

# 'SpeedSafe' Electronic Speed Limiter for Polaris Ranger 700 EFI

# Quad Cruise

The 'SpeedSafe' is a new option for our 'QuadCruise' electronic cruise control for ATV's. The 'SpeedSafe' speed limiter may be added to an existing 'QuadCruise' installation or fitted as a stand alone speed limiter without the 'QuadCruise' cruise control. A 'QuadCruise' cruise control may also be fitted after the speed limiter is fitted, using some of the parts already supplied with the speed limiter (computer and control switch).

The 'SpeedSafe' speed limiter can be set to any speed desired. The 'SpeedSafe' speed limiter allows full use of the available power on the ATV up to the limiting speed. When the vehicle reaches the limiting speed, the speed limiter progressively cuts engine power. At the limiting speed the engine develops a slight misfire, however if the operator tries to go faster by applying more throttle, the speed limiter gradually makes the misfire worse up to a maximum of 5 kph (3mph) over the limiting speed. Most ATV's will not have enough power available to reach this speed (~90% power cut).

The following provides a brief description of the component locations of the 'SpeedSafe' electronic speed limiter.

Current draw is approximately 0.020 amp (0.28 watts).

Installed weight of the speed limiter by itself (not including cruise control parts) is approximately 0.5kg.

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

The **Computer (1)** is installed in the front compartment.

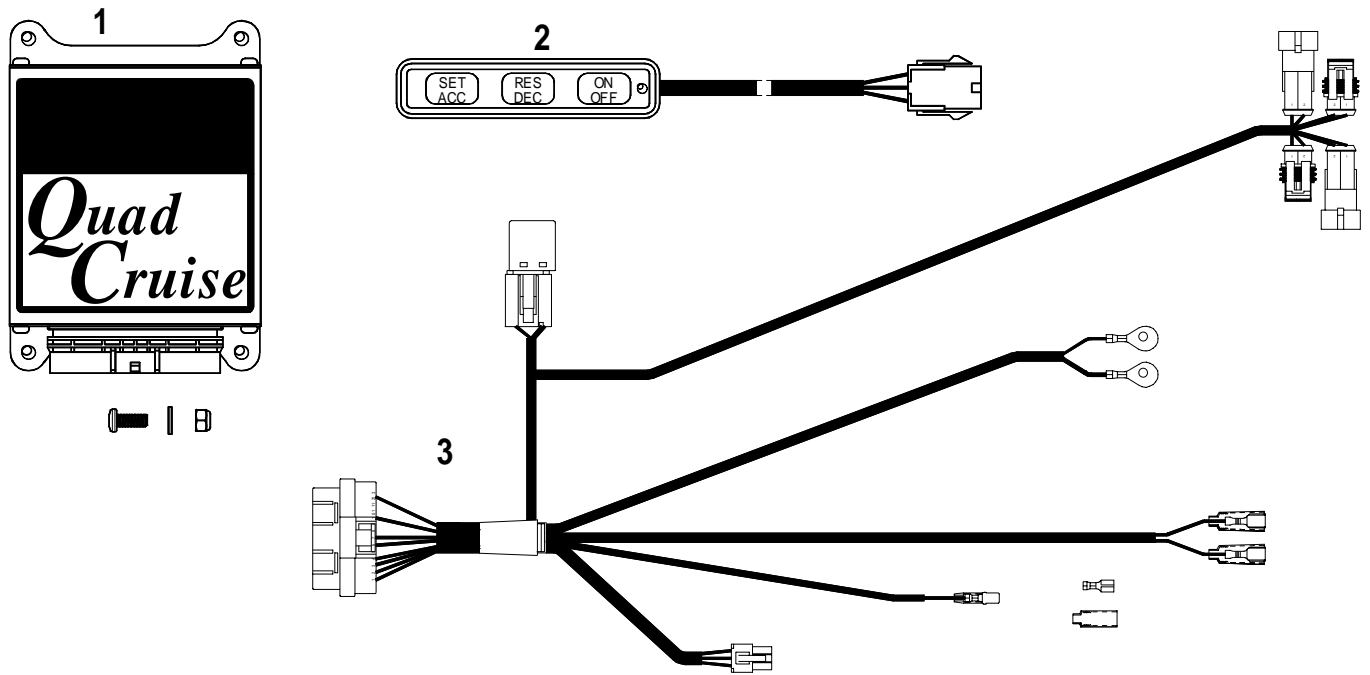


The **Control Switch (2)** is hand held for setup of the speed limiter, and is then removed from the vehicle. This remains fitted to the vehicle when the cruise control is fitted, but there is a specific set of instructions that must be followed so that the speed limiter setup cannot be altered by the operator accidentally or intentionally.



The **Wiring Loom (3)** is dedicated to the vehicle. Power for the speed limiter is sourced from the vehicles accessory power connector. The speed limiter is also connected to the vehicle's brake light circuit. Speed signal is sourced from the vehicle's speedometer sender. The speed limiter is connected to the fuel injector wires to cut the engine. Ground is sourced from the vehicle accessory ground connector.

**NOTE: - If the vehicle does not have an original Polaris speedometer fitted to it, a Polaris speedometer sender must be purchased and fitted to the vehicle. A speedometer is not required but the speedometer SENDER must be fitted.**



## ***MotorCycle Cruise Controls***

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