

# Electronic Cruise Control for Suzuki DL650 V-Strom



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 2.0kg.

Current draw while the cruise is switched on, but not engaged, is approximately 0.250 amp (3 watts). Current draw while the cruise is engaged is nominally 0.50~0.80 amp (6~10 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).

The **Computer** mounts in the storage area under the seat, at the back behind the tool bag, in a **foam block**.



The **Actuator** is mounted on the fairing frame on the right side, beside the forks. The mounting bracket is clamped to the frame using hose clamps. The photo below shows the actuator with the fairing off the bike. The photo at right shows the actuator viewed from above inside the fairing. A **vacuum hose assembly** is provided to connect the actuator to the engine.



The **Cable Interface Unit** is mounted on the fairing frame on the left side, beside the forks. The mounting bracket is clamped to the frame using hose clamps. The photo below shows the actuator with the fairing off the bike. The photo at right shows the actuator viewed from above inside the fairing. It has a new **cable** running from it to the carburetors.



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



The **Wiring Loom** 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 coils. 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 battery negative terminal

## ***MotorCycle Cruise Controls***

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