

Electronic Cruise Control for HONDA Varadero XL1000V & VA



Note: - There are two different cruise control kits, one for bikes with ABS brakes, one for bikes without Abs brakes. The only difference between the two kits is the mounting location of the 'Cable Interface Unit', (CIU). This device is the 'junction box' for the throttle cables and cruise control servo cable.

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

Installed weight of the cruise control is approximately 2.5kg.

Current draw while the cruise is switched on, but not engaged, is approximately 0.10 amp (1 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)** is mounted in the rear storage compartment, under the passenger. There is self-adhesive Velcro provided in the kit to mount the computer.



The **Electric Throttle Servo (2)** is mounted on the left side of the bike, on the bolts for the clutch cable mounting bracket.

On bikes with ABS brakes, the **Cable Interface Unit (3A)** is mounted on the left side of the bike, on the bike's ECU mounting bracket, inside the fairing, in front of the fuel tank. It has a new **cable (4)** running from it to the throttle bodies.



On bikes without ABS brakes, the **Cable Interface Unit (3B)** is mounted on the fairing frame on the right side, below the fairing storage pocket. The mounting bracket is clamped to the frame using hose clamps. It has a new **cable (4)** running from it to the throttle bodies.

The **Control Switch (5)** mounts above the handlebar on the left side on the mirror mount.



The **Wiring Harness (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 into the switch and the bike's loom. Speed sensing is taken from the bike's speedometer sender. 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.

