STEP-BY-STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
MISCELLANEOUS CIRCUIT
FOR ANGLE RELAY RACK BAYS

CHANGES

B. CHANGES IN APPARATUS

B.1 Added

KS-13490-L1 12,000 Ω Resistor
55A Connecting Block

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Fig. 7 is added.

D.2 In ckt. note 101 Fuse "A" is designated and Fuse "B" is added.

D.3 Reference to Fig. 7 is added to ckt. notes 102 and 103 and to options used table.

D.4 Title is changed to include 356A offices and to add the words "angle iron"; "Replacing SD-65677-01 for 356A offices" is added to title box.

D.5 Fuse "A" is designated in Figs. 1 and 6.

All other headings under Changes, no change.

1. PURPOSE OF CIRCUIT

1.1 This circuit provides a switchman's talking line jack for intercommunication at Relay Rack Bays and also provides A-C and D-C supply jacks for use with test sets.

2. WORKING LIMITS

2.1 None.

3. FUNCTIONS

3.1 Provides a switchman's talking station.

3.2 Provides battery and ground supply for test sets.

3.3 Provides generator supply for test sets.

3.4 Provides 22V 60 cycle A-C supply for test set used in checking Timers.

4. CONNECTING CIRCUITS

When this circuit is listed on a keysheet the connecting information thereon is to be followed.

4.1 Test Sets such as SD-90469-02.

4.2 Switchman's Talking Line - SD-32021-01.

4.3 Timer Test Set - SD-32031-01.

4.4 Connector Test Line for No. 355A - SD-31857-01.

4.5 Power Ringing Circuit - SD-80885-01.

4.6 22V A-C Power Supply - SD-80818-01.

DESCRIPTION OF OPERATION

5. 48V Battery and Ground Supply, Fig. 1

The jack of Fig. 1 provides battery and ground supply for test sets. The tests posts provide access to battery and ground for use when testing with a test receiver, voltmeter or other such test apparatus.

6. Ringing Current Supply, Figs. 2 and 3

The jack of Fig. 2 with the associated resistance lamp of Fig. 3, provides ringing supply for test sets.

7. 22V 60 Cycle Supply, Fig. 4

The jack of Fig. 4 provides an A-C supply for the test set used for checking Timers used for overtime charging on coin and message rate trunks.

8. Switchman's Talking Line, Fig. 5

The jack of Fig. 5 connects to the switchman's talking line, which has appearances at other points throughout the office. It is used when tests require the cooperation of two or more maintenance employees at different points in the office.

9. Connector Test Line Jacks, Fig. 6

The jacks of Fig. 6 are used in tests of prepay coin trunks and trunks with delayed ringing incoming from toll, to provide a connection from the connector test set used for testing these trunks.

10. 48V Battery, Ground and High Resistance Ground Supply, Fig. 7

The connecting block of Fig. 7 is used to provide battery, ground and high resistance ground in various parts of the office. These terminals are for use by a test man. The high resistance ground may be used for checking presence of ringing current where it is desirable not to trip the ringing, for checking corrections of relays or traffic registers without causing their operation, and similar use.

BELL TELEPHONE LABORATORIES, INC.

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