

Electronic Cruise Control for **Suzuki GSX1300R Hayabusa 2nd Generation** **from 2008 to 2022**



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 2.5g.

Current draw while the cruise is switched on, but not engaged, is approximately 0.20 amp (2.5 watts). Current draw while the cruise is engaged is nominally 0.5~1 amp (6~12 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 component numbers in the text.

The **Computer (1)** mounts at the rear of the bike in the storage compartment under the passenger seat (photo at right and upper arrow in both of the photos below). It is mounted using Velcro mounting tape.



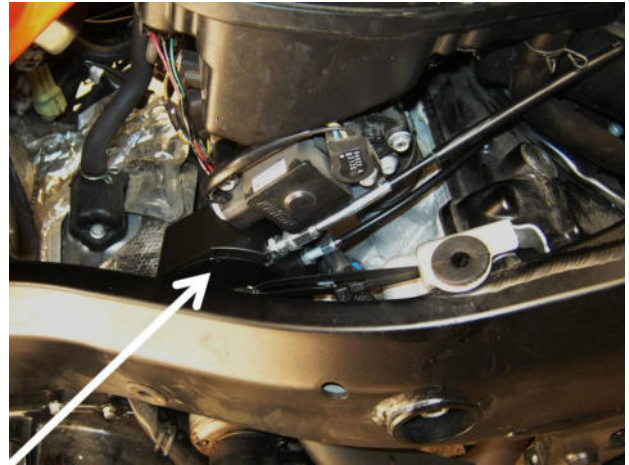
The **Electric Throttle Servo (2)** is mounted on the rear sub-frame, normally on the right side of the bike inside the turn signal 'pod' (photos below, lower arrow). The frame in this location has three threaded holes, and we have not been able to determine what they are for, possibly a charcoal evaporative emissions canister on bikes in other markets such as California and the EU.



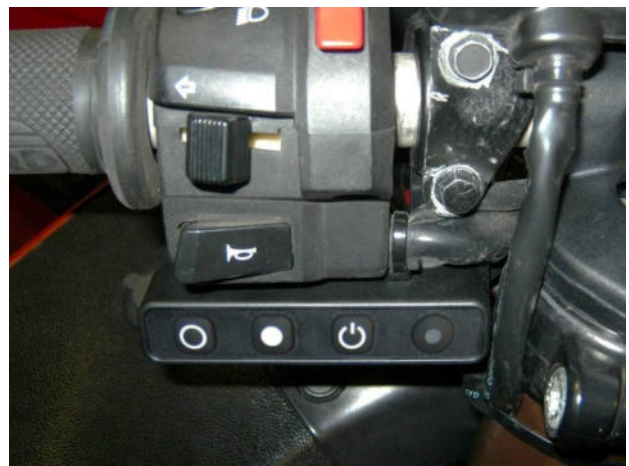
If the bike is fitted with a charcoal canister (or some other device) in this location, the servo can be mounted on the left side instead.
NOTE: - This MUST be specified when the cruise control is ordered, as the cable from the servo is a different length depending which version is fitted.



The **Cable Interface Unit (3)** is located below the right end of the throttle bodies, below the throttle position sensor. It has a new **cable (4)** that connects it to the fuel injection throttle bodies.



The **Standard Control Switch (5a)** is mounted below the handlebar. The bracket is mounted to the left hand (clutch) master cylinder handlebar clamp. The bracket mounts between the lower faces of the clamp. The clamp must have about 1~1.5mm (0.040"~0.060") filed from the lower face of the clamp to allow for the thickness of the switch bracket.



MotorCycle Cruise Controls

AUSTRALIA

Web Site:

<http://www.mccruise.com>

International:

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Australia:

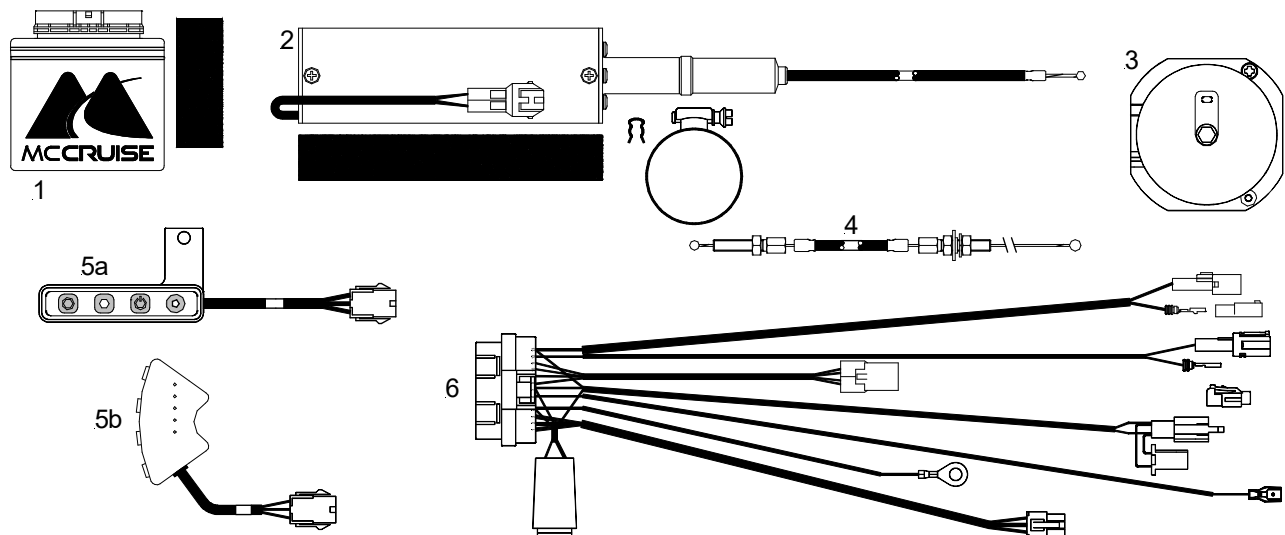
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The **Optional Slim Switch (5b)** is mounted between the bike's switch block and the clutch lever mount. It is necessary to move the clutch mount as far inboard as possible to get the 10mm (3/8") clearance required for the switch to fit between the bike's switch block and the clutch 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 in to the switch and the bike's harness. Speed sensing is sourced from the bike's speedometer sender. Tach (engine speed) sensing is detected from the bike's primary ignition circuit. 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.



ORDERING THE CRUISE CONTROL.

When ordering the cruise control you must specify the location of the throttle servo (right side of the bike normally or left side of the bike if a charcoal emissions canister or some other device is fitted to the bike under the right side turn signal 'pod').

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