

TESTS AND INSPECTIONS AT TIME OF INSTALLATION FOR SECRETARIAL ANSWERING SERVICE 557B PBX

1. GENERAL

1.01 This section covers the tests and inspections required at the time of installation of the 557B PBX, when used for secretarial answering service.

1.02 This section is reissued to include tests to prevent unauthorized rotary or TOUCH-TONE® dialing on secretarial lines.

1.03 Performance of the tests in this section will require action and verification at the central office, switchboard, and cord-ended administrative stations.

2. APPARATUS

2.01 The apparatus required for performing the tests in 4.03 of this section is listed in Section 473-602-501.

3. INSPECTION

INSPECTION OF CROSS-CONNECTING APPARATUS

3.01 The cross connections should be neatly dressed and all connections properly terminated.

3.02 The terminal lugs and terminal strips should be free from wire clippings and loose bits of solder. The conductors should be carried through the proper fanning holes.

3.03 Cross connections should be run for the central office trunks.

3.04 The fuse alarm and other optional alarms should be checked for proper cross connections.

3.05 When the 557B PBX is used with concentrator-identifier equipment, lines 01 through 100 (00-99) should be cabled to the frame for cross connection to the answering jack and lamp terminals.

Note: Direct cabling is not recommended for connecting the switchboard jack and lamp terminals to the identifier equipment. If direct cabling is used, it will be necessary to change the jack and lamp assignment when repairing a terminal in trouble, and to limit the assignment of rotary numbers, ringing codes, etc.

3.06 The cables should be run and fastened in accordance with standard PBX installation practices.

3.07 Ringing and power leads should be checked for proper cross connections.

3.08 Wires to cord-ended administrative stations should be neatly dressed and properly cross connected.

INSPECTION OF PBX

3.09 The PBX should stand level, and each section should be fastened to the floor.

3.10 The interior of the PBX should be clean and free from foreign material and wire clippings. The exterior of the PBX should be without scratches and other defects.

3.11 All bolts used for fastening sections together should be tight.

3.12 Plugs and connectors of the cord units, secretarial line units, dial unit, and common equipment unit should be secure and in the sockets.

3.13 All relay covers should be in place.

3.14 The circuit label should be secured to the inside of the rear panel of each section. The P number of the circuit label should match that stamped on the framework of the PBX.

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- 3.15** The cable hole or holes in the end panel or panels not used for entering cable should be covered with a fiber plate.
- 3.16** The rear panel should be in place and properly fitted. The front panel underneath the writing shelf should be in place and properly fitted.
- 3.17** The proper fuses should be in place in each of the working circuits.
- 3.18** The lamp caps and designation cards should be in place and of the proper color.
- 3.19** The cords should be free-running during the complete operation of withdrawal and retraction.
- 3.20** The intercept and dial cord units of any single or grouped switchboards should be equipped with the same type key unit.
- 3.21** The designation strip windows and face strips should be of clear plastic and should not be marred or discolored.
- 3.22** The faces of jack and lamp socket mountings should not be dented, chipped, or scratched.
- 3.23** There should be approximately 1/64-inch clearance between the 8-type buzzer knob and the front of the panel when the knob is turned from the extreme clockwise position to the extreme counterclockwise position.
- 3.24** The buzzer knob of the 8-type buzzers should be securely fastened to the buzzer shaft.

4. TESTS

RELAY TESTS

- 4.01** No mechanical or electrical tests are required to be made on the relays in the PBX at the time of installation if no operating failures

occur during the circuit operation tests of Section 473-602-501. If it is necessary to test or readjust any relays, the requirements for the particular relays involved should be met.

BUZZER

- 4.02** Check that the sound output of the buzzer reduces gradually from maximum to complete cutoff when the adjusting knob is turned from the extreme clockwise position to the extreme counterclockwise position:

CIRCUIT OPERATION TESTS

- 4.03** The following tests shall be made in accordance with Section 473-602-501.
- A. Attendant Telephone and Dial Circuits*
 - B. Cord Circuits*
 - C. Jack Test—Secretarial Line Circuit Arranged for Secrecy*
 - D. Jack Test—Secretarial Line Arranged for Nonsecrecy, Central Office Trunk, Transfer, Conference, and Concentrator-Identifier*
 - E. Conference Circuit*
 - F. Line Circuits*
 - G. Central Office Trunk*
 - H. ♦Secretarial Lines—Dialing Restrictions—Rotary Dials*
 - I. Secretarial Lines—Dialing Restrictions—TOUCH-TONE Dials♦*
 - J. Fuse Alarm—Ringing and Battery Supply*
 - K. Battery Cutoff—Auxiliary Signal and Position Grouping Circuits.*