Z125MA

OWNER'S MANUAL

HONDA

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

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Welcome

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

To ensure your safety and riding pleasure:

- Read this owner's manual carefully.
- Follow all recommendations and procedures contained in this manual.
- Pay close attention to safety messages contained in this manual and on the vehicle.

- The following codes in this manual indicate each destination.
- The illustrations here in are based on the Z125MA ED type.

Destination Codes

Code Z125MA	**Destination**
ED	European direct sales, United Kingdom, Turkey, Singapore, New Zealand, Mexico, Costa Rica, Guatemala, Israel
KO	Korea

*The specifications may vary with each locale.

A Few Words About Safety

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

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

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

⚠DANGER

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

⚠WARNING

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

⚠CAUTION

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

Other important information is provided under the following titles:

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

Contents

Vehicle Safety P. 2

Operation Guide P. 16

Maintenance P. 43

Troubleshooting P. 79

Information P. 88

Specifications P. 106

Vehicle Safety

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

Safety Guidelines ..... P. 3
Image Labels ..... P. 6
Safety Precautions ..... P. 10
Riding Precautions ..... P. 11
Accessories & Modifications ..... P. 14
Loading ..... P. 15

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. 10

Before Riding

Make sure that you are physically fit, mentally focused, and free of alcohol and drugs. Check that you are wearing an approved helmet and protective apparel.

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.

Make Yourself Easy to See

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

Ride within Your Limits

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

Don't Drink or Use Drugs and Ride

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

Keep Your Honda in Safe Condition

It's important to keep your vehicle properly maintained and in safe riding condition. Inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits (P. 15), and do not modify your vehicle or install accessories that would make your vehicle unsafe (P. 14).

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 O (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

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

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

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



Read instructions contained in Owner's Manual carefully.



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



DANGER (with RED background)
You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
WARNING (with ORANGE background)
You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
CAUTION (with YELLOW background)
You CAN be HURT if you don't follow instructions.

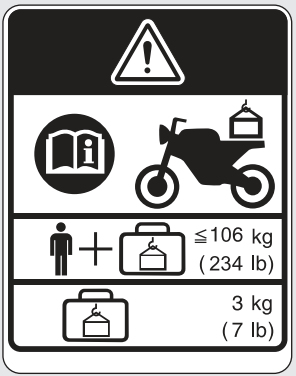
sample



BATTERY LABEL
DANGER

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

Continued

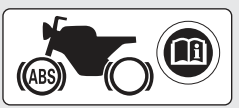


ACCESSORIES AND LOADING WARNING LABEL WARNING

ED type

ACCESSORIES AND LOADING

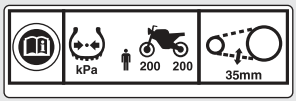
- The safety stability and handling of this vehicle may be affected by the addition of accessories and luggage.
- Read carefully the instructions contained in user's manual and installation guide before installing any accessory.
- The total weight of accessories and luggage added to rider's weight should not exceed **106 kg (234 lb)**, which is the maximum weight capacity.
- The luggage weight must not exceed **3 kg (7 lb)** under any circumstances.
- The fitting of large fork-mounted or large handlebar mounted fairing is not recommended.



ABS INFORMATION LABEL

ED type

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



TYRE INFORMATION & DRIVE CHAIN LABEL

ED type

Cold tyre pressure:

[Driver]

Front	**200 kPa (2.00 kgf/cm², 29 psi)**
Rear	**200 kPa (2.00 kgf/cm², 29 psi)**

Keep chain adjusted and lubricated.
Freeplay **30 - 40 mm (1.2 - 1.6 in)**



SAFETY REMINDER LABEL

ED type

For your protection, always wear helmet, protective apparel.

FUEL LABEL

ED type

Unleaded petrol only
ETHANOL up to 10 % by volume

Safety Precautions

- Ride cautiously and keep your hands on the handlebar and feet on the footpegs.
- Always consider the safety of other drivers and riders.

Protective Apparel

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

Helmet

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

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

⚠WARNING

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

Make sure that you 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.

Continued

Anti-lock Brake System (ABS) on Front Wheel

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

- There is no ABS function to the rear wheel.
- ABS does not reduce braking distance. In certain circumstances, ABS may result in a longer stopping distance.
- ABS does not function at speeds below 10 km/h (6 mph).
- The brake lever may recoil slightly when applying the brakes. This is normal.
- Always use the recommended front/rear 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.
  ED type
  Also set the alarm system.

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. 26
6. ED type
   Set the alarm system. P. 27

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. 104
- Do not use stale or contaminated petrol or an oil/petrol mixture.
- Avoid getting dirt or water in the fuel tank.

Accessories & Modifications

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

⚠WARNING

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

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

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

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.
  ED type
  Maximum weight capacity/Maximum luggage weight P. 106
  KO type
  Maximum weight capacity P. 106
- 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

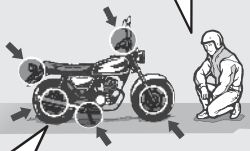
Overloading, improper loading, or carrying a passenger can cause a crash and you can be seriously hurt or killed.

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

Basic Operation Flow

Pre-ride Inspection P.48

Carefully inspect your vehicle to make sure that it is safe to ride.



How to use basic features.

- Instruments P.20
- Indicators P.23
- Switches P.24
- Steering Lock P.26
- ED type Alarm System P.27
- ED type Answer Back System P.32

Starting the Engine P.36

Start and warm the engine. Avoid revving the engine.



Starting the Vehicle

Before pulling away, indicate your direction with the turn signal switch, and check for oncoming traffic.

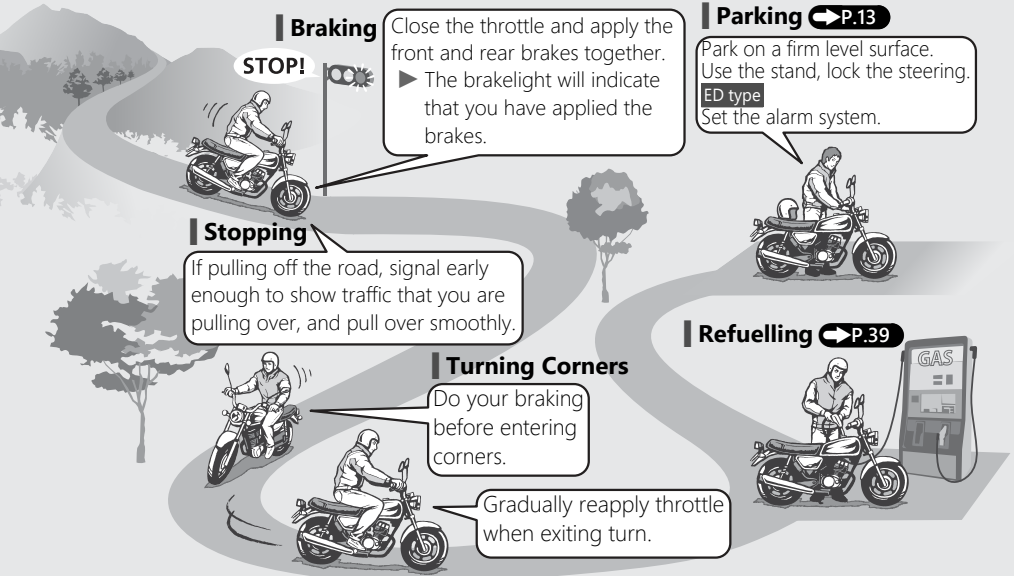


Shift Change P.38

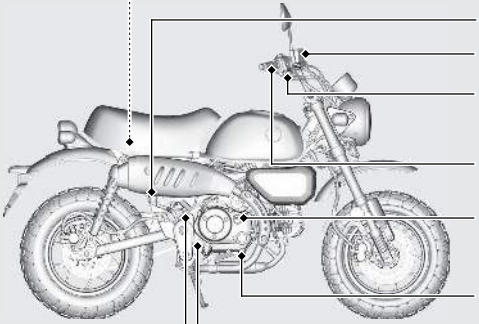
Acceleration

Apply throttle gradually. Obey the speed limit.




Braking
Close the throttle and apply the front and rear brakes together.
► The brakelight will indicate that you have applied the brakes.
STOP!
Parking P.13
Park on a firm level surface.
Use the stand, lock the steering.
ED type
Set the alarm system.
Stopping
If pulling off the road, signal early enough to show traffic that you are pulling over, and pull over smoothly.
Refuelling P.39
GAS
Turning Corners
Do your braking before entering corners.
Gradually reapply throttle when exiting turn.

Parts Location



Fuse box P.86

Battery P.60

Rear brake fluid reservoir P.67

Front brake fluid reservoir P.67

Front brake lever

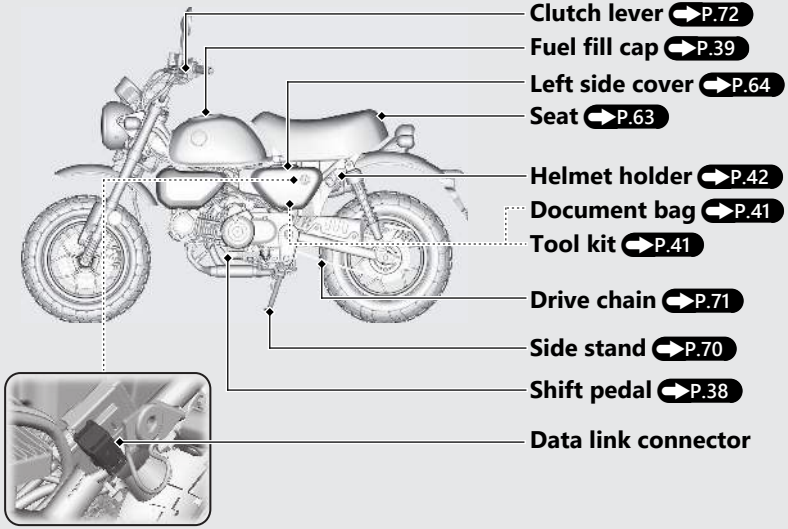
Throttle grip P.75

Engine oil fill cap P.66

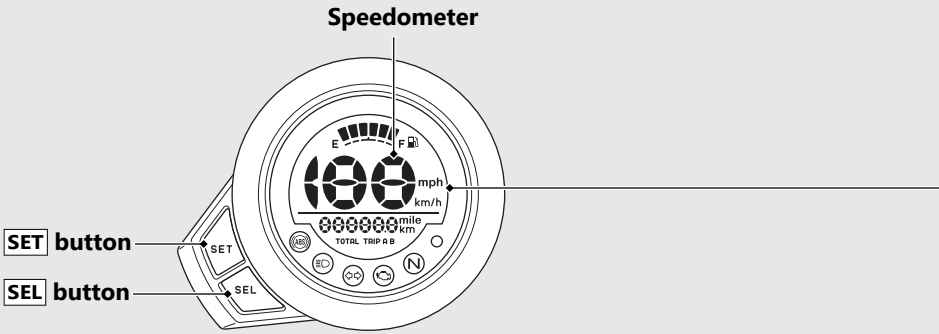
Rear brake pedal

Engine oil level inspection window P.65

Brakelight switch P.69


Clutch lever P.72
Fuel fill cap P.39
Left side cover P.64
Seat P.63
Helmet holder P.42
Document bag P.41
Tool kit P.41
Drive chain P.71
Side stand P.70
Shift pedal P.38
Data link connector

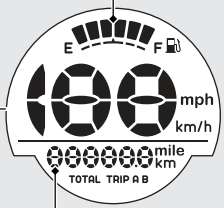
Instruments



Display Check

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

KO type The "mph" and "mile" will not display.



Fuel gauge

Remaining fuel when only 1st (E) segment starts flashing: approximately 1.80 L (0.476 US gal, 0.396 Imp gal)

If the fuel gauge indicator flashes in a repeat pattern or turns off: P.83



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.

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

SEL button switches between the odometer and tripmeters.

- Odometer: Total distance ridden.
- Tripmeter: Distance ridden since tripmeter was reset.

  ED type (press and hold the **SET** button to reset to 0.0 km/mile)

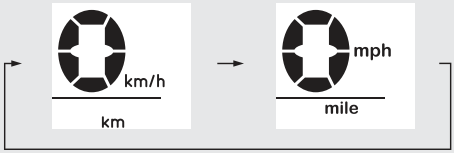
  KO type (press and hold the **SET** button to reset to 0.0 km)

Instruments *(Continued)*

Changing of speed and mileage unit

ED type

1. Turn the ignition switch to the ❙ (On) position.
2. Press and hold **SEL** button and **SET** button.
3. Press **SEL** button to select either “km/h” and “km” or “mph” and “mile”.



4. Press **SET** button.

   The speed and mileage unit is set, and then the display returns to the ordinary display.

   ► The speed and mileage unit can also be set by turning the ignition switch to the ○ (Off) position.

Indicators

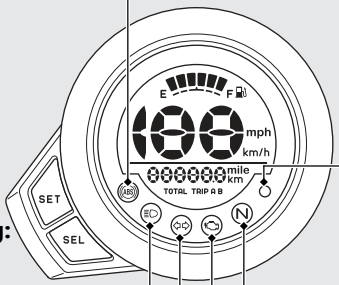
If one of these indicators does not come on when it should, have your dealer check for problems.

ABS (Anti-lock Brake System) indicator

Comes on when the ignition switch is turned to the | (On) position.

Goes off when your speed reaches approximately 10 km/h (6 mph).

If it comes on while riding: P.82



ED type

Alarm indicator

Alarm System: P.27

N Neutral indicator

Comes on when the transmission is in Neutral.

High beam indicator

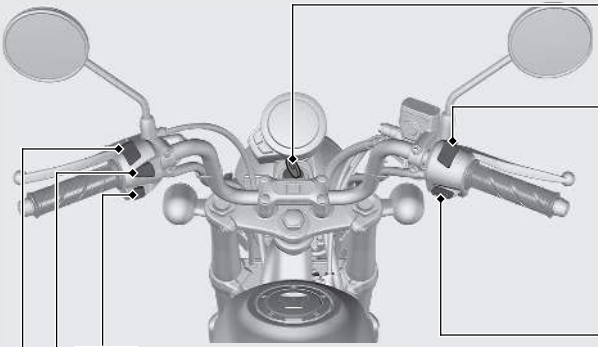
Turn signal indicator

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

Comes on briefly when the ignition switch is turned to the | (On) position with the engine stop switch in the ⟳ (Run) position.

If it comes on or flashes while engine is running: P.81

Switches



Engine stop switch
Should normally remain in the (Run) position.
▶ In an emergency, switch to the (Stop) position (the starter motor will not operate) to stop the engine.

Start button

Turn signal switch
▶ Pressing the switch turns the turn signal off.

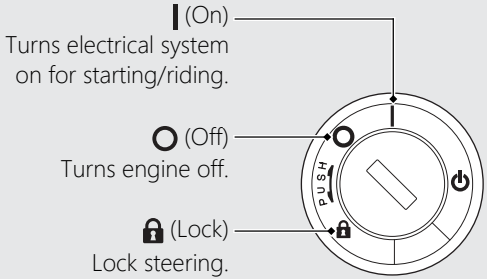
Horn button

Headlight dimmer switch
- : High beam
- : Low beam

⏻ Ignition switch

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

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

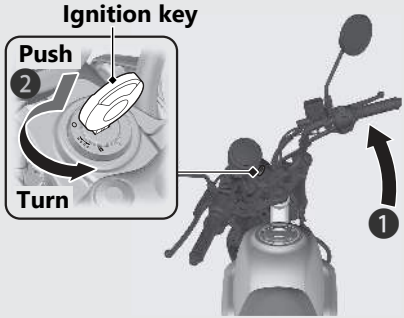


Switches *(Continued)*

Steering Lock

Lock the steering when parking to help prevent theft.

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



Locking

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

Unlocking

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

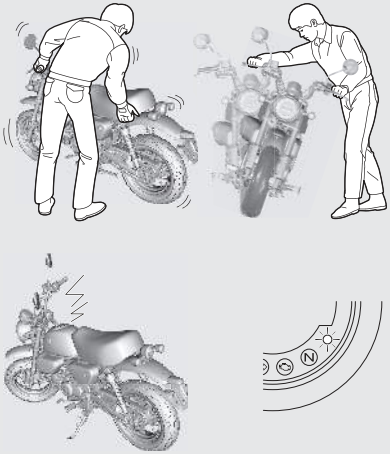
Alarm System

ED type

The alarm system is a device to reduce the likelihood of theft. When the sensor detects vibration or movement with the ignition switch in the ○ (Off) or 🔒 (Lock) position and the system is set, the alarm is activated.

The buzzer rings and alarm indicator blinks for about 10 seconds when the alarm system detects vibration caused by contact or movement.

The buzzer rings and alarm indicator blinks for about 60 seconds when the alarm system detects a substantial change in the vehicle posture. After the buzzer rings for 60 seconds, the alarm system will be reset in that posture.



Alarm System *(Continued)*

If the ignition switch is left in the ○ (Off) position for more than 10 days, the alarm system will no longer operate. To reset the system, turn the ignition switch to the | (On) position once.

The alarm system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.

When the battery in the vehicle is weak, the alarm system may not function.

Setting the Alarm System

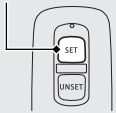
1. Turn the ignition switch to the ○ (Off) position or the 🔒 (Lock) position.
2. Press the SET button. Within a second, the buzzer rings for 1 time. After 2 seconds, the buzzer rings 1 time. The alarm system is activated.

The buzzer sound can be cancelled using temporary silence mode.

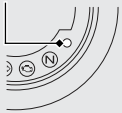
Temporary Silence Mode P.35

The alarm indicator flashes while the alarm system is activated.
The alarm system is cancelled when ignition switch is turned to the | (On) position.

SET button



Alarm indicator



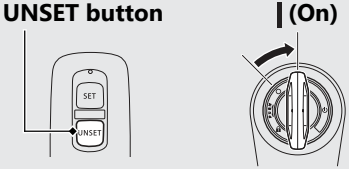
Cancelling the Alarm System

Press the UNSET button or turn the ignition switch to the (On) position.

When UNSET button is pressed, the alarm indicator blinks and the buzzer rings for 2 times.

The buzzer sound can be cancelled using temporary silence mode.

Temporary Silence Mode P.35

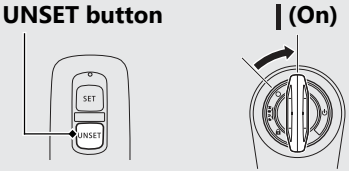


Stopping the Alarm Activation

To stop the alarm activation, do one of the following:

- Press the UNSET button on the remote transmitter.
- Turn the ignition switch to the (On) position.

After stopping the alarm activation, the alarm system will be cancelled.

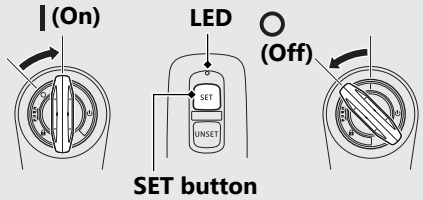


Alarm System *(Continued)*

Adjusting the Sensitivity of Alarm System

You can select 3 sensitivity levels of alarm system.

1. Turn the ignition switch to the ○ (Off) position.
2. Repeat the following 3 times:
   Turn the ignition switch from the ○ (Off) position to the | (On) position and press SET button on remote transmitter 2 times.
   Then turn the ignition switch from the | (On) position to the ○ (Off) position within 5 seconds.
   ► You need to operate this process from the ○ (Off) position to the | (On) position within 5 seconds.



3. Turn and keep the ignition switch to the | (On) position.
   Press the SET button to select from 3 sensitivity levels.
   3 alarm rings: high sensitivity
   2 alarm rings: medium sensitivity
   1 alarm ring: low sensitivity
   The alarm indicator lights while setting.
4. Turn the ignition switch to the ○ (Off) position to finish setting the sensitivity level.

To complete your setting, you need to go through step 3 within 60 seconds.

Make sure that remote transmitter LED is green before setting the sensitivity level. Because if it is red, you cannot set the sensitivity level.

If the Alarm System Does Not Operate Properly

If any of the following situations arise, the battery (P.60) in the vehicle may be discharged or there is a system problem. Remove the battery and see your dealer.

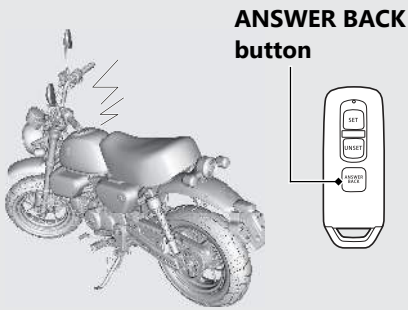
The alarm does not ring.
The alarm rings but fades out.
The alarm system does not stop.

Answer Back System

ED type

The answer back system is a device to find the location of your vehicle. When you press the ANSWER BACK button on the remote transmitter with the ignition switch in the (Off) or (Lock) position, the buzzer rings informing you of your vehicle's location.

The answer back system uses low-intensity radio waves. It may affect medical equipment such as a cardiac pacemaker.



Operation

Press the ANSWER BACK button on the remote transmitter.

► Answer back system will not function when the ignition switch is in the | (On) position.

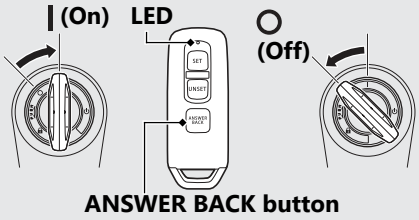
If the ignition switch is left in the ○ (Off) position for more than 10 days, the answer back system will no longer operate. To reset the system, turn the ignition switch to the | (On) position once.

When the battery in the vehicle is weak, the answer back system may not function.

Adjusting the Answer Back Buzzer Sound Volume Level

You can select 3 buzzer sound volume levels or mute.

1. Turn the ignition switch to the ○ (Off) position.
2. Repeat the following 3 times:
   Turn the ignition switch from the ○ (Off) position to the | (On) position and press ANSWER BACK button on remote transmitter 2 times.
   Then turn the ignition switch from the | (On) position to the ○ (Off) position within 5 seconds.
   ► You need to operate this process from the ○ (Off) position to the | (On) position within 5 seconds.



Answer Back System *(Continued)*

3. Turn and keep the ignition switch to the | (On) position. Press the ANSWER BACK button to select among 3 levels of sound volume or mute.
4. Turn the ignition switch to the ○ (Off) position to finish setting the buzzer sound volume level.

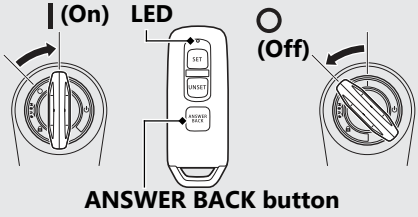
To complete your setting, you need to go through step 3 within 60 seconds.

Make sure that remote transmitter LED is green before setting the buzzer sound volume level. Because if it is red, you cannot set the buzzer sound volume level.

Changing the Answer Back Buzzer Sound Pattern

You can select 3 buzzer sound patterns.

1. Turn the ignition switch to the ○ (Off) position.
2. Repeat the following 3 times:
   Turn the ignition switch from the ○ (Off) position to the | (On) position and press ANSWER BACK button on remote transmitter 3 times. Then turn the ignition switch from the | (On) position to the ○ (Off) position within 5 seconds.
   ► You need to operate this process from the ○ (Off) position to the | (On) position within 5 seconds.



❸ Turn and keep the ignition switch to the ❙ (On) position. Press the ANSWER BACK button to select among 3 buzzer sound patterns.
❹ Turn the ignition switch to the O (Off) position to finish setting the buzzer sound patterns.

To complete your setting, you need to go through step ❸ within 60 seconds.

Make sure that remote transmitter LED is green before setting the buzzer sound patterns. Because if it is red, you cannot set the buzzer sound patterns.

❙ Temporary Silence Mode

Temporary silence mode is the immediate way to turn off the answer back system buzzer sound.

Enable:

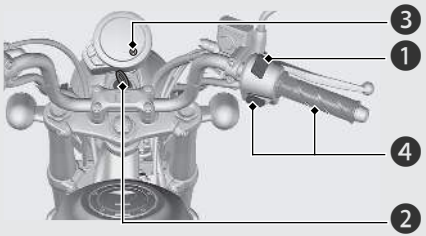
Press and hold ANSWER BACK button for about 2 seconds, the remote transmitter LED changes to red.

Disable:

Re-press and hold ANSWER BACK button for about 2 seconds, the remote transmitter LED changes to green.

Starting the Engine

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



NOTICE

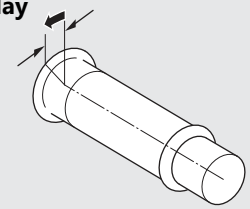
- If the engine does not start within 5 seconds, turn the ignition switch to the ○ (Off) position and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine and the exhaust system.

1. Make sure the engine stop switch is in the ◯ (Run) position.
2. Turn the ignition switch to the ❙ (On) position.
3. Shift the transmission to Neutral (N indicator 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 Press the start button with the throttle completely closed.

► If you cannot start the engine, open the throttle slightly (about 3 mm (0.1 in), without freeplay) and press the start button.

About 3 mm (0.1 in), without freeplay



If the engine does not start:

① Open the throttle fully and press the start button for 5 seconds.

► The engine will not start at this time. (When the throttle is fully open, the engine will not start when the start button is pressed.) Release the throttle and start button after 5 seconds and proceed to step 2.

② Repeat the normal starting procedure.

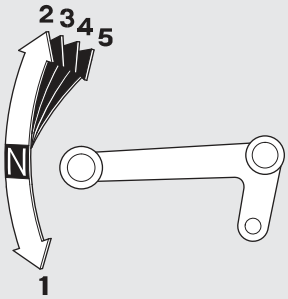
③ If the engine starts, open the throttle slightly if idling is unstable.

④ If the engine does not start, wait 10 seconds before trying step ① & ② again.

If Engine Will Not Start P.80

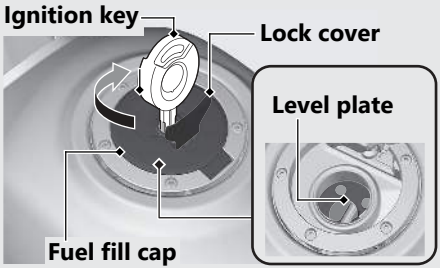
Shifting Gears

Your vehicle transmission has 5 forward gears in a one-down, four-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 level plate.

Fuel type: Unleaded petrol only
Fuel octane number: Your vehicle is designed to use Research Octane Number (RON) 91 or higher.
Tank capacity:
5.6 L (1.48 US gal, 1.23 Imp gal)

Refuelling and Fuel Guidelines P.13

Opening the Fuel Fill Cap
Open the lock cover, insert the ignition key, and turn it clockwise to open the fuel fill cap.

Refuelling *(Continued)*

Closing the Fuel Fill Cap

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

⚠WARNING

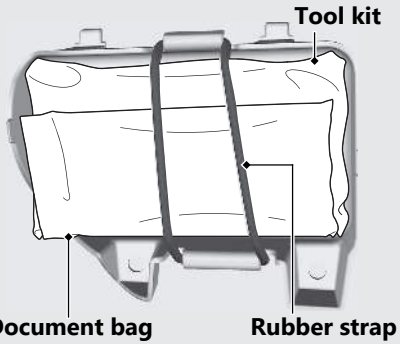
Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

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

Storage Equipment

Document Bag/Tool Kit

Document bag and tool kit are stored on the inner left side cover by the rubber strap.

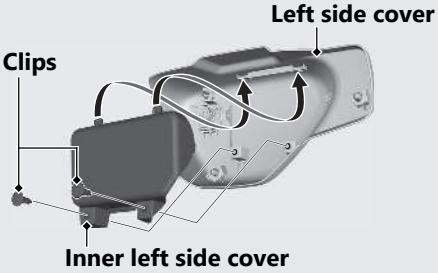


Removing the inner left side cover

1. Remove the left side cover. P.64
2. Remove the clips. P.62
3. Remove the inner left side cover.

Installing the inner left side cover

Install the parts in the reverse order of removal.

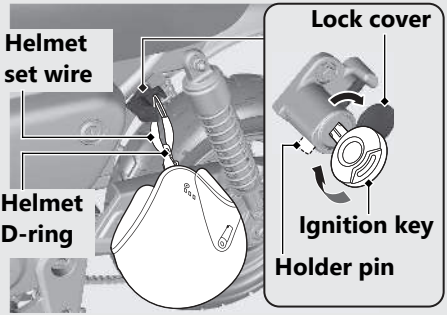


Storage Equipment *(Continued)*

Helmet holder

The helmet holder is on the left side below the seat.

A helmet set wire is in the tool kit. P.41



Unlocking

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

Locking

1. Hang both ends of the helmet set wire that has been passed through the helmet D-ring on the holder pin and push it in to lock.
2. Remove the ignition key and close the lock cover.
   ▶ Use the helmet holder only when parked.

⚠WARNING

Riding with a helmet attached to the holder can interfere with the rear wheel or suspension and could cause a crash in which you can be seriously hurt or killed.

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

Maintenance

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

Importance of Maintenance ..... P. 44
Maintenance Schedule ..... P. 45
Maintenance Fundamentals ..... P. 48
Tools ..... P. 59
Removing & Installing Body Components .. P. 60
- Battery ..... P. 60
- Clip ..... P. 62
- Seat ..... P. 63
- Left Side Cover ..... P. 64

Engine Oil ..... P. 65
Brakes ..... P. 67
Side Stand ..... P. 70
Drive Chain ..... P. 71
Clutch ..... P. 72
Throttle ..... P. 75
Other Replacement ..... P. 76
- Replacing the Remote Transmitter Battery ... P. 76

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. 45

⚠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.

Continued

Items		Pre-ride Check ➔ P. 48	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			
Fuel Line	🔧				I	I	I	I	I	I	I		–
Fuel Level		I											39
Throttle Operation	🔧	I			I	I	I	I	I	I	I		75
Air Cleaner *2	🔧						R			R			–
Crankcase Breather *3					C	C	C	C	C	C			–
Spark Plug					I	R	I	R	I	R			–
Valve Clearance	🔧				I	I	I	I	I	I			–
Engine Oil		I		R	R	R	R	R	R	R	R		65
Engine Oil Strainer Screen	✕					C		C		C			–
Engine Oil Filter						R		R		R			–
Engine Idle Speed	🔧			I	I	I	I	I	I	I	I		–
Evaporative Emission Control System	🔧						I			I			–

Maintenance Level

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

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

Maintenance Legend

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

Items		Pre-ride Check ➡ P. 48	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			
Drive Chain		I	Every 500 km (300 mi): I L										71
Brake Fluid *4		I			I	I	I	I	I	I	I	2 Years	67
Brake Pads Wear		I			I	I	I	I	I	I	I		68
Brake System					I	I	I	I	I	I	I		48
Brakelight Switch					I	I	I	I	I	I	I		69
Headlight Aim					I	I	I	I	I	I	I		–
Lights/Horn		I											–
Engine Stop Switch		I											–
Clutch System		I			I	I	I	I	I	I	I		72
Side Stand		I			I	I	I	I	I	I	I		70
Suspension	🔧				I	I	I	I	I	I	I		–
Nuts, Bolts, Fasteners	🔧					I		I		I	I		–
Wheels/Tyres	✕	I			I	I	I	I	I	I	I		56
Steering Head Bearings	✕					I		I		I	I		–

Notes:

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

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

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

*4 : Replacement requires mechanical skill.

Pre-ride Inspection

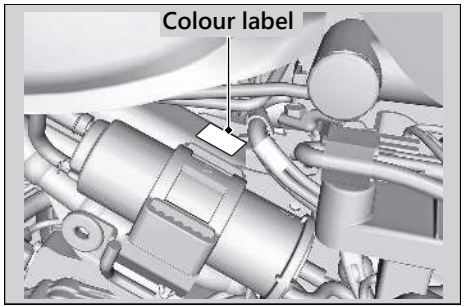
To ensure safety, it is your responsibility to perform a pre-ride inspection and make sure that any problem you find is corrected. A pre-ride inspection is a must, not only for safety, but because having a breakdown, or even a flat tyre, can be a major inconvenience.

Check the following items before you get on your vehicle:

- Fuel level - Fill fuel tank when necessary ➔P. 39
- Throttle - Check for smooth opening and full closing in all steering positions ➔P. 75
- Engine oil level - Add engine oil if necessary. Check for leaks ➔P. 65
- Drive chain - Check condition and slack, adjust and lubricate if necessary ➔P. 71
- Brakes - Check operation;
  Front and Rear: check brake fluid level and pads wear ➔P. 67, ➔P. 68
- Lights and horn - Check that lights, indicators and horn function properly
- Engine stop switch - Check for proper function ➔P. 24
- Clutch - Check operation;
  Adjust freeplay if necessary ➔P. 72
- Side stand ignition cut-off system - Check for proper function ➔P. 70
- Wheels and tyres - Check condition, air pressure and adjust if necessary ➔P. 56

Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety. When ordering coloured components, specify the model name, colour, and code mentioned on the colour label.
The colour label is attached to the frame.
To check the colour label, remove the left side cover. ➔P. 64



⚠WARNING

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

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

Battery

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

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

NOTICE

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



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

NOTICE

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

What to do in an emergency

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

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

⚠WARNING

The battery gives off explosive hydrogen gas during normal operation.

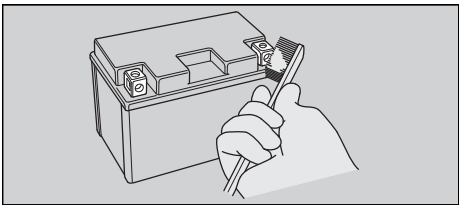
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

Cleaning the Battery Terminals

1. Remove the battery. ➔P. 60
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

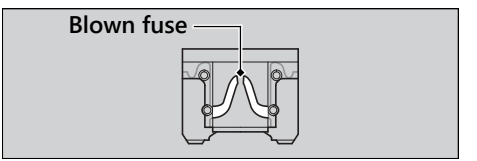
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

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. 86

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. 108



NOTICE

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

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

Engine Oil

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

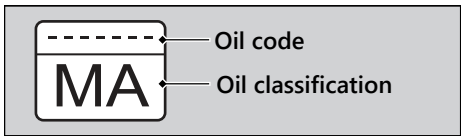
Selecting the Engine Oil

For recommended engine oil, see "Specifications." P. 107

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

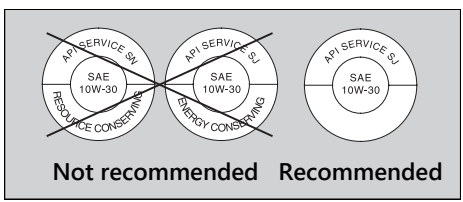
- JASO T 903 standard*1: MA
- SAE standard*2: 10W-30
- API classification*3: SJ or higher

*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.

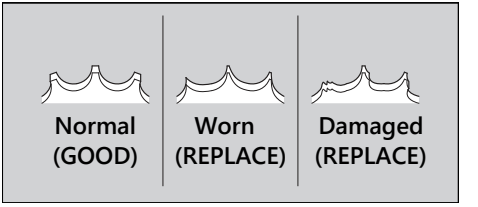
Recommended brake fluid:
Honda DOT 3 or DOT 4 Brake Fluid or equivalent

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. 71

If the chain does not move smoothly, makes strange noises, has damaged rollers, has loose pins, 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.

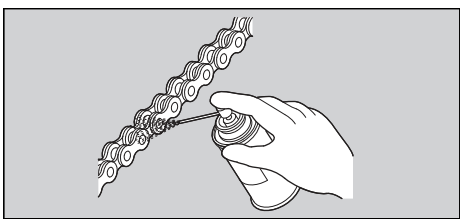


NOTICE
Use of a new chain with worn sprockets will cause rapid chain wear.

Cleaning and Lubricating

After inspecting the slack, clean the chain and sprockets while rotating the rear wheel. Use a dry cloth with high flash-point solvent. Use a soft brush if the chain is dirty.
After cleaning, wipe dry and lubricate with the recommended lubricant.

Recommended lubricant:
Drive chain lubricant
If not available, use SAE 80 or 90 gear oil.



Never use petrol or low flash point solvents for cleaning the drive chain.
A fire or explosion could result.
Avoid getting lubricant on the brakes or tyres.
Avoid applying excess chain lubricant to prevent spray onto your clothes and the vehicle.

Crankcase Breather

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

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

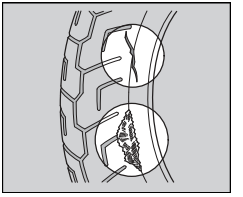
Tyres (Inspecting/Replacing)

Checking the Air Pressure

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

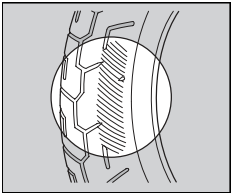
Inspecting for Damage

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.



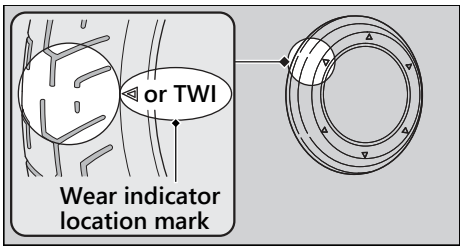
Inspecting for Abnormal Wear

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



Inspecting Tread Depth

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



⚠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 and air pressure, see "Specifications." ➡ P. 107
Follow these guidelines whenever you replace tyres:

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

Tools

The tool kit is stored in the inner left side cover. ➔P. 41

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

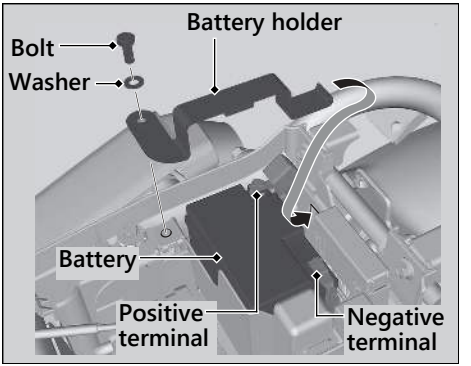
ED type

- Standard/Phillips screwdriver
- Screwdriver handle
- 10 × 14 mm Open end wrench
- 6 mm Hex wrench
- Fuse puller
- 8 × 12 mm Open end wrench
- Helmet set wire

KO type

- Standard/Phillips screwdriver
- Screwdriver handle
- Spark plug wrench
- 6 mm Hex wrench
- Fuse puller
- Helmet set wire

Battery



Removal

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

1. Remove the seat. P. 63
2. Remove the battery holder by removing the bolt and washer.
3. Disconnect the negative ⊖ terminal from the battery.
4. Disconnect the positive ⊕ terminal from the battery.
5. Remove the battery, taking care not to drop the terminal nuts.

Installation

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

ED type

The alarm system will be deactivated if the battery is disconnected.
The system will remain off when the battery is reconnected.
To activate the system, see "Setting the Alarm System." ➡P. 28

For proper handling of the battery, see
"Maintenance Fundamentals." ➡P. 50
"Battery Goes Dead." ➡P. 85

Clip

Removal

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



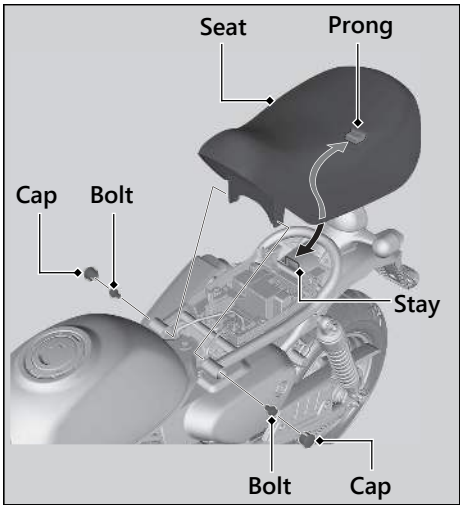
Installation

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.

Seat



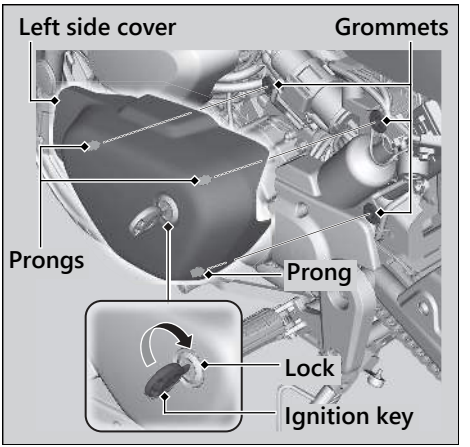
Removal

1. Remove the caps.
2. Remove the bolts.
3. Pull the seat up and backward.

Installation

1. Insert the prong into the stay on the frame.
2. Push forward and down on the rear of the seat until it is in place.
3. Install and tighten the bolts.
   ▶ Make sure that the seat is installed securely in position by pulling it up lightly.
4. Install the caps.

Left Side Cover



Removal

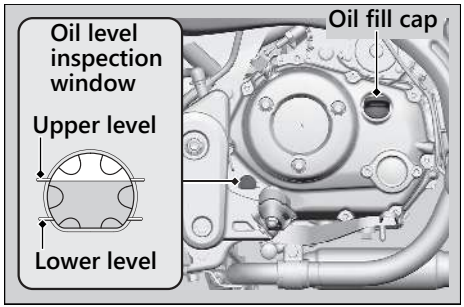
1. Insert the ignition key into the lock.
2. Carefully pull the left side cover out from the grommets while turning the ignition key clockwise.

Installation

1. Align the prongs with the grommets.
2. Push the left side cover into position while turning the ignition key clockwise.
   ▶ Make sure that the left side cover is locked securely in position by pulling it lightly.
3. Remove the ignition key.

Checking the Engine Oil

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



Adding Engine Oil

If the engine oil is below or near the lower level mark, add the recommended engine oil.
➡ P. 53, ➡ P. 107

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

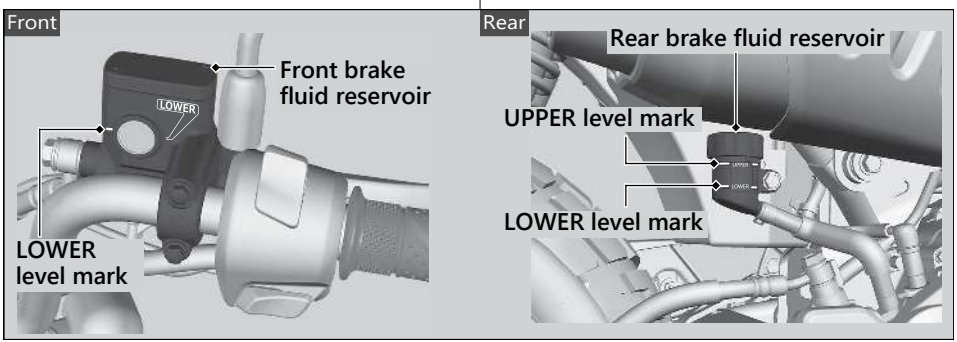
NOTICE
Overfilling with oil or operating with insufficient oil can cause damage to your engine. Do not mix different brands and grades of oil. They may affect lubrication and clutch operation.

For the recommended oil and oil selection guidelines, see "Maintenance Fundamentals."
➡ P. 53

Checking Brake Fluid

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

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



Inspecting the Brake Pads

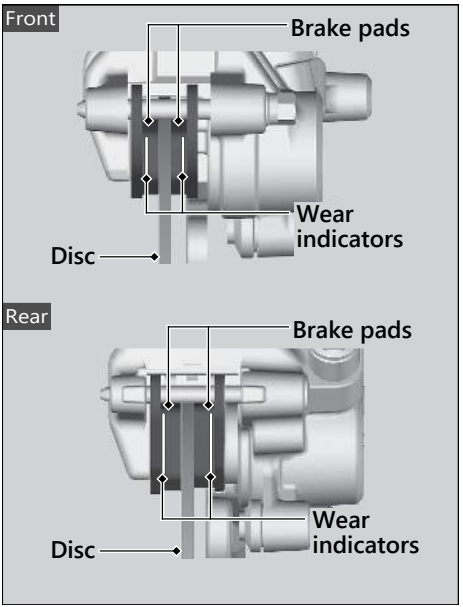
Check the condition of the brake pad wear indicators.

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

1. Front Inspect the brake pads from below the brake caliper.
2. Rear Inspect the brake pads from the rear right of the vehicle.

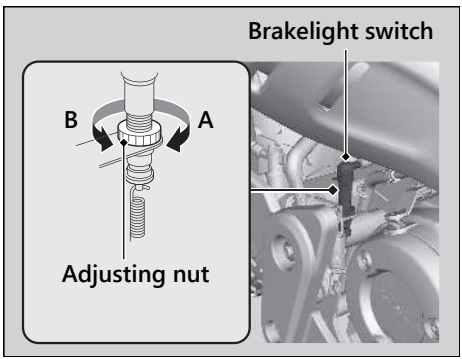
If necessary, have the pads replaced by your dealer.

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

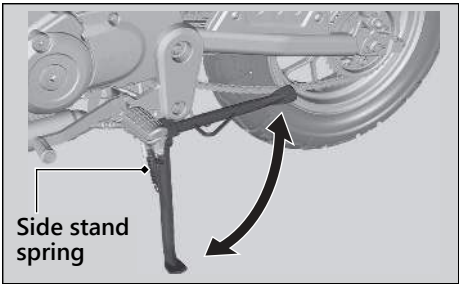


Adjusting the Brakelight Switch

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



Checking the Side Stand



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

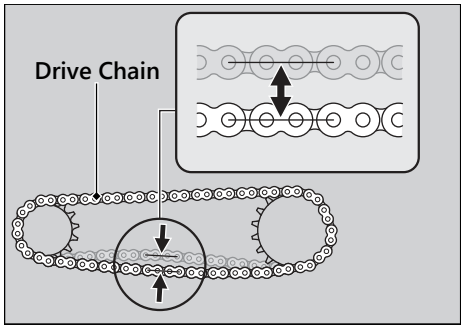
Inspecting the Drive Chain Slack

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

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

Drive chain slack:
30 - 40 mm (1.2 - 1.6 in)

▶ Do not ride your vehicle if the slack exceeds 50 mm (2.0 in).



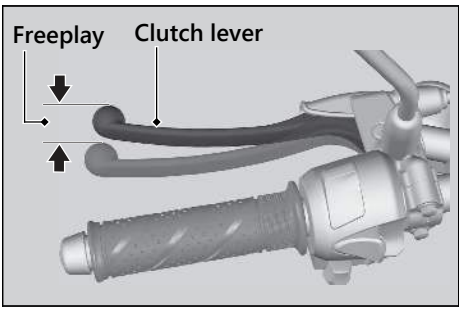
4. Roll the vehicle forward and check that the chain moves smoothly.
5. Inspect the sprockets. P. 54
6. Clean and lubricate the drive chain. P. 55

Checking the Clutch

Checking the Clutch Lever Freeplay

Check the clutch lever freeplay.

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



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

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

NOTICE

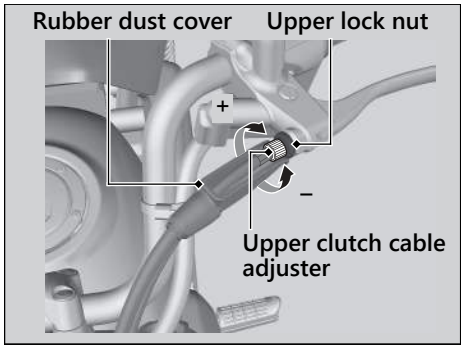
Improper freeplay adjustment can cause premature clutch wear.

Adjusting the Clutch Lever Freeplay

Upper Adjustment

Attempt adjustment with the upper clutch cable adjuster first.

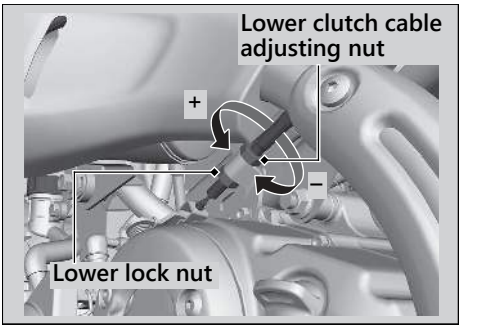
1. Pull back the rubber dust cover.
2. Loosen the upper lock nut.
3. Turn the upper clutch cable adjuster until the freeplay is 10 - 20 mm (0.4 - 0.8 in).
4. Tighten the upper lock nut and check the freeplay again.
5. Reinstall the rubber dust cover.



Lower Adjustment

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

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

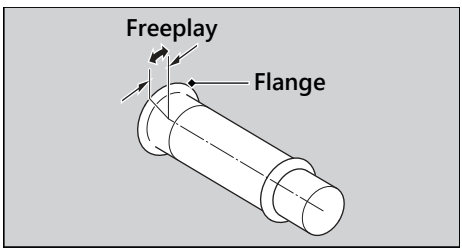


If proper adjustment cannot be obtained or the clutch does not work correctly, see your dealer.

Checking the Throttle

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

Freeplay at the throttle grip flange:
2 - 6 mm (0.1 - 0.2 in)



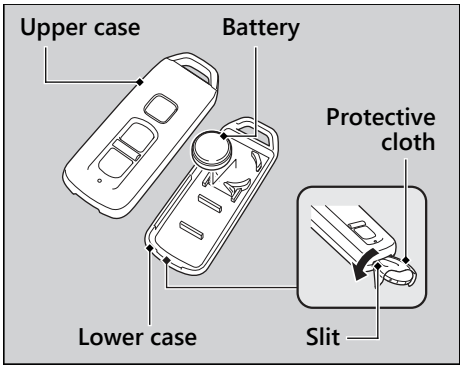
Replacing the Remote Transmitter Battery

ED type

When the remote transmitter battery begins to get weak, it may take several pushes on the button to operate the alarm system or answer back system, and the LED will get dim. Replace the battery as soon as possible. We recommend to see your dealer for this service.

Battery type: CR1632

1. Remove the upper case by carefully prying on the edge with a coin or a screw driver.
   - ▶ Wrap a coin or a screwdriver with a protective cloth to prevent scratching the remote transmitter.
   - ▶ Do not touch the circuit or terminal. This may cause problems.
   - ▶ Be careful to avoid scratching the waterproof covering or allowing dust to enter.
   - ▶ Do not forcibly dismantle the remote transmitter body.



2. Replace the old battery with a new battery with the negative ⊖ side facing up.
3. Snap the two halves of the remote transmitter back together.
   ▶ Make sure that upper and lower cases are set in the right position.

⚠WARNING

CHEMICAL BURN HAZARD

The battery that powers the remote transmitter can cause severe internal burns and can even lead to death if swallowed.

Keep new and used batteries away from children.

If you suspect that a child has swallowed the battery, seek medical attention immediately.

CAUTION

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not expose to excessive heat such as sunshine, fire or the like, that can result in an explosion or the leakage of flammable liquid or gas during use, storage or transportation.
- Do not dispose of a battery into fire or a hot oven, or give mechanically crushing or cutting of a battery, that can result in an explosion.
- Do not subject to extremely low air pressure at high altitude that may result in an explosion or the leakage of flammable liquid or gas.

Europe only

The battery is manufactured by:

- Maxell, Ltd.
  1 Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun, Kyoto 618-8525 Japan
- Panasonic Energy Co., Ltd.
  1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
- TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION
  1310 Omiya-cho, Saiwai-ku, Kawasaki, Kanagawa 212-0014, Japan

The battery is imported by:

Honda Motor Europe Ltd - Aalst Office
Wijngaardveld 1(Noord V), 9300 Aalst - Belgium



This product must not be treated as household waste.

Troubleshooting

Engine Will Not Start ..... P. 80
Warning Indicators On or Flashing ..... P. 81
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 81
ABS (Anti-lock Brake System) Indicator ..... P. 82
Other Warning Indications ..... P. 83
Fuel Gauge Failure Indication ..... P. 83
Tyre Puncture ..... P. 84
Electrical Trouble ..... P. 85
Battery Goes Dead ..... P. 85
Burned-out Light Bulb ..... P. 85
Blown Fuse ..... P. 86
Unstable Engine Operation Occurs Intermittently ..... P. 87

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. ➡P. 36
- Check that there is petrol in the fuel tank.
- Check if the PGM-FI malfunction indicator lamp (MIL) is on.
  ▶ If the indicator lamp is on, contact your dealer as soon as possible.

Starter Motor Does Not Operate

Check the following items:

- Check the correct engine starting sequence. ➡P. 36
- Make sure engine stop switch is in the ⟳ (Run) position. ➡P. 24
- Check for a blown fuse. ➡P. 86
- Check for a loose battery connection (➡P. 60) or battery terminal corrosion (➡P. 50).
- Check the condition of the battery. ➡P. 85

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

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

Reasons for the indicator lamp to come on or blink

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

What to do when the indicator lamp comes on

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

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.

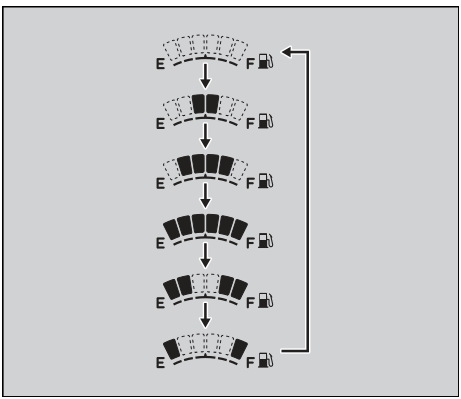
- Indicator comes on or starts flashing while riding.
- Indicator does not come on when the ignition switch is in the | (On) position.
- Indicator does not go off at speeds above 10 km/h (6 mph).

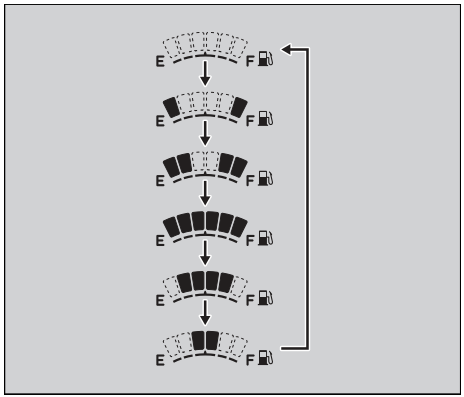
If the ABS indicator stays on, your brakes will continue to work as a conventional system, but without the anti-locking function.

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

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.





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.

Battery Goes Dead

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

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

Burned-out Light Bulb

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

Blown Fuse

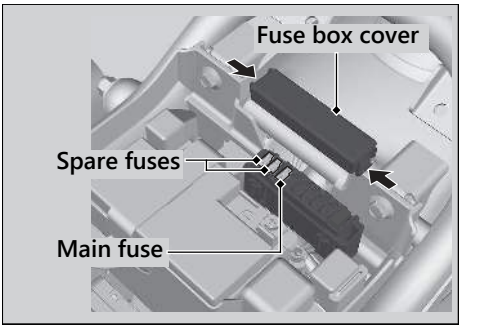
Before handling fuses, see "Inspecting and Replacing Fuses." P. 52

Fuse Box Fuses

1. Remove the seat. P. 63
2. Remove the fuse box cover.
3. Pull the fuses out one by one with the fuse puller in the tool kit and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
4. Reinstall the fuse box cover.
5. Reinstall the seat.

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

Service Diagnostic Recorders ..... P. 89
Keys ..... P. 90
Instruments, Controls, & Other Features ..... P. 95
Caring for Your Vehicle ..... P. 97
Storing Your Vehicle ..... P. 100
Transporting Your Vehicle ..... P. 101
You & the Environment ..... P. 102
Serial Numbers ..... P. 103
Fuels Containing Alcohol ..... P. 104
Catalytic Converter ..... P. 105

Service Diagnostic Recorders

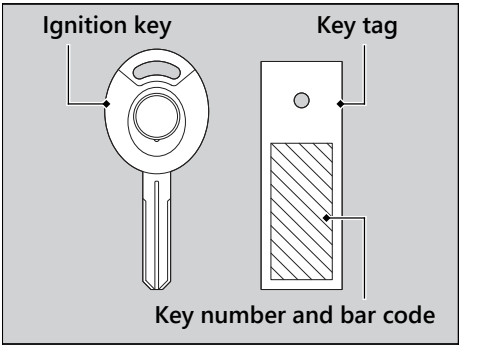
Your vehicle is equipped with service-related devices that record information about powertrain performance and riding conditions. The data can be used to help technicians diagnose, repair and maintain the vehicle. This data may not be accessed by anyone else except as legally required or with the permission 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 the key tag in a safe location. To make a duplicate key, take the spare key and the key tag to your dealer or a locksmith.
If you lose all ignition keys and the key tag, 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.



Remote Transmitter

ED type

The remote transmitter contains electronic circuits that are activated by the alarm system and answer back system. If the circuits are damaged, the remote transmitter will not be able to operate the alarm system and answer back system.

- Do not drop the remote transmitter or set heavy objects on them.
- Protect the remote transmitter from direct sunlight, high temperature, and high humidity.
- Do not scratch or puncture.
- Do not store near any magnetized products such as a magnetized key chain.
- Always keep the remote transmitter away from electric appliances such as a TV, radio, PC or low-frequency massage device.
- Keep the remote transmitter away from liquids. If it gets wet, dry it immediately with a soft cloth.
- Keep the remote transmitter away from the vehicle while washing the vehicle.
- Do not burn.
- Do not wash in the ultrasonic cleaner.
- If fuel, wax, or grease adhere to the remote transmitter, wipe it off immediately to avoid cracking or warping.
- Do not disassemble the remote transmitter other than when changing a battery. Only the cover of the remote transmitter can be disassembled. Do not disassemble other parts.
- Do not lose your remote transmitter. If you lose it, you will need to register a new remote transmitter. See your dealer for registration.

Continued

The alarm system and answer back system may not work properly in the following environments:

- There is strong electrical current nearby.
- You carry a cell phone, a laptop computer, or other electrical device.
- The remote transmitter is touching or covered by metal.

The battery in the remote transmitter normally lasts about 2 years.

Do not keep mobile phones or other radio transmitting devices in luggage box. The radio frequency from the devices will interrupt the alarm system and answer back system.

You should always keep the remote transmitter on your person.

Anyone in possession of the remote transmitter can operate the alarm system and answer back system.

To add an additional remote transmitter, take the remote transmitter and the vehicle to your dealer.

The remote transmitter uses low-intensity radio waves, so the operating range can be wider or narrower according to the circumstances.

Singapore only

Complies with IMDA Standards DA107248

Mexico only

ift

IFT HONIAB24-25651
IFT HONIAB24-25612

Israel only

"מספר אישור התאמה מטעם משרד התקשורת: " 56-06856
"מספר אישור התאמה מטעם משרד התקשורת: " 56-06857
"חל איסור לבצע פעולות במכשיר שיש בהן כדי לשנות את תכונותיו האלחוטיות של המכשיר, ובכלל זה שינויי תוכנה, החלפת אנטנה מקורית או הוספת אפשרות לחיבור לאנטנה חיצונית, בלא קבלת אישור משרד התקשורת, בשל החשש להפרעות אלחוטיות".

Europe only

Česk [Czech]	Společnost NIDEC MOBILITY CORPORATION tímto prohlašuje, že [ABRS4T, ABRS4R] dodržuje Nařízení 2014/53/EU. Podrobné informace naleznete na následující URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Dansk [Danish]	NIDEC MOBILITY CORPORATION erklærer herved, at [ABRS4T, ABRS4R] er i overensstemmelse med Direktiv 2014/53/EU. For detaljer, bedes du adgang til følgende webadresse: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Deutsch [German]	Hiermit erklärt NIDEC MOBILITY CORPORATION dass [ABRS4T, ABRS4R] in Übereinstimmung mit der Richtlinie 2014/53/EU steht. Für Einzelheiten grefen Sie auf folgende URL zu: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Eesti [Estonian]	Käesolevaga teatab NIDEC MOBILITYCORPORATION et [ABRS4T, ABRS4R] on kooskõlas Direktiiviga 2014/53/EL. Üksikasjade nägemiseks külastage võrguaadressi: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
English [English]	Hereby, NIDEC MOBILITY CORPORATION declares that [ABRS4T, ABRS4R] are in compliance with Directive 2014/53/EU. For details, please access the following URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Español [Spanish]	Por la presente, NIDEC MOBILITY CORPORATION declara que [ABRS4T, ABRS4R] cumple con la Directiva 2014/53/UE. Para más información, acceda a la siguiente URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Ελληνικά [Greek]	Με το παρον, η NIDEC MOBILITY CORPORATION δηλώνει ότι το [ABRS4T, ABRS4R] συμμορφώνονται με την Οδηγία 2014/53/ΕΕ. Για λεπτομέρειες, επισκεφτείτε την εξής ιστοσελίδα: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Français [French]	Par le présent document NIDEC MOBILITY CORPORATION déclare que [ABRS4T, ABRS4R] sont conformes à la Directive 2014/53/UE. Pour plus d'informations visitez la page suivante: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Italiano [Italian]	Con la presente, NIDEC MOBILITY CORPORATION dichiara che [ABRS4T, ABRS4R] sono conformi alla Direttiva 2014/53/UE. Per ulteriori dettagli, accedere al seguente URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Latviski [Latvian]	Ar šo uzņēmums NIDEC MOBILITY CORPORATION apstiprina, ka [ABRS4T, ABRS4R] atbilst Direktīvas 2014/53/ES prasībām. Detalizētu informāciju, lūdzu, skatiet šajā vietnē: URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Lietuviu [Lithuanian]	Šiuo dokumentu NIDEC MOBILITY CORPORATION pareiškia, kad [ABRS4T, ABRS4R] atitinka Direktyvą 2014/53/ES. Norėdami išsamesnės informacijos, apsilankykite šiuo URL adresu: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Nederlands [Dutch]	Hiermee verklaart NIDEC MOBILITY CORPORATION dat[ABRS4T, ABRS4R] in overeenstemming zijn met Richtlijn 2014/53/EU. Klik voor meer informatie op de onderstaande link: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Malti [Maltese]	NIDEC MOBILITY CORPORATION tiddikjara li [ABRS4T,ABRS4R] huma f'konformità mad-Direttiva 2014/53/UE. Għal dettalji jekk jogħġbok aċċessa l-URL li ġejja: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Magyar [Hungarian]	Alulírott, NIDEC MOBILITY CORPORATION kijelenti, hogy [ABRS4T, ABRS4R] megfelel a 2014/53/EU Irányelvnek. A részletekért nyissa meg a következő URL címzettet: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Polski [Polish]	NIDEC MOBILITY CORPORATION niniejszym oświadcza, że produkty [ABRS4T, ABRS4R] spełniają wymogi Dyrektywy 2014/53/UE. Szczegółowe informacje są dostępne pod następującym adresem URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Português [Portuguese]	Por isto, NIDEC MOBILITY CORPORATION declara que [ABRS4T, ABRS4R] estão em conformidade com a Directiva 2014/53/UE. Para mais detalles, favor aceder acessar ao seguinte URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Slovenski [Slovenian]	S tem podjetje NIDEC MOBILITY CORPORATION izjavlja, da so [ABRS4T, ABRS4R] v skladu z Direktivo 2014/53/EU. Za podrobnosti odprite naslednji URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Slovensko [Slovak]	Spoločnosť NIDEC MOBILITY CORPORATION týmto vyhlasuje, že [ABRS4T, ABRS4R] dodržiava Smernicu 2014/53/EU. Podrobné informácie nájdete na nasledujúcej URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy

Continued

Suomi [Finnish]	NIDEC MOBILITY CORPORATION ilmoittaa täten, että [ABRS4T, ABRS4R] noudattaa Direktiivin 2014/53/EU vaatimuksia. Saadaksesi lisätietoja, käytä seuraavaa URL-osoitetta: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Svenska [Swedish]	NIDEC MOBILITY CORPORATION. förklarar jag härmed att [ABRS4T, ABRS4R] är i enlighet med Direktiv 2014/53/EU. För detaljer vänligen använd följande webbläsare: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Íslenska [Icelandic]	Hér, NIDEC MOBILITY CORPORATION segir að [ABRS4T, ABRS4R] þeir eru í samræmi við Úrskurði 2014/53 / ESB. Fyrir frekari upplýsingar. vinsamlegast sögarg að eftirfarandi URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Norsk [Norwegian]	Herved NIDEC MOBILITY CORPORATION erklærer at [ABRS4T, ABRS4R] samsvar med Reglusjon 2014/53/EU. For ytterligere informasjon, vennligst sikk følgende URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Türk [Turkish]	NIDEC MOBILITY CORPORATION şirket [ABRS4T, ABRS4R] ürünlerinin 2014/53/EU Direktifi ile uyumlu olduğunu beyan eder. Ayrıntılar için lütfen aşağıdaki URL'ye erişin: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Româna [Romanian]	Prin prezenta, NIDEC MOBILITY CORPORATION declară că [ABRS4T, ABRS4R] sunt în conformitate cu Directiva 2014/53/UE. Pentru detalii, accesati următorul URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Български [Bulgarian]	С настоящия документ NIDEC MOBILITY CORPORATION декларира, че [ABRS4T, ABRS4R] съответстват с Директива 2014/53/ЕС. За подробности посетете следния адрес: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Hrvatski [Croatian]	Ovim putem tvrtka NIDEC MOBILITY CORPORATION izjavljuje da je [ABRS4T, ABRS4R] sukladna s Direktivom 2014/53/EU. Za pojedinosti posjetite sljedeći URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Македонски [Macedonian]	Со оттука, NIDEC MOBILITY CORPORATION изјавува дека [ABRS4T, ABRS4R] е во согласност со Директивата 2014/53/ЕУ. За поделални информации, отворете ја следната УРЛ: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Shqiptar [Albanian]	Këtu, NIDEC MOBILITY CORPORATION deklaron se [ABRS4T, ABRS4R] janë në përputhje me Direktivën 2014/53/EU. Për hollësi, ju lutem hapni URL-në e mëposhtme: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
Црногорски / Crnogorski [Montenegrin]	Ovim putem NIDEC MOBILITY CORPORATION izjavljujeda su [ABRS4T, ABRS4R] u skladu sa Odredbom 2014/53/EU. Za više detalja, pristupite sljedećoj URL adresi https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy
ქართული [Georgian]	ჯიბეებით NIDEC MOBILITY CORPORATION აცხადებს, რომ [ABRS4T, ABRS4R] აზრის 2014/53/EU დირექტივებით მოთხოვნებს. დამატებითი ინფორმაციისთვის ეწვიეთ შემდეგ ვებ-გვერდს: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy

Description(s) of frequency band(s) and maximum radio-frequency power transmitted in the frequency band(s) are included in the document at the full text of the EU declaration of conformity. Please access following URL: https://www.nidec.com/en/nidec-mobility/requipdocs/eudocy

Manufacturer:
NIDEC
NIDEC MOBILITY CORPORATION
8668 Nelson Circle, Mentor, Ohio 44060, USA

Importer:
HONDA
Honda Motor Europe Ltd
Cain Road, Bracknell, Berkshire, RG12 1HL, United Kingdom

SIMPLIFIED DECLARATION OF CONFORMITY	Hereby, NIDEC MOBILITY CORPORATION declares that [ABRS4T, ABRS4R] is in compliance with the relevant statutory requirements. For details, please access the following URL: https://www.nidec.com/en/nidec-mobility/requipdocs/ukdocy
	Frequency band(s) in which the radio equipment operates: ABRS4T : 433.92kHz ABRS4R : -
	Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: ABRS4T : 80dBμV/m[@3m] ABRS4R : -
	CAUTION Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

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.

Document Bag

The owner's manual, registration, and insurance information can be stored in the plastic document bag located in the inner left side cover. ➡P. 41

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.

High Beam Indicator

The high beam indicator will come on briefly due to the capacitor being discharged when the ignition switch is turned to the ▌(On) position immediately after the engine is stopped with the high beam.

Headlight

The headlight will come on briefly due to the capacitor being discharged when the headlight dimmer switch is operated immediately after the engine is stopped with the high beam.

Caring for Your Vehicle

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

Washing

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

1. Rinse your vehicle thoroughly using a low pressure garden hose to remove loose dirt.
2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
   ▶ Clean the headlight lens, panels, and other plastic components with extra care to avoid scratching them.
   Avoid directing water into the air cleaner, muffler, and electrical parts.
3. Thoroughly rinse your vehicle with plenty of clean water and dry with a soft, clean cloth.
4. After the vehicle dries, lubricate any moving parts.
   ▶ Make sure that no lubricant spills onto the brakes or tyres. Brake discs, pads, drum or shoes contaminated with oil will suffer greatly reduced braking effectiveness and can lead to a crash.
5. Lubricate the drive chain immediately after washing and drying the vehicle.
6. Apply a coat of wax to prevent corrosion.
   ▶ Avoid products that contain harsh detergents or chemical solvents. These can damage the metal, paint, and plastic on your vehicle.
   Keep the wax clear of the tyres and brakes.
   ▶ If your vehicle has any mat painted parts, do not apply a coat of wax to the mat painted surface.

Continued

Washing Precautions

Follow these guidelines when washing:

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

Aluminium Components

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

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

Panels

Follow these guidelines to prevent scratches and blemishes:

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

Exhaust Pipe and Muffler

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

Storing Your Vehicle

If you store your vehicle outdoors, you should consider using a full-body cover.
If you won't be riding for an extended period, follow these guidelines:

- Wash your vehicle and wax all painted surfaces (except mat painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. P. 55
- 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. 60) 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

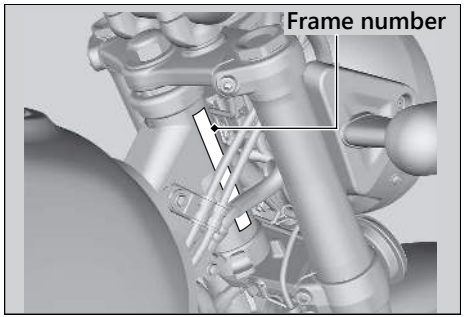
Use a biodegradable detergent when you wash your vehicle. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer.

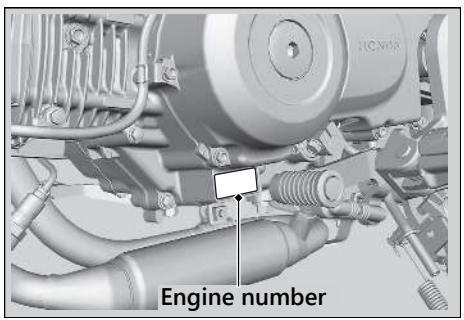
Recycle Wastes

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:

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

NOTICE

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

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

Catalytic Converter

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

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

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

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

■ Main Components

Overall length	1,710 mm (67.3 in)	
Overall width	**ED type**	755 mm (29.7 in)
	KO type	710 mm (28.0 in)
Overall height	1,030 mm (40.6 in)	
Wheelbase	1,145 mm (45.1 in)	
Minimum ground clearance	175 mm (6.9 in)	
Caster angle	25° 00′	
Trail	82 mm (3.2 in)	
Curb weight	105 kg (231 lb)	
Maximum weight capacity *1	106 kg (234 lb)	
Maximum luggage weight	**ED type**	3 kg (7 lb)
Passenger capacity	Rider only	
Minimum turning radius	1.9 m (6.2 ft)	

*1 : Including rider and accessories.

Displacement	124 cm³ (7.6 cu-in)	
Bore x stroke	50.0 x 63.1 mm (1.97 x 2.48 in)	
Compression ratio	10.0 : 1	
Fuel	Unleaded petrol Recommended: 91 RON or higher	
Fuel containing alcohol	ETHANOL up to 10 % by volume	
Tank capacity	5.6 L (1.48 US gal, 1.23 Imp gal)	
Battery	YTZ5S 12 V-3.5 Ah (10 HR) / 3.7 Ah (20 HR)	
Gear ratio	1st	2.846
	2nd	1.777
	3rd	1.315
	4th	1.034
	5th	0.843
Reduction ratio (primary / final)	3.040 / 2.642	

Service Data

Tyre size	Front	120/80-12 65J
	Rear	130/80-12 69J
Tyre type		Bias-ply, tubeless
Recommended Tyre	Front	Vee Rubber V133
	Rear	Vee Rubber V133
Tyre category of use *1	Normal	Permitted
	Special	Not Permitted
	Snow	Not Permitted
	Moped	Not Permitted
Tyre air pressure	Front	200 kPa (2.00 kgf/cm^2, 29 psi)
	Rear	200 kPa (2.00 kgf/cm^2, 29 psi)
Spark plug	(standard)	CPR7EA-9S (NGK)

*1 : EU regulation

Spark plug gap	0.8 - 0.9 mm (0.031 - 0.035 in)	
Idle speed	1,400 ± 100 rpm	
Recommended engine oil	Honda 4-stroke motorcycle oil API Service Classification SJ or higher, excluding oils marked as "Energy Conserving" or "Resource Conserving," SAE 10W-30, JASO T 903 standard MA	
Engine oil capacity	After draining	0.90 L (0.95 US qt, 0.79 Imp qt)
	After draining & engine oil filter change	0.90 L (0.95 US qt, 0.79 Imp qt)
	After disassembly	1.05 L (1.11 US qt, 0.92 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 - 40 mm (1.2 - 1.6 in)	
Standard drive chain	DID420D3	
	No. of links 98	
Standard sprocket size	Drive sprocket	14T
	Driven sprocket	37T

Bulbs

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

Fuses

Main fuse	15 A
Other fuse	15 A, 10 A

Online Owner's Manual
https://www.hondamotopub.com/

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