

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.

For any query or assistance, please call Customer care number:
1800 103 3434 (Toll free)

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 the destination.
- The illustrations here in are based on the MC300A II ID type

Destination Codes

Code	Destination
------	-------------

MC300A	
--------	--

ID, II ID	India
-----------	-------


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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Vehicle Safety

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

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Safety Guidelines

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. 8

Before Riding

Make sure that you are physically fit, mentally focused, and free of alcohol and drugs. Check

that you and your passenger are both wearing an approved helmet and protective apparel. Instruct your passenger on holding onto the grab rails or your waist, leaning with you in turns, and keeping their feet on the footpegs, even when the vehicle is stopped.

Take Time to Learn & Practice

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

Ride Defensively

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

Safety Guidelines

Make Yourself Easy to See

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

Ride within Your Limits

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

Don't Drink or Use Drugs and Ride

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

Keep Your Honda in Safe Condition

It's important to keep your vehicle properly maintained and in safe riding condition. Inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits (➤P. 14), and do not modify your vehicle or install accessories that would make your vehicle unsafe (➤P. 13).

If You are Involved in a Crash

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

If you decide to continue riding, first turn the ignition switch to the OFF position, and evaluate the condition of your vehicle. Inspect for fluid

leaks, check the tightness of critical nuts and bolts, and check the handlebar, control levers, brakes, and wheels. Ride slowly and cautiously. Your vehicle may have suffered damage that is not immediately apparent. Have your vehicle thoroughly checked at a qualified service facility as soon as possible.

Carbon Monoxide Hazard

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

If you run the engine in 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

Image Labels

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

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

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



Read instructions contained in Owner's Manual carefully.



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



DANGER (with RED background)

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

WARNING (with ORANGE background)

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

CAUTION (with YELLOW background)

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



BATTERY LABEL DANGER

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



FUEL LABEL

- Unleaded petrol only.
- This mark means that the vehicle parts are compliant up to 20% Ethanol blending with petrol.

Safety Precautions

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. Be sure to avoid loose clothes that could get caught on any part of your vehicle. Ride defensively in response to weather and road conditions.

■ Helmet

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

- Must fit comfortably but securely, with the chin strap fastened

- Face shield with unobstructed field of vision or other approved eye protection

WARNING

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

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

■ Gloves

Full-finger leather gloves with high abrasion resistance

■ Boots or Riding Shoes

Sturdy boots with non-slip soles and ankle protection

■ Jacket and Trousers

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

Riding Precautions

Running-in Period

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

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

Brakes

Observe the following guidelines:

- Avoid excessively hard braking and downshifting.
 - ▶ Sudden braking can reduce the vehicle's stability.
 - ▶ Where possible, reduce speed before turning; otherwise you risk sliding out.
- Exercise caution on low traction surfaces.
 - ▶ The tyres slip more easily on such surfaces and braking distances are longer.

- Avoid continuous braking.
 - ▶ Repeated braking, such as when descending long, steep slopes can seriously overheat the brakes, reducing their effectiveness. Use engine braking with intermittent use of the brakes to reduce speed.
- For full braking effectiveness, operate both the front and rear brakes together.

Anti-lock Brake System (ABS)

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

- ABS does not reduce braking distance. In certain circumstances, ABS may result in a longer stopping distance.
- ABS does not function at speeds below 5 km/h (3 mph).
- The brake lever and pedal may recoil slightly when applying the brakes. This is normal.

Riding Precautions

- Always use the recommended front/rear tyres and sprockets to ensure correct ABS operation.

Engine Braking

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

Wet or Rainy Conditions

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

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

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. 35

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. 115
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

Riding Precautions

Honda Selectable Torque Control (HSTC)

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

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

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

Torque Control may not compensate for rough road conditions or rapid throttle operation. Always consider road and weather conditions, as well as your skills and condition, when applying throttle.

If your vehicle gets stuck in mud, snow or sand, it may be easier to free it by turning off the Torque Control temporarily. Temporarily turning off Torque Control also may help you maintain control and balance when riding on off-road terrain.

Always use the recommended tyres and sprockets to ensure correct Torque Control operation.

Accessories & Modifications

We strongly advise that you do not add any accessories that were not specifically designed for your vehicle by Honda or make modifications to your vehicle from its original design. Doing so can make it unsafe.

Modifying your vehicle may also void your warranty and make your vehicle illegal to operate on public roads. Before deciding to install accessories on your vehicle, be certain the modification is safe and legal.

WARNING

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

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

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

Loading

Loading

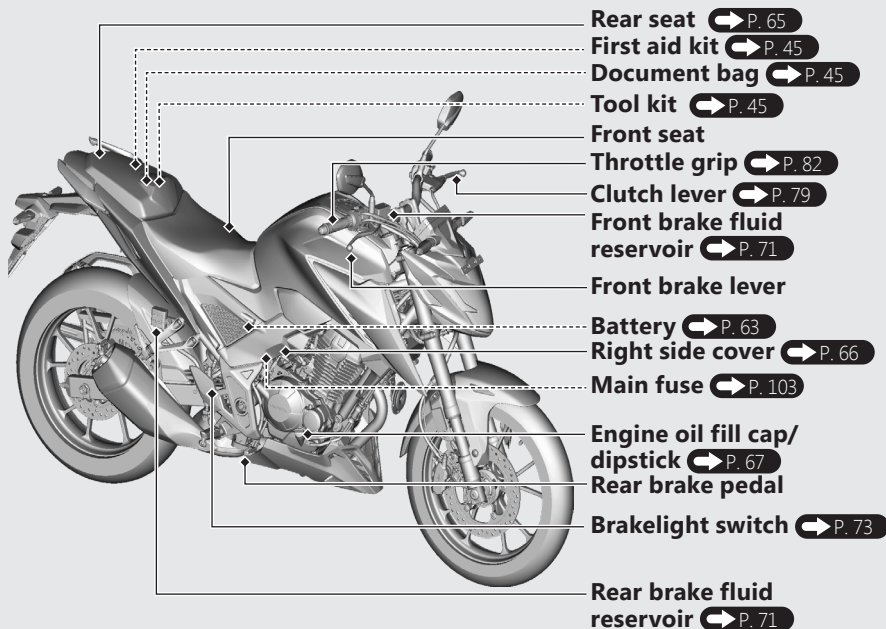
- Carrying extra weight affects your vehicle's handling, braking and stability.
Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
Maximum weight capacity ➤ P. 117
- Tie all luggage securely, evenly balanced, and close to the centre of the vehicle.
- Do not place objects near the lights or the muffler.

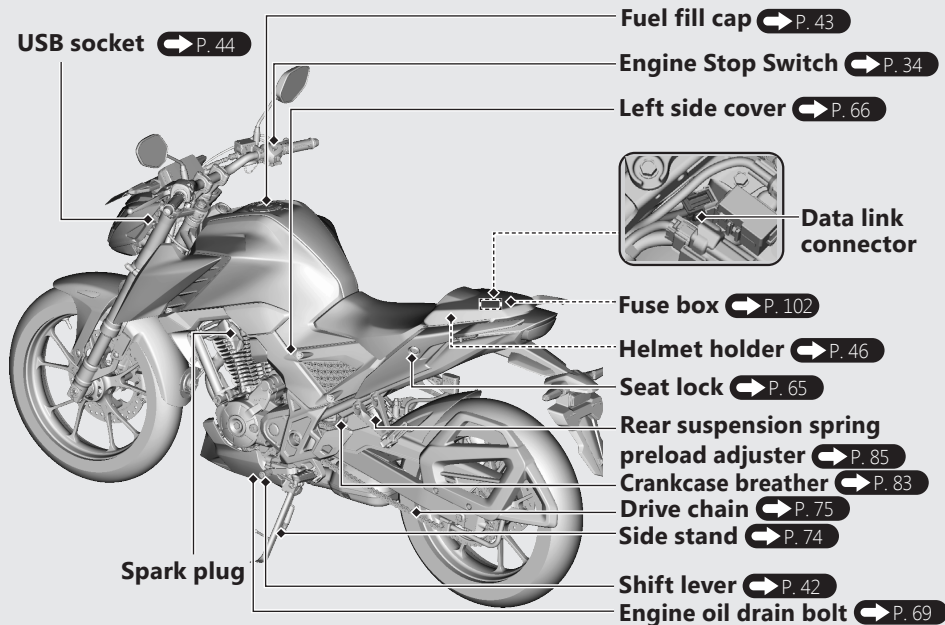
WARNING

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

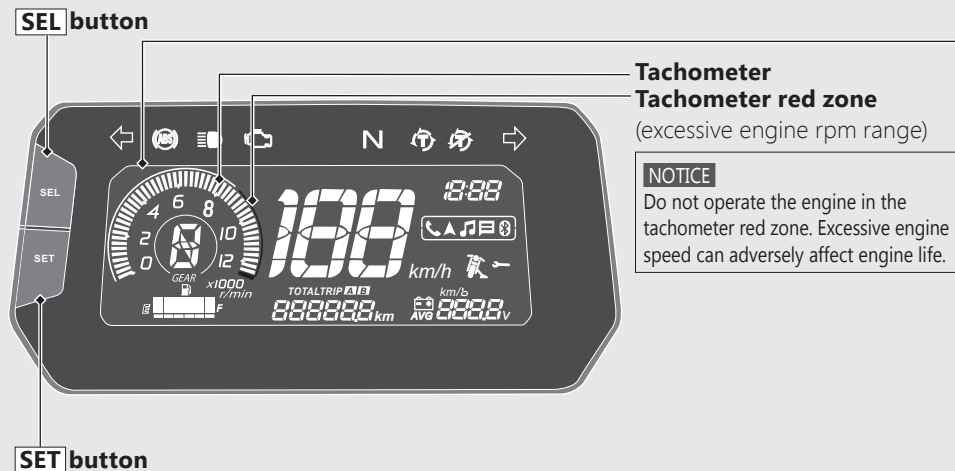
Follow all load limits and other loading guidelines in this manual.

Parts Location





Instruments



Display Check

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

Speedometer

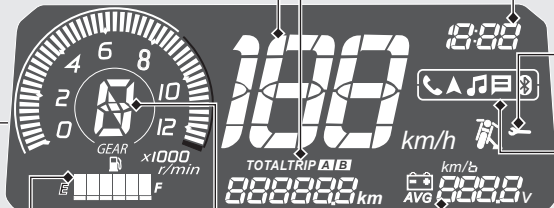
Odometer (TOTAL)/Tripmeter (TRIP A/B) ➡ P. 20

Clock (12-hour display)

To set the clock ➡ P. 23

SERVICE DUE

indicator ➡ P. 28



Gear position indicator

This shows 1st to 6th gear position. "-" appears when not shifted properly

Average fuel mileage (AVG), Fuel consumption, Average speed (AVG) and Battery voltage ➡ P. 29



Honda Smartphone Voice Control system (HSVCS) area ➡ P. 36

MC300A II ID

Display the status of Honda Smartphone Voice Control system (HSVCS)

Fuel gauge

Remaining fuel when only 1st (E) segment starts flashing: approximately 1.7 litres (0.45 US gal, 0.47 Imp gal)

If the fuel gauge indicator flashes in a repeat pattern or turns off: ➡ P. 91

**NOTICE**

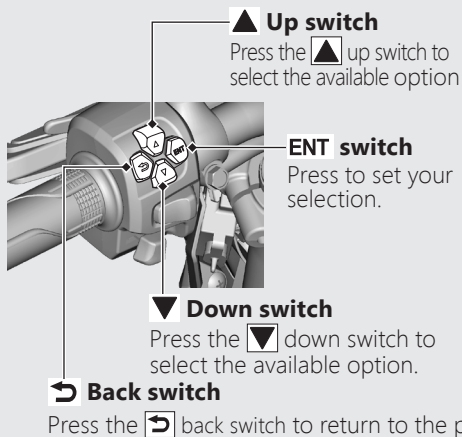
You should refuel when the reading approaches the E (1st) segment. Running out of fuel can cause the engine to misfire, damaging the catalytic converter.

Instruments *(Continued)*

Basic Operations

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

However, you cannot operate some functions while the vehicle is in motion.



To Select a Desired Setting Option

You can select your desired setting option to operate with the ▲ up switch or ▼ down switch on the left handlebar.

To Set Your Selection

Press the **ENT** switch on left handlebar to set your selection.

To Exit the Setting Option

To return the pervious option:

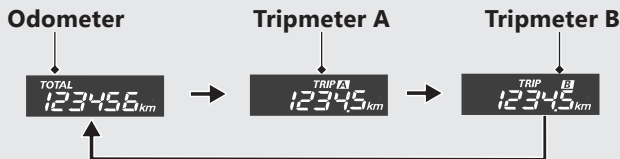
Press the **↶** back switch on the left handlebar.

Odometer [TOTAL]/Tripmeter [TRIP A/B]

The **[SEL]** button selects the odometer, tripmeter A and tripmeter B.

MC300A II ID

The **[▲]** [UP] switch also selects these.



| Odometer

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

| Tripmeter-[A/B]:


Distance ridden since tripmeter was reset.

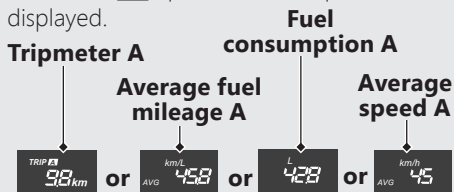
When "----.-" is displayed, go to your dealer for service.

To reset the tripmeter: **[↩]** P. 22

Instruments (Continued)


To reset the tripmeter (Trip A/B), average fuel mileage, fuel consumption, average speed

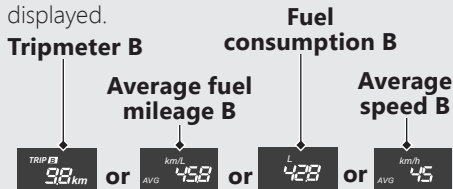
To reset the tripmeter A, average fuel mileage A, fuel consumption A and average speed A together, press and hold the **SEL** button or  up switch with tripmeter A displayed.



When they are reset, "0.0" is displayed at each indication. Then, the display returns to the last selected indication.



To reset the tripmeter B, average fuel mileage B, fuel consumption B and average speed B together, press and hold the **SEL** button or  up switch with tripmeter B displayed.



When they are reset, "0.0" is displayed at each indication. Then, the display returns to the last selected indication.



Display Setting

You can adjust the following settings.

- Clock setting
- Backlight brightness adjustment
- **MC300A II ID**

Bluetooth pairing reset

Adjustment will be canceled if the button is not pressed for about 30 seconds, unless each display setting was pre-set individually.

1. Clock Setting:

- 1 Turn the ignition switch to the ON position.
- 2 Press and hold the **SEL** and **SET** button until the hour digit start flashing

or

MC300A II ID

Press and hold the  up switch and  down switch until the hour digit start flashing.







Instruments (Continued)

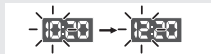
- 3 Press the **SEL** button until the desired hour is displayed
- ▶ Hour will advance by one hour, each time the **SEL** button is pressed. Press and hold to advance the hour fast.

or

MC300A II ID

Press the  up switch or  down switch until desired hour is displayed.

- ▶ Hour will change by one hour, each time the  up switch or  down switch is pressed.



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

or

MC300A II ID


Press the **ENT** switch. The minute digits start flashing.





- 5 Press the **SEL** button until the desired minute is displayed
- ▶ Minute will advance by one minute, each time the **SEL** button is pressed. Press and hold to advance the minute fast.

or

MC300A II ID

Press the  up switch or  down switch until desired minute is displayed.

- ▶ Minute will change by one minute, each time the  up switch or  down switch is pressed.



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

or

MC300A II ID

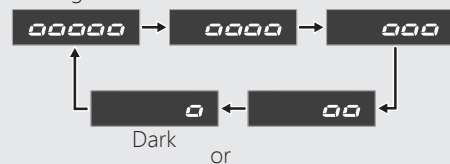
Press the **ENT** switch. The clock is set and then the display moves to the backlight brightness adjustment

- ▶ The time can also be set by turning the ignition switch off.
- ▶ The display will stop flashing automatically and the adjustment will be cancelled if the button is not pressed for about 30 seconds.

2. Backlight brightness adjustment:

You can adjust the brightness to one of five levels.

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



MC300A II ID

Press the **▲** up switch or **▼** down switch until desired brightness is displayed.

- 2 Press the **SET** button.

or

MC300A II ID

Press the **ENT** switch.

Instruments (Continued)

MC300A I ID

The brightness is set, and then the display will return to the ordinary display.

MC300A II ID

The brightness is set, and then the display moves to the bluetooth pairing setting display.

The established setting can also be set by turning the ignition switch to the OFF position.

The control is automatically switched from the setting mode to the ordinary display if the button is not pressed for about 30 seconds. Even in this case, established setting is maintained.

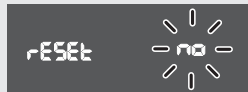
If it does not work, contact your dealer.

3. Bluetooth pairing reset:

MC300A II ID

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

- 1 The display will appear "NO" after setting backlight brightness adjustment.



- 2 Press the **SEL** button or up switch or down switch to change the setting to "YES".
- 3 Press the **SET** button or **ENT** switch.
 - ▶ The *Bluetooth*® icon in the display will start flashing.
 - ▶ The system waits for a response from a target device for 2 minutes.

- 4 When pairing is established the "SUCCE" message appear in the display and Bluetooth® icon comes on.
- If the "FAIL" message appear in the display perform the pairing connection from the beginning.



Instruments *(Continued)*

SERVICE DUE indicator

When odometer reading reaches specified distance then service due indicator light blinks upto service limit (kms) and then light glows continuously.

SERVICE DUE indicator lighting pattern understanding:

Blinking:

- ▶ Blinking of service due indicator indicates that your vehicle has reached the specified distance for service hence kindly visit your nearest dealer for vehicle service.

Continuous glow:

- ▶ Indicate that your vehicle has crossed the specified distance for Service.

Immediately visit your dealer for vehicle service.


First blinking of service due indicator will start 250 kms before first service (as per specified distance) of the vehicle.

Second blinking of service due indicator will start 500 kms before second service (as per specified distance) of the vehicle and later same pattern will continue for every next service.

Service due indicator will continuous glow if service of the vehicle is not done as per the specified distance mentioned in maintenance schedule.

NOTICE

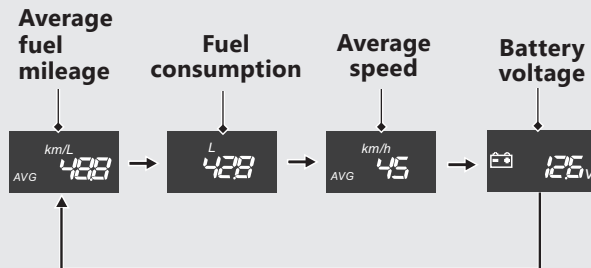
Service due indicator blinking / continuous glow is an indication for vehicle service due which is based on distance (Kms) covered by the vehicle however every service schedule is to be followed as per the maintenance schedule with respect to days or kms covered (whichever comes first)

If your vehicle is serviced before the specified distance as mentioned in maintenance schedule  P.50, in that case service due indicator will start blinking, whenever your vehicle reach specified kilometer.

Kindly visit your dealer for service due indicator resetting.

Average fuel mileage [AVG], Fuel consumption, Average speed [AVG] and Battery voltage

The **SET** or **▼** switch switches between the average fuel mileage, fuel consumption, average speed and battery voltage.



Instruments *(Continued)*

| Average fuel mileage

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 are selected.

Display range: 0.0 to 299.9 km/L

- More than 299.9 km/L: "299.9" is displayed.
- When the tripmeter A or B is reset: "---.-" is displayed.

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

To reset the average fuel mileage:

➡ P. 22

| Fuel consumption

Displays the fuel consumption since the selected tripmeter was reset.

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

Also, the fuel consumption for tripmeter A will be displayed when the odometer or tripmeter A are selected.

Display range: 0.0 to 299.9 L

- More than 299.9 L: "299.9" is displayed.
- When "---.-" is displayed, go to your dealer for service.

To reset the fuel consumption:

➡ P. 22

| Average speed

Displays the average speed since the selected tripmeter was reset.

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

Also, the average speed for tripmeter A will be displayed when the odometer or tripmeter A are selected.

Display range: 0 to 199 km/h

- Initial display: "---" is displayed.
- When your motorcycle has travelled less than 0.2 km since the engine was started: "---" is displayed.
- When your motorcycle operating time is less than 30 seconds since the engine was started: "---" is displayed.

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

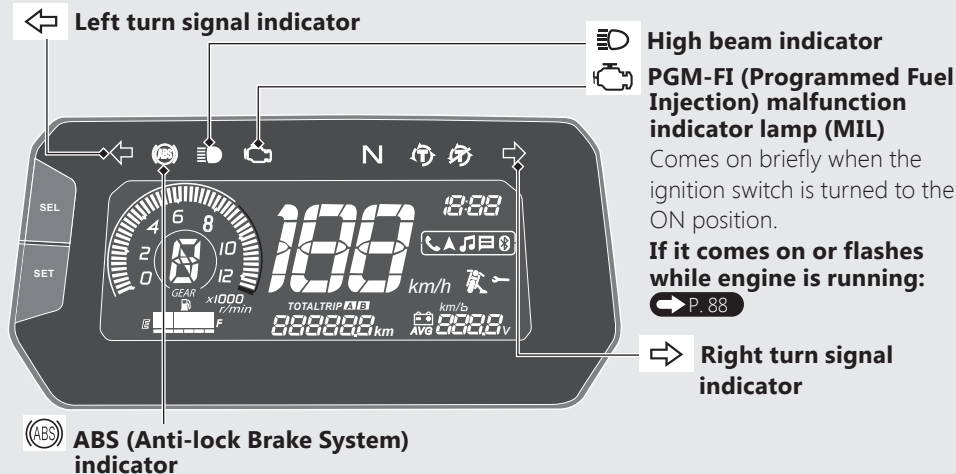
To reset the average speed:



| **Battery voltage [V]** : Current battery voltage.

Indicators

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



High beam indicator

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

Comes on briefly when the ignition switch is turned to the ON position.

If it comes on or flashes while engine is running:

➡ P. 88

Right turn signal indicator

ABS (Anti-lock Brake System) indicator

Comes on when the ignition switch is turned to the ON position.
Goes off when your speed reaches approximately 5 km/h (3 mph).

If it comes on while riding: ➡ P. 89

N Neutral indicator

Comes on when the transmission is in Neutral.



Torque Control indicator

- Comes ON when the ignition switch is turned to the ON position. Goes off when your speed reaches approximately 3 km/h to indicate Torque Control is ready to work.
- Blinks when Torque Control is operating.

If it comes on while riding: ➡ P. 90



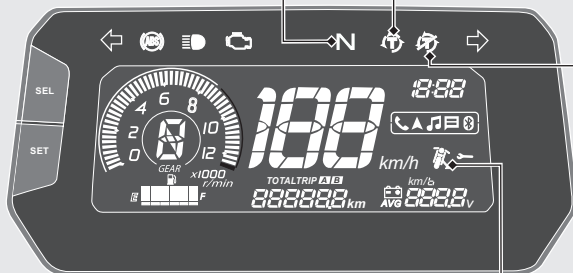
Torque Control OFF indicator

- Comes ON when the Torque Control is turned Off.
- To turn OFF the Torque Control, press and hold the **SET** button.

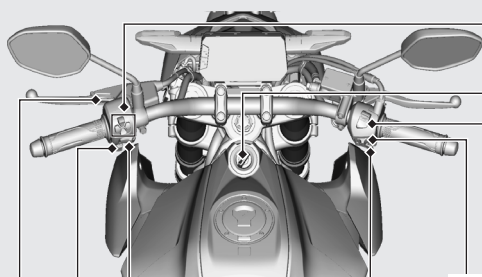


Side stand indicator ➡ P. 74

The side stand flashes when the side stand is put down. It goes off when the side stand is raised



Switches



▲ up/ ▼ down/ ENT / ↶ back switch

➡ P. 21

Ignition switch ➡ P. 35

Engine stop switch

Should normally remain in the ○ (Run) position.

► In an emergency, switch to the ☒ (OFF) position to stop the engine.

⚠ **Hazard switch**

Flashes all turn signals at the same time.

⚡ **Start button**

🔊 **Horn button**

↔ **Turn signal switch**

► Pressing the switch turns the turn signal off.

**Headlight dimmer/
Passing light control switch**

- ☰☐: High beam
- ☷☐: Low beam
- ☷☐ **PASS**: Flashes the high beam headlight

Ignition Switch

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

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

ON

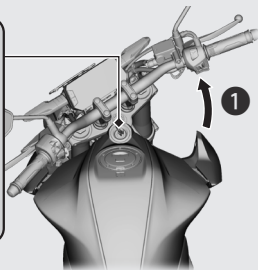
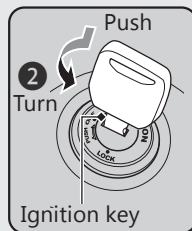
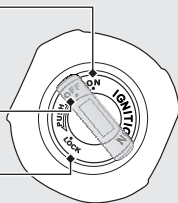
Turns electrical system on for starting/riding.

OFF

Turns engine off.

LOCK

Locks steering.



Locking

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

Unlocking

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

Steering Lock

Lock the steering when parking to help prevent theft.

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

Honda Smartphone Voice Control system

Connecting your smartphone with the vehicle and a *Bluetooth*® headset via *Bluetooth*® allows you to operate the smartphone by voice input from the headset. You can also use the system by operating switches on the handlebar.

- To use the system, you need to install the dedicated application on your smartphone beforehand and pair your smartphone with the vehicle and the headset.

For terms of service and information on how to install/operate the dedicated application, see the following URL:
<https://global.honda/voice-control-system/>



- The dedicated application is not available in some regions/countries.
 For available countries, see the above URL.

Communication range:

Within 1 meters radius from vehicle.

Supported *Bluetooth*® version/profiles

<i>Bluetooth</i> ® version	Bluetooth 4.2 or higher
<i>Bluetooth</i> ® profiles	GATT (Generic Attribute Profiles)
	HOGP (HID over GATT Profiles)

Bluetooth® Wireless Technology

The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Honda Motors Co., Ltd., is under license. Other trademarks and trade names are those of their respective owners.

- Costs of network communication and communication equipment necessary for the use of this feature shall be borne by the user.
- You cannot pair two or more smartphones at once.
- Some smartphones may not be compatible with the feature.
- We shall not be liable for any damages or trouble in the use of smartphone.
- When unable to connect your smartphone to the vehicle, change the storage location of the smartphone.

The system itself has certain limitations. Therefore, you must verify the voice guidance and information in the meter provided by the system by carefully observing the roadway, signs, and signals, etc. If you are unsure, proceed with caution. Always use your own good judgement, and obey traffic laws while riding.

WARNING

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

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

Honda Smartphone Voice Control system (Continued)

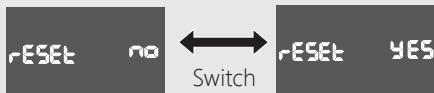
Honda Smartphone Voice Control system Limitations

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

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

Pairing your smartphone via Bluetooth®

- ① Select the BLUETOOTH PAIRING RESET menu. ➡ P. 26



- ② Reset the pairing information according to the switch operation guide. ➡ P. 26
- ③ After resetting, complete pairing while the Bluetooth® indicator flashing by operated the application on your smartphone.
 - ▶ For operation of the application, follow the instruction of the application.
 - ▶ The BT indicator flashes during pairing. Shows success/failure after completion.



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

Honda Selectable Torque Control

Torque control level (engine power control) can be selected or turned ON/OFF.

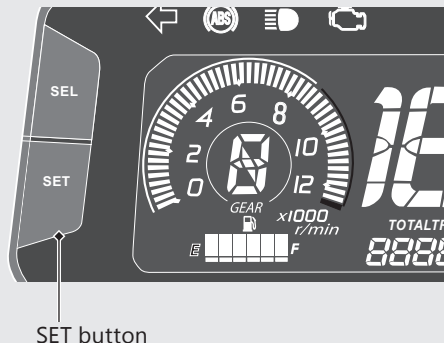
- ▶ Do not operate the Torque Control switch while riding.

Stop the vehicle first, turn the Torque Control off or on and select the desired level.

- ▶ The Torque Control cannot be turned off when the system is activated (Torque Control indicator flashing).
- ▶ Each time the ignition switch is turned to the (ON) position, the Torque Control will automatically be set to ON.

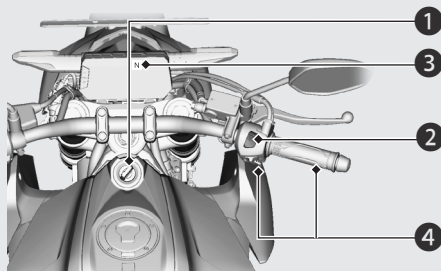
■ Torque Control on and off

Torque Control can be turned on and off by pressing and holding the **SET** button.




Starting the Engine

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

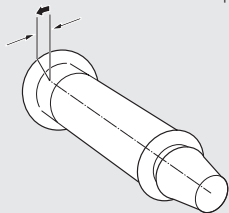


NOTICE

- 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.

- ❶ Make sure the engine stop switch is in the  (run) position.
- ❷ Turn the ignition switch to the ON position.
- ❸ Shift the transmission to Neutral (**N** indicator to come on). Alternatively, pull in the clutch lever to start your vehicle with the transmission in gear so long as the side stand is raised.
- ❹ With the throttle completely closed, press the start button.
 - If you cannot start the engine, open the throttle slightly (about 3mm, without freeplay) and press the start button.

About 3 mm without freeplay



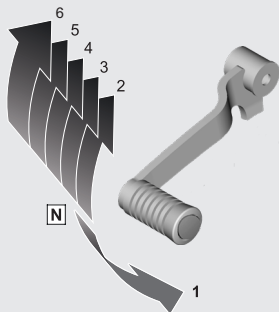
If the engine does not start:

- ❶ Open the throttle fully and press the start button for 5 seconds.
- ❷ Repeat the normal starting procedure.
- ❸ If the engine starts, open the throttle slightly if idling is unstable.
- ❹ If the engine does not start, wait for 10 seconds, before trying steps ❶ & ❷ again.

If Engine Will Not Start ➡ P. 87

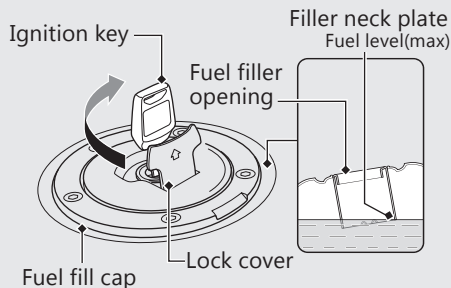
Shifting Gears

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



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

Refuelling



Do not fill with fuel above the plate.

Fuel type: Unleaded petrol only

Fuel octane number: Your vehicle is designed to use Research Octane Number (RON) 91 or higher.

Tank capacity: 14.1 litres (3.73 US gal, 3.10 Imp gal)

Refuelling and Fuel Guidelines ➔ P. 11

Opening the Fuel Fill Cap

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

Closing the Fuel Fill Cap

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

Your vehicle is equipped with the USB socket (for USB Type-C only).

The USB socket is located at left side of speedometer panel.

This socket is for battery charge only.

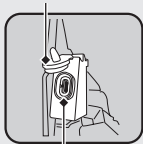
Use USB devices at your own risk. In no event shall Honda be liable for any damage to your USB device when in use.

Only USB devices within the following specifications can be connected.

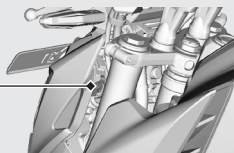
Open the cover to access the socket.

Rated capacity is **15W (5V, 3A)**

USB SOCKET COVER



USB SOCKET



- ▶ To prevent the battery from becoming weak (or dead), keep the engine running while drawing current from the socket.
- ▶ To prevent entry of foreign matter into the socket, be sure to close the cover.
- ▶ Carefully secure all connected devices, as vibration may cause damage to them or they could shift unexpectedly.

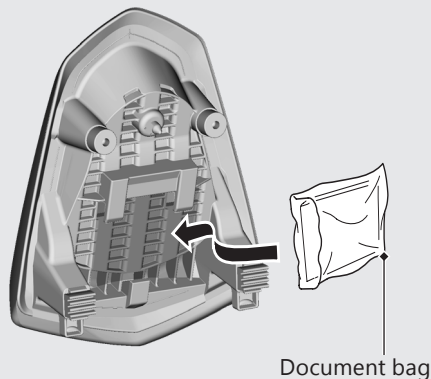
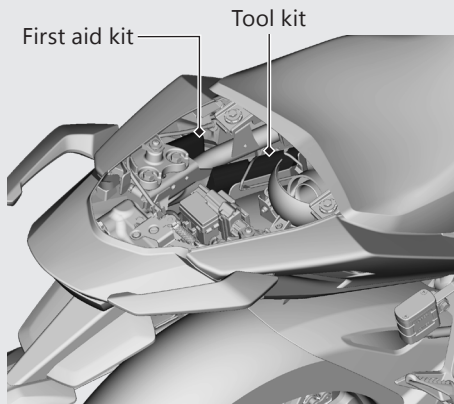
NOTICE

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

Storage Equipment

Tool Kit/ Document Bag/ First Aid Kit

Tool kit and first aid kit are located under the rear seat. Document bag is located under side of the rear seat. Do not keep any belongings other than tool kit, first aid and owner's manual under the rear seat. This will block air intake.



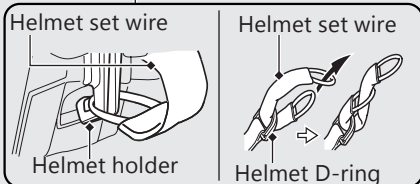
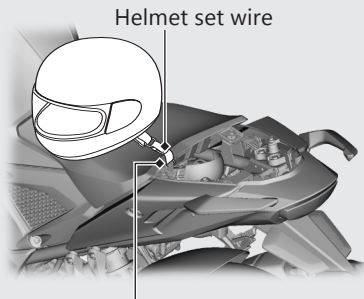
Removing the rear seat ➞ P. 65

continued 45

Storage Equipment *(Continued)*

Helmet holder

The helmet holder is located underside of the rear seat. The helmet set wire (in the tool kit) is stored under the rear seat.



- Use the helmet holder only when parked.

Removing the rear seat ➡ P. 65

⚠ WARNING

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

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

Maintenance

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

Importance of Maintenance	P.48
Maintenance Schedule	P.49
Maintenance Fundamentals	P.52
Tools	P.62
Removing & Installing Body Components	P.63
Battery.....	P.63
Clip.....	P.64
Rear Seat.....	P.65
Side Cover.....	P.66
Engine Oil	P.67
Brakes	P.71
Side Stand	P.74

Drive Chain	P.75
Clutch	P.79
Throttle	P.82
Crankcase Breather	P.83
Other Adjustments	P.84
Adjusting the Headlight Aim	P.84
Adjusting the Rear Suspension	P.85

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. 50

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 Check P.52	Frequency *1								Annual Check	Regular Replace	Refer to page
		× 1,000 km	1	6	12	18	24	30	36			
		× 1,000 mi	0.6	4	8	12	16	20	24			
		Months	1	6	12	18	24	30	36			
Honda Diagnostic System				I		I		I				-
Fuel Line					I		I		I	I		-
Fuel Level		I										-
Throttle Operation		I			I		I		I	I		82
Air Cleaner *2						R			R			61
Crankcase Breather*3				C	C	C	C	C	C			83
Spark Plug			Every 24000 km(16000 miles): I Every 48000 km(32000 miles): R									-
Valve Clearance					I		I		I			-
Engine Oil		I		R	R	R	R	R	R	R		67
Engine Oil filter				R			R					-
Engine Idle Speed					I		I		I	I		-
Evaporative Emission Control System							I					-
Drive Chain		I	Every 1000 km(600 miles): I L									75

Maintenance Level

-  : Intermediate. We recommend service by your dealer, unless you have the necessary tools and are mechanically skilled. Procedures are provided in an official Honda Shop Manual.
-  : Technical. In the interest of safety, have your vehicle serviced by your dealer.

Maintenance Legend

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

Maintenance Schedule

Items		Pre-ride Check P.52	Frequency *1								Annual Check	Regular Replace	Refer to page
			× 1,000 km	1	6	12	18	24	30	36			
			× 1,000 mi	0.6	4	8	12	16	20	24			
			Months	1	6	12	18	24	30	36			
Drive Chain Slider					I		I		I			78	
Brake Fluid*4		I			I	I	I	I	I	I	2 Years	71	
Brake Pads Wear		I			I	I	I	I	I	I		72	
Brake System					I		I		I	I		71	
Brakelight Switch					I		I		I	I		–	
Headlight Aim					I		I		I	I		84	
Lights/Horn		I										–	
Engine Stop Switch		I										–	
Clutch System		I			I	I	I	I	I	I		79	
Side Stand		I			I		I		I	I		74	
Suspension	🔧				I		I		I	I		85	
Nuts, Bolts, Fasteners	🔧				I		I		I	I		–	
Wheels/Tires	🔧	I			I		I		I	I		59	
Steering Head Bearings	🔧				I		I		I	I		–	

Service according to odometer reading or months, whichever is earlier.

Notes:

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

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

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

*4 : Replacement requires mechanical skill.

Pre-ride Inspection

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

Check the following items before you get on your vehicle:

- Fuel level - Fill fuel tank when necessary ➡ P. 43
- Throttle - Check for smooth opening and full closing in all steering positions ➡ P. 82
- Engine oil level - Add engine oil if necessary. Check for leaks ➡ P. 67
- Drive chain - Check condition and slack, adjust and lubricate if necessary ➡ P. 75

- Brakes - Check operation;
Front and Rear: check brake fluid level and pads wear ➡ P. 71, 72
- Lights and horn - Check that lights, indicators and horn function properly
- Engine stop switch: Check for proper function ➡ P. 34
- Clutch - Check operation;
Adjust freeplay if necessary ➡ P. 79
- Side stand ignition cut-off system - Check for proper function ➡ P. 74
- Wheels and tyres - Check condition, air pressure and adjust if necessary ➡ P. 59, 118

Replacing Parts

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

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.

Maintenance Fundamentals

What to do in an emergency

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

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

WARNING

The battery gives off explosive hydrogen gas during normal operation.

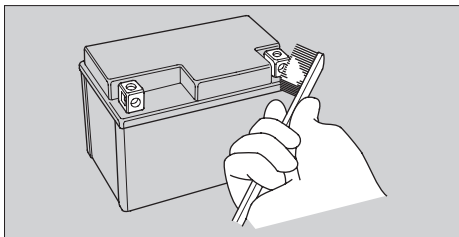
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

Cleaning the Battery Terminals

1. Remove the battery. ➤ P. 63
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

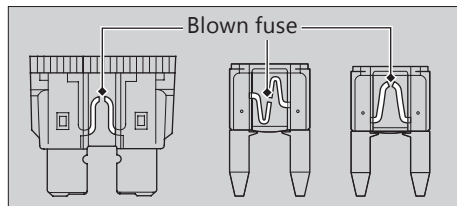
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

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. 102

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. 119



NOTICE

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

Maintenance Fundamentals

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.

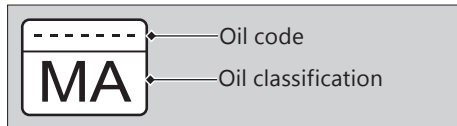
Selecting the Engine Oil

For recommended engine oil, see "Specifications." ➡ P. 118

If you wish to use other than recommended engine oil, check the label to make sure that the oil satisfies all of the following standards:

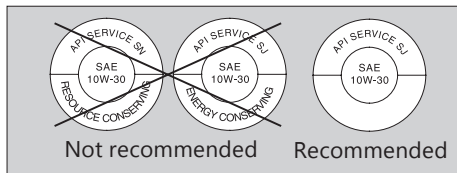
- JASO T 903 standard*¹: MA
- SAE standard*²: 10W-30
- API classification*³: SJ or higher

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



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

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



Brake Fluid

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

NOTICE

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

Recommended brake fluid:

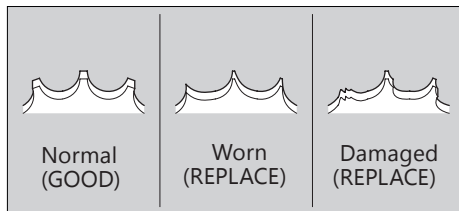
Honda DOT 3 or DOT 4 Brake Fluid or equivalent

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. 75

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

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



NOTICE

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

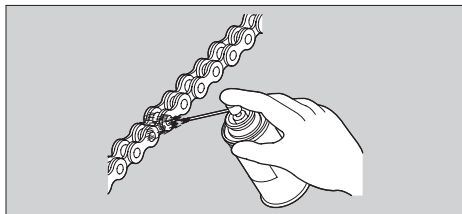
Maintenance Fundamentals

I Cleaning and Lubricating

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

Recommended lubricant:

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



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

Avoid getting lubricant on the brakes or tyres.

Avoid applying excess chain lubricant to prevent spray onto your clothes and the vehicle.

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. ➡ P. 83

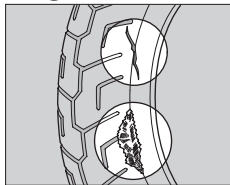
Tyres (Inspecting/Replacing)

Inspecting the Air Pressure

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

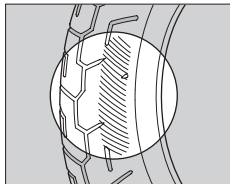
Inspecting for Damage

Inspect the tyres for cuts, slits, or cracks that 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.

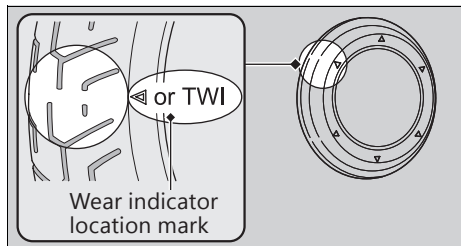


Maintenance Fundamentals

Inspecting Tread Depth

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

For safe riding, you should replace the tyres when the minimum tread depth is reached.



WARNING

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

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

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

➡ P. 118

Follow these guidelines whenever you replace tyres:

- Use the recommended tyres or their equivalents of the same size, construction, speed rating, and load range.

- Have the wheel balanced with Honda Genuine balance weights or equivalent after the tyre is installed.
- Do not install a tube inside a tubeless tyre on this vehicle. Excessive heat build-up can cause the tube to burst.
- Use only tubeless tyres on this vehicle. The rims are designed for tubeless tyres, and during hard acceleration or braking, a tube-type tyre could slip on the rim and cause the tyre to rapidly deflate.

⚠ WARNING

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

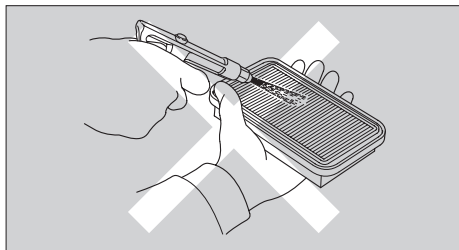
Always use the size and type of tyres recommended in this owner's manual.

Air Cleaner

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

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

Do not perform the maintenance. Should be serviced by your dealer.



Tools

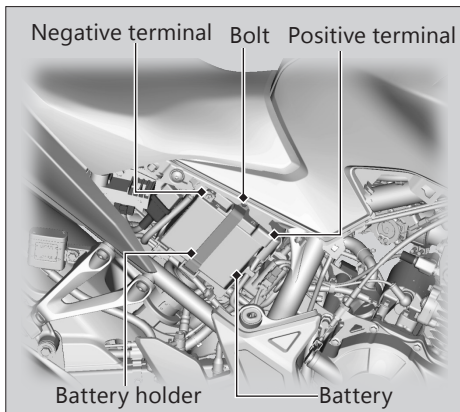
The tool kit is stored under the seat. ➡ P. 45

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

- 14 x 17 mm Open end wrench
- Spark plug wrench
- Standard/Phillips screwdriver
- Fuse puller
- Helmet set wire

Removing & Installing Body Components

Battery



Removal

Make sure the ignition switch is in the OFF position.

1. Remove the right side cover. ➡ P. 66
2. Remove the battery holder by removing the bolt.
3. Disconnect the negative \ominus terminal from the battery.
4. Disconnect the positive \oplus terminal from the battery.
5. Remove the battery, taking care not to drop the terminal nuts.

Installation

Install the parts in the reverse order of removal.

Always connect the positive \oplus terminal first.

Make sure bolts and nuts are tight.

Make sure the clock information is correct

after the battery is reconnected. ➡ P. 23

For proper handling of the battery, see

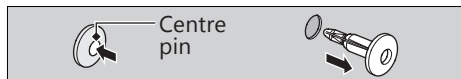
"Maintenance Fundamentals." ➡ P. 52

"Battery Goes Dead." ➡ P. 100

Clip

Removal

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



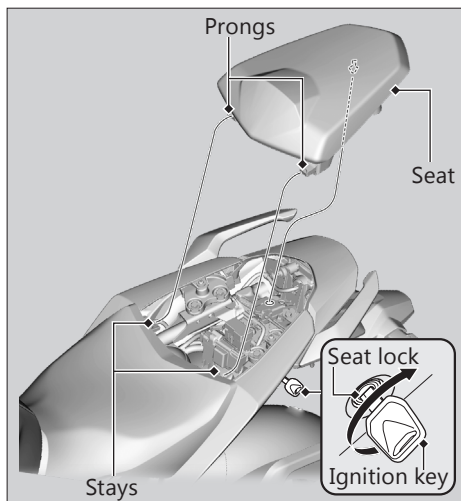
Installation

1. Push the bottom of the centre pin.



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

Rear Seat



Removal

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

Installation

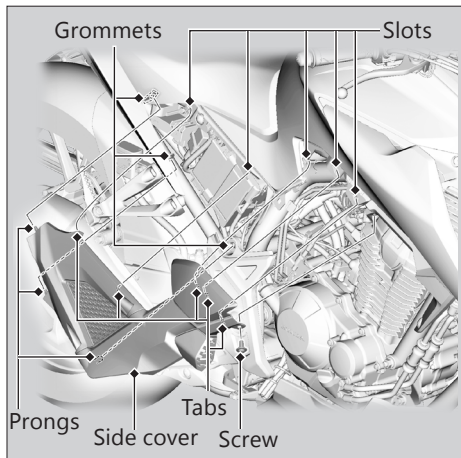
1. Insert the prongs into the stays on the frame.
2. Push forward and down on the rear of the seat until it locks in place.

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

The seat locks automatically when closed.

Take care not to lock your key under the seat.

Side Cover



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

Removal

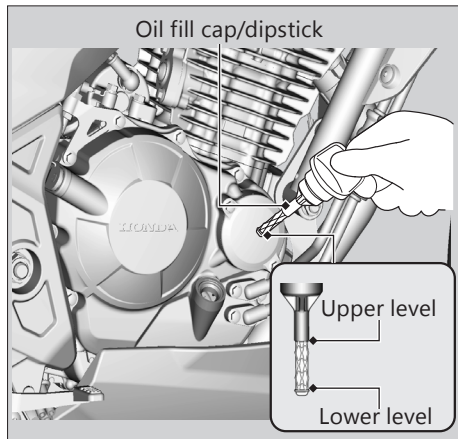
1. Remove the screw.
2. Remove the prongs from the grommets.
3. Remove the side cover by sliding forward while releasing the stay from the grommet and tabs from slots.

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 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.



Engine Oil ► Adding Engine Oil

Adding Engine Oil

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

➡ P. 56, 118

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. This may affect lubrication and clutch operation.

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

➡ P. 56

Changing Engine Oil & Filter

Changing the oil and filter requires special tools. We recommend that you have your vehicle serviced by your dealer. Use a new Honda Genuine oil filter or equivalent specified for your model.

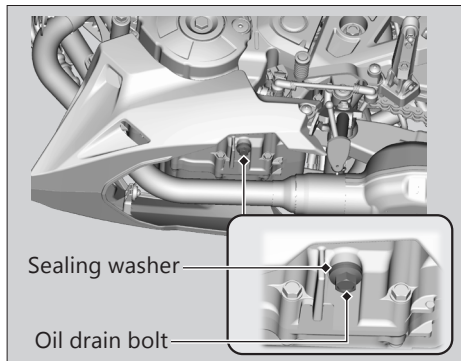
NOTICE

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

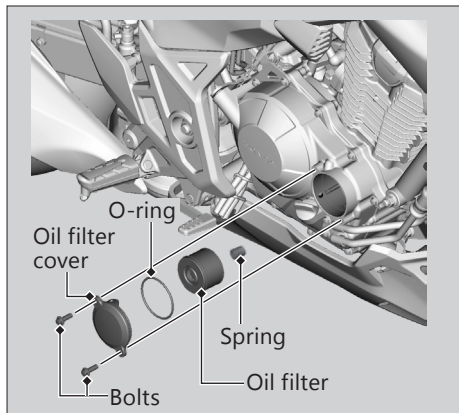
1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch to the OFF position and wait for 2 to 3 minutes.
3. Place your vehicle on a firm, level surface.
4. Place a drain pan under the drain bolt.

Engine Oil ► Changing Engine Oil & Filter

5. Remove the oil fill cap/dipstick, drain bolt and sealing washer to drain the oil.



6. Remove the oil filter cover, oil filter, spring and O-ring by removing the oil filter cover bolts and let the remaining oil drain out.
► Discard the oil and oil filter at an approved recycling centre.



7. Install a new oil filter spring into the oil filter, and then install the oil filter with the rubber side facing out and oil filter cover with a new O-ring.
8. Install and tighten the oil filter cover bolts.

Torque: 12 N·m (1.2 kgf·m, 9.0 lbf·ft)

Engine Oil ► Changing Engine Oil & Filter

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

Torque: 24 N·m (2.4 kgf·m, 18 lbf·ft)

10. Fill the crankcase with the recommended oil (📄 P. 56, 118) and install the oil fill cap/dipstick.

Required oil**When changing oil & engine oil filter:**

1.6 litres (1.7 US qt, 1.4 Imp qt)

When changing oil only:

1.5 litres (1.6 US qt, 1.3 Imp qt)

11. Check the oil level. 📄 P. 67
12. Check that there are no oil leaks.

NOTICE

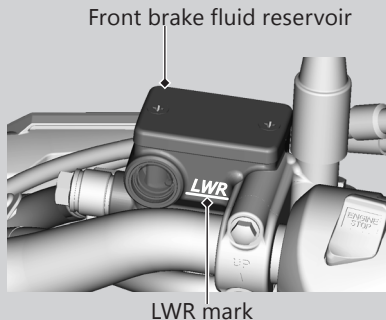
Improper installation of the oil filter can result in serious damage to the engine.

Checking Brake Fluid

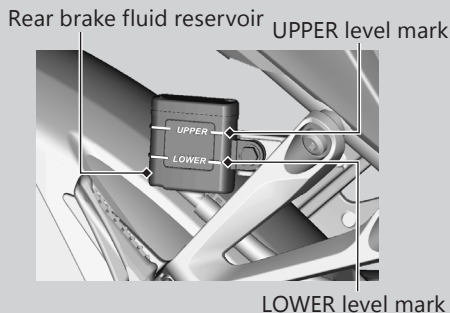
1. Place your vehicle in an upright position on a firm, level surface.
2. Check that the brake fluid reservoir is horizontal and that the fluid level is:
Front above the LWR mark.
Rear between the LOWER level and UPPER level marks.

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

Front



Rear



Brakes ► Inspecting the Brake Pads

Inspecting the Brake Pads

Check the condition of the brake pad wear indicators.

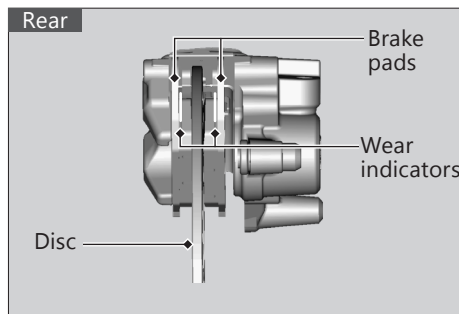
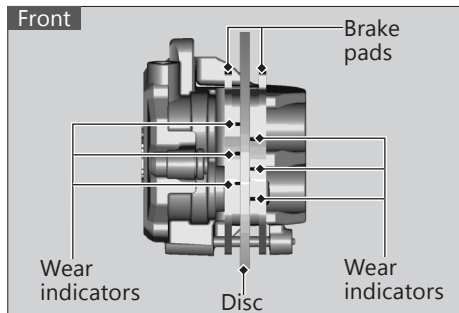
Front The pads need to be replaced if a brake pad is worn to the bottom of the indicator.

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

1. **Front** Inspect the brake pads from in front of the brake caliper.
2. **Rear** Inspect the brake pads from the rear right of the vehicle.

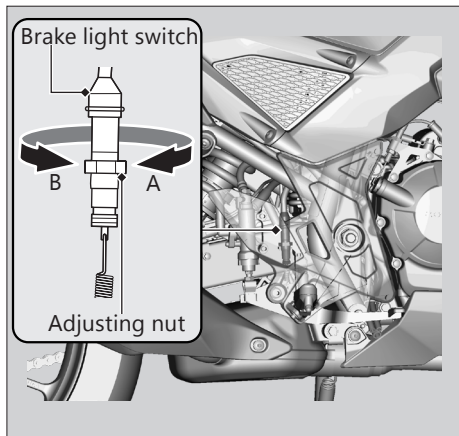
If necessary, have the pads replaced by your dealer.

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

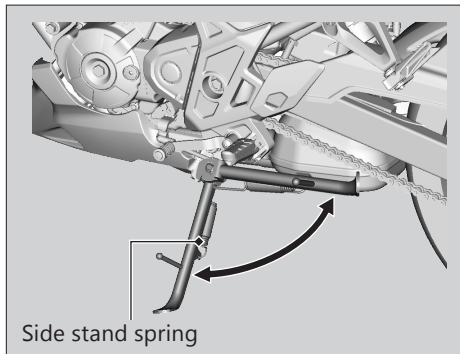


Adjusting the Brakelight Switch

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



Checking the Side Stand



1. Check that the side stand operates smoothly. If the side stand is stiff or squeaky, clean the pivot area and lubricate the pivot bolt with clean grease.
2. Check the spring for damage or loss of tension.
3. Sit on the vehicle, shift the transmission to Neutral, and raise the side stand.

4. Start the engine, pull the clutch lever in, and shift the transmission into gear.
5. Lower the side stand all the way. The engine should stop as you lower the side stand. If the engine doesn't stop, have your vehicle inspected by your dealer.

Inspecting the Drive Chain Slack

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

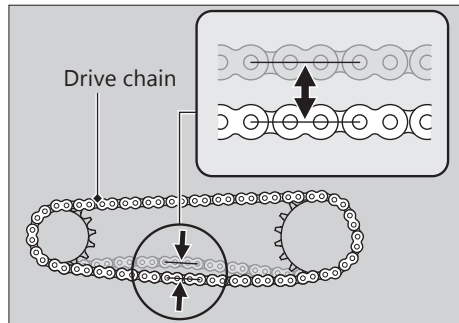
Have the chain inspected by your dealer.

1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle in an upright position on a firm, level surface.
3. Check the slack in the lower half of the drive chain midway between the sprockets.

Drive chain slack:

30 to 40 mm (1.2 to 1.6 in)

- Do not ride your vehicle if the slack exceeds 50 mm (2.0 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. 58

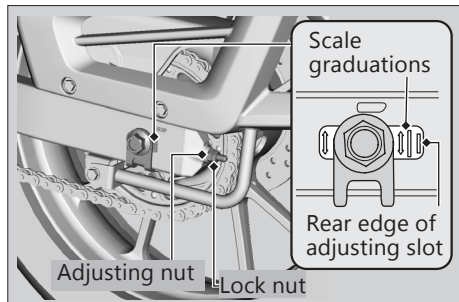
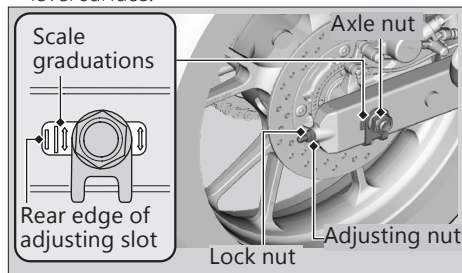
Side Stand ► Adjusting the Drive Chain Slack

Adjusting the Drive Chain Slack

Adjusting the chain requires special tools. Have the drive chain slack adjusted by your dealer.


When adjusting the drive chain slack, be careful not to damage the wheel speed sensor and pulser ring.

1. Shift the transmission to Neutral. Stop the engine.
2. Place your vehicle on its side stand on a firm, level surface.



3. Support your vehicle securely and raise the rear wheel off the ground using a maintenance stand or a hoist.
4. Loosen the rear axle nut.
5. Loosen the lock nuts on both sides of the swingarm.
6. Turn both adjusting nuts an equal number of turns until the correct drive chain slack is obtained. Turn the adjusting nuts clockwise to tighten the chain. Turn the adjusting nuts counterclockwise and push the rear wheel toward the front to provide more slack.

Side Stand ► Adjusting the Drive Chain Slack

Adjust the slack at a point midway between the front sprocket and the rear sprocket.
Check the drive chain slack.  P. 75

7. Check rear axle alignment by making sure the end of the chain adjuster plate aligns with the scale graduations on both sides of the swingarm. Both marks should correspond. If the axle is misaligned, turn the right or left adjusting nut until the marks are aligned and recheck chain slack.
8. Tighten the rear axle nut.

Torque: 88 N·m (9.0 kgf·m, 65 lbf·ft)

9. Hold the adjusting nuts and tighten the lock nuts.
10. Recheck drive chain slack.

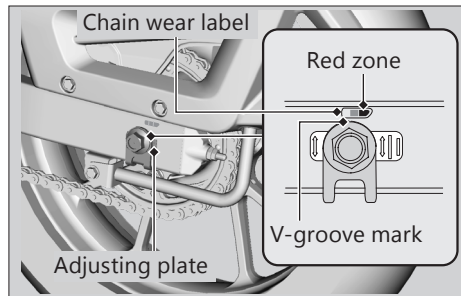
If a torque wrench was not used for installation, see your dealer as soon as possible to verify proper assembly.
Improper assembly may lead to loss of braking capacity.

I Checking the Drive Chain Wear

Check the chain wear label when adjusting the drive chain. If the V-groove mark of the rear axle shaft enters the red zone on the label after the chain has been adjusted to the proper slack, the chain is excessively worn and must be replaced.

Chain: DID520VF4-110LE

If necessary have the drive chain replaced by your dealer.



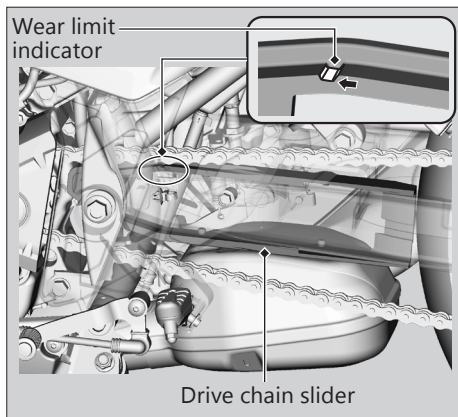
Side Stand ► Checking the Drive Chain Slider

Checking the Drive Chain Slider

Check the condition of the drive chain slider from the left side of the vehicle.

The drive chain slider will need to be replaced if the chain slider is worn to the bottom of wear limit indicator.

If necessary have the drive chain slider replaced by your dealer.



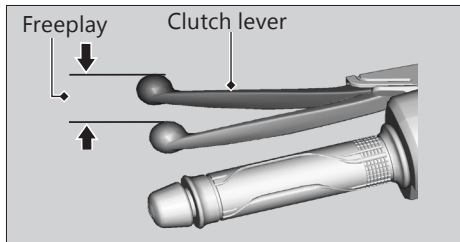
Checking the Clutch

I Checking the Clutch Lever Freeplay

Check the clutch lever freeplay.

Freeplay at the clutch lever:

10 to 20 mm (0.4 to 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.

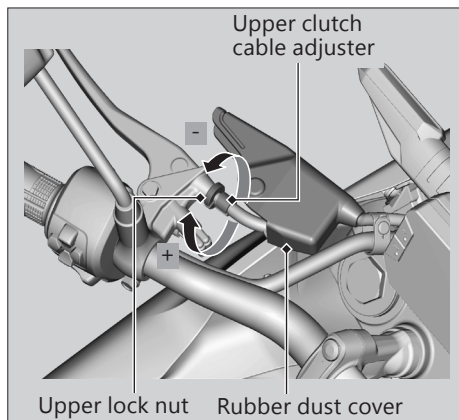
Clutch ► Adjusting the Clutch Lever Freeplay

Adjusting the Clutch Lever Freeplay

I Upper Adjustment

Attempt adjustment with the upper clutch cable adjuster first.

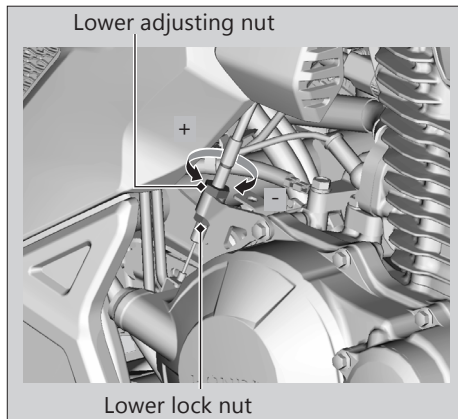
1. Pull back the rubber dust cover.
2. Loosen the upper lock nut.
3. Turn the upper clutch cable adjuster until the freeplay is 10 - 20 mm (0.4 - 0.8 in).
4. Tighten the upper lock nut and check the freeplay again.
5. Install the rubber dust cover.



Clutch ► Adjusting the Clutch Lever Freeplay**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 motorcycle does not creep. Gradually release the clutch lever and open the throttle. Your motorcycle should move smoothly and accelerate gradually.



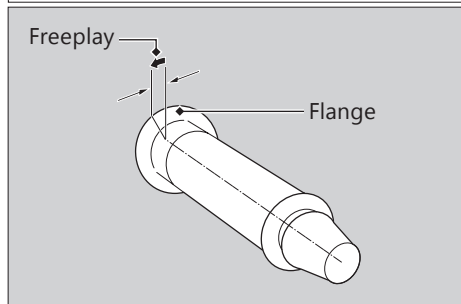
If proper adjustment cannot be obtained or the clutch does not work correctly, see your dealer.

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.

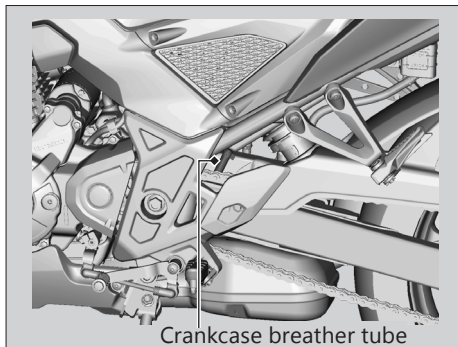
Freeplay at the throttle grip flange:

2 to 6 mm (0.1 to 0.2 in).



Cleaning the Crankcase Breather

1. Place a suitable container to receive deposits.
2. Remove the crankcase breather tube and drain deposits into the container.
3. Reinstall the crankcase breather tube.

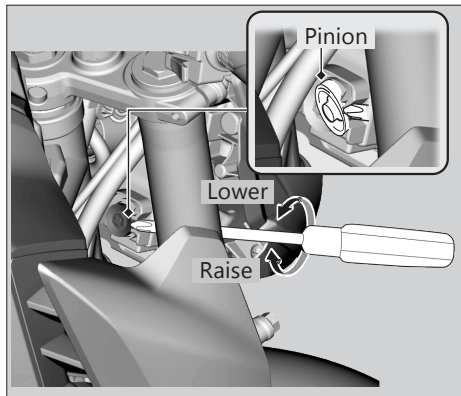


Adjusting the Headlight Aim

You can adjust vertical aim of the headlight for proper alignment. Turn the pinion in or out as necessary using a Phillips screwdriver.

Tighten the bolt after adjustment.

Obey local laws and regulations.

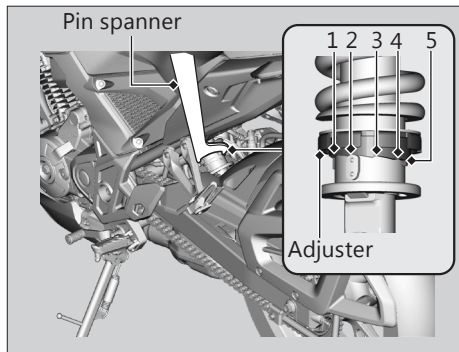


Adjusting the Rear Suspension

Adjusting the suspension requires a pin spanner. We recommend that you have your vehicle serviced by your dealer.

Spring Preload

You can adjust the spring preload by the adjuster to suit the load or the road surface. Use the pin spanner to turn the adjuster. Position 1 is for a decrease spring preload (soft), or turn the position 3 to 5 to increase spring preload (hard). The standard position is 2.

**NOTICE**

Attempting to adjust directly from 1 to 5 or 5 to 1 may damage the shock absorber.

NOTICE

Do not turn the adjuster beyond its limits.

Troubleshooting

Engine Will Not Start P. 87

Warning Indicators On or Flashing P. 88

PGM-FI (Programmed Fuel Injection)

Malfunction Indicator Lamp (MIL)..... P. 88

ABS (Anti-lock Brake System) Indicator P. 89

Torque Control Indicator P. 90

Other Warning Indications P. 91

Fuel Gauge Failure Indication..... P. 91

Tyre Puncture P. 92

Smartphone Pairing Trouble..... P. 98

Electrical Trouble..... P. 100

Battery Goes Dead..... P. 100

Burned-out Light Bulb..... P. 100

Blown Fuse..... P. 102

Unstable Engine Operation Occur

Intermittently..... P. 104

Engine Will Not Start


Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. ➡P. 40
- 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:

- Make sure engine stop switch is in the  (Run) position. ➡P. 34
 - Check the correct engine starting sequence. ➡P. 40
 - Check for a blown fuse. ➡P. 102
 - Check for a loose battery connection (➡P. 63) or battery terminal corrosion (➡P. 53).
 - Check the condition of the battery. ➡P. 53
- If the problem continues, have your vehicle inspected by your dealer.

Warning Indicators On or Flashing

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

Reasons for the indicator lamp to come on or blink

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

What to do when the indicator lamp comes on

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

NOTICE

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

What to do when the indicator lamp blinks

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

NOTICE

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

ABS (Anti-lock Brake System) Indicator

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

- Indicator comes on or starts flashing while riding.
- Indicator does not come on when the ignition switch is in the ON position.
- Indicator does not go off at speeds above 5 km/h (3 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 5 km/h (3 mph).

Torque Control Indicator

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

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

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

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

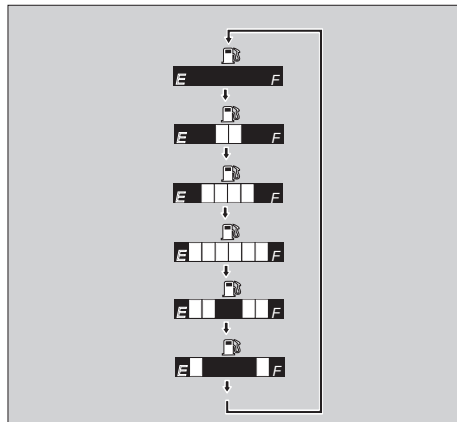
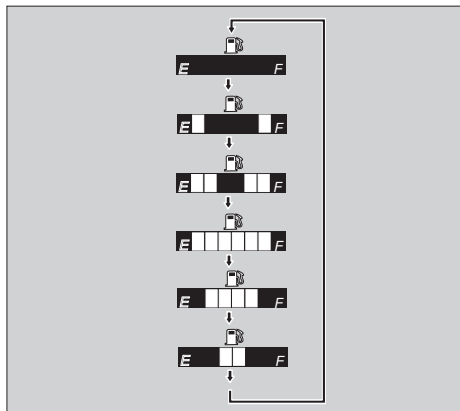
The Torque Control indicator may come on if you rotate the rear wheel while your vehicle is lifted off the ground. In this case, turn the ignition switch to the (OFF) position, and then to the (ON) position again. The Torque Control indicator will go off after your speed reaches 3 km/h.

Other Warning Indications

Fuel Gauge Failure Indication

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

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



Tyre Puncture

Repairing a puncture or removing a wheel requires special tools and technical expertise. We recommend you have this type of service performed by your dealer.

After an emergency repair, always have the tyre inspected/replaced by your dealer.

Emergency Repair Using a Tyre Repair Kit

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

Follow the instructions provided with the emergency tyre repair kit.

Riding your vehicle with a temporary tyre repair is very risky. Do not exceed 50 km/h (30 mph). Have the tyre replaced by your dealer as soon as possible.

WARNING

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

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

Removing Wheels

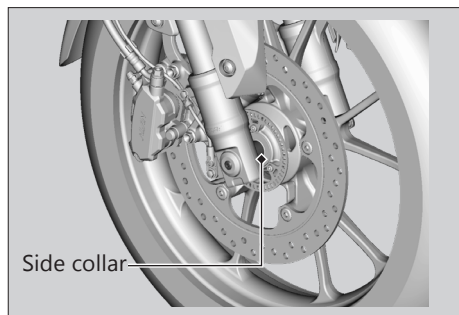
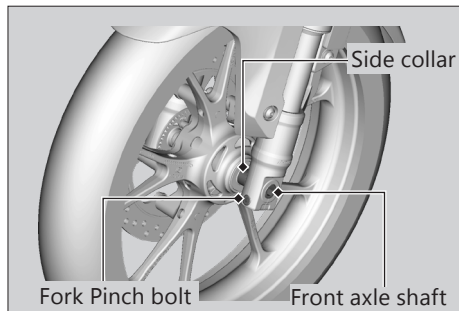
Follow these procedures if you need to remove a wheel in order to repair a puncture.

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

Front Wheel

Removal

1. Place your vehicle on a firm, level surface.
2. Support your vehicle securely and raise the front wheel off the ground using a maintenance stand or a hoist.
3. Loosen the fork pinch bolt.
4. Loosen the axle shaft.
5. Remove the front axle shaft, front wheel and side collars.
 - Avoid getting grease, oil, or dirt on the disc or pad surfaces.
 - Do not pull the brake lever while the front wheel is removed.



Installation

1. Attach the side collars to the front wheel.
2. Position the wheel between the fork legs and insert the front axle shaft from the left side, through the left fork leg and wheel hub.

NOTICE

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

3. Tighten the front axle shaft.

Torque: 64 N·m (6.5 kgf·m, 47 lbf·ft)

4. Tighten the axle pinch bolt.

Torque: 22 N·m (2.2 kgf·m, 16 lbf·ft)

5. After installing the wheel, apply the brake lever several times and then check if the wheel rotates freely. Recheck the wheel if

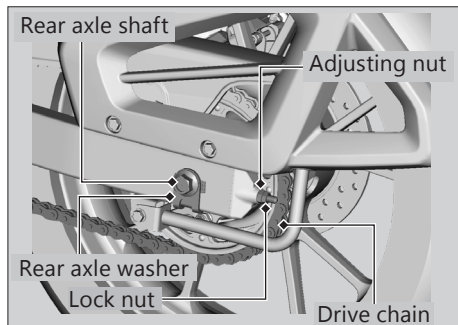
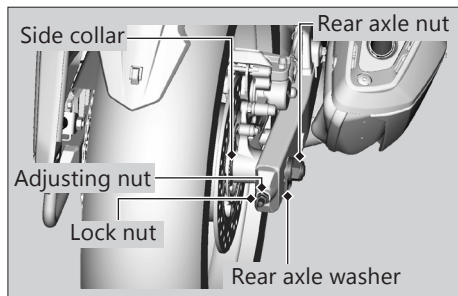
the brake drags or if the wheel does not rotate freely.

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

Rear Wheel

Removal

1. Support your vehicle securely and raise the rear wheel off the ground using a maintenance stand or a hoist.
2. Loosen the rear axle nut, lock nuts and turn the adjusting nuts so the rear wheel can be moved all the way forward for maximum drive chain slack.
3. Release the rear axle nut/washer.
4. Remove the drive chain from the driven sprocket by pushing the rear wheel forward.



Tyre Puncture ► Removing Wheels

5. Remove the rear axle shaft, side collars, rear axle washer, brake calliper bracket and rear wheel.
 - Support the brake caliper assembly so that it doesn't hang from the brake hose. Do not twist the brake hose.
 - Avoid getting grease, oil, or dirt on the disc or pad surfaces.
 - Do not push the brake pedal while the brake caliper is removed.

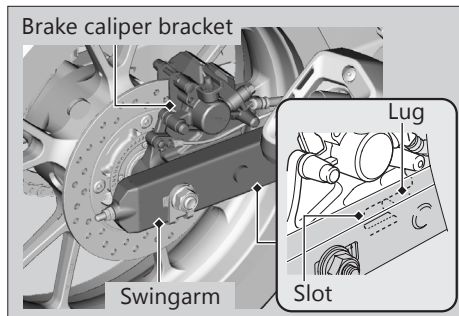
Installation

1. Attach the right and left side collars in their original locations on the wheel.
2. To install the rear wheel, reverse the removal procedure.
 - Take care to prevent the brake caliper from scratching the wheel during installation.

NOTICE

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

3. Make sure that the slot on the brake caliper bracket is positioned in the lug on the swingarm.



4. Adjust the drive chain. ► P. 76
5. Install and tighten the rear axle nut.

Torque: 88 N·m (9.0 kgf·m, 65 lbf·ft)

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

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

Smartphone Pairing Trouble

Symptom	Cause/remedy
Unable to pair a smartphone	Some smartphones you use may be incompatible with the vehicle and/or the operable functions may be limited.
	Check that the vehicle and smartphone are both in pairing mode. ➡ P. 38
	Check your surroundings to make sure no other device being paired is present before re-pairing. Presence of a Bluetooth® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	When connecting a smartphone, make sure no other Bluetooth® device readied for pairing is present. Presence of a Bluetooth® device in the vicinity sometimes affects the pairing due to radio wave interference, etc.
	Check that the vehicle pairing information is deleted from your smartphone Bluetooth® setting. Depending on the smartphone used, connecting may not be possible unless the pairing information is deleted.

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

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

Battery Goes Dead

Charge the battery using a motorcycle battery charger.

Remove the battery from the vehicle before charging.

Do not use an automobile-type battery charger, as these can overheat a motorcycle battery and cause permanent damage.

If the battery does not recover after recharging, contact your dealer.

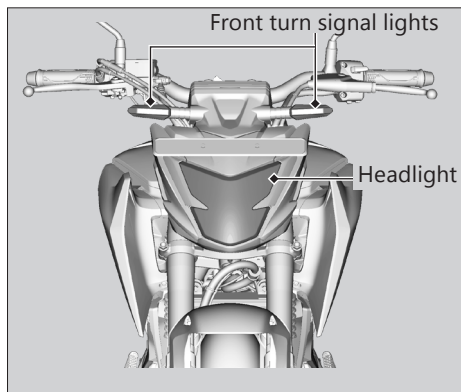
NOTICE

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

Burned-out Light Bulb

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

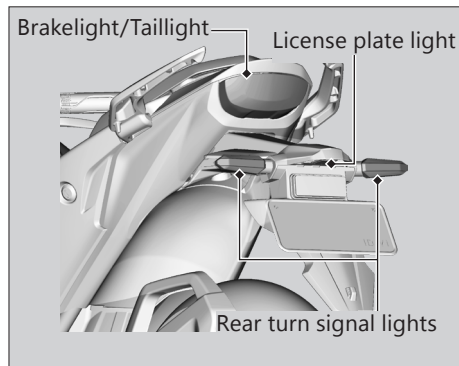
| Headlight/Front Turn Signal Light



The headlight and front turn signal light uses several LEDs.

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

| Brakelight/Taillight/License Plate Light/Rear Turn Signal Lights



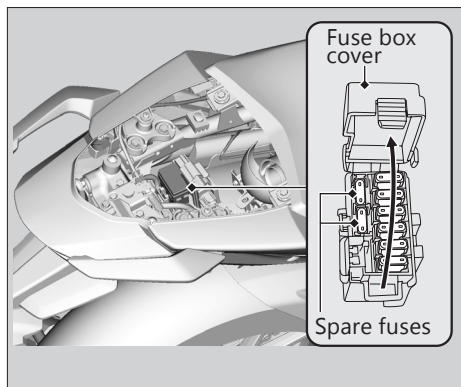
The brakelight/taillight, license plate light and rear turn signal light uses several LEDs.

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

Blown Fuse

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

Fuse Box Fuses

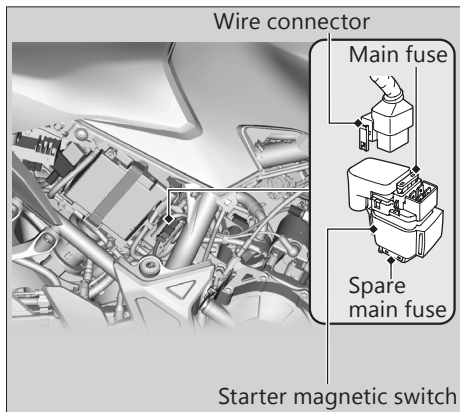


1. Remove the rear seat. ► P. 65
2. Open the fuse box cover.
3. Pull out the fuses one by one with the fuse puller provided in the tool kit (► P. 62) and check for a blown fuse. Always replace a blown fuse with a spare of the same rating.
► Spare fuses are provided in the fuse box.
4. Reinstall parts in the reverse order of removal.

NOTICE

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

I Main Fuse



1. Remove the right side cover. ► P. 66
2. Disconnect the negative (-) terminal from the battery. ► P. 63
3. Pull out the starter magnetic switch.
4. Disconnect the wire connector of the starter magnetic switch.
5. Pull the main fuse out and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
► Spare main fuse (20 A) is provided below the starter magnetic switch.
6. Reinstall parts in the reverse order of removal.

NOTICE

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

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

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Service Diagnostic Recorders

Your vehicle is equipped with service-related devices that record information about powertrain performance and riding conditions. The data can be used to help technicians diagnose, repair and maintain the vehicle. This data may not be accessed by anyone else except as legally required or with the permission of the vehicle owner. However this data may be accessed by Honda, its authorised dealers and authorised repairers, employees, representatives and contractors only for the purpose of the technical diagnosis, research and development of the vehicle.

Keys

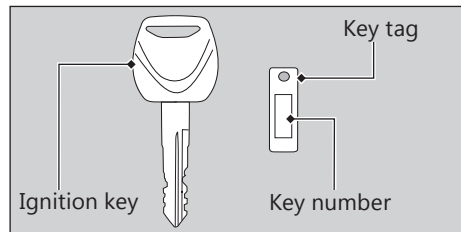
Ignition key

This vehicle has two ignition keys and a key tag with a key number and a bar code. Store the spare key and key tag in a safe location.

To make a duplicate, take the spare key or the key tag 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 ON position with the engine stopped will drain the battery. Do not turn the key while riding.

Engine Stop Switch

Do not use the engine stop switch except in an emergency. Doing so when riding will cause the engine to suddenly turn off, making riding unsafe. If you stop the engine using the engine stop switch, turn the ignition switch to the OFF position. Failing to do so will drain the battery.

Odometer

The display 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. Also average fuel mileage and fuel consumption are reset at the same time.

Document Bag

The owner's manual, registration, and insurance information can be stored in the plastic document bag located in the reverse side of the rear 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 OFF position and back to the ON position before the engine can be restarted.

Assist-slipper Clutch System

The assist-slipper clutch system helps to prevent the rear tyre from locking up when the deceleration of your vehicle produces a strong engine braking effect. It also makes the clutch lever operation feel lighter. Use only MA classification engine oil for your vehicle. Using engine oil other than MA classification oil could result in damage to the assist-slipper clutch system.

Caring for Your Vehicle

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

Washing

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

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

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

I 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 under the seat 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 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 matte painted surfaces:
 - ▶ Use a soft cloth or sponge, plenty of water, and a mild detergent to clean matte 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 vehicle cover.

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

- Wash your vehicle and wax all painted surfaces (except matte painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. ➤ P. 58
- 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. 63) 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.

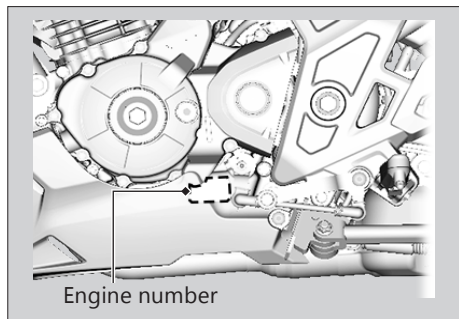
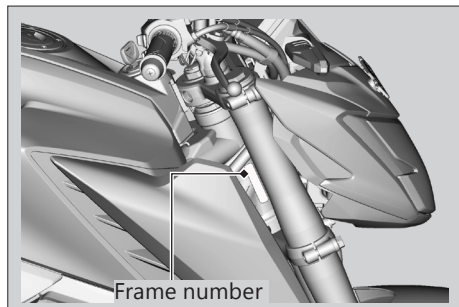
Recycle Wastes

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

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



Fuels Containing Alcohol

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

The following fuel blends can be used in your vehicle:

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

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

- Cause poor drivability and affect mileage.



This mark means that the vehicle parts are compliant up to 20% Ethanol blending with petrol.

NOTICE

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

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

Catalytic Converters

This 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.

Information

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	2084 mm (82.0 in)
Overall width	765 mm (30.1 in)
Overall height	1075 mm (42.3 in)
Wheelbase	1390 mm (54.7 in)
Minimum ground clearance	177 mm (7.0 in)
Caster angle	24.7°
Trail	94 mm (3.7 in)
Curb weight	153 kg (337.3 lb)
Maximum weight capacity ^{*1}	179 kg (395 lb)
Passenger capacity	Rider and 1 passenger
Minimum turning radius	2.30 m (7.5 ft)

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

Displacement	293.52 cm ³ (17.912 cu-in)
Bore x stroke	77.000 x 63.033 mm (3.0315 × 2.4816 in)
Compression ratio	9.3 : 1
Fuel	Unleaded petrol Recommended: 91 RON or higher
Fuel containing alcohol	ETHANOL up to 10% by volume
Tank capacity	14.1 litres (3.73 US gal, 3.10 Imp gal)
Battery	YTZ6V 12 V - 5.0 Ah (10 HR)
Gear ratio	1st 3.272
	2nd 2.058
	3rd 1.500
	4th 1.260
	5th 1.080
	6th 0.962
Reduction ratio (primary / final)	2.652 / 2.714

Specifications

■ Service Data

Tyre size	Front	110/70R-17M/C 54H
	Rear	150/60R-17M/C 66H
Tyre type	Tubeless, Radial	
Recommended Tyre	Front	REVZ-FC (MRF)
	Rear	REVZ-C1 (MRF)
Tyre air pressure	Front	(Driver only) 200 kPa (2.00 kgf/cm ² , 29 psi)
		(Driver and passenger) 200 kPa (2.00 kgf/cm ² , 29 psi)
		200 kPa (2.00 kgf/cm ² , 29 psi)
	Rear	(Driver only) 200 kPa (2.00 kgf/cm ² , 29 psi) (Driver and passenger) 225 kPa (2.25 kgf/cm ² , 33 psi)
Minimum tread depth	Front	1.5 mm (0.06 in)
	Rear	2.0 mm (0.08 in)
Spark plug	SILMAR7D9DS (NGK)	
Spark plug gap	0.8 to 0.9 mm (0.031 to 0.035 in)	
Idle speed	1400 ± 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 5W-30 or SAE 10W-30, JASO T 903 standard MA	
	After draining	1.5 litres (1.6 US qt, 1.3 Imp qt)
Engine oil capacity	After draining & engine oil filter change	1.6 litres (1.7 US qt, 1.4 Imp qt)
	After disassembly	2.0 litres (2.1 US qt, 1.8 Imp qt)
Recommended brake fluid	Honda Dot 3 or Dot 4 Brake fluid	
Recommended drive chain lubricant	Drive chain lubricant If not available, use SAE 80 or 90 gear oil.	
Drive chain slack	30 to 40 mm (1.2 to 1.6 in)	
Standard drive chain	DID520VF4	
	No. of links	110
standard sprocket size	Drive sprocket	14T
	Driven sprocket	38T

■ Bulbs

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

■ Fuses

Main fuse	20 A
	20 A
Other fuses	7.5 A

■ Torque Specifications

Engine oil drain bolt	24 N·m (2.4 kgf·m, 18 lbf·ft)
Front fork Pinch bolt	22 N·m (2.2 kgf·m, 16 lbf·ft)
Front axle shaft	64 N·m (6.5 kgf·m, 47 lbf·ft)
Rear axle nut	88 N·m (9.0 kgf·m, 65 lbf·ft)

Warranty Policy (Valid in India only)

Honda Motorcycle & Scooter India (Pvt.) Ltd. (HMSI) gives the following warranty in respect of vehicle “**CB300F**” manufactured by them. Proper care and precaution has been taken to ensure the best quality in respect of the material and workmanship in manufacturing of every vehicle.

HMSI would repair or replace at its discretion, those part(s) found to have manufacturing defects during examination. This repair or replacement of part(s) would be done free of charge at their authorised workshop, within a warranty period of 36 months from the date of sale or until the vehicle has covered 42000 kms, whichever comes first.

Warranty claims in respect of proprietary parts like tyres and battery are warranted by their respective manufacturers and should be claimed on them directly by customer.

NOTE: Battery Warranty is applicable from 21 months from Date Of Charging at manufacturer or 18 Months from the Date Of Sale or 20000 Kms whichever is earlier.

In all such cases the decision of the respective manufacturer will be final and binding.

HMSI shall not be liable in any manner to replace them though their dealers will give full assistance in preferring such claims on their manufacturers.

HMSI undertake no liability in the matter of consequential loss or damage caused due to the failure of the parts. Delay, if any, at the repairing workshop in carrying out repair to vehicle shall not be a ground for extending the warranty period nor shall it give any right to the customer for claiming any compensation for damages.

HMSI reserves the right either to repair or replace the defective part.

Where a defective part can be replaced by part/s of alternative brand/s, which are normally used by HMSI in the course of manufacturing, HMSI reserves the right to carry out the replacement by a part or parts of any such alternative brands.

This warranty and any claim arising there from is subject to Gurugram jurisdiction only.

No claim for exchange or repair can be considered unless the customer:

- a. Ensures that immediately upon discovery of the defect, he approaches any nearest authorised dealer of HMSI with the concerned vehicle and enables him to remove and dispatch the part/parts attributing to manufacturing defect to the company.
- b. Produces Owner's Manual in original, to enable that dealer to verify the details. It must be expressly understood that claims forwarded directly to us by the owner/customer will not be entertained at all and such defective part/parts thus forwarded by them will lie at our factory at their own risk, and this warranty shall not be enforceable.

Further this warranty is not applicable to:

1. Any vehicle on which any free and paid services has not been carried out, as per schedule given in Owner's Manual.
2. Normal maintenance operations like valve adjustment, cleaning of fuel system or such other adjustments.
3. HMSI does not warrant normal wear and tear items like Clutch Weight, Clutch Disc, Brake shoe, Brake Pads, Brake Disc, Drive belt, Drive Chain, Drive Chain Sprocket, Wheel Rim (in case of misalignment and bent), Bushes, Fasteners, Shims, Washers and Electrical items like Bulbs, Fuses, Rubber and Plastic Components like Grommets, O-Rings, Bellows, Packings, Gaskets, Oil Seals and Consumables like Fuel Filter, Air Cleaner Element, Engine Oil, Grease, Suspension Oil, and other items as specified by HMSI.
4. Fasteners and clips which need replacement during maintenance/service will not be covered under warranty.

Warranty Policy (Valid in India Only)

5. If there is any damage to the painted surface due to industrial pollution or other extraneous factors.
6. Any damage resulting from unavoidable natural disaster i.e fire, collision, earthquake, flood etc.
7. Any damage caused by exposure of the product to soot and smoke, chemical agents, bird-droppings, sea water, sea breeze, or other environmental phenomenon.
8. If there is any damage caused due to usage of improper oil/grease, non genuine parts.
9. For two-wheelers, which have been used for any commercial purposes as taxi etc.
10. For maintenance repairs required due to misuse while driving or due to adulteration of oil, petrol or due to bad road conditions.
11. Recommended fuel quality not used.
12. Parts of the vehicle that have been subjected to misuse, accident, negligent treatment or which have been used in conjunction with parts and an equipment not manufactured or recommended for use by HMSI if in the sole judgment of HMSI, such use prematurely affects the performance and reliability of the vehicle.
13. Parts of the vehicle that have been altered or modified or replaced in unauthorised manner, and which in the sole judgment of HMSI affect its performance and reliability.
14. The vehicle that has not been serviced by HMSI authorised dealer as per the service schedule or which have not been operated or maintained in accordance with instructions mentioned in the Owner's Manual.
15. The vehicles used for any competition or race and/or for attempting to set up any kind of record HMSI reserves the right to make any changes in design or to add any improvement on the vehicle at any time without incurring any obligations to install the same on a vehicle previously supplied and sold. Also the conditions of this warranty are subject to alteration without any notice.

This warranty is entirely written warranty given by HMSI and no other person, including the dealer or its or his agent or employee is authorised to extend or enlarge this warranty.

This warranty is given in lieu of and excludes every condition or warranty whether statutory or otherwise not herein expressly set out.

EMISSION WARRANTY

Subject to other terms of the warranty policy and other conditions and obligations laid down hereunder, the manufacturer certifies that the components liable to affect the emission of the gaseous pollutants in the vehicle in normal use despite the use to which it may be subjected, comply with provisions of rule 115(2) of the Central Motor Vehicle Rules, 1989 and further warrants that if on examination by a service center duly authorized by the manufacturer, the vehicle is discovered to be failing to meet the emission standard as specified in the said rule,

the authorized service center shall take such corrective measures as may be necessary and shall at its sole discretion replace free of charge such components of emission control system as are specified in schedule.

A. Conditions

1. This warranty will be in addition to and run parallel to the product warranty given by the manufacturer and will apply to components as mentioned later. This warranty is applicable in Delhi, Mumbai, Kolkata and Chennai with effective from 1st July 2001. Other places when included will be covered under warranty accordingly.
2. The period of the vehicle's emission warranty will be determined starting from the date of the vehicle sale. The period of time and kilometers that are covered under the provisions of warranty may vary but should not be less than the minimum warranty period based on the vehicle category.

For a two-wheeler the emission warranty period is 30,000 kms or 3 years whichever is earlier.

Warranty Policy (Valid in India Only)

3. Warranty claim for the components under Emission warranty will be admitted, for a prima facie examination, in the event of failure of the vehicle to meet the emission standard as specified in sub-rule (2) of Rule No 115 of the Central Motor vehicle Rules.
4. The warranty claim will be accepted only after the examinations carried out by Authorized Service Centers leads to a firm conclusion that none of the original settings have been tampered with and that the components has/have a manufacturing defect, and/or, that the vehicle is unable to meet the in-use emission standard, in spite of the vehicle being maintained and used in accordance with the instructions in the owner's manual.
5. The methods of examination to determine the warrantable condition of the components will be at the sole discretion of manufacturers and or their Authorized service centers and results

of such examination will be final and binding. If, on examination, a warrantable condition is not established, the manufacturers will have to charge all, or part, of the cost of such examination.

6. In case of a vehicle in which the components covered under Emission warranty, the manufacturer will replace, at Authorized centers free of charge, the components which are covered, but the consumables as mentioned in Owner's Manual shall be charged as per actuals.
7. In case of a vehicle in which the components covered under Emission warranty or the associated parts are not independently replaceable on account of their being integral parts of a complete assembly, the manufacturer will have the sole discretion to replace either the entire assembly or by using some of the parts of the system through suitable repairs or modifications.

8. Any consequential repairs or replacement of parts which may be found necessary to establish compliance to in-use emission standards, in addition to replacement of the parts covered under emission warranty, will not be made free of cost unless such parts are also found to be in a warrantable condition within the scope and limit of the product warranty. The consumables shall be charged as per actual during such repairs or replacement of parts.
9. All the parts removed for replacement under warranty will be the property of the manufacturer.
10. The manufacturer will not be responsible for the cost of transportation of the vehicle to the nearest Authorized Service center or any loss due to non-availability of the vehicle during the period of lodging of a warranty claim and examination by the manufacturer and repairs.
11. The manufacturer will not be responsible for any penalties that may be charged by statutory authorities on account of failure to comply with the in use emission standards.
12. Emission warranty will be applicable irrespective of the change of ownership of the vehicle provided all the conditions as laid down in this document are met from the date of original sale of the vehicle.
13. The emission warranty will be applicable only if:
 - a. Observes all the important instructions and any other precautions listed in the Owner's Manual for use of the vehicle.
 - b. Under all circumstances uses lubricants and fuel as recommended by manufacturer.
 - c. Regularly obtains and carries out maintenance in accordance with the manufacturers guidelines and enters the details in the Logbook.
 - d. Immediately approaches the nearest authorized service center upon discovery of failure to comply with the

Warranty Policy (Valid in India Only)

- in use emission standards in spite of having maintained and used the vehicle in accordance with the instructions in the Owner's Manual and having carried out such repairs and adjustments as may be required with a view to establish such compliance.
- e. Produces the 'Pollution Under Control' certificate valid for the period immediately preceding the test during which the failure is discovered, the test having been carried out either for obtaining a new certificate, or pursuant upon being directed by an officer as referred to in sub-rule(2) of Rule 116 of the Central Motor Vehicle Rules.
 - f. Produces the Owner's Manual and Log book for verification details.
 - g. Produces receipts covering maintenance of the vehicle as specified in the Owner's Manual from the date of original purchase of the vehicle.
 - h. Produces valid certificate of insurance and RTO registration.
14. Conditions under which warranty is not applicable:
- A valid 'Pollution Under Control' certificate as described in customer obligation D(6) above is not produced.
- A vehicle which is not serviced by Authorized service center as per the service schedule described in the maintenance chart given in the Owner's Manual.
- A vehicle, which has been subjected to abnormal use, abuse, neglect and improper maintenance or has met with an accident. Use of replacement parts not specified and approved by the manufacturer.
- A vehicle, or parts thereof, which has been altered, tampered with or modified or replaced in an unauthorized manner.
- A vehicle on which the odometer is not functioning or the odometer has been changed/tampered with so that the actual mileage cannot be readily determined.

A vehicle which has been used for competitions, races, rallies or for the purpose of establishing records.

Examination by the manufacturers or his Authorized Service Centers of the vehicle shows that any of the conditions stipulated in the Owner's Manual with regard to use and maintenance have been violated.

A vehicle, which has been run on, adulterated fuel, leaded fuel or lubricant or fuel/lubricants other than those specified by the manufacturer in the Owner's Manual with regard to use and maintenance have been violated.

SCOPE AND LIMITS

1. This emission warranty is in addition to product warranty and shall run parallel to the product warranty for the vehicle as per the scope and limit described in the Owner's Manual and all conditions described there in will apply in addition to those exclusively stipulated in this warranty.

2. The emission warranty covers only compliance with the emission standard as specified in the sub rule (2) of rule 115 of CMVR. It does not cover any other performance of these parts or routine test and consequent maintenance or adjustments to establish compliance to the in use emission standard as applicable to the state, in which the vehicle is registered and is in use.

The parts, which are covered under emission warranty, are throttle body, fuel injector, ignition coil, muffler etc.

NOTE: The emission warranty is applicable only when a customer enters into emission warranty contract.

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