

DIMENSION[®] 400, 2000 AND CUSTOM PBX
 ELECTRONIC TELEPHONE CONTROLLER
 PRE-POWER INSPECTION AND POWER APPLICATION

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1. GENERAL

1.1 Description

1.11 This section provides information to perform the pre-power inspection and to test the Electronic Telephone Controller (ETC) power supply (207A).

1.12 This section should be performed prior to any of the section related to DCTS.

2. RECORDS

2.1 Form SD-97-1313 is required for recording the results of this test.

3. TEST EQUIPMENT

<u>Quantity</u>	<u>ITE</u>	<u>Description</u>
1	5632 or 5250 or 5356	Digital Voltmeter (KS-20599 L-4 or equivalent)

4. PROCEDURES

4.1 Preliminary

4.11 Visually inspect the ETC equipment for loose or unconnected wires, bent or broken parts, and loose cable clamps.

4.12 Utilizing the Customer Order Document, verify that the ETC carriers are equipped with the proper circuit packs and that all circuit packs are properly seated in the assigned locations.

4.13 Verify that all ETC fuse panels are equipped with the proper fuses.

4.14 Verify that all necessary KX- cables are connected into the proper KX- connectors.

4.15 Verify that the AC power supply switch is in the OFF position.

4.16 Verify that the grounding is in accordance with Note 104 of SD-1E450-01.

4.17 If the ETC is mounted in a stand alone cabinet, verify that the AC building power source for the 207A power supply is fused for 10A, and also verify with an ITE-5632 Digital Multimeter (KS-20599 L-4 or equivalent) that the building power source is between 106 to 128 VAC.

4.18 Connect the ETC power cord to the AC power source. If the ETC is mounted in a 201 cabinet, the power cord may be plugged into a convenience outlet located within the 201 cabinet.

4.2 Power Application

At the ETC power supply (207A) operate the AC power switch to the ON position.

4.22 With an ITE-5632 Digital Multimeter and using Terminal 11 of TBI as a reference (terminal block located at the rear of the 107A power supply) verify the following voltages.

<u>Supply Voltage</u>	<u>Term. No.</u>	<u>Voltage Range</u>
12V	2	+11.4 to +12.6V DC
+5	5	+5.95 to +5.25V DC
-48V	8	-42.3 to -53.7V DC

PRIVATE

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4.23 Verify that there is no potential difference between pins 11 and 1, and 11 and 7 at TBI.

4.3 Multiple ETC Controllers

4.31 If there is more than one ETC controller provided, repeat steps 4.11 through 4.23 for each ETC controller.

Manager, Denver PBX PECC