Electronic Cruise Control for

Honda PC800 Pacific Coast

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).

The **Computer (1)** mounts on the left hand side of the bike on the front of the rear luggage compartment wall.

In **Actuator (2)** clamps to a frame tube on the right hand side of the bike, inside the engine guard. The actuator cable acts on a **lever assembly (3)** that is attached to the end of the carburettor spindle. A **vacuum hose assembly (4)** is provided to connect the actuator to the engine.

The **Speed Sensor (5)** mounts to the right front forks using one of the brake calliper mounting bolts. Two magnets are placed in the heads of the bolts that mount the brake disc.

The **Switch (6)** is mounted to the left hand side handlebar cover. The photo at right shows the switch mounted on the motorcycle

The **Wiring Loom (7)** 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 and earth (ground) are taken from the fuel pump wires using the same method.