CIRCUIT CHASER

Finds and temporarily repairs short or faulty circuits in the shop or on the road.

The Lamp and Wiring Tester tests both single and dual phase sealed bulbs and the plug or socket that connects the lamp. The A-side is for testing sealed lamps. The B-side is for testing the plug or socket going to the lamp you are testing. Each side has an indicator for Stop & Tail.



TO CHECK LAMPS:

Single or Duel Function

Insert the 3 pins on the A-side of your tester into the base of the sealed lamp. If the red LED's illuminate the bulb is good.

Clearance / Marker

Insert the two pins on the A-side of your tester into the base of the sealed lamp. If one of the LED's illuminate the bulb is good.

TO CHECK WIRING:

Single or Duel Function

Insert the plug assembly into the B-side of the tester. This allows you to test for voltage at the lamp plug or socket. If the red LED's illuminate, voltage is present at the socket and the circuit is good. Note: Circuit being tested must have an active power source.

The tester works on both 12 and 24-volt VDC circuits. Requires a 9-volt battery (included). It is important you have a fresh battery prior to checking lamps.

NOTE:

When checking a double contact lamp or circuit, both LED's must illuminate to indicate a good lamp or circuit. When testing a single contact circuit, tail lamp or marker clearance lamp, only one LED will illuminate.

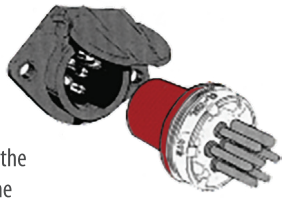


American Transportation Technology Corporation
PO Box 3300 • Ashland, OR 97520
www.attconline.com

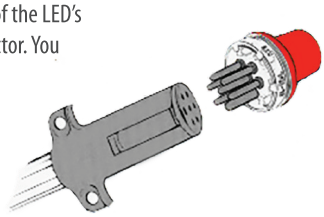
Call: 541-897-0330

The Circuit Chaser® is actually two products in one. First, it allows a driver or mechanic to quickly check the 7-pin connector and cable on a truck or tow vehicle prior to leaving the yard.

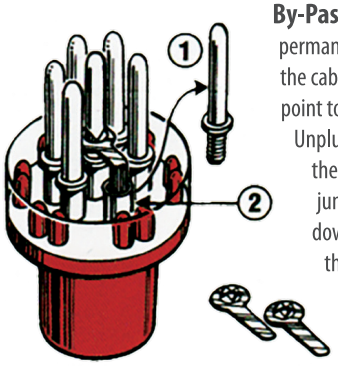
Testing Circuits:



Plug the Circuit Chaser into the end of the cable nearest the trailer. Bring the cable into the cab and run through each circuit of your lighting system. If one or more of the LED's do not come on as its circuit is being checked that circuit is faulty. Note: The second set of LED's work only on negative ground trucks. To determine where the fault is located, unplug the Circuit Chaser and move it to the seven-pin connector on the tractor. Re-check each circuit. If all the LED's light, the problem is in the cable. If one or more of the LED's remains unlit during the test, the problem is in the tractor. You may also use the Circuit Chaser to test your trailer by checking at the seven-pin connector on the rear of the trailer. When using the indicator markings to identify the faulty circuit, the Circuit Chaser must be plugged into the seven-pin connector on the tractor for proper orientation.



Second, when you are on the road and have a problem with your electrical system, it provides a fast and safe temporary repair by allowing you to isolate a fault in the truck, connector or cable, by-pass it, and apply power directly to the required circuit on the trailer, so you can be back on the road in minutes.



By-Pass Feature: To by-pass a short or faulty line until permanent repairs can be made, plug the Circuit Chaser into the cable end nearest the trailer, making sure that the pins point toward the tractor. Identify the faulty circuit. (1) Unplug the unit and unscrew the pin on the line next to the unlit LED, to isolate the fault. (2) Install the flat brass jumper strap over the center pin and bend the tail down into the hole where the pin was removed. Plug the cable and attached Circuit Chaser into the trailer and you can proceed down the road. If all the lights do not come on, follow the above procedure for the other faulty circuits.

The Circuit Chaser may also be used to by-pass a fault in the first trailer, when pulling doubles. In order for the by-pass feature to work: Power must be available on the center pin. Pins must point toward the tractor.

Trouble Shooting: If after you have placed the unit in the line by-passing the faulty circuit and the light on the trailer still does not work, it is either: a burned out bulb or the line on the trailer is severed. The Circuit Chaser will not fix either of these situations. It will not replace the emergency or turn signal flashers.

American Transportation Technology Corporation

Call: 541-897-0330 www.attconline.com