



OWNER'S MANUAL

XR190L



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

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

# Welcome

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

To ensure your safety and riding pleasure:

- Read this owner's manual carefully.
- Follow all recommendations and procedures contained in this manual.
- Pay close attention to safety messages contained in this manual and on the vehicle.
- The following codes in this manual indicate each destination.
- The illustrations here in are based on the XR190L III CO type.

## Destination Codes

| Code | Destination |
|------|-------------|
|------|-------------|

|               |  |
|---------------|--|
| <b>XR190L</b> |  |
|---------------|--|

|        |          |
|--------|----------|
| III CO | Colombia |
|--------|----------|

|        |           |
|--------|-----------|
| III AG | Argentina |
|--------|-----------|

|    |                                                                   |
|----|-------------------------------------------------------------------|
| SA | Ukraine, South Africa,<br>Namibia, Botswana,<br>Eswatini, Lesotho |
|----|-------------------------------------------------------------------|

\*The specifications may vary with each locale.

## A Few Words About Safety

Your safety, and the safety of others, is very important. Operating this vehicle safely is an important responsibility.

To help you make informed decisions about safety, we have provided operating procedures and other information on safety labels and in this manual. This information alerts you to potential hazards that could hurt you or others.

Of course, it is not practical or possible to warn you about all hazards associated with operating or maintaining a vehicle. You must use your own good judgement.

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

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

### **DANGER**

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

### **WARNING**

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

### **CAUTION**

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

**Other important information is provided under the following titles:**

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

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**Operation Guide**

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**Maintenance**

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# Vehicle Safety

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

|                                             |              |
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# Safety Guidelines

Follow these guidelines to enhance your safety:

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

## Always Wear a Helmet

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

## Before Riding

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

## Take Time to Learn & Practice

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

## Safety Guidelines

### **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.

### **Be Alert for Off-road Hazards**

The terrain can be present a variety of challenges when you ride off-road. Continually “read” the terrain for unexpected turns, drop-offs, rocks, ruts and other hazards. Always keep your speed low enough to allow time to see and react to hazards.

### **Ride within Your Limits**

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

### **Don't Drink or Use Drugs and Ride**

Alcohol or drugs and riding don't mix. Even one alcoholic drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. The same is true for drug use. Don't drink or use and ride, and don't let your friends do it either.

## Keep Your Honda in Safe Condition

It's important to keep your vehicle properly maintained and in safe riding condition. Having a breakdown can be difficult, especially if you are stranded off-road far from your base. Inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits (➡ P. 18), and do not modify your vehicle or install accessories that would make your vehicle unsafe (➡ P. 16).

## If You are Involved in a Crash

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

If you decide to continue riding, first turn the ignition switch to the  (Off) position, and evaluate the condition of your vehicle. Inspect for fluid leaks, check the tightness of critical nuts and bolts, and check the handlebar, control levers, brakes, and wheels. Ride slowly and cautiously.

Your vehicle may have suffered damage that is not immediately apparent. Have your vehicle thoroughly checked at a qualified service facility as soon as possible.

## Safety Guidelines

### Carbon Monoxide Hazard

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

If you run the engine in a confined or even partly enclosed area, the air you breathe could contain a dangerous amount of carbon monoxide.

Never run your vehicle inside a garage or other enclosure.

### **WARNING**

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

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

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

# Image Labels

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

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

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



Read instructions contained in Owner's Manual carefully.



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



**DANGER (with RED background)**

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

**WARNING (with ORANGE background)**

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

**CAUTION (with YELLOW background)**

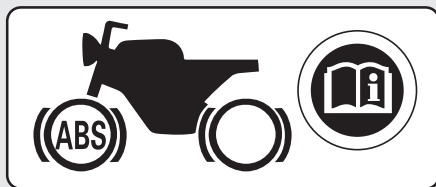
You CAN be HURT if you don't follow instructions.

sample



### **BATTERY LABEL DANGER**

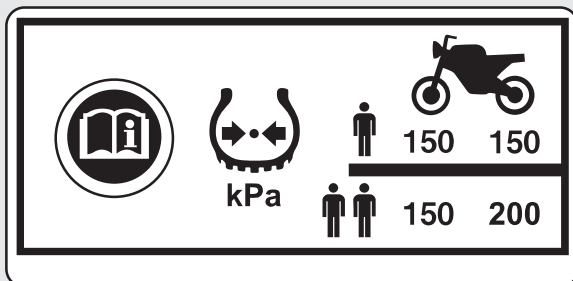
- Keep flame and spark away from the battery. Battery produce explosive gas that can cause explosion.
- Wear the eye protection and rubber gloves when handling the battery, or you can get burned or lose your eyesight by the battery electrolyte.
- Do not allow children and other people to touch a battery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



### ABS INFORMATION LABEL

III CO, III AG type

This model equipped with an Anti-lock Brake System (ABS) on front wheel.



### TYRE INFORMATION LABEL

Cold tyre pressure:

[Driver only]

Front **150 kPa (1.50 kgf/cm<sup>2</sup>, 22 psi)**

Rear **150 kPa (1.50 kgf/cm<sup>2</sup>, 22 psi)**

[Driver and passenger]

Front **150 kPa (1.50 kgf/cm<sup>2</sup>, 22 psi)**

Rear **200 kPa (2.00 kgf/cm<sup>2</sup>, 29 psi)**



### SAFETY REMINDER LABEL

For your protection, always wear helmet, protective apparel.

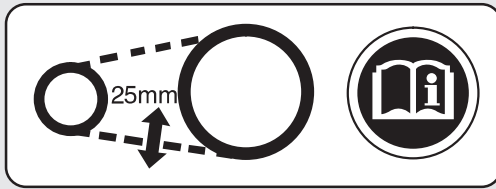
#### FUEL LABEL

Unleaded petrol only

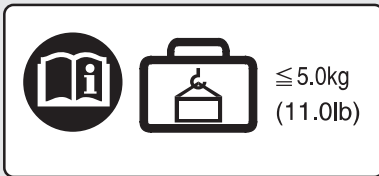
ETHANOL up to 10 % by volume

Research Octane Number (RON) 90 or higher

## Image Labels

**DRIVE CHAIN LABEL**

Keep chain adjusted and lubricated.  
Freeplay **20 - 30 mm (0.8 - 1.2 in)**

**CARGO LIMIT LABEL**

Do not exceed **5.0 kg (11.0 lb)**.

**AIR CLEANER ELEMENT NOTICE LABEL**

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.

# Safety Precautions

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

## Protective Apparel

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

### ■ Helmet

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

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

## ⚠ WARNING

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

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

### ■ Gloves

Full-finger leather gloves with high abrasion resistance

### ■ Boots or Riding Shoes

Sturdy boots with non-slip soles and ankle protection

## Riding Precautions

### ■ Jacket and Trousers

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

### ■ Additional Off-road Gear

On-road apparel may also be suitable for casual off-road riding. But if you plan on any serious off-road riding you will need more serious off-road gear. In addition to your helmet and eye protection, we recommend off-road motorcycle boots and gloves, riding pants with knee and hip pads, a jersey with elbow pads, and a chest/shoulder protector.

## Riding Precautions

### Running-in Period

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

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

## Brakes

Observe the following guidelines:

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

## Anti-lock Brake System (ABS) on Front Wheel

### III CO, III AG type

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

- There is no ABS function to the rear wheel.
- 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 may recoil slightly when applying the brakes. This is normal.
- Always use the recommended front/rear tires and sprockets to ensure correct ABS operation.

## Riding Precautions

### ■ Engine Braking

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

### ■ Wet or Rainy Conditions

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

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

### Parking

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

### ■ Parking with the Side Stand

1. Stop the engine.
2. Push the side stand down.
3. Slowly lean the vehicle to the left until its weight rests on the side stand.
4. Turn the handlebar fully to the left.
  - ▶ Turning the handlebar to the right reduces stability and may cause the vehicle to fall.
5. Turn the ignition switch to the  (Lock) position and remove the key. ➡ P. 36

### Refuelling and Fuel Guidelines

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

- Use only unleaded petrol.
- Use the recommended octane number.  
Using lower octane petrol will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. ➡ P. 113
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

## Accessories & Modifications

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

### **WARNING**

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

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

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

## Off-Road Safety

Learn to ride in an uncongested off-road area free of obstacles before venturing onto unfamiliar terrain.

- Always obey local off-road riding laws and regulations.
- Obtain permission to ride on private property. Avoid posted areas and obey "NO Trespassing" signs.
- Ride with a friend on another vehicle so that you can assist each other in case of trouble.
- Familiarity with your vehicle is critically important should a problem occur far from help.
- Never ride beyond your ability and experience or faster than conditions warrant.
- If you are not familiar with the terrain, ride cautiously. Hidden rocks, holes, or ravines could spell disaster.

- A muffler is required in most off-road areas. Don't modify your exhaust system. Remember that excessive noise bothers everyone and creates a bad image for motorcycling.

## Loading

# Loading

- Carrying extra weight affects your vehicle's handling, braking and stability.  
Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.  
**Maximum weight capacity/Maximum weight on rear carrier** ➤ P. 115
- Tie all luggage securely, evenly balanced, and close to the centre of the vehicle.
- Do not place objects near the lights or the muffler.

Also follow these guidelines when you ride off-road on rough terrain:

- Do not carry a passenger.
- Keep cargo small and light weight.  
Make sure it cannot easily be caught on brush or other objects, and that it does not interfere with your ability to shift position to maintain balance and stability.

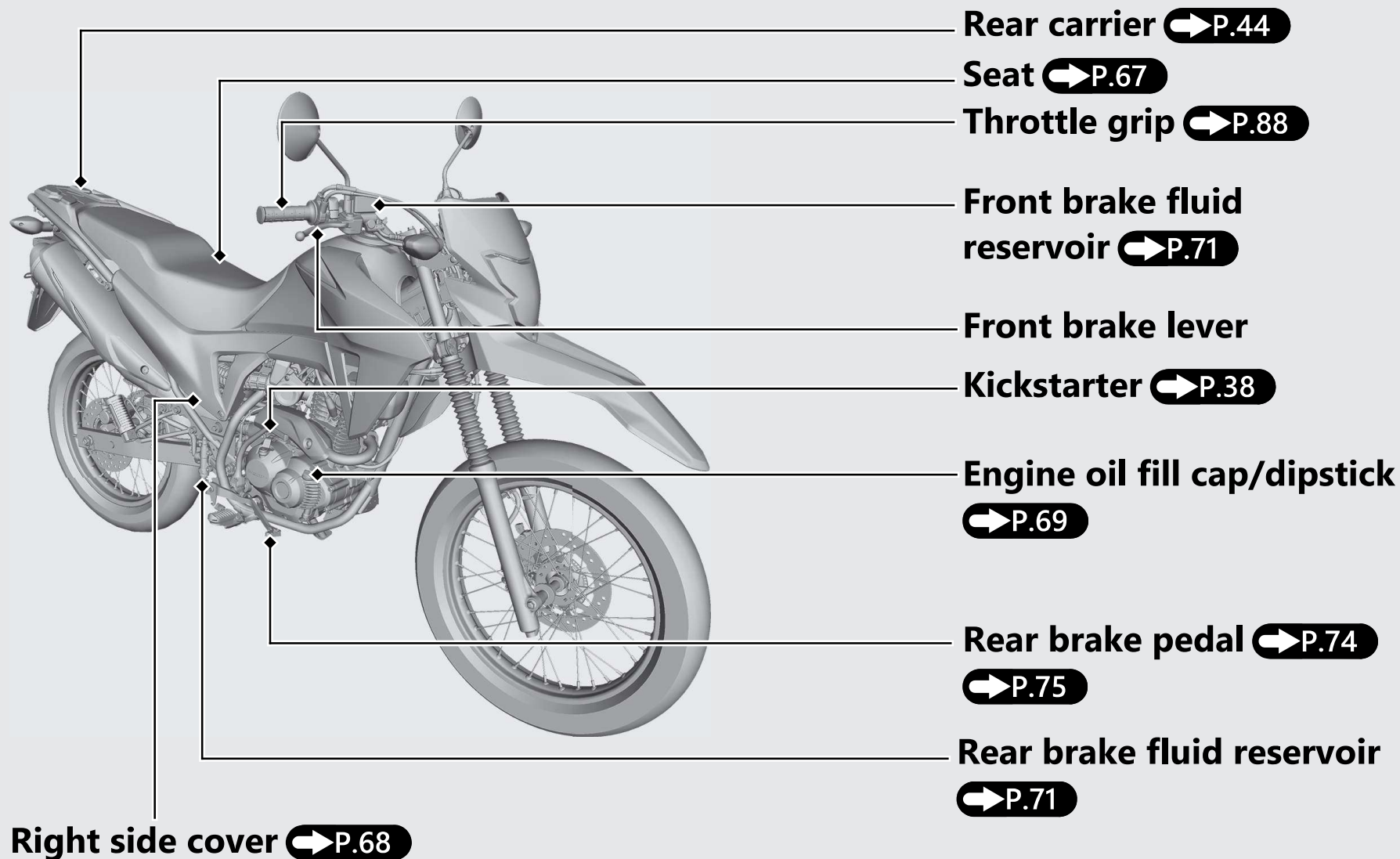
## WARNING

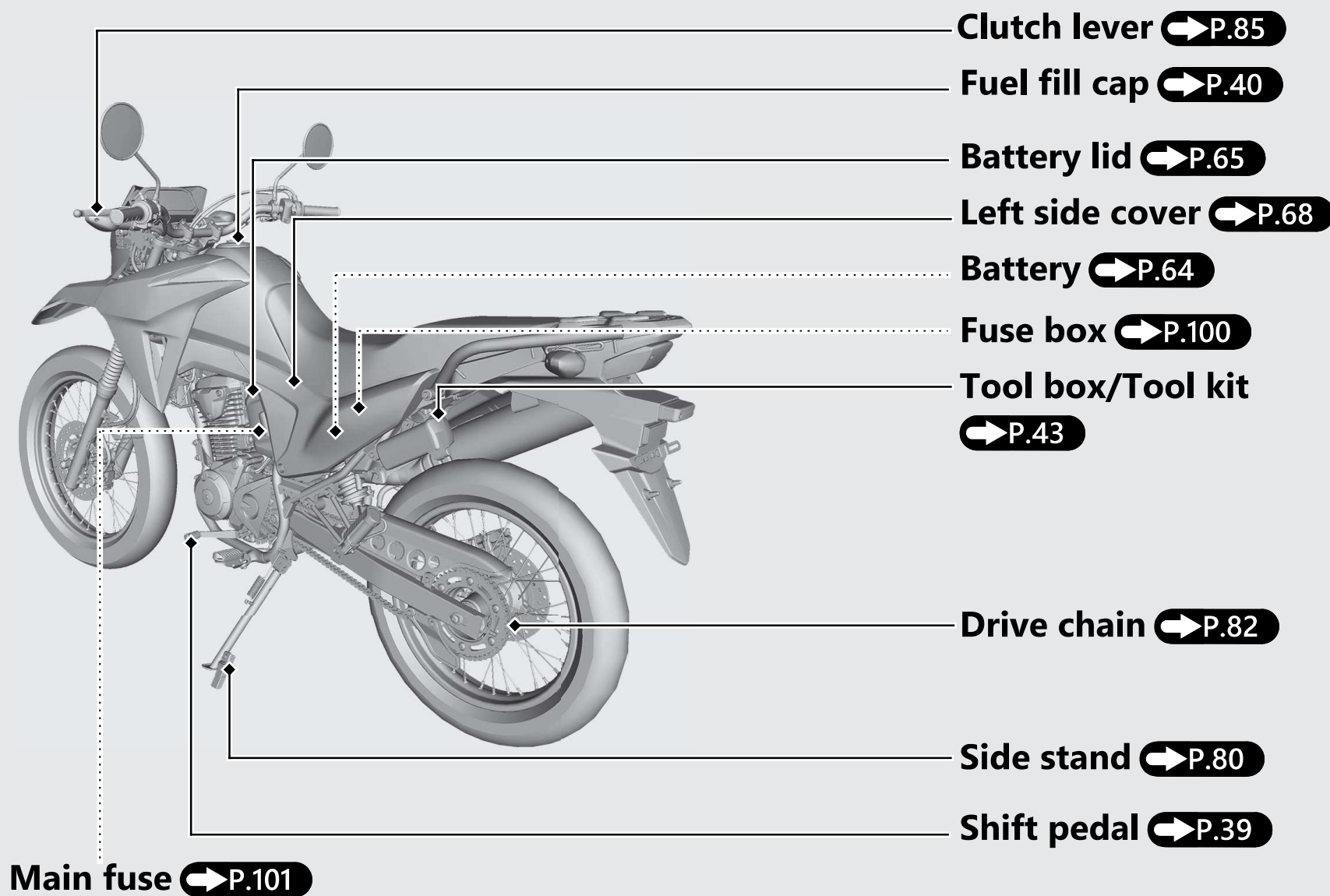
Overloading or improper loading can cause a crash and you can be seriously hurt or killed.

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

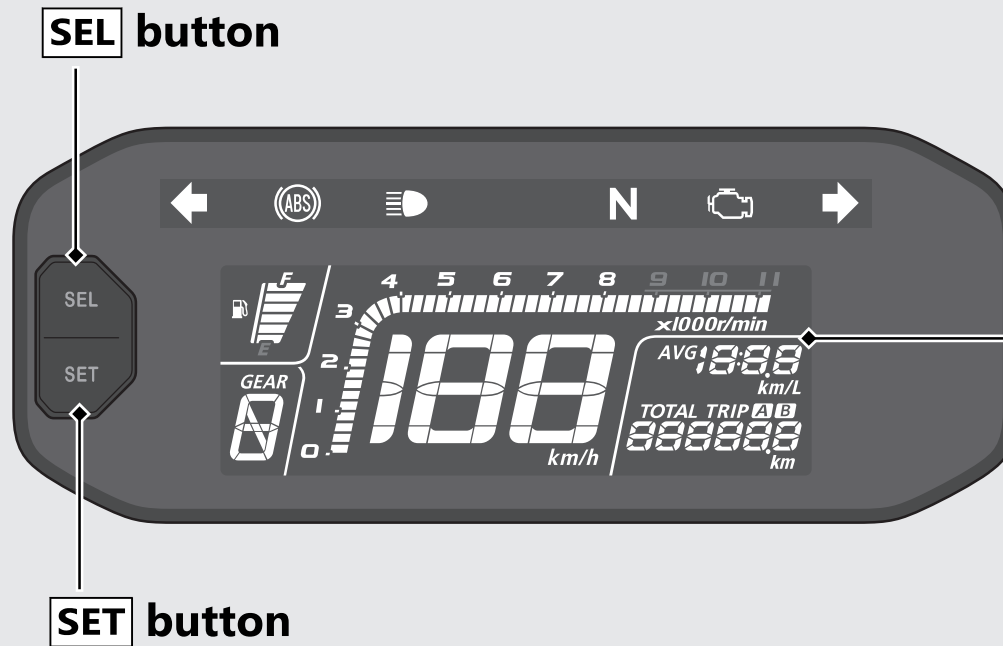


# Parts Location





# Instruments



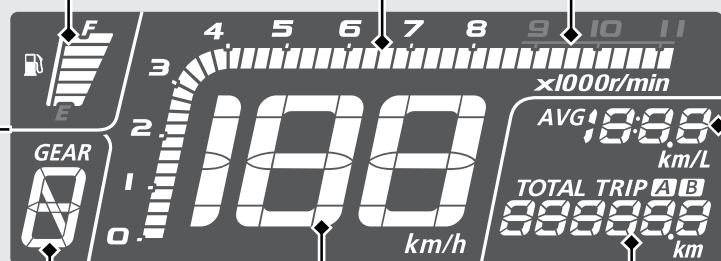
## Display Check

When the ignition switch is turned to the ON position, initial animation will show. If any part of these displays does not come on when it should, have your dealer check for problems.

**Fuel gauge** ➡ P.24

**Tachometer** ➡ P.24

**Tachometer red zone** ➡ P.24  
(excessive engine rpm range)



**Speedometer**

**Gear position indicator**  
➡ P.24

**Display 1:**  
**Clock / Current fuel mileage /**  
**Average fuel mileage [AVG]**  
➡ P.25 ➡ P.26

**Display 2:**  
**Odometer [TOTAL] / Tripmeter**  
**[TRIP A/B]** ➡ P.25 ➡ P.27

## Instruments *(Continued)*

### Tachometer and Tachometer red zone

The tachometer shows the engine speed.  
The tachometer red zone is an excessive engine rpm range.

#### NOTICE

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

### Gear position indicator

The gear position indicator shows the gear position.

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

### Fuel gauge

Remaining fuel when only 1st (E) segment starts flashing: approximately 3.95 L (1.044 US gal, 0.869 Imp gal)



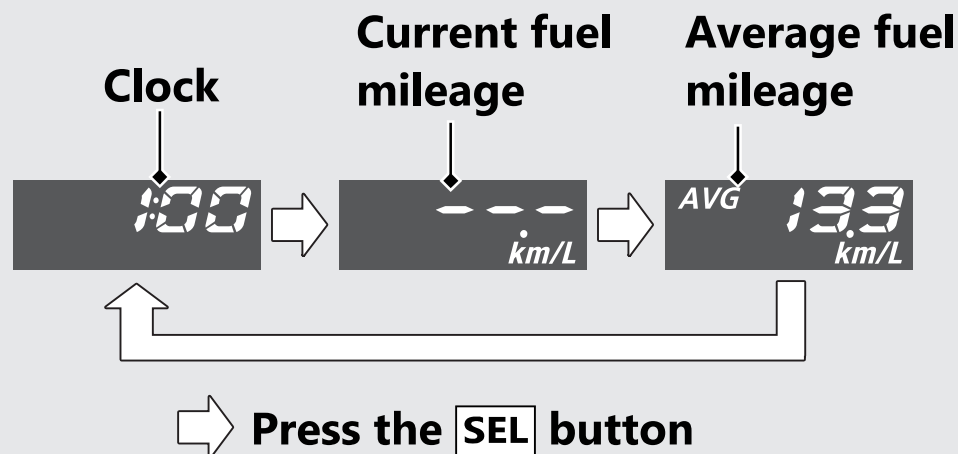
**If the fuel gauge indicator flashes in a repeat pattern or turns off: ➡ P.94**

## Display 1 and Display 2

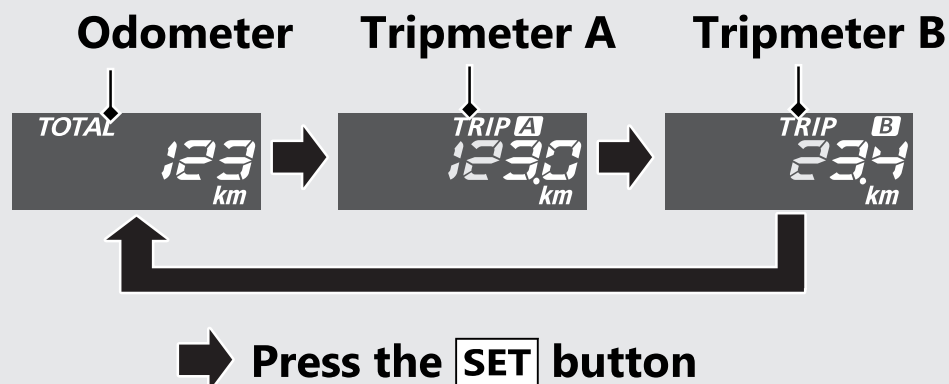
### Switching the items in the display 1 and display 2

When the ignition switch is in the ON position, pressing the **SEL** button switches the item in the display 1. Pressing the **SET** button switches the item in the display 2.

#### Display 1:



#### Display 2:



## Instruments *(Continued)*

### Items in the display 1

#### ■ Clock (12-hour display)

To set the clock: ➡ P.30

#### ■ Current fuel mileage

Displays the current instant fuel mileage.

Display range: 0.0 to 99.9 km/L

- More than 99.9 km/L, "99.9" is displayed.
- When the ignition switch is turned to the  
■ (On) position: "--.-" is displayed.
- When your speed is less than 6 km/h:  
"--.-" is displayed.

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

#### ■ Average fuel mileage [AVG]

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

The average fuel mileage will be calculated based on value displayed on the tripmeter (A or B) selected.

Also, the average fuel mileage for tripmeter A will be displayed when the odometer or tripmeter A is selected.

Display range: 0.0 to 99.9 km/L

- More than 99.9 km/L, "99.9" is displayed.
- When the tripmeter A or B is reset, "--.-" is displayed.

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

## Items in the display 2

### ■ Odometer [TOTAL]

Total distance ridden.

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

### ■ Tripmeter [TRIP A/B]

Distance ridden since tripmeter was reset.

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

**To reset the tripmeter:** ➡ P.28

## Instruments (Continued)

### To reset the tripmeter A, B and average fuel mileage

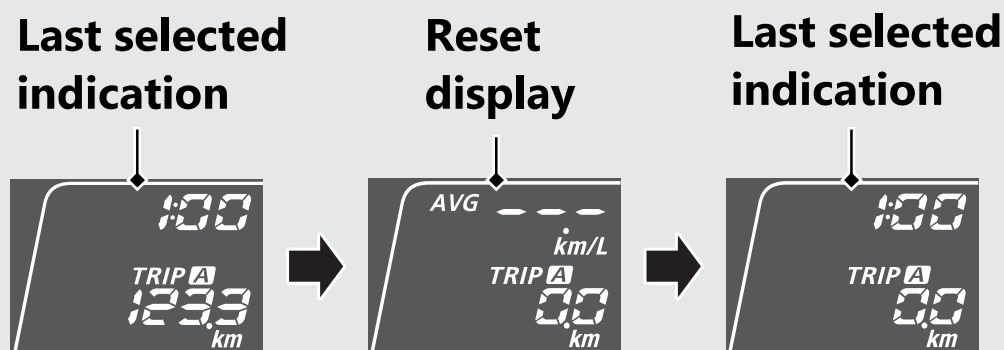
- To reset the tripmeter A to 0.0 km, press and hold the **SET** button when the tripmeter A is displayed.
- To reset the tripmeter B to 0.0 km, press and hold the **SET** button when the tripmeter B is displayed.

The average fuel mileage in the display 1 is related to either the tripmeter A or B.

When the tripmeter A is reset, average fuel mileage A is reset at the same time.

When they are reset, reset display appears. Then, the display returns to the last selected indication.

Items related to the tripmeter B can be reset in the same way.

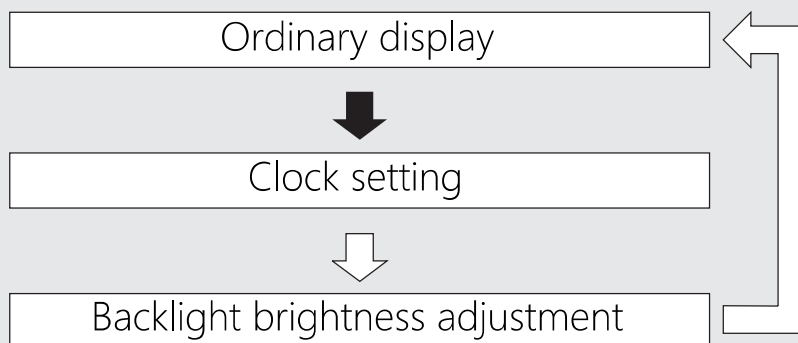


## Setting Mode

Display can be switched to the setting mode and items can be adjusted using the **SEL** button and **SET** button. The setting mode has two settings.

- Clock setting
- Backlight brightness adjustment

## Switching the display



➡ Press and hold **SEL** button and **SET** button

➡ Press the **SET** button

When turning the ignition switch to the OFF position, items in setting will be:

- Selected item (not determined): set to the display unit
- Items you have already determined: set to the display unit

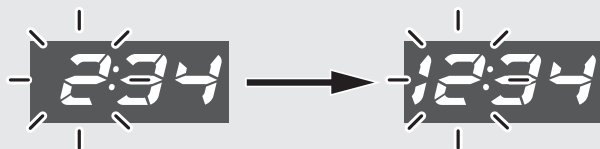
When the button is not pressed for about 30 seconds, the control is automatically switched from the setting mode to the ordinary display and items in setting will be:

- Selected item (not determined): canceled
- Items you have already determined: set to the display unit

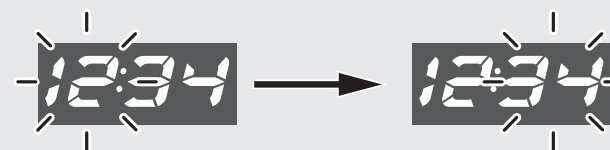
## Instruments *(Continued)*

### 1 Clock setting:

- 1 Turn the ignition switch to the ON position.
- 2 Press and hold **SEL** button and **SET** button until the hour digits start flashing.
- 3 Press **SEL** button until the desired hour is displayed.
  - ▶ Press and hold **SEL** button to advance the hour fast.



- 4 Press **SET** button. The minute digits start flashing.



- 5 Press **SEL** button until the desired minute is displayed.
  - ▶ Press and hold **SEL** button to advance the minute fast.

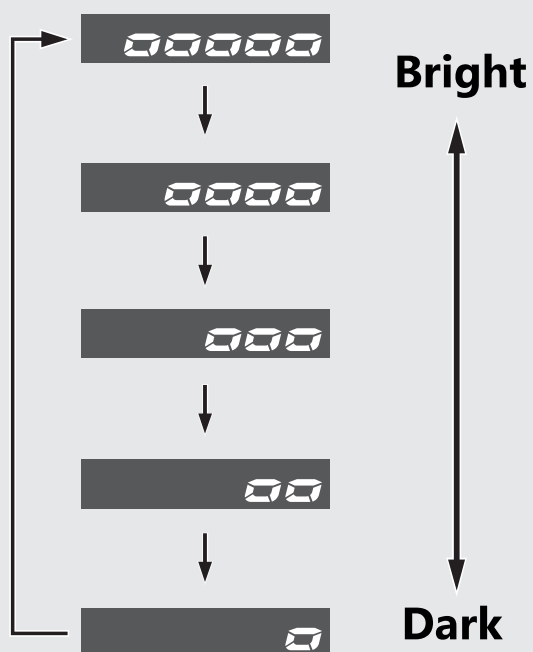


- 6 Press the **SET** button. The clock is set, and then the display moves to the backlight brightness adjustment.

## 2 Backlight brightness adjustment:

You can adjust the brightness to one of five levels.

- 1 Press **SEL** button. The brightness is switched.



- 2 Press **SET** button. The backlight is set, and then the display will return to the ordinary display.

# Indicators

If one of these indicators does not come on when it should, have your dealer check for problems.



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

III CO, III AG type

- Comes on when the ignition switch is turned to the **I** (On) position.
- Goes off when your speed reaches approximately 10 km/h (6 mph).

**If it comes on while riding:** ➡ P.93

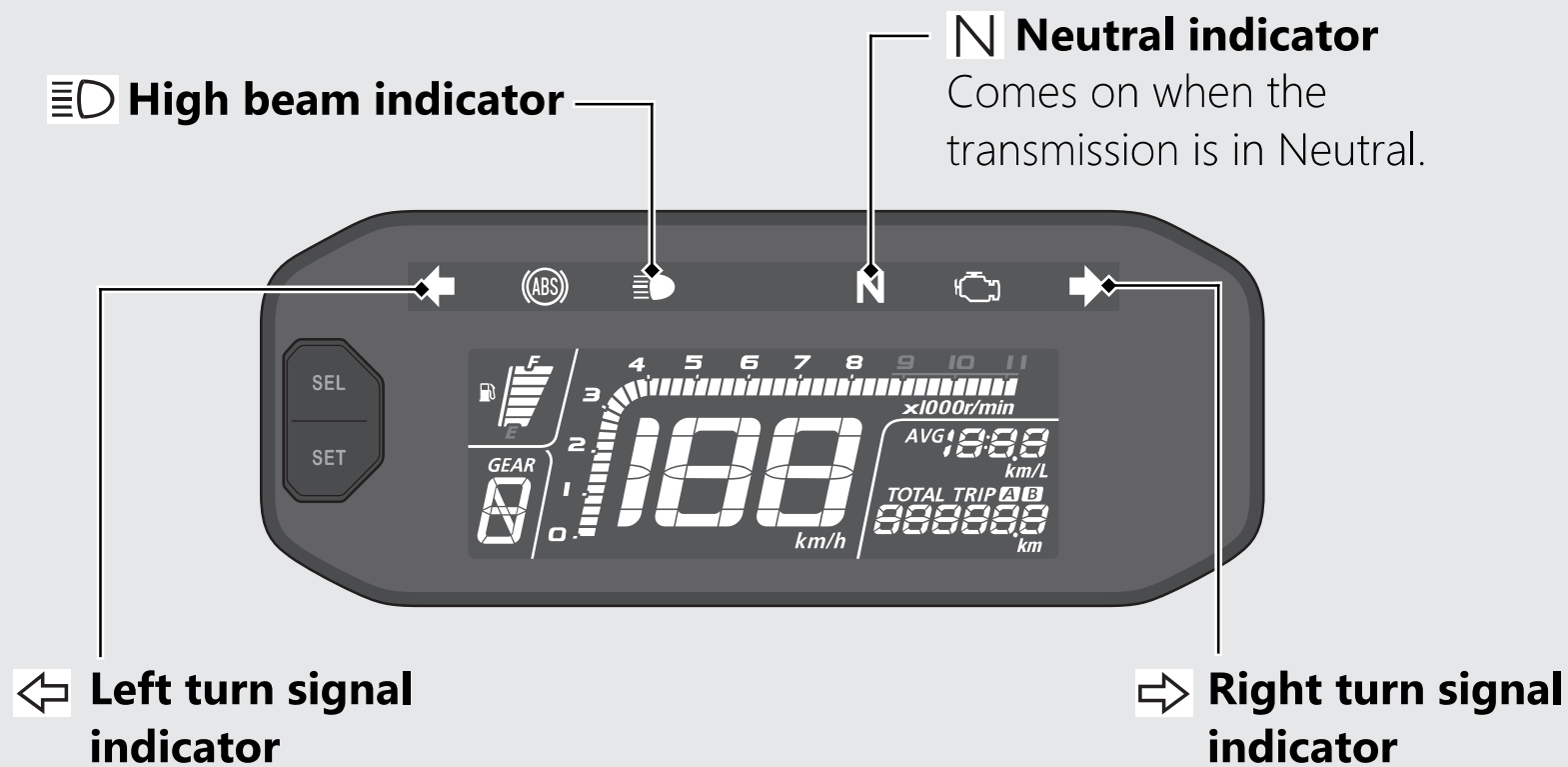


## **PGM-FI (Programmed Fuel Injection) malfunction indicator lamp (MIL)**

Comes on briefly when the ignition switch is turned to the **I** (On) position.

**If it comes on while engine is running:**

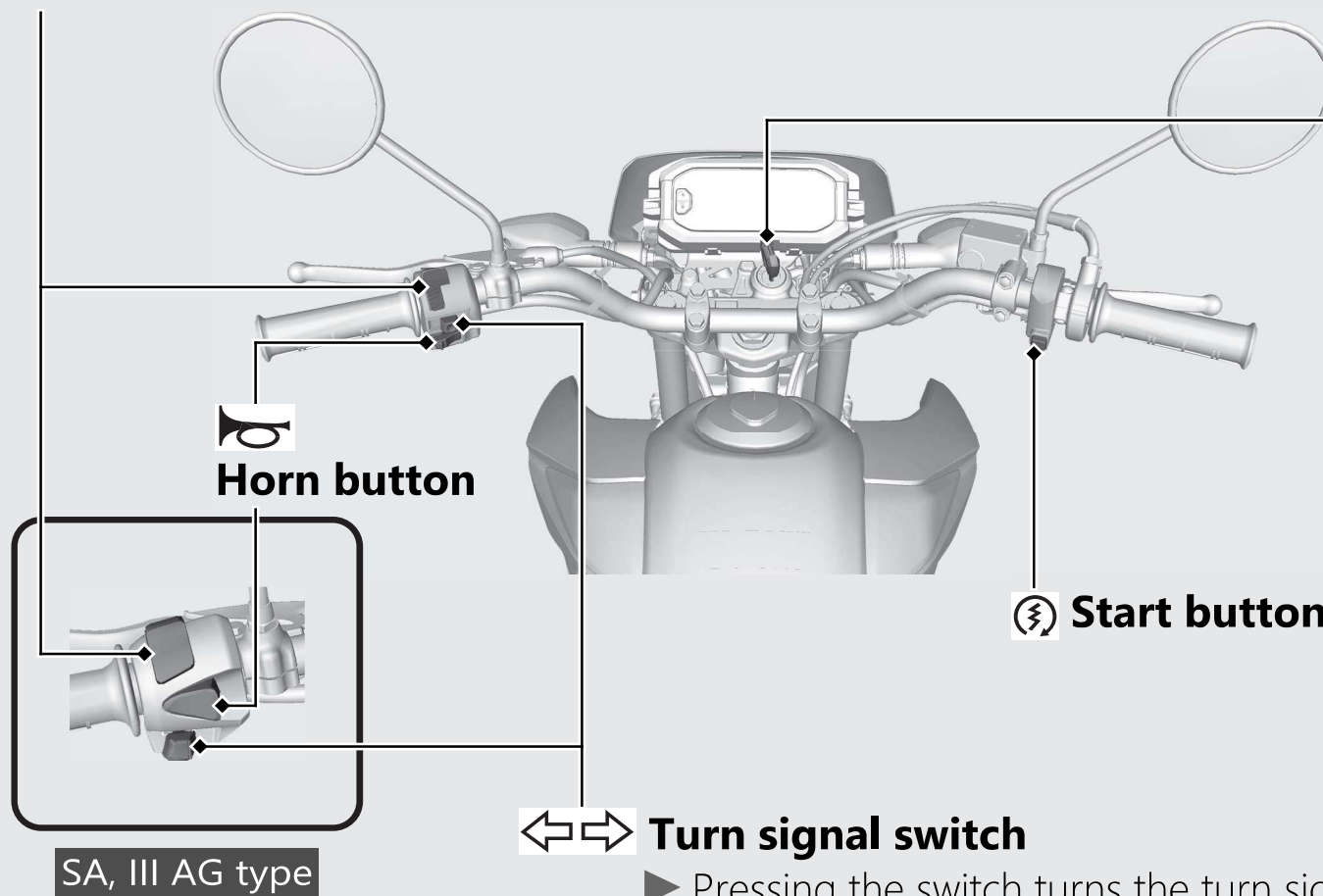
➡ P.92



# Switches

## Headlight dimmer switch

- ≡☐ : High beam
- ≡☐ : Low beam



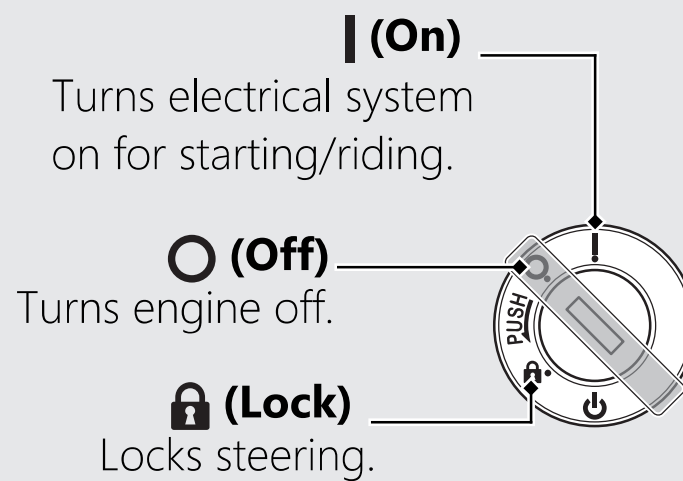
▶ Pressing the switch turns the turn signal off.

## Ignition Switch

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

► Key can be removed when in the

○ (Off) or  (Lock) position.

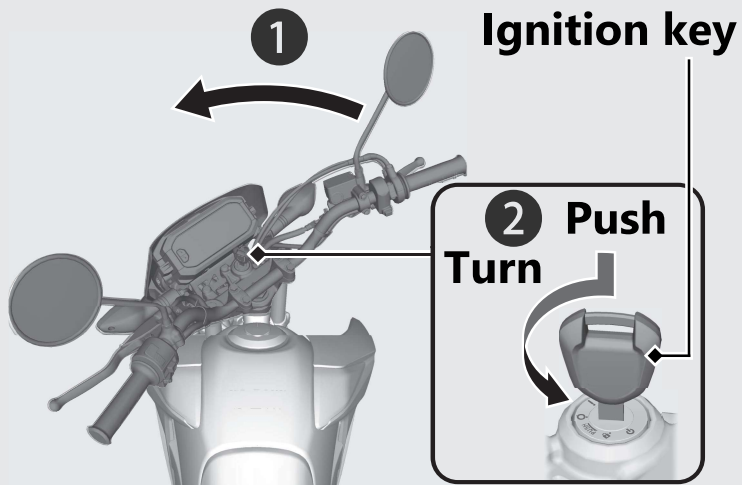


## Switches *(Continued)*

### Steering Lock

Lock the steering when parking to help prevent theft.

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



### Locking

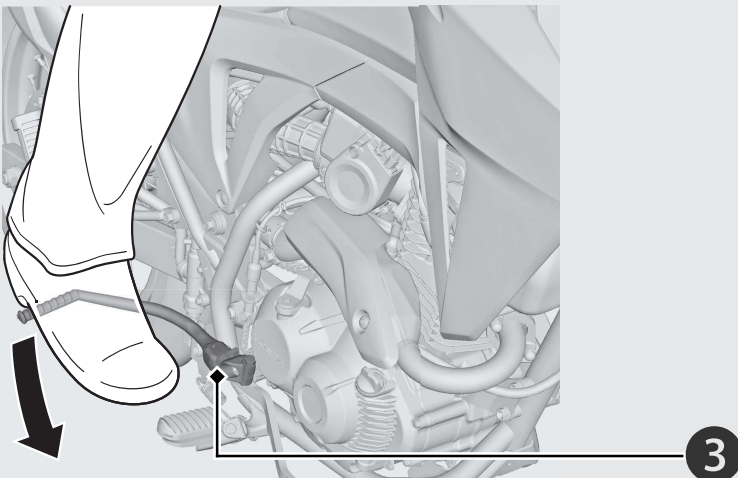
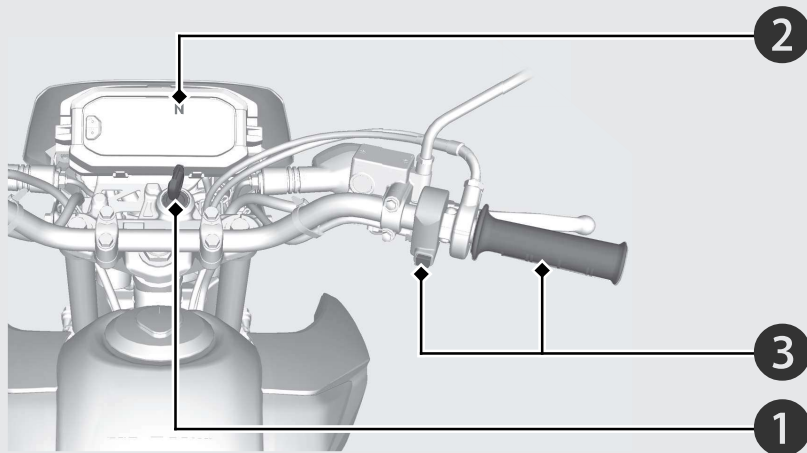
- 1 Turn the handlebars all the way to the left.
- 2 Push the key down, and turn the ignition switch to the  (Lock) position.
  - ▶ Jiggle the handlebars if the lock is difficult to engage.
- 3 Remove the key.

### Unlocking

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

# Starting the Engine

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



## NOTICE

- If the engine does not start within 5 seconds, turn the ignition switch to the **○** (Off) position and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine and the exhaust system.
- Do not operate the kickstarter while the engine is running as engine damage could result. Do not apply excessive force on the kickstarter.
- Fold up the kickstarter after the kickstarter is returned to the pedal stop.

- 1 Turn the ignition switch to the **I** (On) position.
- 2 Shift the transmission to Neutral (**N** indicator comes on).
- 3 **Using the start button**

Press the start button with the throttle completely closed. Release the start button as soon as the engine starts.

## Starting the Engine *(Continued)*

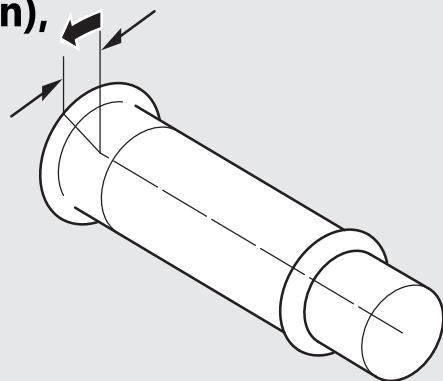
### Using the kickstarter

Lightly depress the kickstarter until resistance is felt. Then let the kickstarter return to the top of its stroke. With the throttle completely closed, operate the kickstarter starting from the top of the stroke, kick through to the bottom with a rapid, continuous motion.

### If you cannot start the engine

With the throttle slightly open (about 3 mm (0.1 in), without freeplay) while starting the engine.

**About 3 mm (0.1 in),  
without freeplay**



### If the engine does not start:

#### Using the start button

- 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.

#### Using the kickstarter

- ① Turn off the ignition switch.
- ② Open the throttle fully and crank the engine several times with the kickstarter.
- ③ Repeat the normal starting procedure.
- ④ If the engine starts, open the throttle slightly if idling is unstable.
- ⑤ If the engine does not start, try steps ① to ③ again.

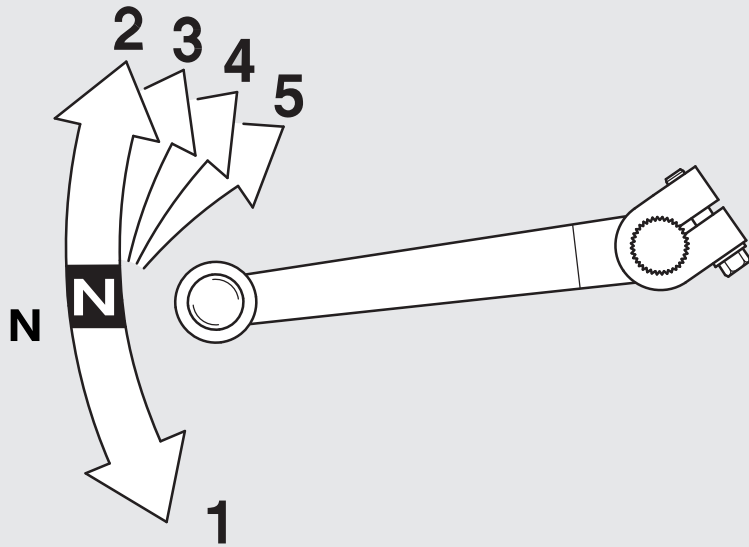
**If Engine Will Not Start ➡ P.90**

# Shifting Gears

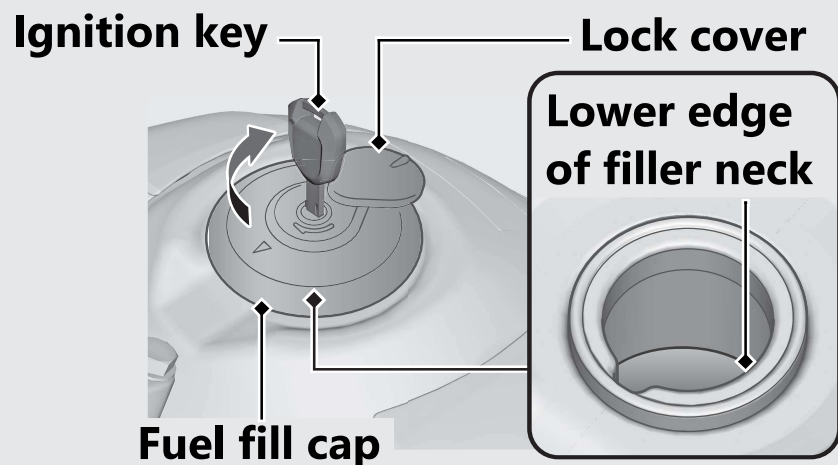
Your vehicle transmission has 5 forward gears in a one-down, four-up shift pattern.

## III AG type

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



# Refuelling



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

**Fuel type:** Unleaded petrol only

**Fuel octane number:** Your vehicle is designed to use Research Octane Number (RON) 90 or higher.

III CO, III AG type

**Tank capacity:** 12.0 L (3.17 US gal, 2.64 Imp gal)

SA type

**Tank capacity:** 11.9 L (3.14 US gal, 2.62 Imp gal)

**Refuelling and Fuel Guidelines** ➔ P.15

## Opening the Fuel Fill Cap

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

## Closing the Fuel Fill Cap

- ➊ After refuelling, align the fuel fill cap latch with the slot in the filler neck.
- ➋ Push the fuel fill cap into the filler neck until it snaps closed and locks.
- ➌ Remove the key and close the lock cover.
  - ▶ The key cannot be removed if the cap is not locked.

## ⚠ WARNING

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

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

# USB Socket

The USB socket is located behind the right side of the front visor.

Use USB devices at your own risk. In no event shall Honda be liable for any damage to your USB device when in use.

Only USB devices within the following specifications can be connected.

USB type-C connectors can be used.

Rated capacity is

**15 W (5 V, 3.0 A).**

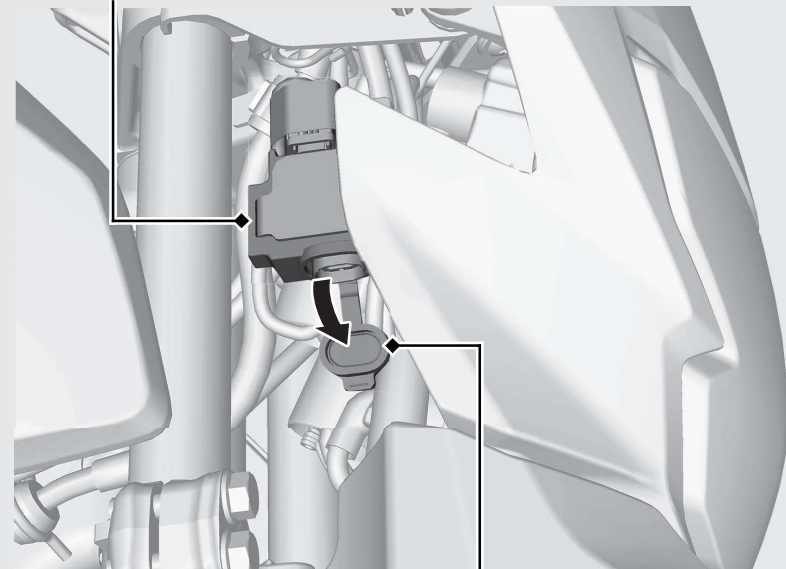
Do not connect USB devices that exceed the rated capacity. They may not be charged or work properly even if connected.

For information on usage or malfunction of the USB device you connect, refer to its instruction manual.

## To connect your USB device

- 1 Open the cover to access the USB socket.

### USB socket



**Cover**

- 2 Connect a certified USB cable to the USB socket.

## USB Socket *(Continued)*

- ▶ To prevent the battery from becoming weak (or dead), keep the engine running while drawing current from the USB socket.
- ▶ To prevent entry of foreign matter into the USB socket, be sure to close the cover when the USB socket is not used.
- ▶ Carefully secure all connected devices, as vibration may cause damage to them or they could shift unexpectedly.

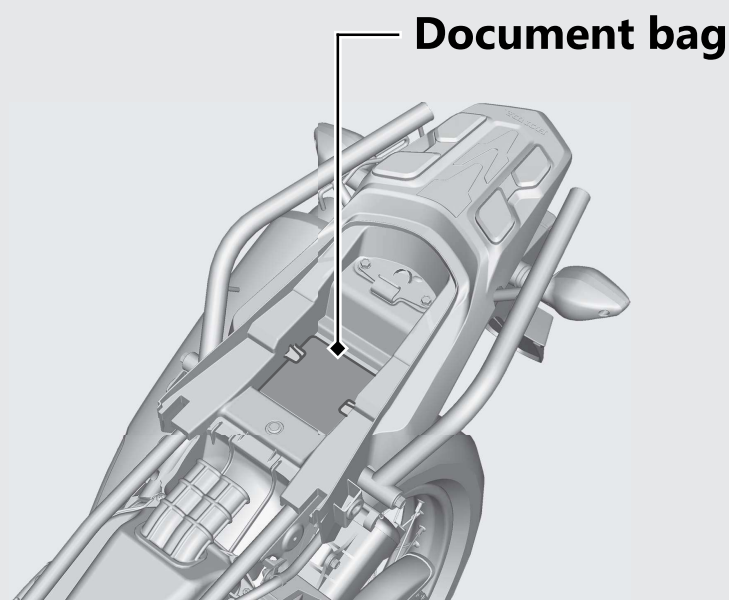
### NOTICE

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

# Storage Equipment

## Document Bag

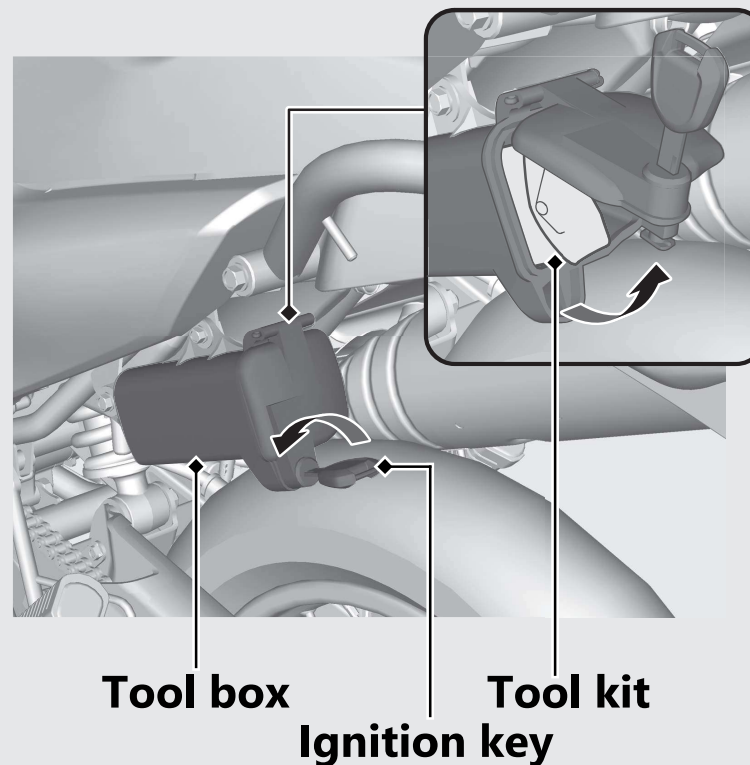
Document bag is located under the seat.



**Removing the Seat** ➡ P.67

## Tool Kit

Tool kit is in the tool box behind the left side cover.



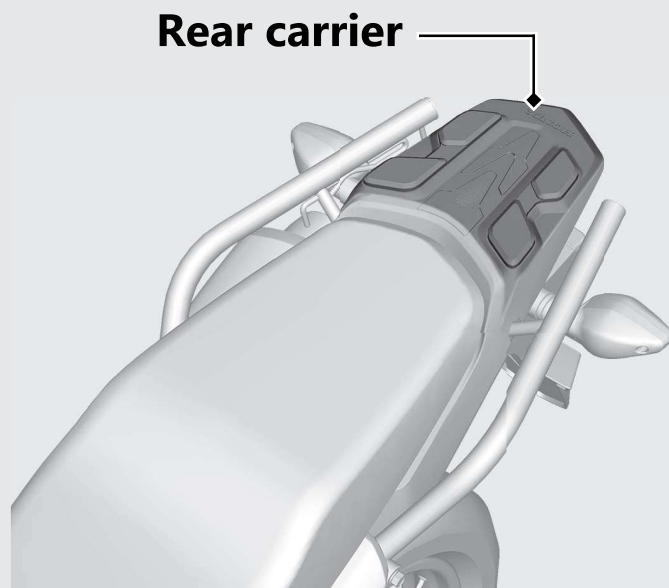
- Insert the ignition key and turn it counterclockwise to unlock.

## **Storage Equipment** *(Continued)*

### **Rear Carrier**

Never exceed the maximum weight capacity of the rear carrier.

**Maximum Weight: 5.0 kg (11.0 lb)**



# Maintenance

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

|                                                    |              |
|----------------------------------------------------|--------------|
| <b>Importance of Maintenance .....</b>             | <b>P. 46</b> |
| <b>Maintenance Schedule .....</b>                  | <b>P. 47</b> |
| <b>Maintenance Fundamentals .....</b>              | <b>P. 50</b> |
| <b>Tools .....</b>                                 | <b>P. 63</b> |
| <b>Removing &amp; Installing Body Components..</b> | <b>P. 64</b> |
| Battery .....                                      | P. 64        |
| Battery Lid .....                                  | P. 65        |
| Clip .....                                         | P. 66        |
| Seat .....                                         | P. 67        |
| Side Cover .....                                   | P. 68        |
| <b>Engine Oil .....</b>                            | <b>P. 69</b> |
| <b>Brakes .....</b>                                | <b>P. 71</b> |
| <b>Side Stand .....</b>                            | <b>P. 80</b> |
| <b>Drive Chain.....</b>                            | <b>P. 82</b> |

|                       |              |
|-----------------------|--------------|
| <b>Wheels.....</b>    | <b>P. 84</b> |
| <b>Clutch .....</b>   | <b>P. 85</b> |
| <b>Throttle .....</b> | <b>P. 88</b> |

# Importance of Maintenance

## Importance of Maintenance

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

➔ P. 47

### **WARNING**

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

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

## Maintenance Safety

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

Follow these guidelines when performing maintenance.

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

# Maintenance Schedule

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

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

Make sure that whomever performs the maintenance completes this record.

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

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

## Maintenance Schedule

| Items                         |                                                                                   | Pre-ride<br>Check<br>P. 50 | Frequency *1 |                              |   |    |    |    |    |    | Annual<br>Check | Regular<br>Replace | Refer to<br>page |
|-------------------------------|-----------------------------------------------------------------------------------|----------------------------|--------------|------------------------------|---|----|----|----|----|----|-----------------|--------------------|------------------|
|                               |                                                                                   |                            | × 1,000 km   | 1                            | 6 | 12 | 18 | 24 | 30 | 36 |                 |                    |                  |
|                               |                                                                                   |                            | × 1,000 mi   | 0.6                          | 4 | 8  | 12 | 16 | 20 | 24 |                 |                    |                  |
| Honda Diagnostic System       |  |                            |              | I                            | I | I  | I  | I  | I  | I  |                 |                    | —                |
| Fuel Line                     |  |                            |              |                              | I | I  | I  | I  | I  | I  | I               |                    | —                |
| Fuel Level                    |                                                                                   | I                          |              |                              |   |    |    |    |    |    |                 |                    | 40               |
| Throttle Operation            |  | I                          |              |                              | I | I  | I  | I  | I  | I  | I               |                    | 88               |
| Air Cleaner *2                |  |                            |              |                              |   |    | R  |    |    | R  |                 |                    | —                |
| Crankcase Breather *3         |                                                                                   |                            |              |                              | C | C  | C  | C  | C  | C  |                 |                    | —                |
| Spark Plug                    |                                                                                   |                            |              |                              | I | R  | I  | R  | I  | R  |                 |                    | —                |
| Valve Clearance               |  |                            |              |                              | I | I  | I  | I  | I  | I  |                 |                    | —                |
| Engine Oil                    |                                                                                   | I                          |              | R                            | R | R  | R  | R  | R  | R  | R               |                    | —                |
| Engine Oil Strainer Screen    |  |                            |              |                              |   | C  |    | C  |    | C  |                 |                    | —                |
| Engine Oil Centrifugal Filter |  |                            |              |                              |   | C  |    | C  |    | C  |                 |                    | —                |
| Engine Idle Speed             |  |                            |              |                              | I | I  | I  | I  | I  | I  | I               |                    | —                |
| Drive Chain*5                 |                                                                                   | I                          |              | Every 1,000 km (600 mi): I L |   |    |    |    |    |    |                 |                    | 82               |
| Drive Chain Slider            |                                                                                   |                            |              |                              | I | 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 vehicle serviced by your dealer.

### Maintenance Legend

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

## Maintenance Schedule

| Items                                    |   | Pre-ride<br>Check<br>☑ P. 50 | Frequency *1 |     |   |    |    |    |    |    | Annual<br>Check | Regular<br>Replace | Refer to<br>page |
|------------------------------------------|---|------------------------------|--------------|-----|---|----|----|----|----|----|-----------------|--------------------|------------------|
|                                          |   |                              | × 1,000 km   | 1   | 6 | 12 | 18 | 24 | 30 | 36 |                 |                    |                  |
|                                          |   |                              | × 1,000 mi   | 0.6 | 4 | 8  | 12 | 16 | 20 | 24 |                 |                    |                  |
| Brake Fluid *4                           |   | ☑                            |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               | 2 Years            | 71               |
| Brake Pads Wear<br>(III CO, III AG type) |   | ☑                            |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 73               |
| Brake Pads/Shoes Wear<br>(SA type)       |   | ☑                            |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 73, 78           |
| Brake System<br>(III CO, III AG type)    |   |                              |              | ☑   | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 50               |
| Brake System<br>(SA type)                |   | ☑                            |              | ☑   | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 50               |
| Brakelight Switch                        |   |                              |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 79               |
| Headlight Aim                            |   |                              |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | –                |
| Lights/Horn                              |   | ☑                            |              |     |   |    |    |    |    |    |                 |                    | –                |
| Clutch System                            |   | ☑                            |              | ☑   | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 85               |
| Side Stand (III AG type)                 |   | ☑                            |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 80               |
| Side Stand (III CO, SA type)             |   |                              |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 80               |
| Suspension                               | 🔧 |                              |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | –                |
| Nuts, Bolts, Fasteners*5                 | 🔧 |                              |              | ☑   |   | ☑  |    | ☑  |    | ☑  | ☑               |                    | –                |
| Wheels/Tyres*5                           | 🔧 | ☑                            |              |     | ☑ | ☑  | ☑  | ☑  | ☑  | ☑  | ☑               |                    | 58, 84           |
| Steering Head Bearings                   | 🔧 |                              |              |     |   | ☑  |    | ☑  |    | ☑  | ☑               |                    | –                |

### Notes:

- \*1: At higher odometer reading, repeat at the frequency interval established here.
- \*2: Service more frequently when riding in unusually wet or dusty areas.
- \*3: Service more frequently when riding in rain or at full throttle.
- \*4: Replacement requires mechanical skill.
- \*5: Service more frequently when riding OFF-ROAD.

# Maintenance Fundamentals

## Pre-ride Inspection

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

Check the following items before you get on your vehicle:

- Fuel level - Fill fuel tank when necessary ➔ P. 40
- Throttle - Check for smooth opening and full closing in all steering positions ➔ P. 88
- Engine oil level - Add engine oil if necessary. Check for leaks ➔ P. 69
- Drive chain - Check condition and slack, adjust and lubricate if necessary ➔ P. 82

- Brakes - Check operation;

### SA type

Front: check brake fluid level and pads wear

➔ P. 71, ➔ P. 73

Rear: check shoes wear and freeplay, adjust if necessary ➔ P. 78, ➔ P. 75

### III CO, III AG type

Front and Rear: check brake fluid level and pads wear ➔ P. 71, ➔ P. 73

- Lights and horn - Check that lights, indicators and horn function properly
- Clutch - Check operation; Adjust freeplay if necessary ➔ P. 85
- III AG type  
Side stand ignition cut-off system - Check for proper function ➔ P. 80
- Wheels and tyres - Check condition, air pressure and adjust if necessary ➔ P. 58

Before riding off-road check all of the preceding plus the following:

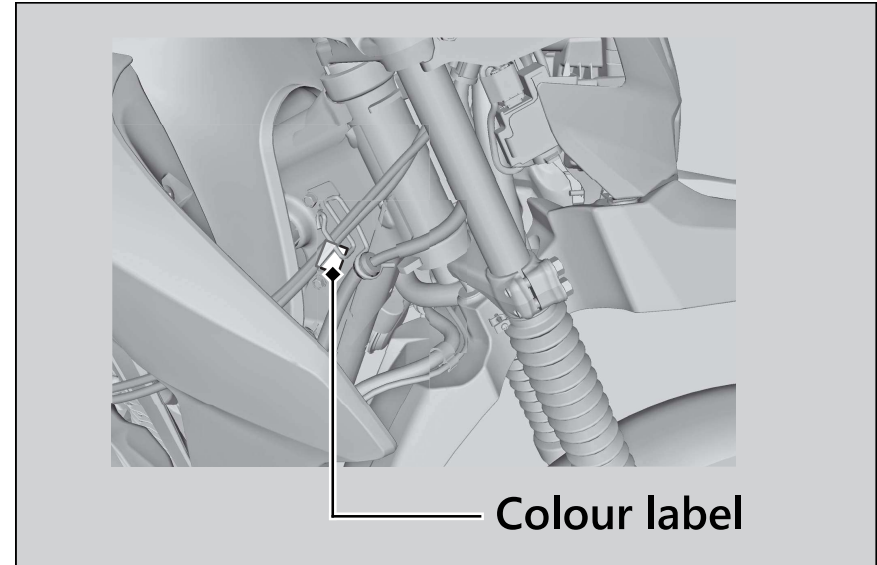
- Make sure spokes are tight. Check the rims for any damage ➡ P. 84
- Be sure the fuel fill cap is securely fastened ➡ P. 40
- Check for loose cables and other parts, and anything that appears abnormal
- Use a wrench to check the tightness of all accessible nuts, bolts and fasteners

### 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 right side of the frame.



### **⚠ WARNING**

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

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

## Battery

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

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

### NOTICE

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



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

### NOTICE

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

## What to do in an emergency

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

- Electrolyte splashes into your eyes:
  - ▶ Wash your eyes repeatedly with cool water for at least 15 minutes. Using water under pressure can damage your eyes.
- Electrolyte splashes onto your skin:
  - ▶ Remove affected clothing and wash your skin thoroughly using water.

## Maintenance Fundamentals

- Electrolyte splashes into your mouth:
  - ▶ Rinse mouth thoroughly with water, and do not swallow.

### **!WARNING**

The battery gives off explosive hydrogen gas during normal operation.

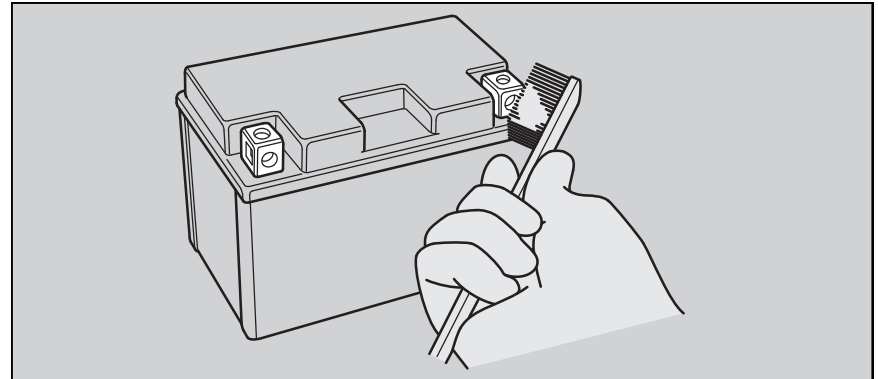
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

### **Cleaning the Battery Terminals**

1. Remove the battery. ➡ P. 64
2. If the terminals are starting to corrode and are coated with a white substance, wash with warm water and wipe clean.

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



4. After cleaning, reinstall the battery.

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

### **NOTICE**

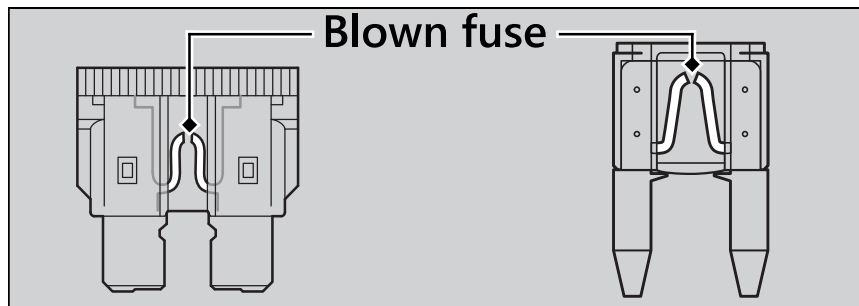
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

## Fuses

Fuses protect the electrical circuits on your vehicle. If something electrical on your vehicle stops working, check for and replace any blown fuses. ➡ P. 100

### Inspecting and Replacing Fuses

Turn the ignition switch to the **○** (Off) position to remove and inspect fuses. If a fuse is blown, replace with a fuse of the same rating. For fuse ratings, see "Specifications." ➡ P. 117



#### NOTICE

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

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

## Engine Oil

Engine oil consumption varies and oil quality deteriorates according to riding conditions and time elapsed.

Check the engine oil level regularly, and add the recommended engine oil if necessary. Dirty oil or old oil should be changed as soon as possible.

### Selecting the Engine Oil

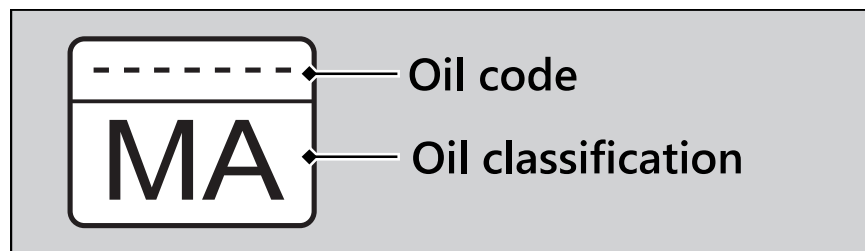
For recommended engine oil, see "Specifications." ➡ P. 116

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

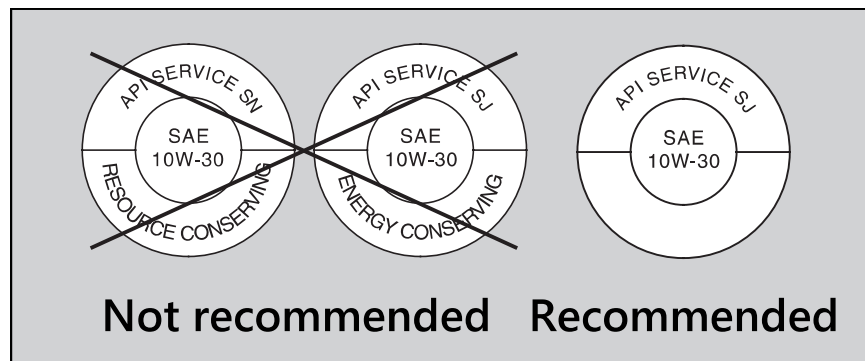
- JASO T 903 standard\*<sup>1</sup>: MA
- SAE standard\*<sup>2</sup>: 10W-30
- API classification\*<sup>3</sup>: SJ or higher

## Maintenance Fundamentals

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



- \*2. The SAE standard grades oils by their viscosity.
- \*3. The API classification specifies the quality and performance rating of engine oils. Use SJ or higher oils, excluding oils marked as "Energy Conserving" or "Resource Conserving" on the circular API service symbol.



## Brake Fluid

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

### NOTICE

Brake fluid can damage plastic and painted surfaces.

Wipe up spills immediately and wash thoroughly.

### Recommended brake fluid:

Honda DOT 3 or DOT 4 Brake Fluid or equivalent

## Drive Chain

The drive chain must be inspected and lubricated regularly. Inspect the chain more frequently if you often ride on bad roads, ride at high speed, or ride with repeated fast acceleration. ➔ P. 82

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

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



**Normal  
(GOOD)**



**Worn  
(REPLACE)**



**Damaged  
(REPLACE)**

### NOTICE

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

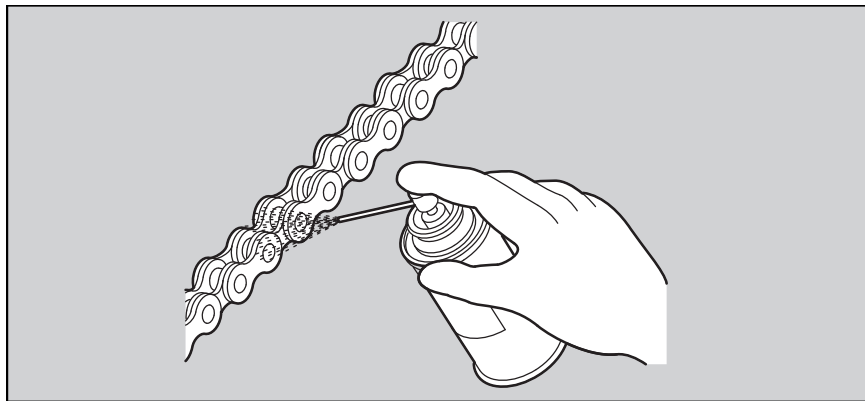
## Cleaning and Lubricating

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

### Recommended lubricant:

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

## Maintenance Fundamentals



Do not use a steam cleaner, a high pressure cleaner, a wire brush, volatile solvent such as petrol and benzene, abrasive cleaner, chain cleaner or lubricant NOT designed specifically for O-ring chains as these can damage the rubber O-ring seals.

Avoid getting lubricant on the brakes or tyres. Avoid applying excess chain lubricant to prevent spray onto your clothes and the vehicle.

### Crankcase Breather

Service more frequently when riding in rain, at full throttle, or after the vehicle is washed or overturned. Service if the deposit level can be

seen in the transparent section of the drain tube.

If the drain tube overflows, the air filter may become contaminated with engine oil, causing poor engine performance.

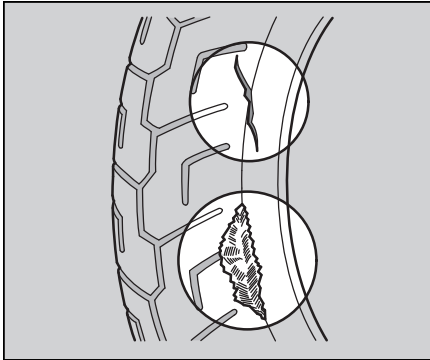
## Tyres (Inspecting/Replacing)

### ■ Checking the Air Pressure

Visually inspect your tyres and use an air pressure gauge to measure the air pressure before each off-road ride and whenever you return to pavement after riding off-road. If you only ride on pavement, check the pressure at least once a month or any time you think the tyres look low. Always check air pressure when your tyres are cold.

If you decide to adjust the tyre pressure for a particular off-road riding condition, make changes a little at a time.

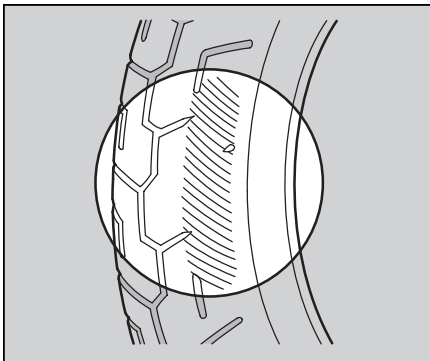
## ■ Inspecting for Damage



Inspect the tyres for cuts, slits, or cracks that expose fabric or cords, or nails or other foreign objects embedded in the side of the tyre or the tread.

Also inspect for any unusual bumps or bulges in the side walls of the tyres.

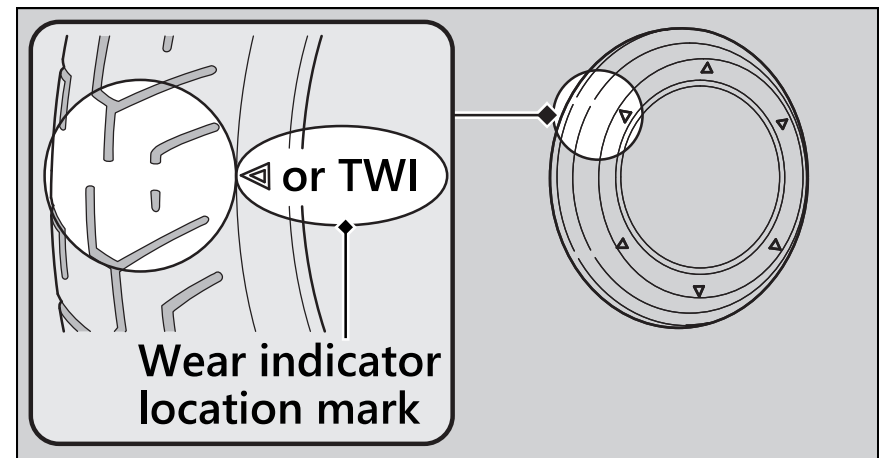
## ■ Inspecting for Abnormal Wear



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

## ■ Inspecting Tread Depth

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



### ■ Inspecting Rims and Valve Stems

Inspect the rims for damage and loose spokes. Also inspect the valve stems for their positions. A tilted valve stem indicates the tube is slipping inside the tyre or the tyre is slipping on the rim. See your dealer.

#### **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.

Have your tyres replaced by your dealer. For recommended tyres, air pressure, and minimum tread depth, see "Specifications."

➡ P. 116

Follow these guidelines whenever you replace tyres:

- Use the recommended tyres or their equivalents of the same size, construction, speed rating, and load range.
- Remember to replace the inner tube whenever you replace a tyre. The old tube will probably be stretched, and it could fail if installed in a new tyre.

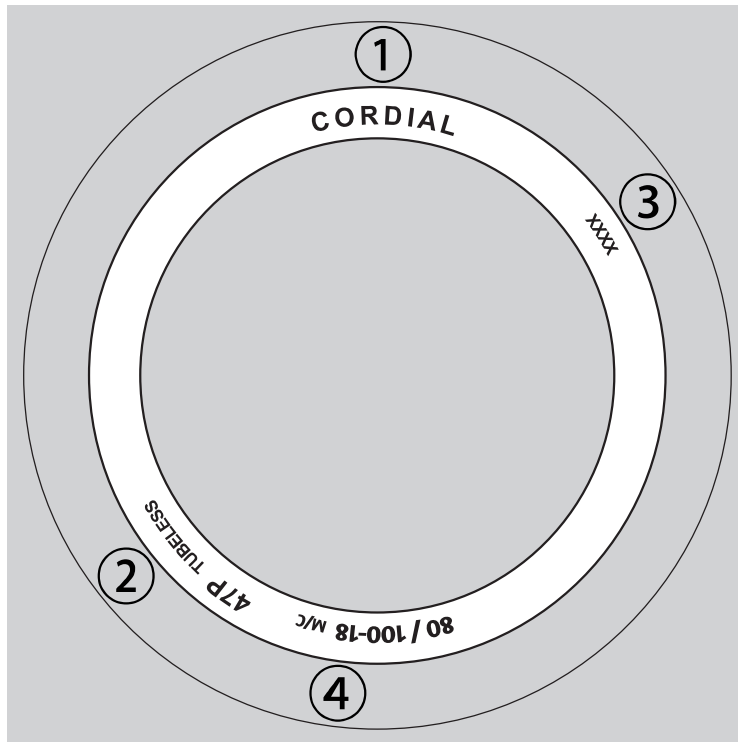
#### **WARNING**

Installing improper tyres on your vehicle can adversely affect handling and stability, and can cause a crash in which you can be seriously hurt or killed.

Always use the size and type of tyres recommended in this owner's manual.

## Tyre Labelling Example

Colombia



The tyre sidewall contains the information, includes, but not limited to the below.

- ① Manufacturer's name or brand name
- ② Tyre structure
- ③ Date of manufacture (week & year)
- ④ Tyre size designation (see below how to read)

To confirm the specification of your vehicle, please see "Specifications." ➡ P. 116

<Example>

**80/100-18M/C 47P**

↑ Tyre width: 80 mm  
 ↑ Series / Profile: 100 %  
 ↑ Inner rim size: 18 inch  
 ↑ Usage: Motorcycle  
 ↑ Load index: 175 kg <sup>\*1</sup>  
 ↑ Speed Symbol: 150 km/h <sup>\*1</sup>

\*1 : Under the conditions specified in the tyre regulations and specifications.  
 Please see European Tyre & RIM Technical Organization website for more information.  
 These values are not warranted in any vehicle installed condition.

## Maintenance Fundamentals

| Load Index | Load capacity (kg) | Load Index | Load capacity (kg) | Load Index | Load capacity (kg) | Load Index | Load capacity (kg) | Load Index | Load capacity (kg) | Load Index | Load capacity (kg) |
|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| 30         | 106                | 40         | 140                | 50         | 190                | 60         | 250                | 70         | 335                | 80         | 450                |
| 31         | 109                | 41         | 145                | 51         | 195                | 61         | 257                | 71         | 345                | 81         | 462                |
| 32         | 112                | 42         | 150                | 52         | 200                | 62         | 265                | 72         | 355                | 82         | 475                |
| 33         | 115                | 43         | 155                | 53         | 206                | 63         | 272                | 73         | 365                | 83         | 487                |
| 34         | 118                | 44         | 160                | 54         | 212                | 64         | 280                | 74         | 375                | 84         | 500                |
| 35         | 121                | 45         | 165                | 55         | 218                | 65         | 290                | 75         | 387                | 85         | 515                |
| 36         | 125                | 46         | 170                | 56         | 224                | 66         | 300                | 76         | 400                | 86         | 530                |
| 37         | 128                | 47         | 175                | 57         | 230                | 67         | 307                | 77         | 412                | 87         | 545                |
| 38         | 132                | 48         | 180                | 58         | 236                | 68         | 315                | 78         | 425                | 88         | 560                |
| 39         | 136                | 49         | 185                | 59         | 243                | 69         | 325                | 79         | 437                | 89         | 580                |

| Speed Symbol | Maximum Speed (km/h) | Speed Symbol          | Maximum Speed (km/h) |
|--------------|----------------------|-----------------------|----------------------|
| J            | 100                  | H                     | 210                  |
| L            | 120                  | V                     | 240                  |
| P            | 150                  | (* *W)                | Over 270             |
| S            | 180                  | ** * means Load Index |                      |

Normative Reference; European Tyre & RIM Technical Organization Standards Manual

# Tools

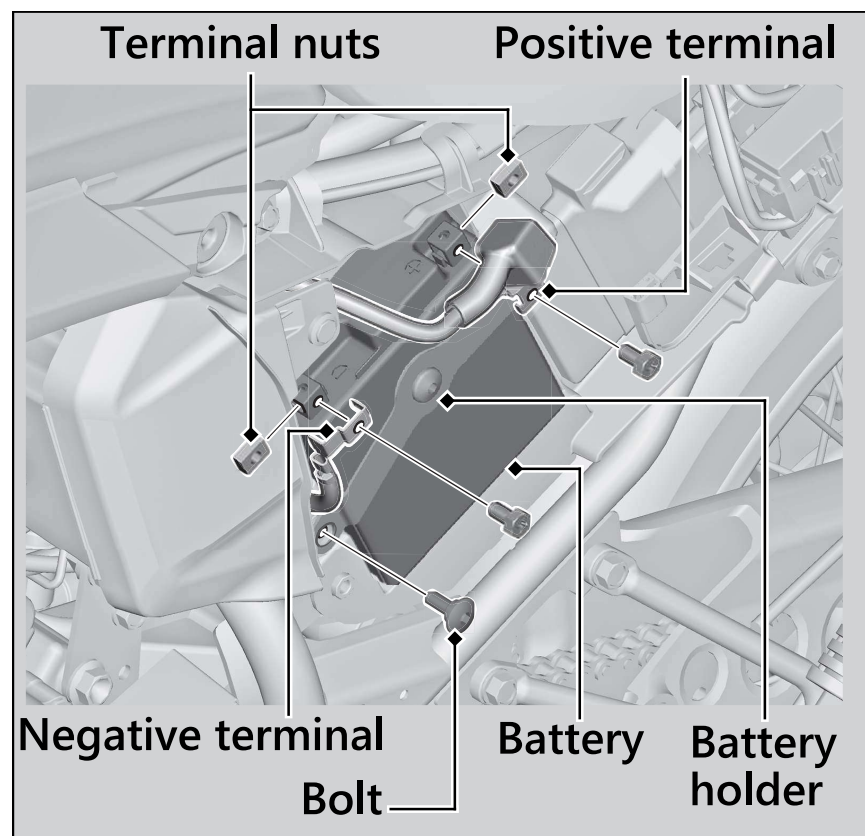
The tool kit is stored in the tool box. ➡ P. 43

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

- Spark plug wrench
- 10 × 12 mm Open end wrench
- 14 × 17 mm Open end wrench
- No. 2 Phillips screwdriver
- Screwdriver handle
- Extension bar
- 24 mm Box end wrench

# Removing & Installing Body Components

## Battery



### Removal

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

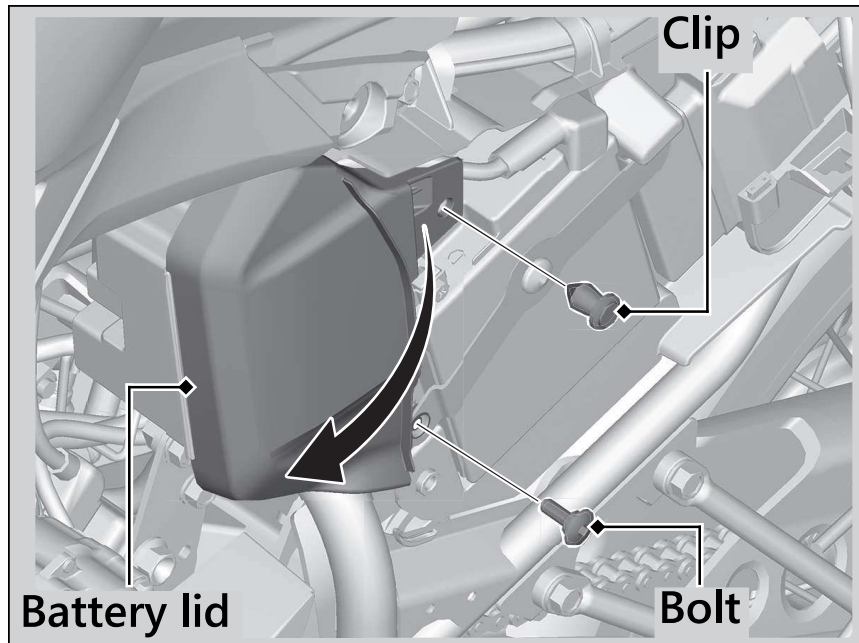
1. Remove the left side cover. ➡ P. 68
2. Disconnect the negative  $\ominus$  terminal from the battery.
3. Disconnect the positive  $\oplus$  terminal from the battery.
4. Remove the battery holder by removing the bolt.
5. Remove the battery, taking care not to drop the terminal nuts.

### Installation

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

Make sure the clock information is correct after the battery is reconnected. ➡ P. 30  
For proper handling of the battery, see "Maintenance Fundamentals." ➡ P. 53  
"Battery Goes Dead." ➡ P. 96

## Battery Lid



### Removal

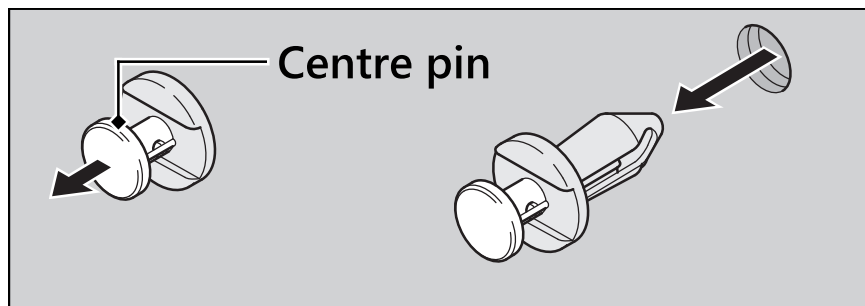
1. Remove the left side cover. ➡ P. 68
2. Remove the clip. ➡ P. 66
3. Remove the bolt.
4. Open the battery lid.

### Installation

Install the parts in the reverse order of removal.

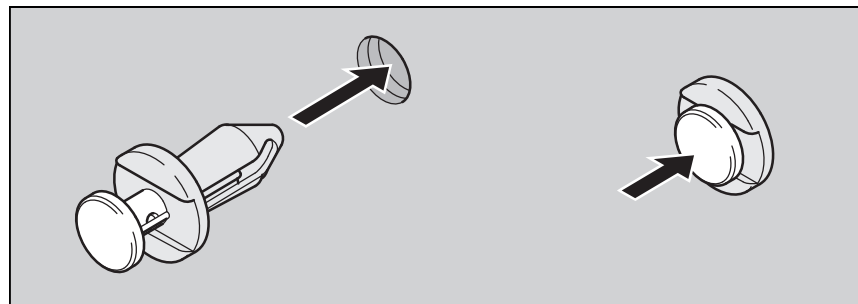
## Clip

### Removal



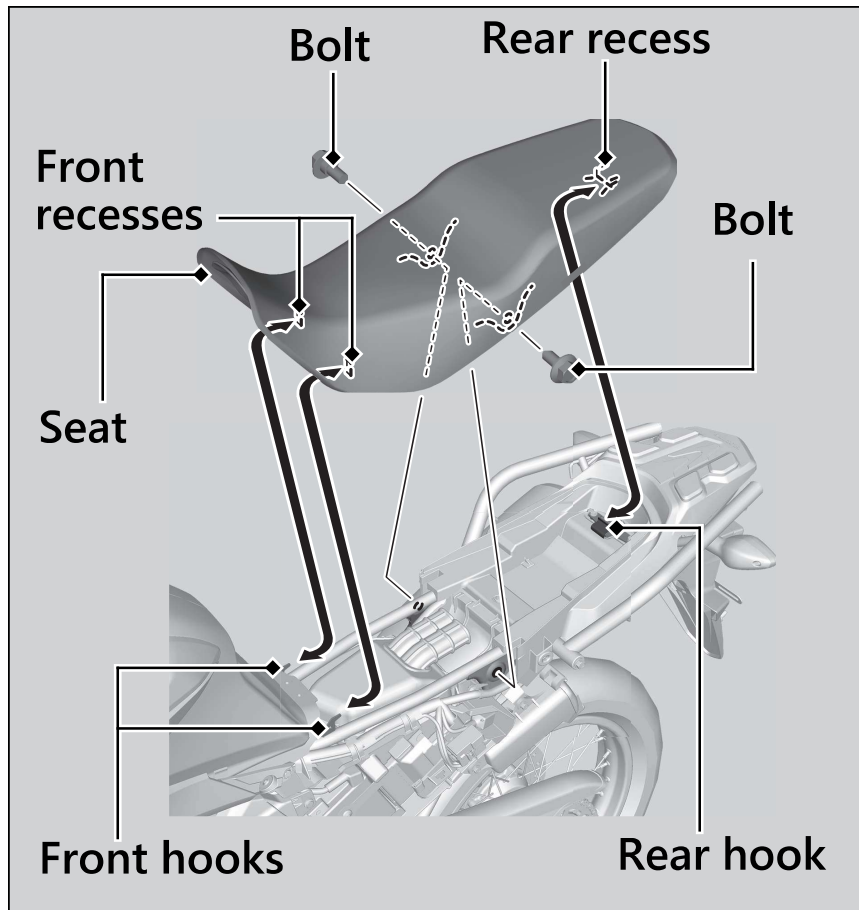
1. Pull up the centre pin to release the lock.
2. Pull out the clip from the hole.

### Installation



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

## Seat



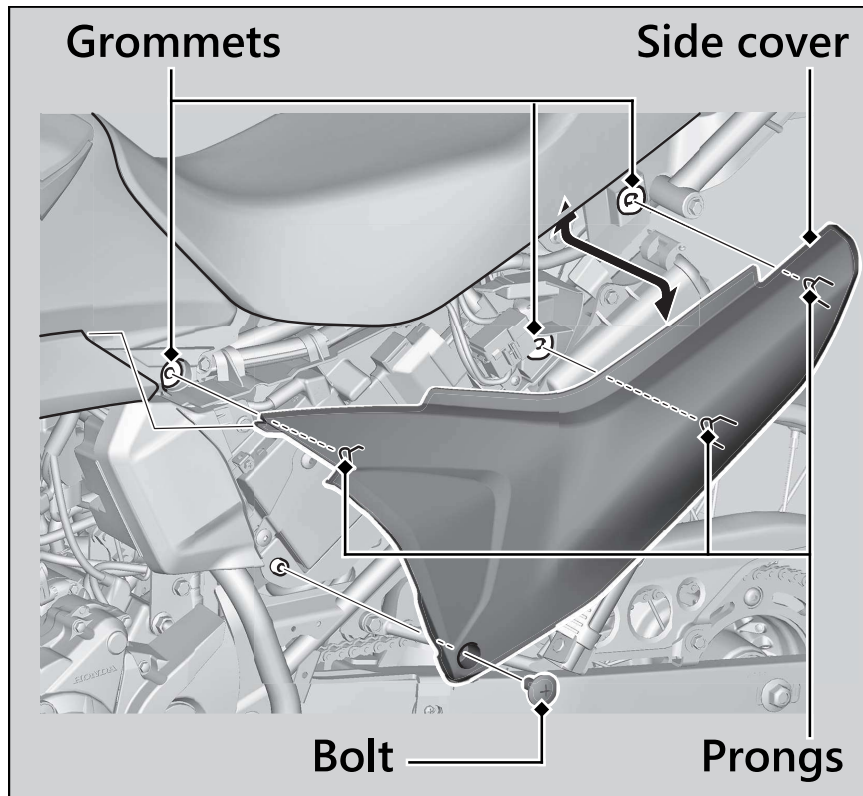
### Removal

1. Remove both side covers. ➡ P. 68
2. Remove the bolts.
3. Pull the seat back and up.

### Installation

1. Align the front recesses to the front hooks and rear recess to the rear hook.
2. Slide the seat into position.
3. Install and tighten the bolts securely.
4. Install the parts in the reverse order of removal.

## Side Cover



The right and left side covers can be removed in the same way.

### Removal

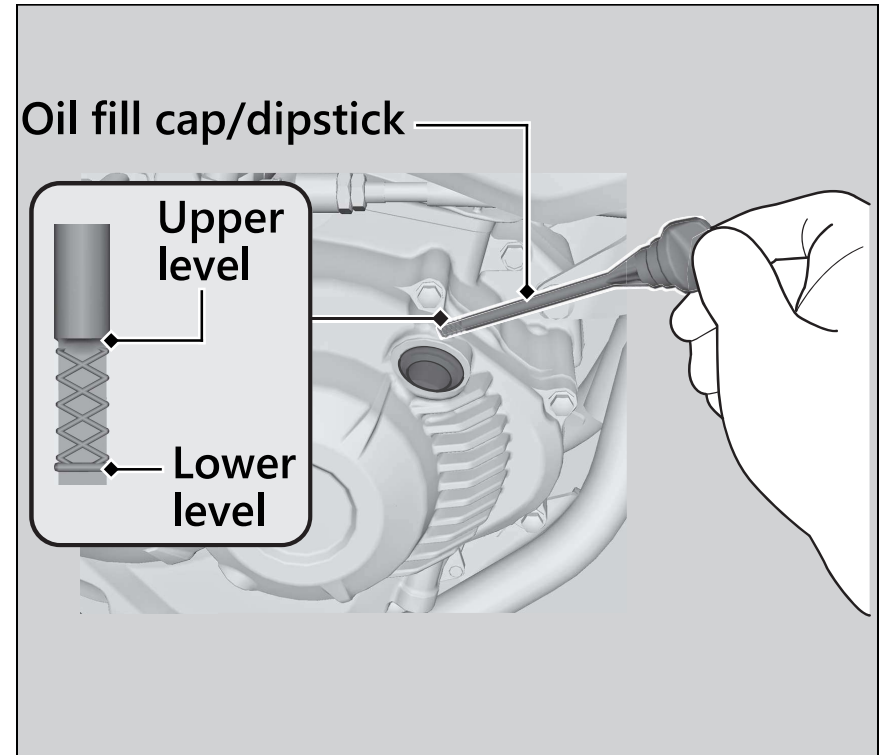
1. Remove the bolt.
2. Remove the prongs from the grommets.
3. Remove the side cover.

### Installation

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 to the **○** (Off) position and wait for 2 to 3 minutes.
3. Place your vehicle in an upright position on a firm, level surface.
4. Remove the oil fill cap/dipstick and wipe it clean.
5. Insert the oil fill cap/dipstick until it seats, but don't screw it in.
6. Check that the oil level is between the upper level and lower level marks on the oil fill cap/dipstick.
7. Securely install the oil fill cap/dipstick.



## Adding Engine Oil

---

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

➡ P. 55, ➡ P. 116

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

2. Securely reinstall the oil fill cap/dipstick.

### NOTICE

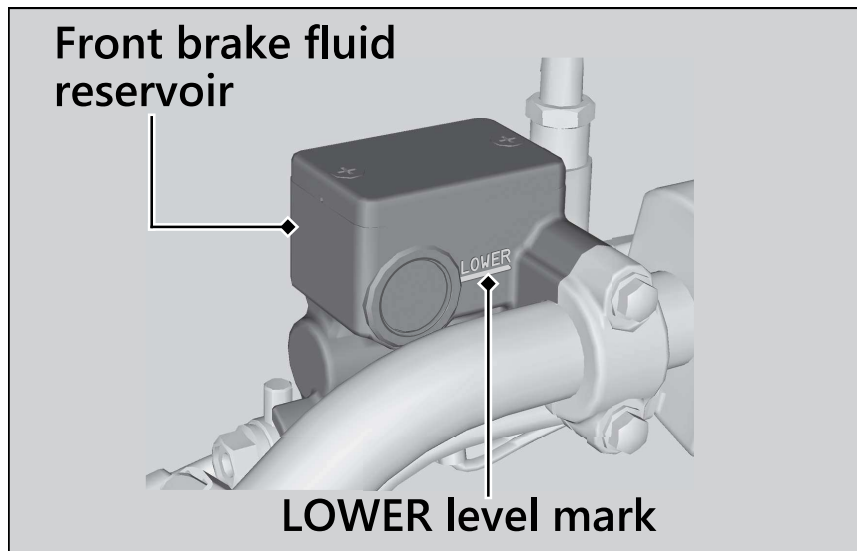
Overfilling with oil or operating with insufficient oil can cause damage to your engine. Do not mix different brands and grades of oil. They may affect lubrication and clutch operation.

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

➡ P. 55

## Checking Brake Fluid

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

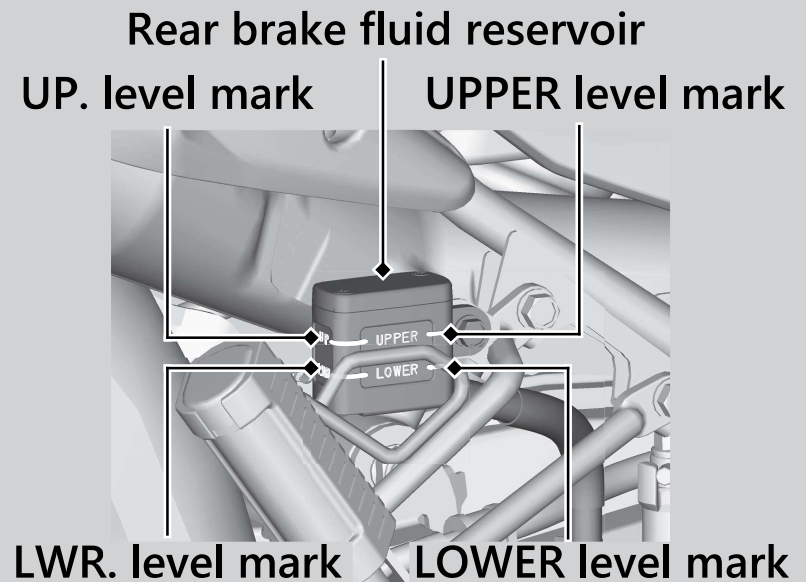


### Rear

#### III CO, III AG type

Check that the brake fluid reservoir is horizontal and that the fluid level is between the LOWER/LWR. level and UPPER/UP. level marks.

#### III CO, III AG type



## Brakes ► Checking Brake Fluid

If the brake fluid level in the reservoir is below the LOWER/LWR. level mark or the brake lever freeplay becomes excessive, inspect the brake pads for wear.

If the brake pads are not worn, you most likely have a leak. Have your vehicle inspected by your dealer.

## 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 the brake caliper.

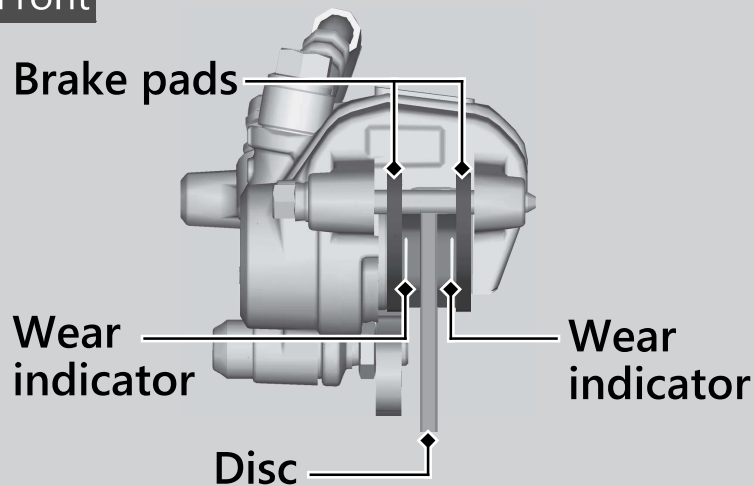
2. **III CO, III AG type**

**Rear** Inspect the brake pads from the rear right of the vehicle.

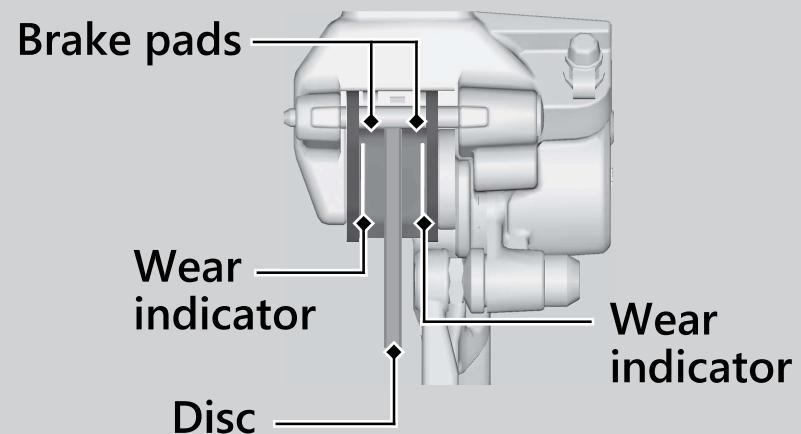
If necessary, have the pads replaced by your dealer.

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

**Front**



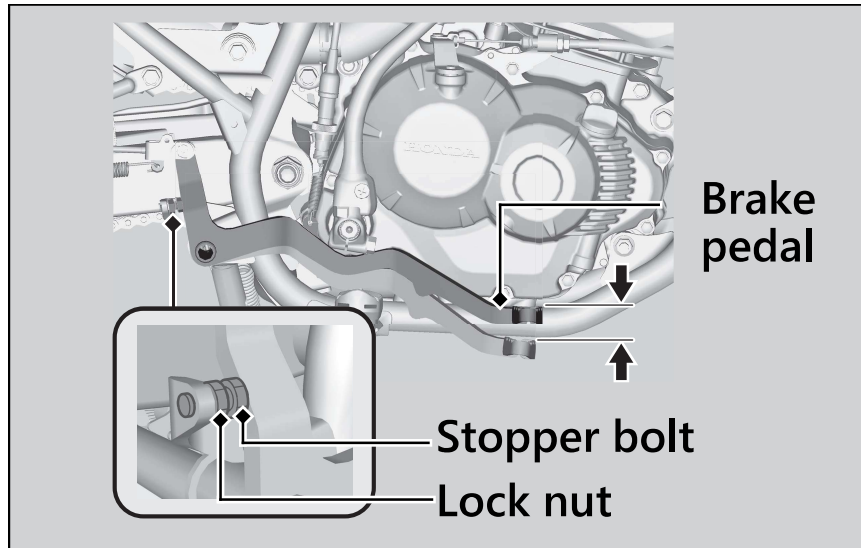
**Rear III CO, III AG type**



## Adjusting the Rear Brake Pedal Height

### SA type

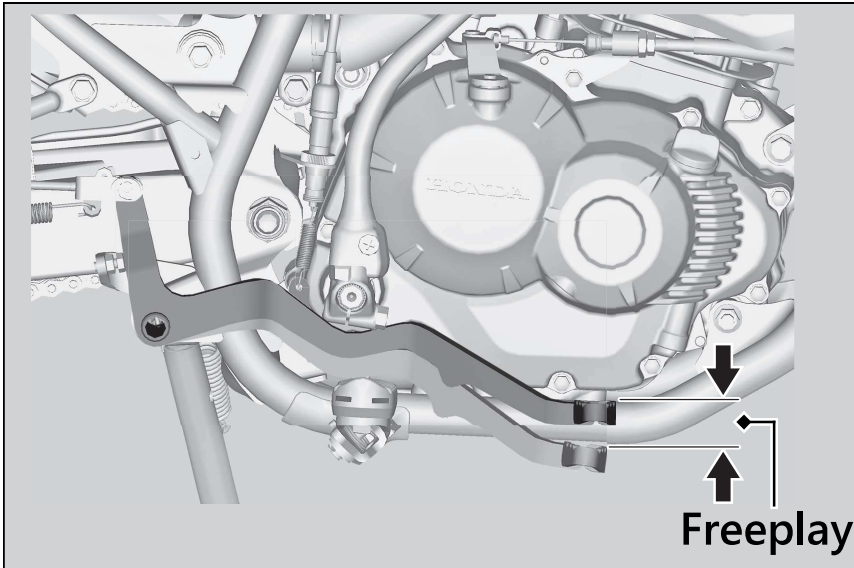
The stopper bolt is provided to allow adjustment of the pedal height.



1. Place your vehicle on its side stand on a firm, level surface.
2. Loosen the lock nut and turn the stopper bolt.
3. Tighten the lock nut and check the freeplay.

## Inspecting the Rear Brake Pedal Freeplay

SA type



### Brakes ► Inspecting the Rear Brake Pedal Freeplay

1. Place your vehicle on its side stand on a firm, level surface.
2. Measure the distance the rear brake pedal moves before the brake takes hold.

#### **Freeplay at the tip of the brake pedal:**

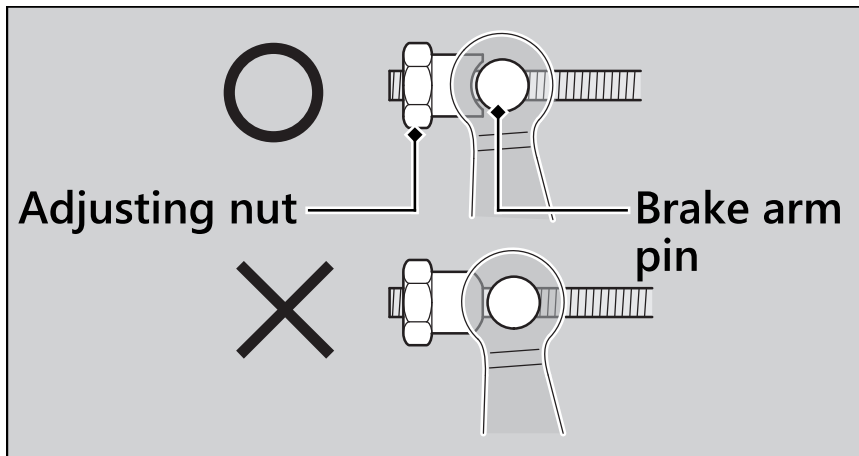
15 - 25 mm (0.6 - 1.0 in)

Make sure the brake rod, brake arm, spring and fastener are in good condition.

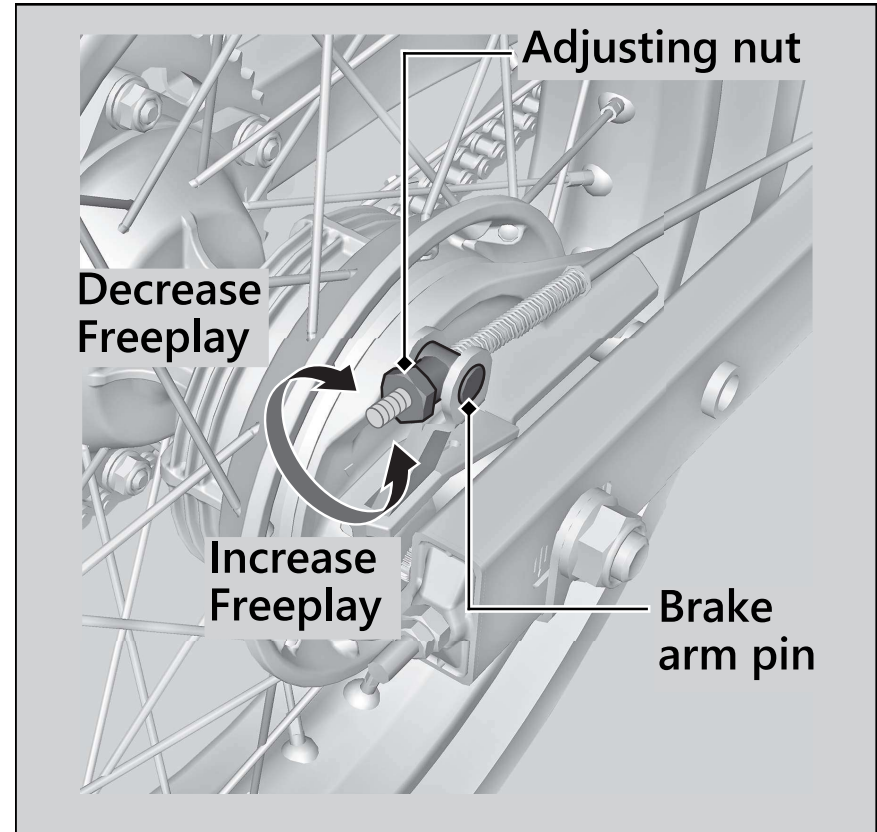
## Adjusting the Rear Brake Pedal Freeplay

### SA type

Make sure the cut-out on the adjusting nut is seated on the brake arm pin when adjusting the freeplay.

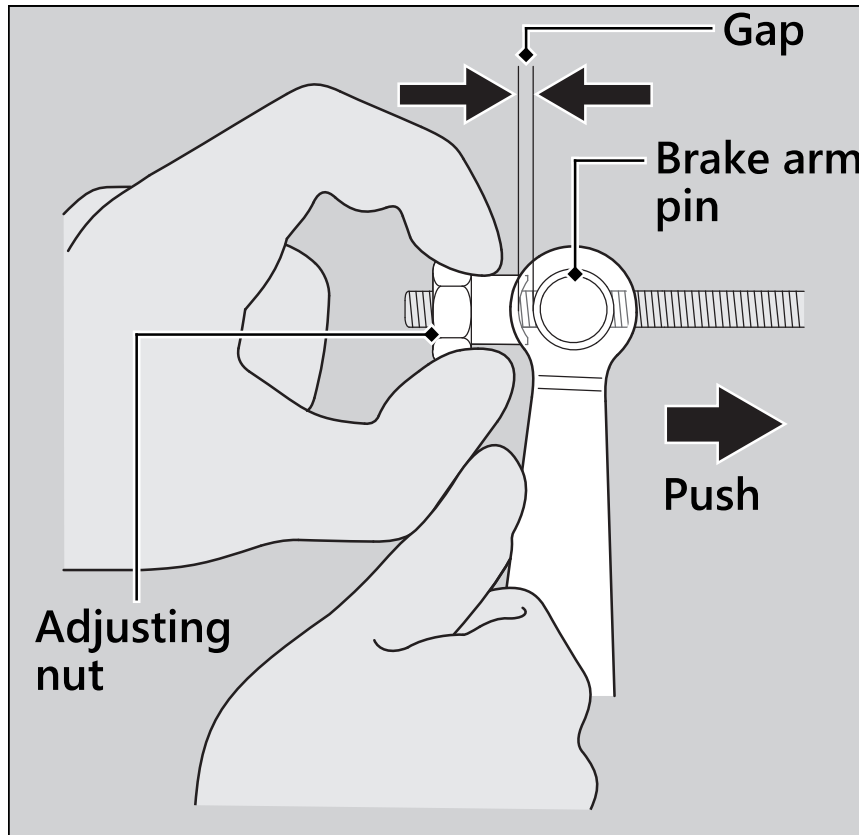


If proper adjustment cannot be obtained by this method, see your dealer.



1. Adjust by turning the rear brake adjusting nut a half-turn at a time.
2. Apply the brake several times and check for free wheel rotation after the brake pedal is released.

3. Push the brake arm to confirm that there is a gap between the rear brake adjusting nut and brake arm pin.



After adjustment, confirm the freeplay of the brake pedal.

Make sure the brake rod, brake arm, spring and fastener are in good condition.

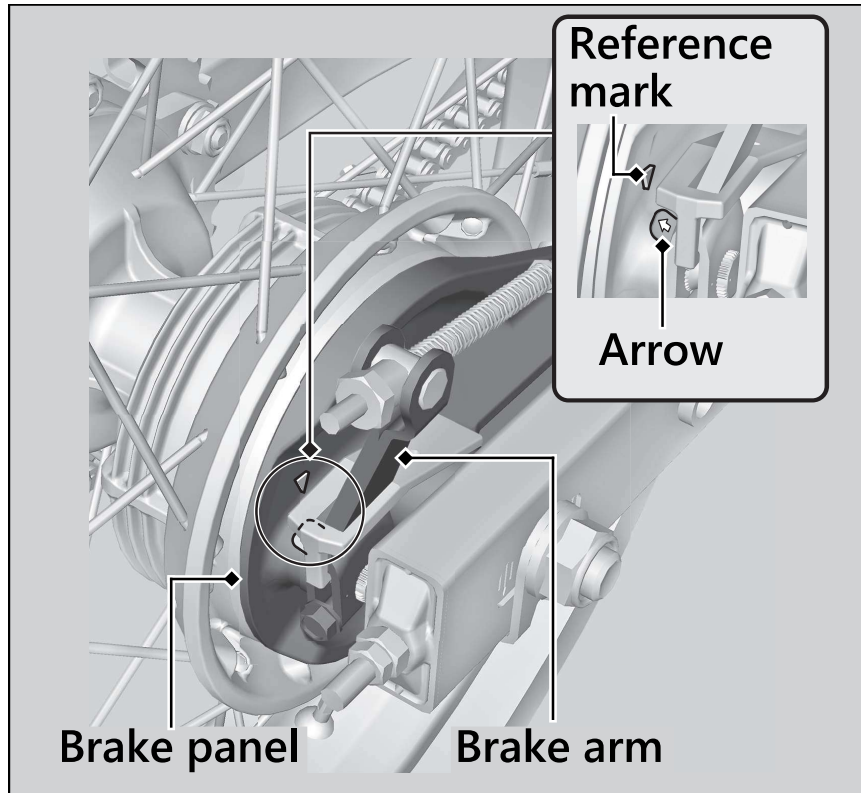
**NOTICE**

Do not turn the adjuster beyond its natural limits.

## Inspecting the Rear Brake Shoe Wear

### SA type

The rear brake is equipped with a brake wear indicator.

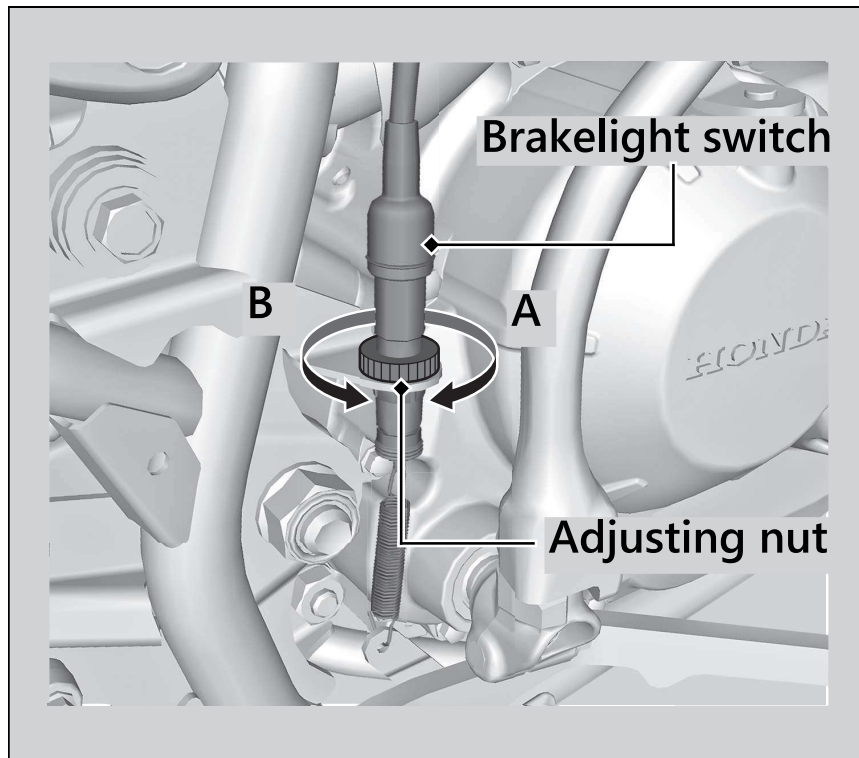


When the brake is applied, an arrow attached to the brake arm moves toward a reference mark on the brake panel. If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced. See your dealer for this service.

When brake service is necessary, see your dealer. Use only Honda Genuine Parts or their equivalent.

## Adjusting the Brakelight Switch

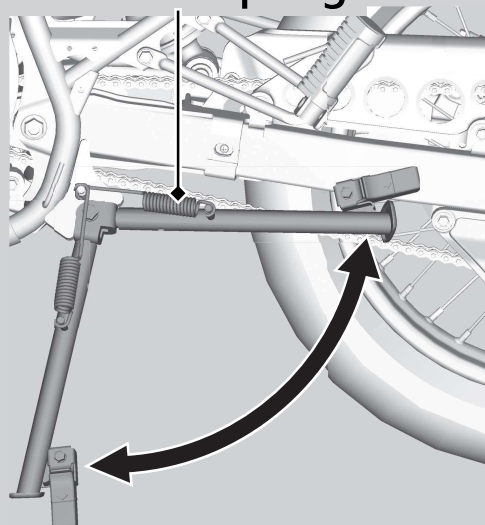
Check the operation of the brakelight switch. Hold the brakelight switch and turn the adjusting nut in the direction A if the switch operates too late, or turn the nut in the direction B if the switch operates too soon.



# Side Stand

## Checking the Side Stand

Side stand spring



### SA, III CO type

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.

### III AG type

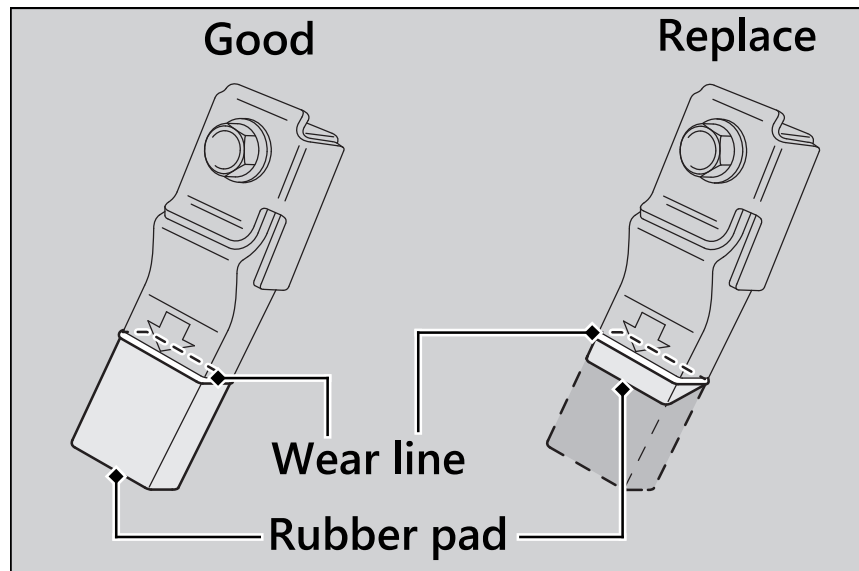
1. Check that the side stand operates smoothly. If the side stand is stiff or squeaky, clean the pivot area and lubricate the pivot bolt with clean grease.
2. Check the spring for damage or loss of tension.
3. Sit on the vehicle, shift the transmission to Neutral, and raise the side stand.
4. Start the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

## Checking the Rubber Pad

SA, III CO type

Check the rubber pad for deterioration and wear. Replace if wear extends to any point of the wear line.

If necessary, have the rubber pad replaced by your dealer.



## Inspecting the Drive Chain Slack

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

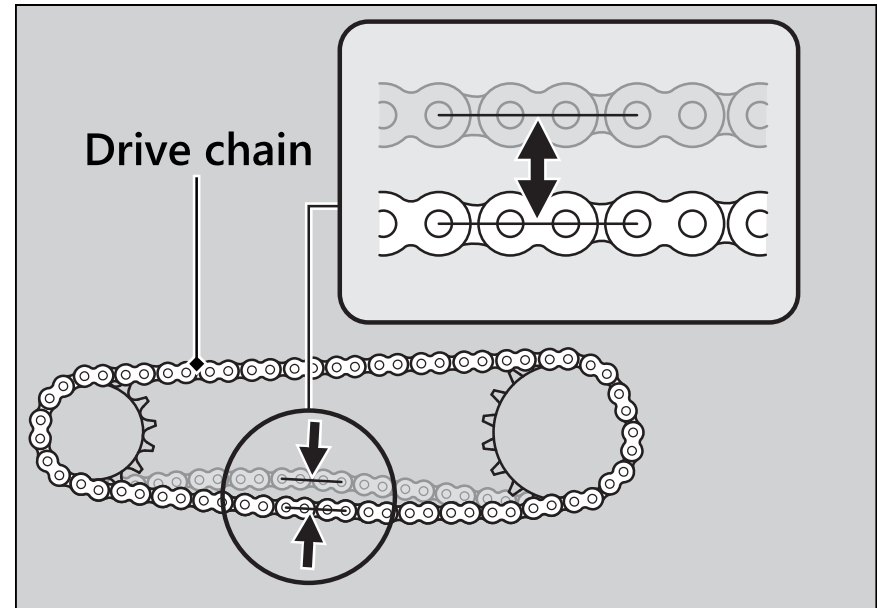
Have the chain inspected by your dealer.

1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its side stand on a firm, level surface.
3. Move the lower part of the drive chain up and down to check chain slack, midway between the sprockets.

### Drive chain slack:

20 - 30 mm (0.8 - 1.2 in)

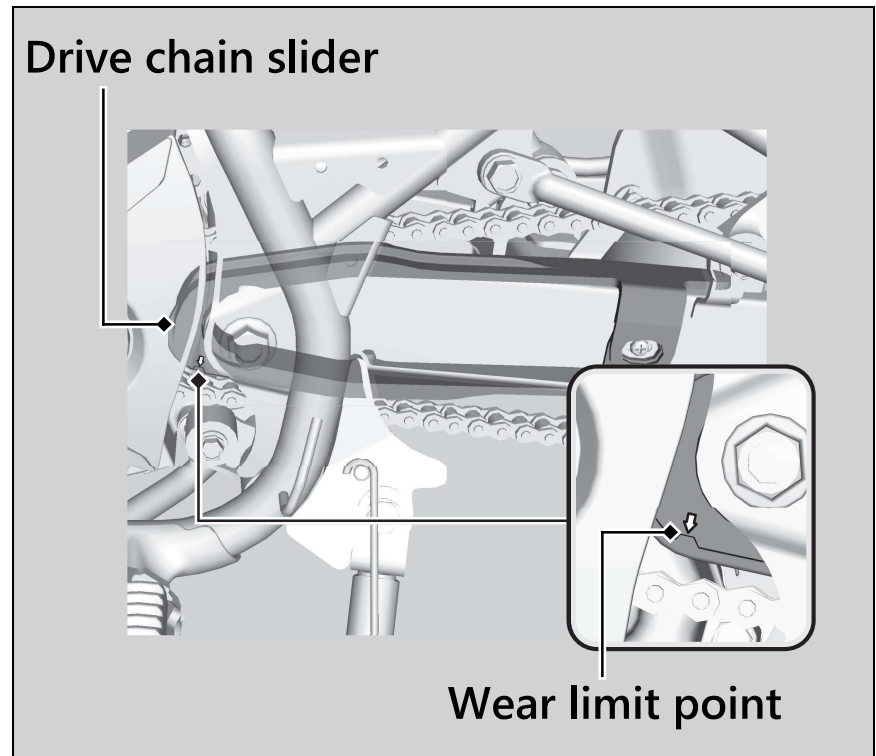
- Do not ride your vehicle if the slack exceeds 60 mm (2.4 in).



4. Roll the vehicle forward and check that the chain moves smoothly.
5. Inspect the sprockets. ➡ P. 57
6. Clean and lubricate the drive chain. ➡ P. 57

## Checking the Drive Chain Slider

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



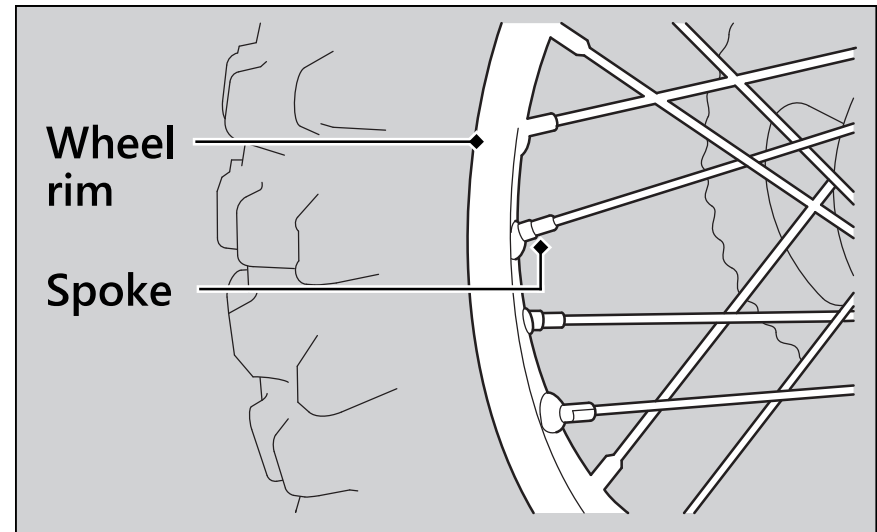
## Wheels Rims & Spokes

Keeping the wheels true (round) and maintaining correct spoke tension is critical to safe vehicle operation.

Excessively loose spokes may result in instability at high speeds and possible loss of control.

It is not necessary to remove the wheels to perform the recommended service in the Maintenance Schedule.

1. Inspect the wheel rims and spokes for damage.
2. Tighten any loose spokes.
3. Rotate the wheel slowly to see if it appears to “wobble.” If it does, the rim is out of round or not “true.” If the wobble is noticeable, see your dealer for inspection.



# Clutch

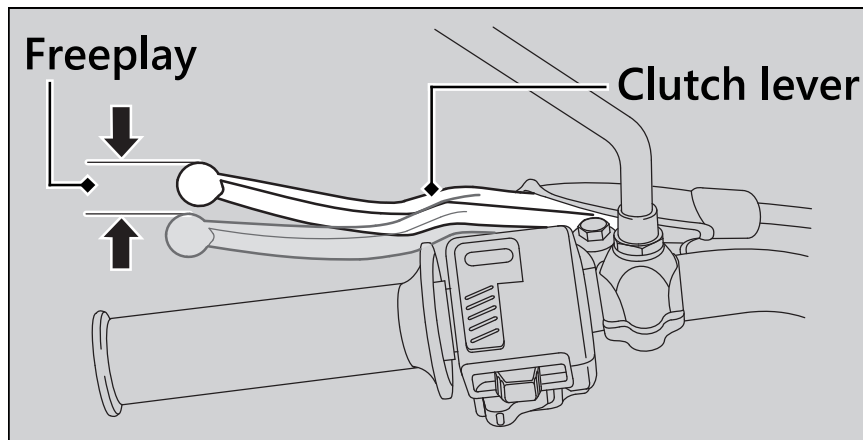
## Checking the Clutch

### Checking the Clutch Lever Freeplay

Check the clutch lever freeplay.

#### Freeplay at the clutch lever:

10 - 20 mm (0.4 - 0.8 in)



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

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

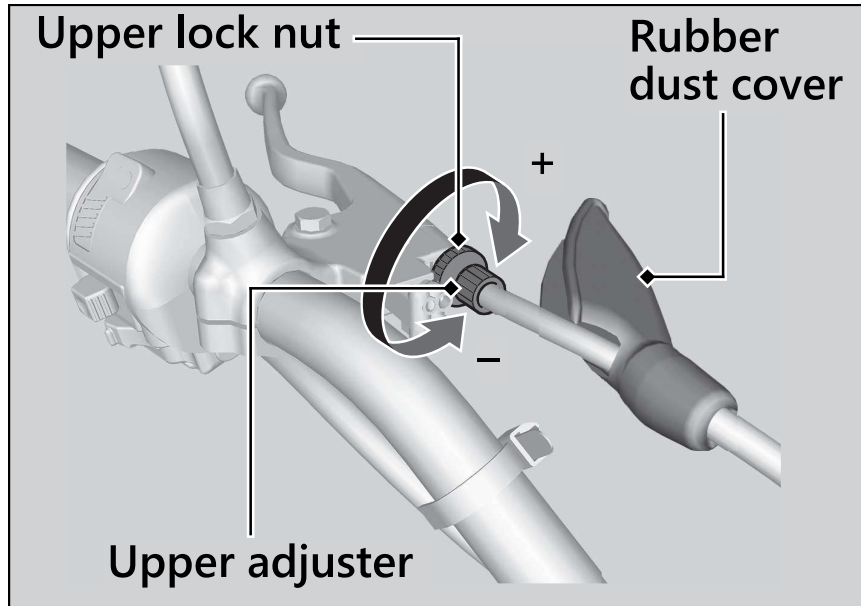
#### NOTICE

Improper freeplay adjustment can cause premature clutch wear.

## Adjusting the Clutch Lever Freeplay

### I Upper Adjustment

Attempt adjustment with the upper clutch cable adjuster first.

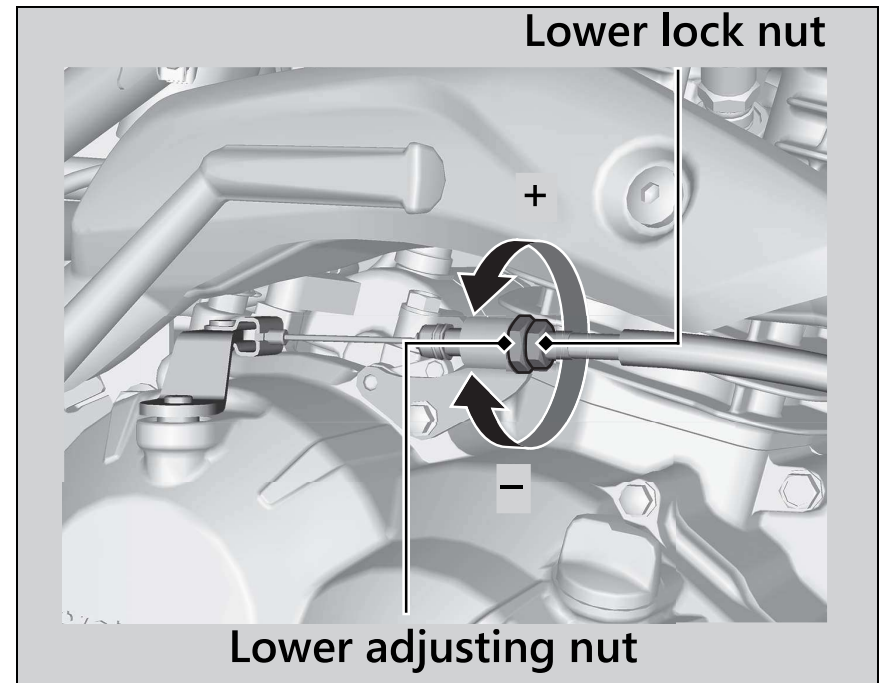


1. Pull back the rubber dust cover.
2. Loosen the upper lock nut.
3. Turn the upper clutch cable adjuster until the freeplay is 10 - 20 mm (0.4 - 0.8 in).
4. Tighten the upper lock nut and check the freeplay again.
5. Install the rubber dust cover.

## Lower Adjustment

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

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



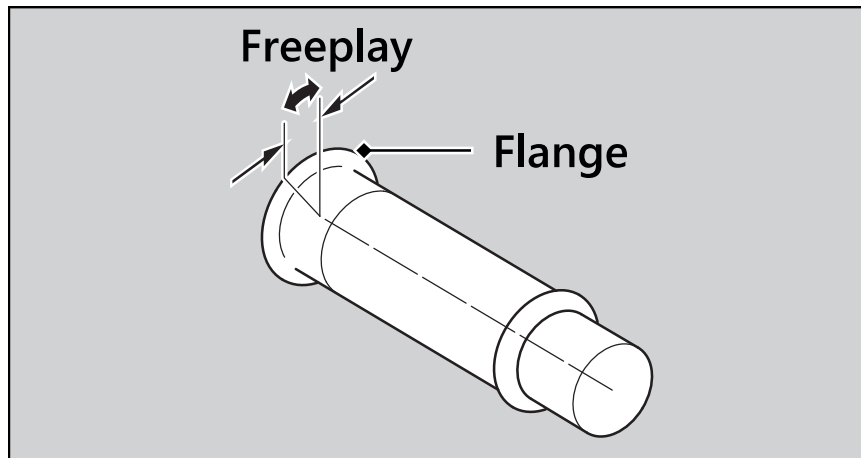
If proper adjustment cannot be obtained or the clutch does not work correctly, see your dealer.

## Checking the Throttle

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

### Freeplay at the throttle grip flange:

2 - 6 mm (0.1 - 0.2 in)



# Troubleshooting

|                                                |        |
|------------------------------------------------|--------|
| <b>Engine Will Not Start</b> .....             | P. 90  |
| <b>Warning Indicators On or Flashing</b> ..... | P. 92  |
| PGM-FI (Programmed Fuel Injection)             |        |
| Malfunction Indicator Lamp (MIL).....          | P. 92  |
| ABS (Anti-lock Brake System) Indicator .....   | P. 93  |
| <b>Other Warning Indications</b> .....         | P. 94  |
| Fuel Gauge Failure Indication.....             | P. 94  |
| <b>Tyre Puncture</b> .....                     | P. 95  |
| <b>Electrical Trouble</b> .....                | P. 96  |
| Battery Goes Dead .....                        | P. 96  |
| Burned-out Light Bulb.....                     | P. 96  |
| Blown Fuse .....                               | P. 100 |
| <b>Unstable Engine Operation Occurs</b>        |        |
| Intermittently .....                           | P. 102 |

# Engine Will Not Start

## Starter Motor Operates But Engine Does Not Start

---

Check the following items:

- Check the correct engine starting sequence. ➡ P. 37
- Check that there is petrol in the fuel tank.
- Check if the PGM-FI malfunction indicator lamp (MIL) is on.
  - ▶ If the indicator lamp is on, contact your dealer as soon as possible.

## Starter Motor Does Not Operate

---

Check the following items:

- Check the correct engine starting sequence. ➡ P. 37
- Check for a blown fuse. ➡ P. 100
- Check for a loose battery connection (➡ P. 64) or battery terminal corrosion (➡ P. 54).
- Check the condition of the battery.
  - ➡ P. 96

If the problem continues, have your vehicle inspected by your dealer.  
If the electric starter does not work and you can start the engine with kickstarting.

## **WARNING**

When you kickstart the engine, check if the lights, horn, and turn signals operate normally. If they do not work normally, do not ride the vehicle as the battery is not charged.

If the battery is not charged, lights, horn and turn signals may not operate properly.

As a result, other vehicles may not be able to see you or you may not be able to see other vehicles or road hazards, increasing the risk of a crash resulting in injury or death.

## Warning Indicators On or Flashing

### **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 vehicle inspected by your dealer as soon as possible.

## ABS (Anti-lock Brake System) Indicator

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### III CO, III AG type

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

- Indicator comes on or starts flashing while riding.
- Indicator does not go off at speeds above 10 km/h (6 mph).

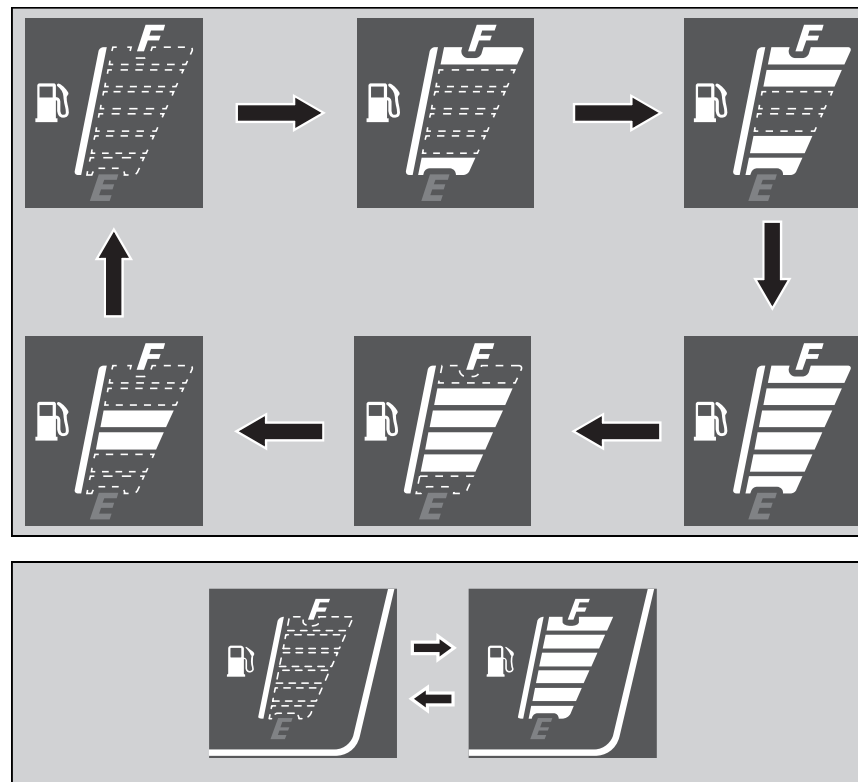
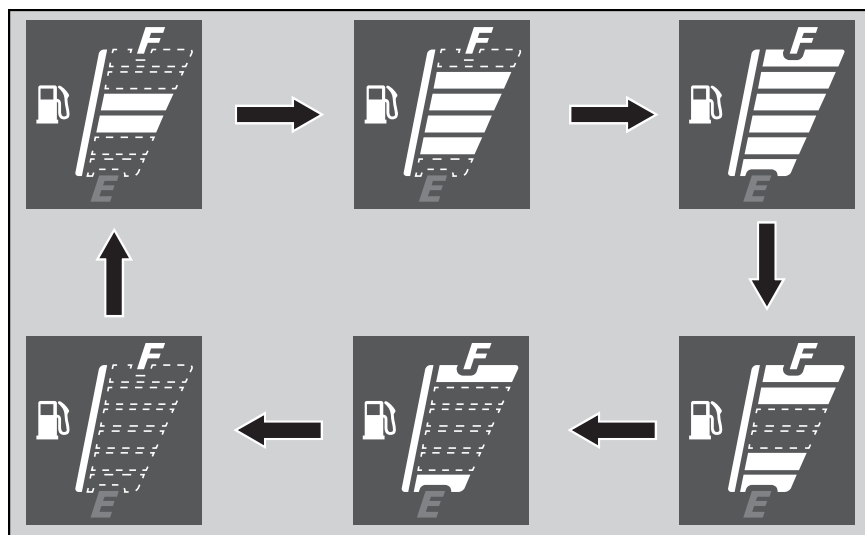
If the ABS indicator stays on, your brakes will continue to work as a conventional system, but without the anti-locking function.

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

## Other Warning Indications

### Fuel Gauge Failure Indication

If the fuel system has an error, the fuel gauge will be displayed as shown in the illustration. If this occurs, 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.

## Tube Repair and Replacement

If a tube is punctured or damaged, you should replace it as soon as possible. A tube that is repaired may not have the same reliability as a new one, and it may fail while you are riding.

If you need to make a temporary repair by patching a tube or using an aerosol sealant, ride cautiously at reduced speed and have the tube replaced before you ride again.

Anytime a tube is replaced, the tyre should be carefully inspected as described.

### **WARNING**

Riding your vehicle with a temporary tyre or tube 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 or tube repair, ride slowly and carefully and do not exceed 50 km/h (30 mph) until the tyre or tube is replaced.

## Battery Goes Dead

Charge the battery using a motorcycle battery charger.

Remove the battery from the vehicle before charging.

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

### NOTICE

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

## Burned-out Light Bulb

Follow the procedure below to replace a burned-out light bulb.

Turn the ignition switch to the  (Off) or  (Lock) position.

Allow the bulb to cool before replacing it.

Do not use bulbs other than those specified.

Check the replacement bulb for correct operation before riding.

For the light bulb wattage, see "Specifications." ➡ P. 117

The headlight uses several LEDs.

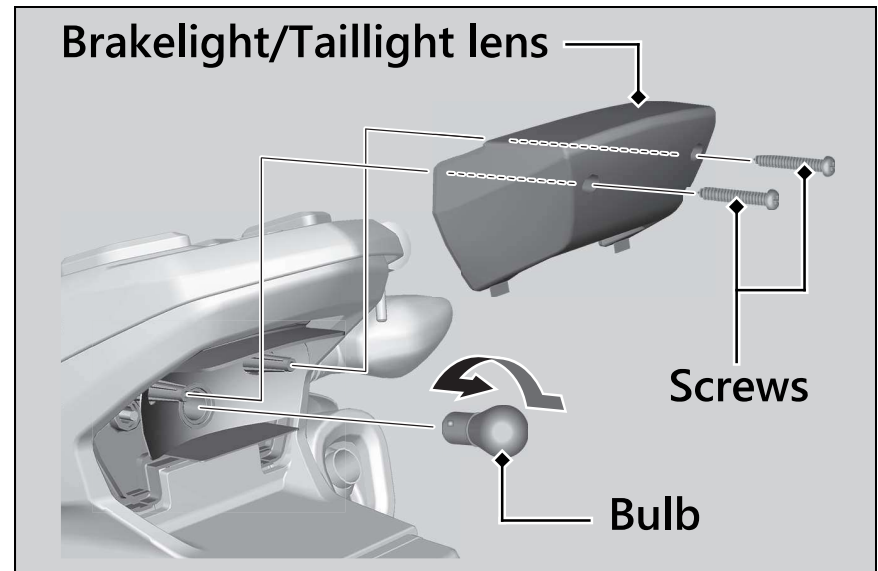
If there is an LED which is not turned on, see your dealer for servicing.

**SA, III AG type**

The front and rear turn signals use several LEDs.

If there is an LED which is not turned on, see your dealer for servicing.

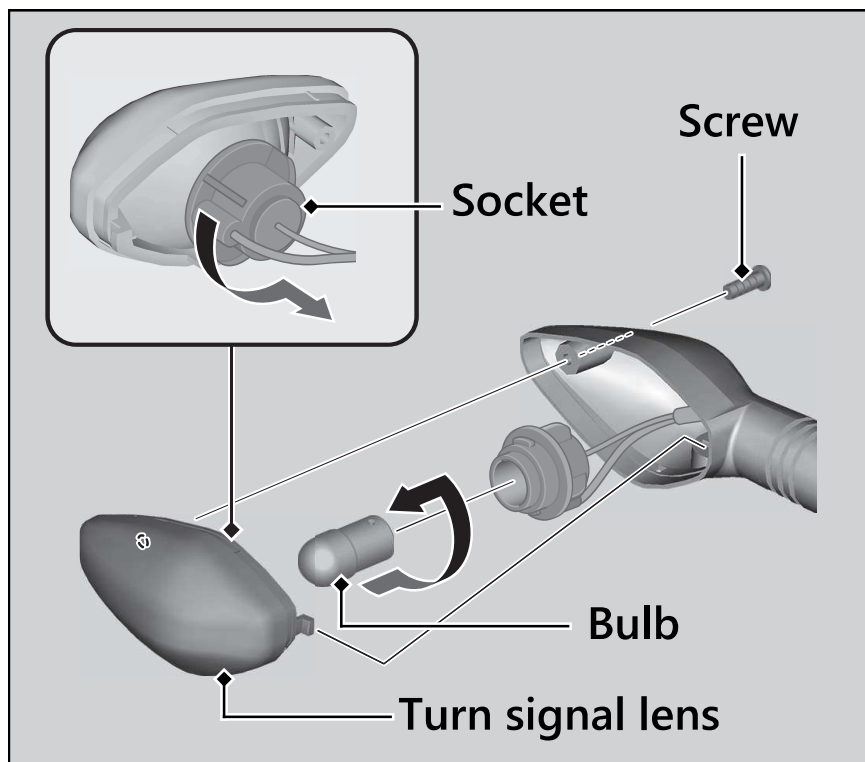
## Brakelight/Taillight Bulb



1. Remove the brakelight/taillight lens by removing the screws.
2. Slightly press the bulb in and turn it counterclockwise.
3. Install a new bulb and parts in the reverse order of removal.
  - After putting back the lens packing in place, install the brakelight/taillight lens.

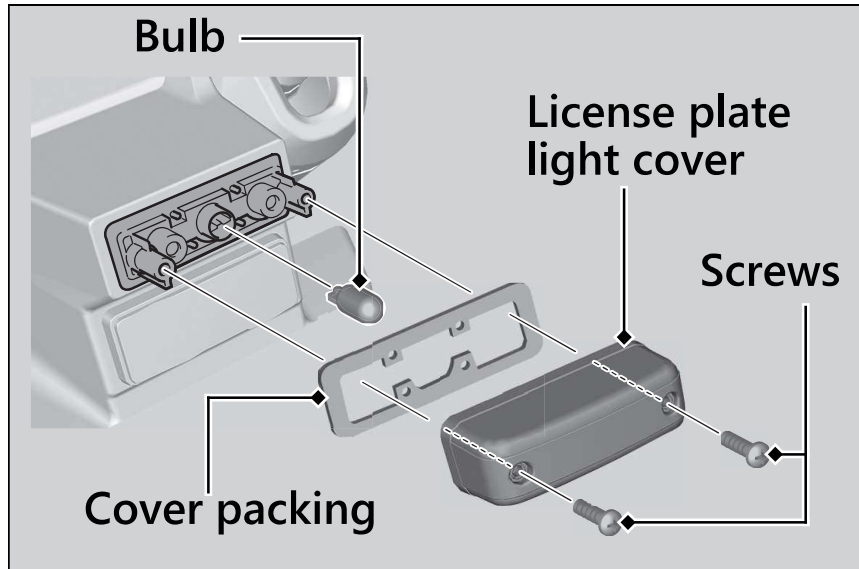
## Front/Rear Turn Signal Bulb

III CO type



1. Remove the turn signal lens by removing the screw.
2. Turn the socket counterclockwise, and remove it.
3. Slightly press the bulb in and turn it counterclockwise.
4. Install a new bulb and parts in the reverse order of removal.  
► Use only amber bulb.

## License Plate Light Bulb



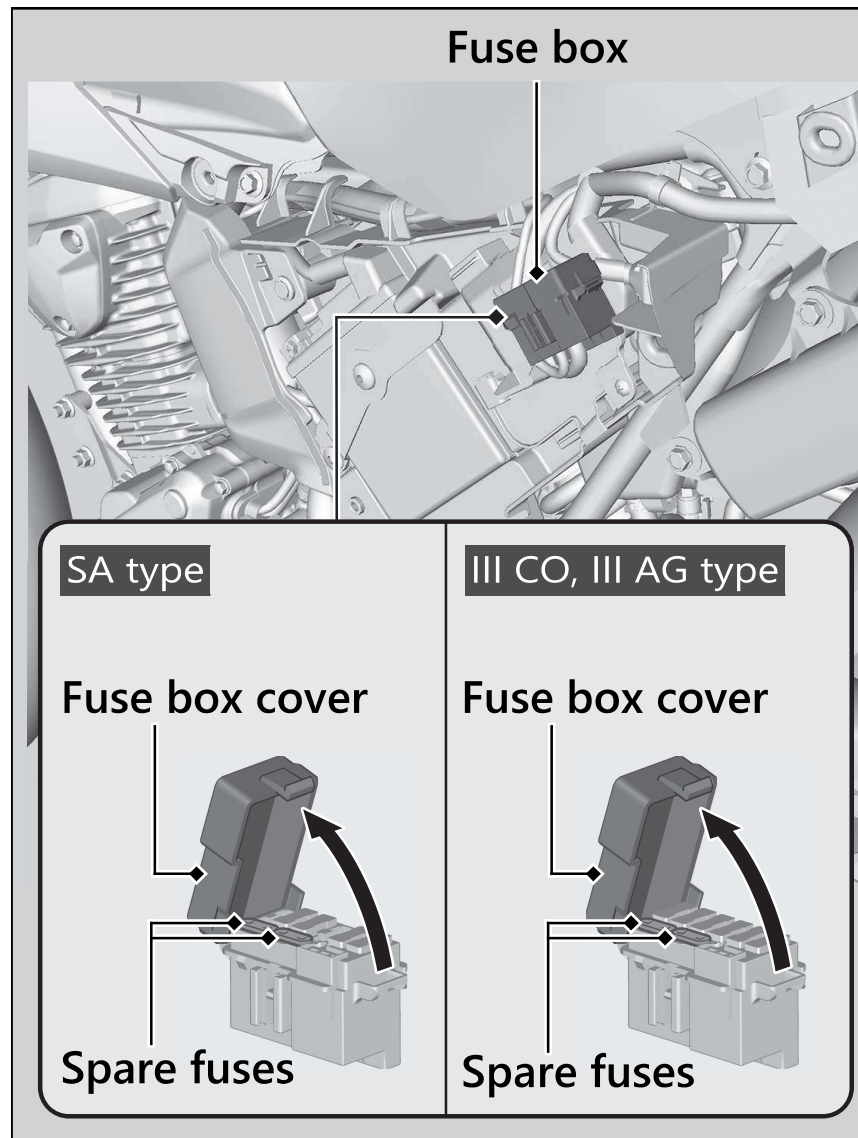
1. Remove the screws.
2. Remove the license plate light cover and cover packing.
3. Pull out the bulb without turning.
4. Install a new bulb and parts in the reverse order of removal.

## Blown Fuse

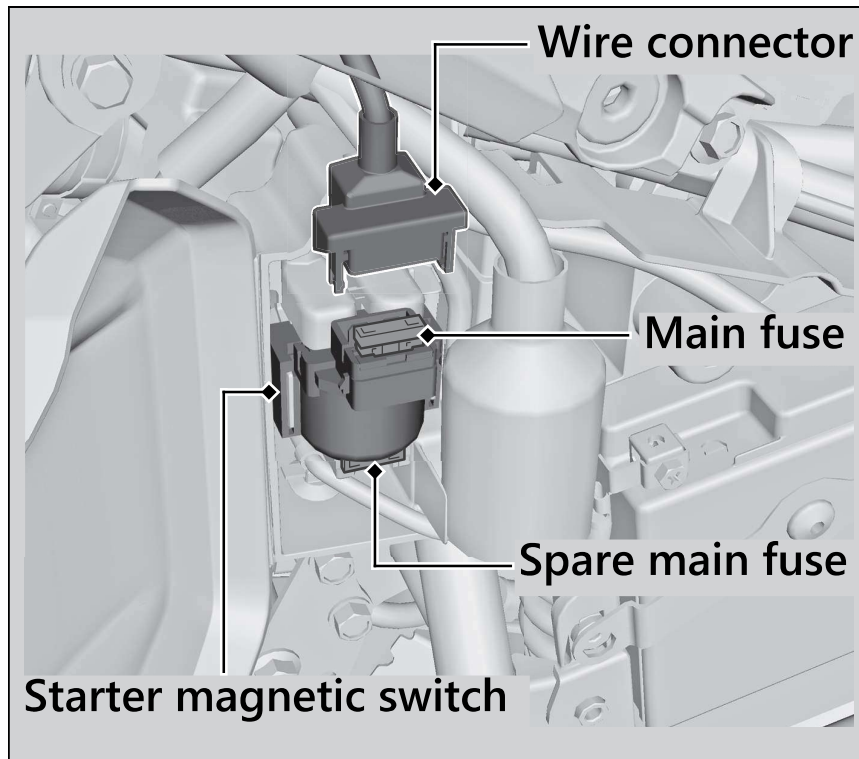
Before handling fuses, see "Inspecting and Replacing Fuses." ➡ P. 55

### Fuse Box Fuses

1. Remove the left side cover. ➡ P. 68
2. Open the fuse box cover.
3. Pull out the fuses one by one check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
4. Close the fuse box cover.
5. Install the parts in the reverse order of removal.



## ■ Main Fuse



1. Remove the left side cover. ➡ P. 68
2. Open the battery lid. ➡ P. 65
3. Disconnect the wire connector of the starter magnetic switch.
4. Pull the main fuse out and check for a blown fuse. Always replace a blown fuse with a spare of the same rating.  
► Spare main fuse is provided in the starter magnetic switch.
5. Install the parts in the reverse order of removal.

### NOTICE

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

## Unstable Engine Operation Occurs Intermittently

If the fuel pump filter is clogged, unstable engine operation will occur intermittently while riding.

Even if this symptom occurs, you can continue to ride your vehicle.

If unstable engine operation occurs even if sufficient fuel is available, have your vehicle inspected by your dealer as soon as possible.

# Information

|                                            |        |
|--------------------------------------------|--------|
| Keys.....                                  | P. 104 |
| Instruments, Controls, & Other Features... | P. 105 |
| Caring for Your Vehicle.....               | P. 106 |
| Storing Your Vehicle.....                  | P. 109 |
| Transporting Your Vehicle .....            | P. 110 |
| You & the Environment .....                | P. 111 |
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| Fuels Containing Alcohol .....             | P. 113 |
| Catalytic Converter .....                  | P. 114 |

# Keys

### Ignition Key

Be sure to record the key number provided with the key number plate. Store the spare key and key number in a safe location.

To make a duplicate, take the spare key or the key number to your dealer.

If you lose all ignition keys and the key number, the ignition switch assembly will probably have to be removed by your dealer to determine the key number.

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

# Instruments, Controls, & Other Features

## Ignition Switch

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

## Odometer

The display remains at 999,999 when the odometer exceeds 999,999.

## Tripmeter

Each tripmeter resets to 0.0 when the trip mileage exceeds 9,999.9.

## Document Bag

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

## Ignition Cut-off System

A banking (lean angle) sensor automatically stops the engine and fuel pump if the vehicle falls over. To reset the sensor, you must turn the ignition switch to the **O** (Off) position and back to the **I** (On) position before the engine can be restarted.

## Caring for Your Vehicle

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

### Washing

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

1. Rinse your vehicle thoroughly using a low pressure garden hose to remove loose dirt.
2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
  - ▶ Clean the headlight lens, panels, and other plastic components with extra care to avoid scratching them. Avoid directing

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

3. Thoroughly rinse your vehicle with plenty of clean water and dry with a soft, clean cloth.
4. After the vehicle dries, lubricate any moving parts.
  - ▶ Make sure that no lubricant spills onto the brakes or tyres. Brake discs, pads, drum or shoes contaminated with oil will suffer greatly reduced braking effectiveness and can lead to a crash.
5. Lubricate the drive chain immediately after washing and drying the vehicle.
6. Apply a coat of wax to prevent corrosion.
  - ▶ Avoid products that contain harsh detergents or chemical solvents. These can damage the metal, paint, and plastic on your vehicle. Keep the wax clear of the tyres and brakes.
  - ▶ If your vehicle has any mat painted parts, do not apply a coat of wax to the mat painted surface.

### ■ Washing Precautions

Follow these guidelines when washing:

- Do not use high-pressure washers:
    - ▶ High-pressure water cleaners can damage moving parts and electrical parts, rendering them inoperable.
    - ▶ Water in the air intake can be drawn into the throttle body and/or enter the air cleaner.
  - Do not direct water at the muffler:
    - ▶ Water in the muffler can prevent starting and causes rust in the muffler.
  - Dry the brakes:
    - ▶ Water adversely affects braking effectiveness. After washing, apply the brakes intermittently at low speed to help dry them.
  - Do not direct water under the seat:
    - ▶ Water in the under seat compartment can damage your documents and other belongings.
- Do not direct water at the air cleaner:
    - ▶ Water in the air cleaner can prevent the engine from starting.
  - Do not direct water near the headlight:
    - ▶ The headlight's inside lens may fog temporarily after washing or while riding in the rain. This does not impact the headlight function.  
However, if you see a large amount of water or ice accumulated inside the lens(es), have your vehicle inspected by your dealer.
  - Do not use wax or polishing compounds on mat painted surfaces:
    - ▶ Use a soft cloth or sponge, plenty of water, and a mild detergent to clean mat painted surfaces. Dry with a soft clean cloth.

## Caring for Your Vehicle

### 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.

### Exhaust Pipe and Muffler

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

# Storing Your Vehicle

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

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

- Wash your vehicle and wax all painted surfaces (except mat painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. ➡ P. 57
- Place your vehicle on a maintenance stand and position a block so that both tyres are off the ground.
- After rain, remove the body cover and allow the vehicle to dry.
- Remove the battery (➡ P. 64) to prevent discharge. Fully charge the battery and then place it in a shaded, well-ventilated area.
  - ▶ If you leave the battery in place, disconnect the negative ⊖ terminal to prevent discharge.

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

# Transporting Your Vehicle

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

### NOTICE

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

## You & the Environment

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

### Choose Sensible Cleaners

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

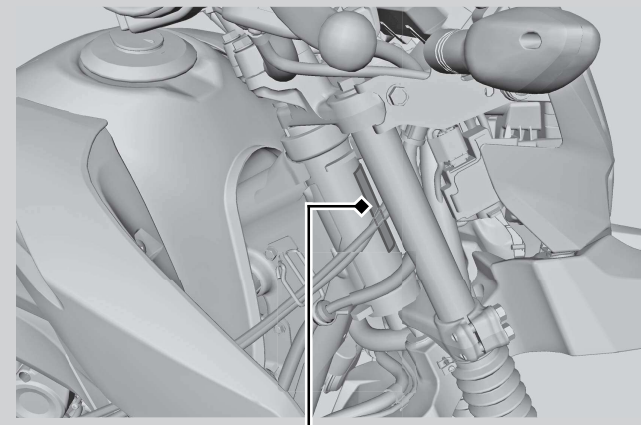
### Recycle Wastes

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, and cleaning solvents contain poisons that can hurt refuse workers and contaminate drinking water, lakes, rivers, and oceans.

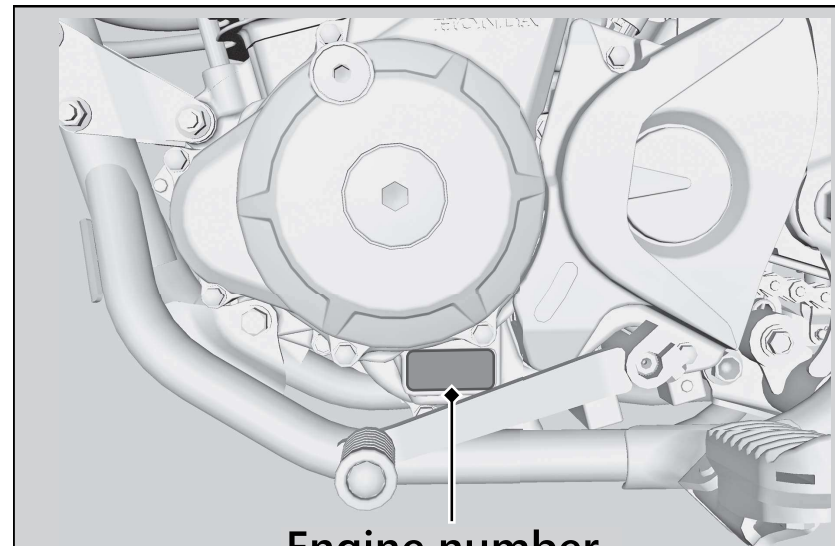
## Serial Numbers

# Serial Numbers

The frame and engine serial numbers uniquely identify your vehicle and are required in order to register your vehicle. They may also be required when ordering replacement parts. You should record these numbers and keep them in a safe place.



**Frame number**



**Engine number**

# Fuels Containing Alcohol

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

The following fuel blends can be used in your vehicle:

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

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

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

### NOTICE

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

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

# Catalytic Converter

This vehicle is equipped with 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 gases into safe compounds.

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

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

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

# Specifications

## ■ Main Components

|                                |                            |                       |
|--------------------------------|----------------------------|-----------------------|
| Overall length                 | <b>III CO, III AG type</b> | 2,082 mm (82.0 in)    |
|                                | <b>SA type</b>             | 2,075 mm (81.7 in)    |
| Overall width                  | <b>III CO, III AG type</b> | 812 mm (32.0 in)      |
|                                | <b>SA type</b>             | 815 mm (32.1 in)      |
| Overall height                 | <b>III CO, III AG type</b> | 1,126 mm (44.3 in)    |
|                                | <b>SA type</b>             | 1,125 mm (44.3 in)    |
| Wheelbase                      | <b>III CO, III AG type</b> | 1,357 mm (53.4 in)    |
|                                | <b>SA type</b>             | 1,360 mm (53.5 in)    |
| Minimum ground clearance       | <b>III CO, III AG type</b> | 247 mm (9.7 in)       |
|                                | <b>SA type</b>             | 240 mm (9.4 in)       |
| Caster angle                   |                            | 26° 12'               |
| Trail                          |                            | 96 mm (3.8 in)        |
| Curb weight                    | <b>III CO, III AG type</b> | 135 kg (298 lb)       |
|                                | <b>SA type</b>             | 134 kg (295 lb)       |
| Maximum weight capacity *1     |                            | 155 kg (342 lb)       |
| Maximum weight on rear carrier |                            | 5.0 kg (11.0 lb)      |
| Passenger capacity             |                            | Rider and 1 passenger |
| Minimum turning radius         |                            | 2.10 m (6.9 ft)       |

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

|                                   |                                                  |                                         |
|-----------------------------------|--------------------------------------------------|-----------------------------------------|
| Displacement                      | <b>III CO, III AG type</b>                       | 184.43 cm <sup>3</sup> (11.250 cu-in)   |
|                                   | <b>SA type</b>                                   | 184 cm <sup>3</sup> (11.2 cu-in)        |
| Bore x stroke                     | <b>III CO, III AG type</b>                       | 61.000 x 63.079 mm (2.4016 x 2.4834 in) |
|                                   | <b>SA type</b>                                   | 61.0 x 63.1 mm (2.40 x 2.48 in)         |
| Compression ratio                 | 9.5 : 1                                          |                                         |
| Fuel                              | Unleaded petrol<br>Recommended: 90 RON or higher |                                         |
| Fuel containing alcohol           | ETHANOL up to 10 % by volume                     |                                         |
| Tank capacity                     | <b>III CO, III AG type</b>                       | 12.0 L (3.17 US gal, 2.64 Imp gal)      |
|                                   | <b>SA type</b>                                   | 11.9 L (3.14 US gal, 2.62 Imp gal)      |
| Battery                           | YTX7L-BS or MTX7L-RS<br>12 V-6 Ah (10 HR)        |                                         |
| Gear ratio                        | 1st                                              | 2.785                                   |
|                                   | 2nd                                              | 1.789                                   |
|                                   | 3rd                                              | 1.368                                   |
|                                   | 4th                                              | 1.090                                   |
|                                   | 5th                                              | 0.928                                   |
| Reduction ratio (primary / final) | 3.136 / 3.000                                    |                                         |

## Specifications

### ■ Service Data

|                                          |                                                                                                                                                                                  |                                             |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Tyre size                                | Front                                                                                                                                                                            | 90/90-19M/C 52P                             |
|                                          | Rear                                                                                                                                                                             | 110/90-17M/C 60P                            |
| Tyre type                                | Bias-ply, tube                                                                                                                                                                   |                                             |
| Recommended Tyre                         | Front                                                                                                                                                                            | CST C-6559F                                 |
|                                          | Rear                                                                                                                                                                             | CST C-6559                                  |
| Tyre air pressure (Driver only)          | Front                                                                                                                                                                            | 150 kPa (1.50 kgf/cm <sup>2</sup> , 22 psi) |
|                                          | Rear                                                                                                                                                                             | 150 kPa (1.50 kgf/cm <sup>2</sup> , 22 psi) |
| Tyre air pressure (Driver and passenger) | Front                                                                                                                                                                            | 150 kPa (1.50 kgf/cm <sup>2</sup> , 22 psi) |
|                                          | Rear                                                                                                                                                                             | 200 kPa (2.00 kgf/cm <sup>2</sup> , 29 psi) |
| Minimum tread depth                      | Front                                                                                                                                                                            | 3.0 mm (0.12 in)                            |
|                                          | Rear                                                                                                                                                                             | 3.0 mm (0.12 in)                            |
| Spark plug                               | CPR8EA-9 (NGK)                                                                                                                                                                   |                                             |
| Spark plug gap                           | 0.8 - 0.9 mm (0.03 - 0.04 in)                                                                                                                                                    |                                             |
| Idle speed                               | 1,400 ± 100 rpm                                                                                                                                                                  |                                             |
| Recommended engine oil                   | Honda 4-stroke motorcycle oil API Service Classification SJ or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard MA |                                             |
| Engine oil capacity                      | After draining                                                                                                                                                                   | 1.0 L (1.1 US qt, 0.9 Imp qt)               |
|                                          | After disassembly                                                                                                                                                                | 1.2 L (1.3 US qt, 1.1 Imp qt)               |

|                                   |                                                                                                                |      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|------|
| Recommended brake fluid           | Honda DOT 3 or DOT 4 Brake Fluid                                                                               |      |
| Recommended drive chain lubricant | Drive chain lubricant designed specifically for O-ring chains.<br>If not available, use SAE 80 or 90 gear oil. |      |
| Drive chain slack                 | 20 - 30 mm (0.8 - 1.2 in)                                                                                      |      |
| Standard drive chain              | CHOHO 428HO                                                                                                    |      |
|                                   | No. of links                                                                                                   | 128  |
| Standard sprocket size            | Drive sprocket                                                                                                 | 16 T |
|                                   | Driven sprocket                                                                                                | 48 T |

## ■ Bulbs

|                                      |                        |               |
|--------------------------------------|------------------------|---------------|
| Headlight                            |                        | LED           |
| Brakelight/Taillight                 |                        | 12 V-21/5 W   |
| Front turn signal                    | <b>III CO type</b>     | 12 V-10 W × 2 |
| Front turn signal/<br>Position light | <b>SA, III AG type</b> | LED           |
| Rear turn signal                     | <b>III CO type</b>     | 12 V-10 W × 2 |
|                                      | <b>SA, III AG type</b> | LED           |
| License plate light                  |                        | 12 V-5 W      |

## ■ Fuses

|            |                            |                   |
|------------|----------------------------|-------------------|
| Main fuse  |                            | 15 A              |
| Other fuse | <b>III CO, III AG type</b> | 15 A, 10 A, 7.5 A |
|            | <b>SA type</b>             | 10 A, 7.5 A       |

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