

PRODIGY® RF

The perfect shared-trailer solution. If you take to the road with multiple vehicles, there's really only one solution: Prodigy RF



- Benefits of the Prodigy RF:
 - User does not need a dash mounted, hard wired brake control
 - True proportional trailer braking, forward or reverse
 - Trailer braking power supplied via 7-way connector from the vehicle
 - Suitable for use on any trailer with up to 3 braking axles
- In the tow vehicle (hand held unit):
 - Wireless communication between the remote hand unit and trailer mounted power module eliminates the need for under dash wiring
 - Easy to see LED display for trailer brake voltage, power output and diagnostics
 - Easy to use remote hand control; includes the Prodigy "Boost" system to allow for different levels of customized braking
 - Unit provides continual diagnostic scanning with a visual warning display
 - Hand held unit plugs into any standard 12 volt power accessory adapter
 - Hand held unit has a limited 5 year warranty
- On the trailer (power module unit):
 - Power module uses standard RV blade style (Bargman) 7-way truck and trailer connectors
 - Trailer power module is watertight and is powered through 7-way cable from the tow vehicle
 - Multiple mounting options on the tongue or front of the trailer
 - Trailer mounted power module has a limited 15 year warranty (limited 1 year warranty on cord)



| Part Number | Description | Packaging |
|-------------|--|-------------|
| 90250 | Prodigy RF Trailer Mount Brake Control with Hand Held Unit | Display Box |
| 90251 | Prodigy RF Remote Hand Held Unit, Replacement Part | Clam |



P3®

Taking innovation to a whole new level. P3; the industry's most advanced electric trailer brake control.



- A true proportional braking system, P3 has several added features, making it the new standard for electric trailer brake controls
 - 5 storable setting options for pulling different trailers or preferences of multiple drivers
 - A distinct, easy-to-read LCD display with multiple screen color options
 - "Up-Front" controls provide easy access to all P3 features
 - Easy to understand diagnostics show output current, battery/brake/output voltage
 - A "flashing red" warning system alerts user to "No Trailer Brake" situations
 - Select Electric over Hydraulic or Electric trailer brake mode
 - Numerous mounting options - including 360 degree vertical rotation
 - Screen information display in English, French or Spanish
 - "The Original Boost" feature allows for different levels of customized braking
 - Compact, dash-hugging design
 - Integrated Plug & Play port for 2-plug adapters
 - Snap-in mounting clip allows user to remove and store the control when not in use
 - Electric trailer brake control for up to 4 braking axles



| Part Number | Description | Packaging |
|-------------|--|-------------|
| 90195 | P3 Proportional Electronic Trailer Brake Control | Display Box |

NOTE: Plug & Play feature allows quick and easy connection. It adapts to all Tekonsha 2-Plug vehicle specific brake control wiring harnesses. See application guide for vehicle specific applications.

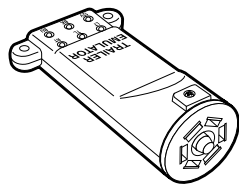


BRAKE CONTROLS

BRAKE CONTROLS

TRAILER EMULATOR REFERENCE GUIDE

Trailer Emulator



- LT - Left turn signal, Red Light
- TL - Tail / running lights, Red Light
- RT - Right turn signal, Red Light
- 12V - 12 volt battery supply line, Red Light
- BK - Electric trailer brakes, Red Light
- BU - Backup lights, Red Light

User's Guide

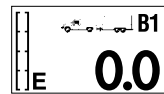
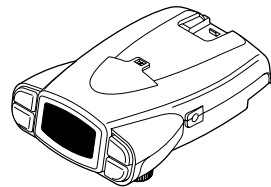
The Trailer Emulator requires the ground and 12 volt battery line to be properly connected in order to check the electric brake circuit.

- 12 volt light on the emulator will be lit as soon as the emulator is connected to the tow vehicle's plug. If this does not happen see Troubleshooting Chart.
- The RT, LT, TL and BU lights will light on the emulator as those functions are activated on the tow vehicle. If this does not happen see Troubleshooting Chart.
- The BK light on the emulator should be off until the brake control is activated. (May see a flicker but not on steady) **NOTE:** The trailer emulator is not an exact trailer load so the light displays on various brake controls will respond differently.

BRAKE CONTROLS WITH LCD DISPLAY

90195 - P3™

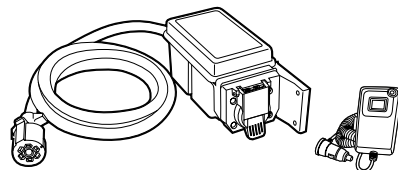
Brake Control's display should show:



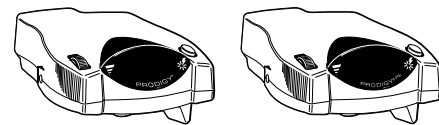
- With trailer emulator connected and no manual slide activation.
- Varying voltage displayed from 0-13 as manual is activated with the power knob full on.

BRAKE CONTROLS WITH DIGITAL DISPLAY

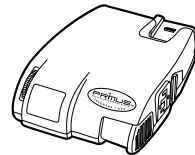
90250 - Prodigy RF™



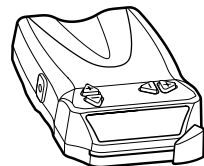
90185 - Prodigy® / 90885 - Prodigy® P2



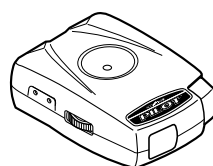
90160 - Primus™ IQ



5535 - I-Command™



80550 - Pilot™

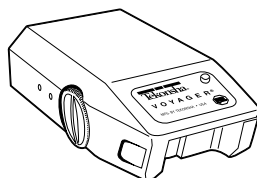


Brake Control's display should show:

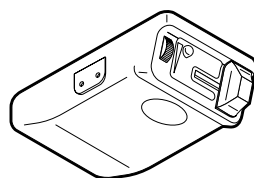
- .c - With trailer emulator connected and no manual slide activation ("c" indicates connection to the trailer).
- Varying voltage displayed from 0-13 as manual is activated with the power knob full on.

BRAKE CONTROLS WITH LED DISPLAY

9030 - Voyager®



90160 - POD™



Brake Control's display should show:

- GREEN - with trailer emulator connected with no manual slide activation.
- GREEN to varying colors of RED - trailer emulator connected and manual slide activated.

Technical information is current as of the printing of this catalog. Contact technical service for periodic updates.

TRAILER EMULATOR REFERENCE GUIDE

Troubleshooting Chart

| Condition | Probable Cause |
|---|---|
| Trailer Emulator connected to tow vehicle: | |
| - 12V LED is NOT lit on Trailer Emulator. | 1) Bad ground or incorrect wiring in tow vehicle connector. 2) No 12 volt battery power supplied to connector. |
| - LT LED is NOT lit on Trailer Emulator NOTE: Applies for LT, RT, TL and BU LEDs. | 1) Bad ground or incorrect wiring in tow vehicle connector. 2) Loose or poor connection in circuit under test. |
| - BK is NOT lit on Trailer Emulator when manual slide / touch pad is activated, but 12V LED is lit. | 1) Bad ground or incorrect wiring in tow vehicle connector. 2) Poor ground on Brake Control. Brake Control goes into a limit mode. 3) Gain adjustment on Brake Control is set to minimum, adjust gain to maximum and retest using manual. |
| - BK is NOT lit on Trailer Emulator when Brake Pedal is depressed, but 12V LED is lit. | 1) If using brake pedal, Tekonsha's inertia activated controls require vehicle movement to activate sensor. Apply the manual switch and see if BK LED lights. (SEE NOTE) |

Note:

The following two methods are available to test the Automatic response of the Tekonsha brake control with the Trailer Emulator.

1. Vehicle in Motion Method
 - Connect Trailer Emulator to vehicle.
 - Properly adjust the Level of the brake control.
 - Drive vehicle and apply brake pedal, the brake control's light should indicate a braking event.

2. Aggressive Level Method
 - Connect Trailer Emulator to vehicle.
 - Properly adjust the Level of the brake control.
 - Adjust Level setting toward Aggressive.
 - The brake control's light should indicate a braking event.
 - When finished with test remember to adjust the brake control's level back to desired tow setting.

For Technical Assistance and Warranty Information call: 1-888-785-5832 or www.tekonsha.com



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