

'Quad Cruise' Electronic Cruise & Spray Control for Yamaha YFM550 & 700FI Grizzly 2007~2017



Quad Cruise is a new version of the MotorCycle Setup cruise control that is designed to operate at speeds from 4 km/h. It has also been designed to provide power to any crop spray system fitted to the vehicle - either manually, or only when the cruise control is engaged, via a 10 amp power outlet that is incorporated into the wiring loom. This means that spray operation occurs only when the vehicle's speed is held at the appropriate set speed on the cruise control.

The cruise control can be set to a specific speed to spray a row by pressing the SET button, turned off at the end of the row with either front or rear brake operation. The RES button can be used to set the vehicle's speed back to the previous speed. The spray system will turn on and off with the cruise control, when the spray switch is in the AUTO position.

Every effort has been made to make the cruise control waterproof. The new computer is fully sealed, as is the electric actuator. Wherever possible sealed connectors have been used on the wiring harness.

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

Current draw while the cruise control is switched on, but not engaged, is approximately 0.020 amp (0.28 watts). Current draw while the cruise control is engaged is nominally 0.5 amp (6 Watts) with peak draw at 2 amp (24 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).

Installed weight of the cruise control is approximately 3kg.

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

The **Computer (1)** and **Electric Throttle Servo (2)** are mounted inside the rear storage compartment. A **Servo cable (3)** connects the servo to the **CIU** (see below).

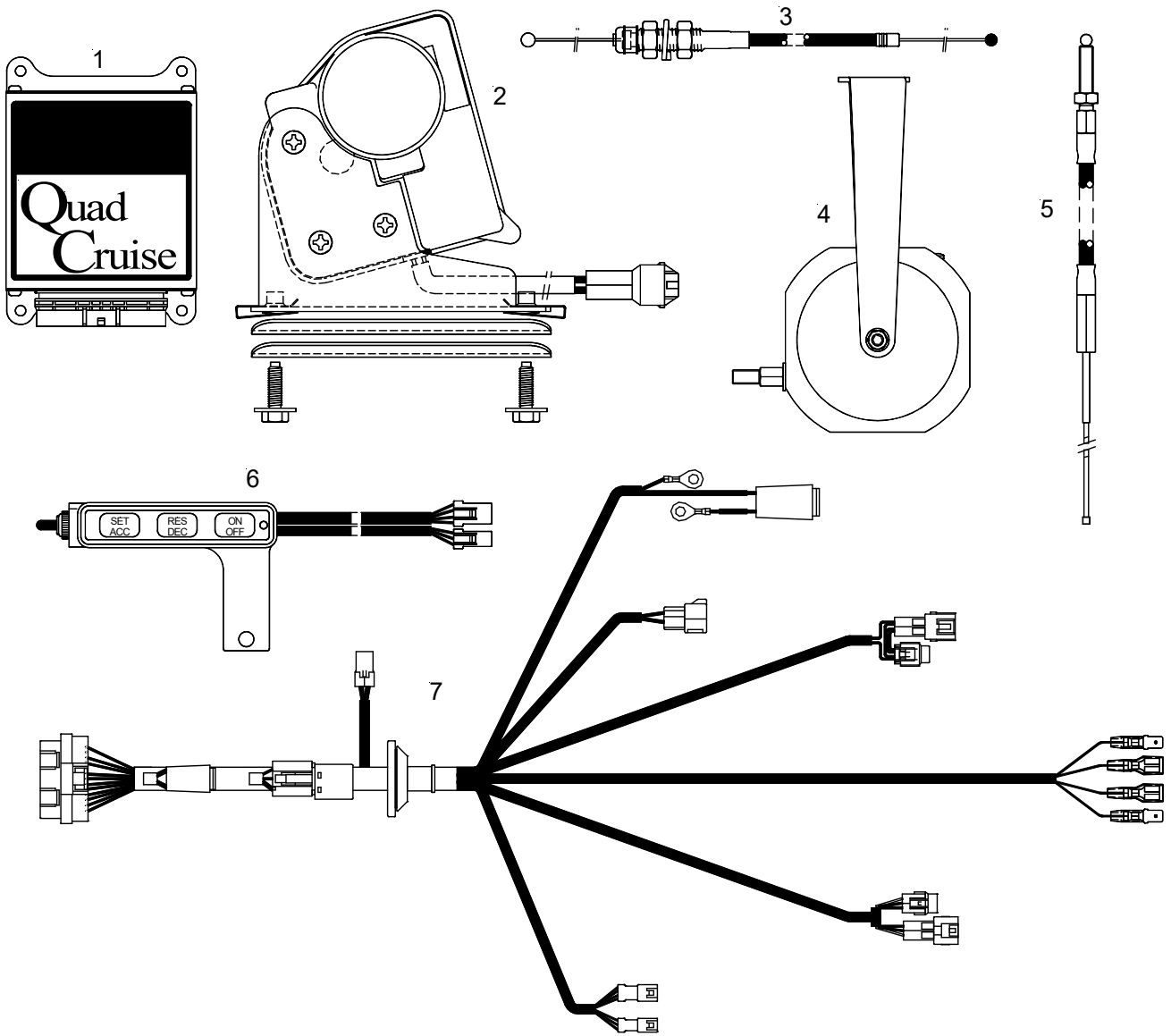


The '**Cable Interface Unit (CIU) (4)** is located beside the fuel injection throttle body under the gear shift selector lever and is mounted on one of the gear selector frame mounts. A new **cable (5)** is provided to connect the CIU to the throttle body. The existing throttle cable is disconnected from the throttle body and is reconnected to the CIU. A cable from the throttle servo is also connected to the CIU.

The **Control Switch (6)** is mounted to the left hand brake lever handlebar clamp and is located above the left hand switch block. The bracket mounts between the faces of the lever mounting clamp.



The **Wiring Harness (7)** is dedicated to the vehicle. Brake sensing is sourced from the brake light switches. Power for the speed control is also sourced from the vehicle's brake light circuit. Neutral gear sensing is sourced from the vehicles' neutral light switch. Speed signal is sourced from the vehicles' speedometer sender. Earth (ground) is sourced from the battery negative terminal. Power for the spray system is sourced from the battery positive terminal and a two pin plug is provided at the rear of the motorcycle for connection to the spray. Matching plug and terminals are provided in the kit for connection to the spray unit.



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