

OFFICE JUNCTOR REDISTRIBUTION
14 DL - 14 OL TO 18 DL - 18 OL FRS, 14-14 TO 18-18 PATTERN
PROCEDURE NO. 31

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1. GENERAL
 - 1.1 This procedure covers the transition of the office junctor redistribution.
From
ED-25012-013, Fig. 3, 14 DL and 14 OL frames, having STD 14-14 pattern, with 14 junctors from each frame.
To
ED-25012-015, Fig. 5, 18 DL and 18 OL frames, having STD 18-18 pattern, with 11 junctors from each frame.
 2. STEP NO. 1 MARKER PATTERN
 - 2.1 Modify the originating markers, one at a time, (drawing SD-25016-01) from Note 180, for "12 frames (new offices) or 14 frames (after an addition)" to agree with Note 180, for "14 frames (new offices) or 16 and 18 frames (all offices)".
 - 2.2 See Section 30, Paragraph 6, for information concerning types of patterns.
 - 2.3 Test the markers to determine that they will function with the present link frames and return them to service.
 - 2.4 The test of the markers to determine whether they will function with the added link frames will be made in a later operation.
 3. STEP NO. 2 MAKE BUSY PATTERN
 - 3.1 Insert make busy plugs at the district link frame verticals for the following junctors as shown on drawing ES-857021: (1) all junctors having either or both ends enclosed in a heavy rectangle or square; (2) all junctors marked with a circle.
 - 3.2 If drawing ES-857021 is not available, the following procedure may be used to determine the location of the junctors referred to in Paragraph 3.1.
 - 3.21 Insert make busy plugs at the district link frame vertical for all junctors having either or both ends enclosed in a heavy rectangle on drawing ED-25012-013, Figure 3.
 - 3.22 In the same manner, make busy additional junctors that are designated as 9-9 on ED-25012-013, Figure 3 and which are replaced by a shaded symbol on ED-25012-015, Figure 5.
 - 3.3 There are 292 verticals to be made busy.
 - 3.4 When inserting the make busy plugs, care should be taken so as to avoid making busy a vertical that is being used by traffic.
 - 3.5 After a make busy plug is inserted, check all crosspoints on this vertical and if any are found closed, remove the make busy plug until the crosspoints have been released.
 - 3.6 After the completion of operations covered by Paragraphs 3.1 to 3.5 connect temporary ground to all JC punchings associated with junctors whose DISTRICT LINK ends are enclosed in a heavy rectangle or square as shown on drawing ES-857021.
 - 3.61 The alternative method of locating these junctors in cases where the ES drawing is not available is as follows:
 - 3.611 *Locate the junctors shown on ED-25012-013, Figure 3 whose district link ends are enclosed in a heavy rectangle.*

- 3.612 Compare drawing ED-25012-015, Figure 5, and it will be noted that half of these junctors are replaced by a shaded symbol.
- 3.613 The junctors that are not replaced by the shaded symbol are the ones to be made busy by connecting temporary ground to the associated JC punchings.
- 3.7 They are associated with JC relays 10 to 13.
- 3.8 There is a total of 56 junctors.
- 3.9 For additional information see Section 32, Paragraph 7.
- 4. STEP NO. 3 DISTRICT LINK FRAME CROSS-CONNECTIONS
- 4.1 Change the SHX and JC cross-connections as specified in Table 1.

TABLE 1
SHX AND JC CROSS-CONNECTIONS

DIST. LK. FR. NO.	PER T 25031	
	FROM-20 FIGS.	TO-22 FIGS.
0	1,6,8	1,6,8
1	1,7,8	1,7,8
2	2,6,8	2,6,8
3	2,7,8	2,7,8
4	3,6,8	3,6,8
5	3,7,8	3,7,8
6	4,6,8	4,6,8
7	4,7,8	4,7,8
8	5,6,8	5,6,8
9	5,7,8	5,7,8
		-23 -22
10	1,6,8	1 6,8
11	1,7,8	1 7,8
12	2,6,8	2 6,8
13	2,7,8	2 7,8
14	NEW	3 6,8
15	"	3 7,8
16	"	4 6,8
17	"	4 7,8

- 4.11 It is important that the "G" punchings be cross-connected before the other changes are made.
- 5. STEP NO. 4 GROUPING FRAME
- 5.1 Disconnect and remove all cross-connections associated with the junctors that have either one end or both ends

Lines Presented in Script Indicate
New or Changed Information

Reason for Reissue:
Changes in Paragraphs 1.1, 3.21, 3.22, 3.611,
3.612, 5.2, 5.21, 5.22 and 5.23.

- enclosed in a heavy rectangle or square and also those junctors that are marked with a diamond or a circle, as shown on drawing ES-857021.
- 5.2 If drawing ES-857021 is not available, the junctors to be removed are shown in ED-25012-013, and 015 in the following manner.
- 5.21 All junctors shown on ED-25012-013 with either or both ends enclosed in a heavy rectangle or square.
- 5.22 All junctors shown on ED-25012-013 designated with a diamond.
- 5.23 9-9 junctors shown on ED-25012-013 that are replaced by a shaded symbol on ED-25012-015.
- 5.3 There are 684 junctors to be disconnected. One end of most of these junctors will be found on the terminal strips required for the new district link and office link frame cables.
- 5.4 Connect all remaining district link and office link frame cable conductors at the OJG frame.
- 5.5 Connect all remaining cross-connection ends at the OJG frame.
- 6. STEP NO. 5 TIP AND RING TEST
- 6.1 Make a tip and ring continuity test of the cables and cross-connections of all newly established junctors.
- 7. STEP NO. 6 JUNCTOR SLEEVE TEST
- 7.1 Test one marker, so as to determine that it will function with the new pattern and then use it to make the junctor sleeve test in the following operation.
- 7.2 Make a junctor sleeve test of the sleeve conductors (as outlined in Section 32, Paragraph 5) for all newly established junctors, removing the make busy plugs and temporary ground straps, as required, and return the marker to service.
- 8. STEP NO. 7 FINAL MARKER TEST
- 8.1 Test the remaining markers, one at a time, so as to determine that they will function with the new pattern, and restore them to service.

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