

Electronic Cruise Control for Suzuki AN650 Burgman



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 2.3kg.

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).

Refer to the line drawing on the back of this sheet to identify the components from the numbers in the text.

The **Computer (1)** mounts in the fairing on the left side, above the fuse box.

The **Actuator (2)** is mounted inside the right side fairing pocket.

The **Vacuum Reservoir Assembly (3)** is provided to connect the actuator to the engine and provide a stable vacuum supply. It is mounted beside the ignition switch assembly.

The **CIU (4)** is mounted on the right side of the cylinder head and has a new **cable (5)** running from it to the twist grip.



A close up of the actuator in the fairing pocket (photo at left).

A close up of the CIU after the inner fairing panel has been fitted, but before the handlebar cover has been fitted (photo below).

All of the components shown above are hidden from view after the bike has been re-assembled.



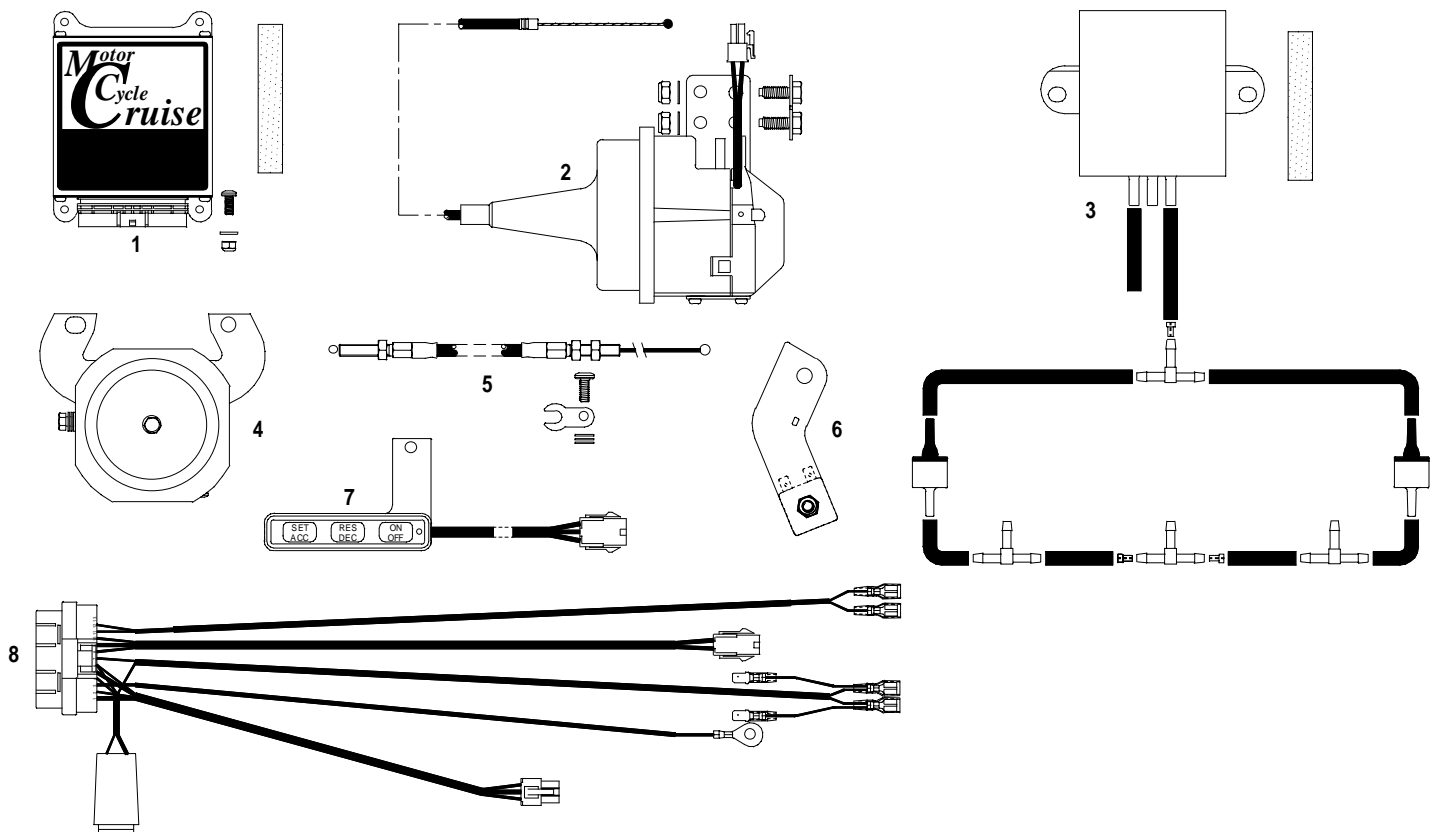
The **Speed sensor (6)** is mounted beside the left hand front brake caliper, mounted on one of the brake caliper mounting bolts. Nickel-plated magnets are placed in the heads of the bolts that mount the brake disc.



The **Control Switch (6)** is mounted to the left hand brake master cylinder handlebar clamp. The bracket mounts between the bottom faces of the clamp and the master cylinder. The clamp must have about 1~1.5mm (0.040"~0.060") filed from the bottom face to allow for the thickness of the switch bracket. A slot must be cut in the handlebar cover for the switch bracket.



The **Wiring Loom (7)** 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. The cruise control is grounded on the battery negative terminal. Tach sensing and clutch switch sensing are not used on this model.



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