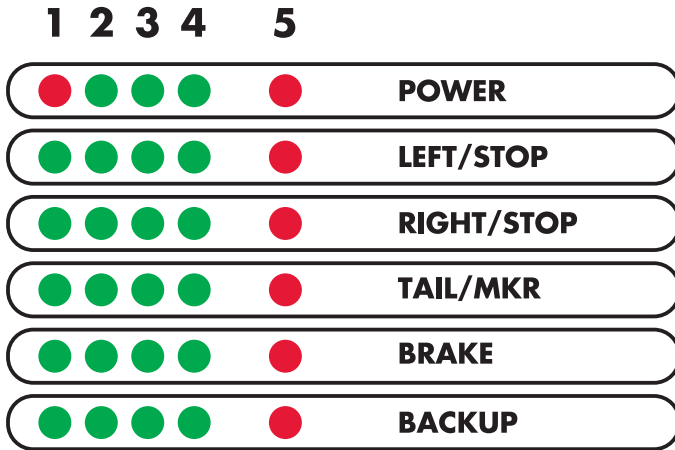


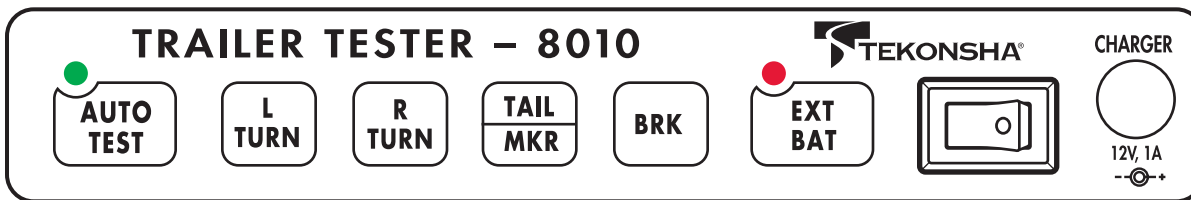
TRAILER TESTER INSTRUCTIONS

The Trailer Tester (Part #8010) is designed to help you quickly identify problems in the wiring of the trailer such as opens, shorts, incorrect wiring, etc. This is done by testing the Left Turn, Right Turn, Tail/Marker, Brake and Back Up circuits on the trailer, by indicating the approximate amount of current used in each circuit. It will also test the voltage of the external battery connected to the trailer charge circuit (i.e. trailer battery).



NOTE

The above LED light reference numbers are used in the following instructions for all rows.



READ THIS FIRST

Read and follow all trailer warnings and installation instructions before continuing.

1. Check to see that the mating surfaces of the trailer wiring connector matches the Trailer Tester connector. All connector surfaces should be clean and free of dirt. For proper operation, make sure the trailer tester battery is fully charged. Plug the trailer connector firmly into the Trailer Tester. Be sure that the connector is fully inserted.
2. Turn the switch on. All LEDs will cycle in order from top to bottom and left to right and will flash once. The tester is ready for use.
3. **INDICATOR “LED” LIGHTS – POWER ROW ONLY (Measuring the internal battery of the tester – LED will remain lit after power has been turned on)**
 - Green LEDs 2, 3 and 4 mean that the internal battery is OK to perform tests.
 - Red LED 1 flashing means that the internal battery needs to be charged (see “Charging the Internal Battery” instructions below) or may need to be replaced.
 - Red LED 5 indicates that the battery is faulty or overcharged. Battery may need to be replaced.

4. CHARGING THE INTERNAL BATTERY

⚠ CAUTION

ONLY USE THE CHARGER (part no. 8008) PROVIDED WITH THE 8010 TESTER

- When the charger is plugged into the charger socket, Red LED 5 on the Power Row flashes if the unit is ON.
- If the unit is OFF, no LEDs will be lit, but the battery will still charge.
- The LED on the charger is RED while charging.
- The LED on the charger will turn GREEN when the battery is fully charged.

NOTE

The trailer tester will not function while the internal battery is being charged.

5. MANUAL AND AUTO TEST – LEFT/STOP, RIGHT/STOP, TAIL, BRAKE, BACKUP CHANNELS

AUTO TESTING (measuring the amount of load on each channel):

- Press the AUTO TEST button. When pressed, its indicator Green LED begins to flash.
- Each channel will be tested from top to bottom.
- Red LED 5 will flash as its channel is tested.
- Green LED(s) will remain ON to indicate the amount of load. (See Step 6 for LED display load readouts)
- See Step 7 for LED fault indication readouts.

MANUAL TESTING (visual test of trailer lighting)

- Depressing any manual button will cause that same channel to flash 11 times. This will allow you to walk around the trailer and confirm that lights are functioning properly.
- The Trailer Tester will automatically shut down after three minutes to conserve the battery.
- See Step 7 for LED fault indication readouts.

NOTE

To **CLEAR THE DISPLAY** or **TURN OFF AUTO TEST**, simply

press the auto test button. Then you are ready to test again.

6. HOW TO READ THE LED DISPLAY (for approximate load readouts)

LEFT/STOP, RIGHT/STOP and BACKUP Load Readouts:

- Green LED 1 represents .25 amps
- Green LED 2 represents 2 amps
- Green LED 3 represents 3 amps
- Green LED 4 represents 4 amps

TAIL Load Readout:

- Green LED 1 represents .25 amps
- Green LED 2 represents 4 amps
- Green LED 3 represents 6 amps
- Green LED 4 represents 8 amps

BRAKE Load Readout:

- Green LED 1 represents 1 axle
- Green LED 2 represents 2 axles
- Green LED 3 represents 3 axles
- Green LED 4 represents 4 axles

NOTE

All current measurements are standard to RV.

7. FAULT INDICATION (See graph below)

- Red LED(s) 5 flashing on the affected channel represents: **INTERCHANNEL SHORT OR REVERSED WIRES**
- Red LED 5 solid on the affected channel represents: **NO LOAD/OPEN CIRCUIT**
- Green LEDs 1-4 and Red LED 5 all solid on the affected channel represents: **OVERLOAD**
- Green LEDs 1-4 and Red LED 5 flashing on the affected channel represents: **SHORT CIRCUIT TO GROUND**

8. EXTERNAL BATTERY (Measures the trailer battery's (if present) open circuit voltage)

- Press the EXT BAT button. When pressed, its indicator Red LED will light.
- Voltage will be displayed by lit LEDs in the Power Row only.
- Green LED's 2 and 3 mean that the external battery has normal voltage.
- Red LED 1 flashing means that the external battery needs to be charged or may need replacement.
- Red LED 5 indicates that the battery is faulty or overcharged. Battery may need replacement.

NOTE

This test will automatically stop after a few seconds and the red light will go out.

NOTE

This test does not indicate the amount of charge left in the trailer battery. (Excludes breakaway battery)

FAULT INDICATION GRAPH

DISPLAY					HOW TO READ THE FAULT ON AN AFFECTED CHANNEL
1	2	3	4	5	
					INTER-CHANNEL SHORT BETWEEN THE FLASHING CHANNELS OR REVERSED WIRES
					NO LOAD OPEN CIRCUIT
					OVERLOAD
					SHORT CIRCUIT TO GROUND
					LOW BATTERY. CHARGE OR REPLACE (POWER ROW ONLY)

LEGEND	
	CONSTANT ON
	RED LED FLASHING
	RED LED OFF
	GREEN LED ON
	GREEN LED FLASHING
	GREEN LED IS OFF