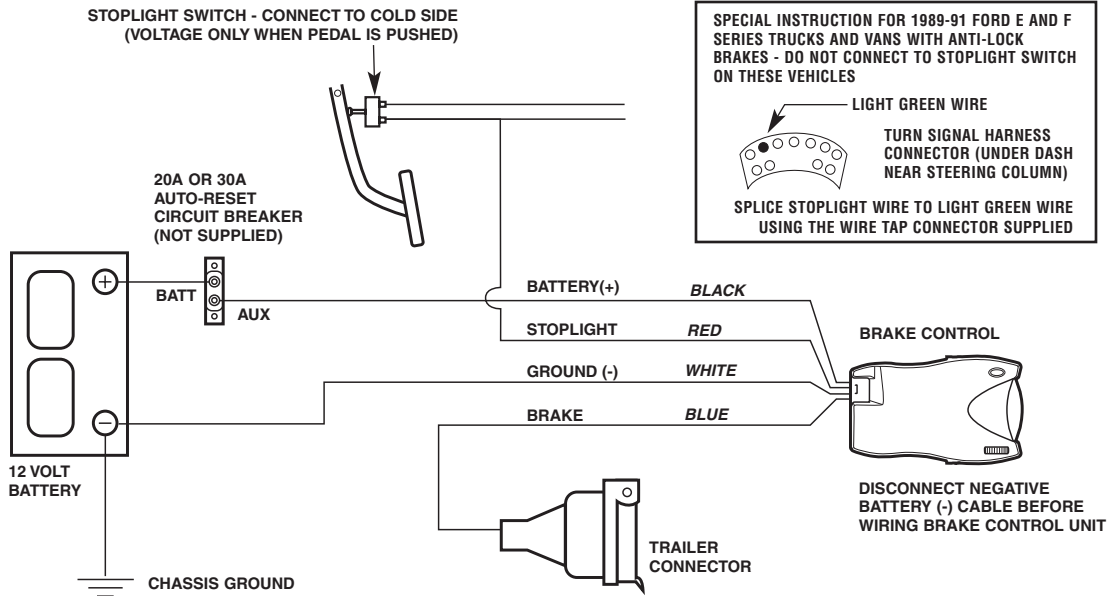


# BRAKE CONTROL WIRING INSTRUCTIONS

## WIRING INSTRUCTIONS FOR ELECTRONIC BRAKE CONTROLS

### Generic Wiring Diagram



### READ THIS FIRST:

Read and follow all instructions carefully before wiring brake control. Keep these instructions with the brake control for future reference.

### Important Facts to Remember

1. The brake control must be installed with a 12 volt negative ground system. *(To install with a positive ground system use Bargman® P/N 803191.)*
2. **⚠ WARNING** Reversing BLACK and WHITE wires or improper wiring will damage or destroy brake control.
3. **⚠ WARNING** Be sure to solidly connect all four wires or brake control will not function properly.
4. Soldering is recommended or crimp-on butt connectors are a suitable substitution.
5. Route all wires as far from the radio antenna as possible to reduce AM interference.

6. **⚠ CAUTION** Use of proper gauge wire when installing the brake control is CRITICAL; smaller gauge wire may result in less than efficient braking. **Minimum** wire gauges are as follows:
  - 1-2 axle applications – 14 GA.
  - 3-4 axle applications – 12 GA.
7. Collection of water inside the trailer connector mounted on the tow vehicle will reduce the life of the connector.
8. Technical Assistance Call Toll-Free: 1-888-785-5832 or [www.tekonsha.com](http://www.tekonsha.com)

### Wiring Legend

- + BLACK Wire (Positive Battery)
- WHITE Wire (Negative Battery)
- ⊗ RED Wire (cold side of stoplight switch)
- 🚚 BLUE Wire (brake output to trailer)

1. The WHITE (-) wire must be connected to a known ground.
2. **⚠ CAUTION** Inadequate grounding may cause intermittent braking or lack of sufficient voltage to trailer brakes. The WHITE wire must be connected to a suitable ground location. The negative terminal of the battery is a suitable ground location in the absence of a Trailer Tow Package connection.
3. Connect BLACK (+) wire through an automatic reset circuit breaker (20 amp for 1-2 axles, 30 amp for 3-4 axles) to the POSITIVE (+) terminal of the battery. The BLACK wire is the power supply line to the brake control.
4. The RED (stoplight) wire must be connected to the cold side of the brake pedal stoplight switch. Splice down line from the switch; DO NOT disturb the position of the switch.
5. The BLUE (brake output) wire must be connected to the trailer connector's brake wire.

TECHNICAL INFORMATION IS CURRENT AS OF THE PRINTING OF THIS CATALOG. CONTACT TECHNICAL SERVICE FOR PERIODIC UPDATES.

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