OWNER'S MANUAL

2023 NC750X

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

This publication includes the latest production information available before printing. Honda Motor Co., Ltd. reserves the right to make changes at any time without notice and without incurring any obligation.

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

Welcome

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

To ensure your safety and riding pleasure:

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

To protect your investment, we urge you to take responsibility for keeping your vehicle well-serviced and maintained. Also, observe the break-in guidelines and always perform the pre-ride inspection and other periodic checks in this manual.

When service is required, remember that your Honda dealer knows your vehicle best. If you have the required mechanical "know-how" and tools, you can purchase an official Honda Service Manual to help you perform many maintenance and repair tasks. ➡P. 172

Read the warranty information thoroughly so that you understand the warranty coverage and are aware of your rights and responsibilities. ➡P. 173
You may also want to visit our website at www.powersports.honda.com.
Canada www.honda.ca.
Happy riding!

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 judgment.

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

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

⚠DANGER

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

⚠WARNING

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

⚠CAUTION

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

Other important information is provided under the following titles:

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

Contents

Vehicle Safety P. 2

Operation Guide P. 18

Maintenance P. 99

Troubleshooting P. 141

Information P. 154

Specifications P. 180

Vehicle Safety

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

Safety Guidelines ..... P. 3
Safety Labels ..... P. 7
Safety Precautions ..... P. 9
Riding Precautions ..... P. 10
Accessories & Modifications ..... P. 15
Loading ..... P. 16

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. 9

Before Riding

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

Take Time to Learn & Practice

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

We recommend that all riders take a certified course approved by the Motorcycle Safety Foundation (MSF) or a state approved training course. New riders should start with the basic course, and even experienced riders will find the advanced course beneficial.
For information about the MSF training course nearest you, call the national toll-free number: (800) 446-9227.

USA Other riding tips can be found in the You and Your Motorcycle Riding Tips booklet that came with your vehicle.

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 judgment 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. 16), and do not modify your vehicle or install accessories that would make your vehicle unsafe (P. 15).

If You are Involved in a Crash

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

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

Emergency Shut-down Procedure for Vehicles Equipped with Dual Clutch Transmission

NC750XD

Unlike standard vehicles, or its manual transmission sibling, the NC750XD with dual-clutch transmission does not have a clutch lever that would provide you with an additional means to control the engine power being transmitted to the rear wheel. Thus, in the unlikely event that you experience a stuck throttle or other unintended application of power to the rear wheel, you should shut down the engine by use of the engine stop switch (P. 74). By moving this switch to the ⊠ (Stop) position, you will immediately stop the engine but maintain all electrical system functions, including lights and indicators.

Continued

Carbon Monoxide Hazard

Exhaust contains poisonous carbon monoxide, a colorless, 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.

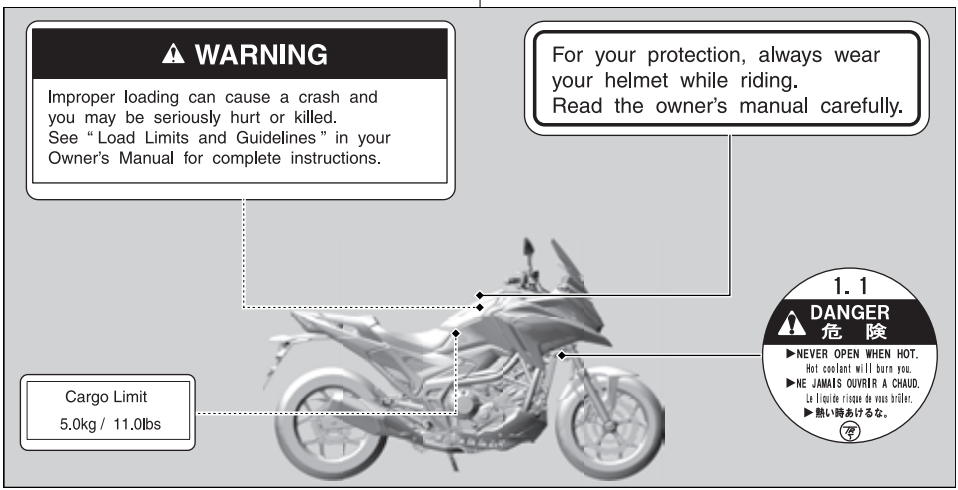
Breathing this colorless, odorless gas can quickly cause unconsciousness and lead to death.

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

Safety Labels

Safety and information labels on your vehicle provide important safety information and may warn you of potential hazards that could cause serious injury. Read these labels carefully and don't remove them.

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



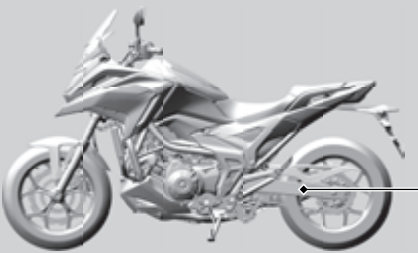
Continued

TIRE INFORMATION				
Cold tire pressures		kPa	kgf/cm²	psi
Up to maximum weight capacity	Front	250	2.50	36
	Rear	290	2.90	42
Up to 90kg(200lbs) load	Front	250	2.50	36
	Rear	290	2.90	42
Tire size	Front	120/70ZR17M/C(58W)		
	Rear	160/60ZR17M/C(69W)		
Minimum recommend tire center tread depth.	Front	1.5mm (0.06in.)		
	Rear	2.0mm (0.08in.)		
Maximum weight capacity		195kg(430lbs)		

DRIVE CHAIN

Keep chain adjusted and lubricated.
30 mm (1 1/4 in.) Freeplay

Read owner's manual.



Safety Precautions

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

Protective Apparel

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

Helmet

Should be safety-standard certified, high-visibility, and the 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

USA Look for a DOT (Department of Transportation) certification label on any helmet you buy.

⚠WARNING

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

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

Gloves

Full-finger leather gloves with high abrasion resistance

Boots or Riding Shoes

Sturdy boots with non-slip soles and ankle protection

Continued

Jacket and Pants

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

Riding Precautions

Break-in Period

During the first 300 miles (500 km) 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 tires slip more easily on such surfaces and braking distances are longer.
- Avoid continuous braking.
  ▶ Repeated braking, such as when descending long, steep slopes can seriously overheat the brakes, reducing their effectiveness. Use engine braking with intermittent use of the brakes to reduce speed.
- For full braking effectiveness, operate both the front and rear brakes together.

Anti-lock Brake System (ABS)

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

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

Engine Braking

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

Wet or Rainy Conditions

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

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

Continued

Parking

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

Parking with the Side Stand

1. Stop the engine.
2. Push the side stand down.
3. Slowly lean the vehicle to the left until its weight rests on the side stand.
4. Turn the handlebar fully to the left.
   ▶ Turning the handlebar to the right reduces stability and may cause the vehicle to fall.
5. Turn the ignition switch to the LOCK position and remove the key. ➔P. 75

Refueling and Fuel Guidelines

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

- Use only unleaded gasoline.
- Use the recommended octane number. Using lower octane gasoline will result in decreased engine performance.
- Do not use fuels containing a high concentration of alcohol. ➔P. 171
- Do not use stale or contaminated gasoline or an oil/gasoline mixture.
- Avoid getting dirt or water in the fuel tank.

Continued

Honda Selectable Torque Control

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

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

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

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

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

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

Accessories & Modifications

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

⚠WARNING

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

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

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

Loading

- Carrying extra weight affects your vehicle's handling, braking and stability.
  Always ride at a safe speed for the load you are carrying.
- Avoid carrying an excessive load and keep within specified load limits.
  Maximum weight capacity / Maximum luggage weight P. 180
- Tie all luggage securely, evenly balanced, and close to the center of the vehicle.
- Do not place objects near the lights or the muffler.

⚠WARNING

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

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

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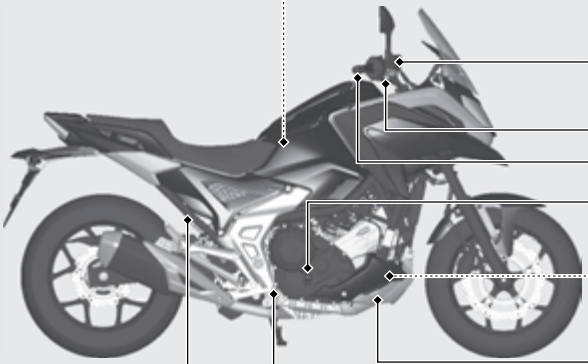
Parts Location

NC750XA



Battery P.120

Main fuse P.153

Fuse box P.152

Front brake fluid reservoir P.130

Front brake lever P.139

Throttle grip P.138

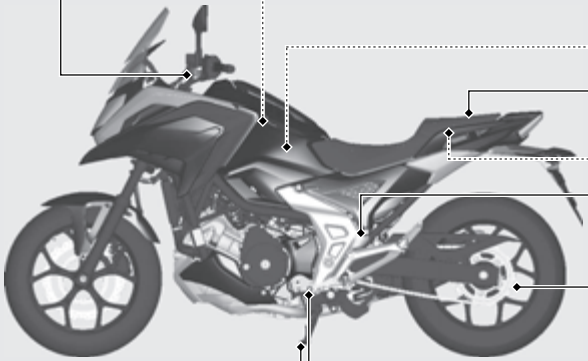
Engine oil fill cap/dipstick P.126

Coolant reserve tank P.128

Lower cowl P.123

Rear brake pedal

Rear brake fluid reservoir P.130



Clutch lever P.135

Luggage box P.96

Maintenance lid P.125

Rear seat P.94

Fuel fill cap P.94

Rear suspension spring preload adjuster P.140

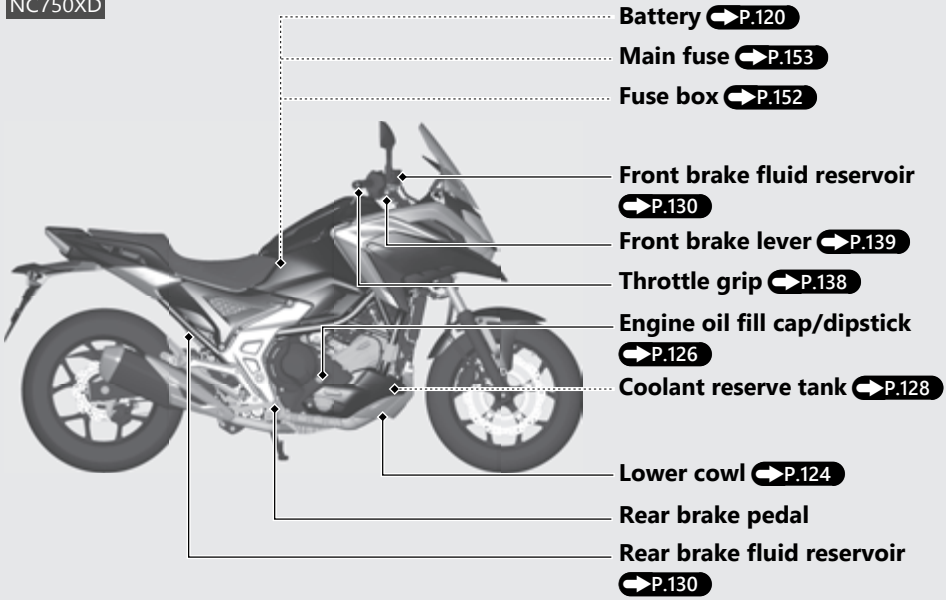
Drive chain P.134

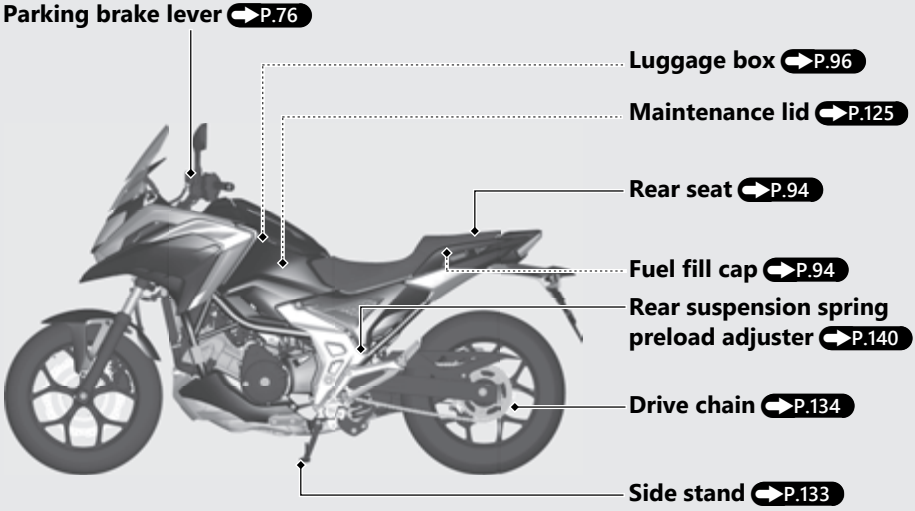
Shift lever P.87

Side stand P.133

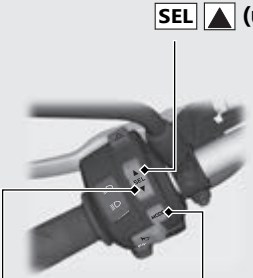
Parts Location *(Continued)*

NC750XD




Parking brake lever P.76
Luggage box P.96
Maintenance lid P.125
Rear seat P.94
Fuel fill cap P.94
Rear suspension spring preload adjuster P.140
Drive chain P.134
Side stand P.133

Instruments



Display Check

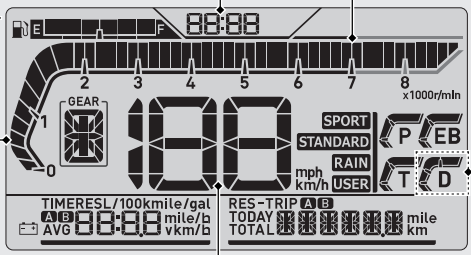
When the ignition switch is turned to the ON position, all the mode and digital segments will show. If any part of these displays does not come on when it should, have your dealer check for problems.

NC750XA

The D level will not be displayed.*

Clock (12-hour or 24-hour display)
To set the clock: P.47

Tachometer red zone
(excessive engine rpm range)



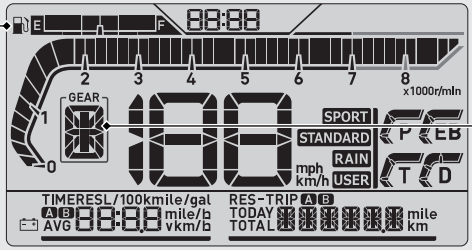
D level*

Speedometer

Tachometer

NOTICE

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



Fuel gauge

Remaining fuel when only 1st (E) segment starts flashing: approximately 0.79 US gal (3.0 L)

The reserve tripmeter display and reserve fuel consumption display show at the same time.

If the fuel gauge indicator flashes in a repeat pattern or turns off: P.149

Gear position indicator

NC750XA

The gear position is shown in the gear position indicator.

▶ Neutral (N) is not displayed when the transmission is in neutral position.

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

NC750XD

The gear position is shown in the gear position indicator.
The indicator may flash if:

▶ The front wheel leaves the ground.

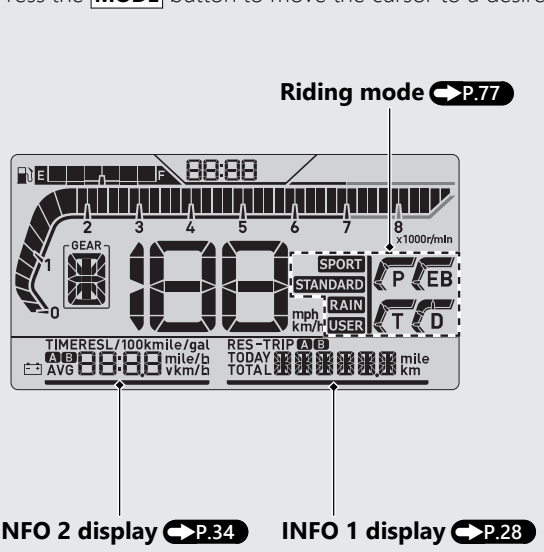
▶ You turn the wheel while the vehicle is upright on the stand.

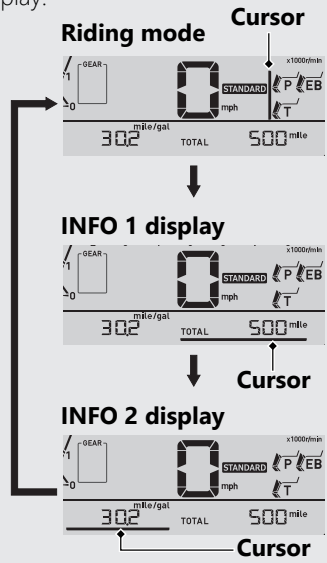
This is normal. To operate the system again, turn the ignition switch to the OFF position, and then to the ON position again.

If the "-" indicator is blinking in the gear position window while riding: P.148

Instruments *(Continued)*

Press the **MODE** button to move the cursor to a desired display.





LCD backlight brightness switching

The brightness of the display can be switched to H (high) or L (low).

When the **SEL** ▲ (up) button is pressed and held, the following display appears and the brightness is set.

► You can also adjust the H (high) or L (low) brightness level. P.48 P.49

H (high) **L (low)**

Instruments *(Continued)*

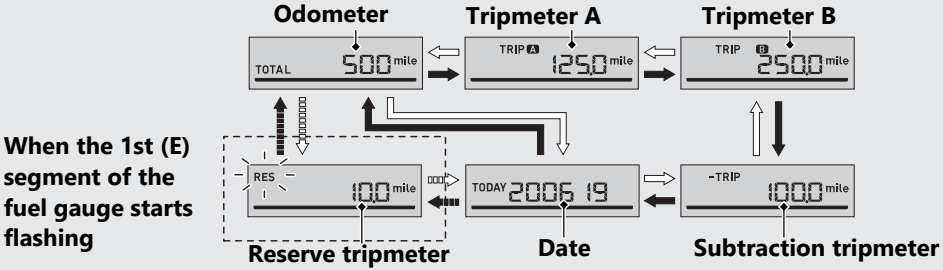
INFO 1 display

You can select the following:

- Odometer [TOTAL]
- Tripmeter [TRIP A/B]
- Subtraction tripmeter [-TRIP]
- Date [TODAY]
- Reserve tripmeter [RES]

Changing the INFO 1 display

1. Select the INFO 1 display. P.26
2. Press the SEL ▲ (up) or the SEL ▼ (down) button until the desired indication is displayed.
3. Press the MODE button. The INFO 1 display is set, and then the cursor moves to the INFO 2 display.



When the 1st (E) segment of the fuel gauge starts flashing, the INFO 1 display switches to the reserve tripmeter.

Instruments *(Continued)*

Odometer [TOTAL]

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

Tripmeter A/B [TRIP A/B]

Distance ridden since the tripmeter was reset.
When "----.-" is displayed, go to your dealer for service.
► **To reset the tripmeter:** P.32

Subtraction Tripmeter [-TRIP]

Distance travelled is subtracted from a preset figure, since the subtraction trip was set up.
Display range: 9999.0 to -6,214.9 mile or 1,6088.3 to -9,999.9 km
The display flashes at "-6214.9" mile ("-9999.9" km) when the read-out exceeds -6214.9 mile (-9999.9 km).
► **To reset the subtraction tripmeter:** P.33

Date [TODAY]

To set the date: P.46

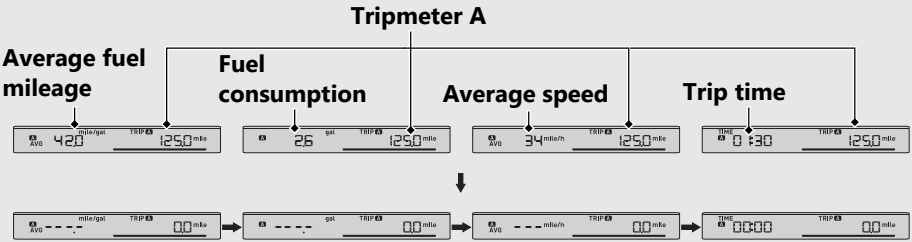
Reserve tripmeter [RES]

Distance ridden since the 1st (E) segment of the fuel gauge starts flashing.
When the 1st (E) segment of the fuel gauge starts flashing, the INFO 1 display switches to the reserve tripmeter. You should refill the tank as soon as possible.
Display range: 0.0 to 9999.9 mile (km)
When "----.- " is displayed, go to your dealer for service.
After refueling more than the reserve amount, the display returns to normal.

Instruments *(Continued)*

To reset the tripmeter, average fuel mileage, fuel consumption, average speed and trip time

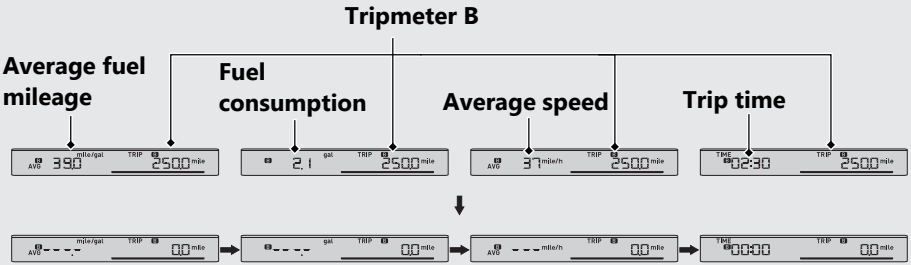
To reset the tripmeter A, average fuel mileage, fuel consumption, average speed and trip time (these are based on tripmeter A) together, press and hold the **MODE** button while tripmeter A or odometer and average fuel mileage, fuel consumption, average speed or trip time is displayed.



Then, the display will return to the previous selection.

The tripmeter A, average fuel mileage, fuel consumption, average speed and trip time will automatically reset when you refuel until the fuel gauge reaches two segments or more and the vehicle is ridden for at least 0.06 miles (0.1 km). You can activate or deactivate the automatic reset mode. P.50

To reset tripmeter B, average fuel mileage, fuel consumption, average speed and trip time (these are based on tripmeter B) together, press and hold the **MODE** button while tripmeter B is displayed.



Then, the display will return to the previous selection.

To reset the subtraction tripmeter

To reset the subtraction tripmeter, press and hold the **MODE** button while the subtraction tripmeter is displayed.

▶ The display returns to the set value.

Instruments *(Continued)*

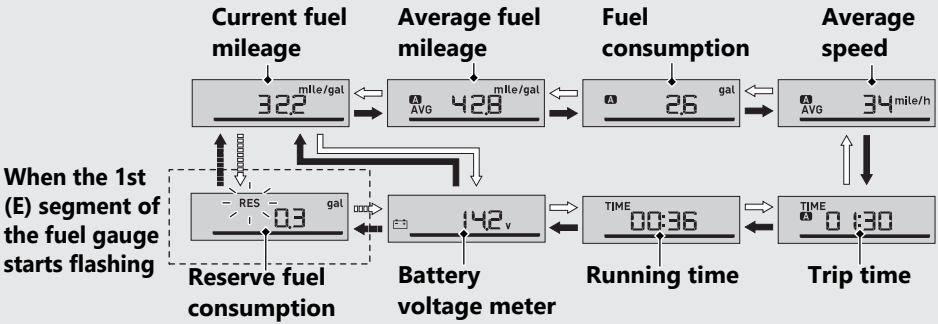
INFO 2 display

You can select the following:

- Current fuel mileage
- Average fuel mileage
- Fuel consumption
- Average speed
- Trip time
- Running time
- Battery voltage meter
- Reserve fuel consumption

Changing the INFO 2 display

1. Select the INFO 2 display. P.26
2. Press the SEL ▲ (up) or the SEL ▼ (down) button until the desired indication is displayed.
3. Press the MODE button. The INFO 2 display is set, and then the cursor moves to the riding mode display.



→ Press the SEL ▲ (up) button
⇒ Press the SEL ▼ (down) button
⇢ Press the SEL ▲ (up) button when the 1st (E) segment of the fuel gauge starts flashing
⇢ Press the SEL ▼ (down) button when the 1st (E) segment of the fuel gauge starts flashing

Instruments *(Continued)*

When the 1st (E) segment of the fuel gauge starts flashing, the current fuel mileage, average fuel mileage, fuel consumption, average speed or trip time switches to the reserve fuel consumption.

Current fuel mileage

Displays the current or instant fuel mileage.
Display range: 0.0 to 300.0 mile/gal (km/L, L/100km or mile/L)

- When your speed is less than 3 mph (5 km/h): "---.-" is displayed.
- More than 300.0 L/100km: "---.-" is displayed.

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

Average fuel mileage

Displays the average fuel mileage since the selected tripmeter was reset.
The average fuel mileage will be calculated based on value displayed on the tripmeter (A or B) selected. When the tripmeter B is selected on the INFO 1 display, the average fuel mileage of the tripmeter B is displayed. Except for the above, the average fuel mileage of the tripmeter A will be displayed.
Display range: 0.0 to 300.0 mile/gal (km/L, L/100km or mile/L)

- More than 300.0 L/100km: "---.-" is displayed.
- Initial display: "---.-" is displayed.
- When the tripmeter A or B is reset: "---.-" is displayed.

When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.
To reset the average fuel mileage: P.32

Instruments *(Continued)*

Fuel consumption

Displays the fuel consumption since the selected tripmeter was reset.
The fuel consumption will be calculated based on value displayed on the tripmeter (A or B) selected. When the tripmeter B is selected on the INFO 1 display, the fuel consumption of the tripmeter B is displayed. Except for the above, the fuel consumption of the tripmeter A will be displayed.
Display range: 0.0 to 300.0 gal (gallon) or 0.0 to 300.0 L (litres)

- When the tripmeter A or B is reset: "---.-" is displayed.

When "---.-" is displayed except for the above-mentioned cases, go to your dealer for service.
To reset the fuel consumption: P.32

Average speed

Display range: 0 to 124 mph (0 to 199 km/h)

The average speed will be calculated based on value displayed on the tripmeter (A or B) selected. When the tripmeter B is selected on the INFO 1 display, the average speed of the tripmeter B is displayed. Except for the above, the average speed of the tripmeter A will be displayed.

- Initial display: "---" is displayed.
- When the tripmeter A or B has traveled less than 0.12 mile (0.2 km) since the engine was started: "---" is displayed.
- When the tripmeter A or B operating time is less than 15 seconds since the engine was started: "---" is displayed.

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

To reset the average speed: P.32

Instruments *(Continued)*

Trip time

Displays the operating time since the selected tripmeter was reset.
The trip time will be calculated based on value displayed on the tripmeter (A or B) selected. When the tripmeter B is selected on the INFO 1 display, the trip time of the tripmeter B is displayed. Except for the above, the trip time of the tripmeter A will be displayed.
Display range: 00:00 to 99:59 (hours:minutes)

- The trip time will return to 00:00 when the readout exceeds 99:59.

To reset the trip time: P.32

Running time

Shows the operating time since the engine was started.
Display range: 00:00 to 99:59 (hours:minutes)

- The running time will return to 00:00 when the readout exceeds 99:59.
- When the ignition switch is turned to the OFF position, the running time is reset.

Battery voltage meter

Displays the current battery voltage.

Reserve fuel consumption

Displays the fuel consumption since the 1st (E) segment of the fuel gauge starts flashing. When the 1st (E) segment of the fuel gauge starts flashing, the current fuel mileage, average fuel mileage, fuel consumption, average speed, trip time, running time or battery voltage meter switches to the reserve fuel consumption. You should refill the tank as soon as possible.
Display range: 0.0 to 300.0 gal (gallon) or 0.0 to 300.0 L (litres)

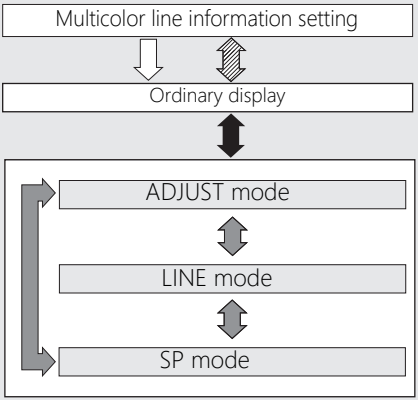
- Flashes from "0.0" gal or L.
  - ▶ When the amount of consumed fuel is more than 0.42 US gal (1.6 L), the RES mark on the display blinks faster.

After refueling more than the reserve amount, the display returns to normal.

Instruments *(Continued)*

Display Setting

Select the items you want to set from the following setting modes.



➡ Press and hold the **SEL** ▲ (up) or the **SEL** ▼ (down) button and the **MODE** button

⇨
- Press the **MODE** button
- Press and hold the **MODE** button
- Press and hold the **SEL** ▲ (up) button

⇛ Press and hold the **SEL** ▼ (down) button

➡ Press the **SEL** ▲ (up) or the **SEL** ▼ (down) button

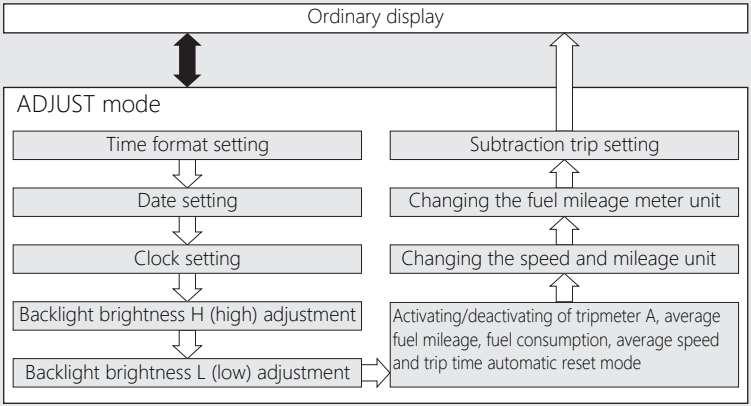
To set the ADJUST mode, LINE mode or SP mode, press the **MODE** button.
If the ignition switch is turned to the OFF position, or if none of the **MODE**, **SEL** ▲ (up) or **SEL** ▼ (down) buttons are pressed for about 30 seconds, the control will automatically switch from the setting mode to the ordinary display.

ADJUST mode

The following items can be changed sequentially.

- Time format setting
- Date setting
- Clock setting
- Backlight brightness H (high) adjustment
- Backlight brightness L (low) adjustment
- Activating/deactivating of tripmeter A, average fuel mileage, fuel consumption, average speed and trip time automatic reset mode
- Changing the speed and mileage unit
- Changing the fuel mileage meter unit
- Subtraction trip setting

Instruments *(Continued)*



➡ Press and hold the **SEL** ▲ (up) or the **SEL** ▼ (down) button and the **MODE** button

⇨ Press the **MODE** button

If the ignition switch is turned to the OFF position, or if none of the **MODE**, **SEL** ▲ (up) or **SEL** ▼ (down) buttons are pressed for about 30 seconds, the control will automatically switch from the setting mode to the ordinary display.
If the buttons are not pressed for about 30 seconds, items in the process of being set will be discarded and only items where settings have been finalized will be applied.
If the ignition switch is turned to the OFF position, items in the process of being set will be finalized.

1 Time format setting:
You can switch the time format between 12 hour format or 24 hour format.

1. Turn the ignition switch to the ON position.
2. Select the ADJUST mode. P.42
   ► The current time format starts flashing.
3. Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to select "12hr" or "24hr".

4. Press the **MODE** button. The time format is set, and then the display moves to the date setting.

Instruments *(Continued)*

2 Date setting:

1. Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button until the desired year is displayed.
   - ▶ Press and hold the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to advance the year fast.

2. Press the **MODE** button. The month digits start flashing.

3. Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button until the desired month is displayed.
   - ▶ Press and hold the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to advance the month fast.

4. Press the **MODE** button. The day digits start flashing.

5. Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button until the desired day is displayed.
   - ▶ Press and hold the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to advance the day fast.

6 Press the **MODE** button. The date is set, and the display moves to the clock setting.

3 Clock setting:

1 Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button until the desired hour is displayed.

► Press and hold the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to advance the hour fast.

2 Press the **MODE** button. The minute digits start flashing.

Instruments *(Continued)*

❸ Press the SEL ▲ (up) button or the SEL ▼ (down) button until the desired minute is displayed.

► Press and hold the SEL ▲ (up) button or the SEL ▼ (down) button to advance the minute fast.

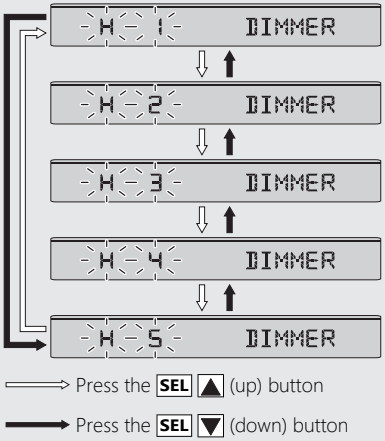
❹ Press the MODE button. The clock is set, and then the display moves to the backlight brightness H (high) adjustment.

4 Backlight brightness H (high) adjustment:

You can adjust the brightness to one of five levels.

❶ Press the SEL ▲ (up) button or the SEL ▼ (down) button. The brightness is switched.

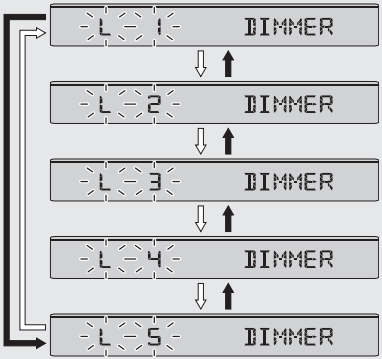
❷ Press the MODE button. The brightness H (high) is set, and then the display moves to the backlight brightness L (low) adjustment.



5 Backlight brightness L (low) adjustment:

You can adjust the brightness to one of five levels.

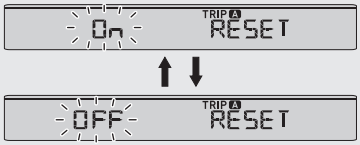
1. Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button. The brightness is switched.
2. Press the **MODE** button. The brightness L (low) is set, and then the display moves to activating/deactivating of tripmeter A, average fuel mileage, fuel consumption, average speed and trip time automatic reset mode.



6 Activating/deactivating of tripmeter A, average fuel mileage, fuel consumption, average speed and trip time automatic reset mode:

You can activate or deactivate the automatic reset mode (trip time is automatically reset by refueling until the fuel gauge reaches two segments or more and you ride your vehicle for at least 0.06 mile (0.1 km).) The default setting is "On".

❶ Press the SEL ▲ (up) button or the SEL ▼ (down) button to select "On"(activate) or "OFF" (deactivate) in the automatic reset mode.

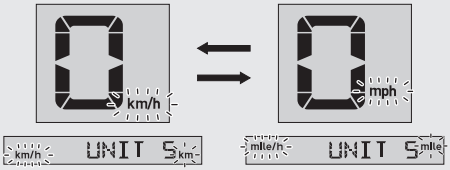


❷ Press the **MODE** button. The activation/deactivation of automatic reset mode is set, and then the display moves to the changing of the speed and mileage unit.

7 Changing the speed and mileage unit:

❶ Press the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to select either “km/h” & “km” or “mph” & “mile” & “mile/h”.

► The message of "UNIT SPEED" scrolls in INFO 1 display.

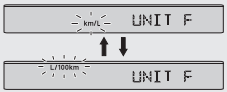


❷ Press the **MODE** button. The speed and mileage unit is set, and then the display moves to the changing of the fuel mileage meter unit.

Instruments *(Continued)*

8 Changing the fuel mileage meter unit:

1. Press the SEL ▲ (up) button or the SEL ▼ (down) button to select "L/100km" or "km/L".
   - ► The message of "UNIT FUEL CON" scrolls in INFO 1 display.



If the "mph" for speed and "mile" for mileage are selected, the fuel mileage will be shown as "mile/gal" or "mile/L".

2. Press the MODE button. The fuel mileage meter unit is set, and then the display moves to the subtraction trip setting.

9 Subtraction trip setting:

You can adjust the value of the subtraction trip.

1. The preset figure is displayed and the fourth digit will be flashing.

2. Press the SEL ▲ (up) button or the SEL ▼ (down) button until the desired figure appears.
   - ► Press and hold the SEL ▲ (up) button or the SEL ▼ (down) button to advance the figure fast.
   - ► Available setting range: 9,999.0 to 0.0 mile (km)
3. Press the MODE button. The third digit starts flashing.

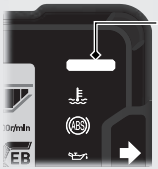
❹ Repeat the steps ❷ and ❸ for the second and first digits.
❺ Press the **MODE** button. The trip distance is set, and then the display will return to the ordinary display.

Instruments *(Continued)*

LINE mode

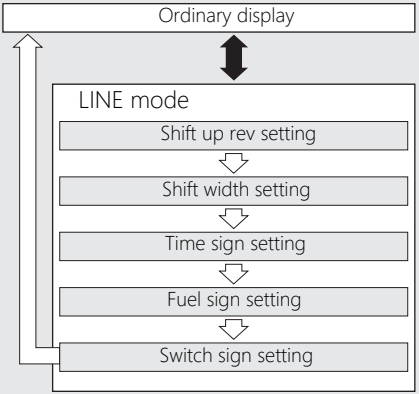
The following items can be changed sequentially.

- Shift up rev setting
- Shift width setting
- Time sign setting
- Fuel sign setting
- Switch sign setting



➡Press and hold the **SEL** ▲ (up) or the **SEL** ▼ (down) button and the **MODE** button

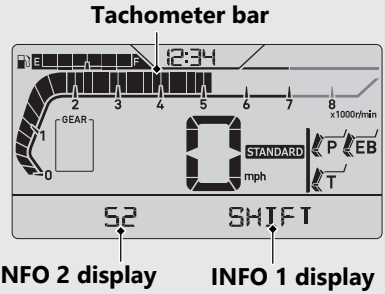
⇨Press the **MODE** button



1 Shift up rev setting

You can adjust the shift up point.

1. Turn the ignition switch to the ON position.
2. Select the LINE mode. P.42
   - The tachometer bar and RPM value (x 100) in INFO 2 display start flashing, and the message of "SHIFT REV" scrolls in INFO 1 display.



3. Each time the **SEL** ▲ (up) button or the **SEL** ▼ (down) button is pressed, the tachometer bar and RPM value in INFO 2 display increase or decrease by 200 r/min (rpm) (one segment). When the set value exceeds the allowable range, the set value automatically returns to 4,000 r/min (rpm) or 7,000 r/min (rpm).
   - Press and hold the **SEL** ▲ (up) button or the **SEL** ▼ (down) button to advance the RPM fast.
   - Available setting range: 4,000 to 7,000 r/min (rpm)
4. Press the **MODE** button. The shift up rev is set, and then the display moves to the shift width setting.

Instruments *(Continued)*

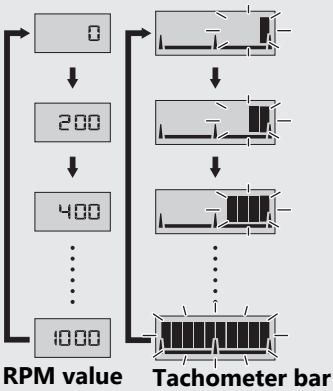
2 Shift width setting

You can set the interval at which the tachometer flashes to indicate the RPM has reached a shift up point.

The INFO 2 display starts flashing, and the message of "SHIFT WIDTH" scrolls in INFO 1 display.

❶ Each time the SEL ▲ (up) button or the SEL ▼ (down) button is pressed, the tachometer bar and numerical of tachometer on INFO 2 display increase or decrease by 200 r/min (rpm). When the set value exceeds the allowable range, the set value automatically returns to 0 r/min (rpm) or 1,000 r/min (rpm).

- ▶ Press and hold the SEL ▲ (up) button or the SEL ▼ (down) button to advance the RPM fast.
- ▶ Available setting range: 0 to 1,000 r/min (rpm) (10 segments)
- ▶ Initial setting: 600 r/min (rpm)



Ex: When shift up rev setting is 6,000 r/min (rpm) and shift width setting is 600 r/min (rpm).

When the multicolor line information is set to Rev up linkage mode (white color mode)
P.63

Multicolor line	r/min (rpm)
Blinks	4,800
Blinks fast	5,400
Blinks faster	6,000

When the multicolor line information is set to Rev up linkage mode (color mode) P.64

Multicolor line	r/min (rpm)
Yellow	4,800
Amber	5,400
Pink	6,000

If the shift width setting is 0 r/min (rpm), the multicolor line starts to flash when reaching the setting value of shift up rev.

❷ Press the **MODE** button. The shift width is set, and then the display moves to the time sign setting.

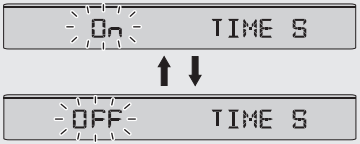
Instruments *(Continued)*

3 Time sign setting

You can display the time with a multicolor line.

When the minutes of the clock change from 59 to 00, the multicolor line will blink three times when the setting is on.

1. Press the SEL ▲ (up) button or the SEL ▼ (down) button to select "On" or "OFF".
   ▶ The message of "TIME SIGN" scrolls in INFO 1 display.



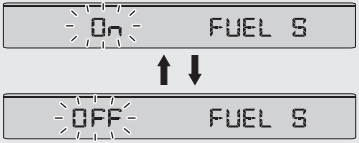
2. Press the MODE button. The time sign is set, and then the display moves to the fuel sign setting.

4 Fuel sign setting

You can set the fuel sign with a multicolor line.

When the 1st (E) segment of the fuel gauge starts flashing, the line will light in amber for 15 seconds when the setting is on.

1. Press the SEL ▲ (up) button or the SEL ▼ (down) button to select "On" or "OFF"
   ▶ The message of "FUEL SIGN" scrolls in INFO 1 display.



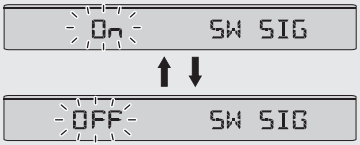
2. Press the MODE button. The fuel sign is set, and then the display moves to the switch sign setting.

5 Switch sign setting

You can set the switch sign with a multicolor line.

When the SEL ▲ (up) button, SEL ▼ (down) button, or MODE button is pressed, the multicolor line will light briefly when the setting is on.

1. Press the SEL ▲ (up) button or the SEL ▼ (down) button to select "On" or "OFF".
   - ▶ The message of "SW SIGN" scrolls in INFO 1 display.



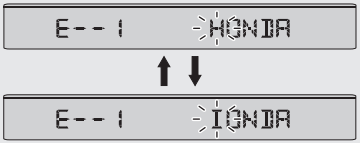
2. Press the MODE button. The switch sign is set, and then the display will return to the ordinary display.

SP Setting Mode

Inputting the ending message:

Ending message can input 6 letters.

1. Turn the ignition switch to the ON position.
2. Select the SP mode. P.42
3. Press the SEL ▲ (up) button or the SEL ▼ (down) button until the desired letter is displayed.
   - ▶ You can input alphabetical letters, numbers and symbols.
   - ▶ Press and hold the SEL ▲ (up) button or the SEL ▼ (down) button to advance the letter fast.



Instruments *(Continued)*

4 Press the **MODE** button. The letter is set, and the next letter will start flashing. Follow the procedure steps 3 and 4 until the last letter is set.

After the ending message has been set, the display returns to the ordinary display.

Selecting letters at the ending display:
When the **SEL** ▲ (up) button or the **SEL** ▼ (down) button is pressed, the letters are displayed in the following order.

Multicolor line information setting

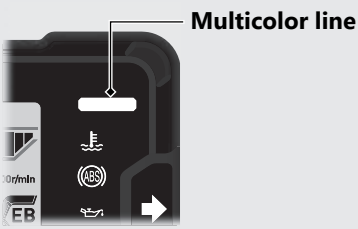
You can show the riding conditions by setting the multicolor line information.

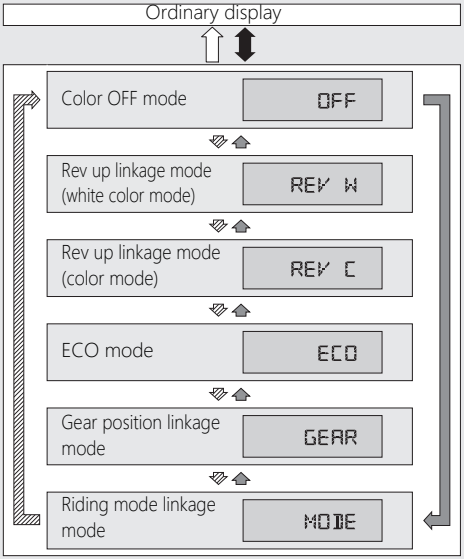
▶ Except during user setting of riding mode.

P.80

The following items can be set sequentially.

- Color OFF mode
- Rev up linkage mode (white color mode)
- Rev up linkage mode (color mode)
- ECO mode
- Gear position linkage mode
- Riding mode linkage mode





Press and hold the **SEL** ▼ (down) button

- Press the **MODE** button
- Press and hold the **MODE** button
- Press and hold the **SEL** ▲ (up) button

Press the **SEL** ▲ (up) button

Press the **SEL** ▼ (down) button

If the ignition switch is turned to the OFF position or none of the **MODE**, **SEL** ▲ (up) or **SEL** ▼ (down) buttons are pressed for about 30 seconds, the control is automatically switched from the setting mode to the ordinary display.

Order of priority for the color:

Rev up linkage mode	>	**ECO mode** **Gear position linkage mode** **Riding mode linkage mode**

Color OFF mode

Color mode is deactivated.

Rev up linkage mode (white color mode)

When the number of engine revolution reaches the shift up point you have set, the color of the multicolor line blinks in white. This indicates to shift up.

Ex: When shift up rev setting is 6,000 r/min (rpm) and shift width setting is 600 r/min (rpm).

Multicolor line	r/min (rpm)
Blinks	4,800
Blinks fast	5,400
Blinks faster	6,000

To set the shift up rev setting: P.55
To set the shift width setting: P.56

Instruments *(Continued)*

Rev up linkage mode (color mode)

When the number of engine revolutions reaches the shift up point you have set, the color of the multicolor line will change. This indicates to shift up.

Ex: When shift up rev setting is 6,000 r/min (rpm) and shift width setting is 600 r/min (rpm).

Multicolor line	r/min (rpm)
Yellow	4,800
Amber	5,400
Pink	6,000

To set the shift up rev setting: P.55
To set the shift width setting: P.56

ECO mode

Depending on fuel consumption, the multicolor line will change.
If fuel consumption is improved, the color of the multicolor line will change to Aqua.
Further, when fuel consumption is improved, it will turn Green.

▶ The ECO mode includes Rev up linkage mode (color mode).
▶ When the riding mode [SPORT] is set, the ECO mode does not work. P.80

Gear position linkage mode

Depending on the gear position, the multicolor line changes as follows.

Gear position	1st	2nd	3rd	4th	5th	6th
Color	Yellow	Pink	Violet	Blue	Aqua	Green

► The gear position linkage mode includes Rev up linkage mode (white color mode).

Riding mode linkage mode

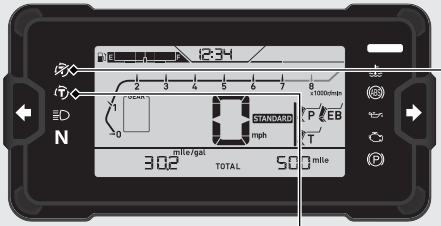
Depending on the riding mode, the multicolor line changes as follows.

Riding mode	SPORT	STANDARD	RAIN	USER
Color	Pink	Violet	Aqua	Blue

► The riding mode linkage mode includes Rev up linkage mode (white color mode).

Indicators

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

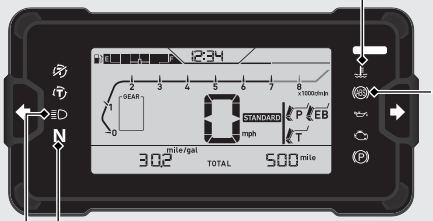


Torque Control OFF indicator
Comes on when the Torque Control is turned off.

Torque Control indicator

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

If it comes on while riding: P.147



High coolant temperature indicator
Comes on briefly when the ignition switch is turned to the ON position.
If it comes on while riding: P.143

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 6 mph (10 km/h).
If it comes on while riding: P.146

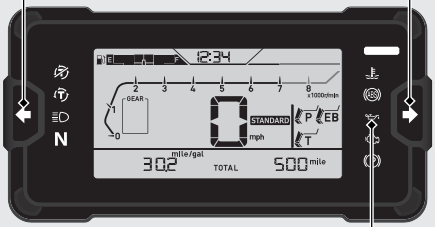
N Neutral indicator
Comes on when the transmission is in Neutral.

High beam indicator
Comes on briefly when the ignition switch is turned to the ON position with the headlight dimmer switch in the low beam position.

Indicators *(Continued)*

⇦ Left turn signal indicator

⇨ Right turn signal indicator

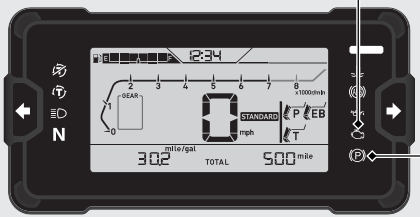


Low oil pressure indicator

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

Goes off when the engine starts.

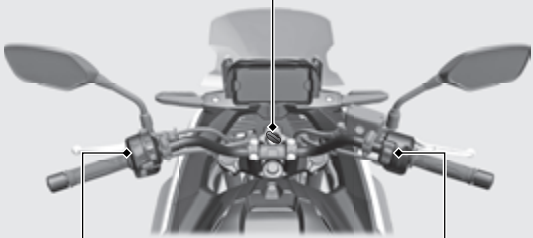
If it comes on while the engine is running: P.144



PGM-FI (Programmed Fuel Injection) malfunction indicator lamp (MIL)
Comes on briefly when the ignition switch is turned to the ON position.
If it comes on while the engine is running: P.145

Ⓟ Parking brake indicator NC750XD
Lights as a reminder that you have not released the parking brake lever.

Switches



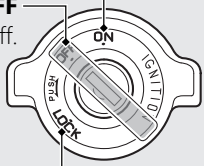
Ignition Switch
Switches the electrical system on/off, locks the steering.

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

Steering Lock: ➡P.75

ON
Turns electrical system on for starting/riding.

OFF
Turns engine off.



LOCK
Locks steering.

Left handlebar switches

NC750XA ➡P.71

NC750XD ➡P.72

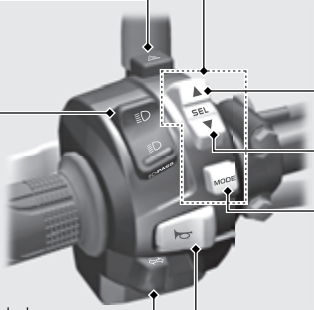
Right handlebar switches

NC750XA ➡P.73

NC750XD ➡P.74

Left handlebar switches

NC750XA



Used to operate and set the display. P.22
Also used to change the riding mode. P.77

Hazard switch
Switchable when the ignition switch is on.

Headlight dimmer switch/ Passing light control switch

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

SEL ▲ (up) button

SEL ▼ (down) button

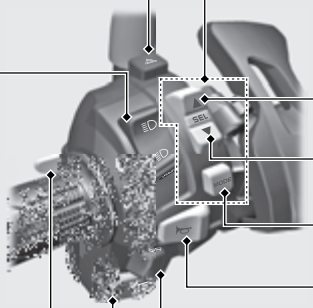
MODE button

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

Horn button

Switches *(Continued)*

NC750XD



Used to operate and set the display. P.22
Also used to change the riding mode. P.77

Hazard switch
Switchable when the ignition switch is on.

Headlight dimmer switch/ Passing light control switch
- : High beam
- : Low beam
- PASS : Flashes the high beam headlight.

Shift up switch (+)
To shift up the gear. P.93

Shift down switch (-)
To shift down the gear. P.93

SEL (up) button

SEL (down) button

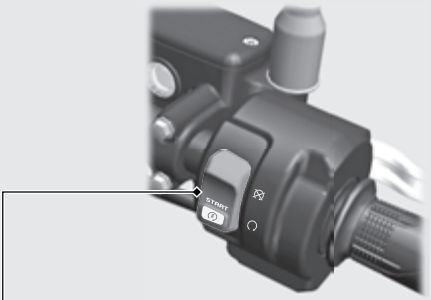
MODE button

Horn button

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

Right handlebar switches

NC750XA



Engine stop switch/ Start button

Should normally remain in the (Run) position.

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

Switches *(Continued)*

NC750XD

Engine stop switch/ Start button
Should normally remain in the (Run) position.

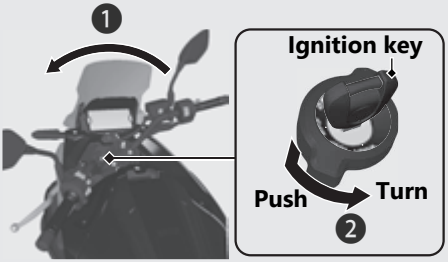
► In an emergency, switch to the (Stop) position to stop the engine.

A/M switch
To shift between the AT MODE and MT MODE. P.92

N-D switch
To shift between Neutral and AT MODE.
P.92

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.

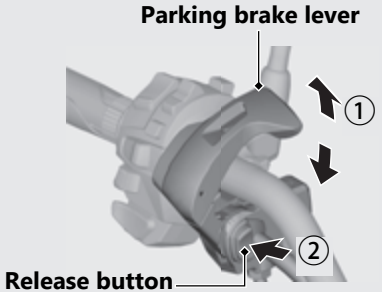
Parking Brake

NC750XD

Parking brake lever and Release button

Be sure the parking brake is applied while parking and warming up the engine.

► Make sure the parking brake lever is released before riding.



Locking

Pull the parking brake lever (1) back to lock the rear wheel.

► Be sure the release button pops out and the parking brake lever is not released.

► The parking brake lock will not function if the parking brake is not adjusted properly.

P.132

Unlocking

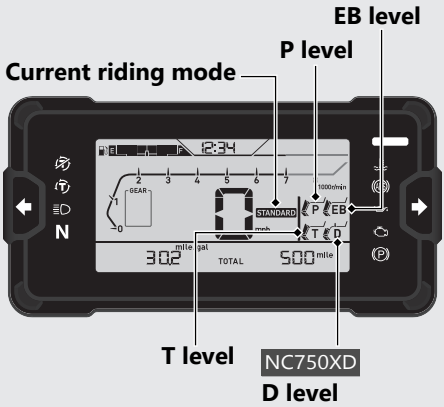
Release the parking brake lever by lightly pulling in the lever (1) and pressing the release button (2).

► Before riding, check that the parking brake indicator is turned off and make sure that the parking brake is fully released so there is no drag on the rear wheel.

Riding mode

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

P: Engine power output level
EB: Engine brake level
T: Torque control level
NC750XD
D: DCT level



Riding mode *(Continued)*

There are four available riding modes: [SPORT], [STANDARD], [RAIN] and [USER].

- [**SPORT**]: This mode is suitable for sports riding. You can feel the highest engine response.
- [**STANDARD**]: Standard, all-around mode for a variety of situations.
- [**RAIN**]: Good for stable riding on slippery surfaces such as rainy conditions.

You cannot change the initial setting levels for [STANDARD], [RAIN], and [SPORT].

- [**USER**]: Each initial setting level can be changed.

Initial setting

	P level	T level	EB level	D level NC750XD
SPORT	3	1	3	4
STANDARD	2	2	2	2
RAIN	1	3	1	1
USER	2*1	2*1, 2	2*1	2*1

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

P level (Engine power output level)

P level has three setting levels.

Available setting range: 1 to 3

▶ Level 1 has the least power.

▶ Level 3 has the most power.

T level (Torque control level)

T level has three setting levels or can be turned off.

Available setting range: 0 to 3

▶ Level 1 is the minimum Torque Control level.

▶ Level 3 is the maximum Torque Control level.

▶ Level 0 deactivates the Torque Control.

▶ If the electrical system is turned from off to on while the T level is set to 0, the T level is automatically set to 2.

EB level (Engine brake level)

EB level has three setting levels.

Available setting range: 1 to 3

▶ Level 1 has the weakest engine braking effect.

▶ Level 3 has the strongest engine braking effect.

NC750XD **D level (DCT mode)**

D level (DCT mode) has four setting levels.

Available setting range: 1 to 4

▶ Higher engine revolution can be used by increasing the level.

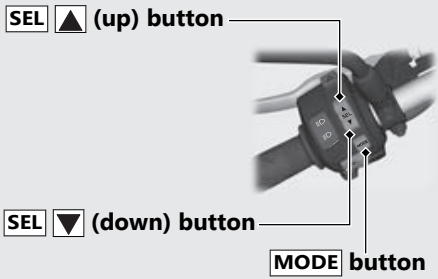
▶ Level 1 has the least engine revolution.

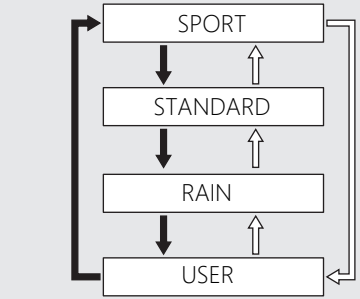
▶ Level 4 has the most engine revolution.

Riding mode *(Continued)*

Selecting the riding mode

1. Stop the vehicle.
2. Select the riding mode display. P.26
3. Press the SEL ▲ (up) or SEL ▼ (down) button with the throttle fully closed.





⟹ Press the SEL ▲ (up) button

➡ Press the SEL ▼ (down) button

Setting the riding mode

NC750XA

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

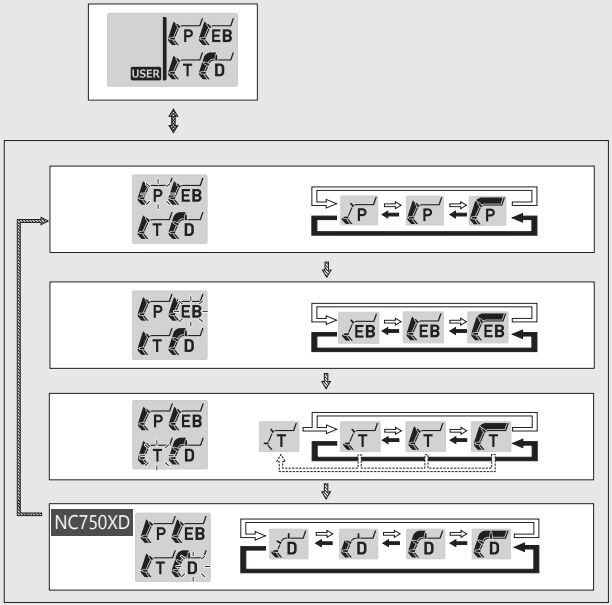
NC750XD

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

1. Stop the vehicle.
2. Select the USER riding mode. P.80
3. Press and hold the **MODE** button until the P display is flashed.
4. Press the **SEL** ▲ (up) or ▼ (down) button until the desired level is displayed.
5. Press the **MODE** button. The P level is set, and EB display is flashed.
6. Press the **SEL** ▲ (up) or ▼ (down) button until the desired level is displayed.
7. Press the **MODE** button. The EB level is set, and T display is flashed.
8. Press the **SEL** ▲ (up) or ▼ (down) button until the desired level is displayed.
   - ► T level can be changed to off by pressing and holding the **SEL** ▼ (down) button.
9. NC750XA
   Press the **MODE** button. The T level is set.
   NC750XD
   Press the **MODE** button. The T level is set, and D display is flashed.
   Press the **SEL** ▲ (up) or ▼ (down) button until the desired level is displayed.
10. Press and hold the **MODE** button until ordinary display is displayed.

You can stop setting the riding modes at any time by pressing and holding the **MODE** button.

Riding mode *(Continued)*



Press and hold the **MODE** button

Press the **MODE** button

Press the **SEL** ▲ (up) button

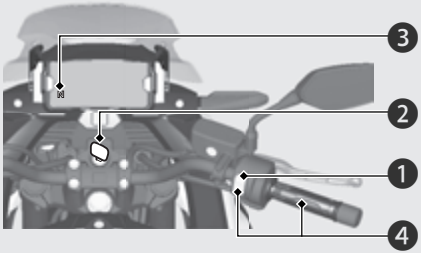
Press the **SEL** ▼ (down) button

Press and hold the **SEL** ▼ (down) button

Starting the Engine

NC750XA

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



NOTICE

- If the engine does not start within 5 seconds, turn the ignition switch to the OFF position and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine and the exhaust system.
- Snapping the throttle or fast idling for more than about 5 minutes may cause exhaust pipe discoloration.

1. Make sure the engine stop switch is in the ⟳ (Run) position.
2. Turn the ignition switch to the ON position.
3. Shift the transmission to Neutral (N indicator comes on). Alternatively, pull in the clutch lever to start your vehicle with the transmission in gear so long as the side stand is raised.

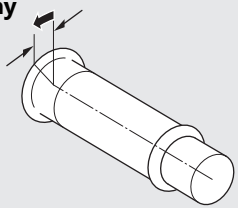
Continued

Starting the Engine *(Continued)*

❹ Press the start button with the throttle completely closed.

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

About 0.1 in (3 mm), without freeplay



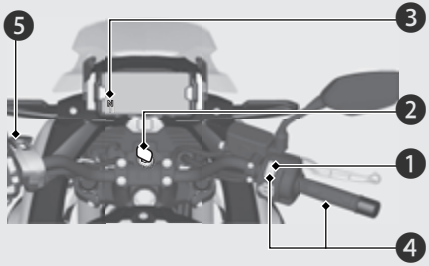
If the engine does not start:

① Open the throttle fully and press the start button for 5 seconds.
② Repeat the normal starting procedure.
③ If the engine starts, open the throttle slightly if idling is unstable.
④ If the engine does not start, wait 10 seconds before trying steps ① & ② again.

If Engine Will Not Start P.142

NC750XD

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



NOTICE

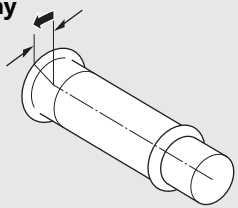
- If the engine does not start within 5 seconds, turn the ignition switch to the OFF position and wait 10 seconds before trying to start the engine again to recover battery voltage.
- Extended fast idling and revving the engine can damage the engine and the exhaust system.
- Snapping the throttle or fast idling for more than about 5 minutes may cause exhaust pipe discoloration.

1. Make sure the engine stop switch is in the ⟳ (Run) position.
2. Turn the ignition switch to the OFF position.
3. Check the transmission in Neutral (N indicator comes on).

Starting the Engine *(Continued)*

4. Press the start button with the throttle completely closed.
   ▶ If you cannot start the engine, open the throttle slightly (about 0.1 in [3 mm], without freeplay) and press the start button.

About 0.1 in (3 mm), without freeplay



5. Make sure the parking brake lever is released before riding. ➡P.76

If Engine Does Not Start ➡P.84

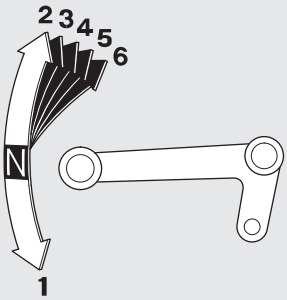
When you stop the engine

1. To stop the engine, shift the transmission to Neutral (N indicator comes on).
   ▶ If you turn the ignition switch to the OFF position when the vehicle is in gear, the engine will shut off with the clutch disengaged.
2. Turn the ignition switch to the OFF position.
3. Set the parking brake when you park the vehicle. ➡P.76

Shifting Gears

NC750XA

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



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

Recommended Shift Points

Shifting Up	
From 1st to 2nd	12 mph (20 km/h)
From 2nd to 3rd	19 mph (30 km/h)
From 3rd to 4th	25 mph (40 km/h)
From 4th to 5th	31 mph (50 km/h)
From 5th to 6th	37 mph (60 km/h)

Shifting Down	
From 6th to 5th	28 mph (45 km/h)
From 5th to 4th	22 mph (35 km/h)
From 4th to 3rd	16 mph (25 km/h)

NOTICE

Improper shifting can damage the engine, transmission, and drive train. Also, coasting or towing the vehicle for long distances with the engine off can damage the transmission.

Shifting Gears *(Continued)*

NC750XD

Your vehicle is equipped with an automatically controlled 6-speed transmission. It can be shifted automatically (by AT MODE) or manually (by MT MODE).

Recommended Shift Points

Shifting Up	
From 1st to 2nd	12 mph (20 km/h)
From 2nd to 3rd	20 mph (32 km/h)
From 3rd to 4th	28 mph (45 km/h)
From 4th to 5th	35 mph (57 km/h)
From 5th to 6th	43 mph (70 km/h)

Shifting Down	
From 6th to 5th	36 mph (58 km/h)
From 5th to 4th	28 mph (45 km/h)
From 4th to 3rd	21 mph (33 km/h)
From 3rd to 2nd	15 mph (24 km/h)
From 2nd to 1st	11 mph (18 km/h)

NOTICE

Improper shifting can damage the engine, transmission, and drive train. Also, coasting or towing the vehicle for long distances with the engine off can damage the transmission.

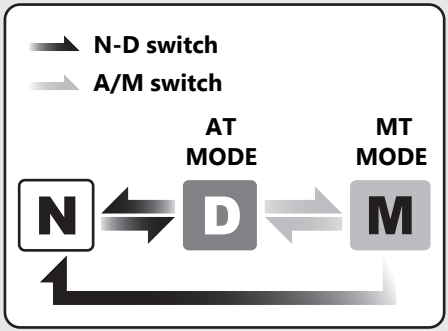
Dual Clutch Transmission

In order to respond to rider demands in a broad range of situations, the transmission is equipped with two operating modes, AT MODE (D) (automatic shift for regular operation); and MT MODE (M) (for 6-speed manual operation), which delivers the same shift feel as a manual transmission.

▶ Always use the recommended tires and sprockets to ensure correct Dual Clutch Transmission operation.

The Dual Clutch Transmission system runs a self check immediately after starting the engine.

You cannot change AT MODE (D) for a few seconds.



Shifting Gears *(Continued)*

Neutral (N): Neutral is selected automatically when you turn the ignition switch to the ON position.

If neutral is not selected when you turn the ignition switch to the ON position.

- ▶ Turn the ignition switch to the OFF position and then to the ON position again.
- ▶ If neutral is still not selected after turning the ignition switch to the OFF position, and then to the ON position again. ➡P.148

You may hear (click) noises when the transmission shifts to Neutral (N). This is normal.

When you can change between N and D

- ▶ Vehicle is stopped and the engine is idling.
- ▶ Throttle is completely closed. It is not possible to change from Neutral to D mode while the throttle is applied.
- ▶ You cannot change between N and D mode while the wheels are rotating.
- ▶ Side stand is raised.

NOTICE

To prevent clutch damage, do not use the throttle to keep the vehicle stopped uphill.

AT MODE: In this mode, the gears are shifted automatically according to your riding conditions.
And also using the shift up switch (+) or shift down switch (−), you can temporarily shift up or down. These switches are convenient when you want to temporarily down-shift in front of a curve, etc. P.93
You can change the D level when you need more power in AT MODE, such as when overtaking, climbing hills, or pulling away. Higher engine RPM can be used by increasing the level.
D level can be changed only when riding mode is USER.
Riding mode : P.77

MT MODE (6-speed manual operation):
In this mode, you can choose between 6 gears.

Shifting Gears *(Continued)*

Changing between Neutral and AT MODE/MT MODE

Changing from Neutral (N) to AT MODE

Press the D side on the N-D switch (①). Parameter display changes to D (②), "1" is shown in the gear position indicator and first gear is selected.

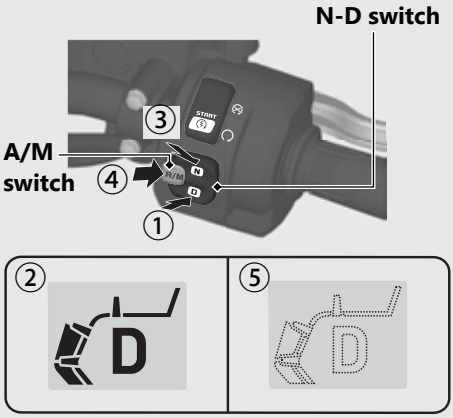
Changing from AT or MT MODE to Neutral

Press N side on the N-D switch (③).

Changing between AT MODE and MT MODE

Press the A/M switch (④).

The D (AT MODE) indicator goes out while MT MODE is selected (⑤).



Riding in MT MODE

Shift up and down with the shift up switch (+) and shift down switch (−).

The selected gear is shown on the gear position indicator.

- ▶ If the MT MODE is selected, the transmission does not shift up automatically. Do not allow the engine revs to go into the red zone.
- ▶ The transmission automatically shifts down when you slow down, even in MT MODE.
- ▶ You will start from 1st gear even if MT MODE is selected.

Gear shift operation

Shifting Up:

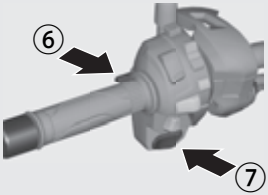
Press the shift up switch (+) (⑥).

Shifting Down:

Press the shift down switch (−) (⑦).

You cannot continue shifting gears by keeping the shift switch pressed.

To continue shifting gears release the switch and press it again.



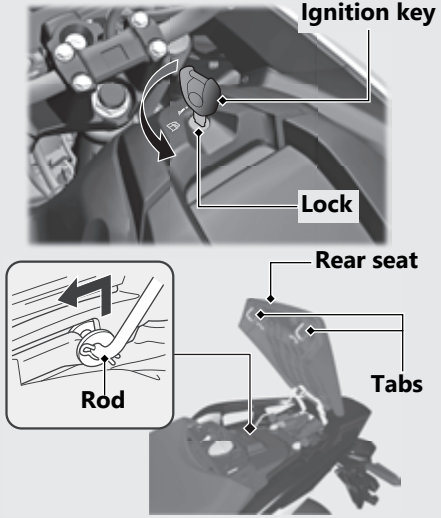
Shift Limit

You cannot downshift if the engine will exceed the rev limit.

Refueling

The rear seat must be opened to refuel this vehicle.

Rear Seat



Open

1. Insert the ignition key into the lock and turn the key counterclockwise.
2. Pull up the front of the rear seat.

Close

1. Pull up the rod upward.
2. Push down the front of the rear seat until it locks in place.
   - ▶ Make sure that the tabs are locked securely in position to pull up the front of the rear seat lightly.
   - ▶ The seat locks automatically when closed.
     Take care not to lock your key in the compartment under the rear seat.
3. Remove the key.

Fuel type: Unleaded gasoline only
Recommended fuel octane number:
Pump Octane Number (PON) 86 or higher.
Tank capacity: 3.73 US gal (14.1 L)

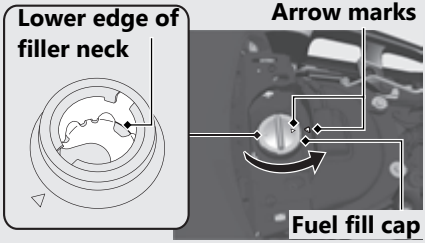
Refueling and Fuel Guidelines P.13

Opening the Fuel Fill Cap

1. Open the rear seat. P.94
2. Turn the fuel fill cap counterclockwise until it stops and remove the cap.

Closing the Fuel Fill Cap

① Install and tighten the fuel fill cap firmly by turning it clockwise.
▶ Make sure that the arrow marks on the cap and fuel tank are aligned.
② Close the rear seat.



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

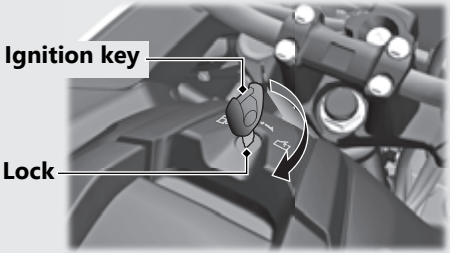
⚠WARNING

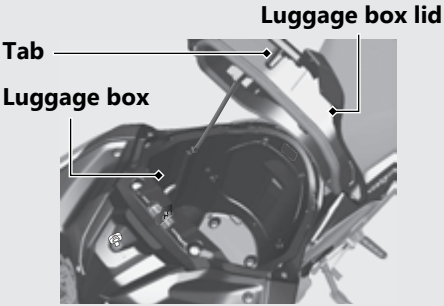
Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

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

Storage Equipment

Luggage Box





Open

1. Insert the ignition key into the lock and turn the key clockwise.
2. Pull up the front of the luggage box lid.

Close

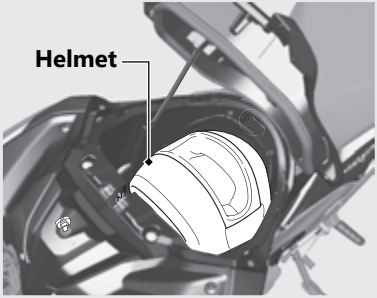
1. Push down the front of the luggage box lid until it locks in place.
   - ► Make sure that the tab is locked securely in position to pull up the front of the luggage box lid lightly.
   - ► The luggage box will lock automatically when closed.
     Take care not to lock your key in the luggage box.
2. Remove the key.

Never exceed the maximum weight limit.

Maximum Weight: 11.0 lb (5.0 kg)

► Do not store any items that are flammable or susceptible to heat damage.

A helmet can be stored in the luggage box. Store the helmet face-up.

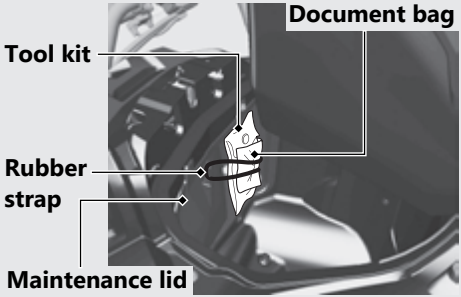


► Some helmets may not fit in the compartment due to their size or design.

Opening the luggage box. P.96

Tool Kit/Document Bag

The tool kit and document bag are stored on the maintenance lid (in the luggage box) by the rubber strap.



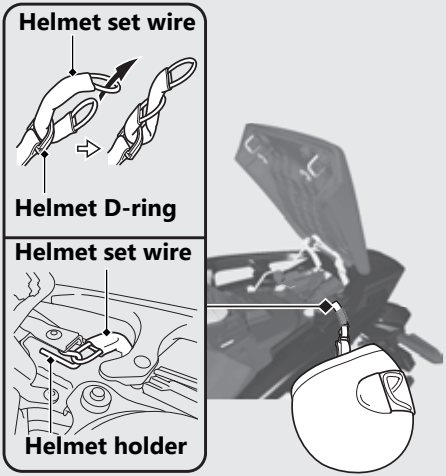
Opening the luggage box. P.96

Storage Equipment *(Continued)*

Helmet holder

The helmet holder is located under the rear seat.

A helmet set wire is in the tool kit.



▶ Use the helmet holder only when parked.

Opening the rear seat. P.94

⚠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.
An optional larger tool kit may be available.
Check with your Honda dealer's parts department.

Importance of Maintenance ..... P. 100
Maintenance Schedule ..... P. 102
Maintenance Record ..... P. 105
Maintenance Fundamentals ..... P. 106
Removing & Installing Body Components ..... P. 120
- Battery ..... P. 120
- Clip ..... P. 121
- Harness Band Clip ..... P. 122
- Lower Cowl ..... P. 123
- Maintenance Lid ..... P. 125

Engine Oil ..... P. 126
Coolant ..... P. 128
Brakes ..... P. 130
Side Stand ..... P. 133
Drive Chain ..... P. 134
Clutch ..... P. 135
Throttle ..... P. 138
Other Adjustments ..... P. 139
- Adjusting the Brake Lever ..... P. 139
- Adjusting the Rear Suspension ..... P. 140

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. 102

⚠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.

For information about the exhaust emission and noise emission requirements of the U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and the Environment and Climate Change Canada (ECCC).
➡ P. 166

USA

Maintenance, replacement or repair of the emission control devices and systems may be performed by any vehicle repair establishment or individual using parts that are "certified" to EPA standards.

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. All scheduled maintenance is considered a normal owner operating cost and will be charged to you by your dealer. Keeping an accurate maintenance record will help ensure your vehicle is properly maintained.
➔P. 105

Make sure whoever performs the scheduled maintenance completes the maintenance record. Retain all service documents. If you sell your vehicle, these service documents should be transferred with the vehicle to the new owner.

	Items		Frequency*1									
			× 1,000 mi	0.6	4	8	12	16	20	24	Regular Replace	Refer to page
			× 1,000 km	1.0	6.4	12.8	19.2	25.6	32.0	38.4		
Emission-Related Items	Fuel Line	🔧				I		I		I		–
	Throttle Operation	🔧				I		I		I		138
	Air Cleaner*2						R			R		–
	Crankcase Breather*3				C	C	C	C	C	C		115
	Spark Plug		Every 16,000 mi (25,600 km): I Every 32,000 mi (51,200 km): R									–
	Valve Clearance	🔧						I				–
	Engine Oil			R		R		R		R	1 Year	–
	Engine Oil Filter			R				R				–
	Clutch Oil Filter*6			R				R				–
	Engine Idle Speed	🔧				I		I		I		–
	Radiator Coolant*7					I		I		I	3 Years	128
	Cooling System	🔧				I		I		I		–
	Evaporative Emission Control System*4	🔧						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 Service Manual (➡ P. 172).

✕ : 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

Continued

	Items		Frequency*1									
			× 1,000 mi	0.6	4	8	12	16	20	24	Regular Replace	Refer to page
			× 1,000 km	1.0	6.4	12.8	19.2	25.6	32.0	38.4		
Non-Emission-Related Items	Drive Chain		Every 600 mi (1,000 km): I L									134
	Drive Chain Slider				I	I	I	I	I	I		–
	Brake Fluid*7				I	I	I	I	I	I	2 Years	130
	Brake Pads Wear				I	I	I	I	I	I		131
	Brake System					I		I		I		106
	Brake Light Switch					I		I		I		132
	Brake Lock Operation*6				I	I	I	I	I	I		132
	Headlight Aim					I		I		I		–
	Clutch System*5				I	I	I	I	I	I		135
	Side Stand					I		I		I		133
	Suspension					I		I		I		–
	Nuts, Bolts, Fasteners					I		I		I		–
	Wheels/Tires					I		I		I		115
	Steering Head Bearings					I		I		I		–

Notes:

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

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

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

*4 : 50 STATE (meets California).

*5 : NC750XA only.

*6 : NC750XD only.

*7 : Replacement requires mechanical skill.

Maintenance Record

Distance	Odometer	Date	Performed By:	Notes
600 miles (1,000 km)				
4,000 miles (6,400 km)				
8,000 miles (12,800 km)				
12,000 miles (19,200 km)				
16,000 miles (25,600 km)				
20,000 miles (32,000 km)				
24,000 miles (38,400 km)				
28,000 miles (44,800 km)				
32,000 miles (51,200 km)				
36,000 miles (57,600 km)				
40,000 miles (64,000 km)				
44,000 miles (70,400 km)				
48,000 miles (76,800 km)				
52,000 miles (83,200 km)				
56,000 miles (89,600 km)				
60,000 miles (96,000 km)				
64,000 miles (102,400 km)				
68,000 miles (108,800 km)				

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 tire, can be a major inconvenience.

Check the following items before you get on your vehicle:

- Tire tread wear and air pressures are within limits ➡ P. 115
- Lights, horn, and turn signals operate normally
- Check the condition of the drive chain. Adjust slack and lubricate as needed ➡ P. 113

Check the following items if you are carrying a passenger or cargo:

- Combined weight is within load limits ➡ P. 180
- Cargo is secured properly
- Suspension is adjusted to suit load ➡ P. 140

Check the following items after you get on your vehicle:

- Throttle action moves smoothly without binding ➡ P. 138
- Brake lever and pedal operate normally
- Check the fuel level and refuel when needed ➡ P. 13, ➡ P. 94
- Engine stop switch functions properly ➡ P. 70

Check the following items at regular intervals:

- Oil level is between the upper and lower level marks ➡ P. 126
- Brake fluid level is

Front: above the LOWER level mark ➡ P. 130
Rear: between the UPPER and LOWER level marks ➡ P. 130

- Engine coolant level is between the UPPER and LOWER level marks ➡ P. 128
- Side stand functions properly ➡ P. 133
- NC750XD
  Parking brake works properly ➡ P. 132

Periodic Checks

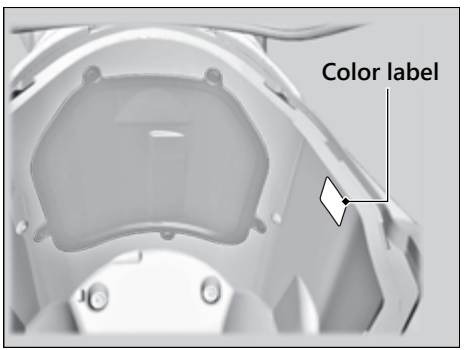
You should also perform other periodic maintenance checks at least once a month regardless of how often you ride, or more often if you ride frequently.

Also, check the odometer reading against the Maintenance Schedule and perform all maintenance that is due. ➡P. 102

Tires and wheels	Check the air pressure (➡P. 115), examine tread for wear and damage (➡P. 116), and check the wheels for damage.
Fluid levels	Check the engine oil level (➡P. 126), engine coolant level (➡P. 128), and brake fluid level (➡P. 130).
Lights	Check that the headlight, position lights, brake light, taillight, license plate light and turn signals are working properly.
Controls	Check the freeplay of the clutch lever (NC750XA) (➡P. 135), Check the front brake lever (➡P. 139), rear brake pedal and parking brake (NC750XD) (➡P. 132) operate properly.
Drive chain	Check the slack (➡P. 134), adjust the slack, and lubricate (➡P. 114) as needed.
Fuses	Check that you have a full supply of spare fuses.
Nuts & bolts	Check the major nuts and bolts, and tighten as needed.

Replacing Parts

Always use Honda Genuine Parts or their equivalents to ensure reliability and safety.
When ordering colored components, specify the model name, color, and code mentioned on the color label.
The color label is attached to the luggage box.
➔P. 96



⚠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
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.

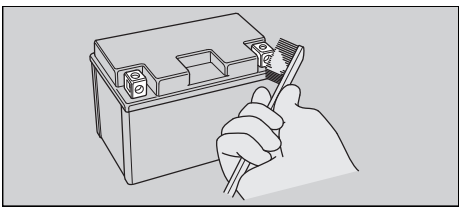
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

WARNING: Battery posts, terminals, and related accessories contain lead and lead compounds.
Wash your hands after handling.

Cleaning the Battery Terminals

1. Remove the battery. P. 120
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.

Charging

If you use electrical accessories that drain the battery or you do not ride frequently, we recommend that you charge the battery every 30 days using a charger designed specifically for your Honda, which can be purchased from your dealer. Read the information that came with your battery charger and follow the instructions on the battery. Avoid using an automobile-type battery charger, as these can overheat a motorcycle battery and cause permanent damage.

Make sure the ignition switch is in the OFF position before charging the battery.

NOTICE

Improper charging can damage the battery. If you can't charge the battery or it appears unable to hold a charge, contact your dealer.

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

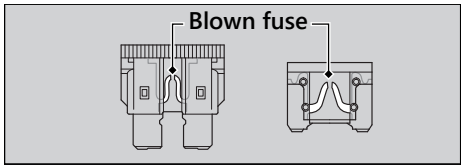
NOTICE
Installing non-Honda electrical accessories can overload the electrical system, discharging the battery and possibly damaging the system.

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. 152

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. 182



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.

Continued

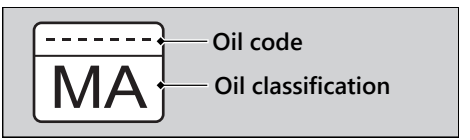
Selecting the Engine Oil

For recommended engine oil, see "Specifications." P. 181

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

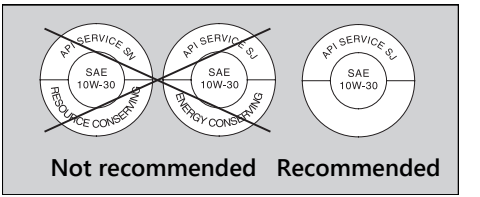
- JASO T 903 standard*1: MA
- SAE standard*2: 10W-30
- API classification*3: SJ or higher

*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 4 Brake Fluid or equivalent

⚠WARNING

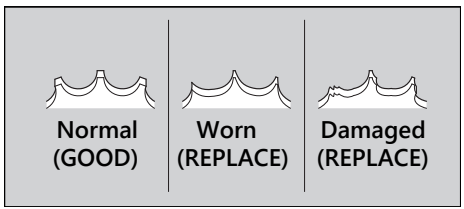
Clean filler cap before removing. Use only DOT 4 fluid from a sealed container.

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. 134

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

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



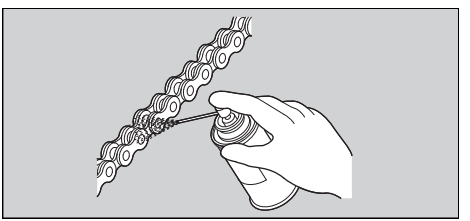
NOTICE
Use of a new chain with worn sprockets will cause rapid chain wear.

Continued

Cleaning and Lubricating

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

Recommended lubricant:
Pro Honda HP Chain Lube or equivalent



Do not use a steam cleaner, a high pressure cleaner, a wire brush, volatile solvent such as gasoline and benzene, abrasive cleaner, chain cleaner or lubricant NOT designed specifically for O-ring chains as these can damage the rubber O-ring seals.
Avoid getting lubricant on the brakes or tires.
Avoid applying excess chain lubricant to prevent spray onto your clothes and the vehicle.

Recommended Coolant

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

Concentration:
50% antifreeze and 50% distilled water

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

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

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.

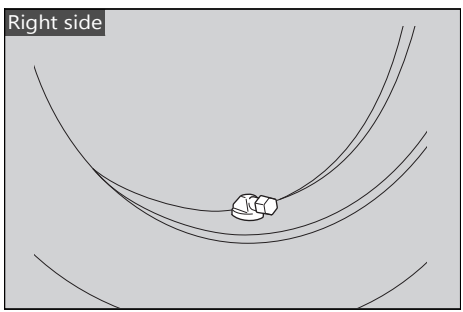
If the drain tube overflows, the air filter may become contaminated with engine oil, causing poor engine performance.

Tires (Inspecting/Replacing)

Checking the Air Pressure

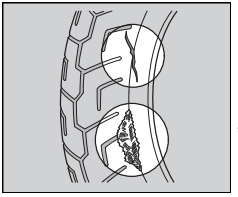
Visually inspect your tires and use an air pressure gauge to measure the air pressure at least once a month or any time you think the tires look low. Always check air pressure when your tires are cold.

Even if the direction of the valve stem is changed, do not return it to the original position. Have your vehicle inspected by your dealer.



Continued

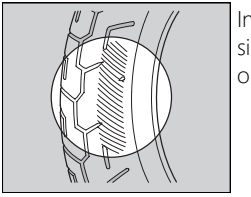
Inspecting for Damage



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

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

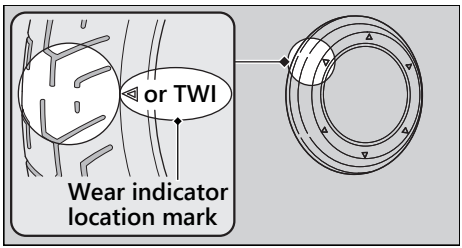
Inspecting for Abnormal Wear



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

Inspecting Tread Depth

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



⚠WARNING

Riding on tires 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 tire inflation and maintenance.

Have your tires replaced by your dealer.
For recommended tires, air pressure, and minimum tread depth, see "Specifications."
P. 181
Follow these guidelines whenever you replace tires:

- Use the recommended tires or their equivalents of the same size, construction, speed rating, and load range.
- Have the wheel balanced with Honda Genuine balance weights or equivalent after the tire is installed.
- Do not install a tube inside a tubeless tire on this vehicle. Excessive heat build-up can cause the tube to burst.
- Use only tubeless tires on this vehicle. The rims are designed for tubeless tires, and during hard acceleration or braking, a tube-type tire could slip on the rim and cause the tire to rapidly deflate.

⚠WARNING

Installing improper tires 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 tires recommended in this owner's manual.

Tire Service Life

The service life of your tires is dependent on many factors, including, but not limited to, riding habits, road conditions, vehicle loading, tire air pressure, maintenance history, speed, and environmental conditions (even when the tires are not in use).

In addition to your regular inspections and maintenance, it is recommended that you have annual inspections performed once the tires reach 5 years old. It is also recommended that all tires be removed from service after 10 years from the date of manufacture, regardless of their condition or state of wear.

The last four digits of the TIN (tire identification number) indicate the date of manufacture.

Tire Identification Number (TIN)

The tire identification number (TIN) is a group of numbers and letters located on the sidewall of the tire.

① ② ③

DOT XXXX XXXX 22 09

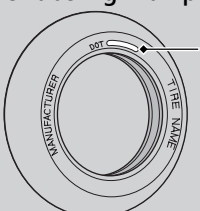
DOT: This indicates that the tire meets all requirements of the U.S. Department of Transportation.

① XXXX: Factory code

② XXXX: Tire type code

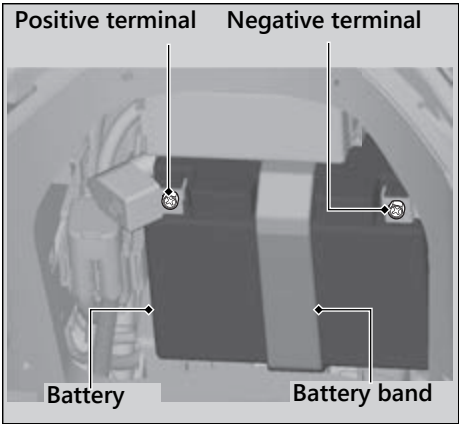
③ 22 09: Date of manufacture (week & year). Example: week 22 in year 09.

Tire Labeling Example



Tire identification number (TIN)

Battery



Removal

Make sure the ignition switch is in the OFF position.

1. Open the luggage box. P. 96
2. Remove the maintenance lid. P. 125
3. Unhook the battery band.
4. Disconnect the negative ⊖ terminal from the battery.
5. Disconnect the positive ⊕ terminal from the battery.
6. 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.

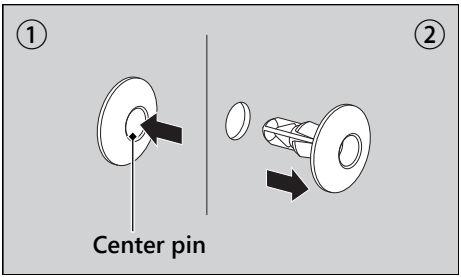
Make sure the clock information is correct after the battery is reconnected. P. 45

For proper handling of the battery, see "Maintenance Fundamentals." P. 109

"Battery Goes Dead." P. 151

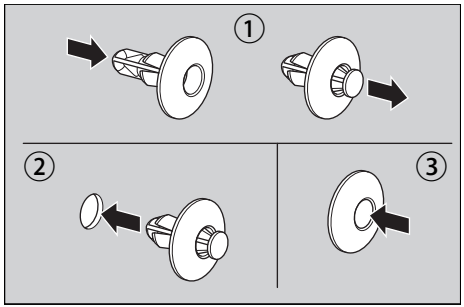
Clip

Removal



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

Installation

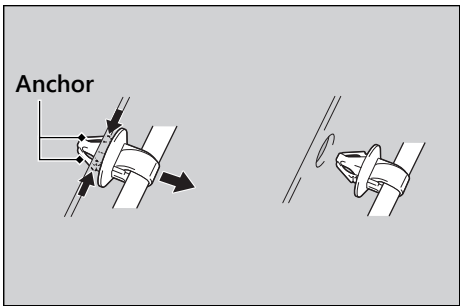


1. Push the bottom of the center pin.
2. Insert the clip into the hole.
3. Press down on the center pin to lock the clip.

Harness Band Clip

Removal

Pull the harness band clip while pressing both sides of the anchor.

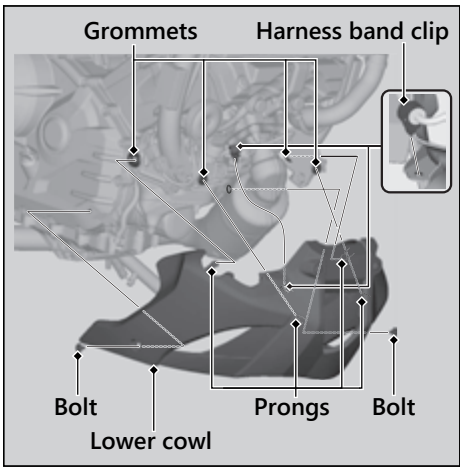


Installation

Install the harness band clip until it seats properly.

Lower Cowl

NC750XA



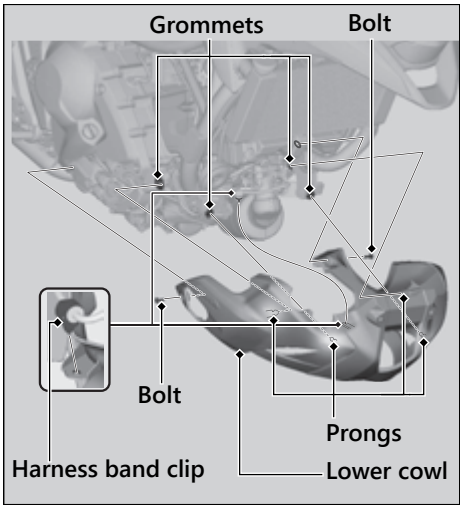
Removal

1. Remove the bolts.
2. Remove the lower cowl by releasing its prongs from the grommets.
3. Remove the lower cowl while releasing the harness band clip. P. 122
   ▶ Be careful not to damage the wire harness.

Installation

Install the parts in the reverse order of removal.

NC750XD



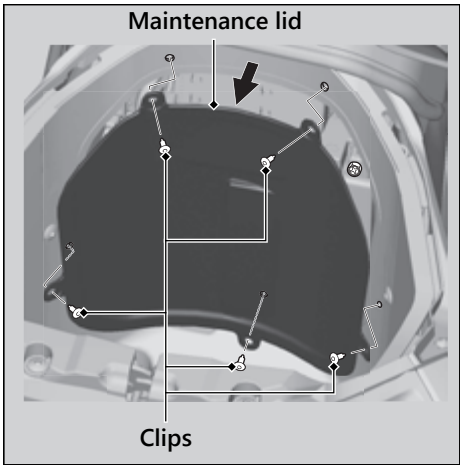
Removal

1. Remove the bolts.
2. Remove the lower cowl by releasing its prongs from the grommets.
3. Remove the lower cowl while releasing the harness band clip. P. 122
   ▶ Be careful not to damage the wire harness.

Installation

Install the parts in the reverse order of removal.

Maintenance Lid



Removal

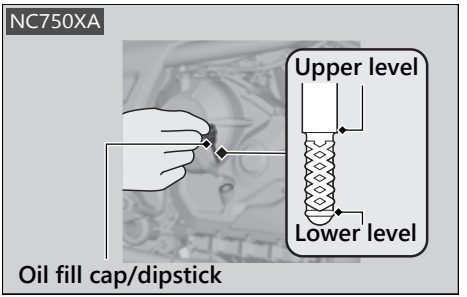
1. Open the luggage box. P. 96
2. Remove the clips. P. 121
3. Remove the maintenance lid.

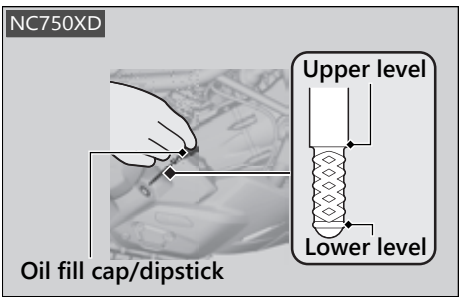
Installation

Install the parts in the reverse order of removal.

Checking the Engine Oil

1. If the engine is cold, idle the engine for 3 to 5 minutes.
2. Turn the ignition switch to the OFF position and wait for 2 to 3 minutes.
3. Place your vehicle in an upright position on a firm, level surface.
4. Remove the oil fill cap/dipstick and wipe it clean.
5. Insert the oil fill cap/dipstick until it seats, but don't screw it in.
6. Check that the oil level is between the upper level and lower level marks on the oil fill cap/dipstick.
7. Securely install the oil fill cap/dipstick.





Adding Engine Oil

If the engine oil is below or near the lower level mark, add the recommended engine oil.
P. 111, P. 181

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

2. Securely reinstall the oil fill cap/dipstick.

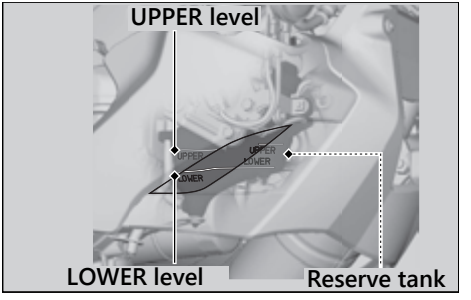
NOTICE
Overfilling with oil or operating with insufficient oil can cause damage to your engine. Do not mix different brands and grades of oil. They may affect lubrication and clutch operation.

For the recommended oil and oil selection guidelines, see "Maintenance Fundamentals."
P. 111

Checking the Coolant

Check the coolant level in the reserve tank while the engine is cold.

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



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

Adding Coolant

If the coolant level is below the LOWER level mark, add the recommended coolant (➡P. 114) until the level reaches the UPPER level mark.

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

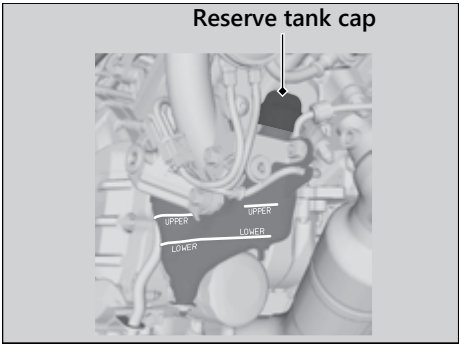
1. Remove the lower cowl. ➡P. 123

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

⚠WARNING

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

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

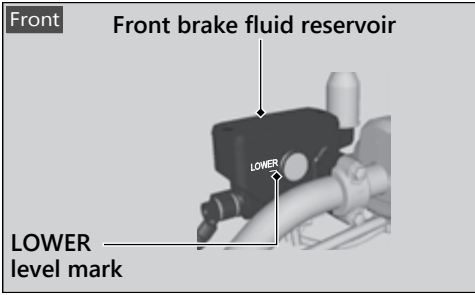


Checking Brake Fluid

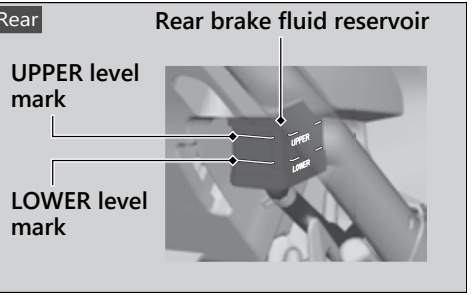
1. Place your vehicle in an upright position on a firm, level surface.
2. Front Check that the brake fluid reservoir is horizontal and that the fluid level is above the LOWER level mark.
   Rear Check that the brake fluid reservoir is horizontal and that the fluid level is between the LOWER level and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

Front



Rear

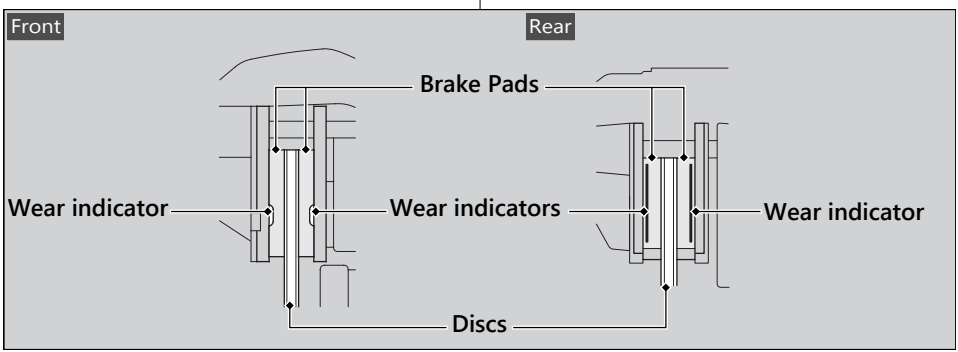


Inspecting the Brake Pads

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

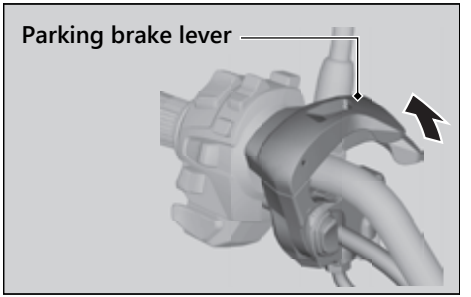
1. Front Inspect the brake pads from below the brake caliper.
2. Rear Inspect the brake pads from the rear right of the vehicle.

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



Checking the Parking Brake

NC750XD

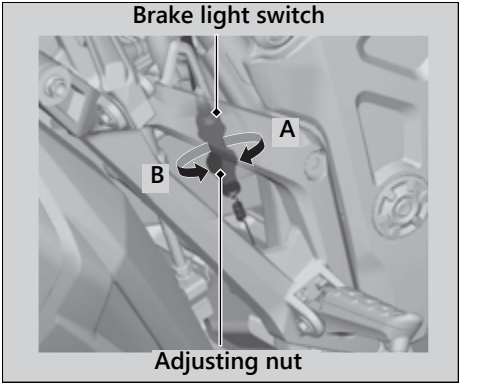


Place your vehicle on a firm, level surface. Stop the engine and push your vehicle while the parking brake is set to check the efficacy of the parking brake.

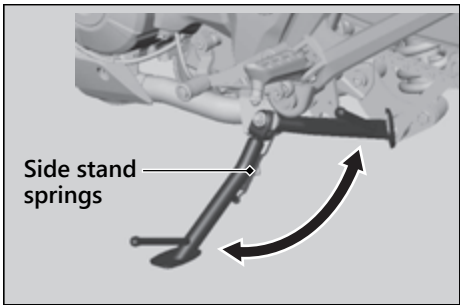
If the efficacy of the parking brake becomes weak, have the brake adjusted by your dealer.

Adjusting the Brake Light Switch

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



Checking the Side Stand



1. Check that the side stand operates smoothly. If the side stand is stiff or squeaky, clean the pivot area and lubricate the pivot bolt with clean grease.
2. Check the springs for damage or loss of tension.
3. NC750XA
   Sit on the vehicle, shift the transmission to Neutral, and raise the side stand.
   NC750XD
   Sit on the vehicle and raise the side stand.
4. NC750XA
   Start the engine, pull the clutch lever in, and shift the transmission into gear.
   NC750XD
   Start the engine and press the D side of N-D switch to switch the transmission into D mode.
5. Lower the side stand all the way. The engine should stop as you lower the side stand. If the engine doesn't stop, have your vehicle inspected by your dealer.

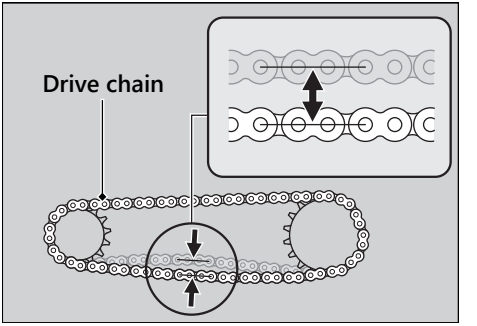
Inspecting the Drive Chain Slack

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

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

Drive chain slack:
1 - 1 3/8 in (25 - 35 mm)

► Do not ride your vehicle if the slack exceeds 1 15/16 in (50 mm).



4. Roll the vehicle forward and check that the chain moves smoothly.
5. Inspect the sprockets. P. 113
6. Clean and lubricate the drive chain. P. 114

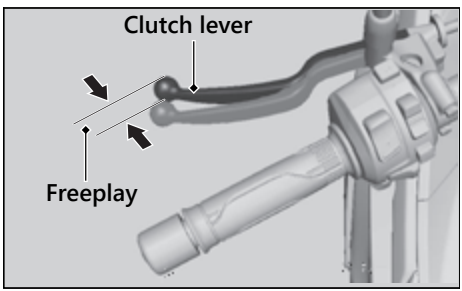
Checking the Clutch

NC750XA

Checking the Clutch Lever Freeplay

Check the clutch lever freeplay.

Freeplay at the clutch lever:
3/8 - 13/16 in (10 - 20 mm)



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.

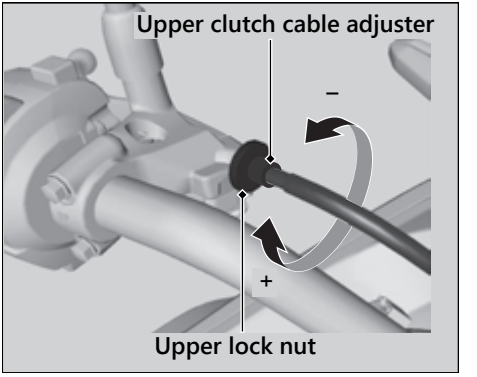
Adjusting the Clutch Lever Freeplay

NC750XA

Upper Adjustment

Attempt adjustment with the upper clutch cable adjuster first.

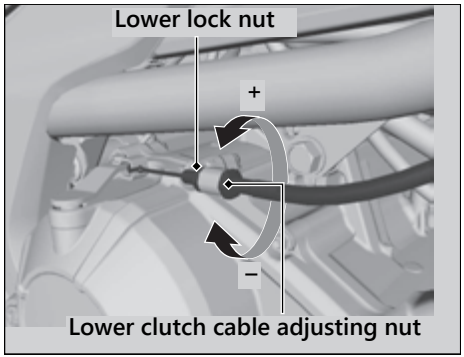
1. Loosen the upper lock nut.
2. Turn the upper clutch cable adjuster until the freeplay is 3/8 - 13/16 in (10 - 20 mm).
3. Tighten the upper lock nut and check the freeplay again.



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.

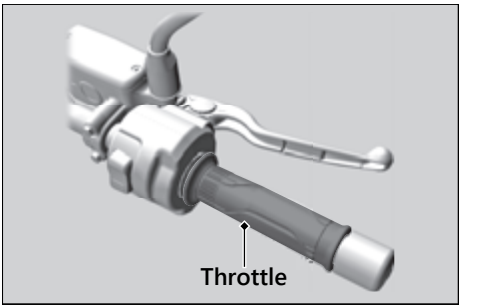
1. Loosen the upper lock nut and turn the upper clutch cable adjuster all the way in (to provide maximum freeplay). Tighten the upper lock nut.
2. Loosen the lower lock nut.
3. Turn the lower clutch cable adjusting nut until the clutch lever freeplay is 3/8 - 13/16 in (10 - 20 mm).
4. Tighten the lower lock nut and check the clutch lever freeplay.
5. Start the engine, pull the clutch lever in, and shift into gear. Make sure the engine does not stall and the vehicle does not creep. Gradually release the clutch lever and open the throttle. Your vehicle should move smoothly and accelerate gradually.



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

Checking the Throttle

With the engine off, check that the throttle rotates smoothly from fully closed to fully open. If the throttle does not move smoothly or close automatically, have the vehicle inspected by your dealer.



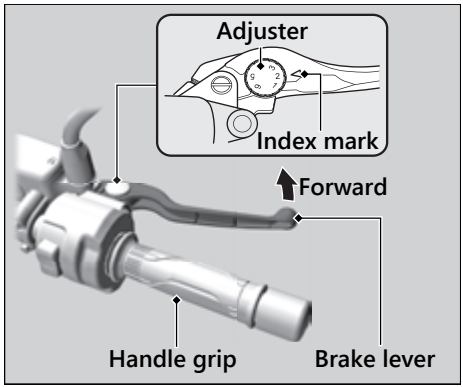
Adjusting the Brake Lever

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

Adjustment method

Turn the adjuster until the numbers align with the index mark while pushing the lever forward in the desired position.
After adjustment, check that the lever operates correctly before riding.

NOTICE
Do not turn the adjuster beyond its natural limit.

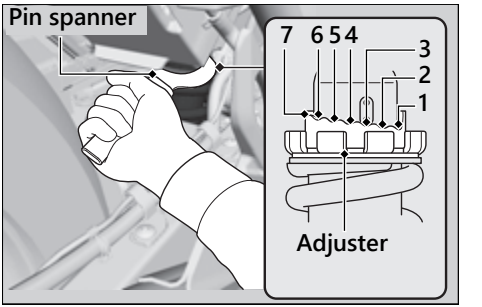


Adjusting the Rear Suspension

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

Spring Preload

You can adjust the spring preload by the adjuster to suit the load or the road surface. Use the pin spanner to turn the adjuster. Position 1 to 2 decreases spring preload (soft), or turn the position 4 to 7 to increase spring preload (hard). The standard position is 3.



NOTICE
Attempting to adjust directly from 1 to 7 or 7 to 1 may damage the shock absorber.

NOTICE
Do not turn the adjuster beyond its limits.

NOTICE
The rear shock absorber damper unit contains high pressure nitrogen gas. Do not attempt to disassemble, service, or improperly dispose of the damper. See your dealer.

Troubleshooting

Engine Will Not Start ..... P. 142
Overheating (High coolant temperature indicator is on) ..... P. 143
Warning Indicators On or Flashing ..... P. 144
Low Oil Pressure Indicator ..... P. 144
PGM-FI (Programmed Fuel Injection) Malfunction Indicator Lamp (MIL) ..... P. 145
ABS (Anti-lock Brake System) Indicator ..... P. 146
Torque Control Indicator ..... P. 147
If the "–" Indicator is Blinking in the Gear Position Window While Riding ..... P. 148
Other Warning Indications ..... P. 149
Fuel Gauge Failure Indication ..... P. 149
Tire Puncture ..... P. 150
Electrical Trouble ..... P. 151
Battery Goes Dead ..... P. 151
Burned-out Light Bulb ..... P. 151
Blown Fuse ..... P. 152

Starter Motor Operates But Engine Does Not Start

Check the following items:

- Check the correct engine starting sequence. P. 83
- Check that there is gasoline 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. 83
- Make sure engine stop switch is in the (Run) position. P. 73
- Check for a blown fuse. P. 152
- Check for a loose battery connection (P. 120) or battery terminal corrosion (P. 109).
- Check the condition of the battery. P. 151

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

Overheating (High coolant temperature indicator is on)

The engine is overheating when the following occurs:

- High coolant temperature indicator comes on.
- Acceleration becomes sluggish.

If this occurs, pull safely to the side of the road and perform the following procedure. Extended fast idling may cause the high coolant temperature indicator to come on.

NOTICE

Continuing to ride with an overheated engine can cause serious damage to the engine.

1. Stop the engine using the ignition switch, and then turn the ignition switch to the ON position.
2. Check that the radiator fan is operating, and then turn the ignition switch to the OFF position.

If the fan is not operating:

Suspect a fault. Do not start the engine. Transport your vehicle to your dealer.

If the fan is operating:

Allow the engine to cool with the ignition switch in the OFF position.

3. After the engine has cooled, inspect the radiator hose and check if there is a leak. ➡ P. 128

If there is a leak:

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

4. Check the coolant level in the reserve tank. ➡ P. 128
   ▶ Add coolant as necessary.
5. If 1-4 check normal, you may continue riding, but closely monitor the high coolant temperature indicator.

Low Oil Pressure Indicator

If the low oil pressure indicator comes on, pull safely to the side of the road and stop the engine.

NOTICE
Continuing to ride with low oil pressure can cause serious damage to the engine.

1. Check the engine oil level, and add oil as necessary. ➡ P. 126, ➡ P. 127
2. Start the engine.
   ▶ Only continue riding if the low oil pressure indicator goes off.

Rapid acceleration may momentarily cause the low oil pressure indicator to come on, especially if the oil is at or near the low level. If the low oil pressure indicator stays on when the oil level is at the proper level, stop the engine and contact your dealer.

If the engine oil level goes down rapidly, your vehicle may have a leak or another serious problem. Have your vehicle inspected by your dealer.

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

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

ABS (Anti-lock Brake System) Indicator

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 6 mph (10 km/h).

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 19 mph (30 km/h).

Torque Control Indicator

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

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

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

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

The Torque Control indicator may come on if you rotate the rear wheel while your vehicle is lifted off the ground. In this case, turn the ignition switch to the OFF position, and then to the ON position again. The Torque Control indicator will go off after your speed reaches 3 mph (5 km/h).

If the "–" Indicator is Blinking in the Gear Position Window While Riding

NC750XD

If the "–" indicator is blinking while riding, you may have a serious problem with the Dual Clutch Transmission system.

Park your vehicle in a safe place and have your vehicle inspected by a dealer immediately.

It may be possible to ride your vehicle by following the steps below.

1. Turn the ignition switch to the OFF position.
2. Turn the ignition switch to the ON position and start the engine.

If you cannot start the engine:

Turn the ignition switch to the OFF position and move the vehicle back and forth slightly (to disengage the gears).

Turn the ignition switch to the ON position again and start the engine.

If you still cannot start the engine:

Start the engine while applying the brake lever or pressing the brake pedal.

If you can shift from N to D mode:

When a gear position is shown in the gear position indicator, you can ride in that gear.

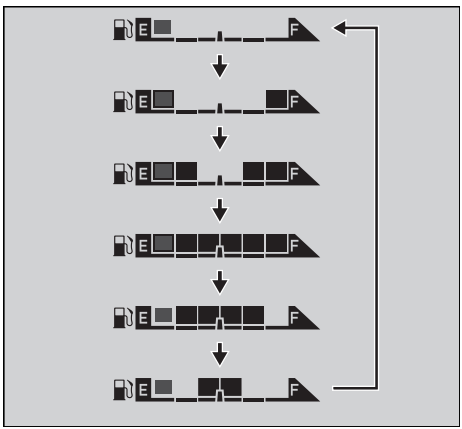
Take your vehicle to your dealer riding at a safe speed.

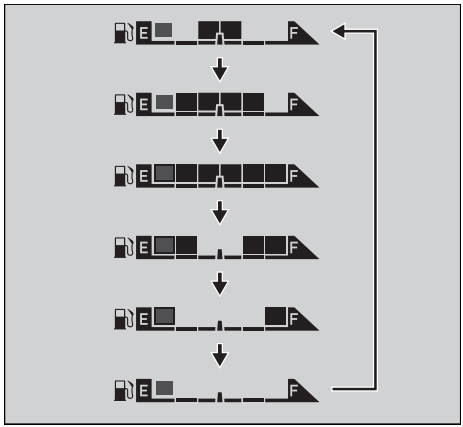
If you can't shift from N to D mode and the "–" indicator is blinking:

Damage is preventing you from riding. Have your vehicle inspected by your dealer immediately.

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 tire inspected/replaced by your dealer.

Emergency Repair Using a Tire Repair Kit

If your tire has a minor puncture, you can make an emergency repair using a tubeless tire repair kit.
Follow the instructions provided with the emergency tire repair kit.
Riding your vehicle with a temporary tire repair is very risky. Do not exceed 30 mph (50 km/h). Have the tire replaced by your dealer as soon as possible.

⚠WARNING

Riding your vehicle with a temporary tire 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 tire repair, ride slowly and carefully and do not exceed 30 mph (50 km/h) until the tire 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.
Bump starting is also not recommended.

Burned-out Light Bulb

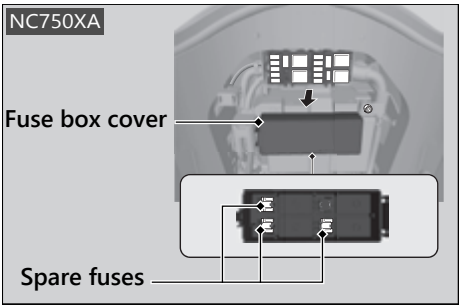
All light bulbs on the vehicle are LEDs. If there is an LED which is not turned on, see your dealer for servicing.

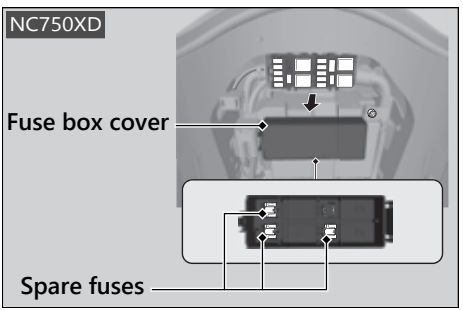
Blown Fuse

Before handling fuses, see "Inspecting and Replacing Fuses." P. 111

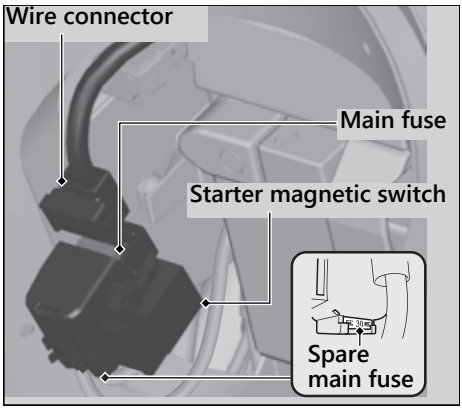
Fuse Box Fuses

1. Open the luggage box. P. 96
2. Remove the maintenance lid. P. 125
3. Remove the fuse box cover.
4. 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.
   ▶ Spare fuses are provided on back side of the fuse box cover.
5. Reinstall parts in the reverse order of removal.





Main Fuse



1. Open the luggage box. P. 96
2. Remove the maintenance lid. P. 125
3. Disconnect the wire connector of the starter magnetic switch.
4. Pull the main fuse out and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
   ▶ Spare main fuse is provided in the starter magnetic switch.
5. Reinstall parts in the reverse order of removal.

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

Information

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Instruments, Controls, & Other Features...P. 156
Caring for Your Vehicle.....P. 157
Storing Your Vehicle.....P. 162
Transporting Your Vehicle.....P. 163
You & the Environment.....P. 163
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Catalytic Converter.....P. 170
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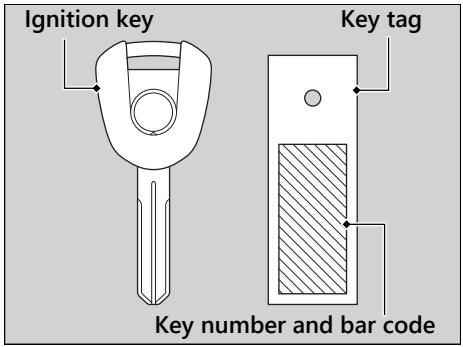
Reporting Safety Defects.....P. 178

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.



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 luggage box.
➡P. 96

Ignition Cut-off System

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

Assist-slipper Clutch System

NC750XA

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

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

Throttle by Wire System

This model is equipped with a Throttle by Wire System.
Do not put magnetized items or items susceptible to magnetic interference near the right handlebar switches.

Caring for Your Vehicle

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

Washing

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

1. Rinse your vehicle thoroughly using a low pressure garden hose to remove loose dirt.

Continued

2. If necessary, use a sponge or a soft towel with mild cleaner to remove road grime.
   ▶ Clean the windscreen, headlight lens, panels, and other plastic components with extra care to avoid scratching them. Avoid directing water into the air cleaner, muffler, and electrical parts.
3. Thoroughly rinse your 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 tires. 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 tires and brakes.
   ▶ If your vehicle has any matte painted parts, do not apply a coat of wax to the matte painted surface.

Washing Precautions

Follow these guidelines when washing:

- Do not use high-pressure washers:
  ▶ High-pressure water cleaners can damage moving parts and electrical parts, rendering them inoperable.
  ▶ Water in the air intake can be drawn into the throttle body and/or enter the air cleaner.
- Do not direct water at the muffler:
  ▶ Water in the muffler can prevent starting and causes rust in the muffler.

- Dry the brakes:
  ▶ Water adversely affects braking effectiveness. After washing, apply the brakes intermittently at low speed to help dry them.
- Do not direct water in the luggage box:
  ▶ Water in the luggage box 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 matte painted surfaces:
  ▶ Use a soft cloth or sponge, plenty of water, and a mild detergent to clean matte painted surfaces. Dry with a soft clean cloth.

Aluminum Components

Aluminum will corrode from contact with dirt, mud, or road salt. Clean aluminum 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 gasoline, brake fluid, or detergents on the instruments, panels, or headlight.

Windscreen

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

NOTICE

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

For a dirtier windscreen, use a diluted neutral detergent with a sponge and plenty of water. Make sure to wash off all the detergent. (Detergent residue may cause windscreen cracks.)
Replace the windscreen if scratches cannot be removed and they obstruct clear vision.

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

Exhaust Pipe and Muffler

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

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

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

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.

NOTICE

Even though the exhaust is made of stainless steel, it can become stained. Remove all marks and blemishes as soon as they are noticed.

Storing Your Vehicle

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

- Wash your vehicle and wax all painted surfaces (except matte painted surfaces). Coat chrome pieces with rust-inhibiting oil.
- Lubricate the drive chain. P. 113
- Place your vehicle on a maintenance stand and position a block so that both tires are off the ground.
- After rain, remove the body cover and allow the vehicle to dry.
- Remove the battery (P. 120) 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.

USA For more information about storage, refer to the *Honda Winter Storage Guide*, available from your dealer.

Canada For more information about storage, visit our website at www.honda.ca and look up "Storage Tips" under the "Honda Warranty" in the Warranty tab for your Model.

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.

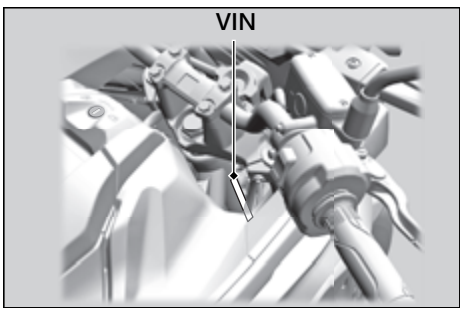
Continued

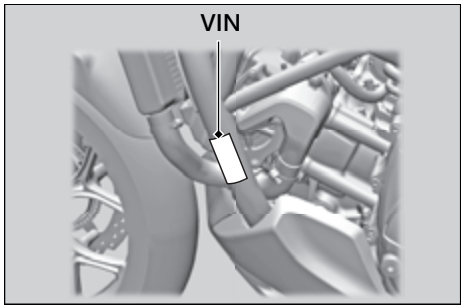
Recycle Wastes

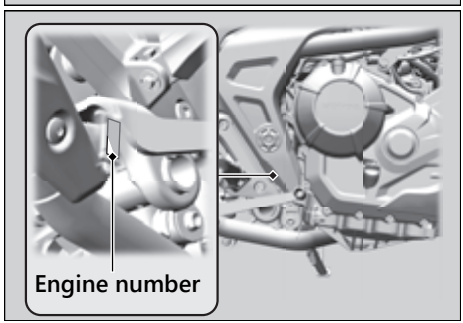
Put oil and other toxic wastes in approved containers and take them to a recycling center. Call your local or state office of public works or environmental services to find a recycling center in your area and to get instructions on how to dispose of non-recyclable wastes. Do not place used engine oil in the trash or pour it down a drain or on the ground. Used oil, gasoline, coolant, and cleaning solvents contain poisons that can hurt refuse workers and contaminate drinking water, lakes, rivers, and oceans.

Vehicle Identification Number

The VIN and engine serial number 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.







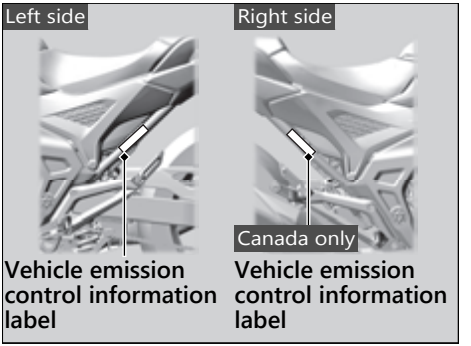
Emission Control Systems

Your vehicle engine emits combustion byproducts, including carbon monoxide (CO), oxides of nitrogen (NOx), and hydrocarbons (HC). Gasoline evaporation also emits hydrocarbons. Controlling the production of NOx, CO, and HC is important for the environment.

Exhaust Emission Requirements

The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and Environment and Climate Change Canada (ECCC) require that your vehicle comply with applicable exhaust, crankcase, and fuel permeation emission standards during its useful life, when operated and maintained according to the instructions provided.
CARB also requires that your vehicle comply with applicable evaporative emission requirements during its useful life, when operated and maintained according to the instructions provided.
USA Compliance with the terms of the Distributor's Warranties for Honda Motorcycle Emission Control Systems is necessary in order to maintain a valid emissions system warranty.

The Vehicle Emission Control Information label is located left side or right side (Canada) of the rear frame.



Noise Emission Requirements

The EPA requires that vehicles built after January 1, 1983 comply with applicable noise emission standards for one year or 3,730 miles (6,000 km) after the time of purchase when operated and maintained according to the instructions provided.

Exhaust Emission Control System

The exhaust emission control system includes the following components that should not need adjustment, although periodic inspection by your dealer is recommended.

PGM-FI System

The PGM-FI (programmed fuel injection) system uses sequential multiport fuel injection, and is comprised of air intake, engine control, fuel control, and exhaust control subsystems. The engine control module (ECM) uses sensors to determine how much air enters the engine, and then controls how much fuel to inject.

Ignition Timing Control System

The ignition timing control system adjusts the ignition timing to reduce the amount of HC, CO, and NOx produced.

Catalytic Converters

The exhaust system contains one or more catalytic converters. Catalytic converters use a catalyst to convert most of the harmful exhaust gas compounds into harmless compounds.

Evaporative Emission Control System

50 STATE (meets California)

An evaporative emissions control system uses a canister filled with charcoal to adsorb fuel vapor from the fuel tank while the engine is off. The vapor is drawn into the engine and burned while riding.

Continued

Crankcase Emissions Control System

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere.
Blow-by gas is returned to the combustion chamber through the air cleaner and throttle body.

Fuel Permeation Emission Control

The fuel tank, fuel hoses, and fuel vapor charge hoses use fuel permeation control technologies to prevent fuel vapor emissions. Tampering with these components to reduce or defeat the effectiveness of the fuel permeation technologies is prohibited.

Noise Emission Control System

TAMPERING WITH THE NOISE CONTROL SYSTEM IS PROHIBITED:

U. S. federal law prohibits, and Canadian provincial laws may prohibit, the following acts or the causing thereof: (1) The removal or rendering inoperative by any person, other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE FOLLOWING ACTS:

- Removal of, or puncturing the muffler, baffles, header pipes or any other component which conducts exhaust gases.
- Removal of, or puncturing of any part of the intake system.
- Lack of proper maintenance.
- Removing or disabling any emissions compliance component, or replacing any compliance component with a noncompliant component.

Problems Affecting Vehicle Exhaust Emissions

Have your vehicle inspected and repaired by your dealer if you experience any of the following symptoms:

- Hard starting or stalling after starting
- Rough idling
- Misfiring or backfiring during acceleration
- Poor engine performance and poor fuel economy

Catalytic Converter

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

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

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

- Always use unleaded gasoline. Leaded gasoline will damage the catalytic converters.
- Keep the engine in good running condition. A poorly running engine can cause the catalytic converter to overheat, causing damage to the converter or the vehicle.
- If your engine is misfiring, backfiring, stalling, or otherwise not running properly, stop riding and turn off the engine. Have your vehicle serviced as soon as possible.

Oxygenated Fuels

Some conventional fuels blended with alcohol or an ether compound are available in some locales to help reduce emissions to meet clean air standards. These gasolines are collectively referred to as oxygenated fuels. If you plan to use oxygenated fuel, check that it is unleaded and meets the minimum octane rating and blend requirement.

The following fuel blends have been approved for use in your vehicle:

- Ethanol (ethyl alcohol) up to 10% by volume.
  ▶ Gasoline containing ethanol may be marketed under the name Gasohol.
- Do not use gasoline containing methanol (methyl alcohol).

If you accidentally fill your fuel tank with an oxygenated fuel containing higher percentages, you may experience performance problems. To resolve the problem, have your dealer drain the fuel tank and replace with the correct fuel. Fuel system or performance problems resulting from the use of an oxygenated fuel containing higher percentages are not covered by your warranty.

NOTICE

Improper use of oxygenated fuels can damage metal, rubber, and plastic parts of your fuel system.
Oxygenated fuel can also damage paint.
Damage caused by spilled fuel is not covered by warranty.

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

Authorized Manuals

USA The Service Manual used by your authorized dealer is available from your Honda dealer or Helm, Inc.
Canada See your dealer to order authorized manuals.

Also available, but not necessary to service your model, is the Honda Common Service Manual, which explains basic service information for various systems on Honda motorcycles, scooters, ATV, and SxS.

USA The Winter Storage Guide in conjunction with the Owner's Manual and Service Manual can help you prepare your Honda motorcycle, scooter, ATV, and SxS for winter storage.

These Honda manuals are written for the professional technician. However, if you possess the proper tools, observe the safety standards, and are mechanically capable, you should find them easy to use.
Special Honda tools are necessary for some procedures.

USA
Order online: www.helminc.com

Order Toll Free: 1-888-CYCLE93
(1-888-292-5393)
(NOTE: For Credit Card Orders Only)
Monday - Friday 8:00 AM - 6:00 PM ET

Description
2023 NC750X Service Manual
Common Service Manual (61CSM00)
USA Winter Storage Guide (S9507)
2023 NC750X Owner's Manual

Warranty Coverage and Service

Coverage

Your new Honda is covered by the following warranties:

- Vehicle Limited Warranty
- Emission Control System Warranty
- USA Noise Control Warranty

The responsibilities, restrictions, and exclusions that apply to these warranties are explained in the Warranties Booklet given to you by your Honda dealer at the time of purchase. Always keep your Honda owner's card with your Warranties Booklet.

Canada Please refer to the Warranty Booklet posted on our website at www.honda.ca.

It is important to realize that your warranty applies only to defects in material or workmanship of your Honda. Your warranty coverage does not apply to the normal wear and deterioration associated with use of the vehicle.

Your warranty coverage is not voided if you perform your own maintenance. However, failures that occur due directly to improper maintenance are not covered by these warranties.

USA You can extend almost all of your warranty coverage through the HondaCare® Protection Plan. For more information, see your Honda dealer.

Statement on Warranty Coverage for Aftermarket and Recycled Parts

The Magnuson-Moss Warranty Act, 15 U.S.C. s. 2301 et seq., makes it illegal for motor vehicle manufacturers to void a motor vehicle warranty or deny warranty coverage solely because an aftermarket or recycled part has been used to repair the vehicle or someone other than the authorized service provider performed service on the vehicle. This provision does not apply to a new motor vehicle purchased solely for commercial or industrial use.

Under federal law, a manufacturer may deny warranty coverage and charge for repairs to a vehicle if it is discovered that an aftermarket or recycled part installed on the vehicle is defective or was installed incorrectly and caused damage to another part of the vehicle otherwise covered under warranty. The Federal Trade Commission requires that a manufacturer demonstrate that an aftermarket or recycled part or service performed by a person other than an authorized service provider caused damage to another part of the vehicle otherwise covered under warranty before denying warranty coverage. Additionally, federal law allows a manufacturer to void a motor vehicle warranty or deny warranty coverage if the manufacturer provides the article or service to consumers free of charge under the warranty or the manufacturer has secured a waiver from the Federal Trade Commission.

Service

Please remember that maintenance recommended in the Maintenance Schedule is not included in your warranty coverage.

If you believe you have a problem with your vehicle, call the service department of your Honda dealer. Make an appointment for an inspection and diagnosis. You will be asked to authorize that inspection, and your dealer will return the results of the inspection. If a problem exists and is covered under warranty, your dealer will perform the warranty repairs. If you have any questions about your warranty coverage or the nature of the repair, talk to the Service Manager of your Honda dealer.

If a misunderstanding occurs and you aren't satisfied with your dealer's handling of the situation, we suggest you discuss your problem with the appropriate member of the dealership's management team. If you are still not satisfied, contact the owner of the dealership or their designated representative.

Honda Contacts

American Honda Motor Co., Inc.

If you wish to contact Honda directly to comment on your experiences with your vehicle or with your dealer, please send your comments using one of the following methods:

POST MAIL

Powersports Customer Relations
American Honda Motor Co., Inc.
P.O. Box 2200, Torrance, CA 90509-2200
Mailstop: 100-4W-5F

PHONE

Telephone: (866) 784-1870

ONLINE CUSTOMER SERVICE

Website: *https://powersports.honda.com/contact-us*

Canada

Honda Canada Inc.
Customer Relations Department,
180 Honda Boulevard
Markham, Ontario
L6C 0H9
Telephone: (888) 946-6329
Fax: (877) 939-0909
E-mail: honda_cr@ch.honda.com

Please include the following information in your letter:

- Name, address, and telephone number
- Product model, year, and VIN
- Date of purchase
- Dealer name and address

We will likely ask your Honda dealer to respond, or possibly acknowledge your comments directly.

Your Honda Dealer

The service department of your Honda dealer offers trained personnel to perform regular maintenance and unexpected repairs. It has the latest available service information from Honda and also handles warranty inspections and repairs.

The parts department offers Honda Genuine Parts, Pro Honda products, Honda Accessories (USA only), and Honda accessories and products (Canada only) that provide the same quality that went into your vehicle.

USA The sales department offers the HondaCare® Protection Plan to extend almost all of your warranty coverage.

Your Honda dealer can also supply information about riding events and information about safety training available in your local area.

Reporting Safety Defects

USA

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying American Honda Motor Co., Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or American Honda Motor Co., Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at: 1-888-327-4236
(TTY: 1-800-424-9153); go to *https://www.safercar.gov*;
or write to:
Administrator, NHTSA,
1200 New Jersey Avenue, SE.,
Washington, DC 20590.
You can also obtain other information about motor vehicle safety from: *https://www.safercar.gov*.

Canada

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Honda Canada Inc. and you may also inform Transport Canada.

If Transport Canada receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may lead to a recall and remedy campaign. However, Transport Canada cannot become involved in individual problems between you, your dealer, or Honda Canada Inc.

To contact Transport Canada's Defect Investigations and Recalls Division,

Mailing Address:
Transport Canada - ASFAD
330 Sparks Street
Ottawa, ON
K1A 0N5

Telephone: 819-994-3328 (Ottawa-Gatineau area or internationally)
Toll free: 1-800-333-0510 (in Canada)

Online:
(English Link:) *www.tc.canada.ca/recalls*
(French Link:) *www.tc.canada.ca/rappels*

For more information on reporting safety defects or about motor vehicle safety, go to *https://www.tc.gc.ca/roadsafety*.

■ Main Components

Overall length	87.0 in (2,210 mm)	
Overall width	33.3 in (846 mm)	
Overall height	52.4 in (1,330 mm)	
Wheelbase	**NC750XA**	60.0 in (1,525 mm)
	NC750XD	60.4 in (1,535 mm)
Minimum ground clearance	5.7 in (145 mm)	
Caster angle	27°	
Trail	4.3 in (110 mm)	
Curb weight	**NC750XA**	472 lb (214 kg)
	NC750XD	494 lb (224 kg)
Maximum weight capacity *1	430 lb (195 kg)	
Maximum luggage weight	Luggage box	11.0 lb (5.0 kg)
Passenger capacity	Rider and 1 passenger	
Minimum turning radius	9.84 ft (3.00 m)	
Displacement	45.4 cu-in (745 cm^3)	
Bore x stroke	3.03 x 3.15 in (77.0 x 80.0 mm)	
Compression ratio	10.7 : 1	
Fuel	Unleaded gasoline Recommended: 86 PON or higher	
Tank capacity	3.73 US gal (14.1 L)	

Battery	YTZ12S 12 V-11.0 Ah (10 HR)	
Gear ratio	1st	2.666
	2nd	1.904
	3rd	1.454
	4th	1.178
	5th	0.967
	6th	0.815
Reduction ratio (primary / final)	**NC750XA**	1.731 / 2.687
	NC750XD	1.921 / 2.411

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

Service Data

Tire size	Front	120/70ZR17M/C(58W)
	Rear	160/60ZR17M/C(69W)
Tire type		Radial, tubeless
Recommended Tire	Front	DUNLOP D609F
		METZELER TOURANCE NEXT N
	Rear	DUNLOP D609
		METZELER TOURANCE NEXT
Tire air pressure	Front	36 psi (250 kPa, 2.50 kgf/cm²)
	Rear	42 psi (290 kPa, 2.90 kgf/cm²)
Minimum tread depth	Front	0.06 in (1.5 mm)
	Rear	0.08 in (2.0 mm)
Spark plug	(standard)	IFR6G-11K (NGK)
Spark plug gap	(non-adjustable)	0.039 - 0.043 in (1.00 - 1.10 mm)
Idle speed	(non-adjustable)	1,200 ± 100 rpm
Recommended engine oil	API Service Classification SJ or higher except oils labeled as energy conserving or resource conserving on the circular API service label, SAE 10W-30, JASO T 903 standard MA, Pro Honda GN4 4-stroke oil (USA & Canada) or Honda 4-stroke oil, or an equivalent motorcycle oil	

Engine oil capacity	**NC750XA**	After draining	3.6 US qt (3.4 L)
		After draining & engine oil filter change	3.8 US qt (3.6 L)
		After disassembly	4.2 US qt (4.0 L)
	NC750XD	After draining	3.3 US qt (3.1 L)
		After draining & engine oil filter change	3.6 US qt (3.4 L)
		After draining, engine & clutch oil filter change	3.6 US qt (3.4 L)
		After disassembly	4.2 US qt (4.0 L)
Recommended brake fluid	Honda DOT 4 Brake Fluid		
Cooling system capacity	1.79 US qt (1.69 L)		

Recommended coolant	Pro Honda HP Coolant		
Recommended drive chain lubricant	Pro Honda HP Chain Lube or equivalent		
Drive chain slack	1 - 1 3/8 in (25 - 35 mm)		
Standard drive chain	DID 520V0 or RK 520KHO No. of links 114		
Standard sprocket size	**NC750XA**	Drive sprocket	16T
		Driven sprocket	43T
	NC750XD	Drive sprocket	17T
		Driven sprocket	41T

■ Bulbs

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

■ Fuses

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

Information Record

VIN	
Engine No.	
Color Label & Code	
Owner's Name	
Address	
City/State	
Phone	
Dealer's Name	
Address	
City/State	
Phone	
Service Manager	

California Proposition 65 Warning

⚠**WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

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