

# Electronic Cruise Control for Honda GL1200 Gold Wing



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 1.7kg.

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).

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

The **Computer (1)** mounts on top of the fuel tank behind the fuel filler cap. If the bike has a seat adjustment lever in this location, the computer is mounted on the left had end of the fuel filler spill tray.

The **Electronic Clutch Switch (10)** is mounted on the fuel tank near the computer and is connected to the ignition coils. This device cancels the cruise in the event of the clutch being operated.



The **Actuator (2)** is located in the cavity just inside the left faring cooling air exhaust vent. The horn is re-mounted on the actuator bracket. A **vacuum hose assembly (3)** is provided to connect this to the engine. A threaded vacuum fitting replaces one of the carburettor balance port blanking screws.

The **CIU (4)** is mounted under the top compartment on the right side, in front of the fuel filler cap and behind the radiator coolant bottle and has a new **cable (5)** running from it to the carburetors.

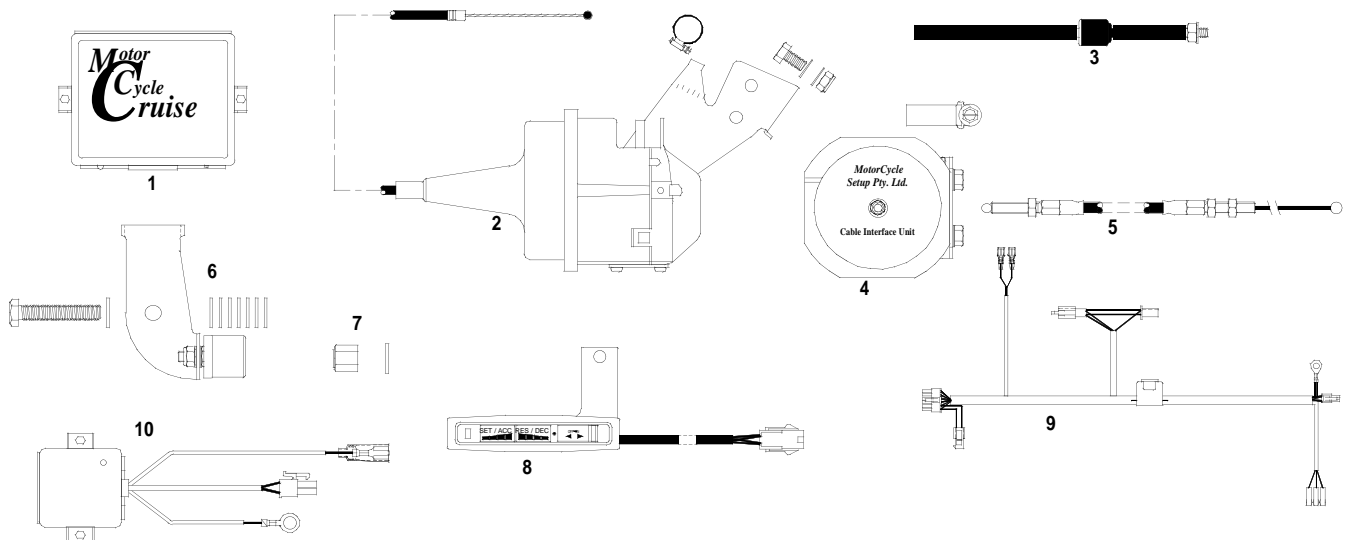


The **Speed Sensor (6)** is on the left side of the rear swing arm mounted on the axle pinch bolt.. A new high tensile bolt is provided to replace the existing axle pinch bolt. A new **nut and magnet (7)** is provided to replace one of the rear disc brake mounting nuts. The new nut is visible just to the right of the speed sensor bracket.

The **Switch (8)** is mounted to the left hand (clutch) master cylinder handlebar clamp and is located under the left hand switch block. The bracket mounts on the clutch lever handlebar clamp bolt. A photo of the switch mounted on the motorcycle is shown at right.



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 then plugged in to the switch and the bike's loom. Power for the cruise is also taken from the brake light circuit. Earth (ground) is sourced on the earth bolt on the left side of the bike.



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