TELEPHONE SET F-56093

INSTALLATION, CONNECTIONS, MAINTENANCE

1. GENERAL

1.01 This section provides instruction, identification, installation, maintenance, and connection information for the F-56093.

1.02 This includes:

(a) Connections for 4-party full selective and 8-party semiselective ringing using:

- A 426N diode
- A 425A tube
- A 687B subset

1.03 Pictures are of shop models and may differ slightly from production models.

2. DESCRIPTION

2.01 The F-56093 set is a small common-battery telephone for wall use. (Fig. 1)

2.02 This set is available in white (-58).

3. INSTRUCTING THE CUSTOMER

3.01 This is new apparatus seen for the first time by telephone customers. A thorough explanation and demonstration of new features is necessary for customer satisfaction. Explain in the following order:

(a) "Floating" Finger Stop

(1) Remove handset from base and point out "floating" finger stop.

(2) Demonstrate finger stop by dialing digit "1". Note that finger stop travels about 30 degrees before stopping. To prevent dialing errors, every digit dialed requires rotation of fingerwheel until finger is stopped.

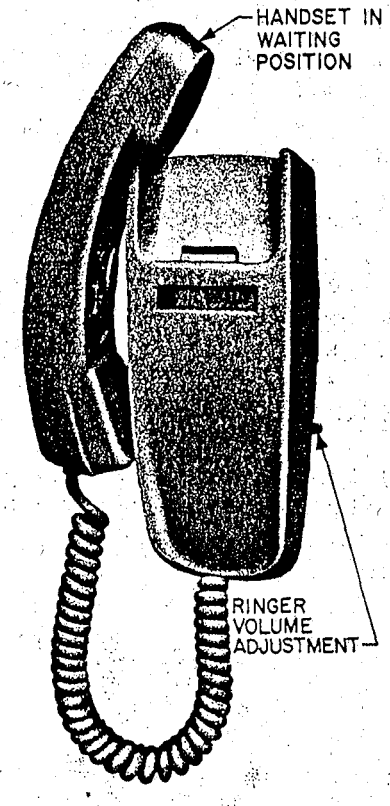

Fig. 1 - Dial-in-Handset

(b) Recall Switch

(1) Point out recall switch.

(2) Explain advantages of recall switch.

Example: If customer wishes to terminate the telephone connection without replacing the telephone handset on the hanger, he may depress the pushbutton and then lay the handset down. The telephone will be in an "on hook" condition. To answer an incoming call or to place an outgoing call, the pushbutton must be operated again. If the telephone is placed in an "on hook" condition through operation of the pushbutton and then placed on its associated hanger when it is removed from the hanger, there will be no need to operate the pushbutton. The telephone will have been placed automatically in an "off hook" condition.

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4.06 The base mounting for these telephones contains a line switch (switchhook), terminal board, and ringer. The terminal board provides terminations for inside wire and/or mounting cord, handset cord, and ringer (Fig. 4).

4.07 An F-55901 ringer is in the set. A volume control lever extends beyond the base (Fig. 1). For ringer cutoff, remove small stop screw located on ringer frame (Fig. 5). Some sets are equipped with an earlier type ringer. In these cases, it is necessary to first remove ringer in order to remove the stop screw for ringer cutoff.

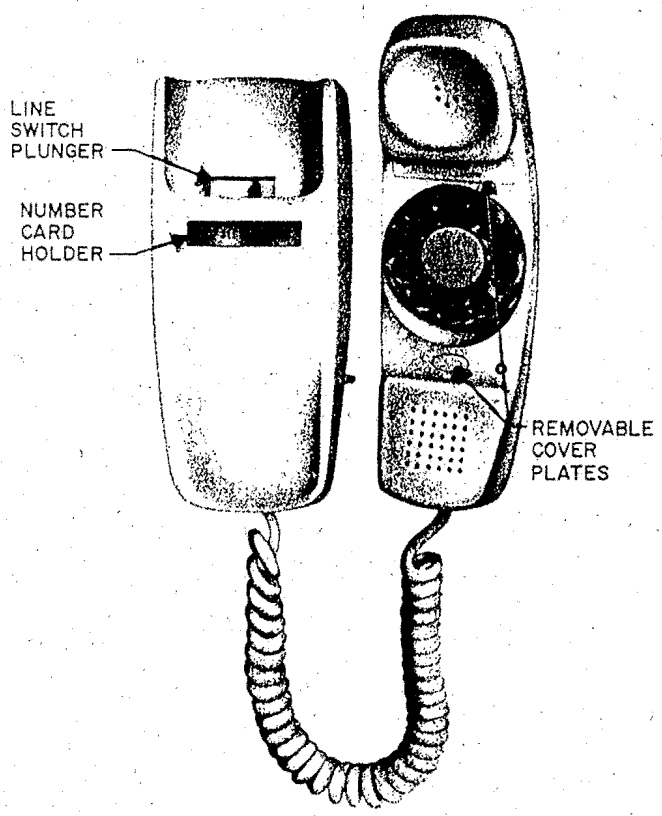

Fig. 3 - F-56093 Telephone Set

5. INSTALLATION

5.01 Selection of location and method of installation shall be consistent with standard practices.

NOTE: When ringing and/or identification ground is required, be sure that telephone protector and/or signaling ground conductor is connected to best ground available. Refer to section covering protectors and signaling grounds.

5.02 Ringing and/or identification ground, if required, is common to the lamp circuit (Fig. 9). Damage to transformer may result if there is sufficient ground potential difference between power and telephone grounds. Refer to section on bonding to power grounds.

5.03 To remove housing from F-56093 wall set (Fig. 3):

(1) Remove number card holder and number card with a KS-16750, List 1 releaser.

(2) Loosen the two captive screws which are now exposed (Fig. 4).

(3) Lift housing off.

5.04 To replace housing:

(1) Hold the housing upside down so that the line switch plunger is exposed (Fig. 3).

(2) Place a finger on the front of the exposed plunger to hold it in place.

(3) While holding plunger, turn housing upright and place in position over the backplate.

(4) The plunger may now be released, as it will now rest on the line switch arm (Fig. 4).

(5) Tighten housing screws.

(6) Replace number card.

(7) Replace number card holder by inserting one end in the recess. Put light pressure on the other end to cause a slight outward bow and snap into recess.

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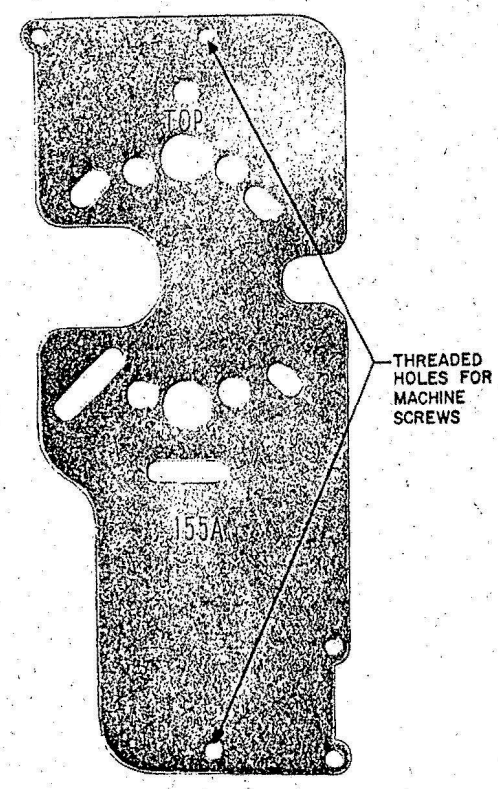

Fig. 6 - 155A Adapter Plate

5.08 In cases where an inside wire is already in place through a wall, an exposed wire run may be necessary between dial light transformer and wall set. If a 155A adapter plate is used, the exposed wire may enter the set through openings at top or bottom. If an F-55854 backboard (Fig. 7) is used, the exposed wire may enter set through the backplate from behind the backboard. See Tables C and D of Fig. 9 for connections.

5.09 To replace 5-1/2-foot spring cord with 9- or 13-foot cord in the hand set:

(1) Use a KS-16750, List 1 releaser, to remove both covers (Fig. 3).

(2) Remove three housing screws (Fig. 2).

(3) Separate both shells by gently opening to the left, as opening a book (Fig. 8).

(4) Remove 4-cord conductor plugs from jacks with long-nose pliers (Fig. 8).

(5) Lift rubber cord stay from holder and slip cord out of entrance hole.

(6) To install cord, reverse procedure.

(7) To close shells, exert pressure with thumb and fingers on receiver area. Fasten two mounting screws near receiver heel before fastening third screw.

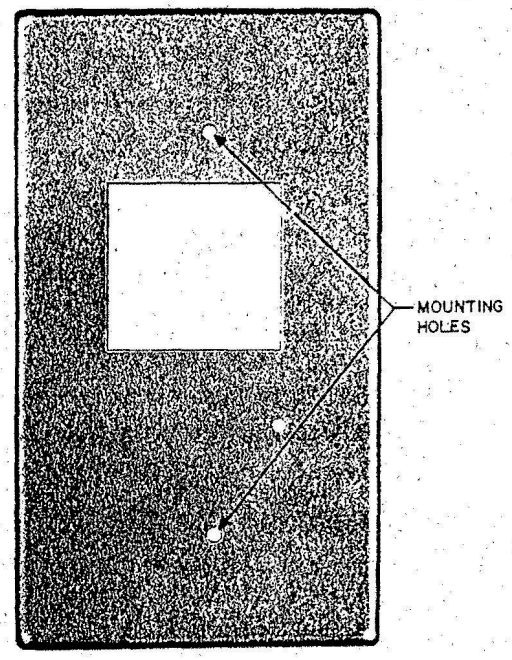

Fig. 7 - F-55854 Backboard

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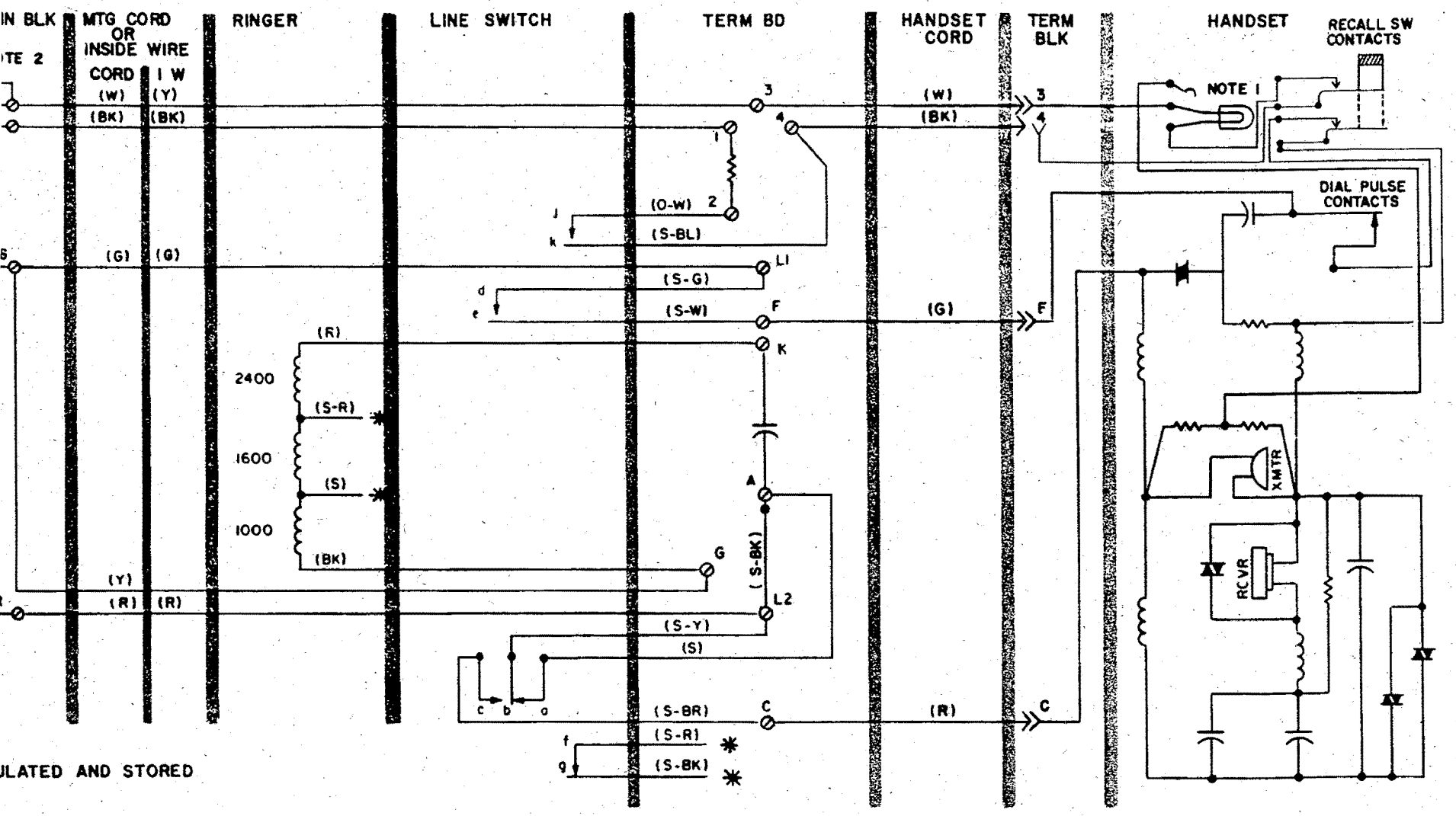

TABLE D

F-56093 TELEPHONE SET CONNECTIONS (WALL SET)

WIRE OR LEAD		INDIVIDUAL OR BRIDGED	RING PARTY	TIP PARTY	
				NO IDENT GROUND	1000 OR 2650 OHM-NOTE 1
INSIDE WIRE AT TELEPHONE SET	R	L2	L2	L1	L1
	G	L1	L1	L2	L2
	Y	3	3	3	3
	BK	1	1	1	1
RINGER LEADS	R	K	K	K	K
	BK	L1	3	3	3

NOTE 1: FOR TIP PARTY IDENTIFYING GROUND–1000Ω OR 2650Ω - CONNECT METAL STRAP LOCATED UNDER DIAL LIGHT ACCESS PLATE TO DIAL LIGHT TERMINAL

IDENTIFYING GROUND IS TRACED FROM METAL STRAP THROUGH PARALLEL RESISTANCES OF XMTR, TO C–B LINE SWITCH CONTACTS TO L2 OF TERMINAL BOARD.

NOTE 2: GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE; NOT NECESSARY FOR PORTECTION OF

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