buttons and decide the menu by pressing the **SET** button.



To end the setting mode, select "EXIT" menu on the main menu screen. Also, the setting mode is ended when the ignition switch is turned to the OFF position or your speed reaches approximately 5 km/h (3 mph).

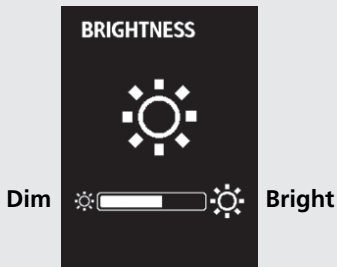
Backlight brightness setting

You can adjust the brightness to one of five levels.

- 1 Select "BRIGHTNESS" menu on the main menu screen, and then the display moves to the menu screen of "BRIGHTNESS".

➔ P.28

- 2 Select the brightness level using the **SELECT** buttons.




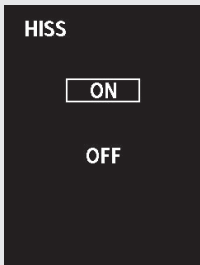
- 3 Press the **SET** button. The brightness level is set, and then the display returns to the main menu screen.

Instruments *(Continued)*

■ HISS Indicator setting


You can select on or off for blinking of the HISS indicator.

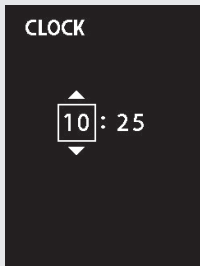
- 1 Select "HISS" menu on the main menu screen, and then the display moves to the menu screen of "HISS".  **P.28**
- 2 Select "ON" (blinks) or "OFF" (off) using the **SELECT** buttons.



- 3 Press the **SET** button. The HISS Indicator setting is set, and then the display returns to the main menu screen.

Clock setting

- 1 Select "CLOCK" menu on the main menu screen, and then the display moves to the menu screen of "CLOCK".  P.28
- 2 Press the **SELECT** button until the desired hour is displayed.
 - ▶ Press and hold to move the hour fast.
- 3 Press the **SET** button. The cursor moves to the minute digits.



- 4 Press the **SELECT** button until the desired minute is displayed.
 - ▶ Press and hold to move the minute fast.
- 5 Press the **SET** button. The clock is set, and then the display returns to the main menu screen.

Instruments *(Continued)*

Each meter unit setting

Except E type


You can change the fuel mileage meter unit. The unit of the current fuel mileage and average fuel mileage is changed by "FUEL" menu.

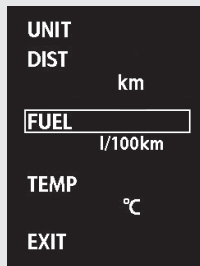
E type

You can change the speed and mileage unit and fuel mileage meter unit.

The unit of the odometer, tripmeter A/B, current fuel mileage and average fuel mileage is changed by "DIST" menu.

The unit of current fuel mileage, average fuel mileage and amount of remaining fuel is changed by "FUEL" menu.

To change the unit of each meter, select "UNIT" menu on the main menu screen, and then the display moves to the menu screen of "UNIT".  P.28

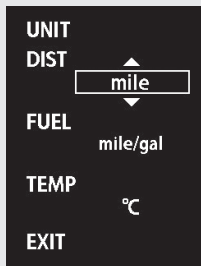


To end the each meter unit setting, select "EXIT" menu, and then the display returns to the main menu screen.

To change the speed and mileage unit

E type only

- 1 Select "DIST" on the menu screen of "UNIT", and then the cursor moves to "mile" or "km".
- 2 Press the **SELECT** button to select either "mile" or "km".
- 3 Press the **SET** button. The cursor returns to "DIST".



When selecting "mile"

- Unit of the average speed shows "mph"
- Unit of the odometer, tripmeter A/B and available driving distance shows "mile"
- Unit of the current fuel mileage and average fuel mileage shows "mile/gal"
- Unit of the amount of remaining fuel shows "gal"

When selecting "km"

- Unit of the average speed shows "km/h"
- Unit of the odometer, tripmeter A/B and available driving distance shows "km"
- Unit of the current fuel mileage and average fuel mileage shows "l/100km"
- Unit of the amount of remaining fuel shows "L"

Instruments *(Continued)*

To change the fuel mileage meter unit

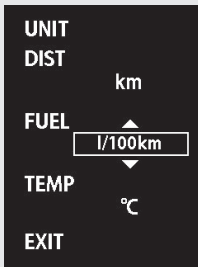
- 1 Select "FUEL" on the menu screen of "UNIT", and then the cursor moves to "l/100km", "km/l", "mile/gal" or "mile/l".

- 2 ED, U and E type that selected "km" in "DIST"

Press the **SELECT** button to select either "l/100km" or "km/l".

E type that selected "mile" in "DIST"

Press the **SELECT** button to select either "mile/gal" or "mile/l".



- 3 Press the **SET** button. The cursor returns to "FUEL".

When selecting "l/100km"

- Unit of current fuel mileage and average fuel mileage shows "l/100km"
- Unit of amount of remaining fuel shows "L"

When selecting "km/l"

- Unit of current fuel mileage and average fuel mileage shows "km/l"
- Unit of amount of remaining fuel shows "L"

When selecting "mile/gal"

- Unit of current fuel mileage and average fuel mileage shows "mile/gal"
- Unit of amount of remaining fuel shows "gal"

When selecting "mile/l"

- Unit of current fuel mileage and average fuel mileage shows "mile/l"
- Unit of amount of remaining fuel shows "L"

Reset to factory default setting

The set value can be returned to initial setting.

- 1 Select "DEFAULT ALL" menu on the main menu screen, and then the display moves to the menu screen of "DEFAULT ALL".

➡ P.28

- 2 Press the **SELECT** button to select either "NO" (not reset) or "YES" (reset).



- 3 When selecting "YES"

Press the **SET** button, the set value will return to initial setting, and then the display returns to the main menu screen.


When selecting "NO"

Press the **SET** button, the set value maintained, and then the display returns to the main menu screen.

Initial values

- Backlight brightness setting
[BRIGHTNESS]: Level 3
- HISS Indicator setting [HISS]: ON
- Clock [CLOCK]: maintained (not applicable)
- Speed and mileage unit [DIST]:
Except E type km
E type mile
- Fuel mileage meter unit [FUEL]:
Except E type l/100km
E type mile/gal

Indicators

 **High beam indicator**


 **Neutral indicator**

Comes on when the transmission is in Neutral.

 **High coolant temperature indicator**

Comes on briefly when the ignition switch is turned on.

If it comes on while riding: ➔ P.116

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

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

If it comes on while riding: ➔ P.118



 **Low oil pressure indicator**

Comes on when the ignition switch is turned on.

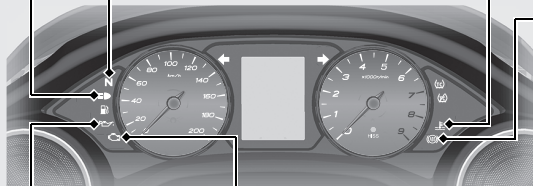
Goes off when the engine starts.

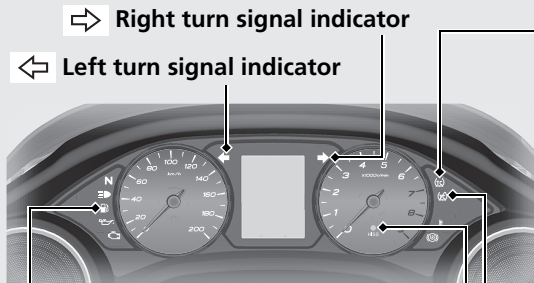
If it comes on while engine is running: ➔ P.117

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

Comes on briefly when the ignition switch is turned on with the engine stop switch in the  (Run) position. Comes on when the ignition switch is turned on with the engine stop switch in the  (Off) position.


If it comes on while engine is running: ➔ P.117





⇒ Right turn signal indicator

⇐ Left turn signal indicator

 **Low fuel indicator**


- Comes on briefly when the ignition switch is turned on.
- Comes on when there is only reserve fuel left in the fuel tank. Remaining fuel when low fuel indicator comes on:
3.4 litres (0.9 US gal, 0.7 Imp gal)

Low fuel indicator comes on and the 1st (E) segment of the fuel gauge flashes: ➔ P.26

 **TCS (Traction Control System) indicator**


- Comes on when the ignition switch is turned on. Goes off when your speed reaches approximately 10 km/h (6 mph) to indicate TCS is ready to work.
- Blinks when TCS is operating.

If it comes on while riding: ➔ P.119

 **TCS (Traction Control System) OFF indicator**



Comes on when the TCS is turned off.

HISS indicator ➔ P.28 ➔ P.30 ➔ P.146

- Comes on briefly when the ignition switch is turned on with the engine stop switch in the  (Run) position. Goes off if the ignition key has the correct coding.
- Flashes every 2 seconds for 24 hours when the ignition switch is turned off.

Switches

Headlight dimmer switch

-  : High beam
-  : Low beam

Passing light control switch

Flashes the high beam headlight.

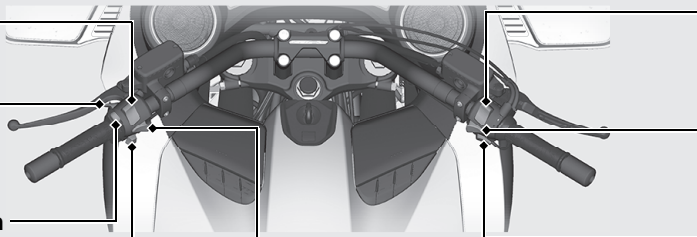
Handle grip heater switch

 P. 42


Turn signal switch

- The turn signal will automatically stop when you complete the turn.
- When used for a lane change, the turn signal is automatically stopped in 7 seconds or after riding 120 m (131 yards).
- ▶ You can manually cancel the turn signal by pressing the switch in.
- ▶ In some cases, the timing at which the turn signal stops is changed.
- ▶ Always use the recommended tyres to ensure correct automatic cancellation operation.

Horn button



Engine stop switch

Should normally remain in the  (Run) position.

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

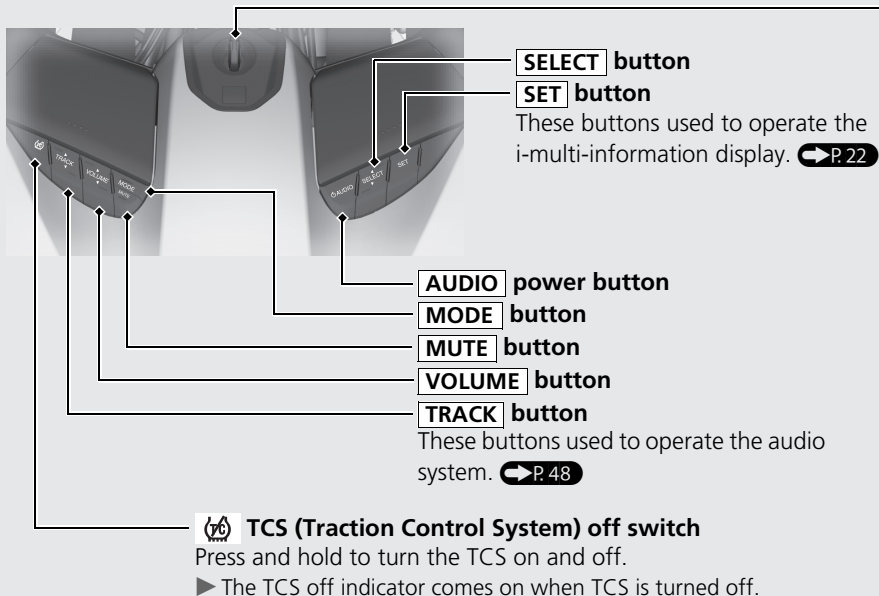
Hazard switch

Switchable when the ignition switch is ON. Can be turned off regardless of the ignition switch position.

▶ The signals continue flashing with the ignition switch in OFF or LOCK after the hazard switch is on.

Start button

Switches *(Continued)*



Ignition Switch

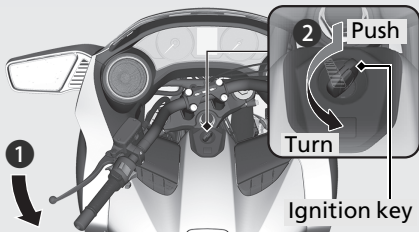
Switches the electrical system on/off, locks the steering.

- ▶ Key can be removed when in the OFF or LOCK position.

Steering Lock

Lock the steering when parking to help prevent theft.

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



ACC

Turns electrical system on for accessory.

ON

Turns electrical system on for starting/riding.

OFF

Turns engine off.

LOCK

Locks steering.



Locking

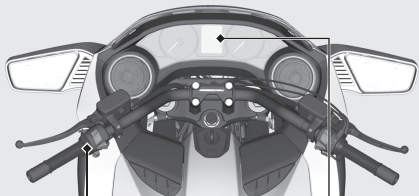
- 1 Turn the handlebar all the way to the left.
- 2 Push the key down, and turn the ignition switch to the LOCK position.
 - ▶ Jiggle the handlebar if the lock is difficult to engage.
- 3 Remove the key.

Unlocking

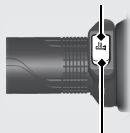
Insert the key, push it in, and turn the ignition switch to the OFF position.

Handle Grip Heater

CTX1300A is equipped with a handle grip heater that warms up your hands during ride. Wear gloves to protect your hands from the heated grips.

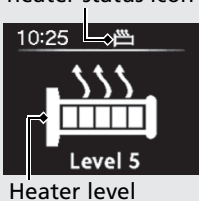


Handle grip heater indicator



Handle grip heater switch

Handle grip heater status icon



Heater level

Handle grip heater indicator:

Displayed when handle grip heater is on. The selected heater level is indicated by the number of times the indicator blinks when the heater is turned on and the heater level is changed. For example, If you select heater level 5, the indicator blinks 5 times and repeats it 7 times.

Heater level:

The selected heater level is indicated for a few seconds when the handle grip heater switch is operated.


Handle grip heater status icon:

Displayed when the handle grip heater is on.

⚠ If "E-1", "E-2" or "E-3" blinks → P.121



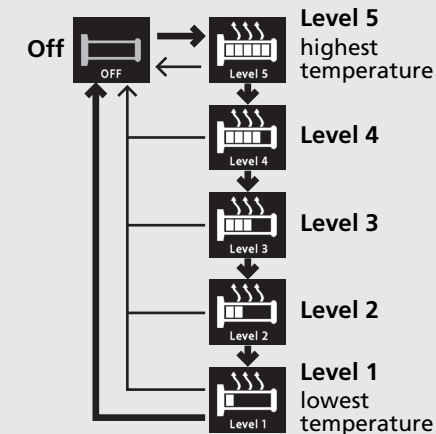
To operate handle grip heater

- 1 Start the engine. 
- 2 Press the handle grip heater switch. The handle grip heater is on.
- 3 Select the heater level by pressing the switch.
 - ▶ Do not leave the handle grip heater in the high position for a long time on a warm day.
- 4 To turn off, press the switch until "OFF" is displayed. Also to turn off, press and hold the switch.

Do not use the handle grip heater with the engine at idle for a long time. It may result in a low (or dead) battery.

Maintains the selected level when the ignition switch is turned off.

- ▶ The heater level is not changed if the ignition switch is turned to the OFF position within 5 seconds after heater level change.

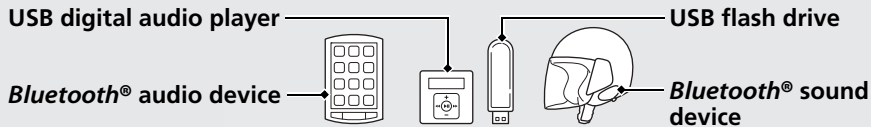


➔ Press the handle grip heater switch

➔ Press and hold the handle grip heater switch

Audio System

This audio system can play audio files on *Bluetooth*® audio devices (mobile phones, digital audio players or equivalents), USB digital audio players and USB flash drives. The audio system can pair with *Bluetooth*® sound devices (speakers, headsets, communication devices or equivalents).



- > AVRCP 1.3 profile (Used for remote control of *Bluetooth*® audio device.)
- > A2DP profile (Used for transmission of audio data.)

- Only operate audio buttons when safe to do so.
- Set the volume at a level that still allows horns and emergency vehicles to be heard.
- The audio system can play tracks and perform track selection. Album selection, play mode (Repeat, shuffle, etc.) change and other operations cannot be performed on the audio system. Set up those functions in each audio device to connect in advance.
- Some audio devices, USB flash drives and *Bluetooth*® sound devices may not be compatible.
- Use any audio devices, USB flash drives and *Bluetooth*® sound devices at your own risk.
- We shall not be liable for any damages or troubles in use of audio devices and USB flash drives.

About *Bluetooth*® audio

- Only one *Bluetooth*® audio device and only one *Bluetooth*® sound device can be paired with the audio system at a time. When another device is registered, the information on the previously registered device is canceled.
- If you receive a call to a paired phone while it is playing, the paired phone may stop playing.
- When unable to connect your *Bluetooth*® device to the audio system or when sounds skip or noises mix while playing, change the storage location of the *Bluetooth*® device.

Audio System *(Continued)*

Bluetooth® Wireless Technology

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Playable Devices

Bluetooth® Devices

Bluetooth® version	Bluetooth 2.0 + EDR or higher
Bluetooth® profile	A2DP
	AVRCP 1.3 or higher

USB Devices

USB standard	USB 2.0 full speed
Device class	USB mass-storage class
Subclass	SCSI
Protocol	Bulk only

USB Flash Drives

USB flash drive size	256 MB or higher
File system	FAT16, FAT32
Maximum hierarchies	10 hierarchies
Maximum files	400,000 files (32,768 files in one folder)

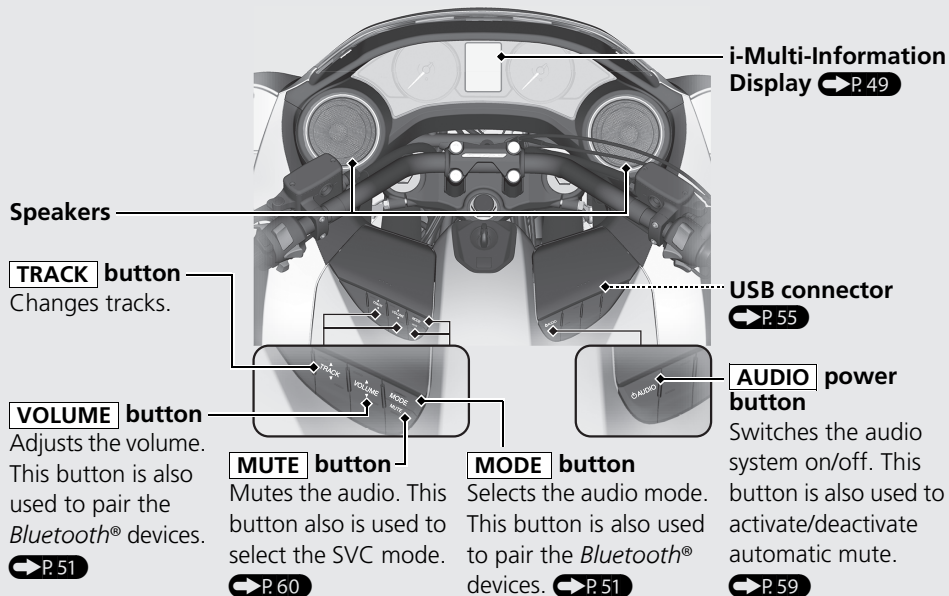
Audio Files on USB Flash Drives

MP3	Standard	MPEG1 Audio Layer 3
	File extension	.mp3
	Sampling periodicity (kHz)	32/44.1/48
	Bit rates (kbps)	32/40/48/56/64/80/96/112/128/160/192/224/256/320/VBR
	Available tags	ID3v2 (v2.2/v2.3/v2.4) ID3v1 (v1.0/v1.1)
WMA	Standard	Windows Media Audio Version 7/8/9
	File extension	.wma
	Digital rights management (DRM)	Not support
	Sampling periodicity (kHz)	16/22.05/32/44.1/48
	Bit rates (kbps)	5 to 320/VBR
	Available tags	ASF

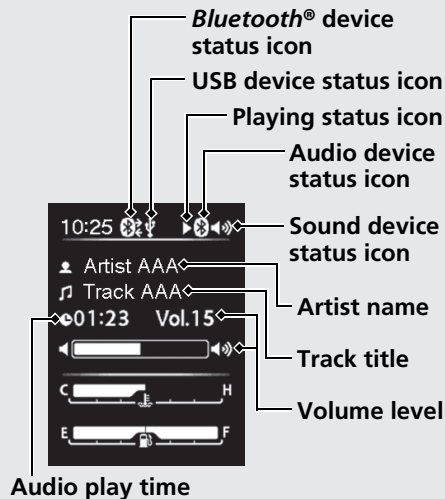
AAC	Standard	MPEG4/AAC LC MPEG2/AAC LC
	File extension	.m4a
	Digital rights management (DRM)	Not support
	Sampling periodicity (kHz)	16/22.05/32/44.1/48
	Bit rates (kbps)	16 to 320/VBR
WAV	Available tags	MPEG-4 header
	Standard	WAVE
	File extension	.wav
	Sampling periodicity (kHz)	16/22.05/32/44.1/48

Audio System (Continued)

Audio System Location



i-Multi-Information Display



Bluetooth® device status icon: The connection status of *Bluetooth®* devices is displayed.

USB device status icon: Displayed when a USB device is connected.

Playing status icon: The playing status of audio system is displayed.

Audio device status icon, Sound device status icon: The current audio mode is displayed. The status icons blink while a track is stopped. **➡ P.50**

Artist name, Track title: While playing a track, displayed when the **VOLUME**, **TRACK** or **MODE** button is operated, or when the audio information display is chosen. **➡ P.22**

▶ Music information may not be displayed. If the character code in use is not supported, "." will be displayed.

Audio play time: Displayed when the **VOLUME**, **TRACK** or **MODE** button is operated while playing a track.

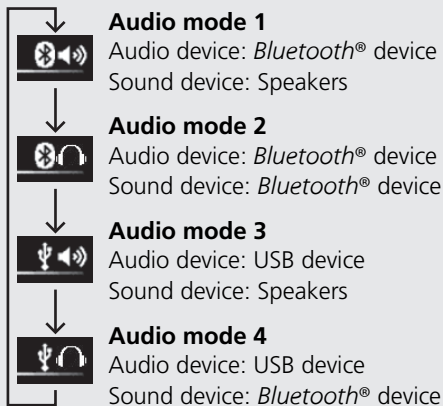
Volume level: Displayed when the **VOLUME** or **MODE** button is operated, or when the **TRACK** button is operated while playing a track.

Audio System *(Continued)*

Changing the Audio Mode

You can select four audio modes by pressing the **MODE** button.

The selected mode is displayed by audio device and sound device status icons.



→ Press the **MODE** button

Select an audio mode, the status icon will blink. The status icon will stop blinking when the information from the audio device is received.



The audio system plays a track from a *Bluetooth*[®] audio device.



The audio system plays a track from a USB device.





The audio sounds from the speakers.




The audio sounds from a *Bluetooth*[®] sound device.

Bluetooth® Audio Device

To pair a Bluetooth® audio device

- 1 Select the audio mode 1 or 3 using the **MODE** button.  P.50
 - ▶ The beep signal cannot be heard when the mode 2 or 4 is chosen.
- 2 Press and hold the **MODE** and **VOLUME**  (down) buttons. The Bluetooth® device status icon (Bluetooth® mark and left arrow) starts blinking and the short beep begins to sound. The motorcycle is in pairing mode.
- 3 Select "Honda Motorcycle Audio" on an audio device according to its manual. Registration is completed, blink of the icon will stop and the long beep (1 second) will sound.
 - ▶ If an audio device cannot be registered, the short beep sounds three times and the display returns to the ordinary display.




To end the pairing mode on the way, press and hold the **MODE** and **VOLUME**  (down) buttons.

After pairing, when the audio mode 1 or 2 is selected with the registered audio device in connectable state, the audio device will be connected automatically.

Presence of a Bluetooth® device in the vicinity sometimes affects the pairing. Some Bluetooth® audio devices may not be compatible.

In the following cases, registration will be canceled.

- An another audio device is registered.
- The audio system is reset.  P.54

Audio System *(Continued)*

To pair a *Bluetooth*® sound device

- 1 Select the audio mode 1 or 3 using the **MODE** button. P.50

 - ▶ The beep signal cannot be heard when the mode 2 or 4 is chosen.
- 2 Press and hold the **MODE** and **VOLUME** Δ (up) buttons. The *Bluetooth*® device status icon (*Bluetooth*® mark and right arrow) starts blinking and the short beep begins to sound. The motorcycle is in pairing mode. (The audio system sends PIN code "0000".)

 - ▶ The PIN code cannot be changed.
- 3 Register a sound device according to its manual.

Registration is completed, blink of the icon will stop and the long beep (1 second) will sound.

 - ▶ If a sound device cannot be registered, the short beep sounds three times and the display returns to the ordinary display.



To end the pairing mode on the way, press and hold the **MODE** and **VOLUME** Δ (up) buttons.

After pairing, when the audio mode 2 or 4 is selected with the registered sound device in connectable state, the sound device will be connected automatically.

Presence of a *Bluetooth*® device in the vicinity sometimes affects the pairing. Some *Bluetooth*® sound devices may not be compatible.

In the following cases, registration will be canceled.

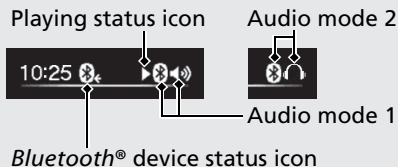
- An another sound device is registered.
- The audio system is reset. P.54

To play a track

- 1 Make sure that your audio device is on and connected to the audio system.
 - ▶ The *Bluetooth*[®] device status icon (*Bluetooth*[®] mark and left arrow) is displayed when an audio device is connected.
- 2 Select the audio mode 1 or 2 using the **MODE** button. **➡ P.50**

A track will be played and the playing status icon will be displayed when the information of the audio device is received.

- ▶ If it takes a long time before a track starts playing, check the status of the audio device.



To stop the track

Press the **AUDIO** power button. The audio system turns off and the track stops.

To change a track


Press the **TRACK** Δ (up) button to skip to the next track.

Press the **TRACK** ∇ (down) button to go back to the beginning of the current or previous track.

Album selection, play mode (Repeat, shuffle, etc.) change and other operations cannot be performed on the audio system. Set up those functions in each audio device to connect in advance.

Audio System *(Continued)*

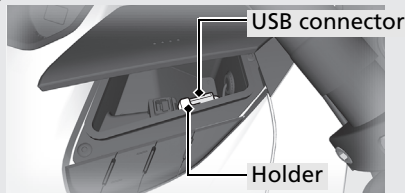
To reset registered *Bluetooth*® devices

- 1 Select the audio mode 1 or 3 using the **MODE** button.  P.50
 - ▶ The beep signal cannot be heard when the mode 2 or 4 is chosen.
- 2 Press and hold the **MODE** buttons for 10 seconds. The long beep (1 second) will sound and the registered informations will be deleted.
 - ▶ If the registered informations cannot be deleted, the short beep sounds three times.
- 3 Delete the *Bluetooth*® information of “Honda Motorcycle Audio” from the audio device according to its manual.

USB Digital Audio Player

To connect a USB device

- 1 Open the right fairing pocket. P. 67
- 2 Release the USB connector from the holder.




- 3 Connect the USB device to the USB connector. The USB device status icon will be displayed when the audio system recognizes a USB device.



- Do not leave USB devices in the vehicle (fairing pocket). High heat will damage it.
- Read precaution statements on the provided instructions of your USB devices.
- USB devices can be charged with the USB cable when the ignition switch is in the ON or ACC position. The charging time may be longer than usual.
- We recommend covering your USB devices with soft fabric or cover to protect from damage.
- Be careful not to let the USB connector get wet.
- If the audio system does not recognize the USB device, try reconnecting it a few times or reboot the device.
- Some USB devices may not be compatible.
- Do not use hard disks, card readers, and memory readers which may damage the device and data. If you faultily connect the one of them, turn the ignition switch off and remove it.
- We recommend backing up your data before playing it.
- Do not connect USB devices using a hub.
- Do not connect incompatible USB devices.

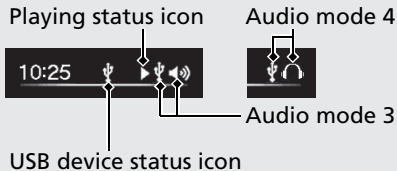
Audio System (Continued)

To play a track on a USB digital audio player

- 1 Make sure that your digital audio player is on and connected to the audio system.
 - ▶ The USB device status icon is displayed when a digital audio player is connected.
- 2 Select the audio mode 3 or 4 using the **MODE** button.  P.50

A track will be played and the playing status icon will be displayed when the information of the digital audio player is received.

- ▶ If it takes a long time before a track starts playing, check the status of the digital audio player.



To pair a *Bluetooth*® sound device



To stop the track

Press the **AUDIO** power button. The audio system turns off and the track stops.

To change a track on the USB audio device

Press the **TRACK** Δ (up) button to skip to the next track.

Press the **TRACK** ∇ (down) button to go back to the beginning of the current or previous track.


Album selection, play mode (Repeat, shuffle, etc.) change and other operations cannot be performed on the audio system. Set up those functions in each audio device to connect in advance.

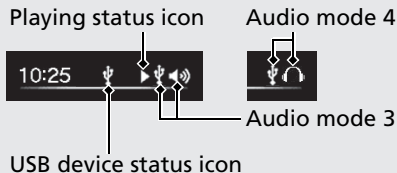
USB Flash Drive

- Use a recommended USB flash drive of 256 MB or higher.
- Some USB flash drives (such as devices with security lockout features, etc.) may not be used or restricted to its function.
- The audio system can play MP3/WMA/AAC/WAV files on a USB flash drive.
- Audio files protected by digital rights management (DRM) are not played.
- The short beep sounds four times, when the audio system reads unplayable files such as audio files protected by digital rights management (DRM).

To connect a USB flash drive P.55

To play a track on a USB flash drive

- 1 Make sure that your USB flash drive is connected to the audio system.
 - ▶ The USB device status icon is displayed when a USB flash drive is connected.
- 2 Select the audio mode 3 or 4 using the **MODE** button.  P.50
A track will be played and the playing status icon will be displayed when the information of the USB flash drive is received.
 - ▶ If it takes a long time before a track starts playing, check the status of USB flash drive.



Audio System *(Continued)*

| To pair a *Bluetooth*® sound device

➔ P.52

| To stop the track

Press the **AUDIO** power button. The audio system turns off and the track stops.

| To change a track on the USB flash drive

Press the **TRACK** △ (up) button to skip to the next track.

Press the **TRACK** ▽ (down) button to go back to the beginning of the current or previous track.

| To change a folder on the USB flash drive

Press and hold the **TRACK** △ (up) button to change to the next folder on the USB flash drive.

Press and hold the **TRACK** ▽ (down) button to change to the previous folder on the USB flash drive.

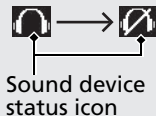
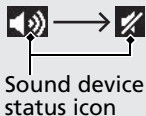
Files on the USB flash drive are played in alphabetical order of file names. This order may be different from the order displayed on your PC or device.

Muting

The audio system has two mute functions: the manual mute function and automatic mute function by vehicle speed.

To mute by manual operation

To mute the audio volume, press the **MUTE** button. The sound device status icon is changed.



To restore the original volume, press the **MUTE** button again. The sound device status icon is changed.

Also, restore the original volume using the **VOLUME** Δ (up), **TRACK** or **MODE** button.

To activate/deactivate of Automatic mute

When you slow down, audio volume decreases automatically, and when you accelerate, it returns to the original volume. When the volume level is 9 or less, audio volume does not decrease. Initial setting is deactivation.

- 1 To change the automatic mute mode, press and hold the **AUDIO** power button for 1 second.
- 2 Release the button. The display will show "AUTO MUTE ON" (activate) or "AUTO MUTE OFF" (deactivate).

**AUTO MUTE
ON**

**AUTO MUTE
OFF**

Audio System *(Continued)*

Speed-sensitive Volume Compensation (SVC)

The SVC has four volume modes: OFF, LO, MID, and HI. SVC adjusts the volume level based on the vehicle speed. The faster you go, the audio volume increases. As you slow down, the audio volume decreases. If you feel the sound is too loud, choose LO, and vice versa.

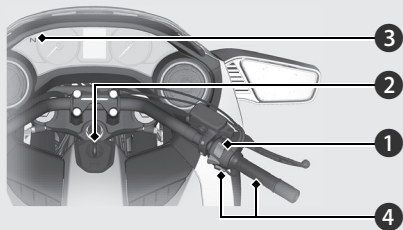
To change the volume mode

- 1 Press and hold the **MUTE** button for 1 second.
- 2 Release the button. The display will show "AUTO VOLUME LO", "MID" (initial setting), "HI" or "OFF" (deactivate).
- 3 Repeat steps **1** & **2** until the desired mode is displayed.

AUTO VOLUME
MID

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 off and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine, and the exhaust system.
- Snapping the throttle or fast idling for more than about 5 minutes may cause exhaust pipe discolouration.
- 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 motorcycle with the transmission in gear so long as the side stand is raised.
- 4 Press the start button with the throttle completely closed.

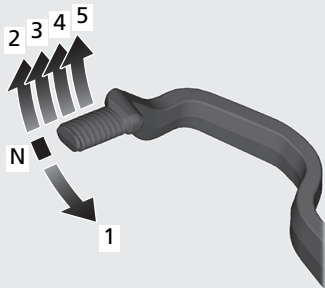
If the engine does not start:

- 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.115

Shifting Gears

Your motorcycle transmission has 5 forward gears in a one-down, four-up shift pattern.



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

Refuelling

Fuel type: Unleaded petrol only

Fuel octane number:

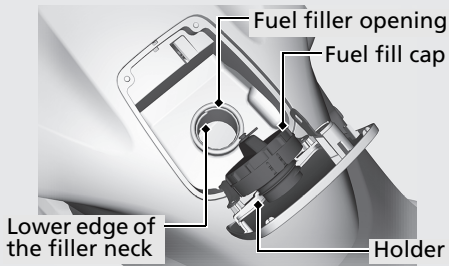
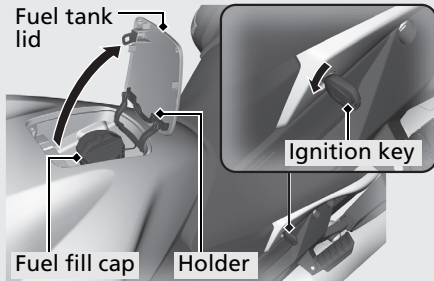
Your motorcycle is designed to use Research Octane Number (RON) 91 or higher

Tank capacity: 19 litres (5.0 US gal, 4.2 Imp gal)

Refuelling and Fuel Guidelines ➔ P.15

Opening the Fuel Fill Cap

- 1 Insert the ignition key into the lock, and turn it counterclockwise to open the fuel tank lid.
- 2 Turn the fuel fill cap counterclockwise and remove it.
- 3 Place the fuel fill cap in the holder of the fuel tank lid.



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

Refuelling *(Continued)*

Closing the Fuel Fill Cap

- ① Install and tighten the fuel fill cap firmly by turning it clockwise until it clicks.
- ② Close the fuel tank lid and remove the key.

WARNING

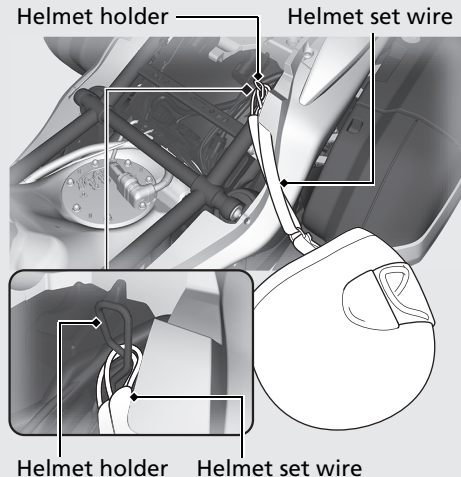
Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine, and keep heat, sparks, and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

Storage Equipment

Helmet holder

The helmet holder is located under the seat. A helmet set wire is in the tool kit. **➔ P. 67**



► Use the helmet holder only when parked.

▮ **Removing the Seat** ➔ P. 86

⚠ 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.

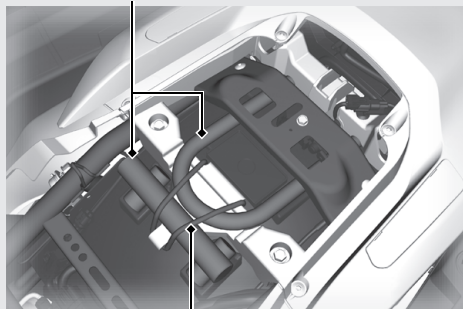
Use the helmet holder only while parked. Do not ride with a helmet secured by the holder.

Storage Equipment *(Continued)*

U-shaped Lock

To store a U-shaped lock under the seat.

U-shaped lock



Rubber strap

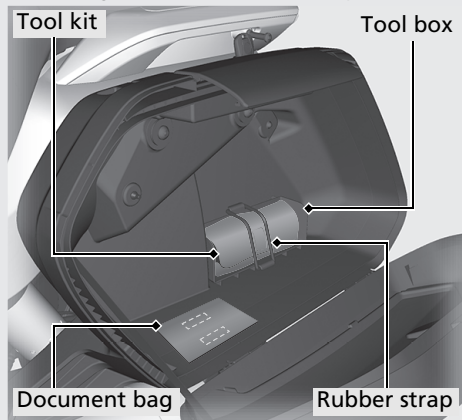
- ▶ The U-shaped lock is held in place above the rear fender with the rubber strap.
- ▶ Some U-shaped locks may not fit in the compartment due to their size or design.

Removing the Seat  **P. 86**

Tool Kit/Document Bag

The tool kit is located in the tool box (in the left saddlebag) with the rubber strap.

The document bag is located in the left saddlebag with the hook and loop fastener.

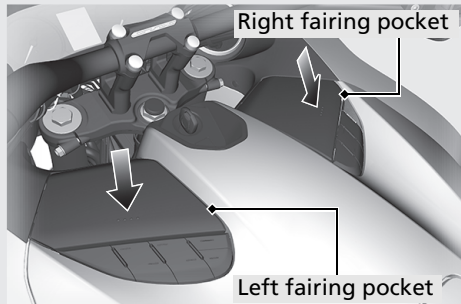


Opening the Saddlebag ➔ P.68

Fairing Pocket

Never exceed the maximum weight capacity.

Maximum weight: 0.5 kg (1.0 lb)



Opening the Fairing Pocket

Push the fairing pocket lid and open it.

Closing the Fairing Pocket

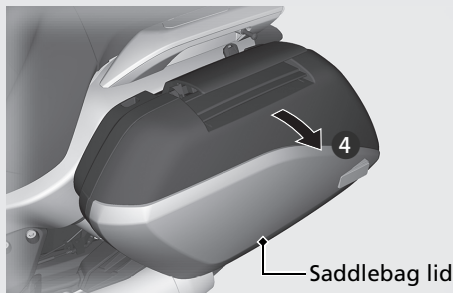
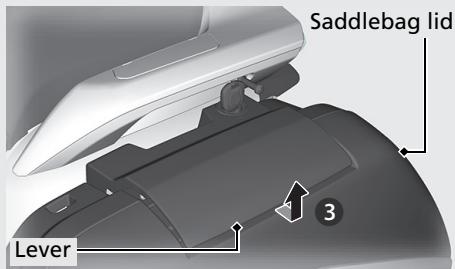
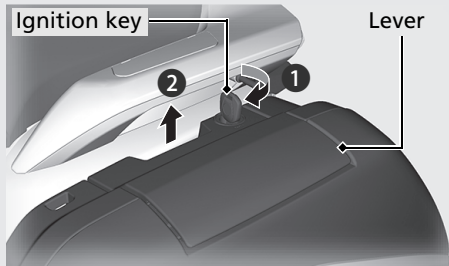
Close the fairing pocket lid until it locks.

Storage Equipment *(Continued)*

Saddlebag

Never exceed the maximum weight capacity.

Maximum weight: 9.0 kg (20.0 lb)



Opening the Saddlebag

The right and left saddlebags can be opened in the same manner.

- ① Insert the ignition key, and turn it clockwise.
- ② Pull the lever upwards.
- ③ Slide the lever to the outside and release the lever from the saddlebag lid.
- ④ Open the saddlebag lid.

Closing the Saddlebag

Close the saddlebag in the reverse order of opening.

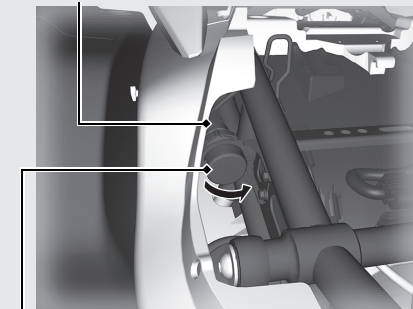
Accessory Socket

The accessory socket is located under the seat.

Open the cover to access to the accessory socket.

Rated capacity is
24W (12V, 2A).

Accessory socket



Cover

- ▶ To prevent the battery from becoming weak (or dead), keep the engine running while drawing current from the socket.
- ▶ Set the headlight on low beam while the socket is in use. The battery may run down or cause damage to the accessory socket.
- ▶ To prevent entry of foreign matter into the socket, be sure to close the cover when the accessory socket is not used.

Removing the Seat → P.86

Maintenance

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

Importance of Maintenance	P. 71	Clip B.....	P. 94
Maintenance Schedule	P. 72	Battery.....	P. 95
Maintenance Fundamentals	P. 75	Spark Plugs	P. 96
Tool kit	P. 85	Engine Oil	P. 98
Removing & Installing Body Components ..	P. 86	Coolant	P. 102
Seat.....	P. 86	Brakes	P. 104
Left Inner Panel	P. 87	Clutch	P. 107
Over Head Cover	P. 88	Side Stand	P. 108
Left Side Cover	P. 89	Final Drive Oil	P. 109
Saddlebag	P. 90	Throttle	P. 110
Left Fairing Pocket.....	P. 91	Other Adjustments	P. 111
Left Shroud	P. 92	Brake Lever	P. 111
Left Middle Cowl.....	P. 93	Rear Suspension.....	P. 112
Clip A.....	P. 94	Headlight Aim.....	P. 113

Importance of Maintenance

Keeping your motorcycle 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 motorcycle before each ride, and perform the periodic checks specified in the Maintenance Schedule. ➔ P. 72

WARNING

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








Maintenance Schedule

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


Maintenance work should be performed in accordance with Honda's standards and specifications by properly trained and equipped technicians. Your dealer meets all of these requirements. Keep an accurate record of maintenance to help ensure that your motorcycle 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 for by your dealer. Retain all receipts. If you sell the motorcycle, these receipts should be transferred with the motorcycle to the new owner.

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

Items	Pre-ride Check ☑ P. 75	Odometer Reading*1						Annual Check	Regular Replace	Refer to page
		x 1,000 km	1	12	24	36	48			
		x 1,000 mi	0.6	8	16	24	32			
Fuel Line 				I	I	I	I	I		-
Fuel Level	I									63
Throttle Operation 	I			I	I	I	I	I		110
Air Cleaner*2 					R		R			84
Spark Plug				I	R	I	R			96
Valve Clearance 						I		I		-
Engine Oil	I		R	R	R	R	R	R	R	98
Engine Oil Filter			R	R	R	R	R	R	R	100
Engine Idle Speed 			I	I	I	I	I	I		-
Radiator Coolant*3	I			I	I	I	I	I	3 Years	102
Cooling System 				I	I	I	I	I		-
Secondary Air Supply System 				I	I	I	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 motorcycle serviced by your dealer.

Maintenance Legend

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

R : Replace

Maintenance Schedule

Items	Pre-ride Check  P. 75	Odometer Reading*1					Annual Check	Regular Replace	Refer to page	
		x 1,000 km	1	12	24	36				48
		x 1,000 mi	0.6	8	16	24				32
Final Drive Oil								3 Years	109	
Brake Fluid*3									2 Years	104
Brake Pads Wear										105
Brake System										75
Brakelight Switch										106
Headlight Aim										113
Lights/Horn										-
Engine Stop Switch										-
Clutch System										107
Clutch Fluid*3									2 Years	107
Side Stand										108
Suspension										-
Nuts, Bolts, Fasteners										-
Wheels/Tyres										81
Steering Head Bearings										-

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 : 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 motorcycle:

- Fuel level – Fill fuel tank when necessary. ➤ P. 63
- Throttle – Check for smooth opening and full closing in all steering positions. ➤ P. 110
- Engine oil level – Add engine oil if necessary. Check for leaks. ➤ P. 98
- Coolant level – Add coolant if required. Check for leaks. ➤ P. 102

- Brakes – Check operation; Front and Rear: check brake fluid level and pads wear. ➤ P. 104, 105
- Lights and horn – Check that lights, indicators and horn function properly.
- Engine stop switch – Check for proper function.
- Clutch – Check clutch fluid level. ➤ P. 107
- Side stand ignition cut-off system – Check for proper function. ➤ P. 108
- Wheels and tyres – Check condition, air pressure and adjust if necessary. ➤ P. 81

Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety. When ordering coloured components, specify the model name, colour, and code mentioned on the colour label. The colour label is attached to the frame under the seat.  P. 86



Colour label

WARNING

Installing non-Honda parts may make your motorcycle 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 motorcycle.

Battery

Your motorcycle 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 battery disposal.


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.

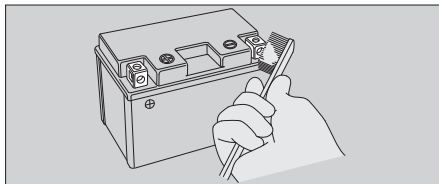
Wear protective clothing and a face shield, or have a skilled mechanic do the battery servicing.

I Cleaning the Battery Terminals

1. Remove the battery.  P. 95
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

Maintenance Fundamentals

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



- 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

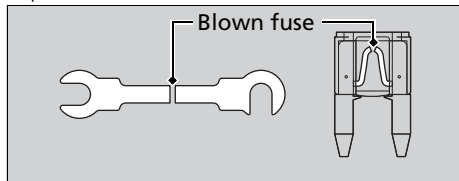
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

Fuses

Fuses protect the electrical circuits on your motorcycle. If something electrical on your motorcycle stops working, check for and replace any blown fuses. ➤ P. 141

Inspecting and Replacing Fuses

Turn off the ignition switch to remove and inspect fuses. If a fuse is blown, replace with a fuse of the same rating. For fuse ratings, see "Specifications." ➤ P. 160



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 motorcycle 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.

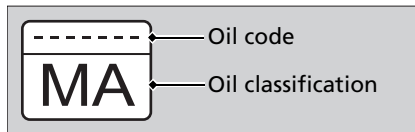
Selecting the Engine Oil

For recommended engine oil, see “Specifications.” P. 159

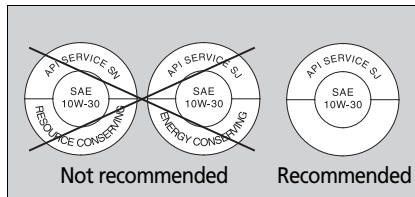
If you use non-Honda engine oil, check the label to make sure that the oil satisfies all of the following standards:

- 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 (Clutch 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 and clutch 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

Final Drive Oil

Recommended final drive oil:

Hypoid gear oil SAE 80

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.

NOTICE

Using coolant not specified for aluminium engines or using ordinary tap water can cause corrosion.

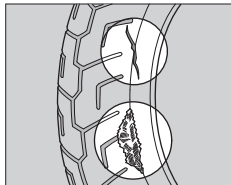
Tyres (Inspecting/Replacing)

Checking the Air Pressure

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

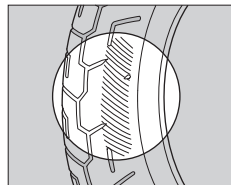
Inspecting for Damage

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



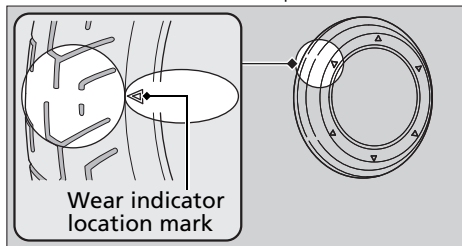
Inspecting for Abnormal Wear

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



Inspecting Tread Depth

Inspect the tread wear indicators. If they become visible, replace the tyres immediately. 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. 159

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 equivalents after the tyre is installed.
- Do not install a tube inside a tubeless tyre on this motorcycle. Excessive heat build-up can cause the tube to burst.
- Use only tubeless tyres on this motorcycle. 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 motorcycle 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.

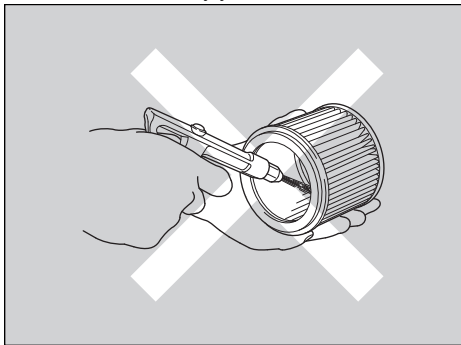
Air Cleaner

This motorcycle is equipped with a viscous type air cleaner element.

Air blow cleaning or any other cleaning can degrade the viscous element performance and cause the intake of dust.

Do not perform the maintenance.

Should be serviced by your dealer.



Tool kit

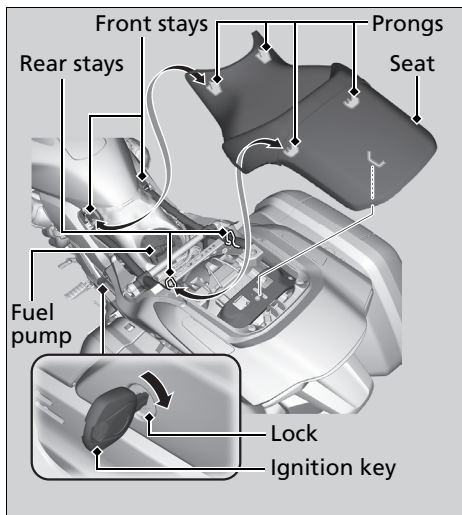
The tool kit is stored in the left saddlebag.

➔ P. 67

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

- 5 mm Hex wrench
- 6 mm Hex wrench
- 10 mm Box wrench
- 10 × 12 mm Box end wrench
- 14 × 17 mm Box end wrench
- Standard/Phillips screwdriver
- Screwdriver grip
- Pin spanner
- Helmet set wire
- Fuse puller

Seat



The seat must be removed to access the colour label and accessory socket, to use the

helmet holder, to store a U-shaped lock, and to remove the left side cover.

Removal

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

Installation

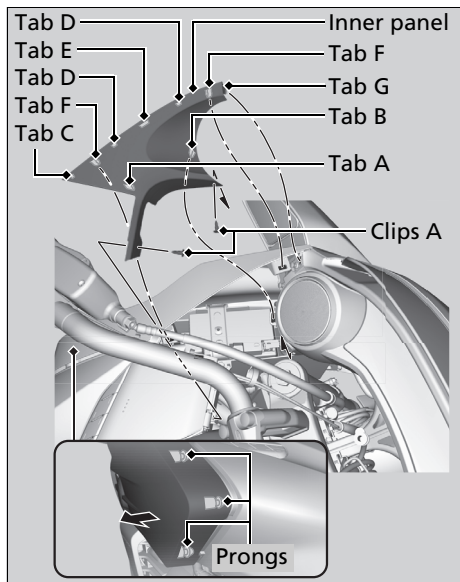
1. Insert the front and rear prongs into the front and rear stays on the frame.
2. Push forward and down on the rear of the seat until it locks in place.

Make sure that the seat is locked securely in position to pull it up lightly.

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

Do not store gloves, towel or other items around the fuel pump. They may cause damage to the fuel pump.

Left Inner Panel



The left inner panel must be removed to access the battery, fuse box and main fuses A, B, to remove the left fairing pocket and left middle cowl.

When removing and installing the left inner panel, be careful not to damage the tabs.

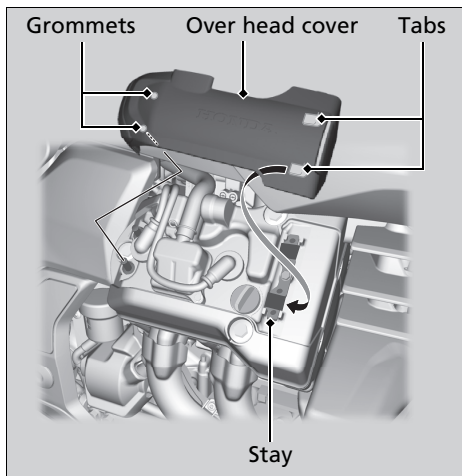
Removal

1. Remove the clips A. ► P. 94
2. Release tab A and B from the fairing pocket and speaker.
3. Release the prongs from the grommets.
4. Remove the left inner panel by releasing tabs C, D, E, F and G.

Installation

Install the parts in the reverse order of removal.

Over Head Cover



The right over head cover must be removed to access the oil fill cap and spark plugs. The left over head cover must be removed to access the spark plugs, and to remove the left side cover.

The right and left over head covers can be removed in the same manner.

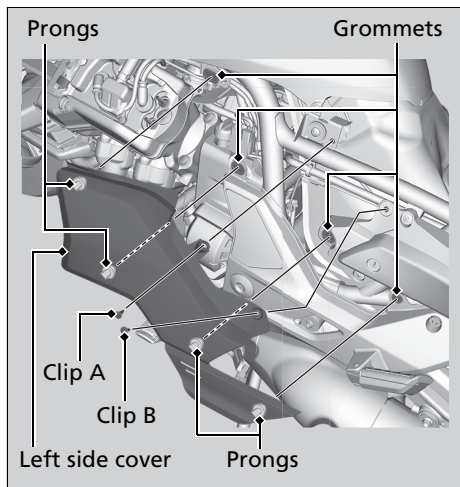
Removal

1. Release the grommets by pulling the rear of the over head cover.
2. Remove the over head cover by releasing the tabs from the stay.

Installation

Install the parts in the reverse order of removal.

Left Side Cover



The left side cover must be removed to access the coolant reserve tank cap.

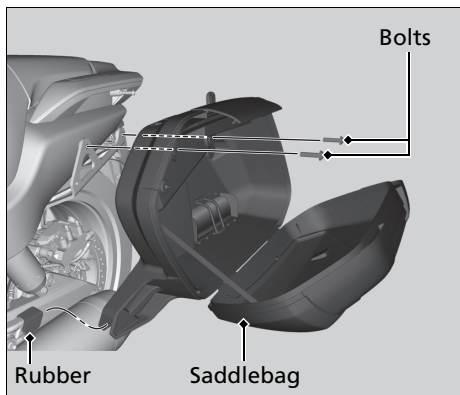
Removal

1. Remove the seat. ► P. 86
2. Remove the left over head cover. ► P. 88
3. Remove the clip A. ► P. 94
4. Remove the clip B. ► P. 94
5. Remove the left side cover by releasing the prongs from the grommets.

Installation

Install the parts in the reverse order of removal.

Saddlebag



The left saddlebag must be removed to service the rear suspension, and to remove the rear wheel.

The right saddlebag must be removed to service the rear suspension.

The right and left saddlebags can be removed in the same manner.

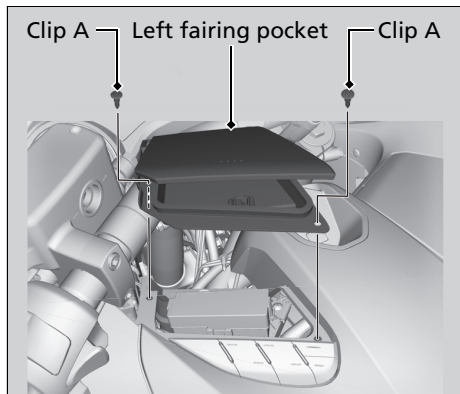
Removal

1. Open the saddlebag. ► P. 68
2. Remove the bolts.
3. Remove the saddlebag from the rubber on the frame.

Installation

Install the parts in the reverse order of removal.

Left Fairing Pocket



The left fairing pocket must be removed to access the fuse box and main fuse B.

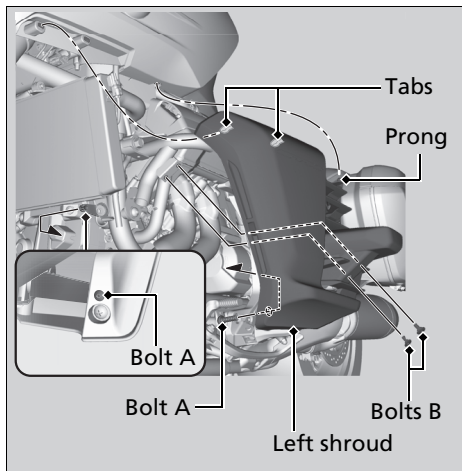
Removal

1. Open the left fairing pocket. ► P. 67
2. Remove the left inner panel. ► P. 87
3. Remove the clips A. ► P. 94
4. Remove the left fairing pocket.

Installation

Install the parts in the reverse order of removal.

Left Shroud



The left shroud must be removed to access the main fuse A, and to remove the left middle cowl.

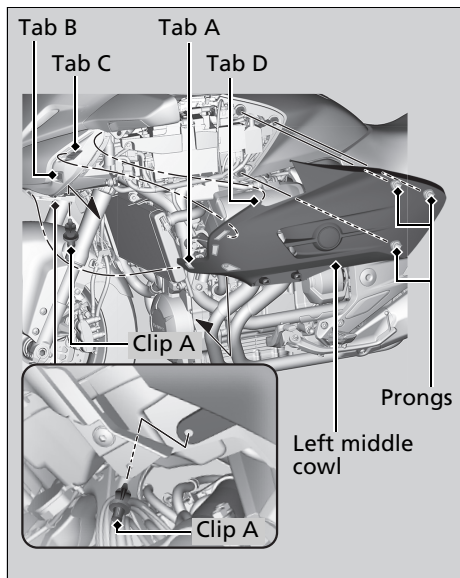
Removal

1. Remove the bolt A.
2. Remove the bolts B.
3. Remove the left shroud by releasing the tabs and prong.

Installation

Install the parts in the reverse order of removal.

Left Middle Cowl



The left middle cowl must be removed to access the main fuses A.

Removal

1. Remove the left inner panel. ► P. 87
2. Remove the left shroud. ► P. 92
3. Remove the clip A. ► P. 94
4. Release the prongs from the grommets.
5. Release tab A from the slot.
6. Remove the left middle cowl by releasing tabs B and C from the guide, tab D from the rearview mirror.

Installation

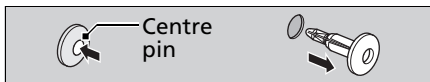
Install the parts in the reverse order of removal.

Clip A

The clip A must be removed to remove the left inner panel, left side cover, left fairing pocket and left middle cowl.

Removal

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



Installation

1. Push the bottom of the centre pin.



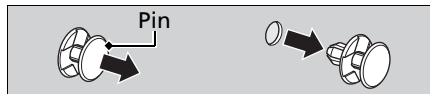
2. Insert the clip into the hole.
3. Press down on the centre pin to lock the clip.

Clip B

The clip B must be removed to remove the left side cover.

Removal

1. Pull the pin to release the lock.
2. Pull the clip out of the hole.

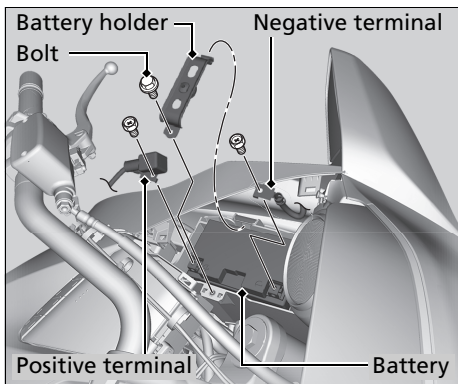


Installation

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



Battery



Removal

Make sure the ignition switch is off.

1. Remove the left inner panel. ► P. 87
2. Remove the battery holder by removing the bolt.

3. Disconnect the negative \ominus terminal from the battery.
4. Disconnect the positive \oplus 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 \oplus terminal first. Make sure that bolts and nuts are tight.

Readjust the clock after the battery is reconnected since the clock goes wrong once the battery disconnected.

For proper handling of the battery, see "Maintenance Fundamentals." ► P. 77
 Battery Goes Dead ► P. 138

Checking Spark Plug

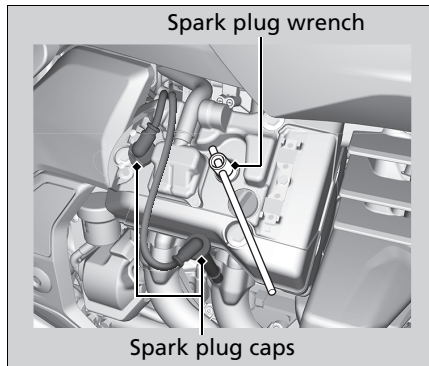
For the recommended spark plugs, see "Specifications." 📄 P. 159

Use only the recommended type of spark plugs in the recommended heat range.

NOTICE

Using spark plugs with an improper heat range can cause engine damage.

1. Remove the right and left over head covers. 📄 P. 88
2. Disconnect the spark plug caps from the spark plugs.
3. Clean any dirt from around the spark plug bases.
4. Remove the spark plugs using a spark plug wrench.

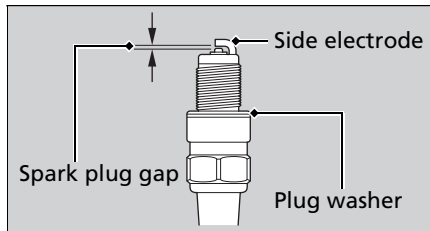


5. Inspect the electrodes and centre porcelain for deposits, erosion or carbon fouling.
 - ▶ If the erosion or deposit is heavy, replace the plug.
 - ▶ Clean a carbon or wet-fouled plug with a plug cleaner, otherwise use a wire brush.

6. Check the spark plug gap using a wire-type feeler gauge.
 - If adjustment is necessary, bend the side electrode carefully.

The gap should be:

0.80 to 0.90 mm (0.031 to 0.035 in)



7. Make sure the plug washer is in good condition.
8. With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.

9. Tighten the spark plug:
 - If the old plug is good:
 - 1/8 turn after it seats
 - If installing a new plug, tighten it twice to prevent loosening:
 - a) First, tighten the plug:
 - NGK: 1/2 turn after it seats.
 - DENSO: 1 turn after it seats.
 - b) Then loosen the plug.
 - c) Next, tighten the plug again:
 - 1/8 turn after it seats.

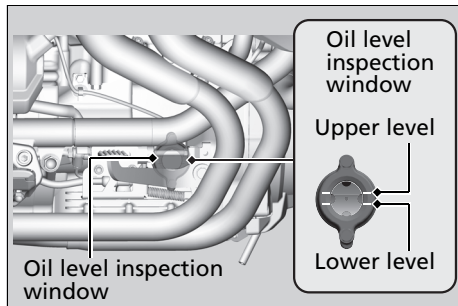
NOTICE

Improperly tightened spark plugs can damage the engine. If a plug is too loose, a piston may be damaged. If a plug is too tight, the threads may be damaged.

10. Reinstall the spark plug caps. Take care avoid pinching any cables or wires.
11. Install the parts in the reverse order of removal.

Checking the Engine Oil

1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch off, stop the engine and wait for 2 to 3 minutes.
3. Place your motorcycle in an upright position on a firm, level surface.
4. Check that the oil level is between the upper and lower level marks in 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. 79

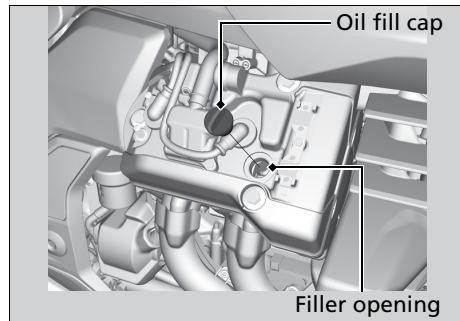
1. Remove the right over head cover. ► P. 88
2. Remove the oil fill cap. Add the recommended oil until it reaches the upper level mark.
 - Place your motorcycle in an upright position on a firm, level surface when checking the oil level.
 - Do not overfill above the upper level mark.
 - Make sure no foreign objects enter the oil filler opening.
 - Wipe up any spills immediately.

3. Securely reinstall the oil fill cap.
4. Install the right over head cover.

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. 79



Changing Engine Oil & Filter

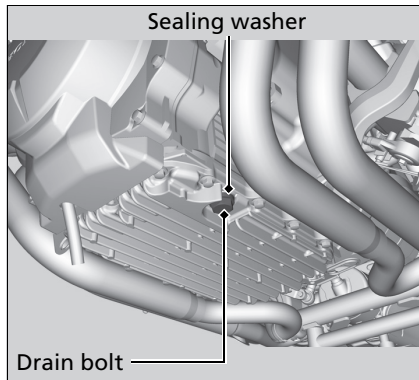
Changing the oil and filter requires special tools. We recommend that you have your motorcycle serviced by your dealer.

Use a new Honda Genuine oil filter or equivalent specified for your model.

NOTICE

Using the wrong oil filter can result in serious damage to the engine.

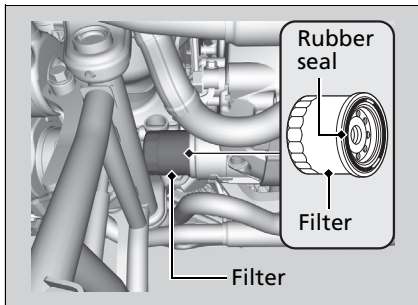
1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch off, stop the engine and wait for 2 to 3 minutes.
3. Park on a firm, level surface and lower the centre stand.



4. Place a drain pan under the drain bolt.
5. Remove the oil fill cap, drain bolt, and sealing washer to drain the oil.

- Remove the oil filter with a filter wrench and let the remaining oil drain out. Make sure the prior seal is not stuck to the engine.

► Discard the oil and oil filter at an approved recycling centre.



- Apply a thin coat of engine oil to the rubber seal of a new oil filter.
- Install a new oil filter and tighten.

Torque: 26 N·m (2.7 kgf·m, 19 lbf·ft)

- Install a new sealing washer onto the drain bolt. Tighten the drain bolt.

Torque: 29 N·m (3.0 kgf·m, 21 lbf·ft)

- Fill the crankcase with the recommended oil (► P. 79) and install the oil fill cap.

Required oil

When changing oil & engine oil filter:

3.9 litres (4.1 US qt, 3.4 Imp qt)

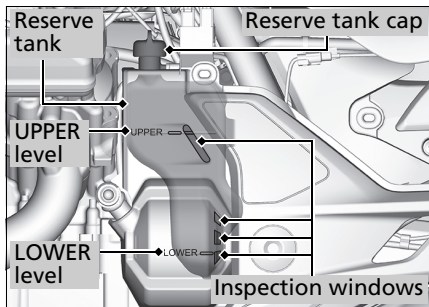
When changing oil only:

3.6 litres (3.8 US qt, 3.2 Imp qt)

- Check the oil level. ► P. 98
- Check that there are no oil leaks.

Checking the Coolant

1. Place your motorcycle on a firm, level surface.
2. Hold your motorcycle in an upright position.
3. Check that the coolant level is between the UPPER and LOWER level marks in the reserve tank from the inspection windows.



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

Adding Coolant

If the coolant level is below the LOWER level, add the recommended coolant (➤ P. 80) until the level reaches the upper level mark. Add fluid only from the reserve tank cap and do not remove radiator cap.

1. Remove the seat. ➤ P. 86
2. Remove the left over head cover. ➤ P. 88
3. Remove the left side cover. ➤ P. 89

4. 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.
5. Securely reinstall the cap.
6. Install the parts in the reverse order of removal.

WARNING

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

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

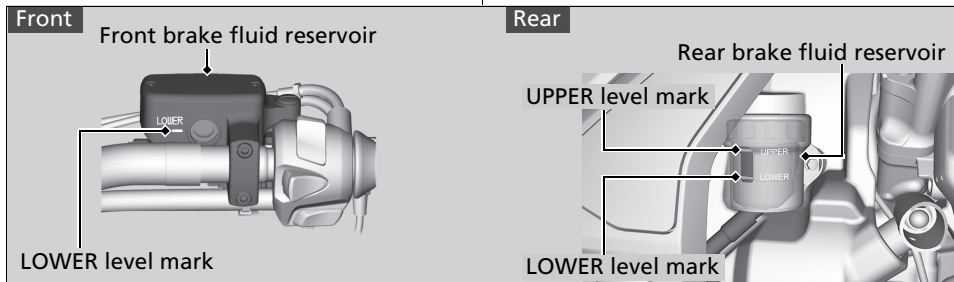
Changing Coolant

Have your dealer change the coolant unless you have the proper tools and are mechanically qualified.

Checking Brake Fluid

1. Place your motorcycle 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 above the LOWER level mark.
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 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 motorcycle inspected by your dealer.



Inspecting the Brake Pads

Check the condition of the brake pad wear indicators.

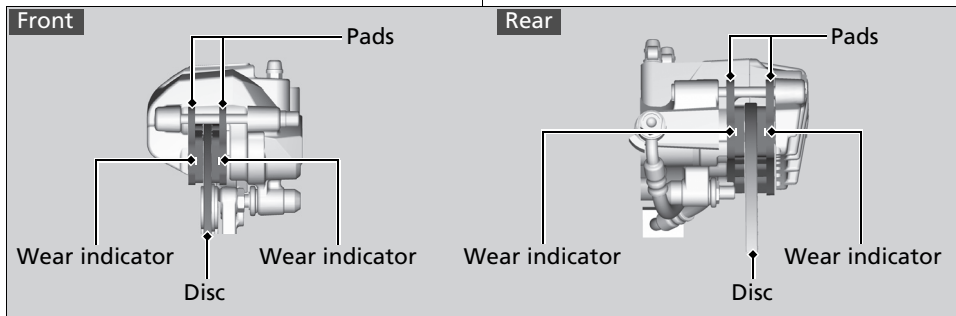
The pads need to be replaced if a brake pad is worn to the indicator.

1. **Front** Inspect the brake pads from below of the brake caliper.
► Always inspect both left and right brake calipers.

2. **Rear** Inspect the brake pads from the rear left of the motorcycle.

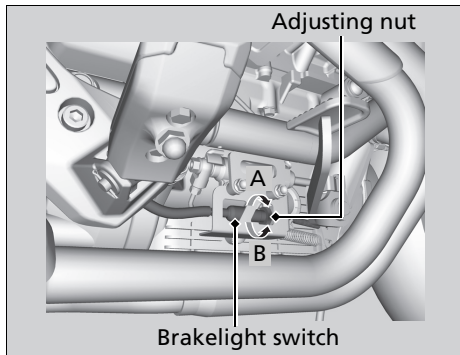
If necessary have the pads replaced by your dealer.

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

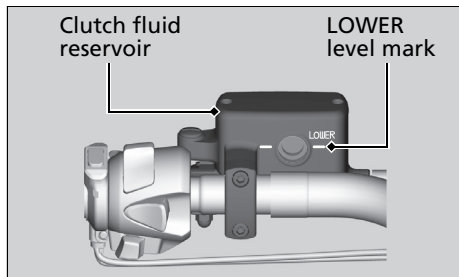


Adjusting the Brakelight Switch

Check the operation of the brakelight switch. 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.



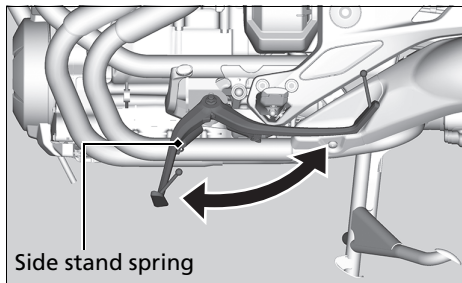
Checking Clutch Fluid



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

If the fluid level is low or if you find fluid leaks, or deterioration or cracks in the hoses and fittings, have the clutch system serviced by your dealer.

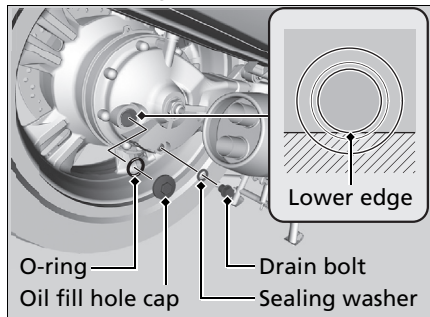
Side Stand



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 motorcycle, put the transmission in 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 motorcycle inspected by your dealer.

Changing Final Drive Oil

1. Place your motorcycle on its centre stand on a level surface.
2. Place a drain pan under the drain bolt.
3. Remove the oil fill hole cap, O-ring, drain bolt and sealing washer to drain the oil.



4. Install a new sealing washer onto the drain bolt. Tighten the drain bolt.

Torque: 20 N·m (2.0 kgf·m, 15 lbf·ft)

5. Fill the final gear with the recommended oil. ➤ P. 80

Required oil:

155 cm³ (5.2 US oz, 5.5 Imp oz)

6. Check the oil level. It should be flush with the lower edge of the oil fill hole.
7. Install a new O-ring onto the oil fill hole cap. Tighten the oil fill hole cap.

Torque: 12 N·m (1.2 kgf·m, 9 lbf·ft)

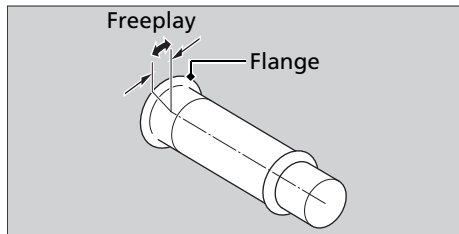
8. Check that there are no oil leaks.

Checking the Throttle

With the engine off, check that the throttle rotates smoothly from fully closed to fully open in all steering positions and throttle freeplay is correct. If the throttle does not move smoothly, close automatically, or if the cable is damaged, have the motorcycle inspected by your dealer.

Freeplay at the throttle grip flange:

2 to 6 mm (0.1 to 0.2 in)



Adjusting the Brake Lever

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

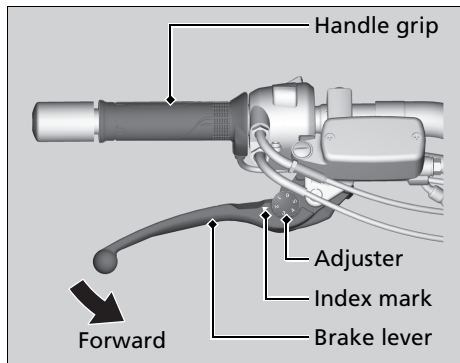
Adjustment method

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 levers operate correctly before riding.

NOTICE

Do not turn the adjuster beyond its natural limit.

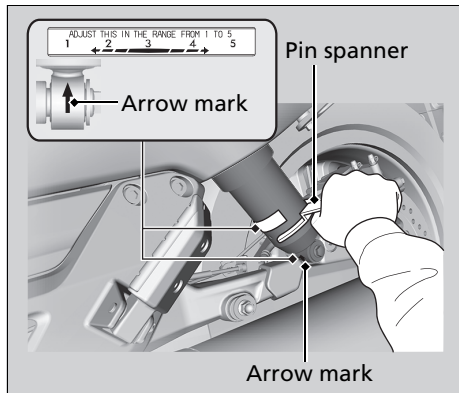


Adjusting the Rear Suspension

Spring Preload

You can adjust the spring preload by the adjuster to suit the load or the road surface.

1. Remove the right and left saddlebags.
► P. 90
2. Adjust the spring preload aligning the adjustment position with the arrow mark.
 - Use the pin spanner provided in the tool kit (► P. 67) to turn the adjuster.
 - The position 2 to 5 are for increase spring preload (hard).
 - The standard position is 1.
3. Install the parts in the reverse order of removal.



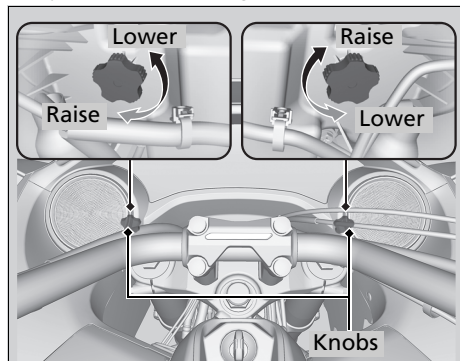
NOTICE

Adjust both left and right shock absorbers to the same spring preload.

Adjusting the Headlight Aim

You can adjust vertical aim of the headlight for proper alignment. Turn the knobs in or out as necessary.

Obey local laws and regulations.



Troubleshooting

Engine Will Not Start (HISS indicator stays on) P. 115

Overheating (High coolant temperature indicator is on).....P. 116

Warning Indicators On or FlashingP. 117

Low Oil Pressure Indicator.....P. 117

PGM-FI (Programmed Fuel Injection)

Malfunction Indicator Lamp (MIL)P. 117

ABS (Anti-lock Brake System) IndicatorP. 118

TCS (Traction Control System) Indicator ...P. 119

Other Warning Indications P. 120

Fuel Gauge Failure Indications..... P. 120

Coolant Temperature Gauge Failure

Indication P. 120

Handle Grip Heater Failure Indication P. 121

Tyre Puncture..... P. 122

Audio System Trouble P. 131

Electrical Trouble P. 138

Battery Goes Dead P. 138

Burned-out Light Bulb P. 138

Blown Fuse P. 141

Engine Will Not Start (HISS indicator stays on)

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence ➤ P. 61
- Check that there is petrol in the fuel tank
- Check if the PGM-FI malfunction indicator lamp (MIL) is on
 - ▶ If the indicator light 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 motorcycle inspected by your dealer.

Starter Motor Does Not Operate

Check the following items:

- Make sure engine stop switch is in  (Run) position ➤ P. 39
- Make sure the side stand is raised.
- Check for a blown fuse ➤ P. 141
- Check for a loose battery connection or battery terminal corrosion ➤ P. 95
- Check the condition of the battery ➤ P. 138

If the problem continues, have your motorcycle 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 and the 6th (H) segment flashes in the coolant temperature gauge.
- 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 and the 6th (H) segment to flash.

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 motorcycle 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. 102

If there is a leak:

Do not start the engine. Transport your motorcycle to your dealer.

4. Check the coolant level in the reserve tank, and add coolant as necessary.
➔ P. 102
5. If 1–4 check normal, you may continue riding, but closely monitor the temperature gauge.

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. 98
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 motorcycle may have a leak or another serious problem. Have your motorcycle inspected by your dealer.

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

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

ABS (Anti-lock Brake System) Indicator

If the indicator operates in one of the following ways, you may have a serious problem with the brake system. Reduce your speed and have your motorcycle 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 your motorcycle is lifted off the ground. In this case, turn the ignition switch off and then on again. The ABS indicator will go off after your speed reaches 30 km/h (19 mph).

TCS (Traction Control System) Indicator

If the indicator operates in one of the following ways, you may have a serious problem with the TCS (Traction Control System). Reduce your speed and have your motorcycle inspected by your dealer as soon as possible.

- Indicator comes on while riding.
- Indicator does not come on when the ignition switch is turned on.
- Indicator does not go off at speeds above 10 km/h (6 mph).

Even when the TCS indicator is on, your motorcycle will have normal riding ability without TCS function.

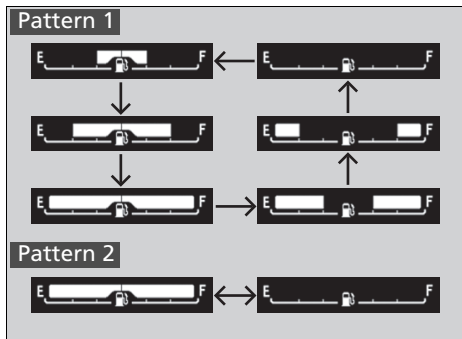
- When the indicator comes on while the TCS is in operation, you will have to close the throttle grip completely to regain normal riding ability.

The TCS indicator may come on if you turn the rear wheel while your motorcycle is lifted off the ground. In this case, turn the ignition switch off and then on again. The TCS indicator will go off after your speed reaches 10 km/h (6 mph).

Other Warning Indications

Fuel Gauge Failure Indications

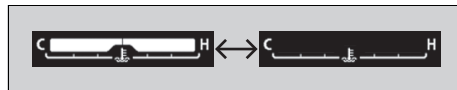
If the fuel system has an error, the fuel gauge will be displayed as shown in the illustration. If these occur, see your dealer as soon as possible.



Coolant Temperature Gauge Failure Indication

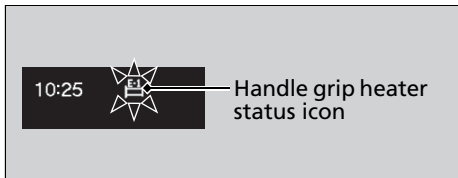
If the cooling system has an error, all segments will blink or go off as shown in the illustration.

If this occurs, see your dealer as soon as possible.



Handle Grip Heater Failure Indication

If the handle grip heater system has an error, the handle grip heater status icon will blink. If the "E-1", "E-2" or "E-3" blinking does not go off, see your dealer as soon as possible.



Tyre Puncture

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

Emergency Repair Using a Tyre Repair Kit

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

Follow the instructions provided with the emergency tyre repair kit.

Riding your motorcycle 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 motorcycle 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.

Removing Wheels

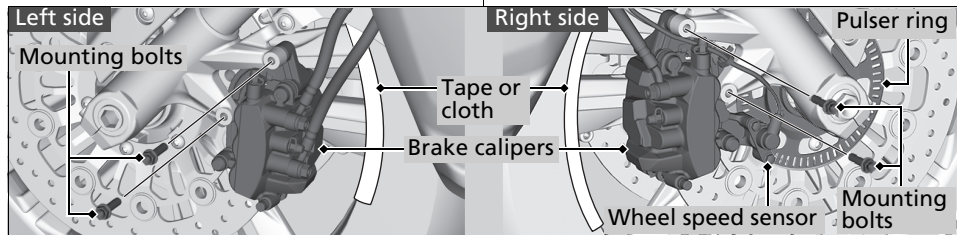
Follow these procedures if you need to remove a wheel in order to repair a puncture.

When removing and installing the wheel, be careful not to damage the wheel speed sensor and pulser ring.

Front Wheel

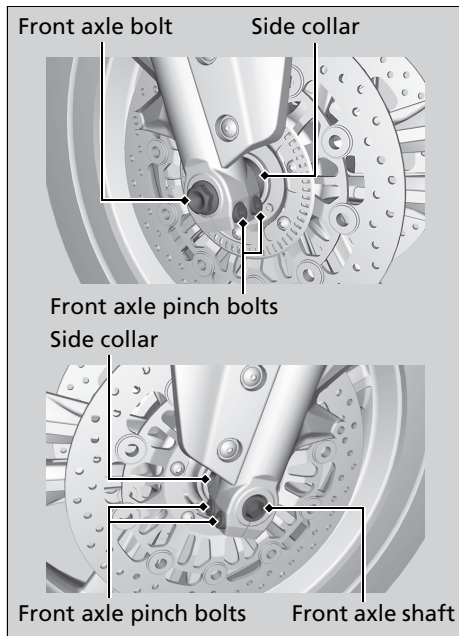
Removal

1. Park on a firm, level surface.
2. Cover both sides of the front wheel and brake calipers with protective tape or cloth.
3. On the left side, remove the mounting bolts and remove the brake caliper.
4. On the right side, remove the mounting bolts and remove the brake caliper.
 - Support the brake caliper assembly so that it doesn't hang from the brake hose. Do not twist the brake hose.
 - Avoid getting grease, oil, or dirt on the disc or pad surfaces.
 - Do not pull the brake lever or push the brake pedal while the brake caliper is removed.
 - Take care to prevent the brake caliper from scratching the wheel during removal.



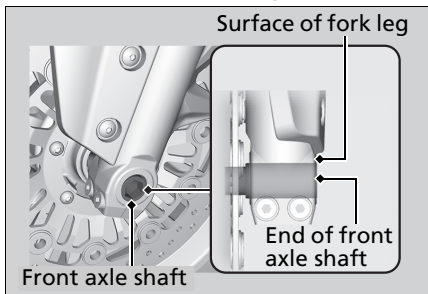
Tyre Puncture ► Removing Wheels

5. Loosen the right front axle pinch bolts.
6. Remove the front axle bolt.
7. Support your motorcycle securely and raise the front wheel off the ground using a maintenance stand or a hoist.
8. Loosen the left front axle pinch bolts.
9. On the left side, withdraw the front axle shaft, and remove the side collars and wheel.



Installation

1. Attach the side collars to the wheel.
2. On the left side, place the wheel between the fork legs and insert the front axle shaft to the end, through the left fork leg and wheel hub.
3. Align the end of the front axle shaft with the surface of the fork leg.



4. Tighten the left axle pinch bolts to hold the front axle shaft.
5. Install and tighten the axle bolt.

Torque: 59 N·m (6.0 kgf·m, 44 lbf·ft)

6. Loosen the left axle pinch bolts.
7. Tighten the right axle pinch bolts.

Torque: 27 N·m (2.8 kgf·m, 20 lbf·ft)

Tyre Puncture ► Removing Wheels

8. Install the right brake caliper and tighten new mounting bolts.

Torque: 31 N·m (3.2 kgf·m, 23 lbf·ft)

9. Install the left brake caliper and tighten new mounting bolts.

Torque: 31 N·m (3.2 kgf·m, 23 lbf·ft)

- Take care to prevent the brake caliper from scratching the wheel during installation.
- Use new mounting bolts when installing the brake calipers.

NOTICE

When installing the brake calipers into position on the fork legs, carefully fit the brake disc between the pads to avoid scratching them.

10. Lower the front wheel on the ground.
11. Apply the brake lever and brake pedal several times.

12. Apply the brake lever and pump the fork several times.

13. Retighten the left axle pinch bolt.

Torque: 27 N·m (2.8 kgf·m, 20 lbf·ft)

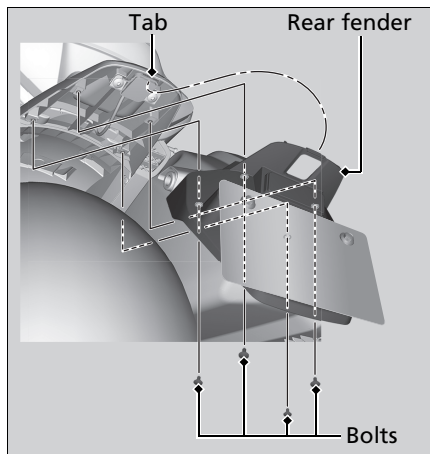
14. Raise the front wheel off the ground again, and check that the wheel rotates freely after you release the brake.
15. Remove the protective tape or cloth.

If a torque wrench was not used for installation, see your dealer as soon as possible to verify proper assembly. Improper assembly may lead to loss of braking capacity.

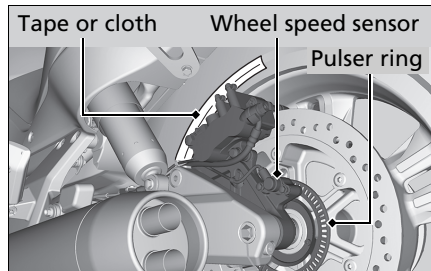
Rear Wheel

Removal

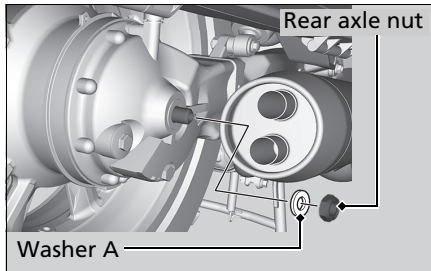
1. Place your motorcycle on its centre stand on a level surface.



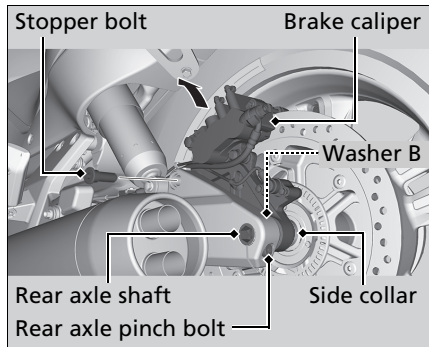
2. Remove the left saddlebag. ► P. 90
3. Remove the bolts.
4. Remove the rear fender by releasing the tab.
5. Cover left side of the rear wheel and brake caliper with protective tape or cloth.



6. Remove the rear axle nut and washer A.

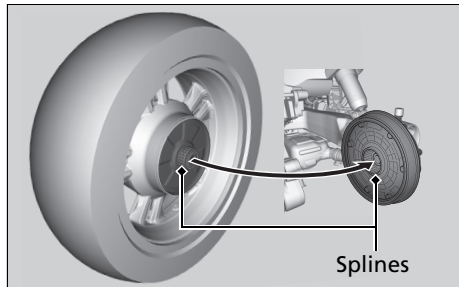


7. Remove the rear brake caliper stopper bolt.
8. Loosen the rear axle pinch bolt.
9. Withdraw the rear axle shaft, and remove the washer B.
10. Release the rear brake caliper.
11. Remove the rear wheel and side collar.



Installation

Before installing the rear wheel, check that the wheel hub and final drive gear splines are coated with molybdenum disulfide paste.

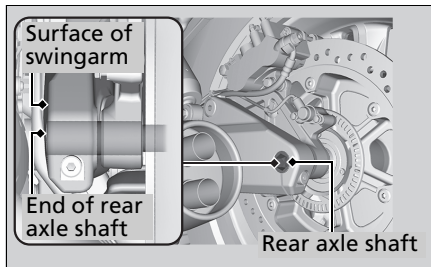


1. To install the rear wheel, reverse the removal procedure.
 - Take care to prevent the brake caliper from scratching the wheel during installation.
 - Be sure the splines on the wheel hub fit into the final drive gear case.
 - Use a new stopper bolt when installing the brake caliper.

NOTICE

When installing the brake caliper into position, carefully fit the brake disc between the pads to avoid scratching them.

- Align the end of the rear axle shaft with the surface of the swingarm.



- Tighten the rear brake caliper stopper bolt.

Torque: 69 N·m (7.0 kgf·m, 51 lbf·ft)

- Tighten the rear axle pinch bolt to hold the rear axle shaft.
- Tighten the rear axle nut.

Torque: 98 N·m (10.0 kgf·m, 72 lbf·ft)

- Lower the rear wheel on the ground.
- Loosen the rear axle pinch bolt.
- Pump the swingarm up and down to seat the axle by pushing the rear end of the seat several times.
- Tighten the rear axle pinch bolt.

Torque: 27 N·m (2.8 kgf·m, 20 lbf·ft)

- After installing the wheel, apply the brake pedal several times, then recheck the wheel rotates freely. Recheck the wheel if the brake drags or if the wheel does not rotate freely.

If a torque wrench was not used for installation, see your dealer as soon as possible to verify proper assembly. Improper assembly may lead to loss of braking capacity.

Audio System Trouble

Symptom	Cause/remedy
Unable to pair <i>Bluetooth</i> ® device	Some <i>Bluetooth</i> ® devices and applications software you use may be incompatible with the audio system and/or the operable functions may be limited.
	Check that the audio system and <i>Bluetooth</i> ® device are both in the pairing mode. ➤ P. 51
	Check that the PIN code of <i>Bluetooth</i> ® sound device is set at "0000".
	The audio system may not be properly connected when another <i>Bluetooth</i> ® device is being paired at the same time. Check your surroundings to make sure no other device being paired is present before re-pairing. Presence of a <i>Bluetooth</i> ® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	When connecting a <i>Bluetooth</i> ® sound device, make sure no other sound device readied for pairing is present. Presence of a <i>Bluetooth</i> ® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	When you repeatedly fail in pairing, try to reset the pairing information. ➤ P. 54

Audio System Trouble

Symptom	Cause/remedy
Unable to connect <i>Bluetooth</i> ® device	Depending on the <i>Bluetooth</i> ® device and application software you use, it may take some time for the audio system to connect to device and to start playing an audio file.
	The connection may be temporarily disconnected when starting the engine, which is normal and not a malfunction. The <i>Bluetooth</i> ® device will be reconnected after the engine is started.
	Connection processing is performed only when it is in the audio modes which is for <i>Bluetooth</i> ® devices. Check the audio mode being selected. ➤ P. 50
	Change the audio mode (➤ P. 50) or turn off the power to the audio system and then turn it on again. The audio system will retry connecting to the <i>Bluetooth</i> ® device.
	Check that your <i>Bluetooth</i> ® device has been paired.
	Referring to the instruction manual of your <i>Bluetooth</i> ® device, check that your <i>Bluetooth</i> ® device is in connectable state.

Symptom	Cause/remedy
Unable to connect <i>Bluetooth</i> ® device	Some <i>Bluetooth</i> ® devices and applications software you use may not be connected automatically. For connecting, follow the instructions in the instruction manual of your <i>Bluetooth</i> ® device.
	The <i>Bluetooth</i> ® devices that can be connected at the same time are limited to one audio device and one sound device. If another device is paired, the pairing information will be overwritten. When re-pairing a previously paired <i>Bluetooth</i> ® device, reset the pairing information before performing the procedure. ➤ P. 54
	When your <i>Bluetooth</i> ® device is registered with another <i>Bluetooth</i> ® device, your device may be connected to the device but not to the audio system. For connecting properly, follow the instructions in the instruction manual of your <i>Bluetooth</i> ® device.
	If the problem continues after the above-described inspection, perform re-pairing after resetting the pairing information. ➤ P. 51, 54

Symptom	Cause/remedy
<p>Connected, but does not play.</p>	<p>Some <i>Bluetooth</i>® devices and applications software you use may be incompatible with the audio system and/or audio files may not be played properly. Check the recommended specifications. ➤ P. 46</p> <p>Depending on the <i>Bluetooth</i>® device and applications software you use, an audio file may not be played automatically. For playing, follow the instructions in the instruction manual of your <i>Bluetooth</i>® device.</p> <p>Depending on the <i>Bluetooth</i>® device and applications software you use, an audio file may not be played normally after receiving a telephone call, etc. Change the audio mode (➤ P. 50) or turn off the power to the audio system and then turn it on again. If it still does not play even after the aforementioned operation, check that your <i>Bluetooth</i>® device is in playable state.</p>
<p>Takes some time to start playing after turning the power on or changing the audio mode.</p>	<p>Right after the power is turned on or the audio mode is changed, the audio system may take some time to connect to an audio device and to start playing an audio file. Also, the audio system may not allow any audio control operation while preparing to play an audio file.</p>

Symptom	Cause/remedy
Sounds skip Noises mix	Presence of another <i>Bluetooth</i> ® device or a device that emits electromagnetic waves such as communication equipment in the vicinity sometimes affects the communication.
	Due to the characteristics of <i>Bluetooth</i> ®, though in rare cases, the system operation may become unstable. When it remains unstable, turn off the power to the audio system or the device being used, and then turn it on again.
	The storage location of the <i>Bluetooth</i> ® device sometimes affects the audio system and communication. When sounds skip or noises mix, change the location of the device. For example, when the device is kept in a pocket of clothing sandwiched in between the rider and passenger, the communication may be affected. (The <i>Bluetooth</i> ® receiver is located near the front of the left saddle bag.) Also, weather, buildings in vicinity, road conditions, etc. can sometimes affect the communication.

Audio System Trouble

Symptom	Cause/remedy
Sounds skip Noises mix	Depending on the <i>Bluetooth</i> ® device and applications software you use, an audio file may not be played normally after receiving a telephone call, etc. Change the audio mode (▶ P. 50) or turn off the power to the audio system and then turn it on again. If the skipping of sounds or mixing of noises continues, check the status of your <i>Bluetooth</i> ® device.
	Reset the pairing information before re-pairing. ▶ P. 51, 54
	Check the recommended specifications. ▶ P. 46
No or inaccurate display	Depending on the audio device and the audio file, nothing may be displayed or the display may be inaccurate in some cases.
	Check the information on available tags. ▶ P. 47
	When the information in an audio file such as the artist name and track title is in a non-compliant tag format, it may be indicated by “. ” or no information will be shown.

Symptom	Cause/remedy
About USB device	Some USB devices may be incompatible with the audio system and/or their operable functions may be limited.
	When the audio system does not recognize the USB device connected to the USB connector, turn the ignition switch off and then turn it on again.
	When a large number of files are stored in the USB flash drive, it sometimes takes a long time before starting to play an audio file. Reduce the number of files in the USB flash drive.
	Check that the audio file stored in the USB flash drive is in a playable file format. ➤ P. 47

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

Battery Goes Dead

Charge the battery using a motorcycle battery charger.

Remove the battery from the motorcycle 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.

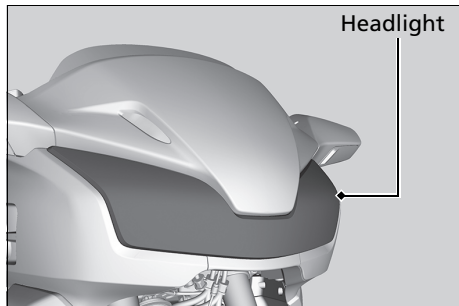
NOTICE

Jump starting using an automobile battery is not recommended, as this can damage your motorcycle's electrical system.

Burned-out Light Bulb

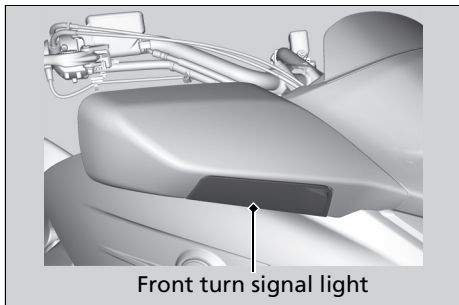
All light bulbs on the motorcycle are LEDs. If there is a LED which is not turned on, see your dealer for this service.

Headlight



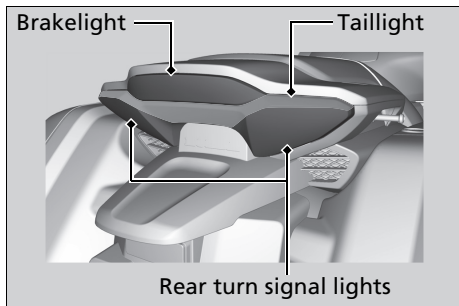
The headlight uses several LEDs. If there is a LED which is not turned on, see your dealer for this service.

Front Turn Signal Light



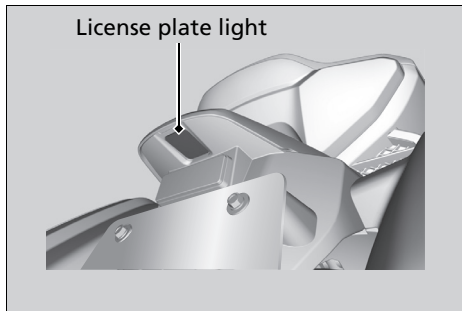
The front turn signal light uses several LEDs. If there is a LED which is not turned on, see your dealer for this service.

Brakelight/Taillight/Rear Turn Signal Light



The brakelight, taillight and rear turn signal lights use several LEDs. If there is a LED which is not turned on, see your dealer for this service.

License Plate Light

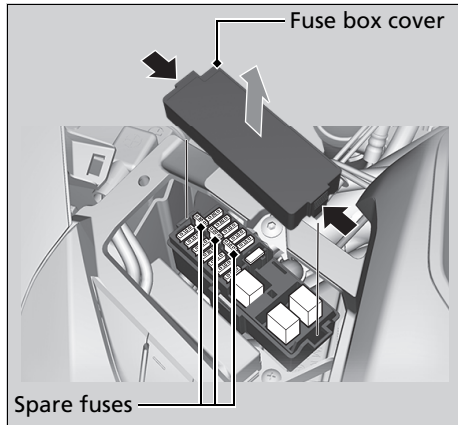


The license plate light uses several LEDs. If there is a LED which is not turned on, see your dealer for this service.

Blown Fuse

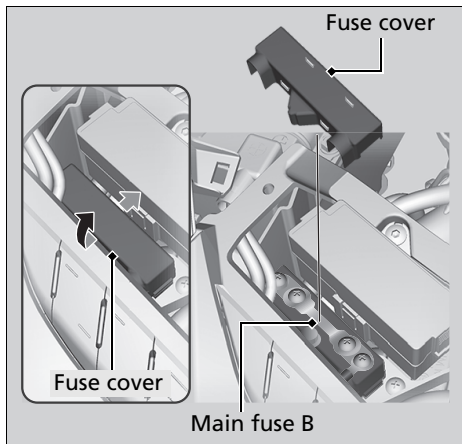
Before handling fuses, see “Inspecting and Replacing Fuses.” ► P. 78

Fuse Box Fuses



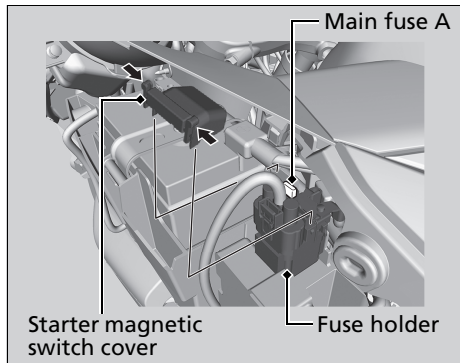
1. Remove the left inner panel. ► P. 87
2. Remove the left fairing pocket. ► P. 91
3. Remove the fuse box cover.
4. Pull the fuses out one by one with the fuse puller in the tool kit (► P. 67) and check for a blown fuse. Always replace a blown fuse with a spare of the same rating.
5. Reinstall the fuse box cover.
6. Install the parts in the reverse order of removal.

■ Main Fuse B



1. Remove the left inner panel. ► P. 87
2. Remove the left fairing pocket. ► P. 91
3. Remove the fuse cover.
4. Check for a blown fuse. If main fuse B is blown, see your dealer for this service.
5. Reinstall the fuse cover.
6. Install the parts in the reverse order of removal.

I Main Fuse A



1. Remove the left inner panel. ► P. 87
2. Remove the left shroud. ► P. 92
3. Remove the left middle cowl. ► P. 93
4. Remove the starter magnetic switch cover.
5. Pull the main fuse A out with the fuse puller in the tool kit (► P. 67) and check for a blown fuse.
Always replace a blown fuse with a spare of the same rating.
► Spare fuses are provided in the fuse box. ► P. 141
6. Install the parts in the reverse order of removal.

NOTICE

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

Information

Keys	P. 145
Instruments, Controls, & Other Features ..	P. 146
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Caring for Your Motorcycle	P. 151
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Keys

Ignition key

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

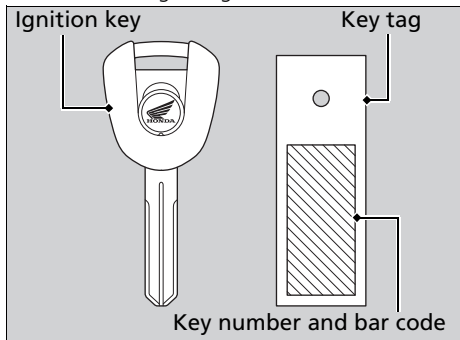
key.

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 motorcycle to your dealer.

► Store the 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

The headlight is always on when the ignition switch is ON. Leaving the ignition switch ON 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 off. Failing to do so will drain the battery.

Odometer

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


Tripmeter

The tripmeter A returns to 0.0 when the read-out exceeds 999.9.

The tripmeter B returns to 0.0 when the 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 off, the HISS immobilizer system is always alert, even if the HISS indicator is not flashing.

If the ignition switch is turned on 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. 115

The HISS indicator starts flashing every 2 seconds for 24 hours after the ignition switch is turned off. You can turn this feature on or off.

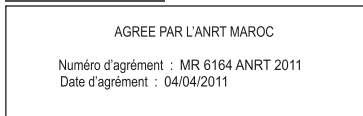
❗ P. 28, 30

EC Directive

This immobilizer system complies with R & TTE (Radio and Telecommunications Terminal Equipment and the mutual recognition of their conformity) Directive.



The declaration of conformity to R & TTE 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**

Audio system

EC Directive

This audio systems complies with R & TTE (Radio and Telecommunications Terminal Equipment and the mutual recognition of their conformity) Directive.



The declaration of conformity to R & TTE 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



Document Bag

The owner's manual, registration, and insurance information can be stored in the plastic document bag located in the left saddlebag. ➤ P. 67

Ignition Cut-off System

A banking (lean angle) sensor automatically stops the engine and fuel pump if the motorcycle falls over. To reset the sensor, you must turn the ignition switch to OFF and back to the ON position before the engine can be restarted.

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 motorcycle:

- 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 Converters

This motorcycle is equipped with two 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 motorcycle's catalytic converter.

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

Caring for Your Motorcycle

Frequent cleaning and polishing is important to ensure the life of your Honda. A clean motorcycle 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 motorcycle 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 motorcycle thoroughly using a garden hose to remove loose dirt.
2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
 - ▶ Clean the windscreen, headlight lens, panels, and other plastic components with extra care to avoid scratching them. Avoid

directing water into the air cleaner, muffler, and electrical parts.

3. Thoroughly rinse your motorcycle with plenty of clean water and dry with a soft, clean cloth.
4. After the motorcycle 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. 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 motorcycle. Keep the wax clear of the tyres and brakes.
 - ▶ If your motorcycle has any mat painted parts, do not apply a coat of wax to the mat painted surface.

Washing Precautions

Follow these guidelines when washing:

- Do not use high-pressure washers:
 - ▶ High-pressure water cleaners can damage moving parts and electrical parts, rendering them inoperable.
 - Do not direct water at the muffler:
 - ▶ Water in the muffler can prevent starting and causes rust in the muffler.
 - Dry the brakes:
 - ▶ Water adversely affects braking effectiveness. After washing, apply the brakes intermittently at low speed to help dry them.
 - Do not direct water in the left saddlebag:
 - ▶ Water in the left saddlebag 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.
 - 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.

Panels

Follow these guidelines to prevent scratches and blemishes:

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

Windscreen

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

NOTICE

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

For a dirtier windscreen, use a diluted neutral detergent with a sponge and plenty of water. Make sure to wash off all the detergent. (Detergent residue may cause windscreen cracks.)

Replace the windscreen if scratches cannot be removed and they obstruct clear vision.

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

Exhaust Pipe and Muffler

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

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

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

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 Motorcycle

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

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

- Wash your motorcycle and wax all painted surfaces (except mat painted surfaces).
Coat chrome pieces with rust-inhibiting oil.
- Place your motorcycle on its centre stand and position a block so that both tyres are off the ground.
- After rain, remove the body cover and allow the motorcycle to dry.
- Remove the battery (➤ P. 95) to prevent discharge.
Charge the battery in a shaded, well-ventilated area.
 - ▶ If you leave the battery in place, disconnect the negative ⊖ terminal to prevent discharge.

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

Transporting Your Motorcycle

If your motorcycle 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 motorcycle with a wheel or wheels on the ground.

NOTICE

Towing your motorcycle can cause serious damage to the transmission.

You & the Environment

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

Choose Sensible Cleaners

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

Recycle Wastes

Put oil and other toxic wastes in approved containers and take them to a recycling centre. Call your local or state office of public works or environmental services to find a recycling centre in your area, and to get instructions on how to dispose of non-recyclable wastes. Do not place used engine oil in the trash, or pour it down a

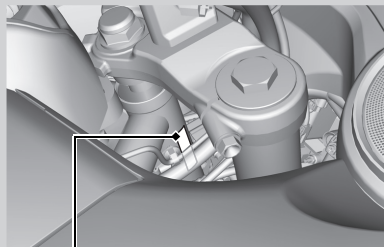
drain or on the ground. Used oil, petrol, coolant, and cleaning solvents contain poisons that can hurt refuse workers and contaminate drinking water, lakes, rivers, and oceans.

Serial Numbers

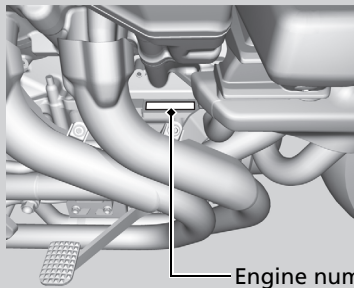
The frame and engine serial numbers uniquely identify your motorcycle and are required in order to register your motorcycle. They may also be required when ordering replacement parts. The frame number is stamped on the right side of the steering head.

The engine number is stamped on the right side of the crankcase.

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



Frame number



Engine number

Specifications

■ Main Components

Type	SC74
Overall length	2,380 mm (93.7 in)
Overall width	940 mm (37.0 in)
Overall height	1,170 mm (46.1 in)
Wheelbase	1,645 mm (64.8 in)
Minimum ground clearance	130 mm (5.1 in)
Caster angle	28° 53'
Trail	118 mm (4.6 in)
Curb weight	338 kg (745 lb)
Maximum weight capacity*1	192 kg (423 lb)
Maximum luggage weight*2	25 kg (55 lb)
Passenger capacity	Rider and 1 passenger
Minimum turning radius	3.24 m (10.63 ft)

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

*2 Includes the weight of the luggage and added accessories.

Displacement	1,261 cm ³ (76.9 cu-in)
Bore x stroke	78 x 66 mm (3.1 x 2.6 in)
Compression ratio	10.0:1
Fuel	Unleaded petrol Recommended: 91 RON or higher
Tank capacity	19 litres (5.0 US gal, 4.2 Imp gal)
Battery	YTZ14S 12V-11.2Ah (10 HR) / 11.8Ah (20 HR)
	1st 2.571
	2nd 1.722
Gear ratios	3rd 1.285
	4th 1.041
	5th 0.862
Reduction ratios (primary / secondary / final)	1.785 / 0.878 / 2.833

■ Service Data

Tyre size	Front	130/70R18M/C 63V
	Rear	200/50R17M/C 75V
Tyre type	Radial, tubeless	
Recommended Tyres	Front	DUNLOP D423F BRIDGESTONE G853 RADIAL F
	Rear	DUNLOP D423 BRIDGESTONE G852 RADIAL F
Tyre air pressure	Front	250 kPa (2.50 kgf/cm ² , 36 psi)
	Rear	290 kPa (2.90 kgf/cm ² , 42 psi)
Minimum tread depth	Front	1.5 mm (0.06 in)
	Rear	2.0 mm (0.08 in)
Spark plugs	(standard)	CR7EH-9 (NGK) or U22FER9 (DENSO)
	(For extended high speed riding)	CR8EH-9 (NGK) or U24FER9 (DENSO)
Spark plug gap	0.80 to 0.90 mm (0.031 to 0.035 in)	
Idle speed	1,000 ± 100 rpm	
Recommended engine oil	Honda 4-stroke motorcycle oil API Service Classification SG or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard MA	

Engine oil capacity	After draining	3.6 litres (3.8 US qt, 3.2 Imp qt)
	After draining & engine oil filter change	3.9 litres (4.1 US qt, 3.4 Imp qt)
	After disassembly	4.7 litres (5.0 US qt, 4.1 Imp qt)
Recommended final drive oil	Hypoid gear oil SAE 80	
Final drive oil capacity	After draining	155 cm ³ (5.2 US oz, 5.5 Imp oz)
	After disassembly	175 cm ³ (5.9 US oz, 6.2 Imp oz)
Recommended brake (clutch) fluid	Honda DOT 4 Brake Fluid	
Cooling system capacity	3.00 litres (3.17 US qt, 2.64 Imp qt)	
Recommended coolant	Pro Honda HP Coolant	

Specifications

■ Bulbs

Headlight	LED
Brakelight	LED
Taillight	LED
Front turn signal lights	LED
Rear turn signal lights	LED
License plate light	LED

■ Fuses

Main fuse	A	30A
	B	65A
Other fuses	30A, 20A, 10A	

■ Torque Specifications

Engine oil drain bolt	29 N·m (3.0 kgf·m, 21 lbf·ft)
Oil filter	26 N·m (2.7 kgf·m, 19 lbf·ft)
Final drive oil fill hole cap	12 N·m (1.2 kgf·m, 9 lbf·ft)
Final drive oil drain bolt	20 N·m (2.0 kgf·m, 15 lbf·ft)
Front wheel axle bolt	59 N·m (6.0 kgf·m, 44 lbf·ft)
Front wheel brake caliper mounting bolts	31 N·m (3.2 kgf·m, 23 lbf·ft)
Front wheel axle pinch bolts	27 N·m (2.8 kgf·m, 20 lbf·ft)
Rear wheel axle nut	98 N·m (10.0 kgf·m, 72 lbf·ft)
Rear wheel brake caliper stopper bolt	69 N·m (7.0 kgf·m, 51 lbf·ft)
Rear wheel axle pinch bolts	27 N·m (2.8 kgf·m, 20 lbf·ft)

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