

# *Electronic Cruise Control for* **TRIUMPH TIGER SPORT 660**



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

**NOTE: - Contact us if your bike has another device connected to the bike's ODBII diagnostic connector or a different type of diagnostic connector. See the photo over the page.**

Installed weight of the cruise control is approximately 1.0kg.

Current draw is approximately 0.20 to 0.40 amp (2~4 watts).

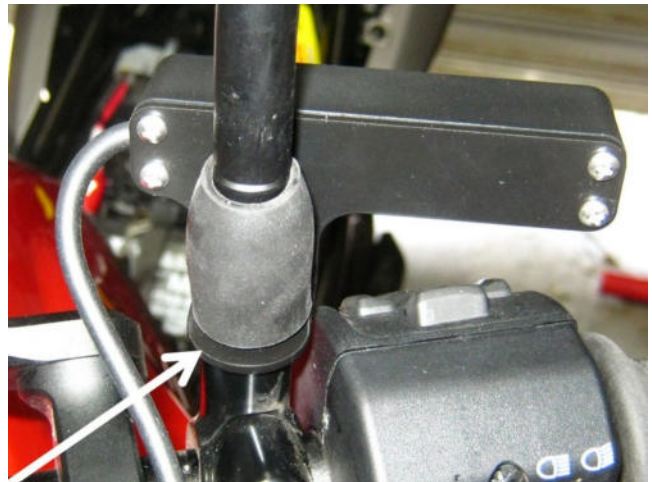
By comparison, a head light bulb typically draws about 4 amps (55 Watts), and a tail-light bulb (running light) draws about 0.4 amp (5 Watts).

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 inside the fairing on the right side of the bike using Velcro mounting tape and also supported by a high density foam block provided in the cruise control kit. The photo below right shows the computer fitted inside the fairing panel.



The standard **Original Style Control Switch (2)** is mounted above the handlebar on the left side on the clutch lever/mirror mount. This switch has backlit buttons for night use, and an indicator light for power (ON-OFF) and engage indication. The photo below right shows the mounting bracket fitted to the mirror mount.



The optional New Slim **Control Switch (3)** mounts on the handlebar on the left side on the bikes' switch block. This switch also has backlit buttons for night use, and an indicator light for power (ON-OFF) and engage indication.



The **Main Wiring Harness (4)** has the same type of plugs or terminals that are already used on the motorcycle. Power and brake sensing for the cruise control is sourced from the bikes brake light circuit. The cruise control brake sensor is connected to the front brake light switch at the multi-way plug for the right-side handlebar switch gear. The connectors & terminals used on this harness are the same type as used on the motorcycle's original connections to ensure that an OE quality connection is maintained. There is no cutting or splicing of wires required anywhere in the installation of the cruise control kit. Two terminals at the bike's right side switch gear plug must be backed out of the housing, and matching terminals on the cruise control harness are inserted into the connector. The cruise also connects the bike at the Throttle-grip Position Sensor (TPS) connecting plugs. The cruise harness has the same type of connectors. This connection is used to operate the bike's throttle. The **CAN-BUS Wiring Harness (5)** is used to connect the cruise to the bike's OBD2 diagnostic plug. Road speed signal, tach (engine speed) signal, brake application and clutch operation signals are all sourced from the bike's CAN-BUS system. Tach signal is used to disengage the cruise if the engine revs vary from gear change or clutch slip. If the clutch is fully disengaged, the cruise detects this instantly.

This photo shows the standard OBDII diagnostic plug, located behind the battery under the seat. It is mounted on a plastic tab molded into the plastic panel.

**NOTE:** - If the bike is fitted with a different type of diagnostic connector, or has a device already connected to the OBDII diagnostic connector, contact us for ways to allow connection of the cruise control AND the other device to the bike's diagnostic plug. The plug can be disconnected to allow the dealer to service the bike and re-connected again after without any complications or consequences.



**NOTE:** - The installation of the cruise control also requires that small and delicate electrical terminals are backed out of connector housings. Suitable tools to do this are available to be ordered with the cruise control if the installer does not have such tools already. Backing out these terminals without suitable tools is almost impossible. See over page for details.

**Component parts drawings are over the page.**

## ***MotorCycle Cruise Controls***

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Web Site:

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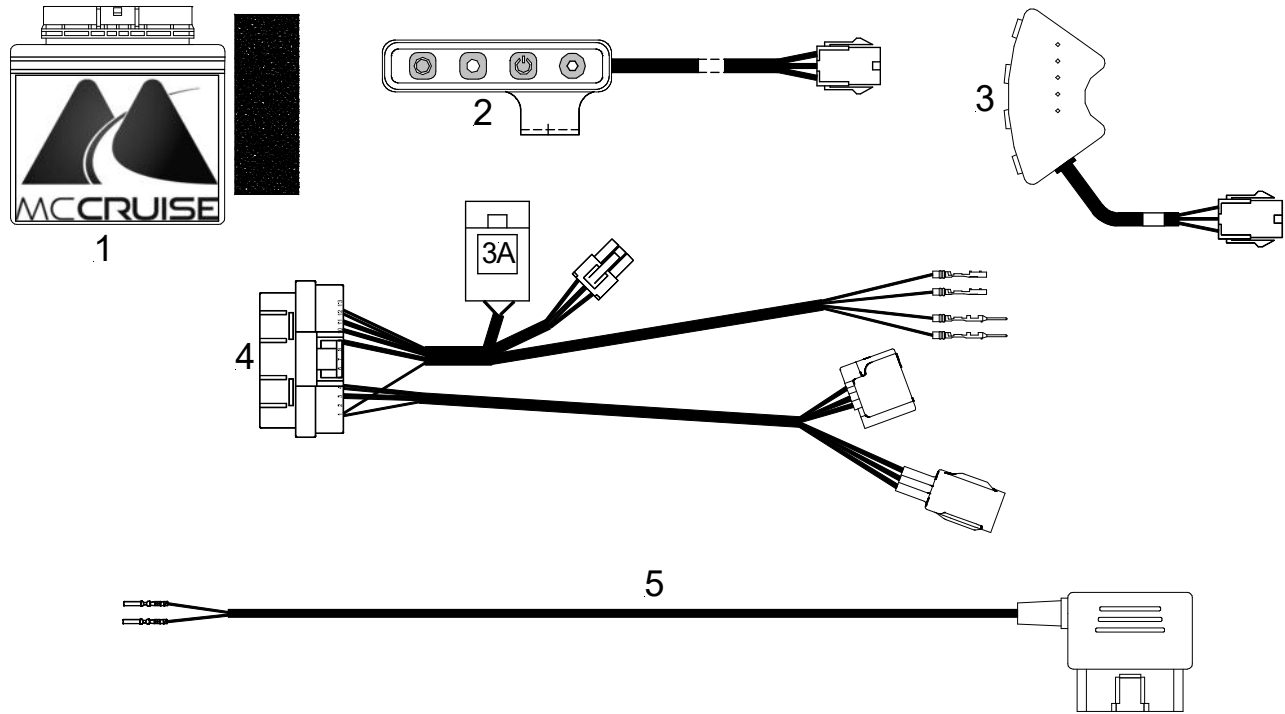
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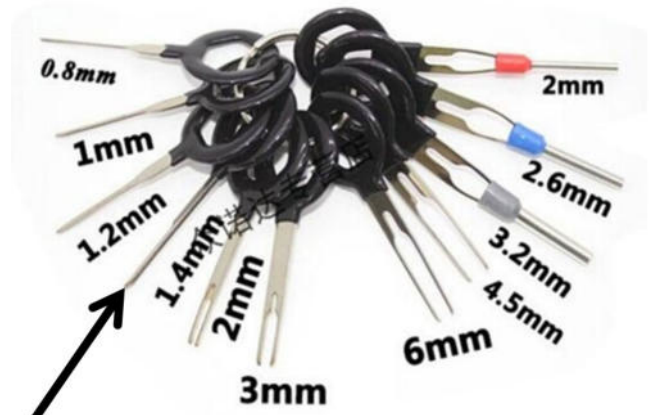


These are the terminal extractor tools that will be supplied if the cruise control is ordered with the optional terminal extractor set.

The width of the blade on the tool required is 1.4~1.5mm and the thickness of the blade is 0.5~0.6mm.

The 11 piece set we supply in the kit as an optional purchase seems to be generally available on Ali-Express and EBay for a few dollars, by searching for the part number ZZLJ7596 or by searching for 'terminal extractor set'.

The set in the photo is a typical 11 piece extractor set. The tool needed is the one arrowed with 1.4mm wide blade.



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