

**TEST SET, FIELD CABLE
CONDENSED OPERATING INSTRUCTIONS**

1. BATTERY VERIFICATION

- 1.1. Remove external power from the Test Unit and set “Power” to “ON”.
- 1.2. The upper right hand corner of the LCD Display will indicate the state of the internal battery:
 - “BAT OK” – the battery is not in need of charging
 - “BAT LO” – the battery requires charging

2. TEST PROCEDURE FOR CABLE ASSEMBLY CX-4566/G

- 2.1. Connect the Cable Assembly, Branched CX-4566/GTM-3 to the Test Unit.

NOTE 1: The test method outlined below should be used first without connecting the cable(s) to be tested and verifies the suitability of the Test Set and ancillary equipment (Cable Assembly, Branched CX-13362/GTM-3 and Connector Plug, Test MX-10898/GTM-3).

NOTE 2: Unless “Auto-Off” is disabled (under “MENU”), the Test Unit will power off following a successful test run.

- 2.2. Set the “AUTO/MAN” switch to “AUTO” and the rotary switch to “IR”. Using the “UP/DN” toggle switch, select “Self-Test” from the IR LCD Display. Press and release the “START” pushbutton. The test will step through all of the pairs and, upon test completion, indicate either a pass or fail. If the test is not successful and failures are noted, refer to paragraph 3.0.
- 2.3. Place the Test Plug, Connector to the distant end of the cable(s) under test. Set the rotary switch to “CCHK” and, using the “UP/DN” toggle switch, select the length of cable under test. If the test is being performed as a Test Unit verification, select “Self-Test” for a cable with a resistance of less than 100hms. Press and release the “START”

pushbutton. The test will run through all 26 pairs and indicate either a pass or fail indication.

NOTE 3: Passing both 2.3 and 2.4 indicates the cable(s) under test are acceptable for field use.

3. FAULT INDICATIONS

3.1. A cable failure will be indicated by the following:

- 3.1.1. One or more of the “CABLE PAIRS” LEDs illuminates RED continuously
- 3.1.2. The “GO/NO-GO” LED illuminates RED upon test completion
- 3.1.3. The Test Unit LCD notes the pair as a failure

NOTE 4: The Test Unit will not alert the operator to when calibration is required. If measured values are out of tolerance or are questionable, repeat paragraphs 2.2 and 2.3.

4. CHARGING

- 4.1. The Test Unit includes a smart-charger that tops off the battery automatically when an external power source is applied (either AC or DC) and does not require a special setting to begin charging. When the Test Unit is powered on and charging, the LCD will display a flashing *CHG* in the upper right-hand corner. If external power is applied with the power off, the Test Unit will continue to charge the battery but there will be no indication provided. To ensure the battery is fully charged, it may be necessary to connect external power for up to 8 hours.

NOTE 5: The Test Unit will stop charging once the optimum levels are reached. When powered on, the LCD display will change from a flashing *CHG* to BATT OK. If no battery is connected and the Test Unit is powered on, there will be no battery-related display on the LCD.

Card, Quick Reference, TSE-P01-03-013 REV A