

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.

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).

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 on the wall on the front of the rear luggage compartment under the seat. NOTE: - This photo shows an older design of computer.



The **Actuator (2)** is mounted on the bikes frame on the right side of the motor, in the space behind the engine crash bar. Hose clamps are used to clamp the bracket to the frame. A **vacuum hose assembly (3)** is provided to connect the actuator to the engine.

The actuator cable acts on a **lever assembly (4)** that is attached to the carburetors.

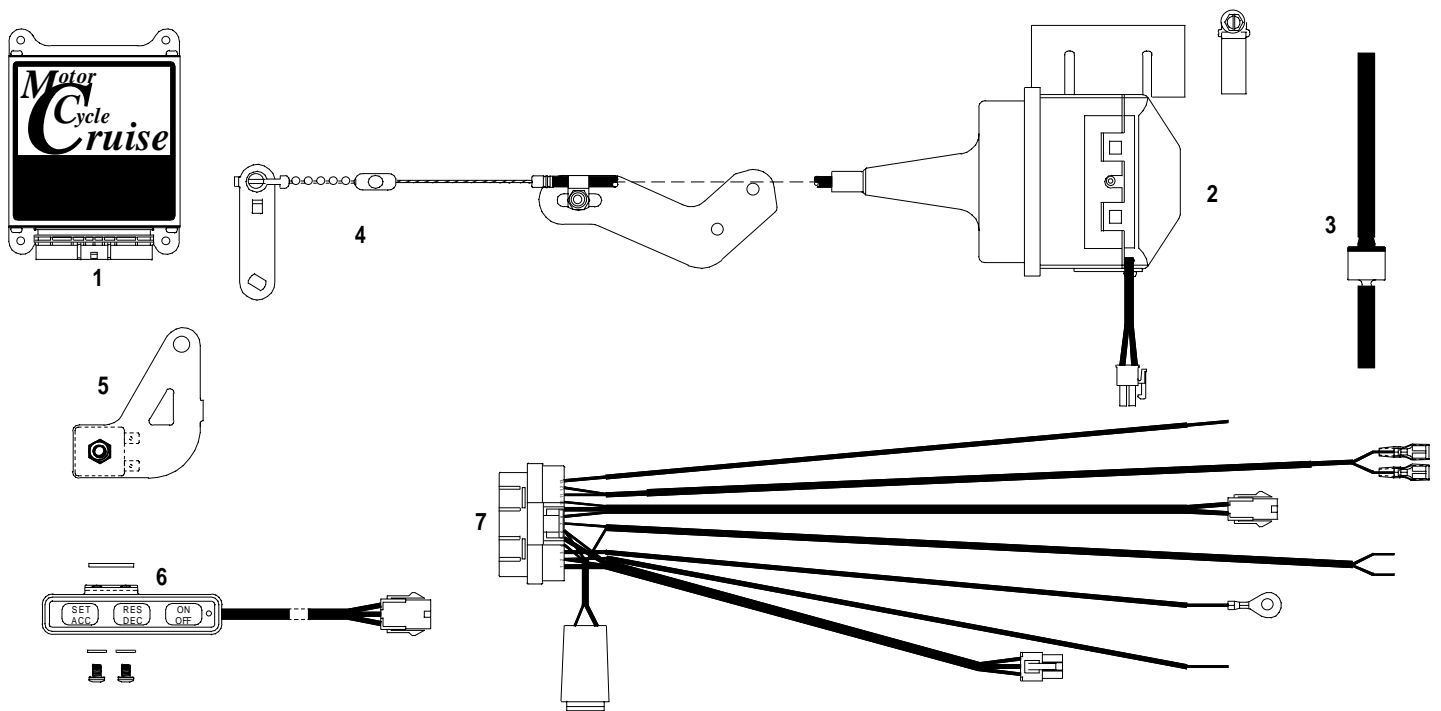


The **Speed sensor (5)** is mounted beside the right front brake caliper, mounted on one of the brake caliper mounting bolts. Nickel-plated magnets are placed in the heads of the bolts that mount the brake disc.

The **Control Switch (6)** is mounted below the left side switch gear. The bracket is supplied with suitable screws and a backing plate to fit inside the plastic handlebar cover.



The **Wiring Loom (7)** is a 'universal' loom, and the kit comes supplied with all the plugs and terminals that are already used on the motorcycle, and instructions for cutting and terminating the wires. 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. 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 (if fitted to the bike) may also be connected to the cruise control to disengage the cruise control. The cruise control is grounded on the battery negative terminal.



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