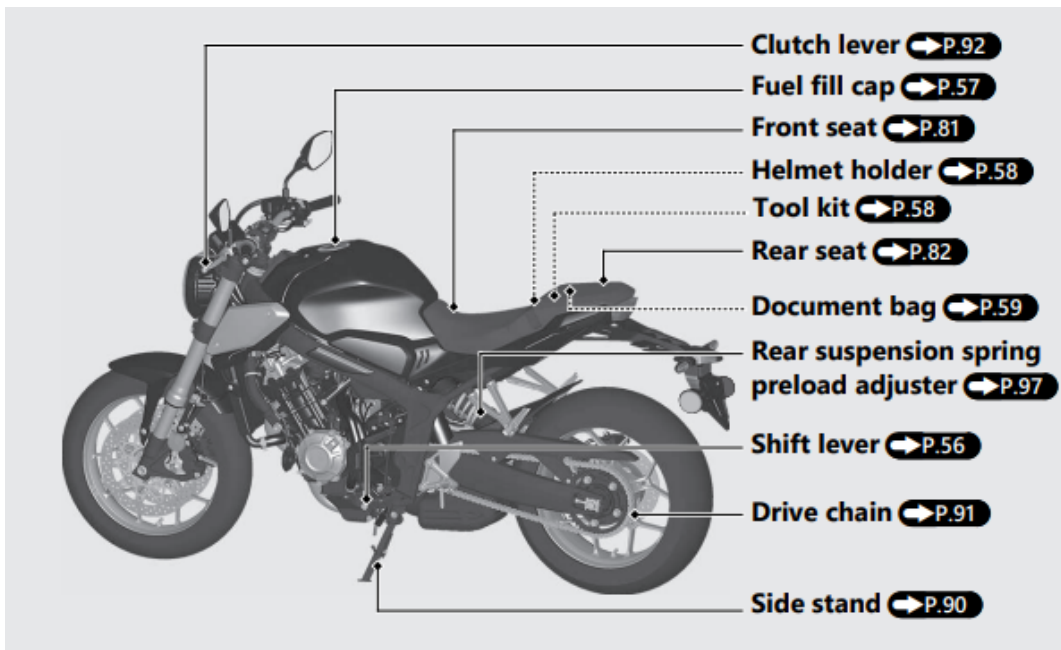
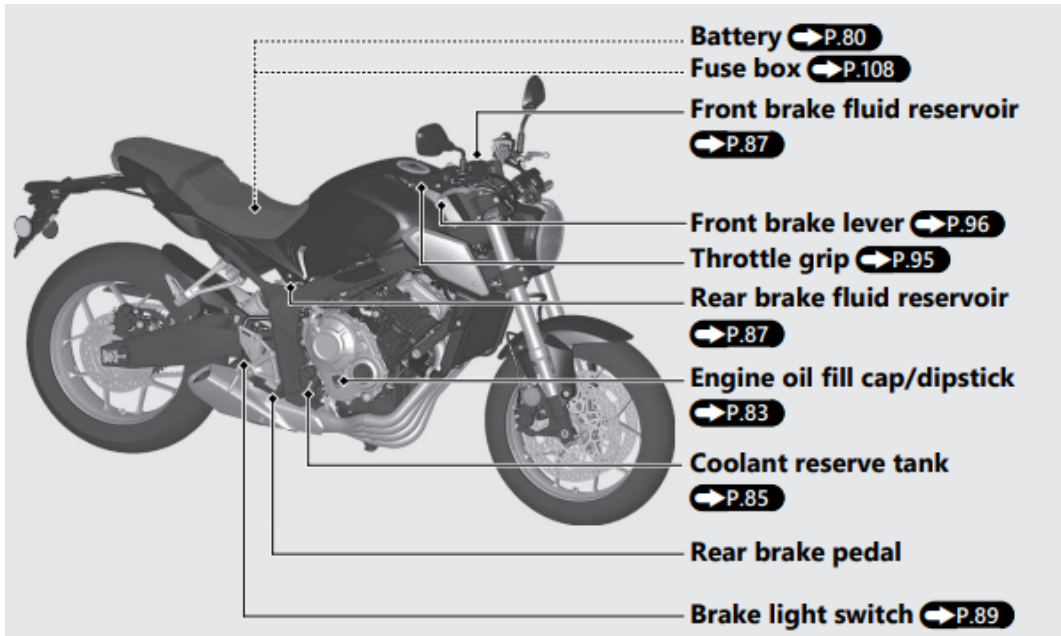
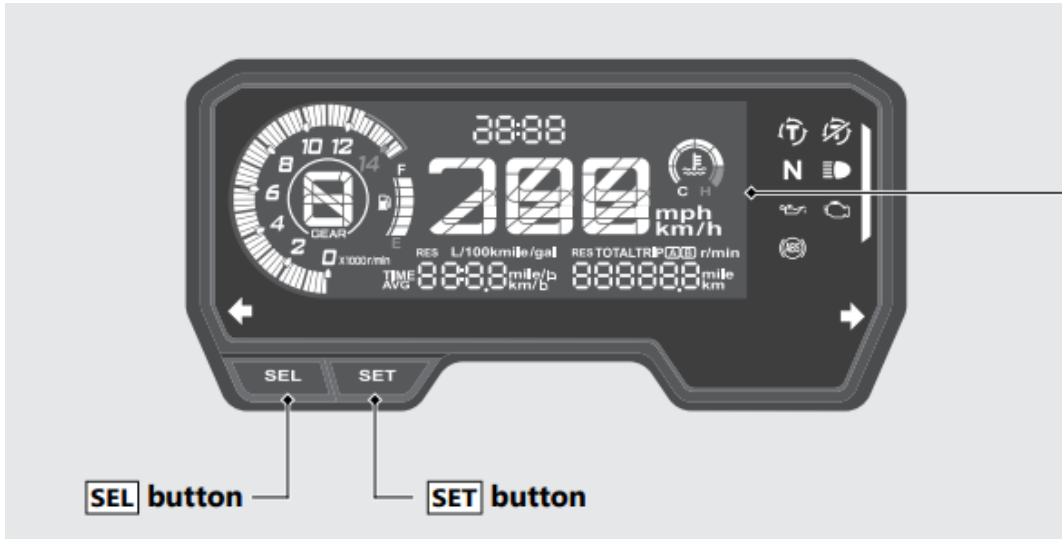


Operation Guide

Parts Location



Instruments



Display Check

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

Tachometer red zone
(excessive engine rpm range)

Clock (12-hour or 24-hour display)
To set the clock: [P.31](#)

Speedometer

Section B display
[P.25](#)

Section A display [P.21](#)

Gear position indicator
The gear position is shown in the gear position indicator.
▶ "-" appears when the transmission is not shifted properly.


Tachometer

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




Coolant temperature gauge
 When the coolant is over the specified temperature, the segment H flashes.

If the segment H flashes while riding: ➔P.100
If the coolant temperature gauge indicator flashes: ➔P.105



Fuel gauge
 Remaining fuel when only 1st (E) segment starts flashing: approximately 0.85 US gal (3.2 L)

If the fuel gauge indicator flashes in a repeat pattern or turns off: ➔P.104



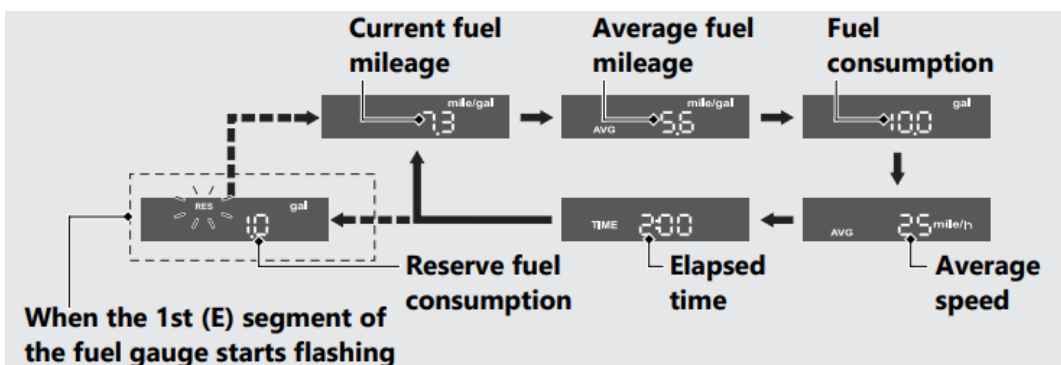
Section A display

You can select the following:

- Current fuel mileage
- Average fuel mileage [AVG]
- Fuel consumption
- Average speed [AVG]
- Elapsed time [TIME]
- Reserve fuel consumption [RES]

Changing the section

A display With the **SEL** button, you can switch the section A display between the current fuel mileage, average fuel mileage, fuel consumption, average speed, elapsed time, and reserve fuel consumption.



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

Current fuel mileage

Displays the current instant fuel mileage.

Display range: 0.0 to 300.0 mile/gal (L/100 km or km/L)

- More than 300.0 mile/gal (L/100 km or km/L): "300.0" is displayed.
- When your speed is less than 4 mph (6 km/h): "---." is displayed.

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

Average fuel mileage [AVG]

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

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

Also, the average fuel mileage for tripmeter A will be displayed when the odometer, tripmeter A, numerical tachometer and reserve tripmeter are selected.

Display range: 0.0 to 300.0 mile/gal (L/100 km or km/L)

- More than 300.0 mile/gal (L/100 km or km/L): "300.0" 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

Fuel consumption

Displays the fuel consumption since the selected tripmeter was reset.

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

Also, the fuel consumption for tripmeter A will be displayed when the odometer, tripmeter A, numerical tachometer and reserve tripmeter are selected.

Display range: 0.0 to 300.0 gal (gallon) or 0.0 to 300.0 L (liters)

- More than 300.0 gal (gallon) or 300.0 L (liters): "300.0" is displayed.

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

To reset the fuel consumption: (P.27)

Average speed [AVG]

Displays the average speed since the selected tripmeter was reset.

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

Also, the average speed for tripmeter A will be displayed when the odometer, tripmeter A, numerical tachometer and reserve tripmeter are selected.

Display range: 0 to 185 mile/h (0 to 299 km/h)

- Initial display: “---” is displayed.
- When your vehicle has traveled less than 0.12 mile (0.2 km) since the engine was started: “---” is displayed.
- When your vehicle operating time is less than 30 seconds since the engine was started: “---” is displayed.

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

Elapsed time [TIME]

Displays the operating time since the selected tripmeter was reset.

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

Also, the elapsed time for tripmeter A will be displayed when the odometer, tripmeter A, numerical tachometer and reserve tripmeter are selected.

Display range: 0:00 to 99:59 (hours:minutes)

- The elapsed time return to 0:00 when the readout exceeds 99:59.

Reserve fuel consumption [RES]

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 or elapsed time switches to the reserve fuel consumption. You should refill the tank as soon as possible.

- Flashes from “0.0” gal or L.
 - When the amount of consumed fuel is more than 0.42 US gal (1.6 L, 0.35 Imp gal), the “RES” mark on the display blinks faster.

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

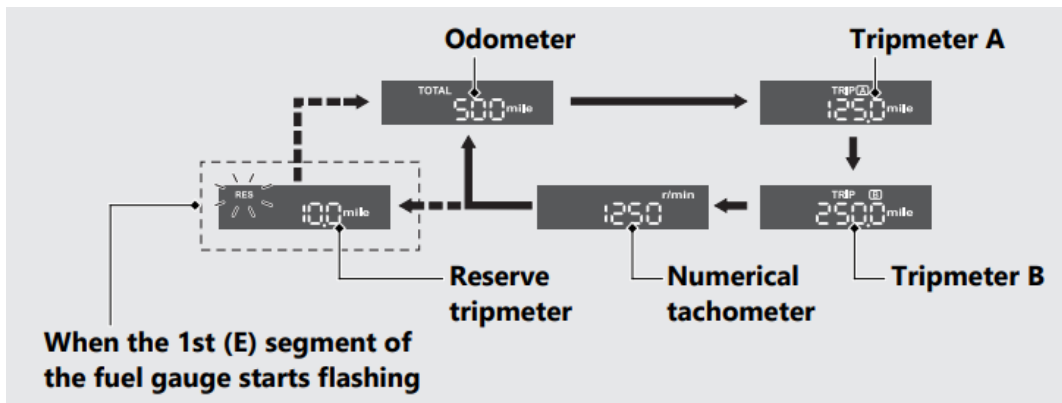
Section B display

You can select the following:

- Odometer [TOTAL]
- Tripmeter [TRIP A/B]
- Numerical tachometer
- Reserve tripmeter [RES]

Changing the section B display

With the **SET** button, you can switch the section B display between the odometer, tripmeter A, tripmeter B, numerical tachometer, and reserve tripmeter



Odometer [TOTAL]

Total distance ridden.

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

Tripmeter [TRIP A/B]

Distance ridden since tripmeter was reset.

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

Numerical tachometer

Displays the engine revolutions per minutes digit.

Display range: 0 to 15,000 r/min

Reserve tripmeter [RES]

Distance ridden since the 1st (E) segment of the fuel gauge starts flashing.

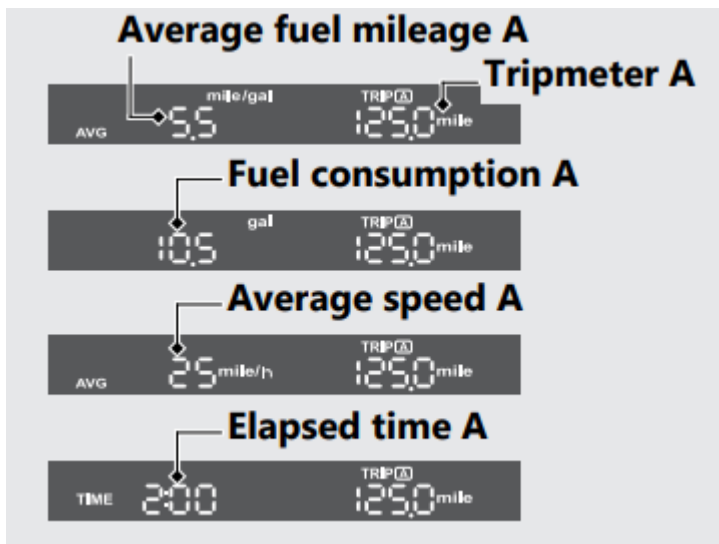
When the 1st (E) segment of the fuel gauge starts flashing, the odometer, tripmeters or numerical tachometer switches to the reserve tripmeter. You should refill the tank as soon as possible.

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

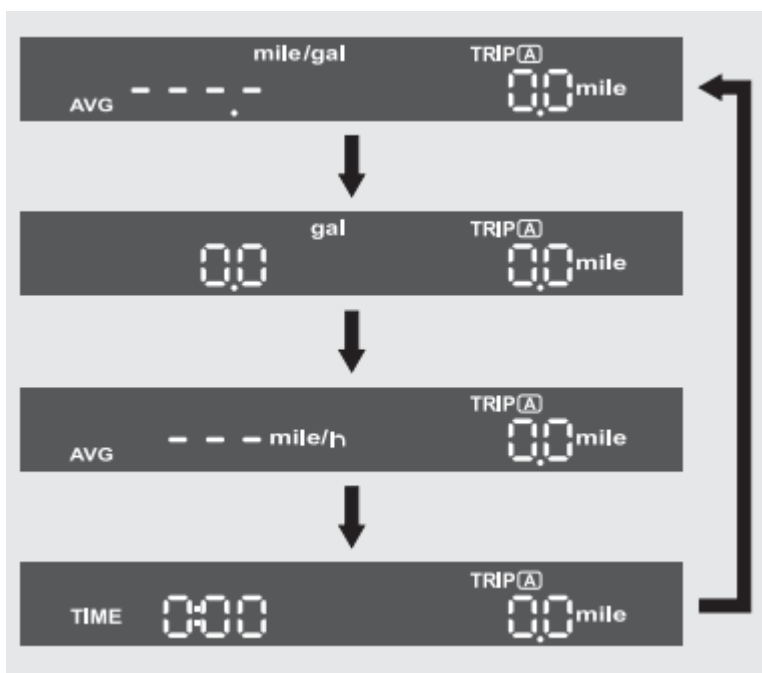
After refueling more than the reserve amount, the display returns to normal.

To reset the tripmeter [TRIP A/B], average fuel mileage [AVG], fuel consumption, average speed [AVG] and elapsed time

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

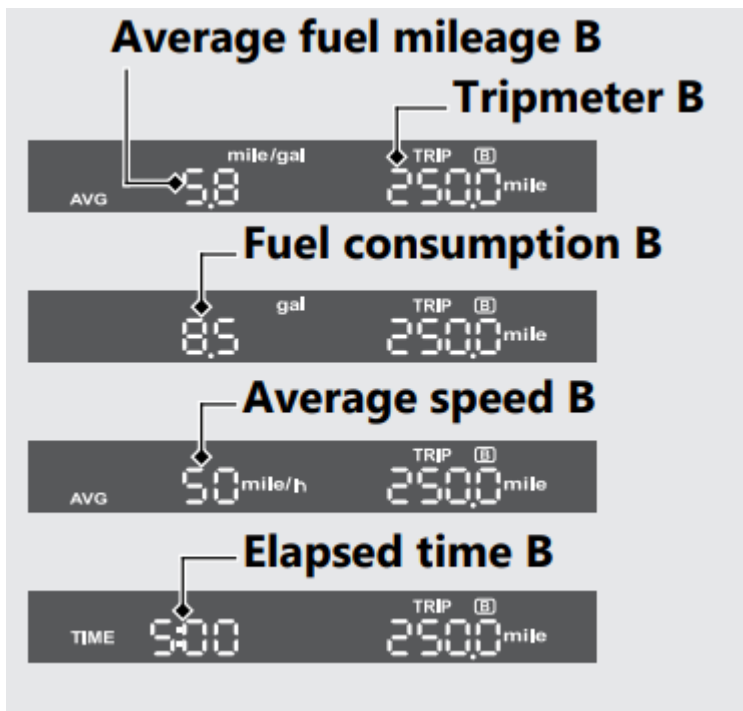


When they are reset, reset display appears at each indication. Then, the display returns to the last selected indication. Also, the tripmeter A, average fuel mileage, fuel consumption, average speed and elapsed time will be automatically reset by refueling more than the reserve amount and riding your vehicle for 0.06 mile (0.1 km). You can activate or deactivate the automatic reset mode by refueling

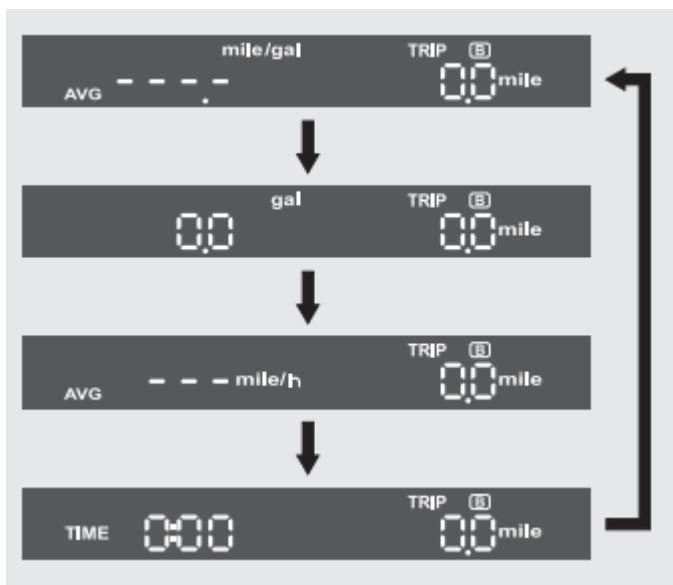


To reset the tripmeter B, average fuel mileage B, fuel consumption B, average speed B and and elapsed time B (these are based on tripmeter B) together, press and hold the **SET** button while tripmeter B is displayed.





When they are reset, reset display appears at each indication. Then, the display returns to Operation Guide the last selected indication.



Display Setting

Setting Mode A

Following items can be changed sequentially.

- Time format setting
- Clock setting
- Backlight brightness adjustment

- Activating/deactivating of tripmeter A, average fuel mileage, fuel consumption, average speed and elapsed time automatic reset mode
- Changing the speed and mileage unit
- Changing the fuel mileage meter unit(only when km unit system is selected)

Setting Mode B

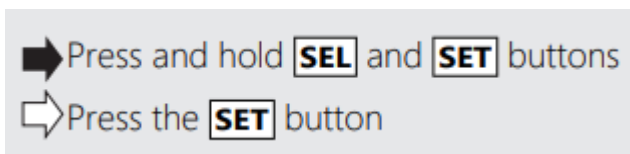
Following items can be changed sequentially.

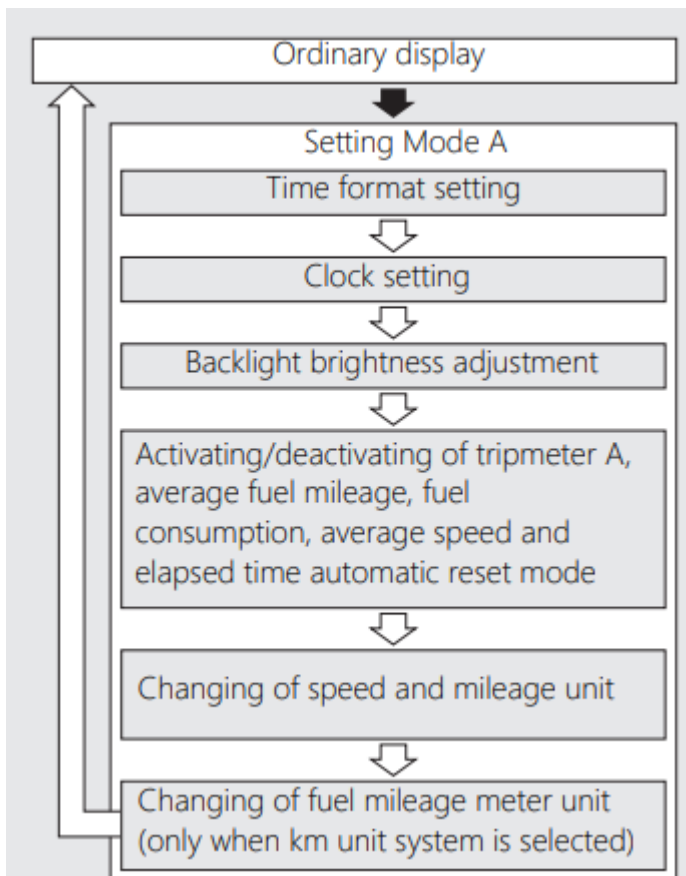
- Setting of REV indicator
 - RPM setting
 - Interval RPM setting
 - Brightness adjustment
- Changing of tachometer display mode

Setting Mode A

If the buttons are not pressed for about 30 seconds, the control is automatically switched 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 that were set and finalized will be applied. Only if the ignition switch is turned to the OFF position, items in the process of being set and those that are finalized will be applied.





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. Press and hold **SEL** and **SET** buttons until the current time format start flashing.



3. Press **SEL** button to select "12hr" or "24hr".
4. Press **SET** button. The time format is set, and then the display moves to the clock setting.



2. Clock setting:

1. Press **SEL** button until the desired hour is displayed.

- Press and hold **SEL** button to advance the hour quickly.



2. Press **SET** button. The minute digits start flashing.



3. Press SEL button until the desired minute is displayed.

- Press and hold SEL button to advance the minute quickly.



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

3. Backlight brightness adjustment:

You can adjust the brightness to one of five levels.

1. Press SEL button. The brightness level is switched.

- You can adjust the brightness level from five levels.



2. Press SET button. The backlight is set, and then the display moves to the activating/deactivating of tripmeter A, average fuel mileage, fuel consumption, average speed and elapsed time automatic reset mode.

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

You can activate or deactivate the automatic reset mode by refueling after the 1st (E) segment of the fuel gauge starts flashing. Initial setting is activation.

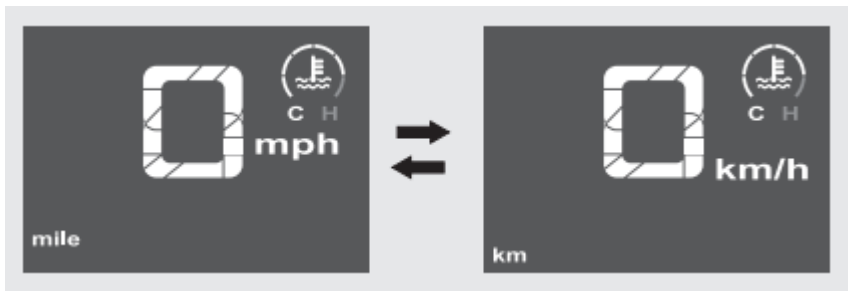
1. Press **SEL** button to select **On** (activate) or **OFF** (deactivate) in the automatic reset mode.



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

5 Changing of speed and mileage unit:

1. Press the **SEL** button to select either "mpht and "mile" or "km/h" and "km" .



2. When the "km/h" for speed and "km" for mileage are selected

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

When the "mph" for speed and "mile" for mileage are selected

Press **SET** button. The speed and mileage unit is set, and then the display moves to the ordinary display.

6. Changing the fuel mileage meter unit:

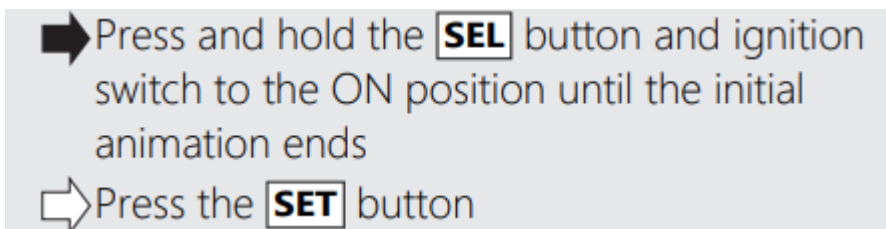
1. Press SEL button to select "L/100km" or "km/L".

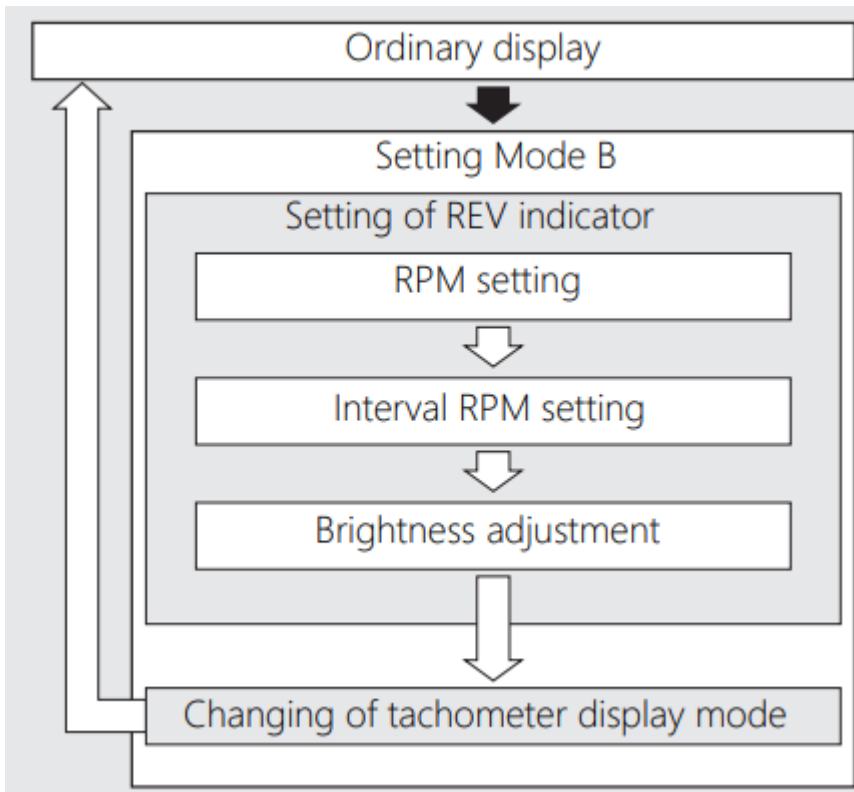


2. Press SET button. The fuel mileage meter unit is set, and then the display moves to the ordinary display.

Setting Mode B

If the buttons are not pressed for about 30 seconds, the control is automatically switched 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 that were set and finalized will be applied. Only if the ignition switch is turned to the OFF position, items in the process of being set and those that are finalized will be applied.

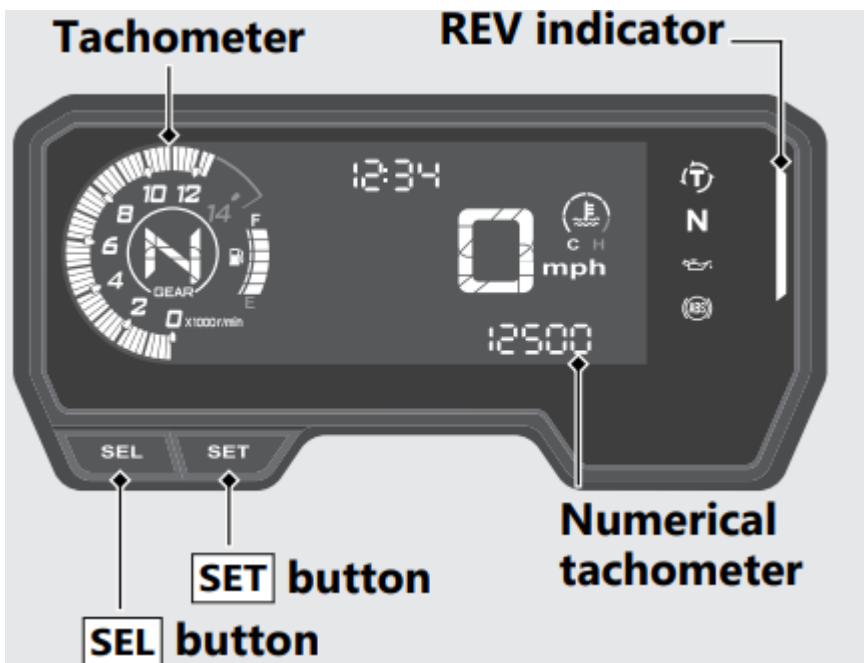




1. Setting of REV indicator:

You can change the setting of the REV indicator.

REV indicator blinks during setting



1. To change the setting mode B, turn the ignition switch to the ON position while pressing SEL button until the initial animation ends. The display moves to the setting of "REV indicator blinking



fastest RPM". At the same time, the numerical tachometer and the blinking bar segments show the current settings of the "REV indicator blinking fastest RPM".

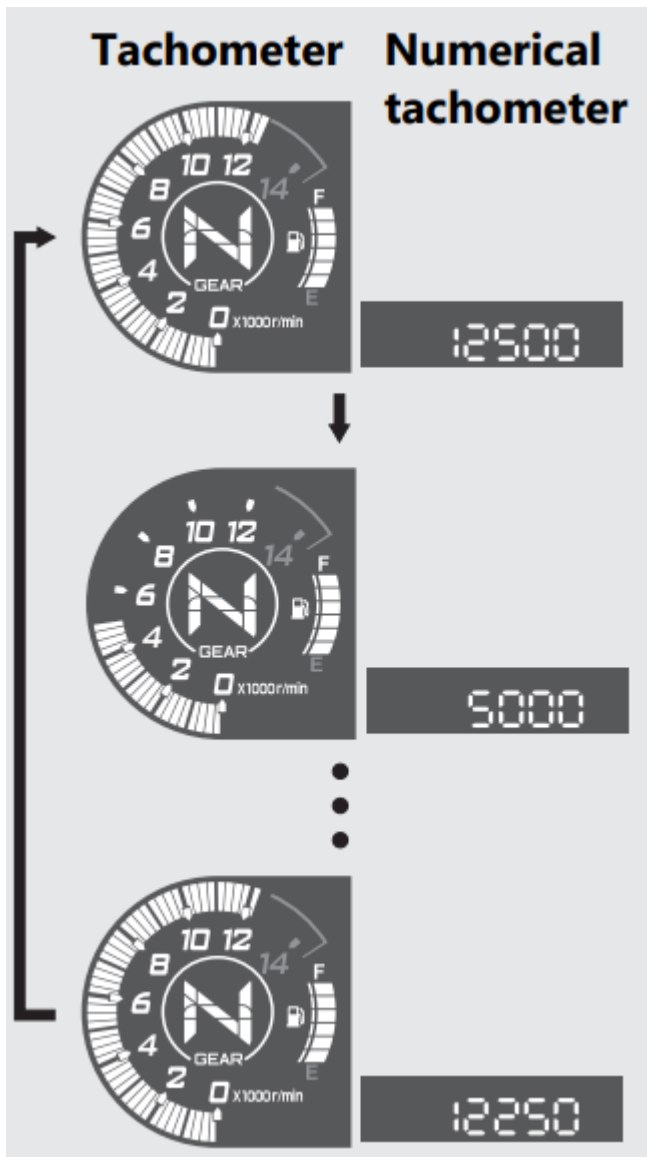
- Tachometer bar blinks only while setting of REV indicator.

2. Each time SEL button is pressed, the "REV indicator blinking fastest RPM" setting value will be increased by one segment (250 r/min (rpm)). When the "REV indicator blinking fastest RPM" setting value exceeds 12,500 r/min (rpm), the "REV indicator blinking fastest RPM" setting value automatically returns to 5,000 r/min (rpm).

- Press and hold SEL button to advance the "REV indicator blinking fastest RPM" setting value quickly.

Available Setting Range

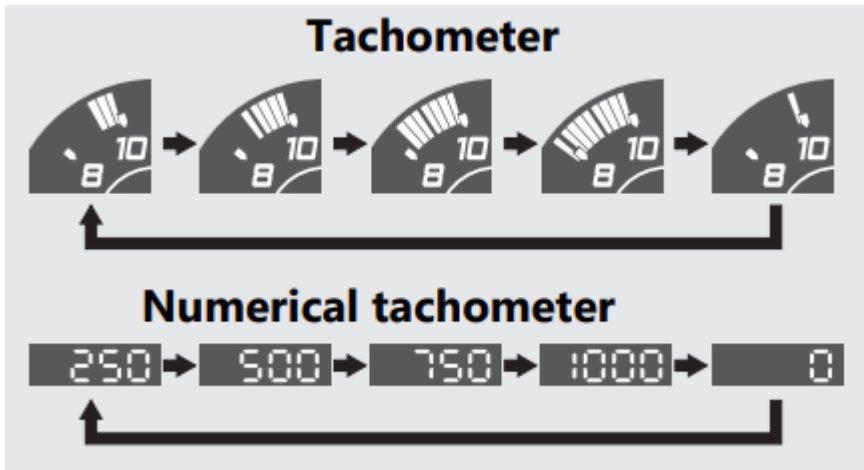
5,000 r/min (rpm) to 12,500 r/min (rpm)



3. Press SET button. The "REV indicator blinking fastest RPM" is set, and then the display moves to the setting of "REV indicator blinking interval RPM". At the same time, the numerical tachometer

shows the current "REV indicator blinking interval RPM" and the blinking bar segment show the current settings of the "REV indicator blinking fastest RPM".

4. Each time SEL button is pressed, the numbers of the "REV indicator blinking interval RPM" advances as follows: 250 r/min (rpm), 500 r/min (rpm), 750 r/min (rpm), 1,000 r/min (rpm) and 0 r/min (rpm).



5. Press SET button. The "REV indicator blinking interval RPM" is set, and then the display moves to the brightness adjustment of the REV indicator. The REV indicator switches from blinking to lighting.

6. Press SEL button. The brightness level is switched.

- You can adjust the brightness level from five levels.



7. Press SET button. The brightness of the REV indicator is set, and then the display moves to the display setting of the tachometer.

2. Changing of tachometer display mode:

You can change the display mode of the tachometer.

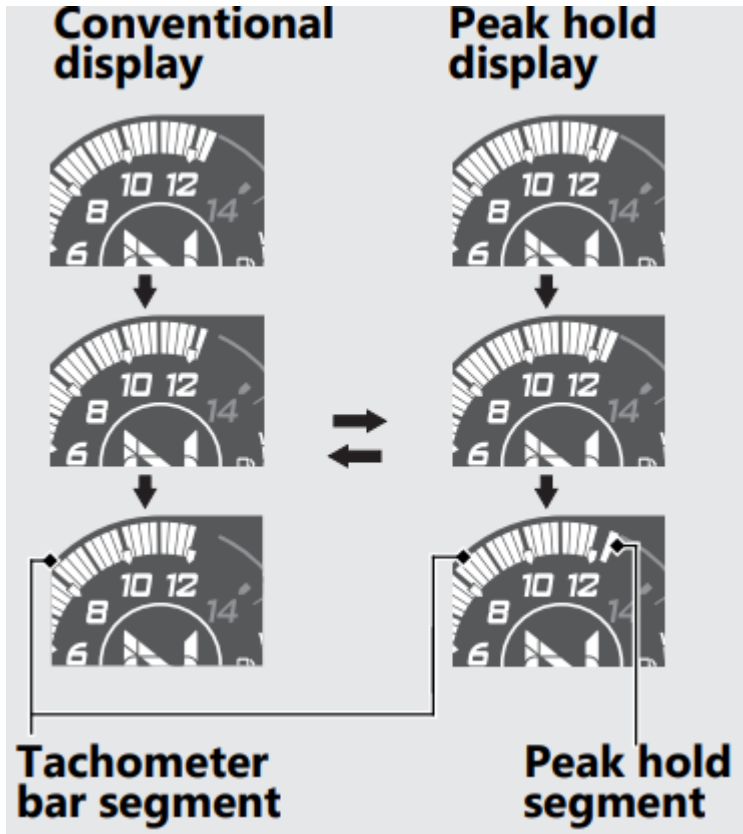
1. Press SEL button to switch the display mode of tachometer.
2. Press SET button. The currently selected display mode is set, and then the display moves to the ordinary display.

Conventional display

Shows the engine RPM on the tachometer bar segment.

Peak hold display

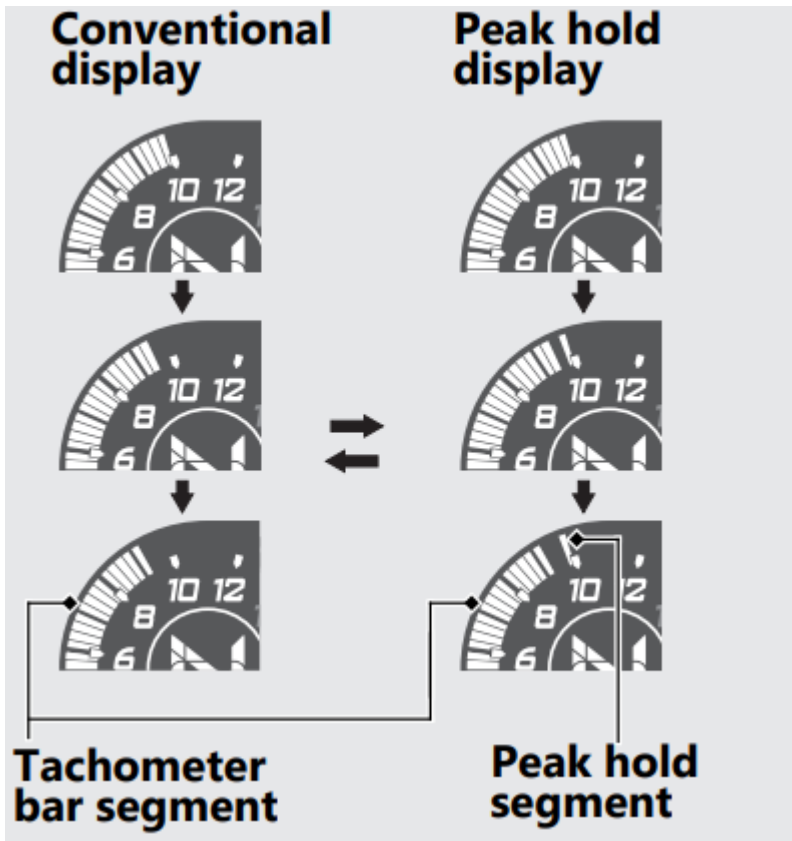
Shows the engine RPM on the tachometer bar segment and peak hold segment.



The peak hold segment keeps to show the maximum engine RPM temporarily.

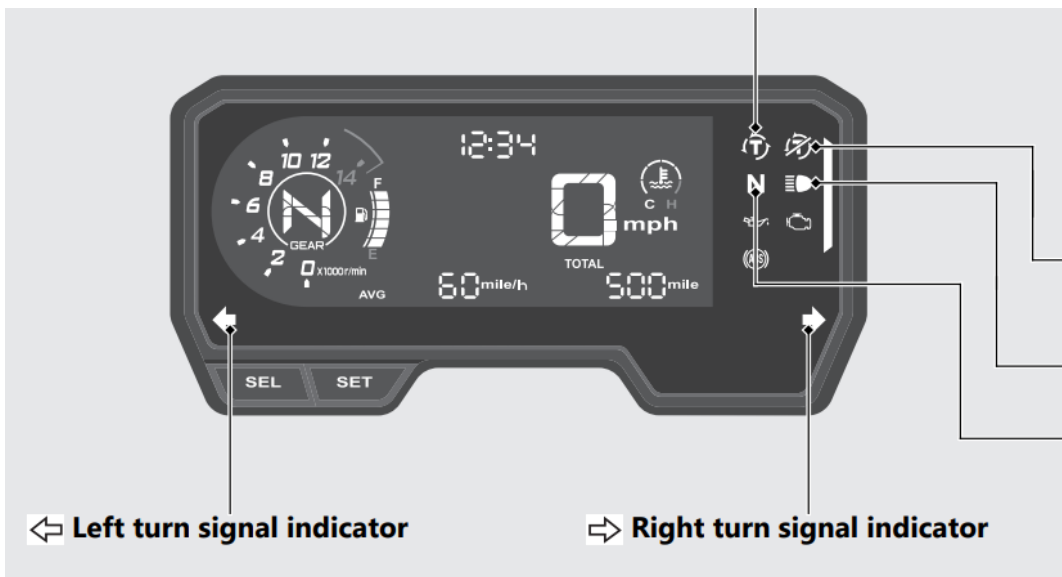
Example: Engine revolutions per minutes 10,000 r/min (rpm)







Indicators

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



—  **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.103**

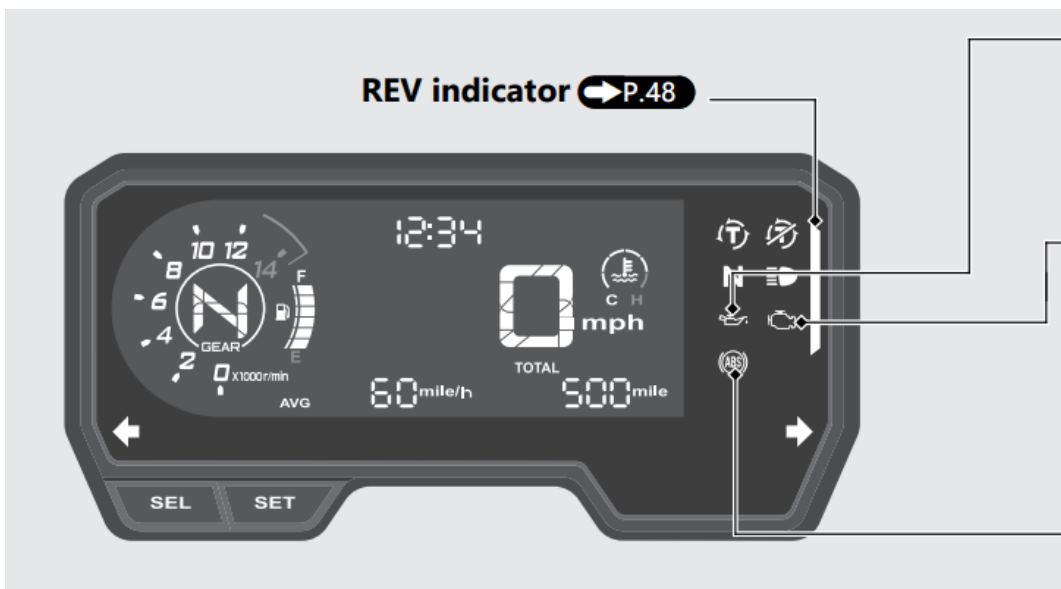
—  **Torque Control OFF Indicator**


- Comes on when the Torque Control is turned Off.

—  **High beam indicator**


—  **Neutral indicator**


Comes on when the transmission is in Neutral.






—  **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 engine is running:  **P.101**

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

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

If it comes on while engine is running:  **P.101**

—  **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.102**

REV Indicator

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

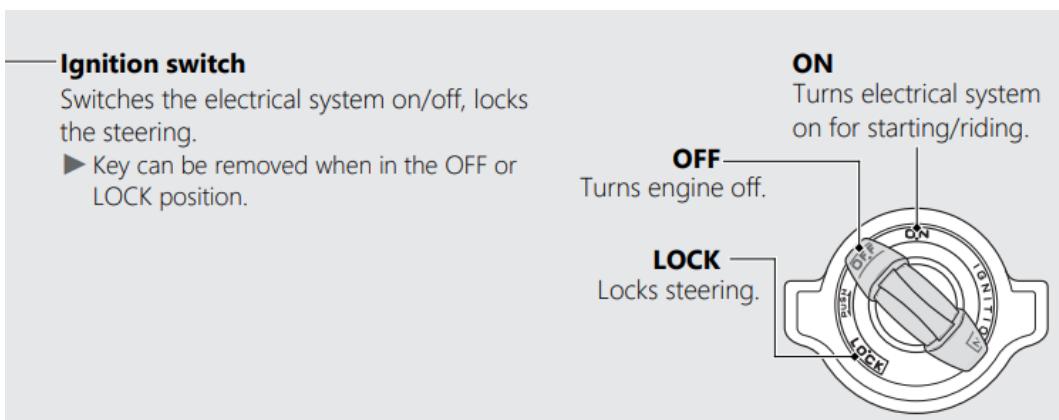
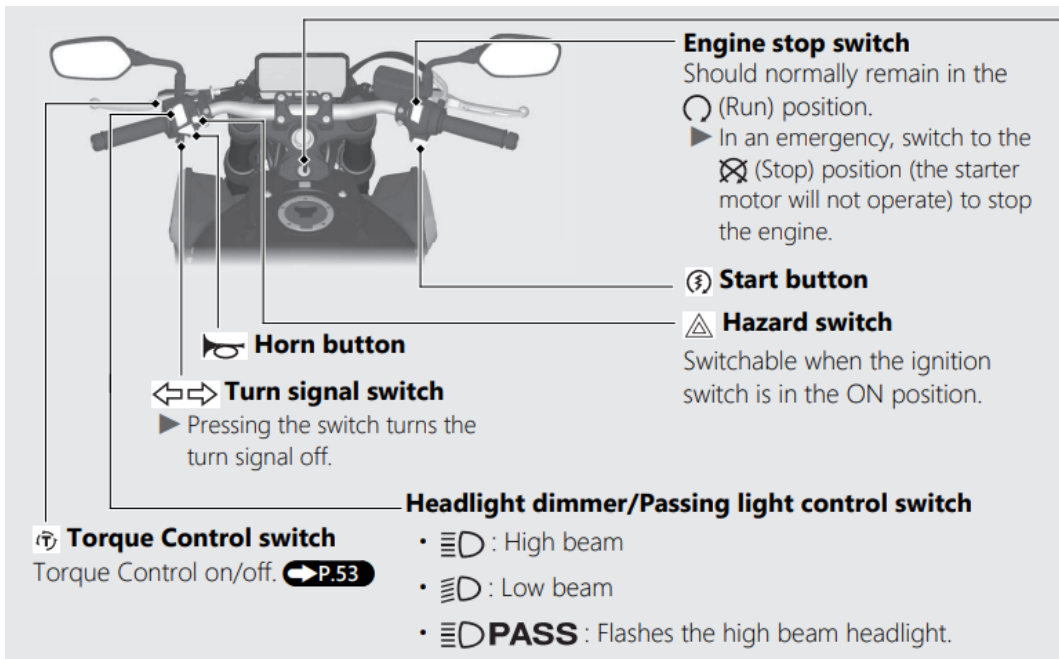
Initial setting

REV indicator blinking fastest RPM: 12,500 r/min (rpm)

REV indicator blinking interval RPM: 250 r/min (rpm)

REV indicator	r/min (rpm)
Blinking	12,000 r/min (rpm)
Blinking fast	12,250 r/min (rpm)
Blinking fastest	12,500 r/min (rpm)

Switches



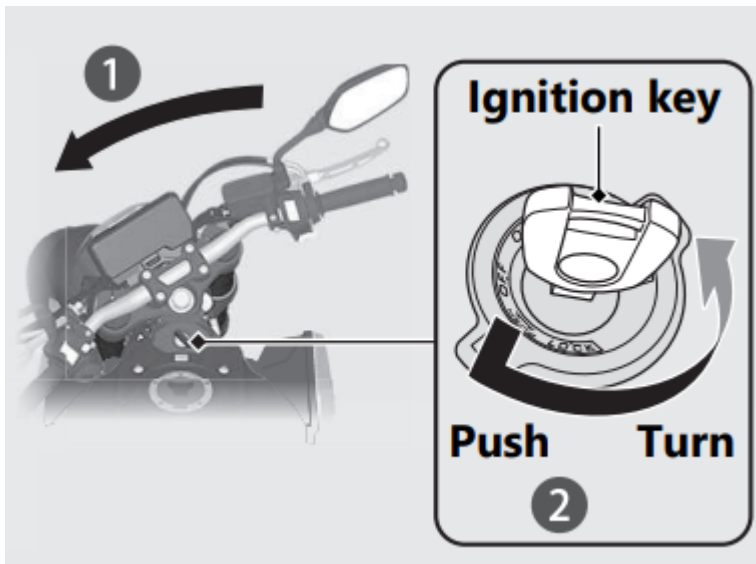
Steering Lock

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.

Troubleshooting

Engine Will Not Start

Starter Motor Operates But Engine Does Not Start


Check the following items:

- Check the correct engine starting sequence. 2 P. 54
- 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.

- Make sure engine stop switch is in the  (Run) position. 2 P. 50
- Check for a blown fuse.
- Check for a loose battery connection or battery terminal corrosion
- Check the condition of the battery.

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

Overheating (Segment H flashes in coolant temperature gauge)

The engine is overheating when the following occurs:

- The segment H flashes in the coolant temperature gauge.
- Acceleration becomes sluggish.

If this occurs, pull safely to the side of the road and perform the following procedure. Extended fast idling may cause the segment H to flash.

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.

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.

- Add coolant as necessary.

5. If 1-4 check normal, you may continue riding, but closely monitor the temperature gauge

Warning Indicators On or Flashing

Low Oil Pressure Indicator

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

1. Check the engine oil level, and add oil as necessary.
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.

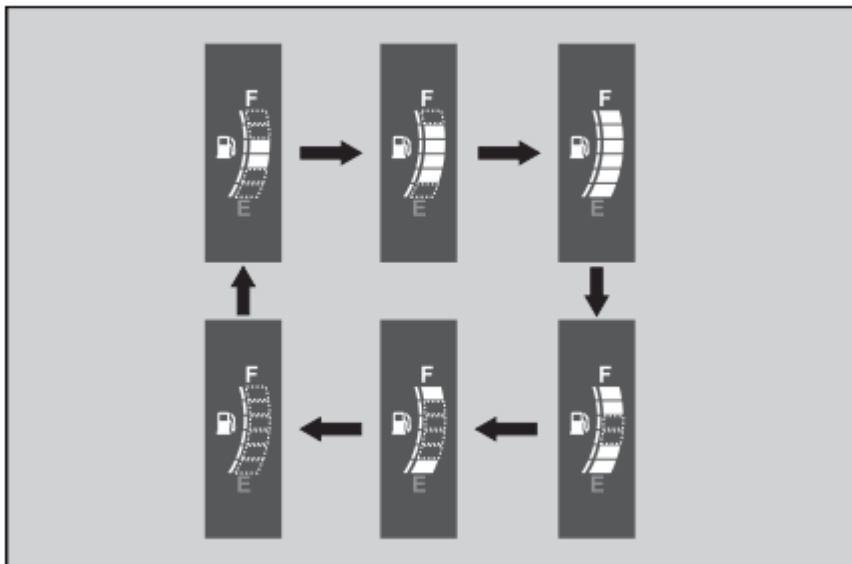
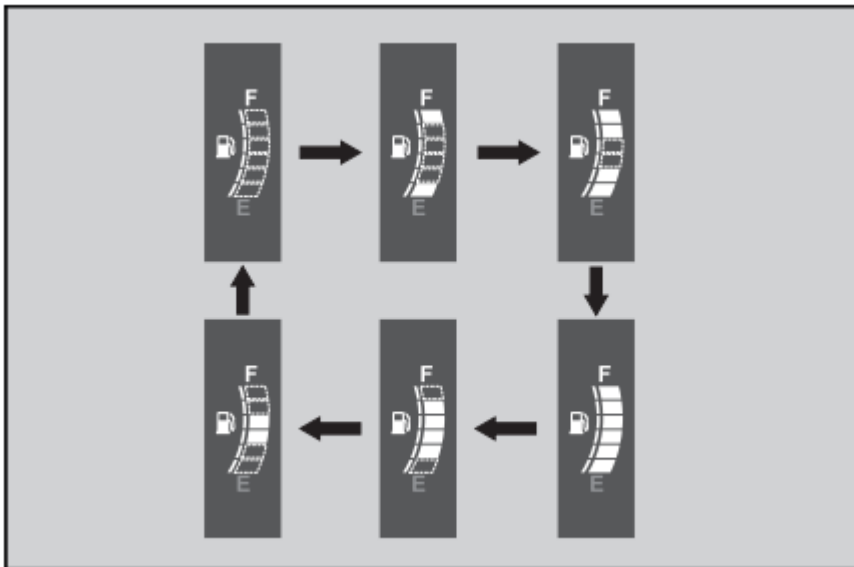
- When the indicator comes on while the Torque Control is in operation, you will have to completely close the throttle to regain normal riding ability.

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).

Other Warning Indications

Fuel Gauge Failure Indication

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



Coolant Temperature Gauge Failure Indication

If the cooling system has an error, all segments will blink as shown in the illustration. If this occurs, see your dealer as soon as possible.





Tire Puncture

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

After an emergency repair, always have the 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.

Electrical Trouble

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

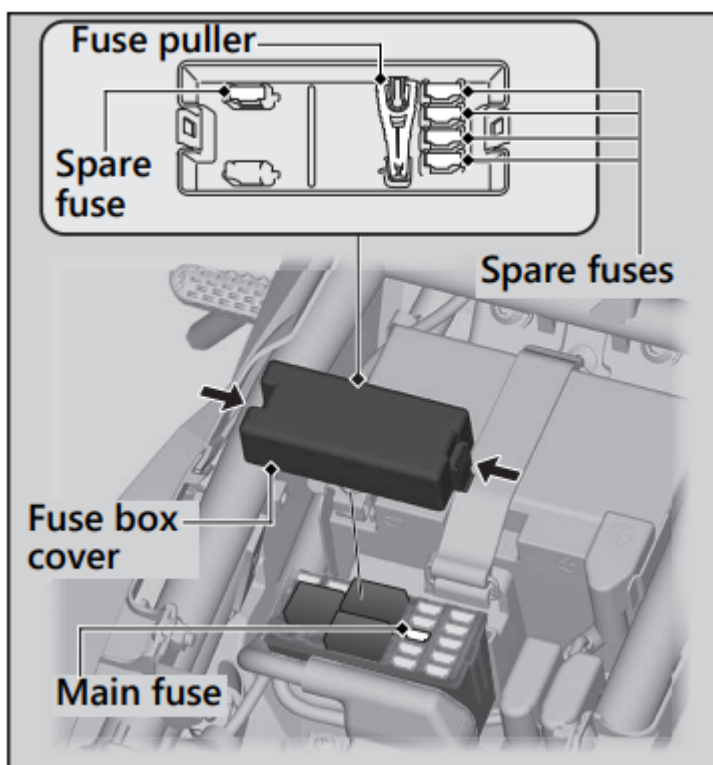
All light bulbs on the vehicle are LEDs. If there is an LED which is not turned on, see your dealer for servicing.

Blown Fuse

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

Fuse Box Fuses

1. Remove the front seat.
2. Remove the fuse box cover.
3. Pull the main fuse and other fuses out one by one with the fuse puller provided in underside of the fuse box cover and check for a blown fuse. Always replace a blown fuse with a spare fuse of the same rating.
 - Spare fuses are provided in underside of the fuse box cover.
4. Reinstall the parts in the reverse order of removal.



Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.