**WIRING INSTRUCTIONS FOR ELECTRONIC BRAKE CONTROLS**

*Generic Wiring Diagram*

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**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 Tekonsha P/N 3191.)*
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. **WARNING** Collection of water inside the trailer connector mounted on the tow vehicle will reduce the life of the connector.

**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.

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**SPECIAL INSTRUCTION FOR 1989-91 FORD E AND F SERIES TRUCKS AND VANS WITH ANTI-LOCK BRAKES - DO NOT CONNECT TO STOPLIGHT SWITCH ON THESE VEHICLES**

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**TURN SIGNAL HARNESS CONNECTOR (UNDER DASH NEAR STEERING COLUMN)**

**SPICE STOPLIGHT WIRE TO LIGHT GREEN WIRE**

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

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