

MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST

①

Schem. Rif.	Circuit	Type	Part Code
<u>CHASSIS</u>	<u>POWER SUPPLY (DWG 1 /SE 248)</u>		<u>8000/1124741</u>
I.C. 0	Series Stabilizer.....	uA 7805 KC.....	W/1214
Do1+Do3	Rectifier Bridge.....	B 80 C 3700/2200.....	B/1209
<u>PA 729</u>	<u>VOLTAGE REGULATOR BOARD (DWG 1 /SE 248)</u>		<u>6879/1124741</u>
IC.b1-IC.b2	Stabilizer (+15V ;+12V)....	uA 78 MG.....	W/1219
IC.b3-IC.b4	Stabilizer (-15V ;-12V)....	uA 79 MG.....	W/1220
<u>PA 606</u>	<u>POWER AMPLIFIER (DWG 8 /SE 248)</u>		<u>6735/1124711</u>
Q 4	Preamplifier.....	BC 154.....	W/1500
Q 5	Driver Amplifier.....	BC 207 A-B.....	W/1401
Q 6	Temperature Compensator....	BC 107 A-B.....	W/1403
Q7 - Q8	Power Darlington.....	PHILIPS BDX 62-63..... MOTOROLA M J 900-1000..	W/2202
<u>PA 732</u>	<u>MIXER MAIN-MIKE (DWG 1 /SE 248)</u>		<u>6848/1124723</u>
Qi1	Mike Preamplifier.....	BC 209 - B red dot.....	W/1413
Qi2	Mixer Preamplifier.....	BC 209 - B red dot.....	W/1415
Qi3	Mixer Preamplifier.....	BC 154.....	W/1500
<u>PA 728</u>	<u>U.M. KEYSWITCHES (DWG 2 /SE 248)</u>		<u>6882/1124741</u>
Q1+Q49	Switches.....	BC 154.....	W/1500
D1+D298	Diodes.....	BA 130.....	B/1003-B/1000
<u>PA 731</u>	<u>L.M. KEYSWITCHES (DWG 2 /SE 248)</u>		<u>6881/1124741</u>
D1+D27	Diodes.....	BA 130.....	B/1003-B/1000
<u>PA 525</u>	<u>MEMORY CHORDS (DWG 2 /SE 248)</u>		<u>6660/1124621</u>
D1+D81	Diodes.....	BA 130.....	B/1003-B/1000
<u>PA 711</u>	<u>U.M. GATES (DWG 2 /SE 248)</u>		<u>6864/1124741</u>
IC.1+IC.11	Frequency Dividers.....	SA 1005.....	W/1114

MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST

2

Schem.Rif.	Circuit	Type	Part Code
<u>PA 705/2</u>	<u>GATE MODULE (DWG 2 /SE 248)</u>		<u>6870/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
Q 1	Switch.....	BC 209 - B.....	W/1407
D1-D2	Diodes.....	D 525 B.....	B/1000
<u>PA 706/2</u>	<u>GATE MODULE (DWG 2 /SE 248)</u>		<u>6873/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
D 1	Diode.....	D 525 B.....	B/1000
<u>PA 708</u>	<u>GATE MODULE (DWG 2 /SE 248)</u>		<u>6875/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
D 1	Diode.....	D 525 B.....	B/1000
<u>PA 707</u>	<u>GATE MODULE (DWG 2 /SE 248)</u>		<u>6874/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
D 1	Diode.....	D 525 B.....	B/1000
<u>PA 709</u>	<u>GATE MODULE (DWG 2 /SE 248)</u>		<u>6876/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
D 1	Diode.....	D 525 B.....	B/1000
<u>PA 712</u>	<u>L.M. GATES (DWG 2 /SE 248)</u>		<u>6862/1124741</u>
Q1-Q49	Switches.....	BC 154.....	W/1500
D1+D61	Diodes.....	BA 130.....	B/1003-B/1000
<u>PA 714</u>	<u>ORCHESTRA (DWG 3 /SE 248)</u>		<u>6875/1124741</u>
D1+D61	Diodes.....	BA 130.....	B/1003-B/1000

MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST

3

Schem.Rif.	Circuit	Type	Part Code
<u>PA 705</u>	<u>GATE MODULE (DWG 3 /SE 248)</u>		<u>6868/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
Q 1	Switch.....	BC 209 B.....	W/1407
D 1	Diode.....	D 525 B.....	B/1000
<u>PA 705/1</u>	<u>GATE MODULE (DWG 3 /SE 248)</u>		<u>6869/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
Q 1	Switch.....	BC 209 - B.....	W/1407
D 1	Diode.....	D 525 B.....	B/1000
<u>PA 706</u>	<u>GATE MODULE (DWG 3 /SE 248)</u>		<u>6871/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
<u>PA 706/1</u>	<u>GATE MODULE (DWG 3 /SE 248)</u>		<u>6872/1124741</u>
I.C.1	Gate with 12 emitters.....	TDA 0470 D.....	W/1215
<u>PA 710</u>	<u>SHAPER GATE ENVELOPE (DWG 3 /SE 248)</u>		<u>6877/1124741</u>
D1+D12	Diodes.....	BA 130.....	B/1003
<u>PA 710/1</u>	<u>SHAPER GATE ENVELOPE (DWG 3 /SE 248)</u>		<u>6878/1124741</u>
D1+D12	Diodes.....	BA 130.....	B/1003
<u>PA 713</u>	<u>MIXER FLUTE-VIOLA L.M. (DWG 4 /SE 248)</u>		<u>6863/1124741</u>
IC.d1+IC.d3	Mixer.....	SN 72741 P.....	W/1210
Qd1+Qd17	Switches.....	BC 154.....	W/1500
<u>PA 749</u>	<u>MALE SOCKET (DWG 4 /SE 248)</u>		<u>6895/1124741</u>
Q 1	Buffer.....	BC 209 - B.....	W/1407



MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST

4

Schem. Rif.	Circuit	Type	Part Code
<u>PA 446/1</u>	<u>EASYCHORD MEMORY (DWG 4 /SE 248)</u>		<u>6894/1124741</u>
IC aa 1	Gate with 10 emitters.....	TDA 0470.....	W/1207
IC aa 2	Frequency Divider.....	AY-1-5050..... SFF 5002 E.....	W/1100 W/1101
Z aa 1	Voltage Reference-Zener Diode (5,6 V - 400mW)	ZPD 5,6..... 1 N 752 A.....	B/1309
D aa 1	Matrix Diode.....	D 525 A or B.....	B/1000-B/1001
D aa 2	Diode.....		
D aa 3	Threshold Diode.....		
<u>PA 715</u>	<u>L.M. FLUTE FILTERS (DWG 4 /SE 248)</u>		<u>6866/1124741</u>
Qf1+Qf12	Flute Filters.....	BC 209 B red dot..... BC 239 B red dot.....	W/1413
Qf13	Chord Modulator.....	BC 209 - C.....	W/1426
Qf14	Mixer Filter.....	BC 209 - B red dot.....	W/1413
Qf15	Mixer Filter.....	BC 154.....	W/1500
<u>PA 717</u>	<u>L.M. PEDALBOARD FILTERS (DWG 4 /SE 248)</u>		<u>6883/1124741</u>
Qe1-Qe2	Switches.....	BC 209 - C.....	W/1426
Qe3	Pedal Preampfier.....		
Qe4-Qe6	Switches.....		
Qe7	Bass Guitar Filter.....	BC 154.....	W/1500
Qe5	Switch.....		
Qe8	L.M.Orchestra Preampfier.....	BC 209 - B red dot.....	W/1413
Qe9	Pedal Preampfier.....		
De1-De4	Diodes.....	BA 130.....	B/1003
<u>PA 715/1</u>	<u>FLUTE FILTERS (DWG 4 /SE 248)</u>		<u>6867/1124741</u>
Qg1+Qg14	Flute Filters.....	BC 209 - B red dot.....	W/1413
Qg15	Chord Modulator.....	BC 209 - C.....	W/1426
Qg16	Mixer Filter.....	BC 209 - B red dot.....	W/1413
Qg17	Mixer Filter.....	BC 154.....	W/1500
Dg1+Dg7	Diodes.....	BA 130.....	B/1003

MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST (5)

Schem. Rif.	Circuit	Type	Part Code
<u>PA 720</u>	<u>PERCUSSION-REPEAT-PRESET (DWG 5 /SE 248)</u>		<u>6885/1124741</u>
Ich1+Ich9	Buffers.....	SN 72741 P.....	W/1210
Ich10	Stabilizer.....		
Ich11	Hex Inverter Buffer.....	4049.....	W/1155
Ich12	Monostable.....		
Ich13	Marimba Oscillator.....	μ A 555.....	W/1217
Ich14	Repeat Oscillator.....		
Qh1-2-16-17- 18-20-23-24- 27-31-43	Switches.....	BC 209 - C.....	W/1426
Qh3-4-5-6- 7-8-9-10-11- 12-13-14-15- 19-21-22-25- 26-28-29-30- 32-33-34-35- 36-37-38-39- 40-41-42	Switches.....	BC 154.....	W/1500
Dh1-Dh32	Diodes.....	BA 130.....	B/1003-B/1000
<u>PA 724</u>	<u>VIBRATO MONO (DWG 6 - 8 /SE 248)</u>		<u>6889/1124741</u>
IC n 1	Vibrato Mono Oscillator....	SN 76131.....	W/1201
Qn1	Buffer.....	} BC 209 - B..... BC 239 - B.....	W/1407
Qn2-4-6-7	Switches.....		
Qn3	Driver.....		
Qn8	Reverb Preamplifier.....		
Qn5	Switch.....	BC 154.....	W/1500
Qn9	Reverb Preamplifier.....	BC 286.....	W/1601
Qn10	Reverb Preamplifier.....	BC 239 - B red dot....	W/1413

MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST 6

Schem. Ref.	Circuit	Type	Part Code
PA 716	<u>SYNTHESIZER-PEDALBOARD GENERATION (DWG 6 /SE 248)</u>		<u>6880/1124741</u>
ICa1	Pedal Divider.....	4520.....	W/1163
ICa2-ICa4	Priority Latching.....	AY-1-1313.....	W/1108
ICa3-ICa12 ICa22	QUAD 2 - INPUT AND GATE.....	4011.....	W/1150
ICa5	TOP OCTAVE SYNTHESIZER.....	AY-1-0212.....	W/1105
ICa6	Oscillator Poli.....	SN 29730 N.....	W/1009
ICa7-8-14- -19-21	Hex Inverting Buffer.....	4049.....	W/1155
ICa9	Divider.....	4027.....	W/1153
ICa10	Oscillator Mono.....	SN 29730 N.....	W/1009
ICa11	Triple 3 - Input Nand Gate.	4023.....	W/1152
ICa13-ICa20	QUAD 2 - INPUT AND GATE....	4081.....	W/1156
ICa15-ICa17 ICa23	QUAD BILATERAL SWITCHES....	4616.....	W/1164
ICa16-ICa24	Divider.....	4520.....	W/1163
ICa18	Portamento Oscillator.....	MA 555.....	W/1217
ICa25-ICa31	Hex D Flip-Flop.....	40174.....	W/1161
ICa26-32-35	4 BIT MAGNITUDE Comparator.	40085.....	W/1160
ICa27-28-33 34-36-37	Programmable Divider.....	40193.....	W/1162
ICa29	Buffer.....	SN 72741 P.....	W/1210
Qa1-Qa5	Buffer.....	BC 209 - C.....	W/1426
Qa2-3-4-6- -7-8-9-10- -11-12-13	Switch.....	BC 154.....	W/1500
Qa22	Current Source.....	BA 130.....	B/1003
Da1+Da13	Diodes.....		

MOD. 259

TRANSISTORS (Q) & DIODES (D) LIST (7)

Schem.Rif.	Circuit	Type	Part Code
<u>PA 725</u>	<u>VIBRATO POLI (DWG 6 /SE 248)</u>		<u>6892/1124741</u>
ICm1	Vibrato Poli Oscillator....	SN 76131.....	W/1201
Qm1	Buffer.....		
Qm2	Switch.....	BC 209 B.....	W/1407
Qm3	Driver.....		
<u>PA 721</u>	<u>ORCHESTRA POLI (DWG 7 /SE 248)</u>		<u>6886/1124741</u>
ICq1	Hex Inverting Buffer.....	4049.....	W/1155
ICq2	QUAD 2 - INPUT AND GATE....	4081.....	W/1156
ICq3	Brass Filter.....		
ICq4	Mixer.....	SN 72741 P.....	W/1210
Qq1	Piano Preamplifier.....	} BC 209 - B red dot....	W/1413
Qq2-Qq10	Emitter Follower.....		
Qq6	Mixer.....		
Qq7	Orchestra Poli Preamplifier		
Qq12	Brass Preamplifier.....		
Qq8	Emitter Follower.....	BC 209 - B.....	W/1407
Qq15	Switch.....		
Qq11	Emitter Follower.....	BC 154.....	W/1500
Qq17-Qq18	Differential Amplifier.....		
Qq19	Source Current.....		
Qq3-4-5-9- 13-14-16-20	Switch.....	BC 209- C.....	W/1426
Dq1+Dq26	Diodes.....	BA 130.....	B/1003
<u>PA 727</u>	<u>TOUCH SENSOR (DWG 7 /SE 248)</u>		<u>6891/1124741</u>
ICr1-2-3	Touch Sensor.....	SAS 570 S.....	W/1218
Qr1-2-3	Triple Darlington.....	BC 209 - B.....	W/1407
Qr4-5-6	Triple Darlington.....		
Dr3+Dr16	LED Diodes.....	FLV 110.....	B/1602
Dr1-Dr2	Diodes.....	BA 130.....	B/1003

MOD. 259

Schem. Ref.	Circuit	Type	Part Code
<u>PA 722</u>	<u>ORCHESTRA MONO (DWG 7 /SE 248)</u>		<u>6887/1124741</u>
ICv1-ICv2	Hex Inverting Buffer.....	4049.....	W/1155
ICv3	Pass Band Filter.....	} SN 72741 N.....	W/1210
ICv4	Mixer.....		
ICv5	Preamplifier.....		
ICv6	Stabilizer.....		
ICv7-8-9	Buffer.....		
Qv2	Emitter Follower.....		
Qv14-15-16- 20-28-29-30 -31	Switch.....	BC 154.....	W/1500
Qv33	Double FET.....	F 402.....	W/2002
Qv4-5-6-7-8 -9-10-11-12 -13-17-18-19 -22-23-24-25 -26-27-32	Switch.....	BC 209 - C.....	W/1426
Qv1-Qv21	Switch.....	BC 209 - B.....	W/1407
Qv3	Triangular Converter.....		
Dv1-Dv43	Diodes.....	BA 130.....	B/1003
<u>PA 723</u>	<u>MAIN-LESLIE PREAMPLIFIER (DWG 8 /SE 248)</u>		<u>6888/1124741</u>
ICs1-ICs2	Oscillator.....	SN 72741 N.....	W/1210
ICs3	Delay Line.....	TDA 1022.....	W/1113
ICs4-ICs5	DC Volume - Balance Control	TCA 730.....	W/1216
Qs1-2-5-6-9 10-14-15-16	Mixer.....	} BC 209 - B.....	W/1407
Qs3	Brass Crossover.....		
Qs4	Treble Crossover.....		
Qs7-Qs8	Emitter Follower.....	BC 239 - B.....	
Qs11-Qs12	Oscillator.....		
Qs13	Switch.....	BC 154.....	W/1500
Ds1-Ds6	Diodes.....	BA 130.....	B/1003

MOD. 259

Schem.Rif.	Circuit	Type	Part Code
<u>PA 718</u>	<u>CANCEL CONTROL (DWG 8 /SE 248)</u>		<u>6884/1124741</u>
Qt1-Qt2	Darlington Switch.....	BC 209 - C.....	W/1426
Qt3-Qt4	Switch.....		
<u>PA 730</u>	<u>HEADPHONE - LOUDSPEAKER SWITCH (DWG 8 /SE 248)</u>		<u>6861/1124741</u>
Qn1	Darlington.....	BC 209 - B.....	W/1407
Qn2	Darlington.....	BC 286.....	W/1601
Dn1-Dn2	Diodes.....	BA 130.....	B/1003
<u>PA 802</u>	<u>TOUCH SYNCHRONISM (DWG 7/ SE 248)</u>		<u>6964/1124741</u>
Qu1	Switch.....	BC 225.....	W/1500
Qu2	Inverter.....	BC 209B.....	W/1407