

DATE 9/1/52

SH. OF 2

COMPILED BY

N. Co. ind

TMC SPECIFICATION NO. S-131

TITLE: MODIFICATION OF SFO REGENERATOR

JOB 115

APPROVED

The following are all the parts required to modify SFO Regenerator to use Western Electric 275C Relay in lieu of Western Electric Relay D-168479.

1. Resistor - 47 ohm. 1 watt fixed composition T.M.C. #RC30GF470-J.
2. Wire - 2 inches of #20 (BLUE) stranded T.M.C. #SRIR-1 (7)-20-U-66.
3. Wire - 1 inch of #22 (BUSS) T.M.C. #WL-100-7.

MODIFICATION OF XK1 SOCKET

STEP 1: Unsolder all leads connected to XK1. Care must be taken in removing, as these leads shall be used again. Clean all lugs on XK1, a small brush should be used for this purpose for best results.

WIRING OF XK1 SOCKET

STEP 2: Connect the following leads as described:

Blue lead from J-3 to pin 3. Dark blue lead from S-5 TRIGGER-OUTPUT SWITCH to pin 3 and solder.

Red lead from terminal board tie point of R57 to pin 8 and solder.

Blue lead from L2 to pin 1 and solder.

Blue jumper lead (Supplied) from pin 5 of XV9 to pin 5 of XK1. (Solder XV9 end.)

Blue lead from .5 capacitor C-27 to pin 5 of XK1 and solder.

Solder jumper #22 Buss (Supplied) from pin 6 to pin 7 of XK1.

MODIFICATION OF J3

STEP 3: Remove R63. Connect Red and Blue lead as shown on Sheet 2
Spec No. S-131.

MODIFICATION OF NEUTRAL OUTPUT CONTACT TERMINAL BOARD

STEP 4: Unsolder Red lead from Lug 2 and connect to pin 8 of XVR-4 socket. Connect 47 ohm. resistor (Supplied) from lug 2 to pin 8 of XVR-4 and solder both sides. Leave C-29 Red lead tied to lug 2 as shown on Sheet 2

Spec No. S-131.

COMPLETION OF MODIFICATION.

STEP 5: Install SFO modified unit and replace Western Electric D-168479 relay, (T.M.C. No. RL-103) with Western Electric 275C relay, (T.M.C. No. RL-104). Refer to Section 3 of Instruction Manual to make final adjustments required for operation.

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SH. 2 F 2

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MODIFICATION OF SFO REGENERATOR

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NC - No CONNECTION

