

Electronic Cruise Control for Suzuki DL1000 V-Strom

All models to 2013 (1st Gen)



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)** (left arrow in the photo) and the **Electric Throttle Servo (2)** (right arrow in the photo) are mounted in the rear storage compartment. Hook & Loop (Velcro) mounting tape is used to mount them.



The **CIU or Cable Interface Unit (3)** is mounted on the left side of the bike, beside the 'V' in the cylinders. It has a new **cable (4)** running from it to the throttle bodies.

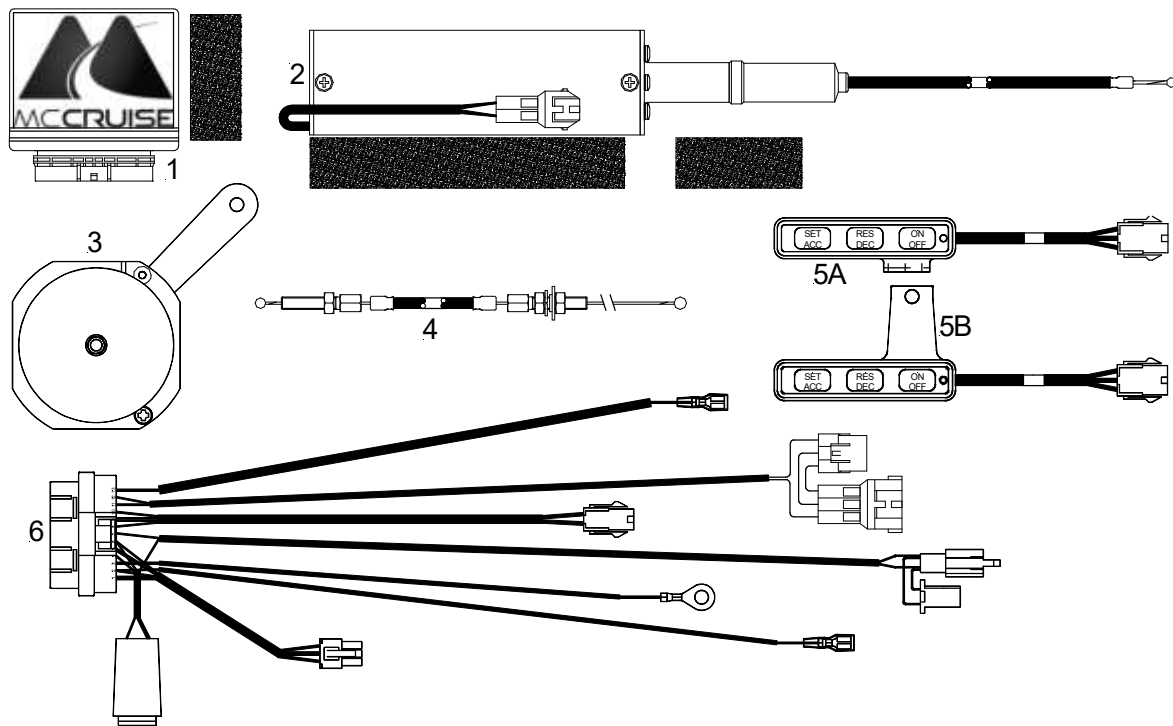
The standard **Control Switch (5A)** is mounted on the left hand (clutch) lever mirror mount. The switch is located above the left switch block.



The optional **Control Switch (5B)** is mounted on the left hand (clutch) lever mount, and is mounted below the left switch block.



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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