

## HANDSETS

### F-SERIES

## IDENTIFICATION, MAINTENANCE, AND CONNECTIONS

### 1. GENERAL

1.01 This section is reissued to show all F1-, F2-, and F3-type handsets and handset handles MD except the F1E-3.

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

### 2. IDENTIFICATION

2.01 The F-series handset (Fig. 1) is a black, phenolic-plastic handset. Table A lists the F-series handsets, component parts, and principal uses.

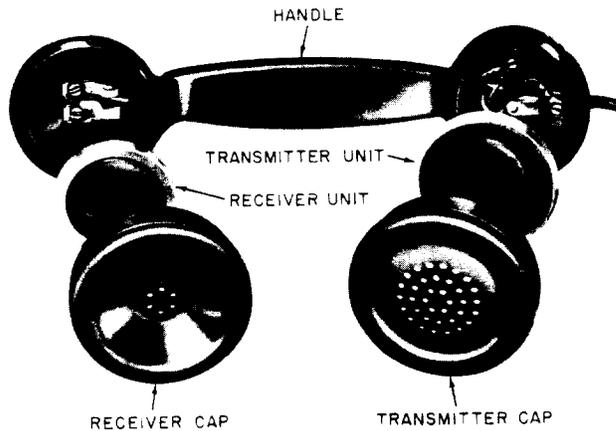


Fig. 1—F Series Handset

#### F1-TYPE HANDSET

2.02 General use handsets equipped with three conductor cords.

#### F6-TYPE HANDSET

2.03 Explosion-proof handsets for use with telephone sets in hazardous locations. Each handset, with cord and bushing, is a factory assembled unit.



*Explosion-proof handsets, F6AR, F6BR, and F6CR are listed by UNDERWRITERS LABORATORIES, INC for use in hazardous locations. Handset cord is attached to the telephone set by a bushing designed to confine any possible burning gases to the interior of the telephone set. At least five threads of the threaded bushings must engage threads in the set housing. Review section on explosive atmospheres before doing any work involving these handsets.*

2.04 The bushings used with these handsets are shown in Fig. 2 and 3.

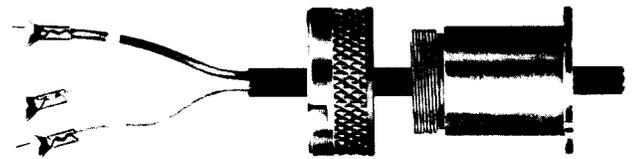


Fig. 2—Sleeve Bushing of F6AR or F6CR Handset

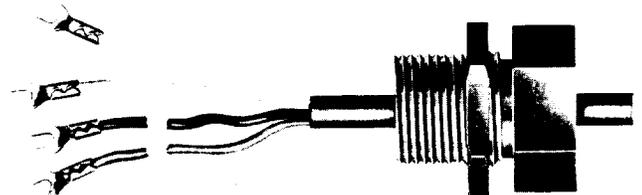


Fig. 3—Threaded Bushing of F6BR Handset

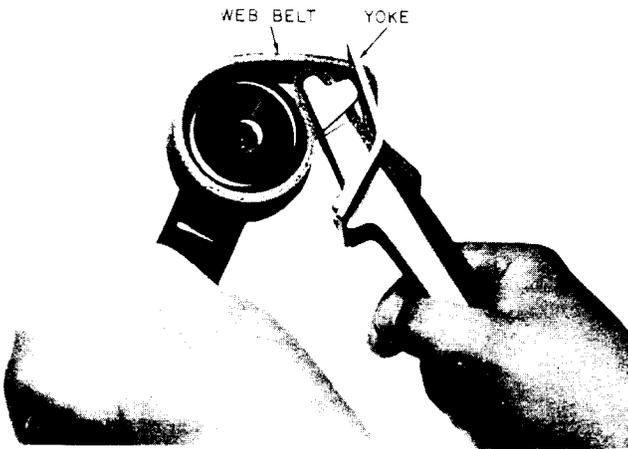
**LOCKING DEVICES FOR F-SERIES HANDSETS**

**2.05** Locking devices are available for use where repeated loss of transmitter or receiver caps or units is experienced. A KS-14200 lock can be used on the transmitter end of the handle and a 24A (MD) lock can be used on the receiver end.

**2.06** Use a 514-type tool (Fig. 4) to tighten caps when installing locking devices.



*Avoid excessive pressure when using the 514-type tool to prevent stripping or breaking handset threads.*

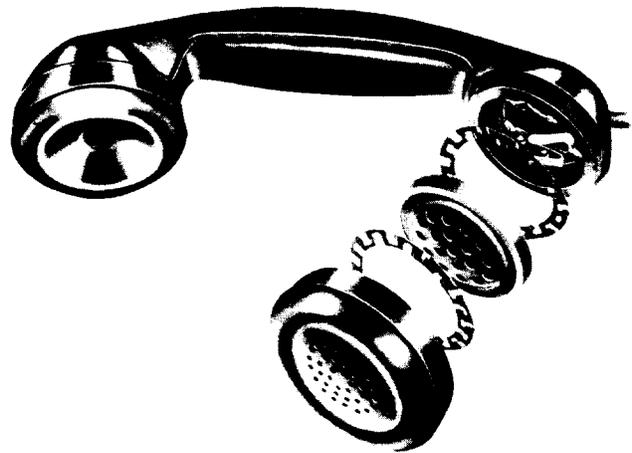


**Fig. 4—Correct Positioning of 514-Type Tool**

**2.07** To install KS-14200 lock:

- (1) Place one lock in inverted transmitter cap.
- (2) Place transmitter unit in cap (normal position).
- (3) Place second lock on transmitter unit.
- (4) Assemble on handle as shown in Fig. 5. Tighten with 514-type tool.

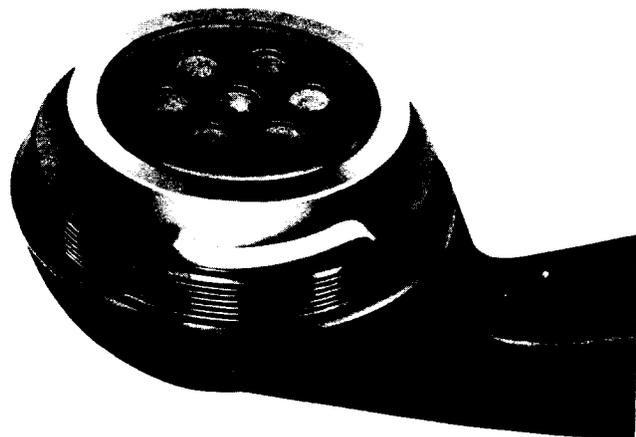
**Note:** If difficulty is encountered when starting transmitter cap threads, put one ring under transmitter and tighten securely. This will compress ring. Remove transmitter cap and place other ring.



**Fig. 5—KS-14200 Lock, Order of Assembly**

**2.08** To install 24A (MD) lock:

- (1) Remove receiver cap.
- (2) Place lock on rim of bowl (Fig. 6).
- (3) Replace cap and tighten with 514-type tool.



**Fig. 6—24A Lock (MD) on Receiver Bowl**

### 3. MAINTENANCE

**3.01** Maintenance of F1-type handset consists of the following:

- Replacing cracked or broken receiver and transmitter caps
- Replacing defective receiver and transmitter units
- Cleaning with water-dampened cloth
- Replacing defective cords.

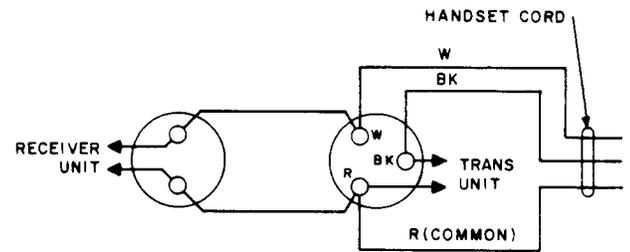
**3.02** To replace handset cord:

- (1) Remove transmitter cap and transmitter unit.
- (2) Disconnect old cord at terminals in transmitter bowl and remove.
- (3) Insert new cord conductors through hole in handle and seat grommet properly. Secure cord to handle with wing-band stay hook.
- (4) Connect spade-tipped leads as shown in schematic diagrams.
- (5) Replace transmitter unit and cap.

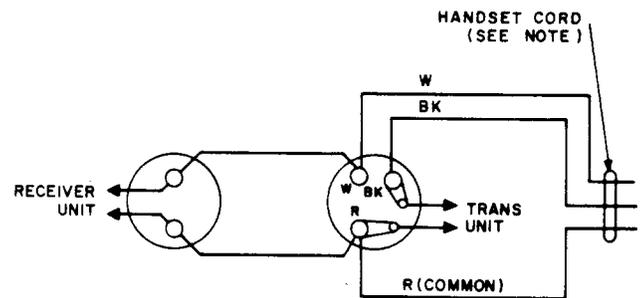
**3.03** Maintenance of F6-type handsets is limited to cleaning with a water-dampened cloth and replacement of transmitter and receiver caps. Replace handset if any other part is defective.

### 4. CONNECTIONS

**4.01** Fig. 7, 8, and 9 show internal connections for the F-series handsets.



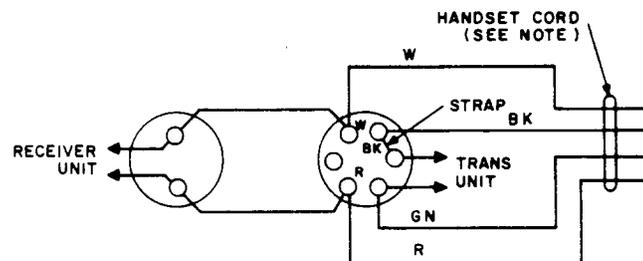
**Fig. 7—F1E, Handset**



NOTE:

CORD NOT REPLACEABLE IN FIELD.

**Fig. 8—F6AR and F6CR Handsets**



NOTE:

CORD NOT REPLACEABLE IN FIELD.

**Fig. 9—F6BR Handset**

TABLE A  
F-SERIES HANDSETS

HANDSET	REPLACEABLE COMPONENTS						SCHEM FIG. NO.	PRINCIPAL USE
	HANDLE	CORD	TRMTR UNIT	TRMTR CAP	RCVR UNIT	RCVR CAP		
F1E-3	F1-3	H3N-9	F1	P-10E281	LA3	P-10E282	7	Elevator set, 322 type
F6AR-3	F6-3	H3AN-3	K1	P-456235	LA3	P-457594	8	320-type and KS-14548 explosion proof sets
F6BR-3	P-19A693	H4CF-3			HA9		9	KS-14548 and KS-14476 explosion proof sets
F6CR-3	F6-3	H3AN-3			HC8		8	Replaces F6AR-3 for use in long loop service