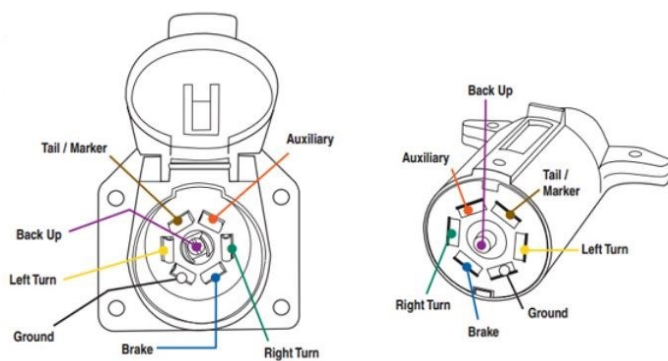


## Specifications

- Trailer connector type: Standard 7-way blade RV type socket (SAE J2863).
- Compatible with trailer Connector Adapters to convert the Tester's 7-blade RV type socket to most any type of trailer connector.
- Signal flasher: Compatible with incandescent and LED bulbs.
- Circuit breaker rating: 10 amp.
- Power source: Trailer's on-board battery\* or auxiliary 12v power source.
- Aux power cable connector: Standard male cigarette lighter plug.
- Aux Power source requirements: Any 12v power source capable of providing 10amps, such as a Portable Power Pack or Battery.
- Enclosure: Is water resistant and made of durable ABS plastic.
- Dimensions: 8" x 5" x 4".

\*Some trailers are not capable of supplying power to the LT35.



7-WAY RV BLADE WIRING DIAGRAM

### One Year Limited Warranty or Replace Policy:

This product is covered for one year from the date of the original purchase. This product is warranted to be free from defects in workmanship or material. If there is a problem due to workmanship or material defect, Light-Tester.com will repair or replace the product. If it is determined that the product has been tampered with or altered in any way, the warranty is void and all claims against the product will not be honored. The Warranty Repair/Return procedures require proof of purchase must be established (receipt/invoice). If it has been determined that the tool has been damaged due to misuse, Light-Tester.com will repair the tool at a cost we deem reasonable and these charges will be the responsibility of the user.

**Light-Tester.com**



LT35

Trailer Light Tester

User's Guide

## **Trouble-Shooting**

### **Powering the LT35 Light Tester**

1. **Powering the LT35 using trailer's on-board battery:** The LT35 can be powered by your trailer's on-board battery (if equipped) through the 7-way connector. If your trailer is capable of powering the tester, the LT35's Power Status LED will illuminate when your trailer's 7-way connector is plugged into the tester. Note: Some trailers have a diode in their circuitry that inhibits powering this tester, if so use method #2.
2. **Powering the LT35 using its cigarette lighter plug:** The LT35 can be powered by any 12v negative ground power source, such as a portable power pack, jump box, or auto battery capable of supplying a minimum of 10 amps. The LT35's Power Status LED will illuminate when the cigarette lighter plug is attached to a 12v power source. Note: When using a trailer Connector Adapter to connect the LT35 to a trailer that has a 4, 5, or 6-way connector, power your tester using this method.

### **Using the LT35 Light Tester**

1. **Ensure the tester's Power Status LED illuminates:** Fully plug-in the trailer's connector into the LT35 tester, check that the tester's Power Status LED illuminates. If it doesn't, confirm the trailer's battery is charged or plug tester's cigarette light plug into a suitable 12v power source.
2. **Tail & Marker Light Test:** Rotate the control knob to position 1, check to ensure the trailer's tail and marker lights are ON.
3. **Brake Light Test:** Rotate the control knob to position 2, check to ensure the trailer's brake lights are ON.
4. **Turn Signal Light Test:** Rotate the control knob to position 3 or 4, check to ensure the trailer's left or right turn signal lights are flashing ON.

### **Power Status LED does not illuminate when powering the LT35 with the trailer's battery.**

- Trailer has poor connection with LT35 tester. Solution: Check & clean 7-way connector, and ensure it is fully plugged-in.
- Circuit breaker may be tripped. Solution: Reset the circuit breaker by pushing the button down until it stays in the lowered position. If the circuit breaker continues to trip, there's likely a short-circuit in your trailer's wiring.
- Trailer's battery maybe discharged or connected improperly. Solution: Charge trailer's on-board battery and check for proper polarity when connecting battery.
- Trailer may not be capable of providing power to LT35, due to diode in trailer's circuitry. Solution: Power LT35 through cigarette light plug using an auxiliary power source.

### **Power Status LED does not illuminate when powering the LT35 through its cigarette lighter plug.**

- Low voltage from 12v power source or reverse polarity. Solution: Ensure power source is providing a minimum of 12v and check for proper polarity.
- Circuit breaker may be tripped. Solution: Reset the circuit breaker by pushing the button down until it stays in the lowered position. If the circuit breaker continues to trip, there's likely a short-circuit in your trailer's wiring.
- The cigarette lighter plug may have a blown fuse. Solution: Unscrew the tip of the cigarette lighter plug to inspect the 10A fuse, replace fuse if blown.

### **Power Status LED is On, but trailer lights do not turn On.**

- Low voltage from 12v power source. Solution: Charge power source's battery.
- Check trailer for faulty lights, wiring, grounds, battery polarity, etc.

### **Circuit Breaker keeps tripping.**

- The circuit under test likely has a short circuit, which is typically a 12v wire that is shorting to ground. Solution: Check and repair if needed affected circuits wire for cuts, damage or pinching.