

Wiring Instructions for Electronic Brake Controls

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. Technical Assistance Call Toll-Free: 1-888-785-5832 or www.tekonsha.com

Wiring Legend

BLACK Wire (Positive Battery)

WHITE Wire (Negative Battery)

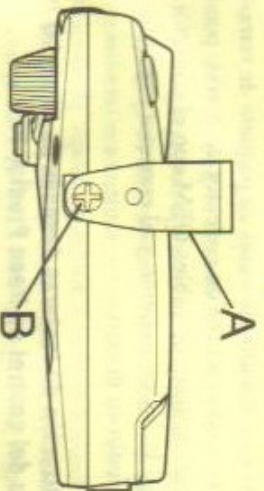
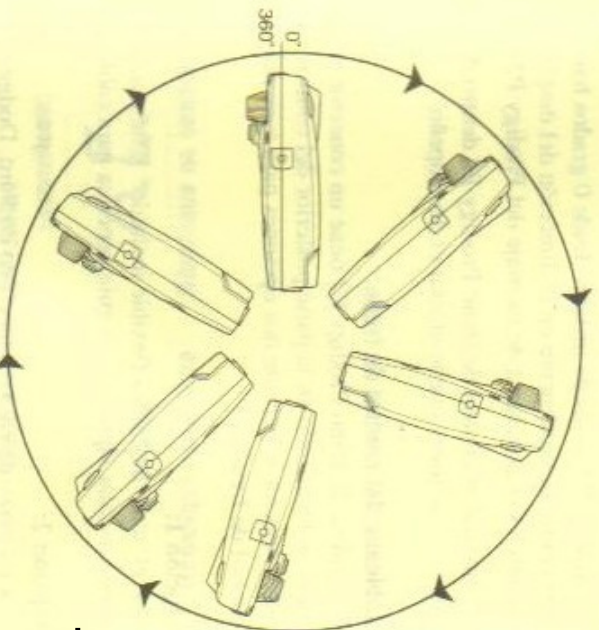
RED Wire (cold side of stoplight switch)

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.

Ensure correct wire thicknesses are used
or braking power will be reduced

Mounting the Prodigy P2

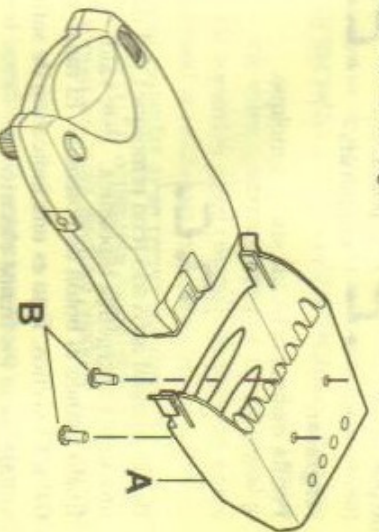


Traditional Bracket Mount

- Mounting Bracket
- #8 X 3/8" Machine Screw with Internal Tooth Washer

- CAUTION** Drilling or use of longer screws may damage unit.

- Securely mount bracket to a solid surface.
- Insert supplied #8 x 3/8" machine screws on each side into the mounting holes.
- Adjust control to desired position and tighten screws until snug.



Under Dash Pocket Mount

- Pocket Mount
- #6 X 1/2" Self Tapping Screws

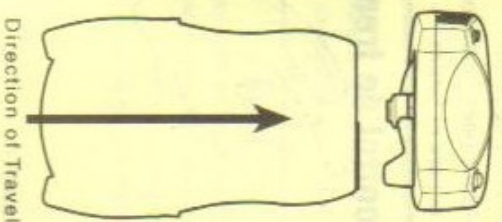
- Securely mount *Pocket Mount* to a solid surface using supplied #6 X 1/2" Self Tapping Screws.

Ensure correct wire thicknesses are used
or braking power will be reduced

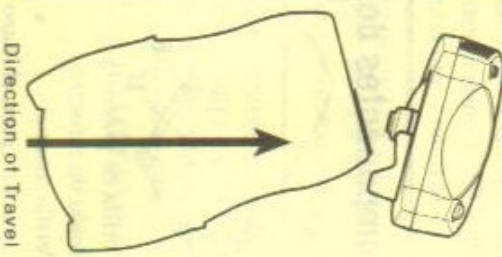
NOTE:

- Front of the Prodigy P2 must be horizontal (± 20 degrees), *see below*.
- The Prodigy P2 must be parallel to direction of travel (± 20 degrees), *see below*.

Correct



Incorrect



Automatic Leveling of the Sensor

The Prodigy P2 will automatically acquire the proper level setting. It will also automatically adjust as you travel up or down hills.

Adjusting the Power to the Trailer Brakes (Prior to setting Boost)

Once the control has been securely mounted in the direction of travel, it is necessary to set the power needed to stop the trailer during a braking event.

- Connect trailer to tow vehicle.
- With engine running hold manual full left and set Power Knob to indicate approximately 6.0
- Drive tow vehicle and trailer on a dry level paved surface at 25 mph and fully apply manual knob.
 - ☒ If trailer brakes lock up:
 - ☐ Turn power down using power knob.
 - ☒ If braking was not sufficient:
 - ☐ Turn power up using power knob.
- Repeat Step (3) until power has been set to a point just below wheel lock up or at a sufficient force as to achieve maximum braking power.
- Using the brake pedal, make a few low speed stops to check the power setting. Trailer braking is initiated and terminated via the stoplight switch. When the brake pedal is released, trailer braking will cease.