

Electronic Cruise Control for **BMW F800GT from 2016 (Throttle-by-Wire)**



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 1.0kg.

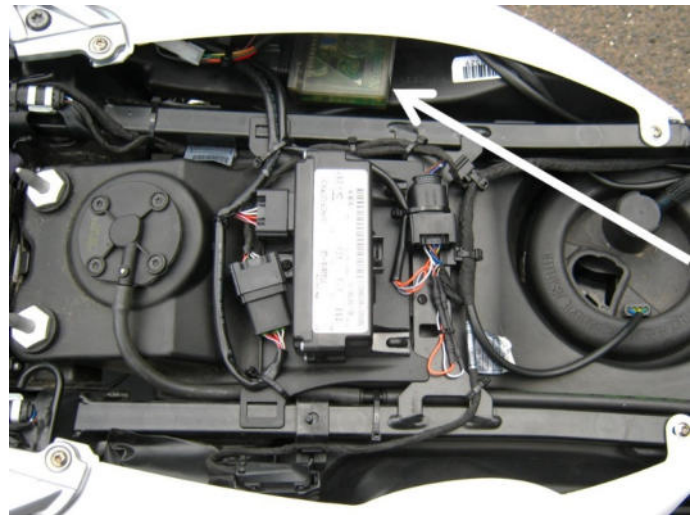
Current draw is approximately 0.20 to 0.40 amp (2~4 watts).

By comparison, a head light bulb typically draws about 4 amps (55 Watts), and a taillight 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.

NOTE: - Refer the last page of this document for information about purchasing the CAN-BUS dongle patch.

The **Computer (1)** mounts under the seat surround panel on the right side of the bike. There is self-adhesive Velcro provided in the kit to mount the computer.



The New Slim **Control Switch (2)** mounts on the handlebar on the left side on the bikes' switch block. This switch also has back lit buttons for night use, and an indicator light for power (ON-OFF) and engage indication.



The optional **Standard Control Switch (3)** mounts above the handlebar on the left side on the clutch lever mount. This switch has back lit buttons for night use, and an indicator light for power (ON-OFF) and engage indication.



The new switch is a no cost option, either switch may be selected when purchasing the cruise control.

The **Wiring Harness (4 or 5)** 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 rear light connector. Matching connectors on the cruise control harness are plugged in to the rear light multi-way connector. Brake operation is detected electrically from this connection. The cruise control is also connected to the bike's CAN-BUS system using the same connection method as the brake/power connection. The CAN-BUS signal is monitored to detect front & rear brake operation, clutch operation, Tach (engine speed) signal and road speed signal. Tach signal is used to disengage the cruise if the clutch is operated, as well as direct signal from clutch operation. The harness connects the bike's Throttle grip Position Sensor (TPS). This connection is used to operate the bike's throttle. The terminals used on this harness are the same type as used on the motorcycle's original TPS connection 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.

There are two options available for the cruise control harness. If the bike has an accessory fitted that is connected to the bike's accessory CAN-BUS plug, the cruise harness must have a CAN-BUS Dongle Patch built into it. The need to this patch must be determined before ordering the cruise control. See over the page for information about this.

MotorCycle Cruise Controls

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

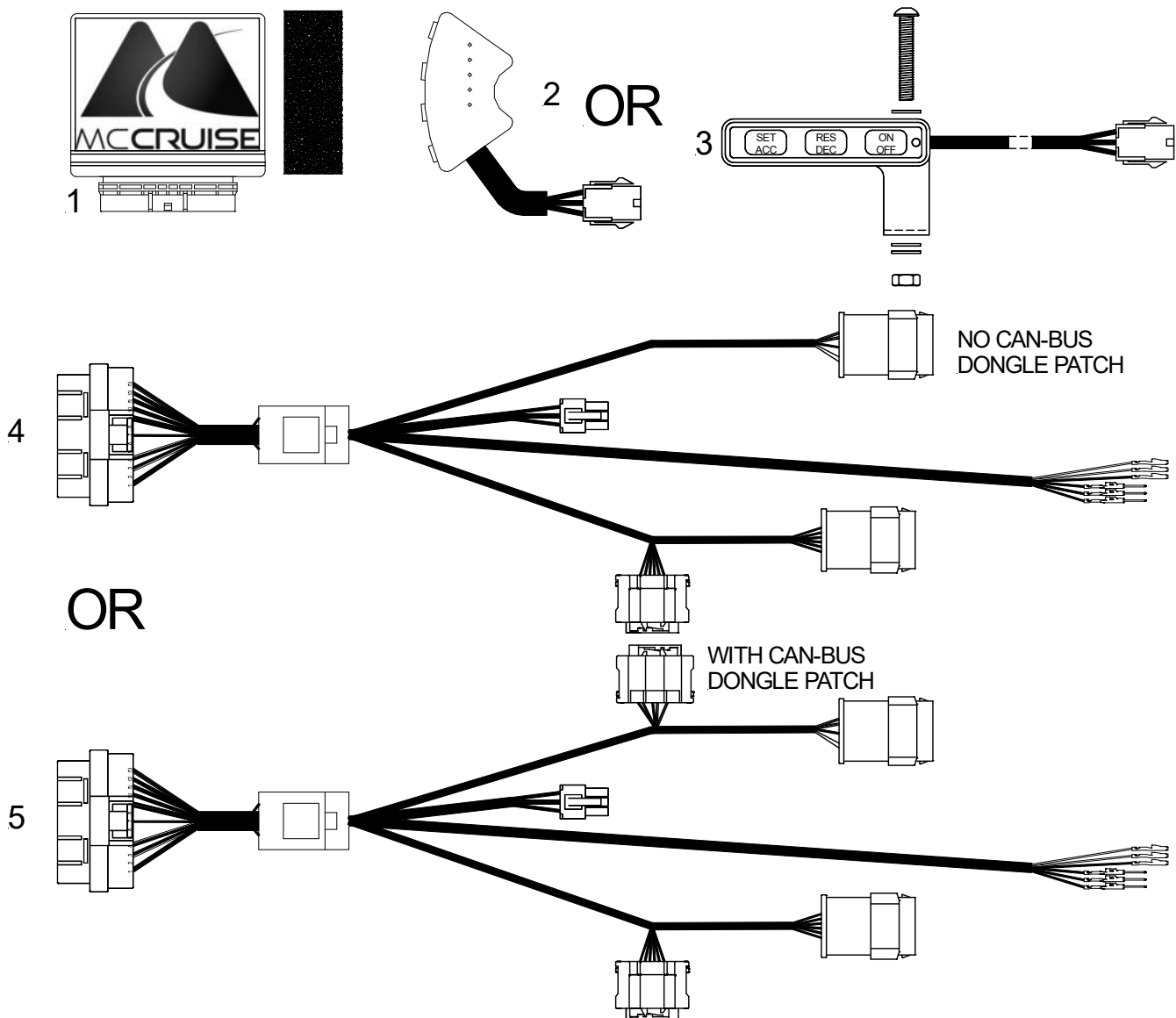
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Devices connected to the bike's CAN-BUS plug.

NOTE: - If the bike is fitted with a device connected to the CAN-BUS plug, make sure you purchase the CAN-BUS dongle patch option with the cruise control kit. This will allow connection of the cruise control AND the other device connected to the bike's CAN-BUS plug. See below for information about this,

The F800GT we had in our workshop to prototype the cruise control had a tire pressure monitor fitted. This device is connected to the bike's accessory CAN-BUS plug. Some bikes may not have this device, some may have another device such as an alarm system connected to the CAN-BUS plug, and some may not have anything connected to the plug. If nothing is fitted, the bike's CAN-BUS plug will be connected to a blanking plug.

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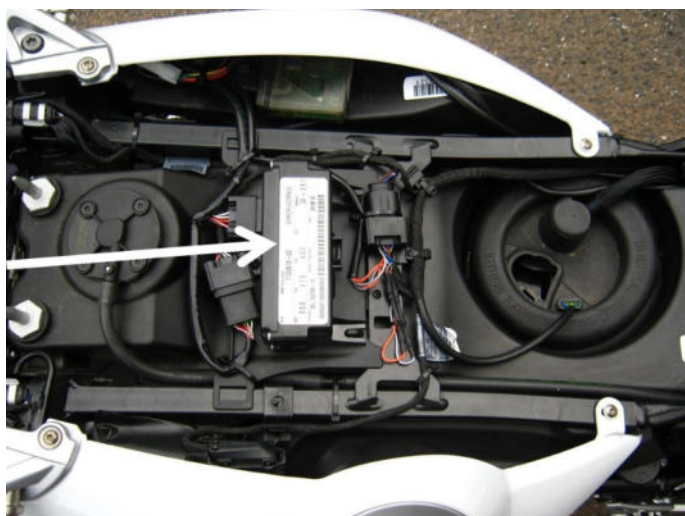
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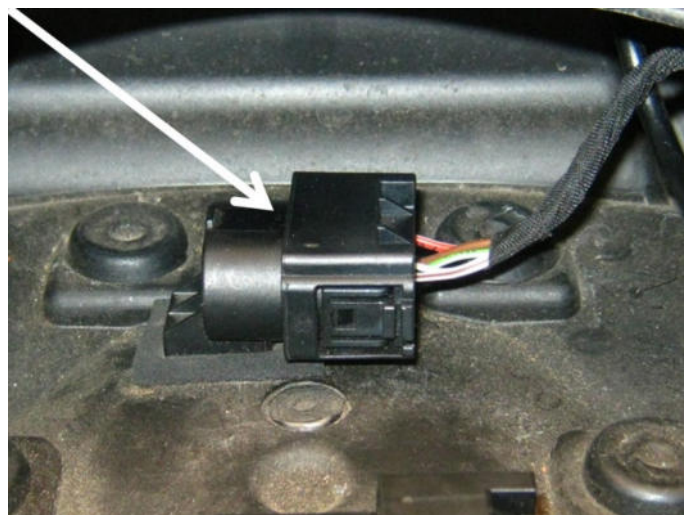
This bike is fitted with a tire pressure monitor (photo below left - arrowed). This device is mounted under the passenger seat. The photo below right shows the CAN-BUS plug connected to the tire pressure monitor. **If your bike has a device connected to the bike's CAN-BUS plug like this, you MUST purchase the CAN-BUS Dongle Patch Option to be able to connect the cruise control to the bike.**



This photo at right, from another BMW model, shows the CAN-BUS plug connected to a blanking plug or 'Termination Plug' as it is known.

If your bike has a connector like this connected to the CAN-BUS plug, you MUST NOT purchase the CAN-BUS dongle batch option.

NOTE: - If you purchase the dongle patch, and connect it to the bike's blanking plug, this may degrade the signal enough to prevent the cruise control operating. Leaving the plug disconnected is not recommended, as having an un-terminated (disconnected) plug on a CAN-BUS circuit can cause errors with the bike's communications systems.



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