

# *Electronic Cruise Control for* **HONDA XL750 Transalp from 2023** **Throttle-By-Wire**



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

The 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 at the end of this document to identify the components from the numbers in the text.

The **Computer (1)** is mounted behind the right side cover. There is self-adhesive Velcro and cable ties provided in the kit to mount the computer on the bikes frame tubes.



The **Standard Control Switch (2)** mounts above the handlebar on the left side mirror stalk. This switch has backlit buttons for night use, and an indicator light for power (ON-OFF) and engage indication.

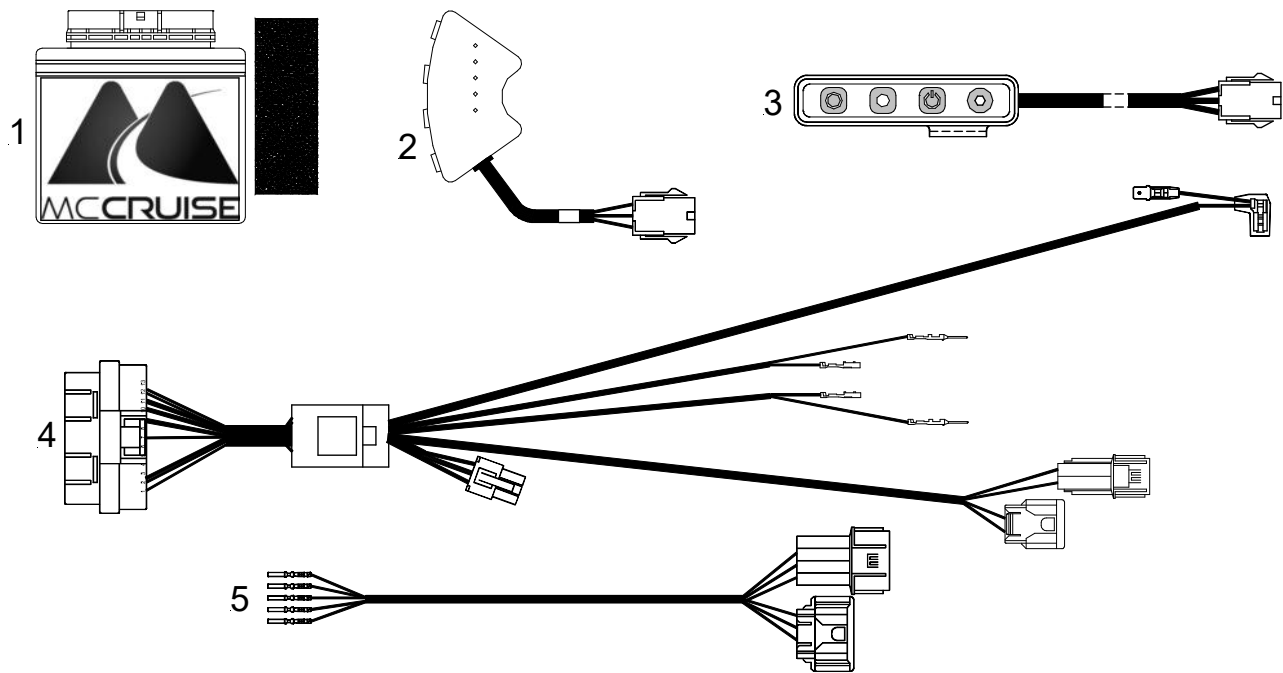


The optional New Slim **Control Switch (3)** mounts on the handlebar between the bikes' switch block and the clutch lever mount. This switch also has backlit buttons for night use, and an indicator light for power (ON-OFF) and engage indication.

The **Main Wiring Harness (4)** has the same type of plugs or terminals that are already used on the motorcycle. Power for the cruise control and brake sensing is taken off the brake light circuit 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. Road speed sensing is detected from the bike's speedometer circuit. Tach signal is sourced from one of the ignition coils. Tach signal 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 **TPS Wiring Harness (5)** connects the bike's Throttle-grip 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:** - The installation of the cruise control also requires that small and delicate electrical terminals are backed out of connector housings. A suitable tool to do this (a dressmaker's pin) is provided in the kit. Backing out these terminals without a suitable tool is almost impossible.



## ***MotorCycle Cruise Controls***

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