

Electronic Cruise Control for **Honda CBR1100XX** **Super Blackbird (carburettor)**



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

Current draw while the cruise is switched on, but not engaged, is approximately 0.020 amp (0.28 watts).

Current draw while the cruise is engaged is nominally 0.250~0.350 amp (3.5~5 Watts) with peak draw at 0.5 amp (7 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).

Installed weight of the cruise control is approximately 1.6kg.

Refer to the diagram on the back of the page to identify the components from the numbers in the text.

The **Computer (1)** mounts in the rear luggage compartment above the rear light in a **foam block (2)**.



The **Actuator (3)** is located under the rear of the fuel tank, just behind the carburetors. A **vacuum hose assembly (4)** is provided to connect the actuator to the engine.

The **CIU (5)** is mounted above the cylinder head to the left side under the frame tube and has a new **cable (6)** running from it to the carburetors.



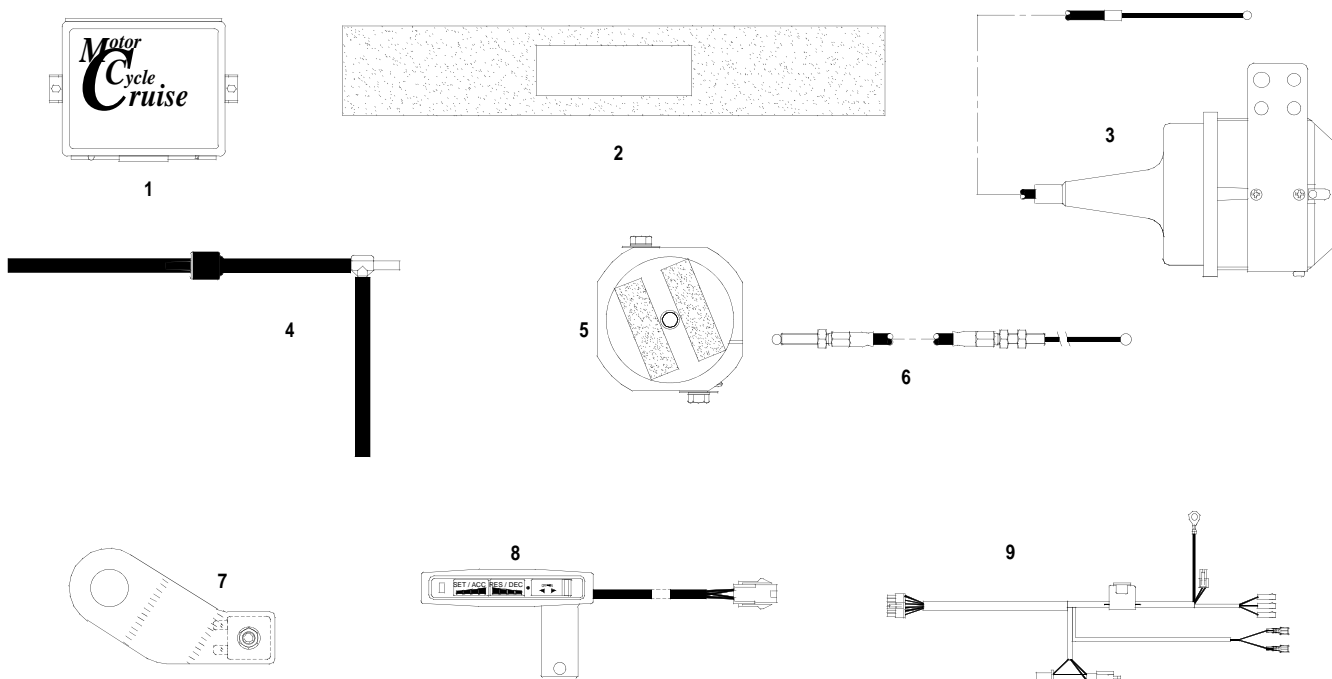
The **Speed Sensor (7)** is on the rear swing arm on the right side, and uses a bracket that is mounted on the rear axle. The magnets fit into the head of the bolts that mount the brake disc to the wheel.

The **Control Switch (8)** is mounted to the left hand (clutch) master cylinder handlebar clamp and is located above the left hand switch block. The bracket mounts between the top faces of the clamp. The clamp must have about 1.5~2mm (0.060"~ 0.080") filed from the top face of the clamp to allow for the thickness of the switch bracket. The photo shows the switch mounted on the bike. If risers are fitted to the handlebars and the switch contacts the fairing screen during steering movement, an alternate switch mount is available to allow the switch to be installed under the handlebar.



The **Wiring Loom (9)** uses the same type of plugs that are already used on the motorcycle. 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 bikes loom. Power is taken from the brake as well. Earth (ground) is sourced on the earth bolt on the left side of the bike.

The **ECS (Electronic Clutch Switch)** is now standard with the cruise kit. It mounts on the rear mudguard and is connected to the ignition coils.



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