

# Service Manual

Compact Disc Changer

## SL-PD6

*Simplified*

COMPACT  
disc  
DIGITAL AUDIO

MASH  
multi-stage noise shaping

Colour

(K) . . . Black Type



Area

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Great Britain	
(EG)	Germany and Italy	

**TRAVERSE DECK : RAE0152Z-M Mechanism Series**

Please file and use this Service Manual together with the Service Manual for Model No. SL-PD 8 ( E, EB, EG ) Order No. MD9904061C2 .

**Note :** This Simplified Service Manual is provided to indicate the main difference between the original Model No. SL-PD 8 ( E, EB, EG ) and the subsequent Model No. SL-PD 6 ( E, EB, EG ).

### ⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

# Technics®

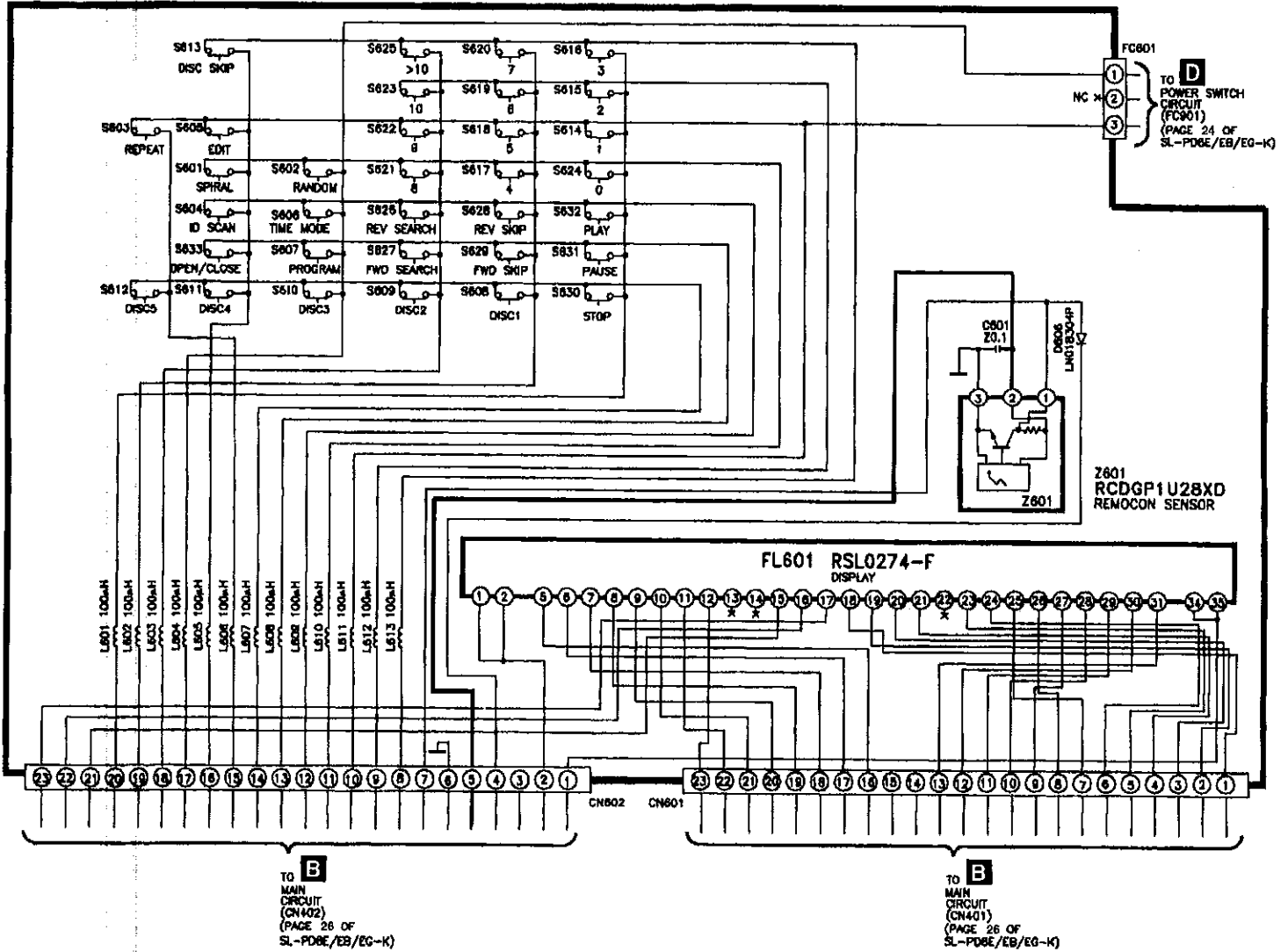
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**SCHEMATIC DIAGRAM**

— : +B line

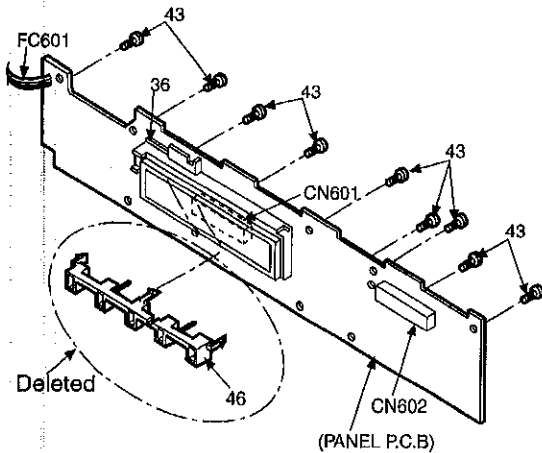
**C PANEL CIRCUIT**  
( P.C.BOARD ON PAGE 2 )



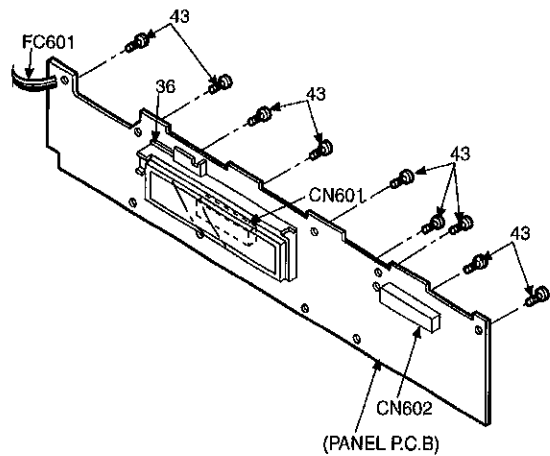
**B**  
TO MAIN CIRCUIT (CN402)  
(PAGE 26 OF SL-PD6E/EB/EG-K)

**B**  
TO MAIN CIRCUIT (CN401)  
(PAGE 26 OF SL-PD6E/EB/EG-K)

**CABINET PARTS LOCATION (Changes)**

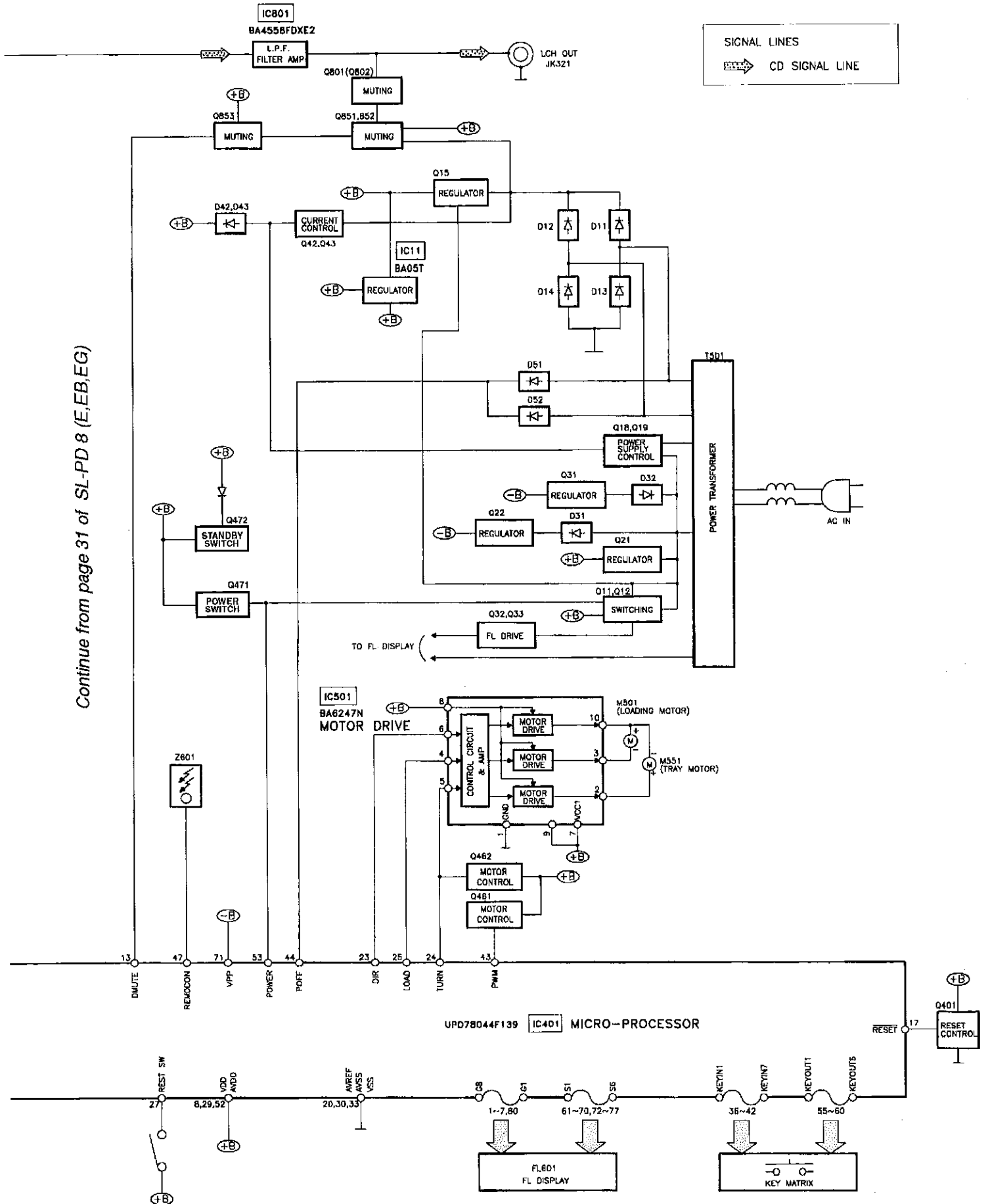


SL-PD 8 E/EB/EG-K



SL-PD 6 E/EB/EG-K

**BLOCK DIAGRAM** (Changes shown are compared with the original model SL-PD 8 (E,EB,EG) on page 32.)



## ■ Replacement Parts List

**Notes:**



- \* Important safety notice : Components identified by  $\triangle$  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- \* The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indication can be used for all areas.
- \* [M] in Remarks column indicates parts that are supplied by MESA.
- \* **Warning** : This product uses a laser diode. Refer to caution statement.
- \* **ACHTUNG** : • Die Lasereinheit nicht zerlegen.  
• Die Lasereinheit darf nur gegen eine vom Hersteller spezifizierte Einheit ausgetauscht werden.

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
<b>CABINET AND CHASSIS</b>				35	RMR0624-W2	CLAMPER	[M]	Q471	KRC107MTA	TRANSISTOR	[M]
1	REEX0083	30P FFC	[M]	36	RMN0185-1	FL HOLDER	[M]	Q472	2SC2785FETA	TRANSISTOR	[M]
2	REEX0067	23 PIN FFC WIRE	[M]	37	RFKGLPD6EB-K	FRONT PANEL ASS'Y	[M]	Q501	PT381	TRANSISTOR	[M]
3	REEX0068	23 PIN FFC WIRE	[M]	37-1	RGKX0041B-Q	DISPLAY WINDOW	[M]	Q701	2SA1037AKSTX	TRANSISTOR	[M]
4	RDG0287	TRAY REDUCTION GEAR	[M]	38	RGUX0322-K	CONTROL BUTTON	[M]	Q702	DTC114YKA146	TRANSISTOR	[M]
5	RDG0268	CLOSE LOCK GEAR	[M]	39	RYQX0021-K	PROGRAM BUTTON UNIT	[M]	Q801	2SD2144STA	TRANSISTOR	[M]
6	RDG0269-3	OPEN LOCK GEAR	[M]	41	XTBS3+8JFZ1	SCREW	[M]	Q802	2SD2144STA	TRANSISTOR	[M]
7	RDV0031	BELT	[M]	42	RGUX0315A-K	DISC BUTTON	[M]	Q851	KRA103MTA	TRANSISTOR	[M]
8	RFKPLPD667PA	TRAY MOTOR ASS'Y	[M]	43	XTBS26+12J	SCREW	[M]	Q852	KRC103MTA	TRANSISTOR	[M]
9	RMN0254	LED HOLDER	[M]	44	RWJ1806115XX	6 PIN WIRE	[M]	Q853	KRA103MTA	TRANSISTOR	[M]
10	RMN0255	SENSOR HOLDER	[M]	45	RMG0200	SHUTTER RUBBER	[M]				
11	RMN0283	MOTOR HOLDER	[M]	47	RMR0334	FIXED PLATE	[M]			<b>DIODES</b>	
12	REZ0648	14 PIN FFC	[M]	48	XTB3+10JFZ	SCREW	[M]	D11	RL1N4003N02	DIODE	[M] $\triangle$
13	RFKNLPD8PC-K	TRAY BASE ASS'Y	[M]	49	XTB3+8JFZ	SCREW	[M]	D12	RL1N4003N02	DIODE	[M] $\triangle$
13-1	RMF0182	TRAY FELT	[M]			<b>INTEGRATED CIRCUITS</b>		D13	RL1N4003N02	DIODE	[M] $\triangle$
13-2	RMG0200	SHUTTER RUBBER	[M]	IC11	BA05T	5V REGULATOR	[M] $\triangle$	D14	RL1N4003N02	DIODE	[M] $\triangle$
13-3	RMR0546-W2	ROLLER	[M]	IC401	UPD78044F139	MICROPROCESSOR	[M]	D15	MTZJ9R1CTA	DIODE	[M] $\triangle$
14	RGTO019-1	ROTARY TRAY	[M]	IC501	BA6247N	IC	[M]	D16	RL1N4003N02	DIODE	[M]
15	RHW81001-1	WASHER	[M]	IC701	AN8837SBE1	IC, HEAD AMP	[M]	D18	RL1N4003N02	DIODE	[M]
16	RMB0365	TRAY SPRING	[M]	IC702	MN662741RPA	IC, DIGITAL LSI	[M]	D21	RL1N4003N02	DIODE	[M] $\triangle$
17	RME0152-3	LOCK GEAR SPRING	[M]	IC703	AN8780NSBE2	IC	[M]	D22	RL1N4003N02	DIODE	[M] $\triangle$
18	RMS0123-1	FIXED PIN B	[M]	IC801	BA4558FDXE2	IC	[M]	D23	MTZJ8R2CTA	DIODE	[M] $\triangle$
19	XTB3+10G	SCREW	[M]			<b>TRANSISTORS</b>		D24	MTZJ8R2CTA	DIODE	[M]
20	XTWS3+10T	SCREW	[M]	Q11	KRC107MTA	TRANSISTOR	[M]	D31	RL1N4003N02	DIODE	[M] $\triangle$
21	XWE3D13	WASHER	[M]	Q12	2SB1238QRTV2	TRANSISTOR	[M]	D32	RL1N4003N02	DIODE	[M] $\triangle$
22	RKM0339-K1	TOP CABINET	[M]	Q15	2SD2037ETA	TRANSISTOR	[M] $\triangle$	D33	MTZJ30BTA	DIODE	[M] $\triangle$
23	XTB3+20J	SCREW (PCB - B/CHASSIS)	[M]	Q18	2SD1859QRTV2	TRANSISTOR	[M] $\triangle$	D34	MTZJ9R1CTA	DIODE	[M] $\triangle$
24	SNE2129-3	SCREW	[M]	Q19	KRC107MTA	TRANSISTOR	[M] $\triangle$	D41	MTZJ6R2CTA	DIODE	[M]
25	XTB3+8J	SCREW	[M]	Q21	2SC2785FETA	TRANSISTOR	[M] $\triangle$	D42	RL1N4003N02	DIODE	[M]
26	RGR0246C-H	BACK PANEL	[M]E	Q22	2SA1175FETA	TRANSISTOR	[M] $\triangle$	D43	1SS291TA	DIODE	[M]
26	RGR0246C-J	BACK PANEL	[M]E B EG	Q31	2SB1238QRTV2	TRANSISTOR	[M] $\triangle$	D44	RVD1SS133TA	DIODE	[M]
27	RFKJLPD8PC-K	BOTTOM CHASSIS ASS'Y	[M]	Q32	2SD2144STA	TRANSISTOR	[M]	D45	RVD1SS133TA	DIODE	[M]
27-1	RKA0079-A	FOOT	[M]	Q33	2SD2144STA	TRANSISTOR	[M]	D46	RVD1SS133TA	DIODE	[M]
28	RMR0749-W	CABLE HOLDER	[M]	Q42	2SD1862QTV2	TRANSISTOR	[M]	D51	RVD1SS133TA	DIODE	[M] $\triangle$
29	RMR0742-K	BASE GUIDE (L)	[M]	Q43	2SD1862QTV2	TRANSISTOR	[M]	D52	RVD1SS133TA	DIODE	[M] $\triangle$
30	RMR0743-K	BASE GUIDE (R)	[M]	Q401	2SC2785FETA	TRANSISTOR	[M]	D53	MTZJ5R1BTA	DIODE	[M] $\triangle$
31	RMR0765-W1	TRANSFORMER BASE	[M]	Q461	KRC111MTA	TRANSISTOR	[M]	D54	RVD1SS133TA	DIODE	[M]
32	RHM0001	MAGNET	[M]	Q462	KRC111MTA	TRANSISTOR	[M]	D401	RVD1SS133TA	DIODE	[M]
33	RGBX0005-N	BADGE	[M]					D402	RVD1SS133TA	DIODE	[M]
34	RMR0744-W	CLAMPER SHEET	[M]					D403	RVD1SS133TA	DIODE	[M]

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
D404	RVD1SS133TA	DIODE	[M]	S901	EVQ21405R	SW, POWER	[M]	Z601	RCDGP1U28XD	REMOTE SENSOR	[M]
D405	RVD1SS133TA	DIODE	[M]								
D406	RVD1SS133TA	DIODE	[M]			<b>CONNECTORS</b>				<b>OSCILLATORS</b>	
D461	MTZJ6R8CTA	DIODE	[M]	CN11	RJS1A1101T1	CONNECTOR	[M]	X401	RSXY4M23M01T	CRYSTAL RESONATOP	[M]
D462	MTZJ5R6BTA	DIODE	[M]	CN14	RJS1A1101T1	CONNECTOR	[M]	X701	RSXB16M9J02T	CRYSTAL OSCILLATOR	[M]
D501	GL380	DIODE	[M]	CN16	RJS1A1101T1	CONNECTOR	[M]				
D502	RSQGP1S53V	DIODE	[M]	CN17	RJS1A1101T1	CONNECTOR	[M]			<b>DISPLAY TUBE</b>	
D551	SG-206S	DIODE	[M]	CN18	RJS1A1101T1	CONNECTOR	[M]	FL601	RSL0274-F	FL DISPLAY	[M]
D606	LN018304P	DIODE	[M]	CN19	RJS1A1101T1	CONNECTOR	[M]				
D801	RVD1SS133TA	DIODE	[M]	CN20	RJS1A1101T1	CONNECTOR	[M]			<b>FUSE CABLES</b>	
D802	RVD1SS133TA	DIODE	[M]	CN21	RJS1A1101T1	CONNECTOR	[M]	FC502	RWJ4406087KK	6P FLAT CABLE	[M]
				CN302	RJS2A3330	30P CONNECTOR	[M]	FC503	RWJ4403102KK	3P FLAT CABLE	[M]
		<b>SWITCHES</b>		CN401	RJS1A9423	FFC CONNECTOR	[M]	FC601	RWJ1803085KK	3P WIRE	[M]
S551	RSH1A005-1U	SWITCH	[M]	CN402	RJS1A9423	FFC CONNECTOR	[M]	FC901	RWJ1803085KK	3P WIRE	[M]
S601	EVQ21405R	SW, SPIRAL	[M]	CN403	RJS1A9414-1	14P FFC CONNECTOR	[M]				
S602	EVQ21405R	SW, RANDOM MODE	[M]	CN404	RJS1A6608T1	TAPING CONNECTOR	[M]			<b>JACKS</b>	
S603	EVQ21405R	SW, REPEAT	[M]	CN501	RJS1A6714-Q	14P CONNECTOR	[M]	JK11	SJS9236-1	JK, SOCKET	[M] △
S604	EVQ21405R	SW, ID SCAN	[M]	CN551	RJS2A1506	6P CONNECTOR	[M]	JK321	GP1F32T	JK, OPT TERMINAL	[M]
S605	EVQ21405R	SW, EDIT GUIDE	[M]	CN601	RJS1A6223-1	23P CONNECTOR	[M]	JK801	RJH3201N-J	JK, RCA	[M]
S606	EVQ21405R	SW, TIME MD	[M]	CN602	RJS1A6223-1	23P CONNECTOR	[M]				
S607	EVQ21405R	SW, PROGRAM	[M]	CN701	RJS2A6016	16P FFC CONNECTOR	[M]			<b>EARTH TERMINAL</b>	
S608	EVQ21405R	SW, DISC 1	[M]	CN702	RJS2A4230-1F	30P CONNECTOR	[M]	E400	SNE1004-2	EARTH TERMINAL	[M]
S609	EVQ21405R	SW, DISC 2	[M]								
S610	EVQ21405R	SW, DISC 3	[M]			<b>COILS &amp; TRANSFORMERS</b>				<b>PACKING MATERIALS</b>	
S611	EVQ21405R	SW, DISC 4	[M]	L11	SLQX400-1D	RADIO FREQ COIL	[M]	P1	RPGX0536	PACKING CASE	[M]EB
S612	EVQ21405R	SW, DISC 5	[M]	L12	SLQX400-1D	RADIO FREQ COIL	[M]	P1	RPGX0537	PACKING CASE	[M]EG E
S613	EVQ21405R	SW, DISC SKIP	[M]	L601	RLQZP101KT-Y	AXIAL COIL	[M]	P2	RPFX0005	MIRAMAT BAG	[M]
S614	EVQ21405R	SW, TRACK 1	[M]	L602	RLQZP101KT-Y	AXIAL COIL	[M]	P3	RPNX0099	POLYFOAM	[M]EB
S615	EVQ21405R	SW, TRACK 2	[M]	L603	RLQZP101KT-Y	AXIAL COIL	[M]	P3	RPNX0100-1	POLYFOAM	[M]EB
S616	EVQ21405R	SW, TRACK 3	[M]	L604	RLQZP101KT-Y	AXIAL COIL	[M]	P3	RPNX0101	POLYFOAM	[M]EG E
S617	EVQ21405R	SW, TRACK 4	[M]	L605	RLQZP101KT-Y	AXIAL COIL	[M]				
S618	EVQ21405R	SW, TRACK 5	[M]	L606	RLQZP101KT-Y	AXIAL COIL	[M]			<b>ACCESSORIES</b>	
S619	EVQ21405R	SW, TRACK 6	[M]	L607	RLQZP101KT-Y	AXIAL COIL	[M]	A1	RJA0019-2K	AC CORD (SF) △	[M]EG E
S620	EVQ21405R	SW, TRACK 7	[M]	L608	RLQZP101KT-Y	AXIAL COIL	[M]	A1	RJA0053-2X	AC CORD △	[M]EB
S621	EVQ21405R	SW, TRACK 8	[M]	L609	RLQZP101KT-Y	AXIAL COIL	[M]	A2	RJL2P004B08A	STEREO CONNECTOR	[M]
S622	EVQ21405R	SW, TRACK 9	[M]	L610	RLQZP101KT-Y	AXIAL COIL	[M]	A3	RQT4753-E	O/I BOOK (En/Sp/Sw)	[M]E
S623	EVQ21405R	SW, TRACK 10	[M]	L611	RLQZP101KT-Y	AXIAL COIL	[M]	A3	RQT4754-R	O/I BOOK (Ru/Cz/Po)	[M]E
S624	EVQ21405R	SW, TRACK 0	[M]	L612	RLQZP101KT-Y	AXIAL COIL	[M]	A3	RQT4755-D	O/I BOOK (Ge/It/Fr)	[M]EG
S625	EVQ21405R	SW, TRACK >10	[M]	L613	RLQZP101KT-Y	AXIAL COIL	[M]	A3	RQT4756-H	O/I BOOK (Du/Da)	[M]EG
S626	EVQ21405R	SW, REV SEARCH	[M]	L701	RLBN102V-Y	CHIP INDUCTOR	[M]	A3	RQT4757-B	O/I BOOK (En)	[M]EB
S627	EVQ21405R	SW, FWD SEARCH	[M]	L702	RLBN102V-Y	CHIP INDUCTOR	[M]				
S628	EVQ21405R	SW, REV SKIP	[M]	L703	RLBN102V-Y	CHIP INDUCTOR	[M]				
S629	EVQ21405R	SW, FWD SKIP	[M]	L704	RLBN102V-Y	CHIP INDUCTOR	[M]				
S630	EVQ21405R	SW, STOP	[M]	L705	RLBN102V-Y	CHIP INDUCTOR	[M]				
S631	EVQ21405R	SW, PAUSE	[M]	PT11	RTP1K4B030-X	POWER TRANSFORMER	[M] △				
S632	EVQ21405R	SW, PLAY	[M]								
S633	EVQ21405R	SW, OPEN/CLOSE	[M]			<b>COMPONENT COMBINATION</b>					
S701	RSH1A043-U	SW, REST	[M]	Z301	BL02RN2R65T2	COIL	[M]				



Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
C722	ECUZ1H100DCN	10P 50V [M]	RJ709	ERJ8GEY0R00A	0 1/8W [M]						
C723	ECEA1AKA221I	220 10V [M]	RJ710	ERJ8GEY0R00A	0 1/8W [M]						
C724	ECUZ1E104MBN	0.1 25V [M]	RJ715	ERJ8GEY0R00A	0 1/8W [M]						
C725	ECUZ1H102KBN	1000P 50V [M]	RJ716	ERJ8GEY0R00A	0 1/8W [M]						
C726	ECUZ1H102KBN	1000P 50V [M]	RJ717	ERJ8GEY0R00A	0 1/8W [M]						
C730	ECUZ1E104ZFN	0.1 25V [M]	RJ721	ERJ8GEY0R00A	0 1/10W[M]						
C731	ECEA0JKA221I	220 6.3V [M]	RJ722	ERJ8GEY0R00A	0 1/10W[M]						
C732	ECEA0JKA221I	220 6.3V [M]	RJ724	ERJ8GEY0R00A	0 1/10W[M]						
C733	ECUZ1E104MBN	0.1 25V [M]	RJ725	ERJ8GEY0R00A	0 1/10W[M]						
C734	ECEA1AKA221I	220 10V [M]	RJ726	ERJ8GEY0R00A	0 1/10W[M]						
C735	ECUZ1E104ZFN	0.1 25V [M]	RJ727	ERJ8GEY0R00A	0 1/10W[M]						
C736	ECUZ1E104ZFN	0.1 25V [M]	RJ728	ERJ8GEY0R00A	0 1/10W[M]						
C737	ECUZ1E104ZFN	0.1 25V [M]	RJ731	ERJ8GEY0R00A	0 1/10W[M]						
C738	ECUZ1E104MBN	0.1 25V [M]	RJ732	ERJ8GEY0R00A	0 1/10W[M]						
C739	ECUZ1H102KBN	1000P 50V [M]	RJ733	ERJ8GEY0R00A	0 1/10W[M]						
C742	ECUZ1E273KBN	0.027 25V [M]									
C743	ECUZ1E104ZFN	0.1 25V [M]		<b>TEST JUMPER</b>							
C744	ECUZ1E123KBN	0.012 25V [M]									
C745	ECUZ1H102KBN	1000P 50V [M]	TJ701	EYF8CU	TEST JUMPER [M]						
C747	ECUV1H221KBN	220P 50V [M]									
C749	ECUZ1H222KBN	2200P 50V [M]									
C750	ECUZ1E104MBN	0.1 25V [M]									
C751	ECUZ1E104MBN	0.1 25V [M]									
C753	ECUZ1H471KBM	470P 50V [M]									
C762	ECUZ1H471KBN	470P 50V [M]									
C801	ECEA1AKA470B	47 10V [M]									
C802	ECEA1AKA470B	47 10V [M]									
C803	ECEA1CKA100B	10 16V [M]									
C804	ECEA1CKA100B	10 16V [M]									
C805	ECCR1H391J5	390P 50V [M]									
C806	ECCR1H391J5	390P 50V [M]									
C807	ECCR1H391J5	390P 50V [M]									
C808	ECCR1H391J5	390P 50V [M]									
C809	ECEA0JKA470B	47 6.3V [M]									
C810	ECEA0JKA470B	47 6.3V [M]									
C811	ECBT1H102KB5	1000P 50V [M]									
C812	ECBT1H102KB5	1000P 50V [M]									
	<b>CHIP JUMPER</b>										
RJ701	ERJ8GEY0R00A	0 1/10W[M]									
RJ702	ERJ8GEY0R00A	0 1/8W [M]									
RJ703	ERJ8GEY0R00A	0 1/8W [M]									
RJ704	ERJ8GEY0R00A	0 1/8W [M]									
RJ705	ERJ8GEY0R00A	0 1/8W [M]									
RJ706	ERJ8GEY0R00A	0 1/8W [M]									
RJ707	ERJ8GEY0R00A	0 1/8W [M]									
RJ708	ERJ8GEY0R00A	0 1/8W [M]									

 <b>KRZ1</b>	Door No. 3	 <b>51</b>
	Drop No. 0	
Customer: TECHNICA42		
Load: SPOWE1		
Model: MD890408-A2	Qty: 1	
Assemble at: 60	05/07/00	