

Prodigy[®] Electronic Brake Control For 2, 4, 6 and 8 brake applications

READ THIS FIRST:

Read and follow all instructions carefully before installing or operating the Prodigy. Keep these instructions with the Brake Control for future reference.

Components of the Brake Control



- A. Power Knob
- B. Boost Button
- C. Manual Knob
- D. Connector (for Wiring Harness)
- E. Mounting Hole (1 per side)

Important Facts to Remember

1. Do not attempt to activate RF generating items (cellphones, two way radios) near (less than 12') the brake control.
2. **CAUTION** Breaching the connection to shore/dry battery on the trailer will destroy the Prodigy.
3. **CAUTION** Disconnect trailer plug from the tow vehicle prior to testing shore/dry switch or you may destroy the Prodigy.
4. The Prodigy employs an internal sensor. It senses deceleration and generates an output that is based on deceleration, thus the term "Proportional Braking".
5. The Prodigy will "HOLD" your trailer with 20% airpower setting while you are at a standstill with brake pedal applied for longer than 3 seconds.
6. The Prodigy will brake proportionally to deceleration and will apply the appropriate brake voltage based on deceleration.
7. For Technical Assistance and Warranty Information call: 1-888-745-5832 or www.idanuba.com.
8. **WARNING** The Gross Combined Weight Rating (GCWR) must never exceed the vehicle manufacturer's recommendations.
9. **CAUTION** This control is not designed for use with electric/hydraulic trailer brake systems.

Installation Guide

▲ The Prodigy must be mounted from 0 degrees to 70 degrees most up. (See Below).

Initially, to ensure it is advisable to leave a margin of either intent to keep from them coming on when going up and down hills. When mounted near level the lower/horn may come on during heavy acceleration (see Variable-deceleration Charts). This will not affect the performance during braking.

Failure to install the Prodigy within these constraints may cause impaired performance.

Wiring Brake Control

The Prodigy brake control has seven (7) wire and unique connector located at the back of the control. This connector allows you two options to wire your brake control.

Option 1:

Use Pigtail Wiring Harness included. This harness can be installed by following the Generic Wiring Guide.

Option 2:

Use a Ford, Dodge or GM specific wiring harness. If your vehicle came with a factory tow package that included a 7-way connector, you can purchase a Tekonsha OEM wiring harness with the Prodigy connector on one end and your specific vehicle's connector on the other.

Display Readings after Wiring the Prodigy

After successfully wiring your Prodigy you should see the following on the two-digit display:

- Power to Prodigy without trailer connected.



- Power to Prodigy with trailer connected and



- Manual Knob Activated without trailer



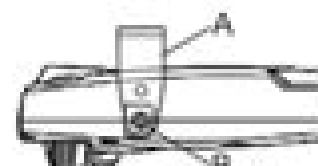
- Manual knob activated (with trailer), 7.4 displays a hypothetical power output. This value is set using the power knob. Range is 0.0 to 1.0 volts. This is an indication of voltage output to electric brakes.



- Power to Prodigy but display is in power saving mode (no motion or activity for at least fifteen minutes).



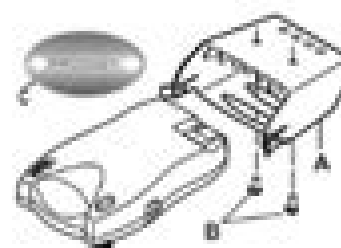
Mounting the Prodigy



Traditional Bracket Mount

- A. Mounting Bracket
- B. #6 X 1/2" Machine Screw with Internal Tooth Washer

1. **CAUTION** Drilling or use of longer screws may damage unit.
2. Securely mount bracket to a solid surface.
3. Insert supplied #6 x 1/2" machine screws on each side into the mounting holes.
4. Adjust control to desired position and tighten screws until snug.



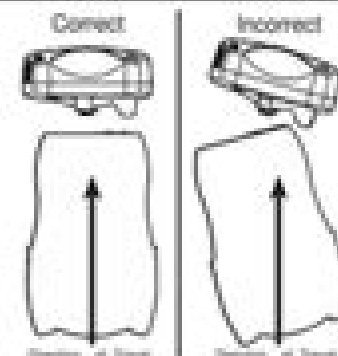
Under Dash Pocket Mount

- A. Pocket Mount
- B. #6 X 1/2" Self Tapping Screws
- C. Pocket Mount Template

1. Securely mount Pocket Mount to a solid surface using supplied #6 X 1/2" Self Tapping Screws.
2. Insert Prodigy Brake control.
3. Plug in connector.

NOTE:

1. Front of the Prodigy must be horizontal, see below.
2. The Prodigy must be parallel to direction of travel, see below.



Automatic Leveling of the Sensor

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

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

Once the control has been correctly mounted within the 70-degree range, it is necessary to set the power level to stop the trailer during a braking event.

1. Connect trailer to tow vehicle.
2. With engine running hold manual knob left and set Power Knob to indicate 6.0.
3. 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.
4. Repeat Step (3) until power has been set to a point just before wheel lock up or at a sufficient force so as achieve maximum braking power.
5. Using the brake pedal, make a low low speed stop to check the power setting. Trailer braking is initiated and terminated via the stoplight switch. Whether the brake pedal is released, trailer braking will cease.

Tekonsha Prodigy Manual

F. L. Woodward



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Manual of a Mystic Being a Translation from the Pali and Singhalese Work Entitled the Yogāvachara's Manual
F. L. Woodward, 1916

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