

RADIO SIGNAL SUPPRESSION IN TELEPHONE SETS

1. GENERAL

1.001 This addendum supplements Section 500-150-100, Issue 4.

1.002 This addendum is issued to add information on the 425J network.

3. SUPPRESSION DEVICES, IDENTIFICATION

The following change applies to Part 3 of the section:

- (a) 3.06 — added
- (b) Fig. 4A — added

3.06 425J Network:

- eliminates radio interference above AM broadcast band
- speech equalization varistors replaced by resistors and strapping option (H and J leads)

- can be used for rotary or TOUCH-TONE® dial applications

- upon request the local distributing house will:

- (a) install 425J network in any telset currently using 425B, E, or G network

- (b) install .02 μf capacitor across transmitter and receiver units

- (c) modify TOUCH-TONE dial if used

- orders should read as follows:

Set Tel - - - - -

Modified with 425J Network

- modified sets will not be recoded but will be stamped on bottom "MODIFIED WITH 425J NETWORK"

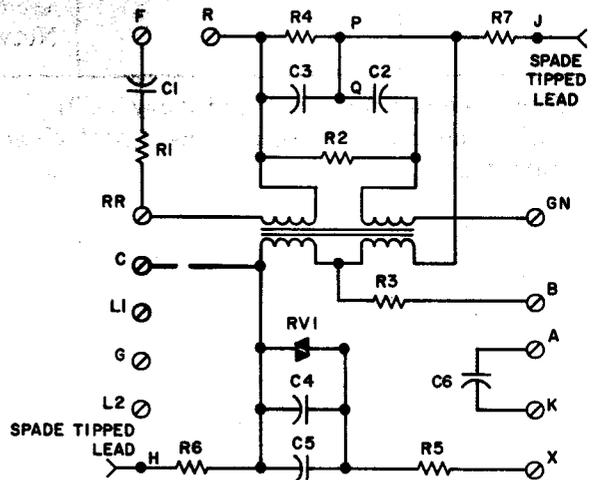
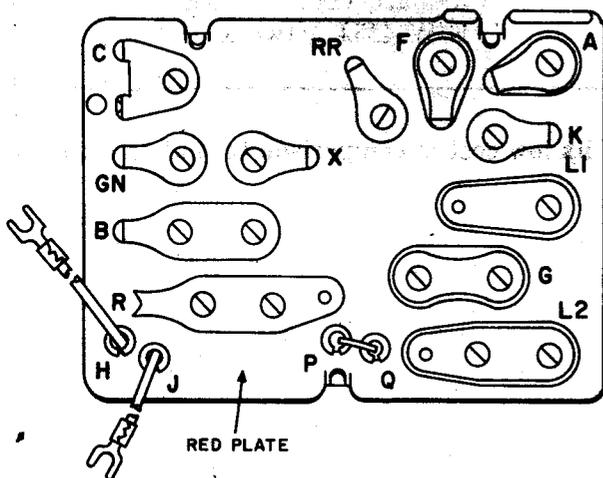


Fig. 4A — 425J Network and Schematic

4. SUPPRESSION DEVICES, INSTALLATION

The following change applies to Part 4 of the section:

(b) for loops 500 ohms or less connect "H" (yellow) and "J" (orange-black) leads to terminals RR and R respectively, on network

(a) 4.11 — added

(b) Part of Table A revised

4.11 Tel Sets Equipped with 425J Networks:

- installed in usual manner
- for connections see connection section of type set modified
- sets shipped with "H" and "J" leads taped and stored

- normal maintenance can be performed on tel sets equipped with 425J network with the exception of replacing TOUCH-TONE dial



TOUCH-TONE dial should not be modified in field. Complete set should be returned to distributing house.

(a) for loops greater than 500 ohms leave taped and stored

- when replacing handset for maintenance reasons be sure to install .02 μ f capacitor across transmitter and receiver units

TABLE A (Revised)
SUPPRESSION DEVICES FOR 300-, 500-, AND 700-TYPE TELEPHONE SETS

TELEPHONE SET	BAND		SUPPRESSION DEVICES (IN ORDER OF PROBABLE EFFECTIVENESS)		
			KS 13814, L7 Capacitor †	1542A-Type Inductor *	40 BA Capacitor
500 Type	Low frequency (broadcast) 550 to 1600 kc		KS 13814, L7 Capacitor †	1542A-Type Inductor *	40 BA Capacitor
	High frequency (amateur) 1800 kc and higher	Sets not E/W 425 B,E, or G Network	KS 13814, L7 Capacitor † Fig. 9 and 11	40 BA Capacitor	
		Sets E/W 425 B,E, or G Network	Replace with Tel Set E/W 425J network		

* Available in gray (-49) and ivory (-50)

† This capacitor is suggested as a first choice because of its low cost in comparison to that of a 1542A inductor