

NO-SUCH-NUMBER TONE SIGNAL CIRCUIT SD-25791-01 TAKING EQUIPMENT OUT OF SERVICE NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers the method to be followed in taking out of service the no-such-number tone signal circuit SD-25791-01 in No. 5 crossbar offices. It also covers the methods of taking out of service the individual pieces of apparatus in this circuit.

1.02 Part 3 of this section covers the method of taking the tone generator circuits out of service and Part 4 covers the precautions to be followed when working on the apparatus associated with these circuits and the transfer and alarm circuit.

1.03 One transfer circuit and two tone generator circuits are provided to furnish oscillating tone as the no-such-number tone supply for the entire office.

1.04 The tone generator circuits are arranged so that either can be used as the preferred circuit while the other is used on a standby basis.

2. APPARATUS

2.01 None required.

3. METHOD OF TAKING EQUIPMENT OUT OF SERVICE

Tone Generator Circuits

3.01 To remove tone generator circuit No. 1 from service, operate the TST (test) key and when the No. 2 lamp is extinguished operate the TR (transfer) key to position 2 and then restore the TST key.

3.02 To remove tone generator circuit No. 2 from service, operate the TST key and when the No. 1 lamp is extinguished restore the TR key to position 1 and then restore the TST key.

Transfer Circuit

3.03 The transfer circuit is common equipment for the two tone generator circuits and cannot be removed from service without incapacitating the tone supply. Therefore, any trouble in this

circuit which interferes with the no-such-number tone supply to the office should be corrected immediately. Any other trouble in this circuit should be corrected as soon as possible, in order that a transfer from the preferred to the standby tone generator circuit can be made, when required.

4. PRECAUTIONS TO BE FOLLOWED WHEN WORKING ON THE APPARATUS

Tone Generator Circuits

4.01 To remove the tone generator circuit No. 1 from service, operate the TST key and when the No. 2 lamp is extinguished operate the TR key to position 2 and then restore the TST key.

4.02 To remove tone generator circuit No. 2 from service, operate the TST key and when the No. 1 lamp is extinguished restore the TR key to position 1 and then restore the TST key.

4.03 Observe the following precautions when working on the relays noted in 4.04 to 4.07.

Transfer Circuit Relays

G Relay

4.04 Block operated the H1 relay to prevent removing the no-such-number tone from the C and D supply leads. If the G relay is either manually or electrically operated the minor alarm will be sounded and the aisle pilot lamp lighted. The alarm will be silenced and the aisle pilot lamp extinguished when the relay is released.

J Relay

4.05 Operate the TST key and observe that both the Nos. 1 and 2 lamps are extinguished before manually or electrically operating this relay. This prevents removing the tone from the C and D supply leads.

4.06 Exercise caution when making mechanical adjustments on the J relay and complete the work as quickly as

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possible. When any of the closed contacts on this relay are opened tone will be removed from the C and D supply leads.

4.07 When the J relay is to be replaced connect together the leads from the 1T, 2T and 6T springs, connect together the leads from the 3T, 4T and 8T springs

and connect together the leads from the 1B, 2B and 4B springs of this relay.

5. REPORTS

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