

HAND SETS DESCRIPTION

1. GENERAL

1.01 This section contains general information pertaining to hand sets such as their description, piece parts, the combination of apparatus that is included in the code number, and their use. It is reissued to include F1B, F1E, F3F, F3H, F3J, F3K, F3L, F3M, F3N and F3P type hand sets.

1.02 Internal connections for the hand sets are covered in Section C63.341.

2. DESCRIPTION

2.01 The hand set types referred to herein are shown in the following Figs. 1 to 3 inclusive:

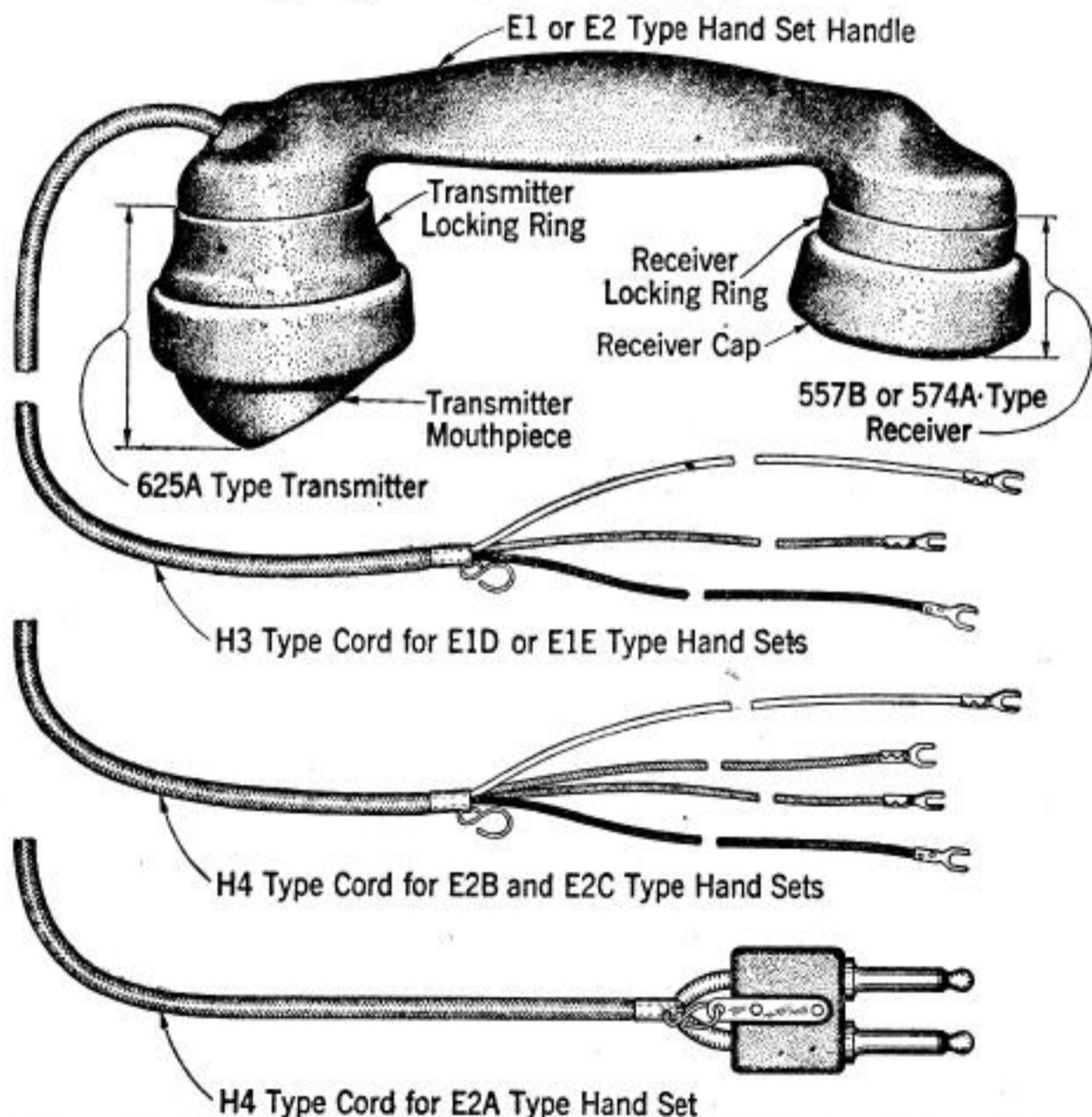


Fig. 1—E1D, E1E, E2A, E2B and E2C Type Hand Sets

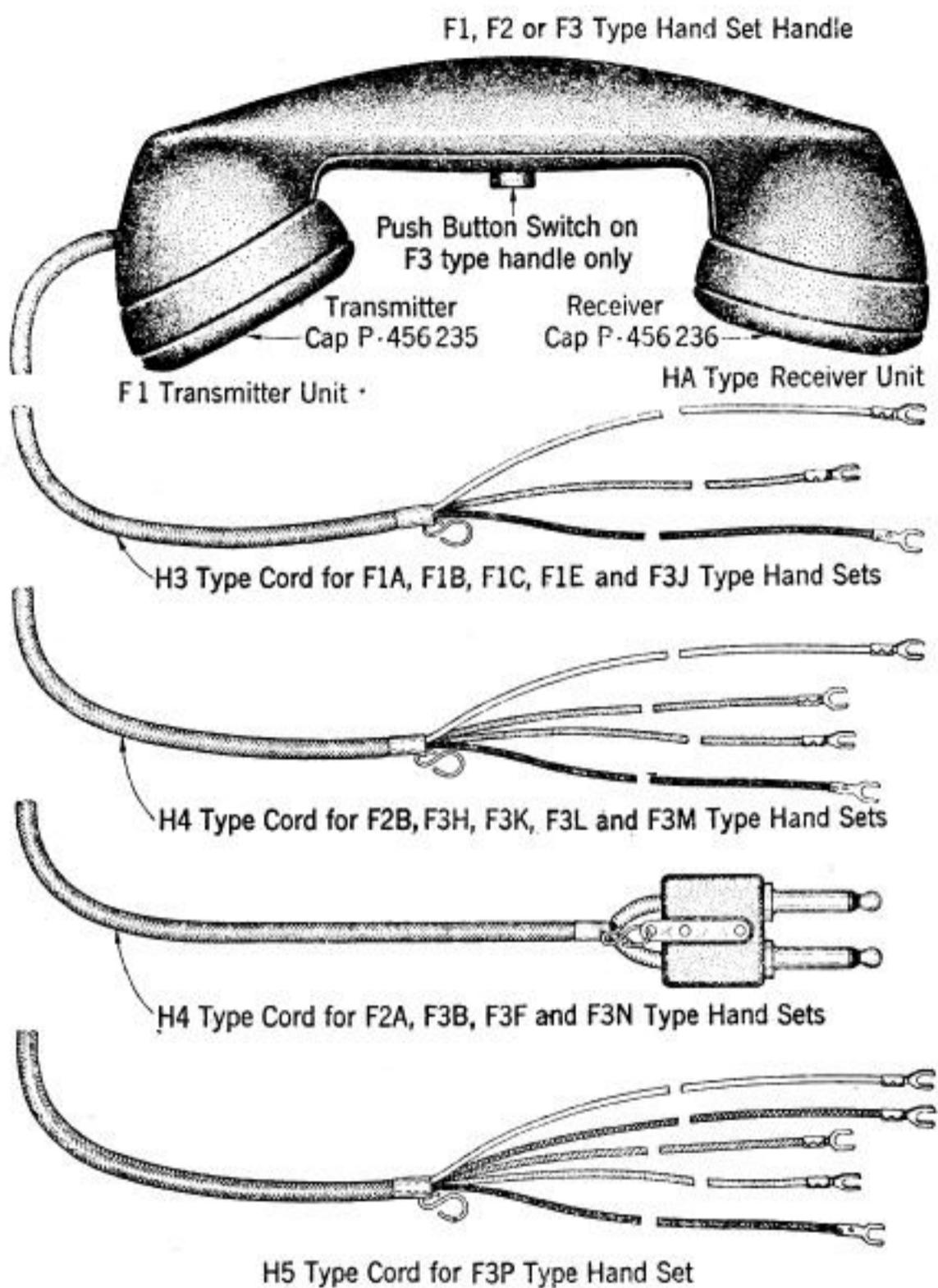


Fig. 2—F1A, F1B, F1C, F1E, F2A, F2B, F3B, F3F, F3H, F3J, F3K, F3L, F3M, F3N and F3P Type Hand Sets

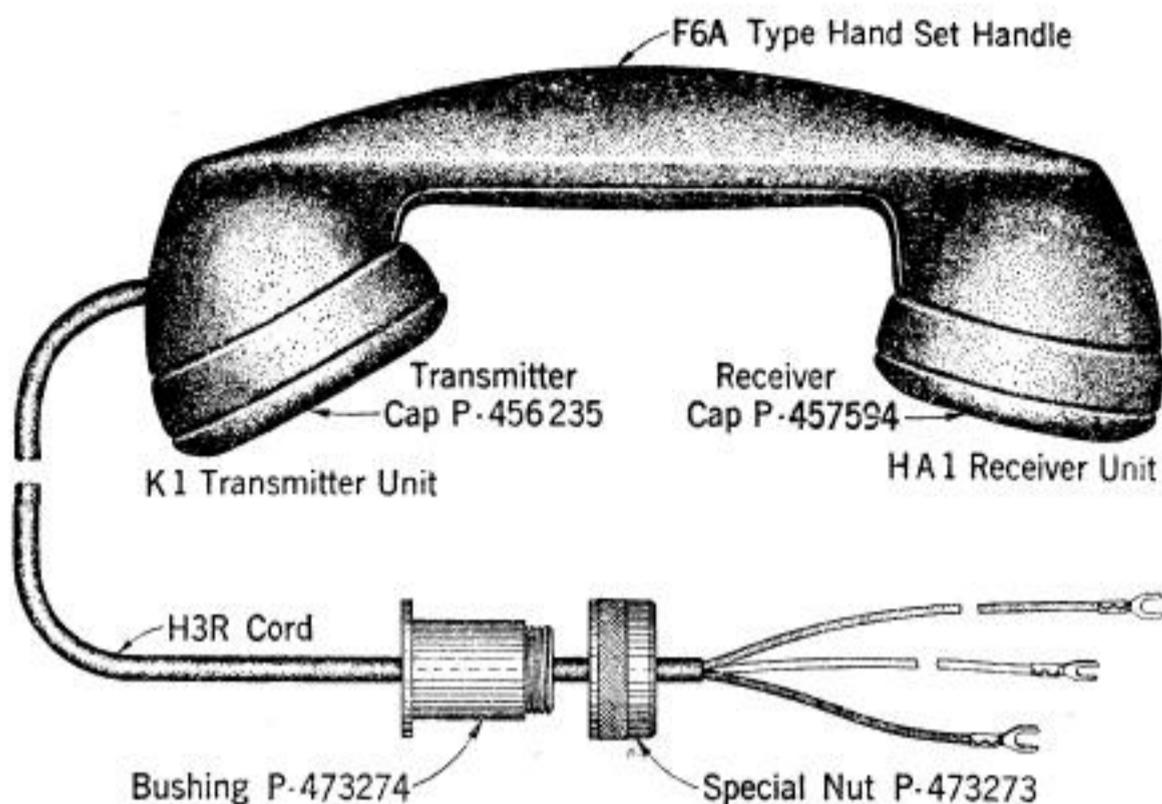


Fig. 3—F6A Type Hand Set

Note: Removal of the K1 transmitter and HA1 receiver units may affect the explosion-proof characteristics of the F6A type hand set. Therefore, they should not be replaced in the field.

3. USES

3.01 Uses of the various types of hand sets are listed in the following table:

<u>Hand Set</u>	<u>Use</u>
E1D	In 300A, B, C, and D type outdoor telephone sets where a hand set with a short weatherproof cord is required.
F1A (E1E)	In hand telephone sets and telephone sets at subscribers' stations.
F1B	In 181, 182, 183 type coin collectors. ←
F1C	In 300E, F, G and H, 325 and 326 type outdoor telephone sets where a hand set with a short weatherproof cord is required.
F1E	In 322A and C, D-94616 and D-94617 telephone sets where a hand set with a short cord is required. ←
F2A (E2A)	In central offices and in P.B.X. systems where a hand set having a cord equipped with an operator's plug is required.

Hand SetUse

- F2B
(E2B) In 307E, F, G and H telephone sets and with anti-sidetone local battery talking, common battery signalling subscriber sets, and in key equipments where this type hand set is required.
- F3B At telegraph positions of toll testboards where these positions are arranged for supervision of telegraph service and where a hand set with a switch to cut in the transmitter and equipped with an operator's plug is required.
- F3F At 102A and similar key equipments and where a hand set with a switch to cut in transmitter and equipped with an operator's plug is required. Also equipped with HA2 receiver unit.
- F3H At certain key equipments and where a hand set with a switch to cut in transmitter and equipped with a waterproof cord is required.
- F3J At stations where a hand set with a switch to remove short-circuiting shunt around transmitter and equipped with a waterproof cord is required.
- F3K
or
F3L
or
F3M With 324A telephone set. Particular hand set used depends upon circuit to which 324A set is connected. Hand sets are equipped with a 9-foot waterproof cord. F3K and F3L are equipped with a switch to remove short-circuiting shunt around transmitter. F3M is equipped with a switch to cut in transmitter.
- F3N At 102 and similar key equipments where a hand set with a switch to cut in transmitter and equipped with an operator's plug is required. HA3 receiver unit is employed.
- F3P At CAA private line inter-airport communicating systems requiring a hand set with a switch to cut in transmitter and employing the HA3 receiver unit.
- F6A With 320 type explosion-proof telephone sets where an explosion-proof hand set and suitable cord are required. This hand set is constructed so as to confine any possible burning of explosive gases to the interior of the instrument and prevent the ignition of gases outside of the instrument.

4. APPARATUS AND PIECE PARTS

4.01 Hand set types and associated apparatus are listed in the following table:

Hand Set	Handle	Trans. Unit	Rec. Unit	Cord	Replaced By
E1D	E1	625A	557B	H3H (1 ft.)	See Note 1 ↗
E1E	E1	625A	557B	H3C	F1A
*E2A	E2	625A	557B	H4N	F2A
E2B	E2	625A	574A	H4L	F2B
E2C	E2	625A	557B	H4L	F2B
F1A	F1	F1	HA1	H3C	
F1B	F1	F1	HA1	H3S	
F1C	F1	F1	HA1	H3H (1 ft.)	
F1E	F1	F1	HA1	H3N (1 ft. 2 in.)	See Note 2
*F2A	F2	F1	HA1	H4U	
F2B	F2	F1	HA1	H4T	
*F3B	F3	F1	HA1	H4AA	
*F3F	F3	F1	HA2	H4AA	
F3H	F3	F1	HA1	H4AF	
F3J	F3	F1	HA1	H3H	
F3K	F3	F1	HA1	H4AL (9 ft.)	
F3L	F3	F1	HA1	H4AL (9 ft.)	
F3M	F3	F1	HA1	H4AL (9 ft.)	
*F3N	F3	F1	HA3	H4AA	
F3P	F3	F1	HA3	H5C	
F6A	F6	K1	HA1	H3R	↙

*289A plug included as part of assembly code.

Note 1: E1D may be replaced by F1C hand sets providing the switchhook on the 300A, B, C or D type telephone set is replaced by switchhook P-294110.

Note 2: E1E hand set may be used in place of F1E if H3C cord is replaced by H3N cord. ↙

4.02 Receiver and transmitter parts for E1D, E1E, E2A, E2B and E2C type hand sets are as follows:

(a) 557B or 574A Type Receivers:

Receiver Cap (557B)	P-235970
Receiver Cap (574A)	P-235971
Receiver Diaphragm	P-98387
Receiver Locking Ring	P-208591

(b) 625A Transmitter:

Phenol Fabric Grid	P-247808
Transmitter Case	P-249536
Transmitter Unit	F1
Transmitter Locking Ring	P-213225
Transmitter Mouthpiece	P-236253

4.03 Receiver and transmitter parts for F type hand sets are as follows:

Type Hand Set	Rec. Unit	Rec. Cap	Trans. Unit	Trans. Cap
F1 and F2 Types	HA1	P-456236	F1	P-456235
All F3 Types except F3F, F3N and F3P types as indicated below	HA1	P-456236	F1	P-456235
F3F	HA2	P-456236	F1	P-456235
F3N and F3P	HA3	P-456236	F1	P-456235
F6A	HA1	P-457594	K1	P-456235

Cautions:

- (1) F type hand sets should not be used in station circuits having a d-c path through the receiver unless specified as the HA1 receiver is adversely affected by d-c flowing through it.
- (2) F type hand sets used at sidetone stations should be equipped with a 129F condenser to prevent packing. This condenser is bridged across the transmitter unit and mounted beneath the transmitter contact springs. The 129F condenser may be required at anti-sidetone stations adjacent to radio broadcasting stations to prevent interference from the radio transmitter. F1A hand sets used with 332 and 334 type telephone sets also require the 129F condenser.