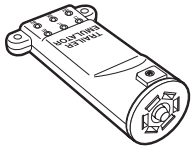


# TRAILER EMULATOR REFERENCE GUIDE

## 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. **NOTE:** The trailer emulator is **not an exact trailer load** so the light displays on various brake controls will respond differently.

The following can be expected with Brake Controls:

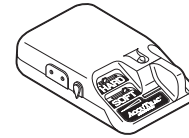
### 8080750 – DigiTrac® II



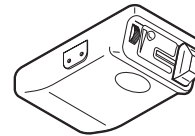
### 8080550 – Pilot®



### 8080510 – AccuTrac®



### 8080500 – POD®



#### 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 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.

## Trailer Emulator Troubleshooting Chart

Condition	Probable Cause
<b>Trailer Emulator connected to tow vehicle</b> - <b>12 V LED</b> is <b>NOT</b> lit on Trailer Emulator - <b>LT LED</b> is <b>NOT</b> lit on Trailer Emulator	1. Bad ground or incorrect wiring in tow vehicle connector. 2. No 12 volt battery power supplied to connector.
<b>NOTE:</b> Applies for <b>LT, RT, TL</b> and <b>BU</b> LEDs - <b>BK</b> is <b>NOT</b> lit on Trailer Emulator when <u>manual slide / touch pad</u> is activated, but <b>12 V LED</b> 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.
- <b>BK</b> is <b>NOT</b> lit on Trailer Emulator when <u>Brake Pedal</u> is depressed, but <b>12 V LED</b> is lit.	1. If using brake pedal, Cequent™ Performance Products inertia activated controls require vehicle movement to activate sensor. Apply the manual switch and see if <b>BK LED</b> lights. (SEE NOTE)

### NOTE:

The following two methods are available to test the **Automatic response** of Cequent Performance Products 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.

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