

Product Management Bulletin (PMB) #132

E1150 Charging Circuitry Issues

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E1150 Charging Circuitry Issues

Our engineering team has identified some issues with the charging circuitry on E1150 Handheld Reader units, and we are working to resolve them. If your E1150 is not exhibiting any of the issues described below, keep using it as you normally would. If your E1150 is not charging, or not holding its charge, please try the following before requesting an RMA number:

1. Plug in your discharged E1150 to the wall charger supplied by TransCore.

Once the reader boot message is displayed on the Liquid Crystal Display (LCD), the battery charge state symbol is displayed.



Figure 1: E1150 Boot message

- a) If the full battery symbol is displayed shortly after the boot message, the battery has reached its end of life, and the unit must be returned to TransCore for a battery replacement.

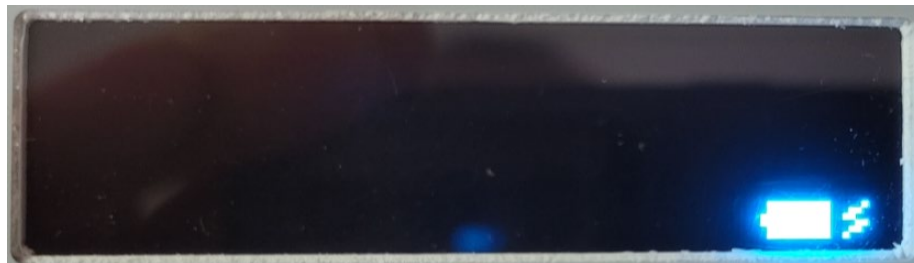


Figure 2: Fully charged battery symbol.

- b) If the discharged battery symbol is displayed on the LCD, leave the E1150 plugged in and check back in 25 minutes. You may need to press the scan button to see the battery charge status. If after 25 minutes the discharged battery symbol has not changed, unplug the reader from the charger and plug it back in. Wait another 25 minutes and check the battery charge status. If the empty battery symbol remains, the unit needs to be repaired.



Figure 3: Discharged battery charging symbol.

- c) The following symbols indicate the battery is charging. Leave the E1150 plugged in until the battery is fully charged. This can take up to 12 hours.



Figure 4: Battery charging at 25%.



Figure 5: Battery charging at 50%.



Figure 6: Battery charging at 75%.

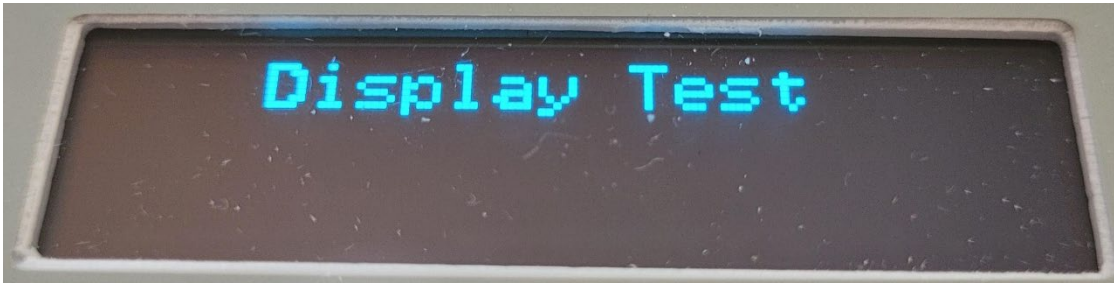
2. If the LCD turns off right after the scan button is pressed and the E1150 is not reading tags:
 - a) Hold the button down for at least 30 seconds, until you see:



Wait for the Voltage Test to PASS:



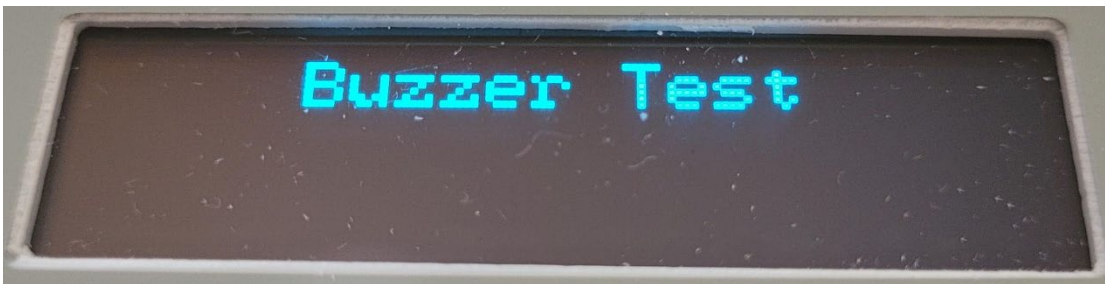
Next, the Display Test will start:



The Display Test will light up every pixel:



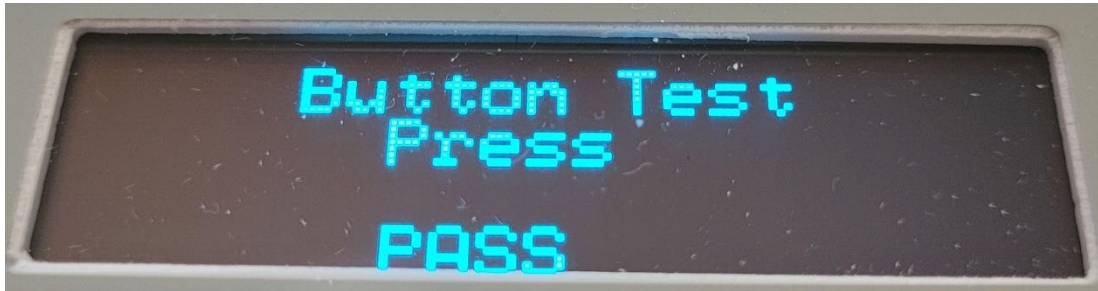
Next, the Buzzer Test will sound a double-beep:



When the Button Test starts, it will ask you to press the button. Be sure to **press the button and hold it down**.



You should see:



(Keep the button held down)

Release the button only after the following prompt:



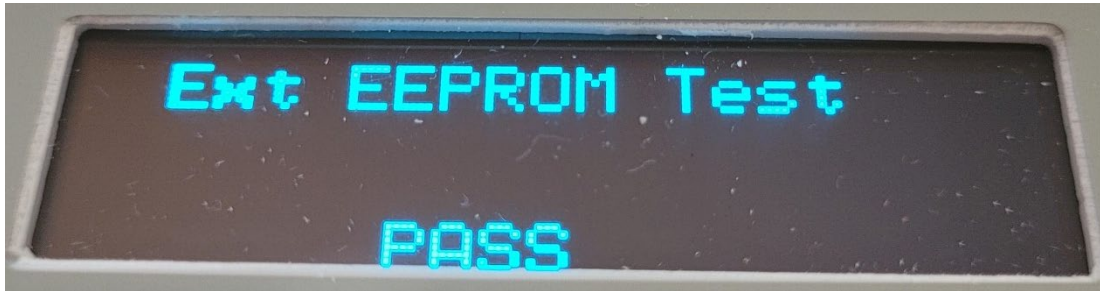
Once released, you will see:



Wait for the Radio Test to PASS:



Wait for the Ext EEPROM test to PASS:



When you see the following prompt, **press the button and hold it down:**



Release the button only after this prompt:



You should exit MFG Test mode and see the boot screen:



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2. Cont.

- b) Plug your E1150 into the wall charger supplied by TransCore.
- c) After the boot message is displayed, press the scan button.
- d) Leave the E1150 plugged in until the battery is fully charged.
- e) Disconnect the E1150 from the charger and attempt to read a few tags.
- f) If the E1150 fails to read tags, request an RMA number.

Part Numbers

This PMB applies to the below part numbers.

Part Number	Description
10-1150-004	E1150 HANDHELD READER FCC
10-1150-005	E1150 HANDHELD READER 870MHZ
10-1150-006	E1150 HANDHELD READER 902-928MHz Non-FCC

Assistance

If you have any additional questions, please contact TransCore at productmanagement@transcore.com.