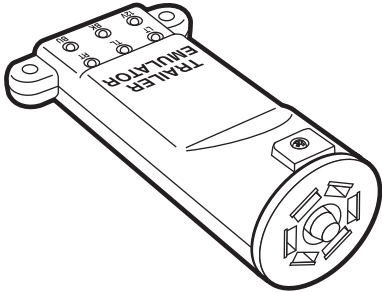


## TRAILER EMULATOR REFERENCE GUIDE

### 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.

## Trailer Emulator Troubleshooting Chart

Condition	Probable Cause
Trailer Emulator connected to tow vehicle - 12 V LED is <b>NOT</b> lit on Trailer Emulator	<ol style="list-style-type: none"> <li>1. Bad ground or incorrect wiring in tow vehicle connector.</li> <li>2. No 12 volt battery power supplied to connector.</li> </ol>
- LT LED is <b>NOT</b> lit on Trailer Emulator	<ol style="list-style-type: none"> <li>1. Bad ground or incorrect wiring in tow vehicle connector.</li> <li>2. Loose or poor connection in circuit under test.</li> </ol>
<i>NOTE:</i> Applies for LT, RT, TL and BU LEDs - BK is <b>NOT</b> lit on Trailer Emulator when <u>manual slide / touch pad</u> is activated, but 12 V LED is lit.	<ol style="list-style-type: none"> <li>1. Bad ground or incorrect wiring in tow vehicle connector</li> <li>2. Poor ground on Brake Control. Brake Control goes into a limit mode.</li> <li>3. Gain adjustment on Brake Control is set to minimum, adjust gain to maximum and retest using manual.</li> </ol>
- BK is <b>NOT</b> lit on Trailer Emulator when <u>Brake Pedal</u> is depressed, but 12 V LED is lit.	<ol style="list-style-type: none"> <li>1. If using brake pedal, Cequent Performance Product's inertia activated controls require vehicle movement to activate sensor. Apply the manual switch and see if BK LED lights. (SEE NOTE)</li> </ol>

### NOTE:

The following two methods are available to test the Automatic response of the Cequent Performance Product's 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.

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