

Electronic Cruise Control for Honda VFR800FI 1998 to 2001



Note: Before ordering this cruise control, check the electrical plugs on the rear brake light switch. Earlier models (1998~1999) use two bullet connectors, later models (2000~2001) use a three way plug.

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 0.25 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).

Installed weight of the cruise control is approximately 1.9kg.

The **Computer (1)** mounts on the right hand side of the seat support rails under the rear fairing cowl.



The **Actuator (2)** is bolted to the front of the motor beside the oil filter, using one of the starter motor mounting bolts and a lug on the oil pan. **NOTE: - Some overseas models have a carbon evaporative emissions canister mounted in this location. This will have to be moved in order to fit the cruise control.** A vacuum hose assembly (4) is provided to connect the actuator to the engine.



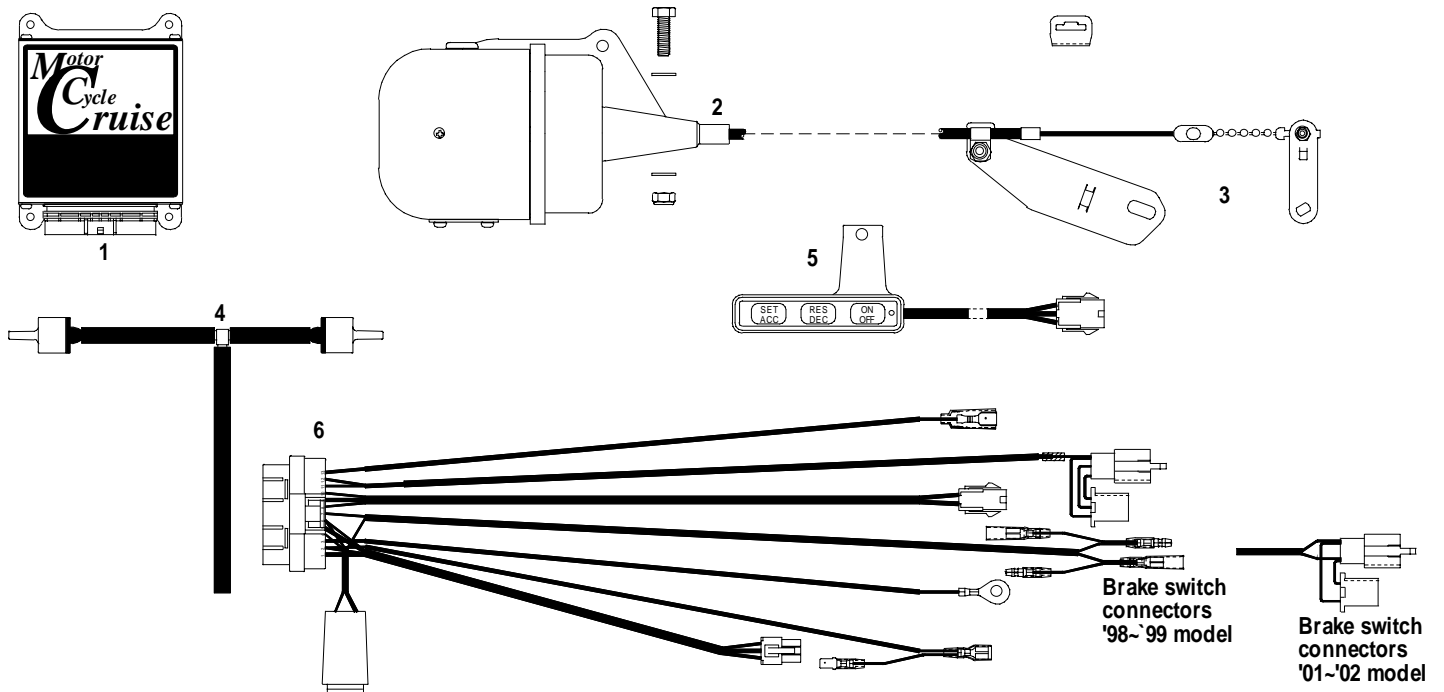
The actuator cable acts on a **lever assembly (3)** that bolts on the end of the injection throttle spindle.



The **Switch (5)** is mounted to the left hand (clutch) master cylinder handlebar clamp. The bracket mounts between the bottom faces of the clamp. 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.



The **Wiring Loom (6)** 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. 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 is also connected to the cruise control to disengage the cruise control. The cruise control is grounded on the battery negative terminal. Speed sensing can be taken from the bike's speedometer sender.



MotorCycle Setup P/L

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How to determine the rear brake light switch connector type.

- Follow the wires from the rear brake light switch (arrowed at bottom right in the photo) to the connecting plug or terminals (upper arrow in the photo). This photo shows the later type three-way connector (three-way plug, but only two positions have wires fitted).
- It should be possible to see the connector type without removing the seat surround panel. You may view the connection either from below, or from above with the seat removed.



- This photo shows the earlier model bullet terminals. This photo shows the terminals AFTER the cruise control has been fitted, so only two sets of terminals will be visible on your bike before the cruise control has been fitted (circled in the photo).
- If your bike has these terminals, you need the MCS 4180/1 kit.



- This photo shows the later model three-way plugs. This photo shows the plugs AFTER the cruise control has been fitted, so only one set of plugs will be visible on your bike before the cruise control has been fitted.
- If your bike has these plugs, you need the MCS 4180/2 kit.



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