

Electronic Cruise Control for **KTM 690 Enduro R from 2021**



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

NOTE: - Check the last page for details of the ODBII diagnostic connector. The type of connector changed with this model year and it is critical that the correct model is purchased or the cruise control will not work.

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 on a custom **bracket (2a)** on the left side of the bike, next to the motor.



An alternative **Long Range Computer Mounting Bracket (2b)** developed originally for the Husqvarna 701LR is available if the original mount will not work with an aftermarket long range fuel tank. This positions the computer further back in the bike's frame to allow clearance for long range fuel tanks that fit over the top of the bike and come down a long way each side.



The New Slim **Control Switch (3)** 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 **Original Style Control Switch (4)** may be mounted 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.



There is also an **optional switch mounting bracket available (5)** that places the switch below the handlebar.



The **Main Wiring Harness (6)** 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 front brake light switch connector is unplugged. Matching connectors on the cruise control harness are plugged in to the switch and the bike's harness. The **CAN-BUS Wiring Harness (7a)** is used to connect the cruise to the bike's CAN-BUS diagnostic plug. Road speed signal, tach (engine speed) signal and clutch operation signal 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. The **TPS Wiring Harness (8)** connects the bike's Throttle Position Sensor (TPS). This connection is used to operate the bike's throttle. The connectors, terminals and seals 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.

NOTE: - Check over the page for details of the OBDII diagnostic connector. The type of connector changed with this model year and it is critical that the correct model is purchased or the cruise control will not work.

NOTE: - If the bike is fitted with an off-road, fuel monitor or other type of CAN-BUS dongle connected to the OBDII diagnostic connector, make sure you purchase the CAN-BUS dongle patch harness (7b) with the cruise control kit. This will allow connection of the cruise control AND the dongle to the bike's diagnostic plug. This replaces the standard CAN-BUS wiring harness (7a).

Components drawing over the page

MotorCycle Cruise Controls

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Web Site:

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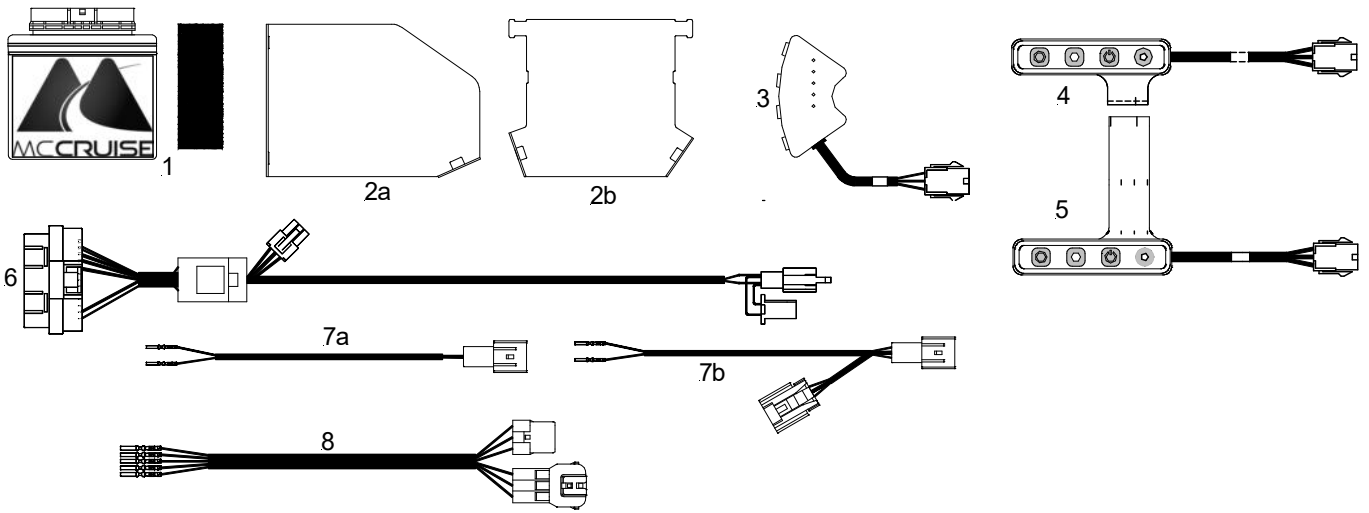
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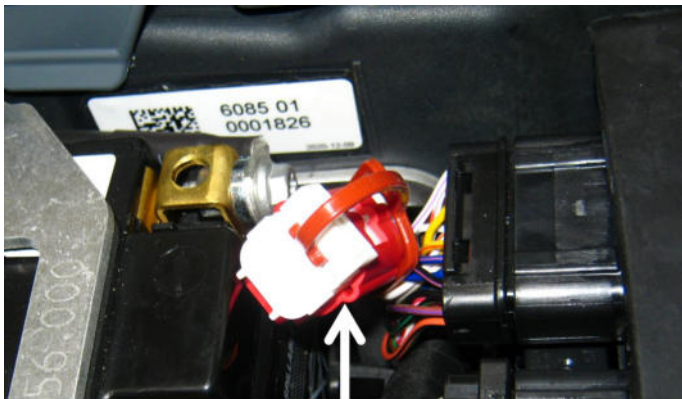
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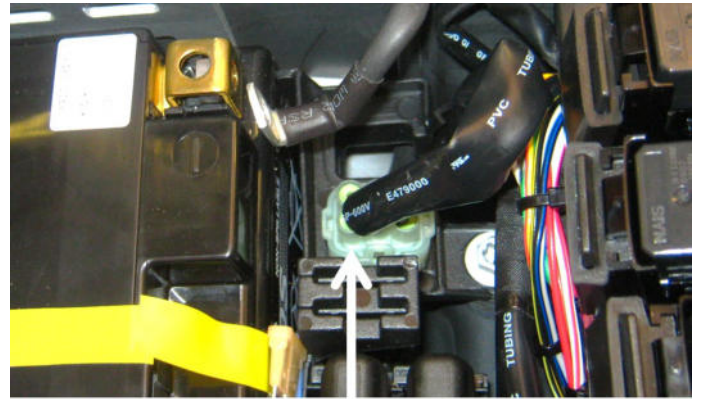


NOTE: - This cruise control kit is designed for the new Euro 5 OBDII diagnostic connector fitted to the 2021 model KTM690. These photos below show the new Euro 5 connector on the 2021 model below left and the previous connector from the 2019~2020 model below right. If your bike has the older connector do not purchase the 2021 cruise control, it will not fit or work on the bike. The connector type is different, and the coding used for the CAN-BUS signals is different.

The connector is found under the seat, behind the right rear corner of the battery, near the negative terminal post. The 2021 connector shown below left is loose under the seat and may be tucked under other parts in the area. The 2019~2020 connector shown below right is inserted into a socket in the plastic frame for the battery and electrical components.



**2021 EURO 5 OBDII -
DIAGNOSTIC CONNECTOR**



**2019~2020 OBDII -
DIAGNOSTIC CONNECTOR**

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