

**P1 CARRIER TELEPHONE SYSTEM**  
**ADJUSTMENTS AND MAINTENANCE**  
**PREPARATION FOR CENTRAL OFFICE TERMINAL**

**1.00 PREPARATION FOR ALL ADJUSTMENTS AND TESTS**

- 1.01** All test points marked with a yellow dot are ground points.
- 1.02** Check that all network boards are pushed as far back as they will go in the connector.
- 1.03** Ground the test set with 1W13B cord, or equivalent.
- 1.04** Operate BAT switch to ON position.
- 1.05** Turn BATTERY TEST switch to positions A1, A2, A3, A4, and B1, and observe that DECIBEL meter needle is to the right of the BAT mark for each position.
- 1.06** Turn BATTERY TEST switch to B2 position.
- 1.07** Turn ADJ B2 potentiometer until DECIBEL meter needle lines up with BAT mark. This adjustment should be made with the receive cord removed from test set and with the DET SENS-db switch to the +10 position.

**Note:** Recheck these requirements at periodic intervals during time the test set is turned on. If requirements in 1.04 and 1.06 cannot be met, replace test set batteries and repeat 1.04, 1.05, and 1.06.

- 1.08** Return BATTERY TEST switch to NORM position.
- 1.09** Turn NOISE FLT switch to OUT position.
- 1.10** On KS-14510 meter, turn selector to DC VOLTS, 60 position.

- 1.11** With KS-14510 meter, read voltage across screw terminals 14 and 15 on board A, positive lead to 14.

**Requirement:** 21.5 to 23.5 volts dc. For bench adjustments, voltages up to 25 volts may be tolerated.

If requirement cannot be met, refer to T-95231-30 to correct.

- 1.12** Move positive lead to screw terminal 30 on board A.

**Requirement:** 5.1 to 6.9 volts dc

If requirement cannot be met, replace board J and repeat test.

- 1.13** If terminal is connected to central office line circuit, insert a 258C plug (dummy plug) into DERIVED jack on equipment frame. If frame is not equipped with jacks, remove board A and open tip and ring toward central office line circuit at screw terminals 11 and 26. (This preparation is not required for Adjustment A.)

**2.00 ADDITIONAL PREPARATIONS FOR ADJUSTMENTS A, B, D, E, F, AND TEST G**

- 2.01** Remove board A and disconnect strap between screw terminals 9 and 24.

- 2.02** On board A remove input pad, if present, from screw terminals 31, 32, and 33; and strap screw terminals 31 and 33 together (0-db pad value).

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**2.03** On board A remove output pad, if present, from screw terminals 34, 35, and 36; and strap screw terminals 34 and 36 together (0-db pad value).

**2.04** If the central office terminal is equipped with an 800T network as board D, disregard 2.05 through 2.07. If the central office terminal is equipped with an 800BA network as board D and a supervisory filter as board H, proceed as in 2.05.

**2.05** Remove the supervisory filter (board H).

**2.06** Remove board D and place a strap between the screw terminals on the rear of the 800BA network.

**2.07** Reinsert board D.

**2.08** Reinsert board A.

**2.09** Clip 600-ohm resistor across VF test points on board A.