

TAKING EQUIPMENT OUT OF SERVICE
TRANSVERTER CONNECTORS
NO. 1 CROSSBAR OFFICES ARRANGED FOR AMA

1. GENERAL

1.01 This section covers the method to be followed in taking a transverter connector out of service in No. 1 crossbar offices arranged for AMA. Part 3 of this section covers the method of taking the transverter connector and the individual pieces of apparatus associated with this circuit out of service. Part 4 covers the precautions to be followed when working on the apparatus associated with this circuit.

2. APPARATUS

2.01 No. 322A (make busy) plugs, as required.

3. METHOD OF TAKING EQUIPMENT OUT OF SERVICE

3.01 Transverter Connector Path to a Particular Transverter: At the transverter trouble indicator frame, make the transverter busy to the transverter connector by inserting a make busy plug into its CB- jack.

3.02 Transverter Connector: At the transverter trouble indicator frame, make busy all the senders served by this transverter connector by inserting a make busy plug into the C-GB jack for this connector.

3.03 CA1, CA2, CA3, CA4, CA5, CA6, GR, GRA, GT, GT1, TR and TR1 Relays (Second Trial, Alarm and Sequence Circuit): Make busy the transverter connector as outlined in 3.02.

3.04 CB- Relay: Make busy the transverter connector as outlined in 3.02.

3.05 SA-, SB- and SS- Relays: At the sender make busy frame, make busy the associated sender by inserting a make busy plug into the MB- jack for this sender.

3.06 SMB Relay: At the sender make busy frame, make busy all the senders served by this transverter connector by inserting make busy plugs into the MB- jacks for these senders.

3.07 TA-, TB- and TS- Relays: At the transverter trouble indicator frame,

make busy the associated transverter to this transverter connector by inserting a make busy plug into its CB- jack.

3.08 TVT Relay: Make busy the transverter connector as outlined in 3.02.

4. PRECAUTIONS TO BE FOLLOWED WHEN WORKING ON THE APPARATUS

CA1, CA2, CA3, CA4, CA5, CA6, GR, GRA, GT, GT1, TR and TR1 Relays (Second Trial, Alarm and Sequence Circuit)

4.01 At the transverter trouble indicator frame, make busy all the senders served by this transverter connector by inserting a make busy plug into the C-GB jack for this connector. Wait approximately 20 seconds for the associated senders to become normal. Observe the following precautions when working on the relays noted in 4.02 to 4.06 inclusive.

4.02 CA1 Relay: To prevent sounding the major and minor alarms and lighting the CT and TFA lamps, block non-operated the CA4 relay.

4.03 CA4 Relay: While this relay is operated, the major alarm will sound and the CT lamp at the transverter trouble indicator frame will light. The C- lamp at the transverter trouble indicator frame will light if the BAT key is operated.

4.04 CA6 Relay: While this relay is operated, the minor alarm will sound and the TFA lamp at the transverter trouble indicator frame will light. The C- lamp at the transverter trouble indicator frame will light if the BAT key is operated.

4.05 GR Relay: While this relay is operated, the major alarm will sound and the CT and GR lamps at the transverter trouble indicator frame will light. The C- lamp at the transverter trouble indicator frame will light if the BAT key is operated.

4.06 GT Relay: To prevent sounding the minor alarm and lighting the TFA lamp, block operated the CA5 relay.

CB- Relay

4.07 At the transverter trouble indicator frame, make busy all the senders

served by this transverter connector by inserting a make busy plug into the C-GB jack for this connector. Wait approximately 20 seconds for the associated senders to become normal. At the transverter trouble indicator frame, make busy the associated transverter to all other transverter connectors by inserting make busy plugs into its CB- jacks.

SA-, SB- and SS- Relays

4.08 At the transverter trouble indicator frame, make busy all the senders served by this transverter connector by inserting a make busy plug into the C-GB jack for this connector. Wait approximately 20 seconds for the associated senders to become normal. Observe the following precautions when working on the relays noted in 4.09 and 4.10.

4.09 SA- or SB- Relay: To prevent disabling the transverter sequence feature in all the other transverter connectors, sounding the major or minor alarm and lighting the TFA, CT and C- lamps, block operated the CA5 and GT1 relays.

4.10 SS- Relay: To prevent sounding the major and minor alarms and lighting the TFA, CT and C- lamps, block operated the CA5 relay.

SMB Relay

4.11 At the sender make busy frame, make busy all the senders served by this transverter connector by inserting make busy plugs into the MB- jacks for these senders.

TA-, TB- and TS- Relays

4.12 At the transverter trouble indicator frame, make busy all the senders served by this transverter connector by inserting a make busy plug into the C-GB jack for this connector. Make busy the associated transverter by inserting a make busy plug into its TV-MB jack. Make the transverter trouble indicator busy to the

associated transverter by inserting a make busy plug into its TV-TIB jack. Observe the following precautions when working on the relays noted in 4.13 and 4.14.

4.13 TA- Relay: If this relay is operated for 2.5 to 4 seconds, the short time-out feature of the transverter will sound the minor alarm and light the TI lamp at the transverter trouble indicator frame. To prevent sounding the major alarm and lighting the CT and C- lamps, block non-operated the CA4 relay. When the TA- relay is released, operate the RL (release) key at the transverter trouble indicator frame to silence the minor alarm and extinguish the TI lamp.

4.14 TS- Relay: If this relay is operated for 2.5 to 4 seconds, the short time-out feature of the transverter will sound the minor alarm and light the TI lamp at the transverter trouble indicator frame. When the TS- relay is released, operate the RL key at the transverter trouble indicator frame to silence the minor alarm and extinguish the TI lamp.

TVT Relay

4.15 At the transverter trouble indicator frame, make busy all the senders served by this transverter connector by inserting a make busy plug into the C-GB jack for this connector. Wait approximately 20 seconds for the associated senders to become normal.

4.16 If this relay is operated while the originating sender test circuit is making tests that use a transverter, interference in the selection of a transverter may occur and cause the test circuit to block.

5. REPORTS

5.01 Any required record of the equipment removed from service should be entered on the proper form.