

Electronic Cruise Control for **TRIUMPH BONNEVILLE – FROM 2009**



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 2.2kg.

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 on the front of the bike between the frame down tubes, on a custom mounting bracket.



The **Actuator (throttle servo) (2)** is mounted on the left side of the bike, near the passenger footrest. Satin Black powder coated aluminium covers are supplied to prevent dirt and water ingress into the actuator and to improve the appearance of the actuator.

A **vacuum reservoir and hose assembly (3)** is provided to connect the actuator to the engine and provide a stable vacuum source for the actuator. The reservoir is mounted on the right side of the bike on the passenger footrest mount.

This is supplied in an unpainted white PVC tube finish. In this case, the reservoir has been painted with black automotive plastic 'bumper' paint.

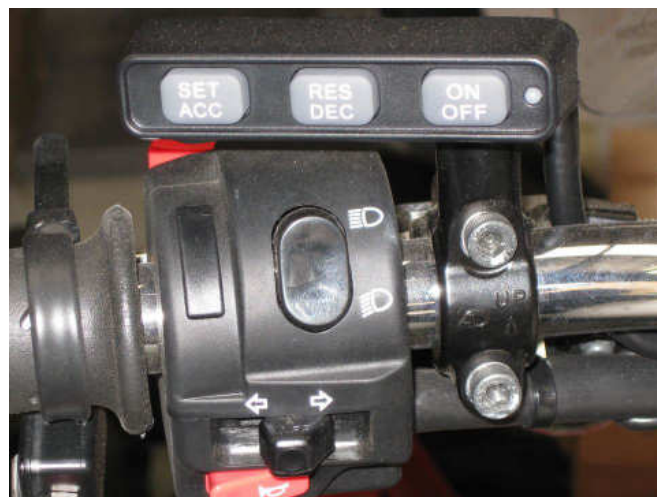


The **CIU (4)** is located on the left side of the bike beside the carburetors. A new **cable (5)** connects it to the throttles. The CIU shown is as supplied in the standard kit with a stainless steel decorative cover. This can be removed if desired. The CIU has a satin black finish as standard and will tend to 'blend' in if the cover is left off.



The **Speed Sensor (6)** is mounted on the left side of the rear wheel, on one of the brake caliper mounting bolts. Nickel plated magnets are placed in the heads of the bolts that mount the brake disc.

The **Control Switch (7)** is mounted on the left hand mirror stalk.



The **Wiring Harness (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 harness. 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.

See over page for a line drawing of the cruise control components.

MotorCycle Cruise Controls

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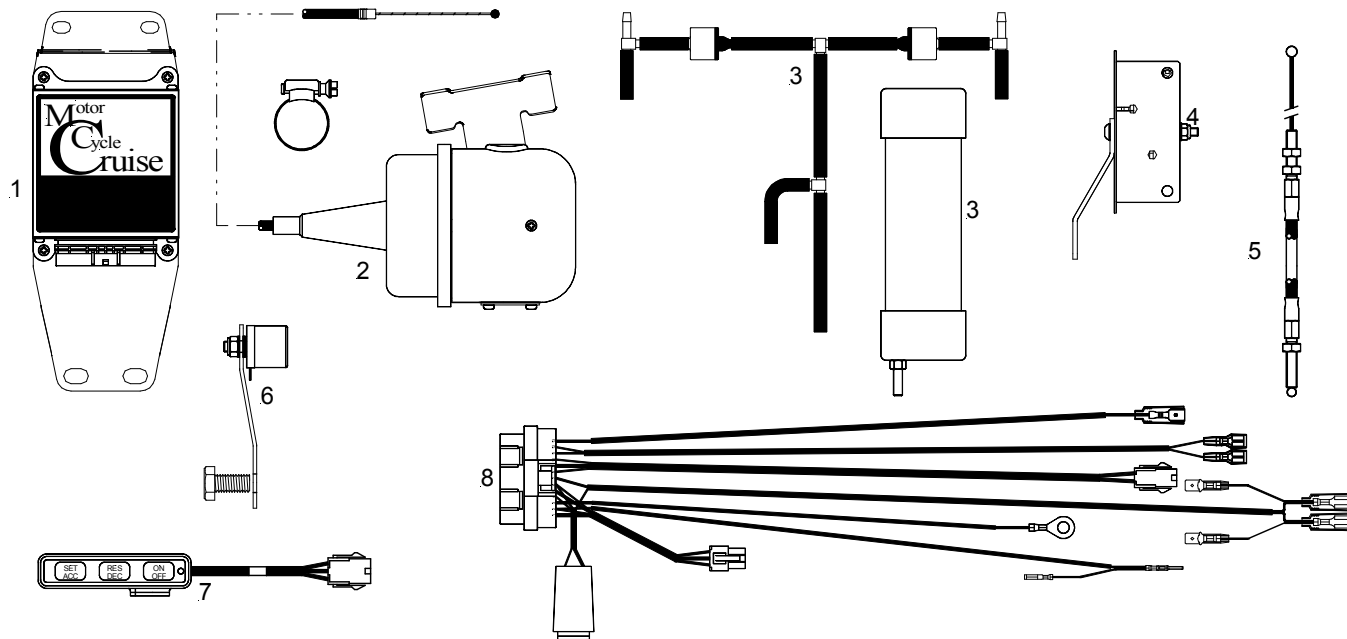
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