



LITE-CHECK INSPECTOR 920 QUICK REFERENCE GUIDE

Version 1.9.3

Getting Started

- ✓ Tester system should be fully assembled and the work area should be safe for testing and inspecting the vehicle
- ✓ Tester requires 12vdc power, and a 110psi air supply
- ✓ 2 air hoses with glad-hands and a 7-way cable are required to connect the tester to the trailer being inspected
- ✓ Do not have the tester attached to a vehicle that is being welded on

Remote Control Overview

- ✓ Remote controls and testers are keyed to each other
 - ✓ Make sure you have the REMOTE CONTROL for the tester you are using
- ✓ Press & release keys quickly
- ✓ Sending light will light-up when transmitting (replace the 4 AA batteries if the light does not illuminate)
- ✓ The YELLOW buttons should be used when observing the tester's LCD display – “ABS”, “SELECT”, “UP”, and “DOWN”

Electrical Operation Overview - Trailer

- ✓ Normal operation is to test/inspect one circuit at a time
- ✓ Tester's LCD display will show each circuit's voltage, amperage, status, pin number and wire color.
- ✓ The 4 fault types each have a unique audible alarm
 - ✓ Short, Open, Open Ground, Chassis Ground
- ✓ When a Chassis Short is detected, the tester cycles the voltage supplied to the trailer until the fault condition is addressed
- ✓ To light multiple circuits at once, press the “SELECT” key then press the individual circuit keys. Press “SELECT” again to turn off all circuits – *TMC-141*

Air Operation and Brake Inspection Overview - Trailer

- ✓ The “EMER” key provides “emergency air” to the trailer and allows the “service air” to be applied when the “SERVICE” button is pressed
- ✓ The “service air” is regulated to 85-90psi by the tester
- ✓ “AIR LEAK” key will perform an air leak test (observe gauges for any loss)
- ✓ Use the remote control under the trailer at axles to observe brake operation

1) TRAILER INSPECTION / MAINTENANCE:

- ✓ Connect 7-way cable and (2) air lines from tester to trailer
- ✓ Press “EMER” to charge trailer air system
- ✓ With remote control, walk along the trailer, activate light circuits as you approach lamps and observe condition
- ✓ With the “emergency air” applied, press “SERVICE” for air brake application and release.

- ✓ Observe brake application and release by cycling the “service air” on & off with the “SERVICE” key on the remote control
- ✓ With “emergency air” and “service air” on, press “AIR LEAK TEST” and observe air gauges on the tester's panel
 - ✓ The tester's LCD display will display a 60 second counter

TROUBLESHOOT AND REPAIR LIGHTING CIRCUITS

- ✓ Release the “emergency air” by pressing “EMER”
- ✓ Activate the light circuit with the fault. An alarm will sound and the display will show the circuit being tested and the type of fault present
- ✓ Work on circuit until alarm quits (circuit fixed) or changes (new fault)
- ✓ The tester's LCD display will show the circuit status and the current being drawn by the circuit. For “shorts”, the panel lights of the shorted circuits are illuminated to speed problem identification

2) ABS FAULT ID AND TROUBLESHOOTING:

- ✓ Software to communicate with ABS ECU's from WABCO, WABASH, HALDEX & BENDIX manufactured from **2002** on is built into the tester
- ✓ “ONE-BUTTON ABS” – Press the “ABS” key and the tester will determine the ABS manufacturer, display any existing faults, and indicate if the trailer is broadcasting a “cab on” or “cab off” command to the tractor

3) ABS MENU

Press “Select” to activate menu option. Press “up” and “Down” arrows to scroll through menu. Press “ABS” to go back.

- ✓ View Active Faults
- ✓ View Stored Faults
- ✓ Clear faults
- ✓ Mileage
- ✓ ECU voltage
- ✓ MFG/Configuration
- ✓ Serial Number
- ✓ Special Functions.

Note: not all features work with all ECU's.

4) 7-WAY CABLE TEST

- ✓ Press “TRACTOR” key to put tester into the ‘tractor’ mode
- ✓ Insert the 7-way cable plugs into front and side sockets on tester
- ✓ The tester's LCD display will indicate the good and bad circuits, identify crossed wires, and display “PASS” or “FAIL” for the cable

5) ELECTRICAL- TRACTOR:

- ✓ Press “TRACTOR” **then** connect the tester to the tractor
- ✓ Check tractor battery – Activate only the “AUX” circuit without starting the tractor – Tester's LCD display indicates tractor voltage
- ✓ Check tractor charging voltage – Start the tractor and activate only the “AUX” circuit – Tester's LCD display indicates tractor voltage – *TMC-137*
- ✓ Check Tractors light circuits – Cycle the circuits on the tractor from the cab and observe the tester to confirm proper output for each

rev 10/14

*** CONSULT MANUAL FOR DETAILS ***