BELL SYSTEM PRACTICES
Station Operations Manual
Station Sets

SECTION C38.655.00
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AT&TCo Standard

TELEPHONE SETS—608 AND 618 TYPES

IDENTIFICATION AND ASSEMBLY OF PARTS

1.00 GENERAL

1.01 This section gives information for identification and assembly of the 608- and 618-type telephone sets. These sets are general purpose sets and resemble other sets of THE CALL DIRECTOR type.

1.02 They are intended for use with either 2- or 4-wire service on central office, PBX, or private lines. These sets are intended to be connected to 1A1 key telephone systems only.

1.03 The 608- and 618-type telephone sets are similar electrically. The 608-type set, Fig. 1, is a 30-button set and the 618-type, Fig. 2, is an 18-button set. The sets can be ordered with different combinations of key module units (see Table A).

1.04 The 608- and 618-type telephone sets provide the following features:

- Relay for switching the receiver circuit between 2- or 4-wire circuits.

- Headset amplifier and jacks.

- Nonilluminated (amber) flash key and (clear plastic) mechanical release key.

- Even count color code cords.

- D1B ringer with provision for second audible signal (buzzer).
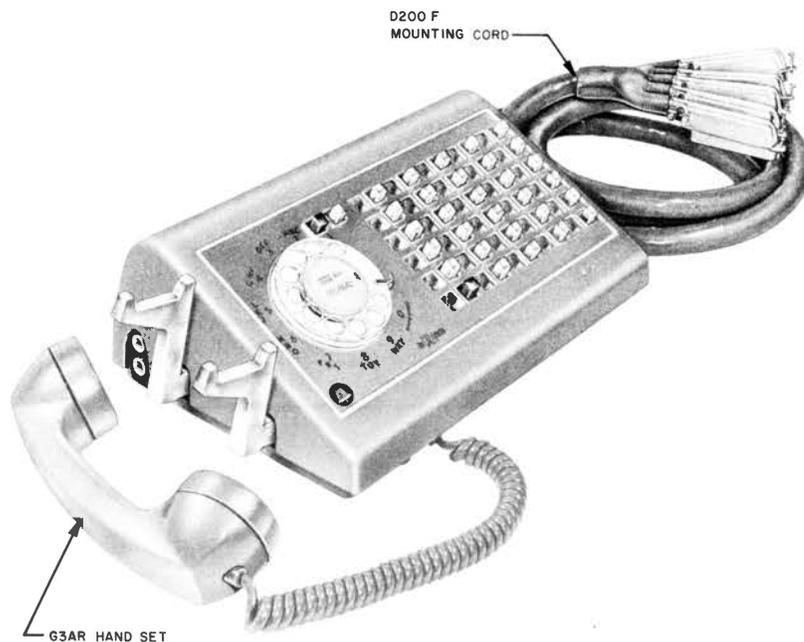
- Speakerphone option.

Fig. 1 — 608B Telephone Set

Fig. 2 — 618A Telephone Set

2.00 IDENTIFICATION

2.01 The talking and dialing portion of these sets consists of a 425D network, 151D amplifier, 8C dial, and a G3AR hand set. In addition a set of 517A jacks at the left rear of the set is arranged to receive a 289B plug for use with a 52- or 53-type operator head telephone set. When a headset is plugged into the jacks the G3AR hand set and switchhook circuits are electrically inoperative.

TABLE A

MODULE UNITS

Telephone Set	Code	Key Position				
		Left	2nd	3rd	4th	5th
608	B3	599A	598A	598A	598A	598A
	B12	599B				667A (MD) or 667B
	B17	599A				
	B20	599B				
618	A2	599A	598A	598A		
	A7	599B		667A (MD) or 667B		
	A11	599A				
	A13	599B				

2.02 The ringing circuit consists of a single-gong D1B ringer equipped with a control arm to vary ringing volume from LOUD to OFF. The control lever projects through the base at the lower left front of the set. In addition, a 7-type buzzer (with cover removed) or KS-8109 buzzer can be mounted internally on a 71A bracket.

2.03 These sets feature a relay (*FW* relay) for switching between 2- or 4-wire circuits. On 2-wire circuits the receiver is connected to the 425D network in the usual manner. When switched to 4-wire lines the relay switches the receiver circuit to the *RR* and *RT* leads where they are connected to impedance-matching repeat coils in the associated line circuits.

2.04 When station busy lamp is required, a special control circuit using an external 6C KTU must be provided. For connections to this circuit see section entitled Telephone Sets — 608 and 618 Types — Connections.

2.05 The 667A (MD) or 667B transmitter unit for use with 3A speakerphone is installed in the 3rd module position of the 618A set and in the 5th module position in the 608B set.

2.06 Each set comes supplied with form E-4646 designation strip and form E-4653 instruction card.

3.00 ASSEMBLY OF PARTS

3.01 The 608- and 618-type telephone sets are available in four colors: green (-51), white (-58), light beige (-60), and light gray (-61).

3.02 Piece-part information for interchangeable parts is covered by Table B and Table C.

TABLE B

FACEPLATES, MATS, BEZELS, AND HOUSINGS

Telephone Set	Code	Face-plate Assembly	Face-plate Only	Mats	Bezel	Housing Assembly	4-Wire Relay Assembly
608	B3	21G*	P-11E997	P-13E551†	P-11E995	P-81J9‡	P-15E238
	B12						
	B17	21M*	P-14E999	P-15E005†			
	B20						
618	A2	20E*	P-11E996	P-13E564†	P-11E994	P-81J8‡	
	A7						
	A11	20G*	P-14E992	P-14E998†			
	A13						

* Includes plastic faceplate and five colored mats.

† A set of mats, one each of gold, blue, green, cream-white, and silver.

‡ Add color code suffix:

Green	-51
White	-58
Beige	-60
Light Gray	-61

TABLE C

MOUNTING CORDS — CONNECTOR CABLES

Telephone Set	Mounting Cord			Connector Cables			
	Code	No. of Cond	Length ft	Code		No. of Cond	Length ft
				Std	MD		
608	D200F	200	8	A100D	A100A	200	*
618	D120C	100	8	A75A		150	

* May be ordered in 50- or 100-foot lengths with connectors on one end only or in 30-, 80-, 100-, or 200-foot lengths with connectors on both ends.
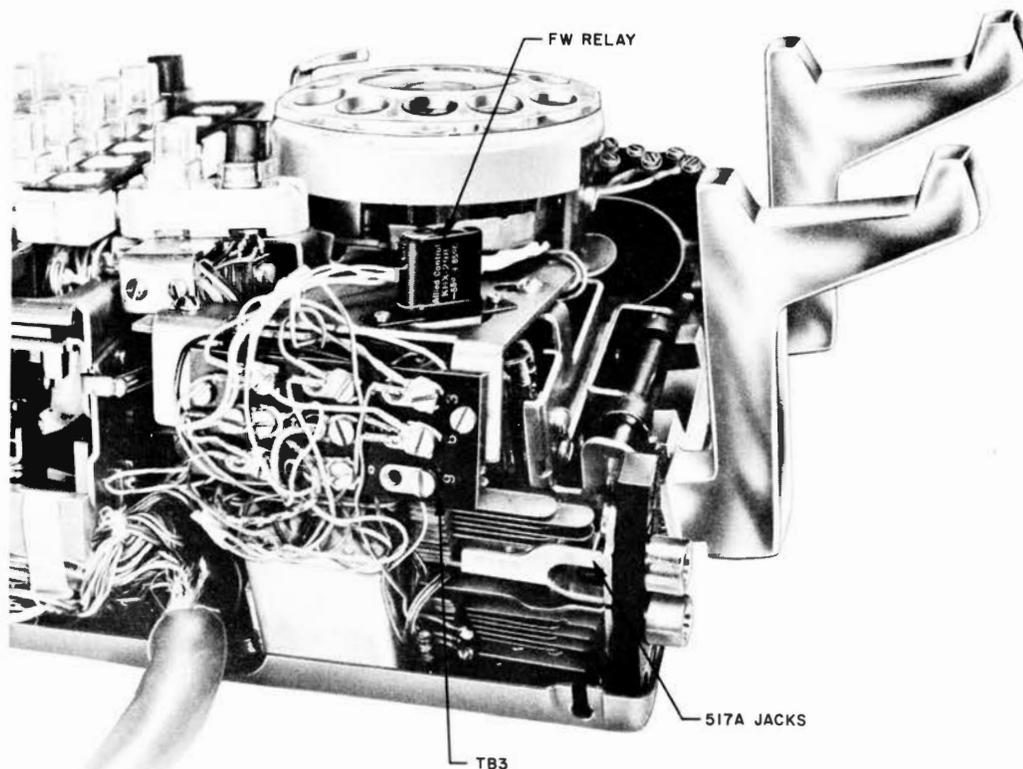
3.03 The relay *FW* used for switching between 2- or 4-wire circuits is a sealed unit (Fig. 3). No adjustments are possible and a replacement unit (P-15E238) consisting of a sealed relay unit with spade-tipped leads can be ordered when required for maintenance reasons.

- To remove relay, disconnect spade-tipped leads from TB3 and 425D network. Remove two screws mounting relay to telephone set.

- To install replacement unit, reverse procedure.

3.04 To convert keys from pickup (locking) to signaling (nonlocking) remove screw detail P-10E837 from key position to be converted.

3.05 Access to designation strips (E-4646) can be obtained by removing the steel bezel from the housing. First lift the bezel from the top of the housing, then raise bezel forward and lift out.

Fig. 3 — FW Relay