

NO. 3 ESS  
15A, 15B AND 15C GRID  
CHANGING PROCEDURE  
(SD-3H120,121,130)

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| 1. <u>GENERAL INFORMATION</u> | 2. <u>RECORDS AND REQUIREMENTS</u> |
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1.1 Description

1.1.1 This procedure provides an efficient way of effectively changing a 15A, 15B and 15C grid in a No. 3 ESS office.

1.2 In this section, there are three tables, A, B, and C. Each table gives a detailed description of the removal and replacement of the associated grid.

2.1 Records: The results of the tests of this section shall be recorded on forms SD-97-1313 and SD-97-1315. For detailed information on filling out test records, see Section 6B, Handbook 3.

2.2 Requirements: The tests in this section are based on the No. 3 ESS Performance Requirements BSP 820-650-180.

## TABLE A

## 15A GRID REMOVAL

STEP 1: Type: RMV:GRID a ISW bc!

- a - Concentrator Group (1-15)
- ISW - Identifies this as a first stage (15A) grid.
- b - Concentrator (0-1) of the grid.
- c - Switch Group (0-2)

Wait for reply: tt RMV GRID a ISW bc f

f - ACTION TAKEN: COMPL

(COMPL) indicates the grid has been successfully removed from service. any message other than this check your OM-3H300.

STEP 2: After removing Grid from service, remove fuse associated with this grid. Location can be found in (SD-3H901-D2).

STEP 3: Remove the 710 being convector first. Next remove connectors 720, 520, 320, 120, then remove remaining connectors.

STEP 4: Remove cut cable connectors and A-link connectors carefully.

STEP 5: Remove screws securing the grid to be removed and remove the grid carefully.

STEP 6: Now you are ready to install the new grid.

STEP 7: Install new grid, install screws.

STEP 8: Carefully reconnect A-link connectors and the cut cable connectors.

STEP 9: Insert Berg connectors 720, 520, 320, and 120. Be sure they are in the right location.

STEP 10: Insert Berg connector 710. BE sure it is in the right location.

STEP 11: Install remaining connectors in the right location.

STEP 12: Insert associated fuse. Restore grid.

Type: RST:GRD a ISW bc!

- a - Concentrator Group (1-15)
- ISW - Identifies this as a first stage grid.
- b - Concentrator (0-1) of the grid.
- c - Switch Group (0-2)

TABLE B  
15B GRID REMOVAL

STEP 1: To remove 15B Grid from service, type:  
RMV:GRID a OSW d!

- a - Concentrator Group (1-15)
- OSW - Identifies this as a second stage 15B grid.
- d - is the output switch number (0,7)

Wait for reply: ..tt RMV GRID a OSW d f

f - ACTION TAKEN: COMPL.

This indicates the grid has been successfully removed from service. Any message other than this should be checked in the 3H300 OM.

STEP 2: After removing grid from service, remove Berg connectors and A-link connectors.

STEP 3: Now the grid is ready for removal.

STEP 4: Install the new grid, be sure Berg connectors are in the right location.

STEP 5: Restore 15B grid with RESTORE message.

TABLE C  
15C GRID REMOVAL

STEP 1: To remove 15C Grid, type:  
RMV:GRID a JSW e!

- a - Concentrator Group (1-15)
- OSW - Identifies this as a third stage 15C grid.
- e - Junctor Switch number

STEP 2: After reply message, that the grid is removed, remove connector and cabling.

STEP 3: Now you are ready to replace grid. Always check connector locations when replacing connectors.

STEP 4: Restore 15C Grid with Restore message.