



**INSTALLATION TESTS AND INSPECTIONS
558A PBX**

1. GENERAL

1.001 This addendum supplements Section 536-580-510 Issue 1. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to add changes in Part 4 of this section.

4. OPERATION TESTS

The following changes apply to Part 4 of this section

(a) Test A Step 1—revised

(b) Test A Step 47—revised

Attached:

- Page 3 dated March 1971—revised**
- Page 4 dated March 1971—reissued**
- Page 7 dated March 1971—reissued**
- Page 8 dated March 1971—revised**

INSPECTION OF CABLES

3.26 Cables should be fastened securely when run exposed. Cables should be properly protected with two layers of friction tape when they pass around such obstacles as gas pipes, electric conduit, metal work, and foreign telephone, telegraph and signal conductors if the minimum required separation cannot be otherwise obtained.

3.27 Drape the cable to slide 1 without interfering with the slide movement or without striking the adjacent slide mounted equipment.

INSPECTION OF CONNECTING BLOCKS AND OPTIONAL EXTERNAL TERMINAL BOX

3.28 Connecting blocks should be firmly mounted and properly stenciled.

3.29 The connecting block area should be clean and free from spare wire, solder splashes, and wire clippings.

3.30 Run the cables and cross-connecting wires in the connecting block area of slide 1 to provide a neat appearance and proper termination methods in accordance with approved practices.

STEP**ACTION****VERIFICATION****A. Link****STATION -TO-TRUNK**

1	◆Plugin ac power cord— Turn on main ac line and rectifier switches— At station 10— Lift receiver.◆	At console— STA-10 lamp flashes 60 ipm. Link 0 seized. No other call in process. Link 0 seized. No other call in process.
2	At console— Operate STA-10 key.	At console— STA-10 lamp lights steadily. Audible tone silenced. 2-Way conversation satisfactory.
3	Station requests central office call.	
4	At console— Operate TRK-0 key.	At console— TRK-0 lamp lights steadily. ATND DIAL lamp lights steadily. CO dial tone heard by attendant. Station 10 excluded from connection.

3.31 The external terminal box, if provided, should be properly placed and firmly mounted.

4. OPERATION TESTS

4.01 To perform these tests, connect the attendant console to the test connectors attached to the lead edge of slide 1. Most operation tests will be performed using the console to originate or terminate stations or trunks. Audible and visual signals associated with the console will be observed.

4.02 Perform call through tests consisting of station-to-attendant and attendant-to-station calls to and from each station, per Test B.

4.03 To test an original installation, assume that the PBX is idle. First choice on an incoming trunk call would be TRK-0. First choice of links would be link 0. All the stations are idle. Use stations designated or those available.

4.04 Assuming that the stations have not been completely installed, the installation and operation tests may still be completed. Using a hand test set (1011G or equivalent), connect the test set to the station T and R leads under test. Location of these leads are in slide 1 on blocks D and E of the 66-type connecting blocks. Connections are specified in Table D in Section 536-580-210.

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STEP	ACTION	VERIFICATION
ATTENDANT DIALS		
5	At console— Dial the central office party desired .	At the called CO party— Audible signal sounds. At console— Audible ringing tone heard.
6	At the called CO party— Answer call.	At the called CO party — Audible signal silenced. At console— Audible ringing tone silenced. 2-Way conversation between CO party and attendant satisfactory.
7	At console— Operate ATND DIAL key.	ATND DIAL lamp extinguished. Station 10 reenters connection. 3-Way conversation satisfactory.
8	At console— Operate TRK RLS key.	TRK-0 lamp extinguished. CO party released. 2-Way conversation satisfactory.
9	At console— Operate TRK-0 key.	TRK-0 lamp lights steadily. ATND DIAL lamp lights steadily. CO dial tone heard by attendant. Station 10 excluded from connection.

STATION DIALS

10	At console— Operate POS RLS key.	ATND DIAL lamp extinguished. Attendant released from connection. At station 10— CO dial tone heard.
11	At station 10— Dial the CO party desired.	Audible ringing tone heard. At the called CO party— Audible signal sounds.
12	At the called CO party— Answer call.	At station 10— Audible ringing tone silenced. At the called CO party— Audible signal silenced. 2-Way conversation satisfactory.

STATION ORIGINATES A SECOND CALL-OPTION Y

13	Station requests CO party to disconnect.	
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STEP	ACTION	VERIFICATION
		At station 25— Station ringer silenced. 3-Way conversation satisfactory.
34	At console— Operate POS RLS key.	Attendant released from connection. 2-Way conversation (CO party and station 25).
35	At the called CO party— Disconnect from call.	
36	At station 25— Hang up receiver.	At console— TRK-0 lamp extinguished. STA-25 lamp extinguished
STATION-TO-STATION CALL		
37	At station 10— Lift receiver.	At console— STA-10 lamp flashes 60 ipm. Audible 60 ipm signal sounds.
38	At console— Operate STA-10 key.	STA-10 lamp lights steadily. Audible signal silenced. 2-Way conversation satisfactory.
39	Station requests call to station 25.	
40	At console— Operate STA -25 key.	STA-25 lamp lights steadily. Audible ringing tone heard by station 10 and attendant. At station 25— Station ringer sounds.
41	At station 25— Lift receiver.	At console— Audible ringing tone silenced. At station 25— Station ringer silenced. 3-Way conversation satisfactory.
42	At console— Operate POS RLS key.	Attendant released from connection. 2-Way conversation (station 10 and 25) satisfactory.
43	At station 25— Hang up receiver.	

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STEP	ACTION	VERIFICATION
44	At station 10— Hang up receiver.	At console— STA-10 lamp extinguished. STA-25 lamp extinguished.
45	At link 0 equipment (slide 2)— Place 349A (make-busy) plug in MB jack.	At link 0 equipment— Link 0 is now made busy.
46	Repeat Steps 1 through 45 substituting the next link to be tested for link 0 until all links (0-9) are tested.	
47	▶When all link tests are completed, and if Test B is not to be performed, remove the 349A make-busy plugs from each link MB jack.◀	
B. All Paths Busy		
1	Insert 349A make-busy plugs into the MB jacks of links 0 through 8.	
2	At station 10— Lift receiver.	At console— STA-10 lamp flashes 60 ipm. Audible 60 ipm signal sounds.
3	At console— Operate STA-10 key.	At console— STA-10 lamp lights steadily. Audible signal silenced. 2-Way conversation satisfactory.
4	Station 10 request service to station 25.	
5	At console— Operate STA-25 key.	At console— All PATHS BUSY lamp lights steadily. STA-25 lamp lights steadily. Audible ringing tone heard by station 10 and attendant. At station 25— Station ringer sounds.
6	At station 25— Lift receiver.	At console— Audible ringing tone silenced. At station 25— Station ringer silenced. 3-Way conversation satisfactory.
7	At console— Operate POS RLS key.	At console— 2-Way conversation (station 10 and 25 satisfactory).