

# Tech Bulletin

## 600867 / 600868 Speed Control Installation Instructions

### Application:

The **600867** (25 Amp) and **600868** (40 Amp) are Motor Speed Controls with the required components to provide the Motor On/Off Switching function as well as the speed control function.

The controls are intended for a 12 Volt PMDC (Permanent Magnet DC) motor, no larger than 1/3 h.p. for the 600867 and no larger than 1/2 h.p. for the 600868.

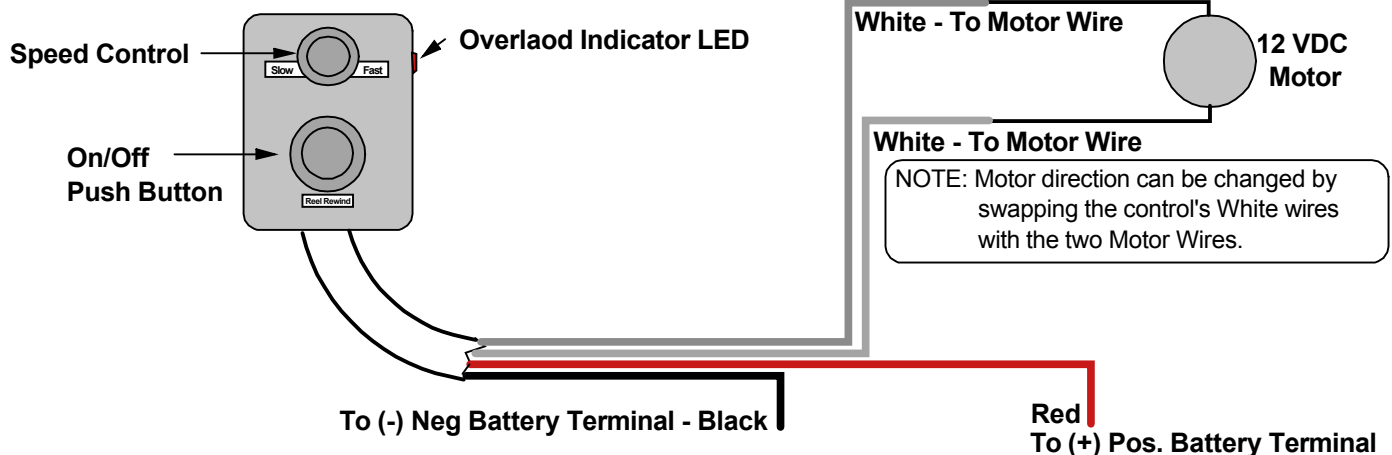
This control is not to be used for laborious applications, such as hydrojetting.

**Mounting:** Remove the nuts from the mounting studs and use 1/4" lockwashers and nuts to secure the control to your mounting site.

### Wiring Instructions:

The Control's Red wire and Black wire must be connected directly to the vehicle battery with 10 gauge wire if less than 8 feet to the battery. 8 gauge wire if 8 to 20 feet. 6 gauge if over 20 feet to the battery. Grounding the Black wire to the truck body is too high resistance and will cause a control failure. If using ring terminals, use the appropriate crimper to acquire a secure crimp and/or solder the barrel of the connector. Use dielectric grease for all bolt on electrical connections.

**CAUTION:** The wires from the Motor must not be connected to anything on the vehicle. They are to be connected to the Speed Control wires only.



**CAUTION:** Do not connect the Black wire to the positive battery terminal and do not connect the Red wire to the negative battery terminal. This will cause a dead short condition across your battery terminals which will result in the circuit breaker tripping and will cause damage to the Speed / Switch Control unit. Do not use a motor direction, or reversing, switch on the Red and Black wires.

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