Installation Engineering Handbook 40
Western Electric Company, Incorporated
Columbus Works

Section 40
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OFFICE JUNCTOR REDISTRIBUTION

4 DL - 4 OL TO 8 DL - 8 OL FRS, 4-4 TO 10-10 PATTERN

PROCEDURE NO. 18

CONTENTS

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1. GENERAL

1.1 This procedure covers the transition of the office junctor redistribution

From

ED-25016-014, Fig. 6, 4 DL and 4 OL frames, having STD 4-4 pattern, with 40 junctors from each frame.

To

ED-25012-011, Fig. 1, 8 DL and 8 OL frames, having STD 10-10 pattern, with 20 junctors from each frame.

2. STEP NO. 1 MARKER BLOCKING

2.1 Perform the following work on each marker, one at a time in order to block the marker to select only the first subgroup of junctors.

1 - Make marker busy.

2 - Block relay CBA3 operated.

3 - Block relays CBB1 and CBB4 non-operated.

4 - Verify that all CB relays are normal except CBA3.

5 - Remove strap between terminals CB10 and CB11.

6 - Add strap between CB11 and CB12.

7 - Test, remove the busy condition and return marker to service.

3. STEP NO. 2 DISTRICT LINK AND GROUPING FRAME CROSS CONNECTIONS

3.1 Change the cross-connections between the JC relay windings and the JC leads on District Link Frame 2 per T-25031-18 from Fig. 9 to Fig. 5, and on District Link frame 3 from Fig. 10 to Fig. 6.

3.2 Disconnect and remove all cross-connections associated with the junctors shown in the second subgroup of drawing ED-25016-014, Fig. 6. There are 320 junctors to be disconnected. One end of some of these junctors will be found on the terminal strips required for the new district link and office link frame cables.

3.3 Connect all remaining district link and office link frame cable conductors, at the OJG frame.

4. STEP NO. 3 MARKER PATTERN

4.1 Modify the originating markers, one at a time, (drawing SD-25016-01) from Note 180, for "4 frames (after an addition)" to agree with Note 180, for "8 frames (new offices) or 10 frames (after an addition)".

4.2 See Section 30, Paragraph 6, for information concerning type of patterns.

4.3 Test the markers to determine that they will function with the present link frames and return them to service.

4.4 The test of the markers to determine whether they will function with the added link frames will be made in a later operation.

5. STEP NO. 4 TIP AND RING TEST

5.1 Make a tip and ring continuity test of the cables and cross-connections of all newly established junctors.

6. STEP NO. 5 JUNCTOR SLEEVE TEST

6.1 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.

Lines presented in Script indicate new or changed information.

6.2 Make a junctor sleeve test of the sleeve conductors (as outlined in Section 32, Paragraph 5) for all the newly established junctors and restore the marker to service.

7. STEP NO. 6 FINAL MARKER TEST

7.1 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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Reason for Reissue:
Change in Paragraph 1.1