

P1 CARRIER TELEPHONE SYSTEM
ADJUSTMENTS AND MAINTENANCE
PREPARATION FOR REMOTE TERMINAL

1.00 PREPARATION FOR ALL ADJUSTMENTS
AND TESTS

1.01 All test points marked with a yellow dot are ground points. Binding post numbers shown in parentheses are located on the 386A apparatus case terminal block.

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 1.05 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.



Caution: Care should be exercised when using test probes in the vicinity of binding posts 1, 3, and 4 of the 386A apparatus case terminal block (or screw terminals 10, 15, and 30 of board A) because grounding of these binding posts will cause damage to the power supply circuits.

1.11 With KS-14510 meter, read voltage across screw terminals 10 and 25 (1 and 12) on board A, positive lead to 25(12).

Requirement: 22 to 23 volts dc. See note in 1.13.

1.12 With KS-14510 meter, read voltage across screw terminals 14 and 15 (2 and 4) on board A, positive lead to 14(2).

Requirement: 22 to 23 volts dc. See note in 1.13.

1.13 Move positive lead to screw terminal 30(3) on board A.

Requirement: 5.1 to 6.9 volts dc

Note: If these requirements cannot be met, refer to the section covering J86463-type power plants. If at a bench location, check voltage network (see Fig. 5 in Section 363-101-100).

1.14 If adjustments are being made at remote terminal locations, remove strap between binding posts 13 and 14 of 386A apparatus case terminal block and disconnect voice-frequency line from binding posts 7 and 8 on same block.



Caution: Take care to avoid even momentary contact with binding post (3) to prevent damage to the power supply.

SECTION 363-101-504

**2.00 ADDITIONAL PREPARATIONS FOR
ADJUSTMENTS B, C, E, F, AND TEST H.**

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

2.02 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).

2.03 If the voltage network shown in Fig. 5 of Section 363-101-100 is being used to supply

power to the terminal, strap screw terminals 10 to 15 and 14 to 25 on board A.

2.04 Reinsert board A.

2.05 Clip 600-ohm resistor across VF test points on board A (binding posts 7 and 8 on 386A apparatus case terminal block).

Note: Check that the *S* relay (right-hand wire spring relay) operates at this time. If it does not, replace relay *A* (291C type) on board *J*. If *S* relay still does not operate, replace board *J*.