

MATRIX CONNECTING BLOCK - 1A1-1A2
IDENTIFICATION, INSTALLATION, AND WIRING

1. GENERAL

- 1.01 This appendix supplements Section 461-620-100.
- 1.02 It is issued to add information about a 6 by 13 Selectro Matrix mounted on and wired to a modified 66B3-50 connecting block.
- 1.03 This matrix connecting block (P-162) is used to provide various combinations of common or group bells for new and existing key telephone systems. This matrix controls 6 ringers (less capacitors) from 13 separate key system line circuit units.

2. INSTALLATION

- 2.01 Order material as follows:
- Block, Connecting, Matrix, P-162
 - Plug, Diode - DE 69110 List 4
 - Pin, Shorting - DE 69110 List 5
- 2.02 The Western Electric Co. will assemble as follows:
- (1) Cut the 66B3-50 Connecting block in half lengthwise.
 - (2) Remove Terminals 14-16 from the 66B3-50 Connecting Block.

- (3) Remove the four mounting posts from the Selectro Matrix.
- (4) Solder Lines 13-1 of the Selectro Matrix to Terminals 1-13, Clips 3, of the 66B3-50 Connecting block.
- (5) Using 24-gauge surface wire place straps as follows:

<u>RED</u>	<u>BLACK</u>
<u>MATRIX COM-BL-LEADS</u>	<u>CONN BLOCK CONN BLOCK ONLY</u>
1 _____ 18	17 _____
2 _____ 20	19 _____
3 _____ 22	21 _____
4 _____ 24	23 _____
5 _____ 26	25 _____
6 _____ 28	27 _____

- 2.03 The principles of the 1A1 Matrix outlined in this section can be applied for the Selectro Matrix.
- 2.04 The P-162 Matrix removes the need for soldering as all connections are punched on the 66B3-50 block. Proper audible signal control requires the use of a plug diode per line, per ringer. Where only one ringer is to be connected to one line, a shorting pin can be substituted for a plug diode at the proper crosspoint. This matrix is compatible with 1A1 or 1A2 systems.