

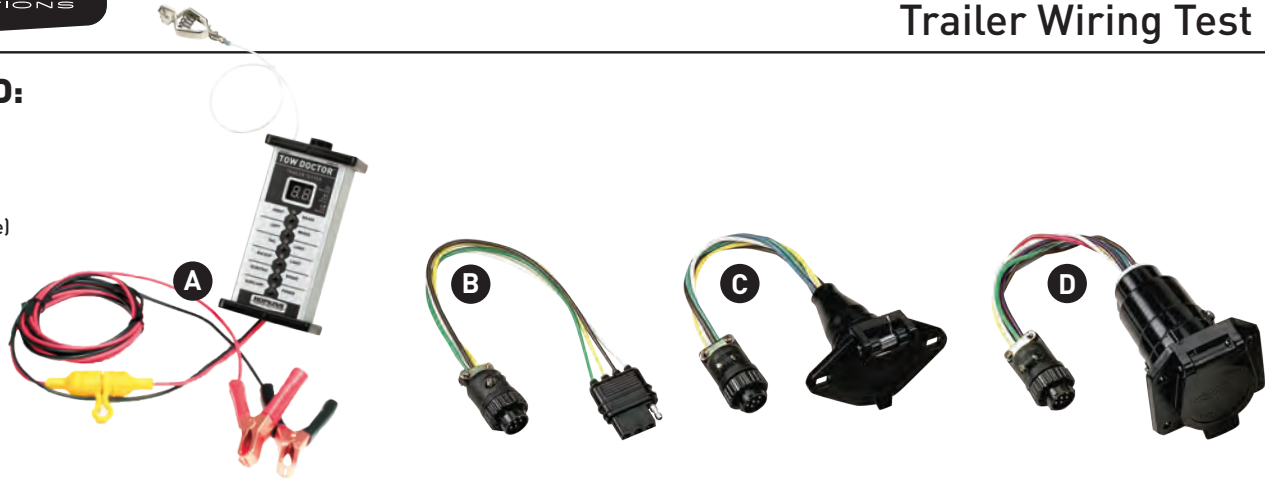


# The Tow Doctor™ #50928

## Trailer Wiring Test Unit

### ITEMS INCLUDED:

- A. Main test unit
- B. 4 Flat adapter
- C. 6 Round adapter  
(Center pin electric brake)
- D. 7 Blade adapter



### HOW THE TRAILER TEST UNIT WORKS:

- Unit will determine correct or miswired connections, burned-out lamps, or trailer shorts to ground.
- An amperage meter is provided (up to 24 AMPs) for determining the correct amperage draw for electric brakes, function wires, etc. or for determining amperage overloads.
- The tester is short-proof protected. If the tester encounters a short or is overloaded, the function being tested will shut down. To reset the tester you must press another function button to recycle its circuits to begin testing again.

### TESTER ELECTRICAL BASICS:

1. Always use a good ground connection from the trailer and tester.
2. This unit is for use on 12 volt NEGATIVE GROUND systems only.
3. Connect trailer to the tester before pressing a test button.
4. When initially plugged-in, the default mode on the digital display is "0".

### OPERATING INSTRUCTIONS:

1. Connect Trailer Tester (A) to battery source (12 VDC 6.2 Ah or greater). The red alligator clip is attached to the positive battery terminal, while the black alligator clip is attached to the negative terminal.
2. Trailer ground must be connected to Trailer tester (for example the trailer wiring ground must be connected to trailer frame). If ball mount ground is used, attach alligator clip from test unit to trailer frame. (Use unpainted surface or remove paint, rust or debris)
3. Choose desired test unit adapter (B,C, or D) and connect to Trailer Tester. Make solid connection to trailer connector.
4. Press one of the six function push buttons that corresponds to the function that you wish to check. A green light appears above the button if the circuit checks "OK" and the current draw is shown on the digital display. The digital read out shows current draw in (1) AMP increments.

### TROUBLE SHOOTING:

- The LED display will show "OL" for overload which would indicate a load greater than 24 AMPs, "SC" for short circuit, & LB for low battery when the battery source drops below 9 volts.
- If the unit does not power on or unexpectedly loses power, please check the in-line fuse located in the power cord, to ensure that it is good.
- If the trailer has LED lights the tow doctor will light them but will not register the AMPs on the display.

Questions? Contact us at: 1-800-835-0129 [www.HopkinsTowingSolutions.com](http://www.HopkinsTowingSolutions.com)