

Electronic Cruise Control for TRIUMPH SPRINT ST1050 ABS



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 1.9kg.

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.

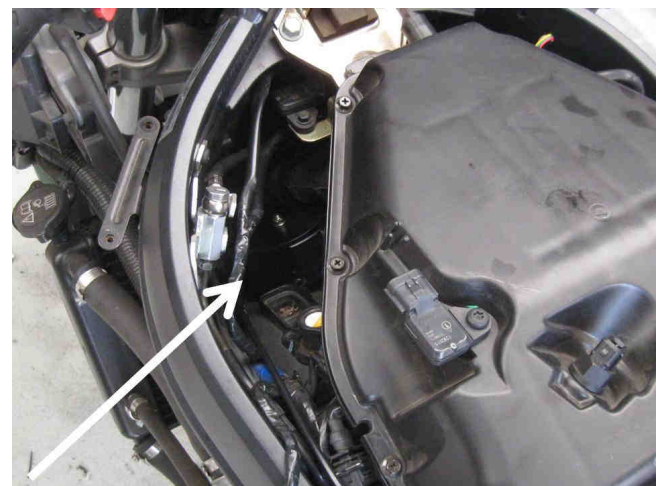
The **Computer (1)** mounts at the front of the bike, screwed to the inside face of the fairing storage compartment.



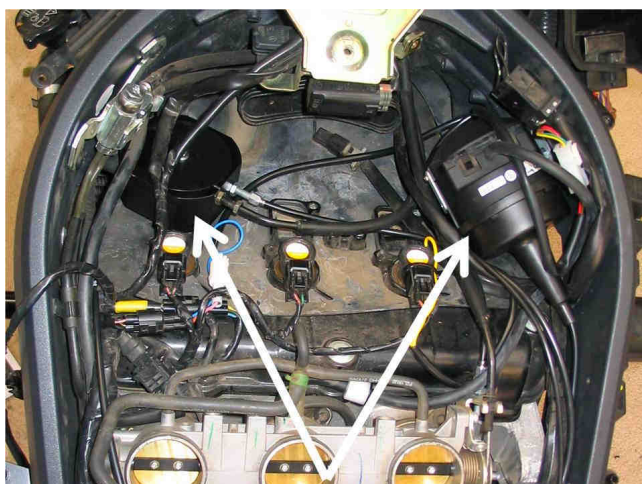
The **Actuator or throttle servo (2)** is mounted on top of the engine on the right side, under the front of the air filter housing and is bolted to the bike's frame using an existing threaded hole in the frame. A **vacuum hose assembly (3)** is provided to connect the actuator to the engine.



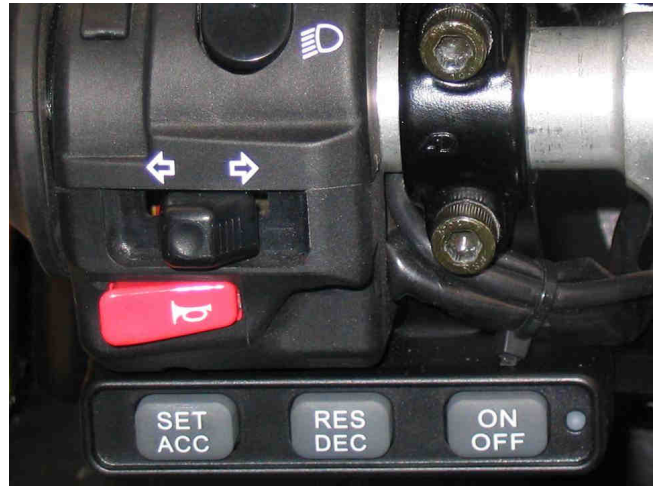
The **CIU (4)** is located on top of the engine on the left side, under the front of the air filter housing. A new **cable (5)** connects it to the throttle bodies.



This photo shows the CIU (left) and actuator (right) with the air filter housing removed.



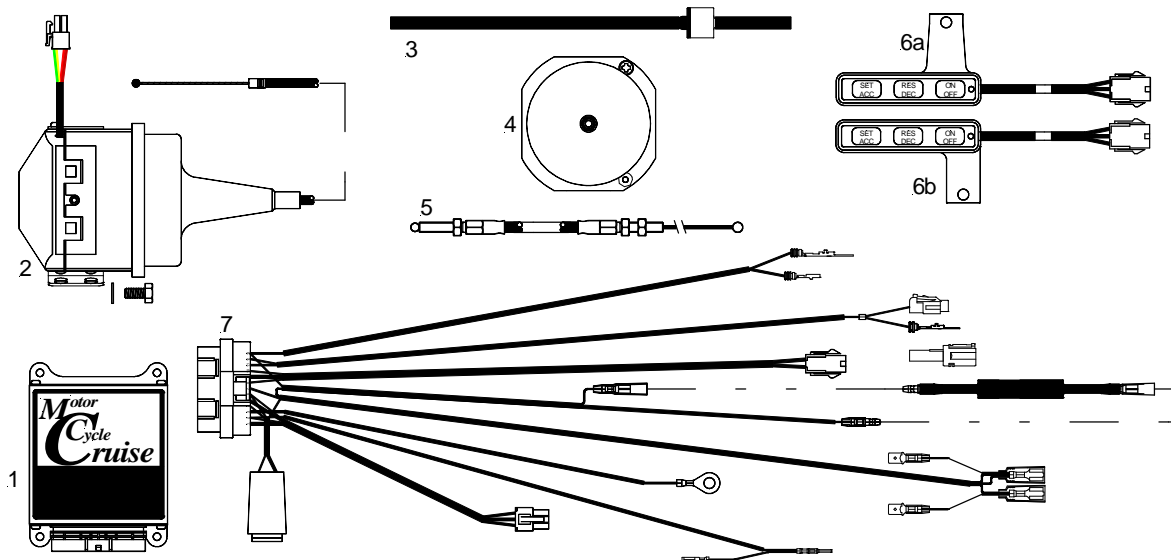
The **Control Switch (6a)** is mounted to the left hand (clutch) master cylinder handlebar clamp. The bracket mounts between the lower faces of the clamp. The clamp must have about 1~1.5mm (0.040"~0.060") filed from the upper face of the clamp to allow for the thickness of the switch bracket. This is the 'standard' mounting arrangement.



If you wish to mount the **Control Switch (6b)** above the handlebar, a replacement control switch bracket can be supplied in the kit at no extra cost. This bracket may also be purchased as a separate item if desired. The part number of this alternate bracket is MCS830B.



The **Wiring Harness (7)** 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 speed 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.



MotorCycle Cruise Controls

6 Kingston Street
Mount Waverley VIC 3149
AUSTRALIA

Web Site: <http://www.mccruise.com>

International: Phone (International Access Code) 61 3 9808 2804

Fax (International Access Code) 61 3 9808 2445

Australia: Phone (03) 9808 2804

Fax (03) 9808 2445

E-mail: sales@mccruise.com