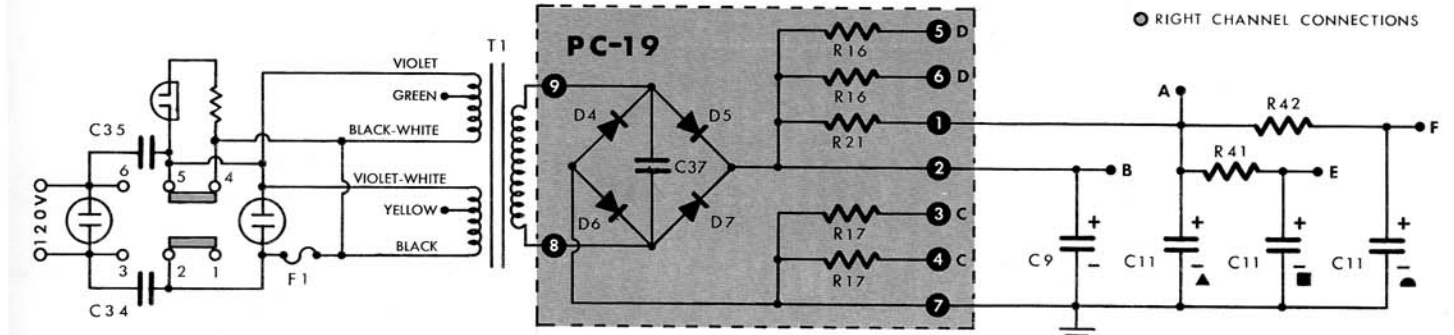
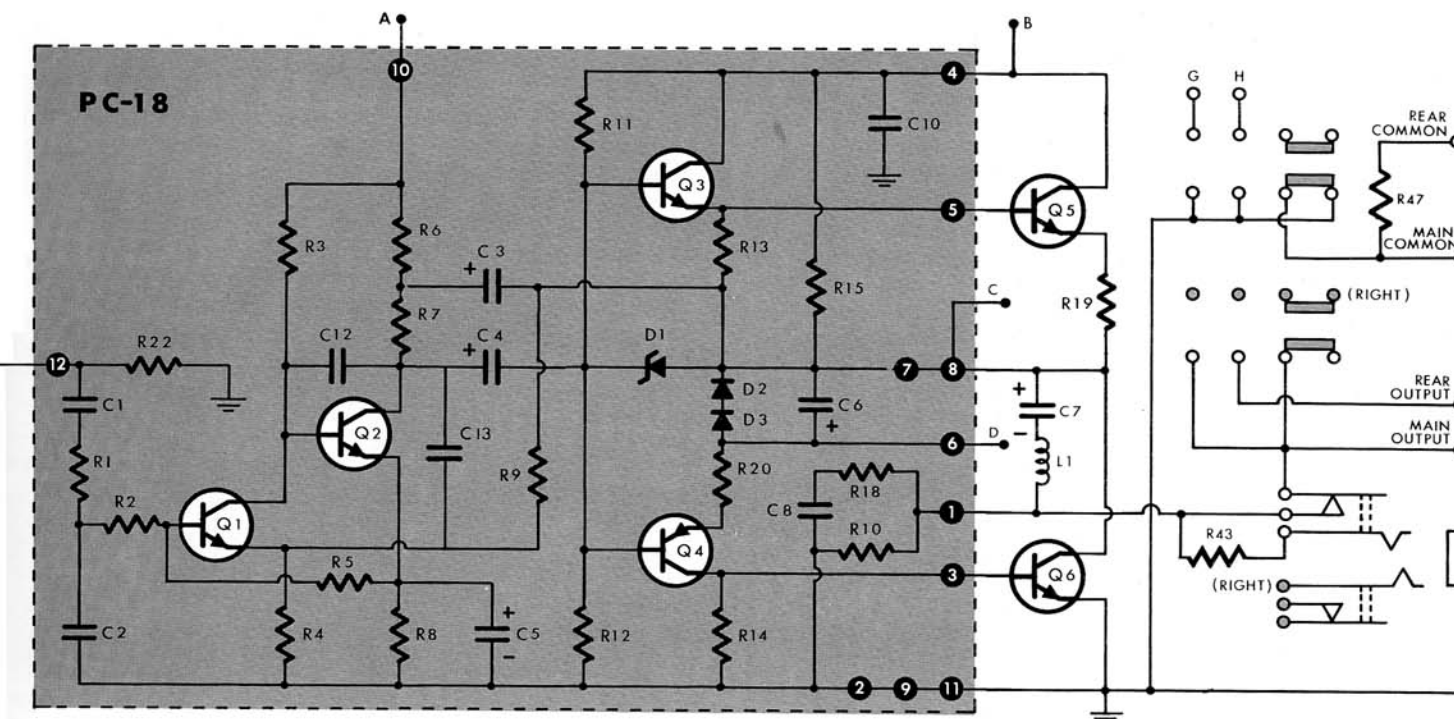


ALL WIRING NOT SHOWN FOR THE RIGHT CHANNEL IS THE SAME AS THE LEFT CHANNEL, WHICH IS SHOWN. RESISTOR AND CAPACITOR NUMBERS ARE THE SAME FOR THE PARTS ON BOTH CHANNELS.



VOLTAGE TEST POINTS

Measured with VTVM (TVM) at rated AC line voltage, 8 ohm load, shorted input. All voltages are DC unless specified AC. Voltages not shown are not significant for servicing purposes, as they may vary widely with different transistors and still be normal. Transistor lead voltages shown may vary $\pm 20\%$ or more. Other points should be within $\pm 10\%$.

PC-18	PC-19	Q7	Q8	Q9	Q10
#1 0	#1 71				
#2 0	#2 74	E .1	.8	.3	1.2
#3 <0.5	#3 36	B .7	1.5	.94	1.8
#4 74	#4 36	C 1.5	10	1.8	9.4
#5 37.5	#5 37.5				
#6 37.5	#6 37.5				
#7 36	#7 0				
#8 36	#8 } 54 AC*				
#9 0	#9 } 54 AC*				
#10 71					
#11 0					
#12 0					

*Measured between eyelets

Capacitor C-11

▲	71
■	24
●	17.5

All resistors are 1/2 watt, 5% unless otherwise indicated.

RESISTOR	VALUE	PART #	RESISTOR	VALUE	PART #	CAPACITOR	VALUE	PART #
R 1	4,700 ohms	113472	R30	330 ohms	113331	C11	700 mfd @ 75v.	113563
R 2	4,700 ohms	113472	R31	120 ohms	113121		700 mfd @ 60v.	113121
R 3	30,000 ohms	113303	R32	330 ohms	113331		800 mfd @ 20v.	294228
R 4	150 ohms	113151	R33	33,000 ohms	113333	C13	27 pf	244271
R 5	100,000 ohms	113104	R34	3,300 ohms	113332	C14	5 mfd, 15v.	283505
R 6	1,000 ohms	113102	R35	4,700 ohms	113472	C15	0.01 mfd, 5%	265103
R 7	1,500 ohms	113152	R36	390 ohms	113391	C16	3300 pf, 5%	265332
R 8	330 ohms	113331	R37	120,000 ohms	113124	C17	0.022 mfd	265223
R 9	2,200 ohms, 1 watt	116222	R38	270 ohms	113271	C18	5 mfd, 15v.	283505
R10	1,000 ohms	113102	R39	4,700 ohms	113472	C19	100 pf, 5%	245101
R11	10,000 ohms	113103	R40	68 ohms, 10%	112680	C20	50 mfd, 25v.	283516
R12	10,000 ohms	113103	R41	4,700 ohms	113472	C21	0.015 mfd, 5%	265153
R13	68 ohms	103680	R42	10,000 ohms	113103	C22	0.056 mfd, 5%	265563
R14	68 ohms	103680	R43	120 ohms	113121	C23	100 mfd, 2v.	281107
R15	2,200 ohms, 1 watt	116222	R44	47,000 ohms	113473	C24	50 mfd, 25v.	283516
R16	400 ohms, 7 watt, 5%	120401	R45	10,000 ohms	113103	C25	0.33 mfd	263334
R17	400 ohms, 7 watt, 5%	120401	R46	10,000 ohms	113103	C26	220 pf	245221
R18	4.7 ohms, 1 watt, 10%	125040	R47	10 ohms, 10 watt, 10%	120100	C27	50 mfd, 25v.	283516
R19	0.47 ohms, 2 watt, 10%	128004	C 1	0.33 mfd	263334	C28	500 mfd, 2v.	281507
R20	3.3 ohms	103030	C 2	220 pf	245221	C29	0.068 mfd	265683
R21	68 ohms	103680	C 3	35 mfd, 30v., non-pol.	283366	C30	0.1 mfd, 5%	269104
R22	10,000 ohms	113103	C 4	35 mfd, 30v., non-pol.	283366	C31	0.015 mfd, 5%	265153
R23	8,200 ohms	113822	C 5	500 mfd, 15v.	283507	C32	0.22 mfd	265224
R24	18,000 ohms	113183	C 6	0.47 mfd, 100v., non-pol.	264474	C33	27 pf	244271
R25	4,700 ohms	113472	C 7	5000 mfd, 80v.	284508	C34	0.02 mfd	227203
R26	33,000 ohms	113333	C 8	0.1 mfd, 100v.	264104	C35	0.02 mfd	227203
R27	3,300 ohms	113332	C 9	5000 mfd, 80v.	284508	C36	0.01 mfd	244104
R28	47,000 ohms	113473	C10	0.01 mfd, 100v.	244104	C37	0.01 mfd disc, 500v.	228103
R29	4,700 ohms	113472	C12	68 pf	237680			

FUSE	VALUE	PART #	CONTROL	VALUE	PART #
F 1	Fuse, 2 amp slo-blo	342020	Volume control	250,000 ohms tapped	177254
F 2	Fuse, 1 amp slo-blo (alternate)	342010	Balance control	220,000 ohms special	167224
L 1	114 inches of #16 insulated wire	319913	Bass control	50,000 ohms special	167514
T 1	Dynaco power transformer 10490E	464019	Treble control	40,000 ohms special	167404
D 1	zener diode, 5.1 volt, 5%, 400 mw	540405			
D 2	silicon diode, 0.8 volt max. drop @ 140 ma.	544015			
D 3	silicon diode, 0.8 volt max. drop @ 140 ma.	544015			
D 4	silicon diode, 3 amperes, 200 prv.	544322			
D 5	silicon diode, 3 amperes, 200 prv.	544322			
D 6	silicon diode, 3 amperes, 200 prv.	544322			
D 7	silicon diode, 3 amperes, 200 prv.	544322			
Q 1	BC108A 170-260 Beta @ 2 ma	572108			
Q 2	2N5320 140-260 Beta, 90 V, r=5K Ω @ 50 ma	572002			
Q 3	TIP31C	577031			
Q 4	TIP32C	567032			
Q 5	2N3772/571844, 40-90 Beta @ 1 A	338-1			
Q 6	2N3772/571844 Red Dot, 60-90 Beta @ 1 A	338-2			
Q 7	BC109B 240-500 Beta @ 5 volts, 2 ma	572109			
Q 8	BC109B 240-500 Beta @ 5 volts, 2 ma	572109			
Q 9	BC109B 240-500 Beta @ 5 volts, 2 ma	572109			
Q 10	BC109B 240-500 Beta @ 5 volts, 2 ma	572109			

