Electronic Cruise Control for

Suzuki GSF1250S Bandit

The following provides a brief description of the power consumption and component locations of the MotorCycle Setup electronic cruise control.

Installed weight of the cruise control is approximately 2.5kg.

Current draw while the cruise is switched on, but not engaged, is approximately 0.2 amp (2.5 watts). Current draw while the cruise is engaged is nominally 0.50~1 amp (6~12 Watts).

By comparison, a head light bulb typically draws about 4 amps (55 Watts), and a tail light bulb (running light) draws about 0.4 amp (5 Watts).

Refer to the line drawing at the end of this document to identify the components from the numbers in the text.

The **Computer (1)** mounts in the rear storage compartment in front of the rear lights. Hook & Loop (Velcro) mounting tape is used to mount the computer.

The **Electric Throttle Servo (2)** is mounted on the left side of the bike, mounted to the frame tube above the motor. The photos below show the location of the servo with the fairing fitted (below left) and the servo mounted on the bike (below right).

The **CIU or Cable Interface Unit (3)** is mounted on the right side of the bike, opposite the location of the throttle servo. The photo shows the CIU with the fairing off the bike. The CIU has a new **cable (4)** running from it to the throttle bodies.

The **Standard Above Bar Control Switch (5a)** mounting (photo below left) has the switch mounted on the left hand (clutch) lever clamp. The switch is located above the left switch block and has about 20mm (3/4") clearance between the cruise switch and bike's buttons.

The **Optional Below Handlebar Control Switch (5b)** mounting has the switch mounted on the bike's clutch lever clamp. When the handlebars are turned all the way to the left, the cruise control switch is very close to the left side fuel tank (photo below right). This bike had risers fitted to the handlebars (photo below left). Without the risers fitted, we don't believe the switch would clear the fuel tank on full left steering lock. Measure the gap between the bike's switch block and the fuel tank when on full left lock. If there is not at least 40mm (1 ½") clearance, we do not recommend that the below bar control switch mounting is used. **Compare your bike to this photo to make sure the switch will fit before ordering this switch option.**

MotorCycle Cruise Controls

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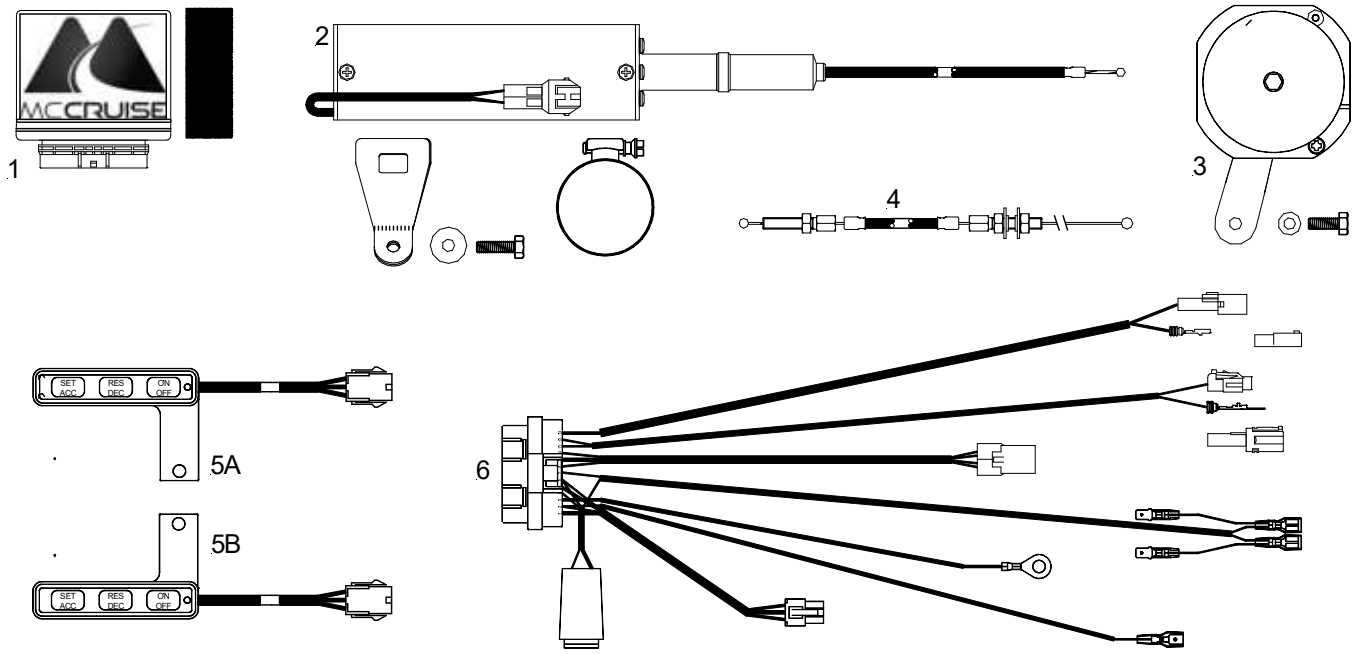
The **Wiring Harness (6)** has the same type of plugs or terminals that are already used on the motorcycle. Power for the cruise control and brake sensing is taken off the brake light switches by unplugging the rear brake light switch. Matching connectors on the cruise control loom are plugged in to the switch and the bike's loom. Speed sensing is taken from the bike's speedometer sender. Tach (engine speed) sensing is detected from the bike's ignition circuit. This is used to disengage the cruise if the clutch is operated. The bike's clutch switch is also connected to the cruise control to disengage the cruise control. The cruise control is grounded on the negative terminal of the battery.



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