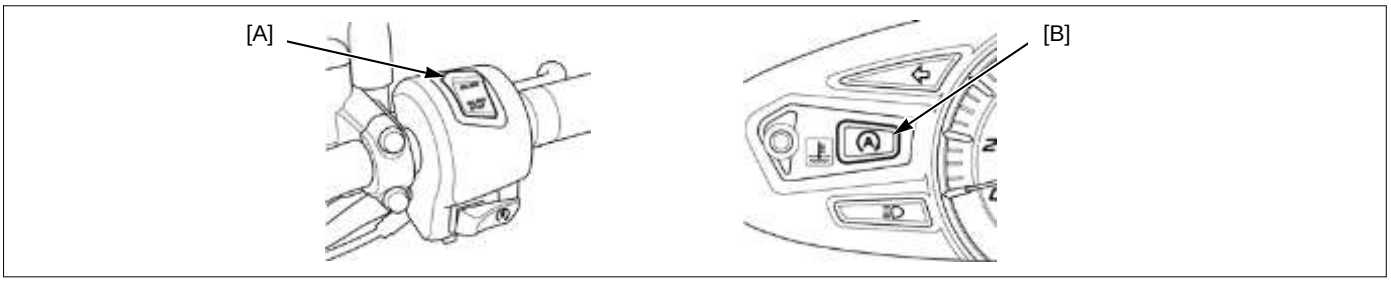
IDLING STOP SYSTEM

CONVENTIONAL IDLING STOP SYSTEM DESCRIPTION

SYSTEM OUTLINE

The idling stop system stops the engine three seconds after the vehicle makes a stop when the engine is completely warmed up, and restarts the engine with throttle operation.

This system can be turned ON/OFF with the idling stop switch [A] operation. The system is activated when the switch is at “IDLING STOP” position and the indicator [B] turns ON. When the vehicle makes a stop and the system stops the engine, the indicator starts blinking to notify the rider that the engine can be restarted any time.



IDLING STOP SYSTEM OPERATION

- OPERATING CONDITION
  – Idling stop switch [A] is at “IDLING STOP” position
  – Coolant temperature higher than 60°C (140°F) is detected by ECT sensor [B] (engine warm-up is complete)
- SYSTEM OPERATION WHEN THE VEHICLE MAKES A STOP
  – After the VS sensor [C] detects the vehicle speed has already reached faster than 10 km/h, when the TP sensor [D] detects the completely closed throttle and the VS sensor detects 0 km/h, ECM [E] cuts off the fuel injection to stop the engine, starting the idling stop operation.
- SYSTEM OPERATION WHEN THE VEHICLE RESTARTS
  – During idling stop operation, the engine restarts and vehicle starts running when the TP sensor detects the throttle operation. However, if the sidestand switch [F] detects that the sidestand is lowered during the idling stop operation, the system will be disabled in order to prevent the vehicle from falling. The engine can not be restarted with the throttle operation.