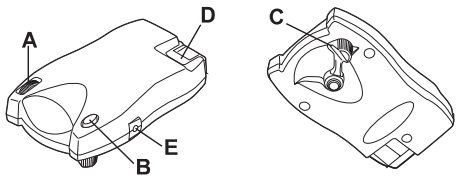
Prodigy®
Electronic Trailer Brake Control
For 2, 4, 6 and 8 brake applications
Quick Reference Card

For Technical Assistance Call:
1-888-785-5832 or visit
www.tekonsha.com



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

Setting The Power

1. Once you've connected the brake control's electrical wire harness to the vehicle and mounted Prodigy, connect the trailer's electrical connector to the tow vehicle.

NOTE: The following illustration should be showing in the display.

Boost on Level 1
(See boost features)

2. With engine running hold manual full 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

4. If the trailer wheels lock up, slightly reduce power by adjusting the power knob. If the wheels turn freely, increase power to a point just before wheel lock up.

NOTE: For optimal performance: All electric trailer brake controls require you to "warm the brakes" before setting the power. To warm brakes, drive a short distance (1/4 mile) at 45 MPH with manual lever engaged approximately halfway.

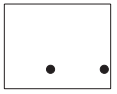
⚠ **WARNING** The Gross Combined Weight Rating (GCWR) must never exceed the vehicle manufacturers recommendation.

⚠ **CAUTION** This control not designed for use with electric-hydraulic trailer brake systems

P/N 7687 REV G 04/04

Power Display Indicators

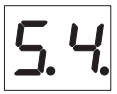
Displays for 15 seconds then changes to:



Power to Prodigy® without trailer connected.

Power to Prodigy with trailer connected and boost feature not engaged.

Power to Prodigy with trailer connected and boost feature engaged.



Manual knob activated (with trailer), **5.4 denotes a hypothetical power output.** This value is set using the power knob. Range is 0.0 to 13 volts. This is an indication of voltage output to electric brakes.

Manual knob activated without trailer electrically connected to the tow vehicle.

(Blank Display)

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

Operating Indicators

NOTE: Trailer must be electrically connected to tow vehicle.

Too low, out of optimum operating range. (flashing)

Trailer is connected and Prodigy loses connection to battery ground. (flashing)

Power interruption while brake pedal is depressed.

Too high, out of optimum operating range. (flashing)

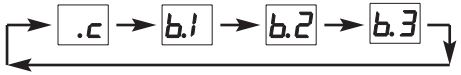
Prodigy detects brake wire short during idle condition. (flashing)

Prodigy "sees" an overload condition during operation.

The Exclusive Prodigy® "Boost" Feature

The boost button was designed to allow a more aggressive setting for your trailer brakes and is available in three levels - **[** *b.1* **]**, **[** *b.2* **]**, **[** *b.3* **]**. Each incremental boost setting increases the sensitivity of the Prodigy's inertial sensor, enhancing the participation of the trailer brakes during a braking event.

The first press on the boost button displays the current setting. Boost is advanced to the next level by continuing to press the boost button.



Five seconds after setting the boost level, the display will show

indicating **Boost On** by the right most decimal.

For example: With the boost off, **[** *.c* **],** during a braking event, the power to the brakes starts out at zero and increases with deceleration. **With the boost on level 1**, **[** *b.1* **]**, during a braking event, the power automatically starts out at approximately 13% of the power setting and increases with deceleration. **With boost on level 2**, **[** *b.2* **]**, **or with boost on level 3**, **[** *b.3* **],** during a braking event, the power automatically starts out at approximately 25% of the power setting and increases with deceleration.

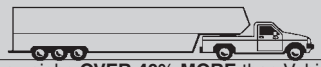
Some cases where you might want to use the boost button:
- You like the trailer braking to 'LEAD' the tow vehicle's braking
- Towing a full vs. empty trailer
- Degraded brake performance [most electric brakes require manual adjustment - see Instructions (Appendix A) or a dealer for adjust ment or repair]

NOTE: Boost not intended to be used to take place of trailer brake adjustment or repair.

See the chart below for recommended "Boost" settings (indicated with **X**) for typical Trailer to Vehicle weight relationships.

Select your boost setting based on your towing situation, driving preference and condition of your trailer brakes.

Typical Boost Settings For Optimal Performance
(with properly adjusted trailer brakes*)

TRAILER WEIGHT compared to VEHICLE WEIGHT	.c BOOST "OFF"	b.1	b.2	b.3
		⇧ INCREASING BOOST LEVEL ⇧		
 Trailer weighs **LESS** than Vehicle	X	X		
 Trailer weighs **APPROXIMATELY SAME** as Vehicle	X	X	X	
 Trailer weighs **UP TO 25% MORE** than Vehicle		X	X	X
 Trailer weighs **UP TO 40% MORE** than Vehicle			X	X
 Trailer weighs **OVER 40% MORE** than Vehicle	⚠ **WARNING Do not exceed Gross Combined Weight Rating (GCWR)**			X

*** Increased Boost setting may be needed if trailer brakes are worn, see Instructions (Appendix A) or a dealer for brake adjustment or repair.**

Reverse

When backing a trailer you can cancel "BOOST" and "HOLD" for a period of three minutes. This can be accomplished by pressing the boost button continuously for five seconds with the brake pedal depressed. The display will indicate:

(If "boost" was active, the right hand decimal point will also be on.) After three minutes the "BOOST" and "HOLD"** features will automatically return to your previous settings.

NOTE: Returning to your previous settings prior to three minutes can be accomplished by pressing the boost button.

** The Prodigy will "HOLD" your trailer with 25% of power setting while you are at a standstill with brake pedal applied for longer than 5 seconds.