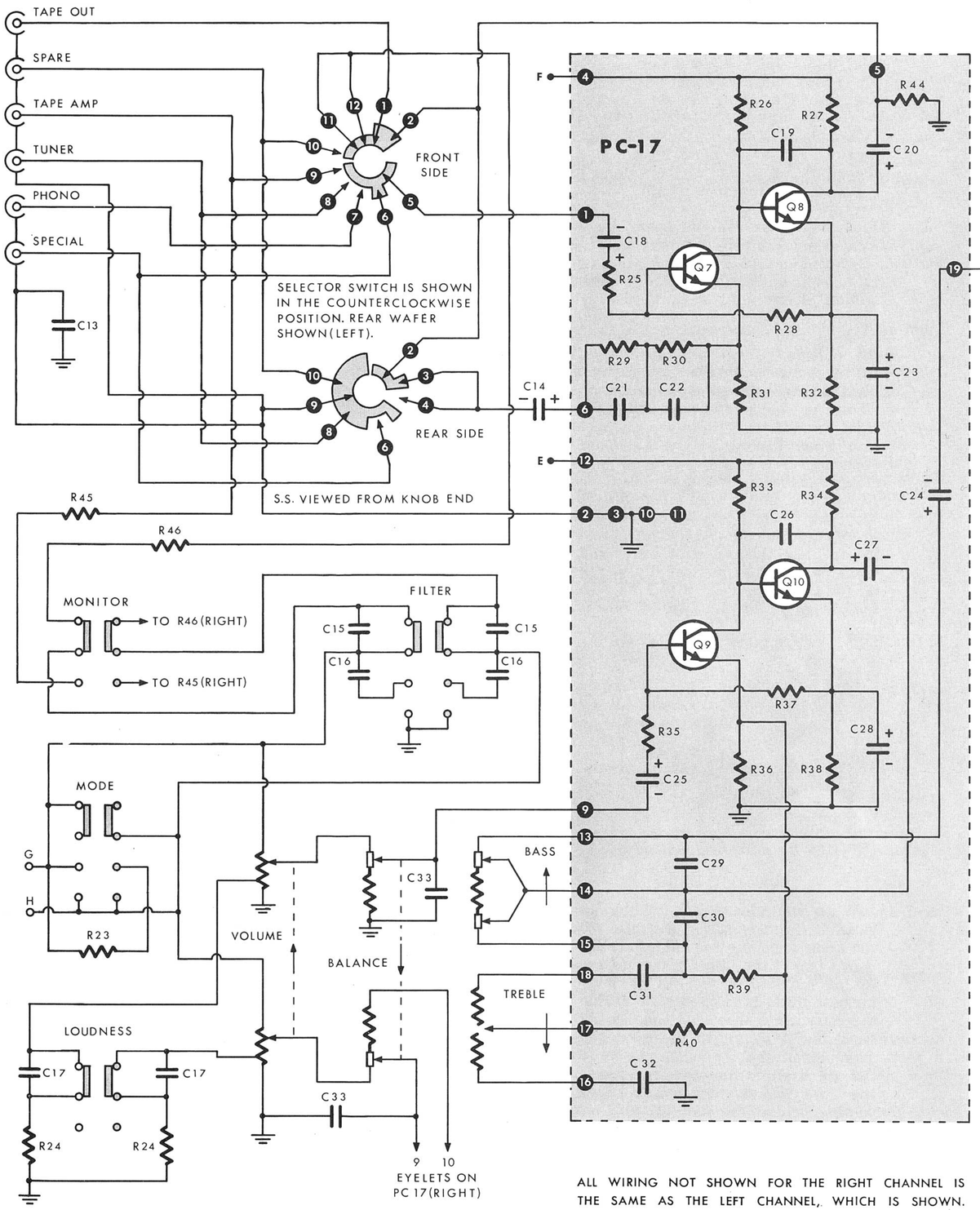
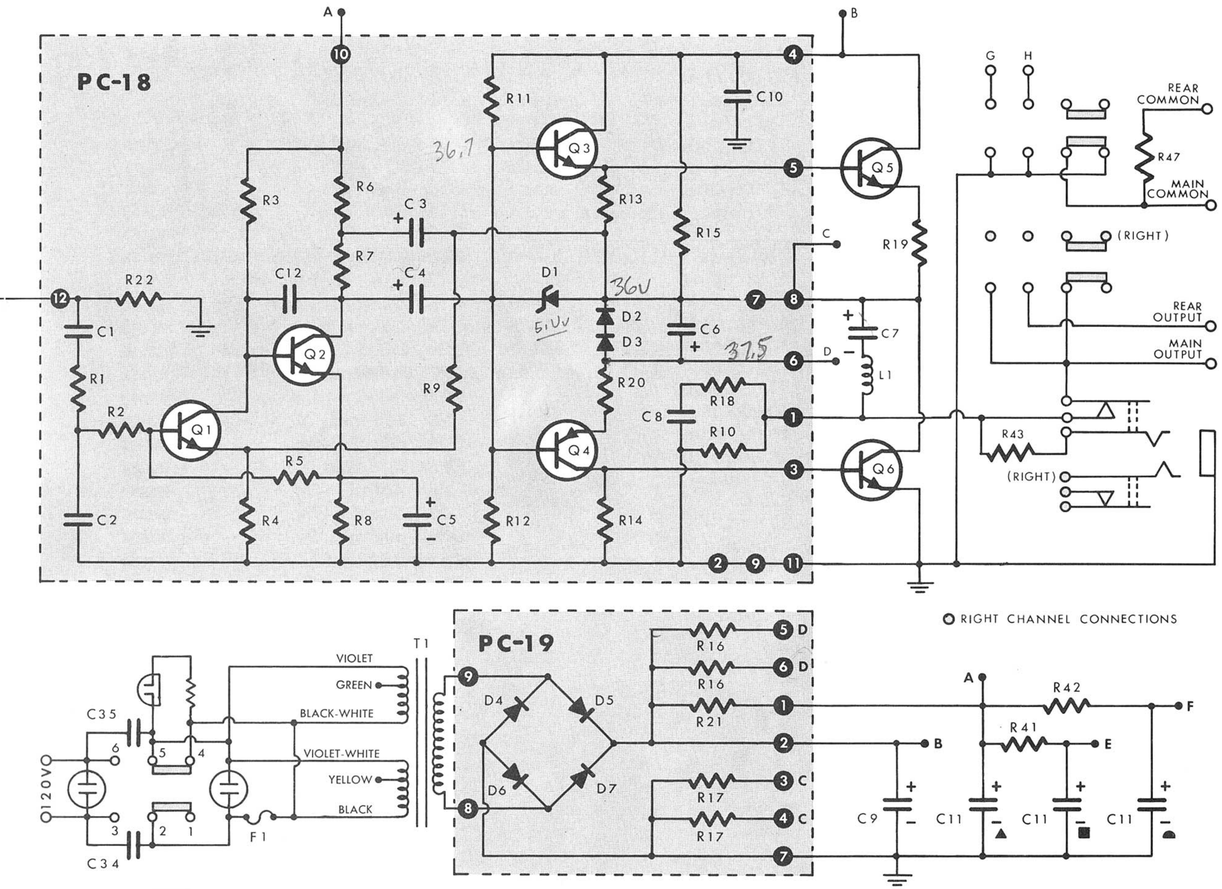


ALL WIRING NOT SHOWN FOR THE RIGHT CHANNEL IS THE SAME AS THE LEFT CHANNEL, WHICH IS SHOWN.

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 ±20% or more. Other points should be within ±10%.

PC-18	
#1	0
#2	0
#3	<0.5
#4	74
#5	36.5
#6	37.5 } 1.4 to
#7	36 } 1.6*
#8	36
#9	0
#10	71
#11	0
#12	0

PC-19	
#1	71
#2	74
#3	36
#4	36
#5	37.5
#6	37.5
#7	0
#8 }	54 AC*
#9 }	

*Measured between eyelets

	Q7	*Q8*	*Q9*	*Q10*
E	.1	.8	.3	1.2
B	.7	1.5	.94	1.8
C	1.5	10	1.8	9.4

Capacitor C-11

▲ 71

■ 24

◗ 17.5

Dynaco SCA-80Q

SCHEMATIC DIAGRAM

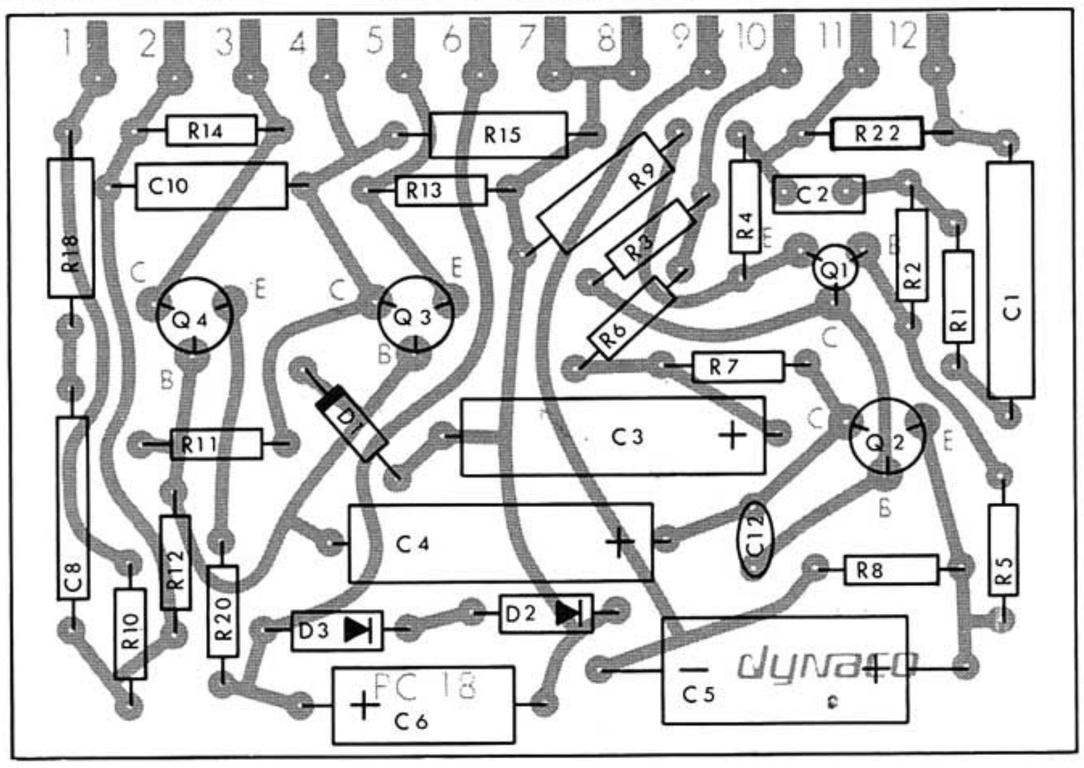
COMPONENT VALUES

All resistors are ½ watt, 5% unless otherwise indicated.

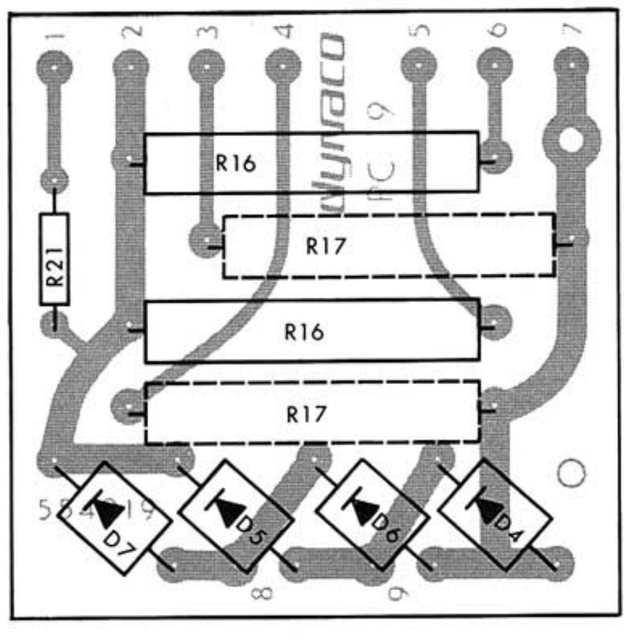
		PART #
R 1	4,700 ohms	113472
R 2	4,700 ohms	113472
R 3	27,000 ohms	113273
R 4	150 ohms	113151
R 5	100,000 ohms	113104
R 6	1,000 ohms	113102
R 7	1,500 ohms	113152
R 8	330 ohms	113331
R 9	2,200 ohms, 1 watt	116222
R10	1,000 ohms	113102
R11	10,000 ohms	113103
R12	10,000 ohms	113103
R13	68 ohms	103680
R14	68 ohms	103680
R15	2,200 ohms, 1 watt	116222
R16	400 ohms, 7 watt, 5%	120401
R17	400 ohms, 7 watt, 5%	120401
R18	4.7 ohms, 1 watt, 10%	125040
R19	0.47 ohms, 2 watt, 10%	128004
R20	3.3 ohms	103030
R21	68 ohms	103680
R22	10,000 ohms	113103
R23	8,200 ohms	113822
R24	18,000 ohms	113183
R25	4,700 ohms	113472
R26	33,000 ohms	113333
R27	3,300 ohms	113332
R28	47,000 ohms	113473
R29	4,700 ohms	113472
R30	56,000 ohms	113563
R31	120 ohms	113121
R32	330 ohms	113331
R33	33,000 ohms	113333
R34	3,300 ohms	113332
R35	4,700 ohms	113472
R36	390 ohms	113391
R37	120,000 ohms	113124
R38	270 ohms	113271
R39	4,700 ohms	113472
R40	68 ohms, 10%	112680
R41	4,700 ohms	113472
R42	10,000 ohms	113103
R43	120 ohms	113121
R44	47,000 ohms	113473
R45	10,000 ohms	113103
R46	10,000 ohms	113103
R47	10 ohms, 10 watt, 10%	120100
C 1	0.33 mfd	263334
C 2	220 pf	245221
C 3	35 mfd, 30v., non-polarized	283366
C 4	35 mfd, 30v., non-pol.	283366
C 5	500 mfd, 15v.	283507
C 6	50 mfd, 10v., non-polarized	282506
C 7	5000 mfd, 80v.	284508
C 8	0.1 mfd	264104
C 9	5000 mfd, 80v.	284508
C10	0.01 mfd, 100v.	244104
C11	700 mfd @ 75v. ▲	
	700 mfd @ 60v. ■	
	800 mfd @ 20v. ●	294228
C12	27 pf	244271
C13	0.01 mfd	244104
C14	5 mfd, 15v.	283505
C15	0.01 mfd, 5%	265103
C16	3300 pf, 5%	265332
C17	0.022 mfd	265223
C18	5 mfd, 15v.	283505
C19	100 pf, 5%	245101
C20	50 mfd, 25v.	283516
C21	0.015 mfd, 5%	265153
C22	0.056 mfd, 5%	265563
C23	100 mfd, 2v.	281107
C24	50 mfd, 25v.	283516
C25	0.33 mfd	263334
C26	220 pf	245221
C27	50 mfd, 25v.	283516
C28	500 mfd, 2v.	281507
C29	0.068 mfd	265683
C30	0.1 mfd	264104
C31	0.015 mfd, 5%	265153
C32	0.22 mfd	265224
C33	27 pf	244271
C34	0.02 mfd	227203
C35	0.02 mfd	227203

		PART #
F 1	Fuse, 2 amp slo-blo	342020
F 2	Fuse, 1 amp slo-blo (alternate)	342010
L 1	114 inches of #16 insulated wire	319913
T 1	Dynaco power transformer 10490E	464019
D 1	zener diode, 5.1 volt, 5%, 400 mw	540405
D 2	silicon diode, 0.8 volt max. drop @ 100 ma.	544015
D 3	silicon diode, 0.8 volt max. drop @ 100 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	572108
Q 2	2N5320 140-260 Beta, 90 V_{cer}, r=5KΩ	572002
Q 3	2N5320 100-200 Beta, 90 V_{cer}, r=5KΩ	572001
Q 4	2N5322 100-160 Beta, 90 V_{cer}, r=5KΩ	562671
Q 5	2N3772 40-90 Beta @ 1 A, 100 V_{cer}, r=100Ω	571844
Q 6	2N3772 40-90 Beta @ 1 A, 100 V_{cer}, r=100Ω	571844
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

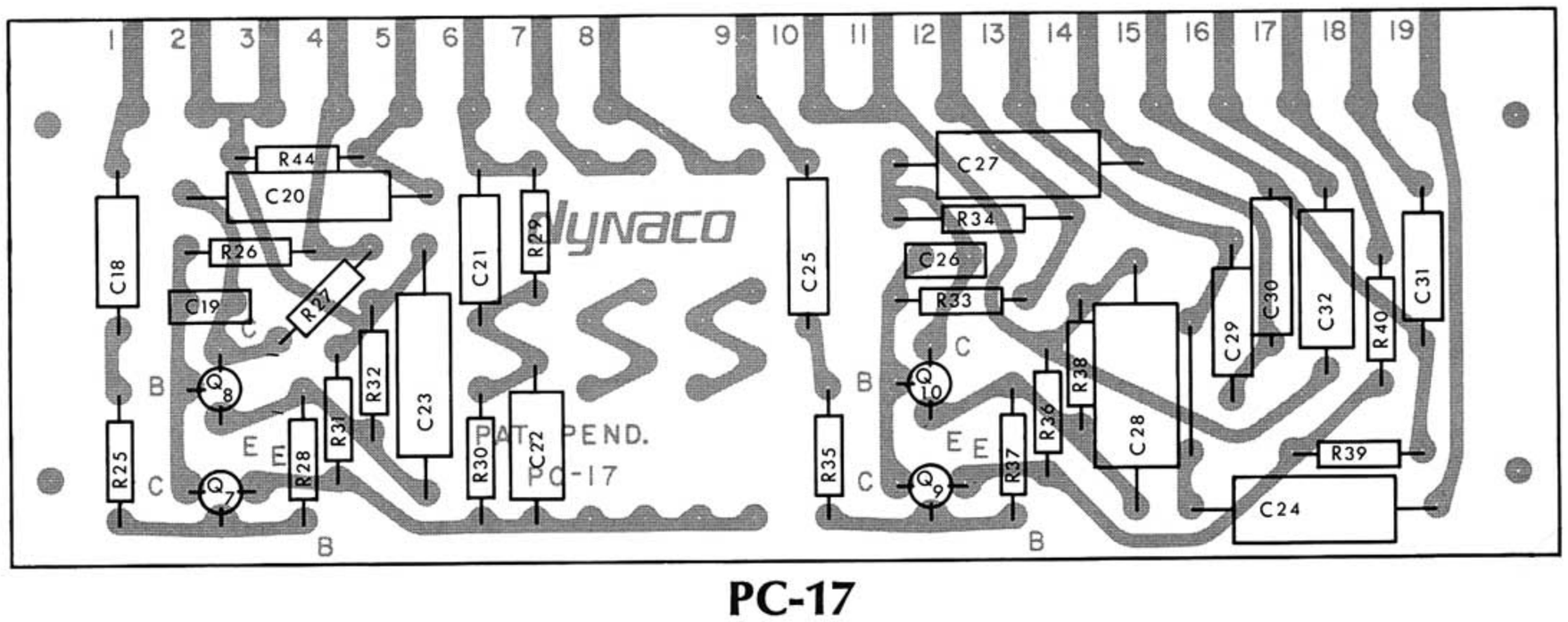
		PART #
Volume control	250,000 ohms tapped	177254
Balance control	220,000 ohms special	167224
Bass control	50,000 ohms special	167514
Treble control	40,000 ohms special	167404



PC-18



PC-19



PC-17