



AN EXCHANGE OF TECHNICAL INFORMATION

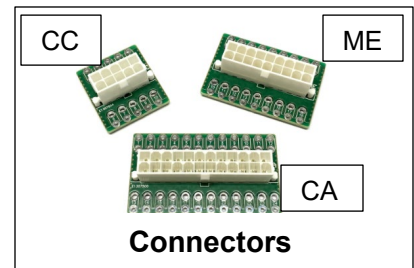
**Number:** TL004 - 2022  
**Subject:** ML5 PrimeLINE Controller Harness Tool

**Released:** March 09, 2022

Carrier Transicold has created an easy-to-use tool to be used when checking the harness inputs going to the controller, reducing the risk of damaging the controller pins when probing the system harness. Taking ohm readings of sensors, contactor coils, solenoids coils can be quickly performed utilizing this tool.

It is recommended that each Technician who works on an ML5 controller unit have a set within their tool kit. Part Number 76-50256-00.

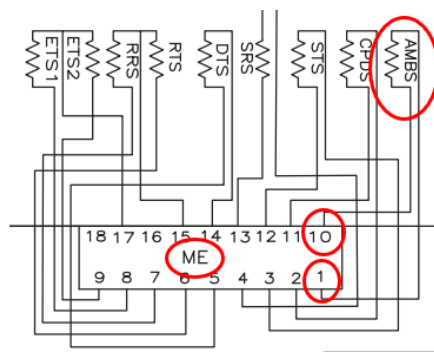
This item is a required ASP (Area Service Provider) tool.



**Operational Instructions:**

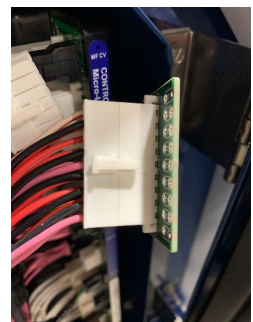
When troubleshooting the system, identify the component suspected to be bad. Typically, this would be highlighted by a system alarm. For example, if the system had an AL257 Ambient Sensor (AMBS) fault, shut off the system and remove power. Locate the bad sensor on the system schematic.

**Step 1:** Identify the Harness Test Tool required.



Reviewing the schematic shows us the Ambient sensor is on the ME connector and can be tested between ME01 and ME10.

Following the Sensor Checkout Procedure in section 7 of the T-372 manual will give you the expected sensor ohms reading.



**Step 2:** Shut off the unit and disconnect power. Follow local lockout \ tagout regulations.

**Step 3:** Install the Harness Test Tool into the system harness.

- Once the pins have been identified, select the correct harness test tool. In this example, the ME connector.
- Disconnect the ME connector from the controller and plug in the ME test tool.

**Step 4:** Take resistance readings.

- Locate the pin numbers on the Harness Test Tool that need to be checked. In this example, ME01 and ME10 for the Ambient Sensor.
- Take resistance value across appropriate pins.
- Refer to the appropriate service manual with the ContainerLINK app for the correct readings.

Check of the sensor is complete.

Repair as necessary or continue troubleshooting.

