

## NO-SUCH-NUMBER TONE SIGNAL CIRCUIT SD-25831-01 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-25831-01 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 signal 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 circuit.

1.03 One transfer circuit and two tone signal circuits are provided to furnish an interrupted low tone as the no-such-number tone supply for the entire office.

1.04 The tone signal 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 Signal Circuits

3.01 To remove tone signal circuit No. 1 from service, operate the TR key to position 2.

3.02 To remove tone signal circuit No. 2 from service, restore the TR key to position 1.

#### Transfer Circuit

3.03 The transfer circuit is common equipment for the two tone signal 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 signal circuit can be made, when required.

### 4. PRECAUTIONS TO BE FOLLOWED WHEN WORKING ON THE APPARATUS

4.01 To remove tone signal circuit No. 1 from service, operate the TR key to position 2.

4.02 To remove tone signal circuit No. 2 from service, restore the TR key to position 1.

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

#### Transfer Circuit Relays

AL and AL1 Relays

4.04 Operate the ACO key to prevent transferring the tone supply leads. It is to be noted that the audible alarm will not function in case of a trouble condition in the tone signal circuit while working on these relays.

ATR Relay

4.05 Operate the ACO key to prevent sounding the alarm. Insulate the IB contact of the ATR relay.

4.06 Exercise caution when making mechanical adjustments on or applying current flow tests to the ATR relay and complete the work as quickly as possible, since operating this relay will interfere with the no-such-number tone.

4.07 When the ATR relay is to be replaced connect together the leads from the 4T and 5T springs and connect together the leads from the 7T and 8T springs.

### 5. REPORTS

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

