

OFFICE JUNCTOR REDISTRIBUTION

Replaces: Section 50
Dated: 10-7-54

10 DL - 10 OL TO 12 DL - 12 OL FRS, 12-12 TO 14-14 PATTERN, OR
10 DL - 10 OL TO 14 DL - 14 OL FRS, 12-12 TO 14-14 PATTERN, OR
12 DL - 12 OL TO 14 DL - 14 OL FRS, 12-12 TO 14-14 PATTERN

PROCEDURE NO. 28

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| 1. <u>GENERAL</u> | 2. <u>STEP NO. 1 MARKER PATTERN</u> |
| 1.1 This procedure covers the transition of the office junctor redistribution | 2.1 Modify the originating markers, one at a time, (drawing SD-25016-01) from Note 180 for "10 frames (new offices) or 12 frames (after an addition)" to agree with Note 180 for "12 frames (new offices) or 14 frames (after an addition)". |
| <u>From</u> | 2.2 See Section 30, Paragraph 6 for information concerning types of patterns. |
| ED-25012-012 Fig. 2, 10 DL and 10 OL frames, having STD 12-12 pattern with 16 junctors from each frame or 12 DL and 12 OL frames, having STD 12-12 pattern with 16 junctors from each frame. | 2.3 Test the markers to determine that they will function with the present link frames and return them to service. |
| <u>TO</u> | 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. |
| ED-25012-013 Fig. 3, 12 DL and 12 OL frames having STD 14-14 pattern with 14 junctors from each frame or 14 DL and 14 OL frames having STD 14-14 pattern with 14 junctors from each frame. | 3. <u>STEP NO. 2 MAKE BUSY PATTERN</u> |
| <u>NOTE:</u> This procedure has been prepared for the transition from the highest numbered frame and pattern for the present figure to the highest numbered frame and pattern for the proposed figure. | 3.1 Insert make busy plugs at the district link frame verticals for all junctors having either or both ends enclosed in a heavy rectangle or square, as shown on drawing ED-25012-012, Fig. 2. |
| Several other frame combinations may be had when using the present and proposed drawing figures. | 3.11 There are 176 verticals to be made busy. |
| Other combinations would use the same general procedure but the quantity of work would vary. | 3.2 When inserting the make busy plugs, care should be taken so as to avoid making busy a vertical that is being used by traffic. |

TABLE 1
SHX AND JC CROSS CONNECTIONS

Dist. Lk. Fr. No.	Per T-25031	
	From-18 Figs.	To-19 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
10	1,6,8	1,6,8
11	1,7,8	1,7,8
12	NEW	1,6,8
13	"	2,7,8

- 3.3 After a make busy plug is inserted, check all cross-points on this vertical and if any are found closed, remove the make busy plug until the cross-points have been released.
- 3.31 If a vertical, that has a cross-point in service is made busy, it may cause the marker to "time out" and furnish an XSL indication.
- 3.4 After the completion of operations covered by Paragraph 3.1 to 3.31 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 ED-25012-012, Fig. 2.
- 3.41 They are associated with JC relays 10 and 11.
- 3.42 There is a total of 96 junctors.
- 3.5 For additional information see Section 32, Paragraph 7.

Lines presented in Script indicate new or changed information.

Reason for Reissue:
Changes in Paragraphs 1.1, 3.1, 3.4 and 5.1.

- 4. STEP NO. 3 DISTRICT LINK FRAME CROSS CONNECTIONS
- 4.1 Change the SHX and JC cross connections as specified in Table 1.
- 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 enclosed in a heavy rectangle or square and also those junctors that are marked with a diamond as shown on drawing ED-25012-012, Fig. 2.
- 5.2 There are 464 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.
- 5.3 Connect all remaining district link and office link frame cable conductors at the OJG frame.
- 5.4 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 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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