

Electronic Cruise Control for Honda XL1000V Varadero from 2007

Without ABS brakes



NOTE: - This kit MAY fit bikes fitted with ABS brakes, however we have not been able to source a bike with ABS brakes to check this yet. The only issue that may crop up, is if either of the ABS brake modulators (actuators) or the ABS electronics module are mounted in location used for the cruise control. There are no electrical issues between the cruise control and the ABS brakes. If you know where the ABS hardware is mounted on the bike, and it is not in any of the locations shown in the photos, then this kit will fit a bike with ABS brakes.

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 in the storage area under the seat, at the back, in a **foam block (2)**.



The **Actuator (3)** is mounted on the fairing frame on the left side, beside the bike's fuel injection ECU, above the left side coolant radiator. The mounting bracket is clamped to the frame using hose clamps. A **vacuum hose assembly (4)** is provided to connect the actuator to the engine.

On the previous model Varadero (pre 2007), the ABS braking ECU is mounted on top of the EFI ECU. This makes mounting the actuator in this location impossible.

The **Cable Interface Unit (5)** 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 (6)** running from it to the throttle bodies.

On the previous model Varadero (pre 2007); the ABS braking actuator is mounted in this location. This makes mounting the CIU in this location impossible.

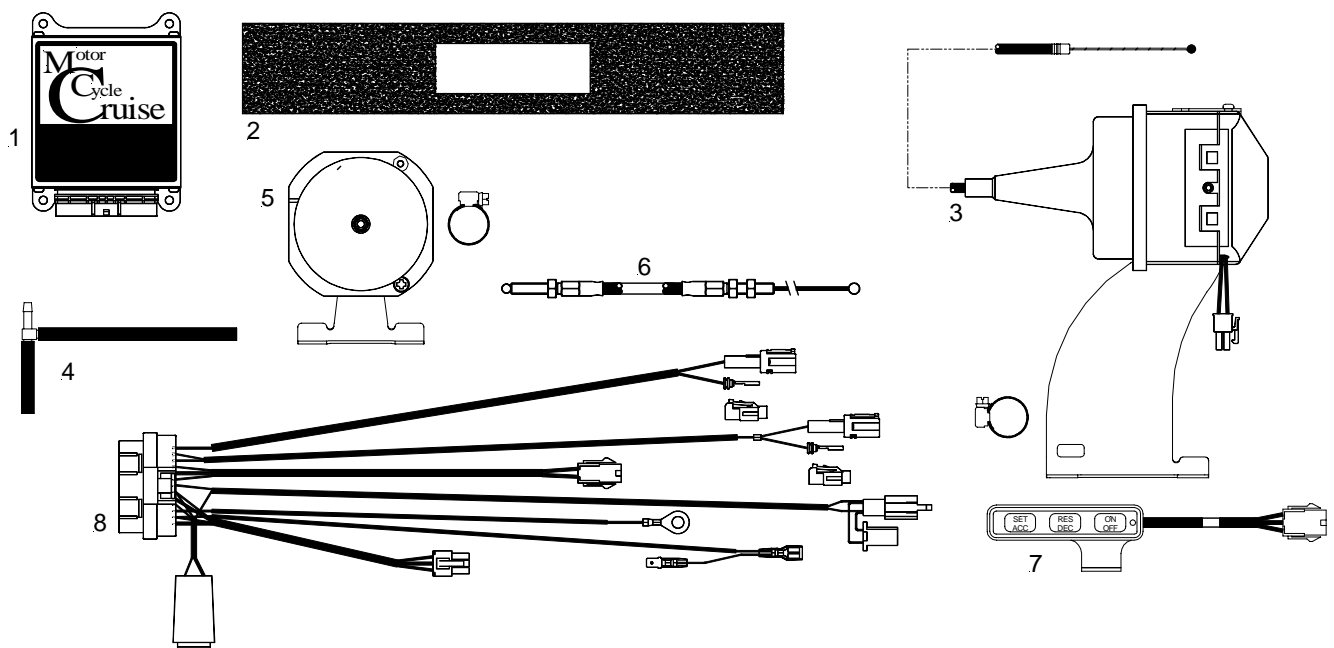
We do not know if this (current) model has the ABS hardware located in the same positions. If it does not, it is likely that the cruise control will fit.



The **Control Switch (7)** is mounted on the left hand (clutch) lever mirror mount. The switch is located just above the left switch block.



The **Wiring Loom (8)** 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. 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



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