

CAPACITORS

1.00 GENERAL

This section gives general information pertaining to the capacitors commonly used in connection with station apparatus. Table A lists these capacitors and gives their rated capacity in microfarads (uf). When it is necessary to know the capacitance between terminals on multiple capacitors, refer to that column in Table A.

TABLE A

CAPACITORS COMMONLY USED IN CONNECTION WITH STATION APPARATUS

Capacitor Code Number	Capacitor Marked uf	Remarks	Capacitance Between Term.			
			A	B	C	See Fig.
40BA	0.25 + 0.25 + 0.25 + 0.25	Four No. 442B capacitors mounted in two groups on a wooden base. Intended to suppress radio interference in telephone sets.				
129A	0.006	Intended for use as part of the 6030A key.				
129E	0.006	Intended for use as a bypass capacitor to be bridged across desk-stand type transmitters to prevent detection of radio signal.				
129F	0.006	Intended to be connected directly across carbon button of B2 and similar transmitter units to prevent detection of radio signal.				
147A	2.00	Used in subscriber sets.	447A			
147B	1.00 + 1.00		447B	1.00	1.00	1
147C	1.00 + 1.00		447B	1.00	1.00	2
147D	1.00 + 0.50		447D	1.00	0.50	2
147E	2.00 + 0.04		447G	2.00	0.04	1
147AB	2.00		447A			
149A	1.00		449A			
149B	0.50		449B			
149C	0.10		449C			
149D	0.65		449D			
149E	1.00		449E			
149F	0.65		449F			
149G	0.04		449J			
152A	0.085	Used to eliminate radio interference caused by pulse contacts of dial and in telephone set associated with P1 carrier system.				

CAPACITORS COMMONLY USED IN CONNECTION WITH STATION APPARATUS

Capacitor Code Number	Capacitor Marked	Remarks			Capacitance Between Term.			
	uf				A	B	C	See Fig.
					uf			
194A	1.00 + 2.00	Used in subscriber sets.	Replaced by	447H	1.00	2.00		3
194B	0.50 + 2.00			447J	0.50	2.00		3
194C	1.00 + 2.00			447L	1.00	2.00		4
194AB	1.00 + 2.00			447H	1.00	2.00		3
194BB	0.50 + 2.00			447J	0.50	2.00		3
194DB	0.50 + 2.00			447K	0.50	2.00		4
195A	2.00 + 0.50	For use in combined telephone sets.			2.00	0.50		5
195B*	2.00 + 0.50				2.00	0.50		6
195C	2.00							
198A	0.50	For use in the	592A subscriber set.					
198B	0.50		531-type subscriber set.					
198C	0.40		687A-3 subscriber set.					
387A	0.50 + 2.00 + 0.50	For use with 307- and 357-type telephone sets.			0.50	2.00	0.50	7
1147B	1.00 + 1.00	Used in subscriber sets.	Replaced by	447E	1.00	1.00		8
1147D	1.00 + 0.50			447F	1.00	0.50		9
1149A	1.00			449G				
1149B	0.50			449H				
447A	2.00	Replaces	147A and 147AB					
447B	1.00 + 1.00		147B		1.00	1.00		10
447D	1.00 + 0.50		147D		1.00	0.50		11
447E	1.00 + 1.00		1147B		1.00	1.00		12
447F	1.00 + 0.50		1147D		1.00	0.50		13
447G	0.04 + 2.00		147E		0.04	2.00		10
447H	2.00 + 1.00	With P-13A176 adapter replaces	194A and 194AB		2.00	1.00		10
447J	2.00 + 0.50		194B and 194BB		2.00	0.50		10
447K	2.00 + 0.50		194DB		2.00	0.50		14
447L	2.00 + 1.00		194C		2.00	1.00		14
449A	1.00	Replaces	149A					
449B	0.50		149B					
449C	0.10							
449D	0.65		149D					
449E	1.00		149E					
449F	0.65		149F					
449G	1.00		1149A					
449H	0.50		1149B					
449J	0.04		149G					
452A	3.4	Replaced by 452B.						
452B	3.4	For use in 191-type coin collectors.						
452C	2.00	For use in 181, 182, 183, 191, 193, and 195-type coin collectors.						
548A	0.40	For use in the E1A ringer.						
KS-13814, L7	0.02	Eliminating high frequency inter- ference in 500-type telephone sets.						
KS-16023	1.00	Converting 306-type telephone sets for use with individual lines and 2-party service.						

* The *SL-R* lead found on 195B capacitors is connected to the capacitor case. This is to prevent excessive crosstalk in key telephone sets when the ringer is connected to one line and the induction coil to another. Connect the *SL-R* lead to the ring side of the line to which the ringer is connected.

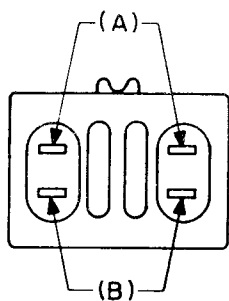


Fig. 1

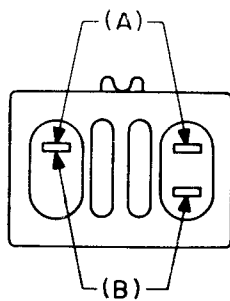


Fig. 2

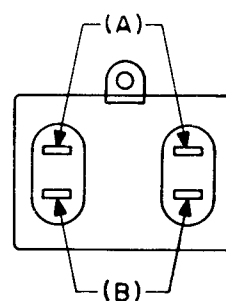


Fig. 3

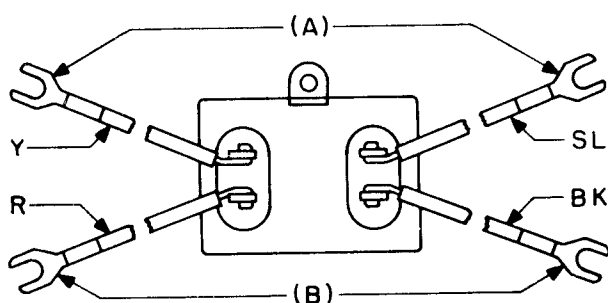


Fig. 4

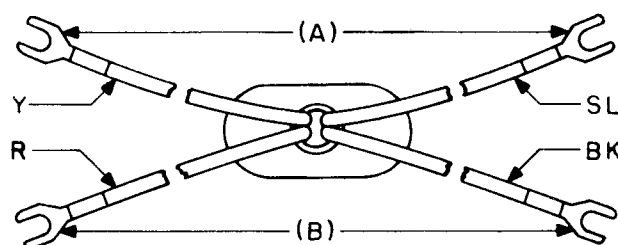


Fig. 5

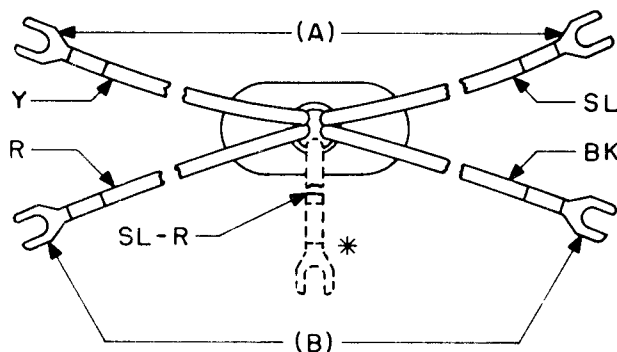


Fig. 6

* The *SL-R* lead found on 195B capacitors is connected to the capacitor case. This is to prevent excessive crosstalk in key telephone sets when the ringer is connected to one line and the induction coil to another. Connect the *SL-R* lead to the ring side of the line to which the ringer is connected.

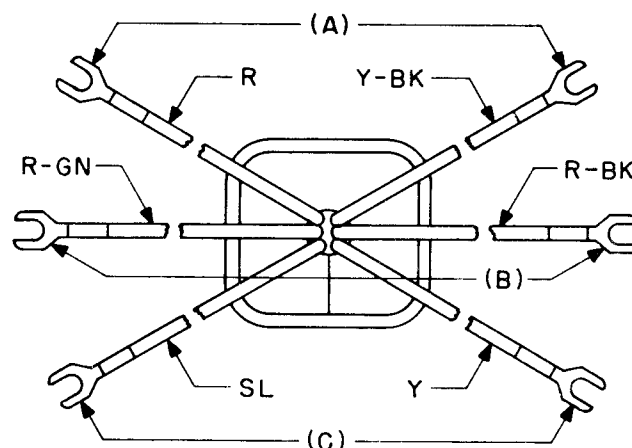


Fig. 7

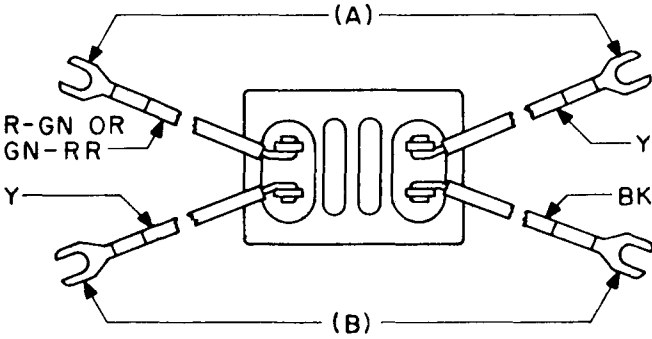


Fig. 8

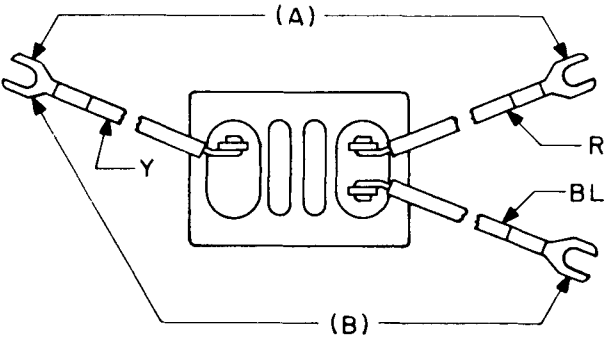


Fig. 9

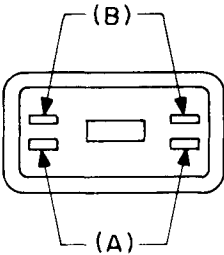


Fig. 10

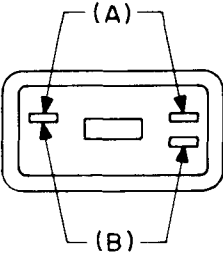


Fig. 11

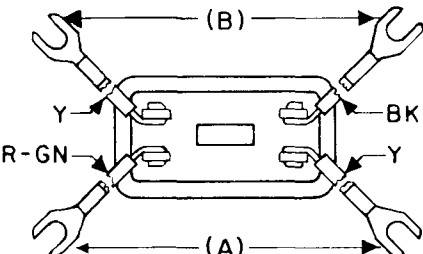


Fig. 12

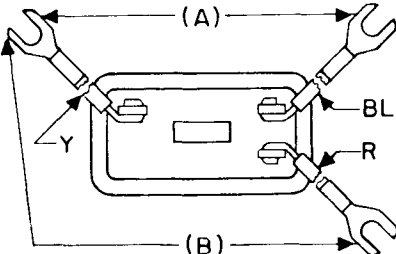


Fig. 13

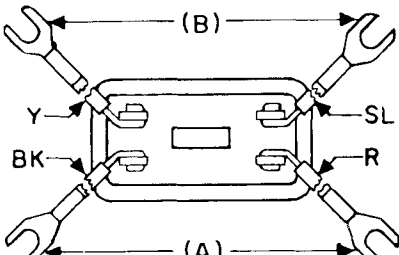


Fig. 14