

REMOTE SWITCH CONTROL LEAD

VERIFICATION

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1. GENERAL INFORMATION

- 1.1 This section provides a verification of the control leads between the WB Remote Switch (SD-27900-01) and the Remote Switch Signal Control Circuit (SD-27902-01).
- 1.2 The RSSC circuit is located in the Control office. Consequently, this test requires a man at the control office and one at the remote office with a communication link between them.

2. TEST EQUIPMENT

| <u>Amt</u> | <u>Code</u> | <u>Description</u> |
|------------|-------------|--------------------|
| 10 | R-1824 | Pencil Lamp |

3. LEAD VERIFICATION

- 3.1 Leads ASW, BSW, SO, 1, 2, 4, 7, G1, G2, RCK and B

| | CONTROL OFFICE | | REMOTE OFFICE |
|------|---|--|---|
| | RSSC | | R.S. |
| Step | Action | Result | Result |
| 1 | Block operated relay AS (Group 1). | | Relays ASW and A operate |
| 2 | Block operated relay SO, associated with Group 1 | | * S4, S7 * SL4, SL7 * ASO * LAO Sel Mag * SMK |
| 3 | Block operated relay | Resistance Battery appears on 2 of relay RC. | |
| 4 | Release relays RC, AS and SO. | | Relays release. |
| 5 | Repeat steps 1,2, and 4 for relays S1-9 (Group 1) | | Same as steps 1,2 and 4. |
| 6 | Repeat steps 1-5 for relay BS blocked operated. | | Same as steps 1-5. |

CONTROL OFFICE

REMOTE OFFICE

| Step | Action | RSSC | Result | R.S. Result |
|------|--|------|--------|---|
| 7 | Alternately operate relays T0-0 (Group 1) | | | Corresponding relay T 2/5 alternately operate. |
| 8 | Alternately operate relays U0-9 (Group 1). | | | Corresponding relays U2/5 alternately operate. Relays U1A and U1B operate with relay U1 |
| 9 | Repeat steps 1-8 for Group 2 leads. | | | Same as steps 1-8. |

3.2 Leads G3, G4, and LS 0-9

3.21 Preparation - At the Remote Switch, Connect one lead of the 10R-1824 pencil lamps to punchings 20-29 of TS (AA-M) and the other leads to battery. In the following test, these lamps will be referred to as lamps LS0-9 for their respective punchings 20-29.

3.22 Test Procedure

| Step | RSSC Action | R.S. Result |
|------|-----------------------------------|---------------------------------------|
| 1 | Momentarily operate relay LS0. | Pencil lamp LS0 momentarily lights. |
| 2 | Alternately operate relay LS1-9 | Pencil lamps LS1-9 alternately light. |
| 3 | Insulate contact 5B of relay TR1 | |
| 4 | Momentarily operate relay LS0. | Verify lamp LS0 does not light. |
| 5 | Remove insulator from relay TR1. | |
| 6 | Block relay TR1. | |
| 7 | Momentarily operate relay LS0. | Lamp LS0 momentarily lights. |
| 8 | Release relay TR1. | |
| 9 | Insulate contact 8B of relay TR2. | |
| 10 | Momentarily operate relay LS1. | Verify lamp LS1 does not light. |
| 11 | Remove insulator from relay TR2. | |
| 12 | Block operated relay TR2. | |
| 13 | Momentarily operate relay LS1. | Lamp LS1 momentarily operates. |
| 14 | Release relay TR2. | |

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