

Electronic Cruise Control for **HUSQVARNA 701 & 701LR**



NOTE: - This cruise control kit was designed for a 2019 KTM690 Enduro R. We have NOT fitted a cruise control kit to a Husqvarna 701 Enduro, but we have fitted one to a Husqvarna 701LR. On the LR (Long Range) version, the cruise control computer will NOT fit in the same location. We have designed a new mounting bracket for the 701LR. Apart from a few minor details the installation is identical to the KTM690 Enduro

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).

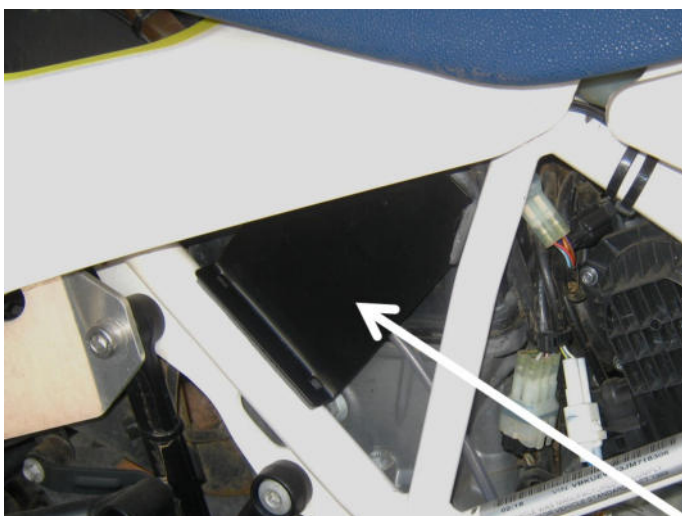
By comparison, a head light bulb typically draws about 4 amps (55 Watts), and a tail light bulb (running light) draws about 0.4 amp (5 Watts).

Refer to the line drawing on the back of this sheet to identify the components from the numbers in the text.

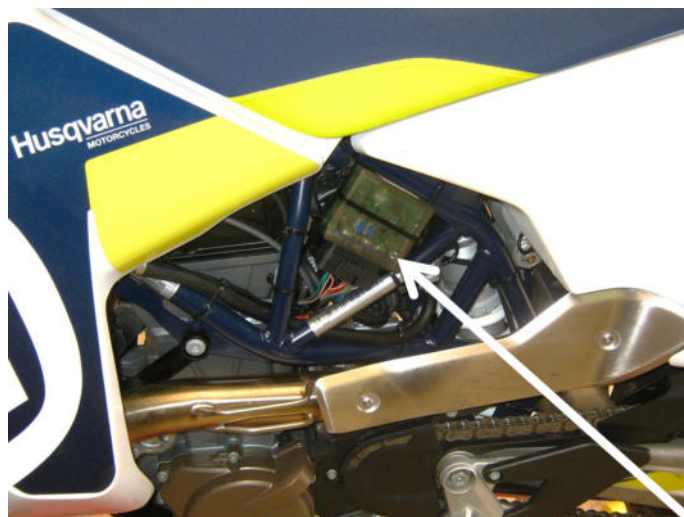
This photo shows the **Computer (1)** mounted on the KTM690 on a custom **bracket (2a)** on the left side of the bike, next to the motor.



The photos below show the same mounting **bracket (2a)** (below left) and computer on the bracket (below right) on a 2018 Husqvarna 701 Enduro. There is adequate space behind the bike's side cover above the computer for the connector and wiring harness. We have photos of a 2020 model, and the engine cases, frame and surround components appear to be identical to the 2018 model shown here.



If the bike has the long-range fuel tank (the LR version) the computer and bracket on the previous page will not fit. We designed a new **bracket (2b)**. Either the **Standard (2a)** or **Long Range (2b)** bracket may be selected when ordering the cruise control. The Long-Range bracket will fit either version of the 701 Enduro.



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. This photo shows the slim switch fitted to the 701LR.



The optional **Original 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.



MotorCycle Cruise Controls

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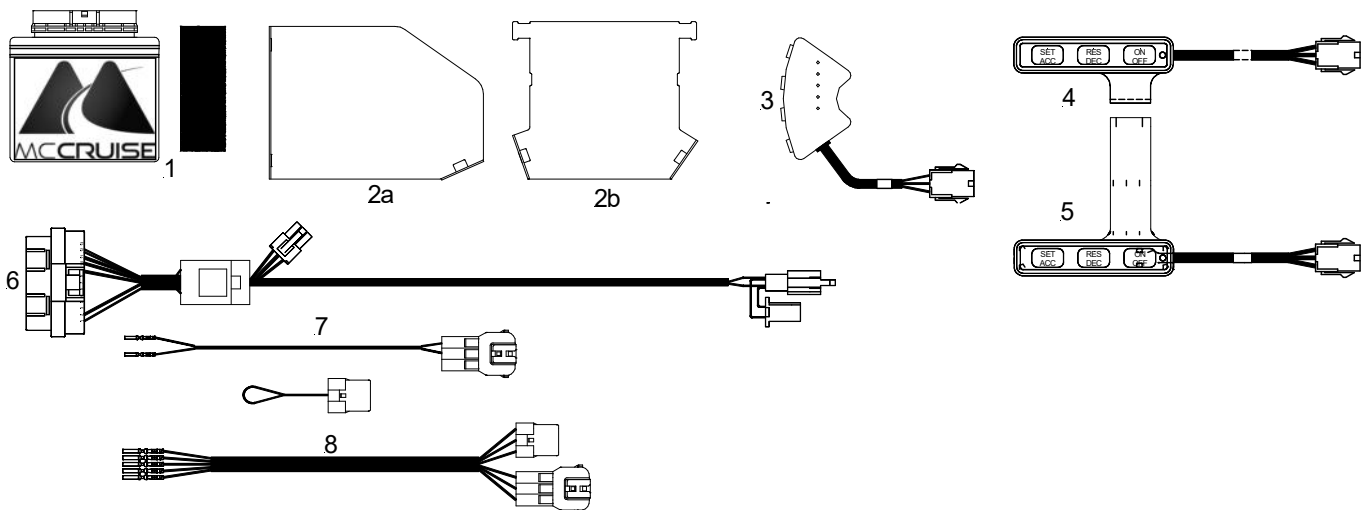
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There is also an **optional switch mounting bracket available (5)** that places the switch below the handlebar.



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 (7)** 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: - If the bike is fitted with an off-road, fuel monitor or other type of CAN-BUS dongle, make sure you purchase the CAN-BUS dongle patch with the cruise control kit. This will allow connection of the cruise control AND the dongle to the bike's diagnostic plug.



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