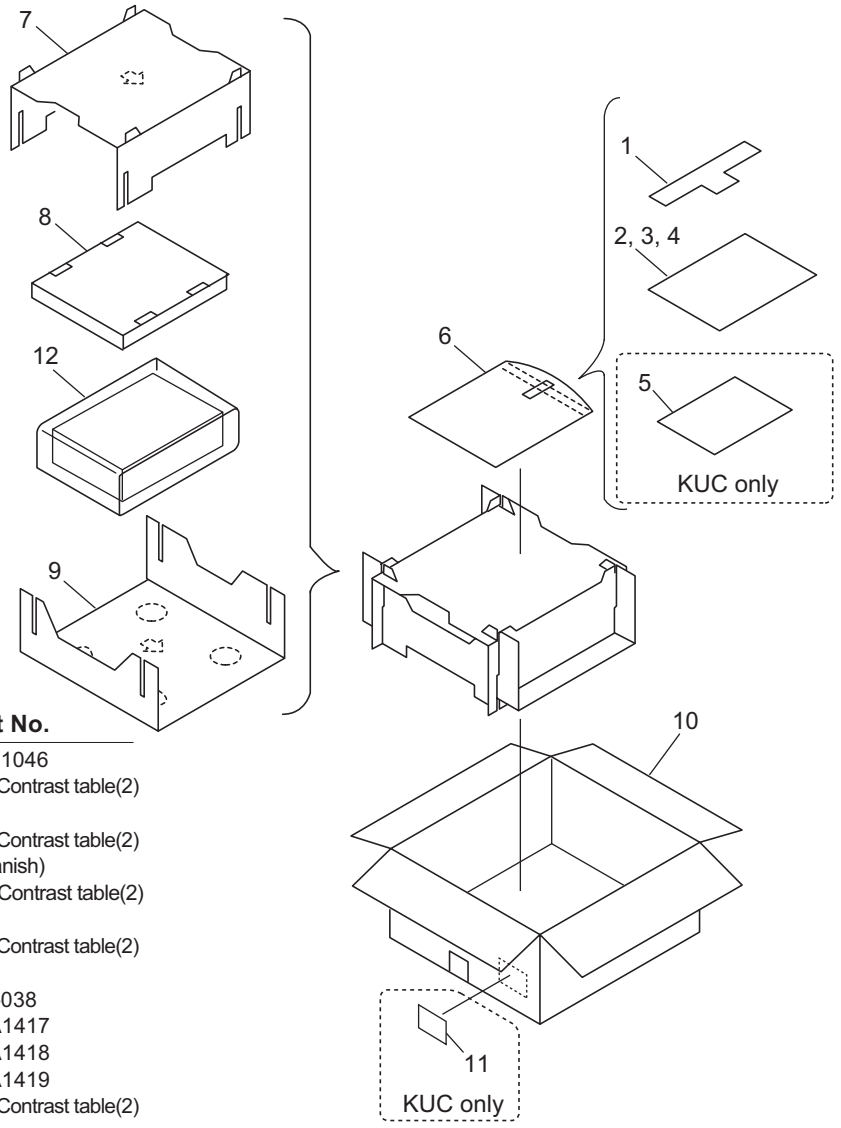
2. EXPLODED VIEWS AND PARTS LIST

NOTES :
- *Parts marked by "* NSP *" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screw adjacent to ▼ mark on the product are used for disassembly.*

2.1 PACKING



(1) PACKING PARTS LIST

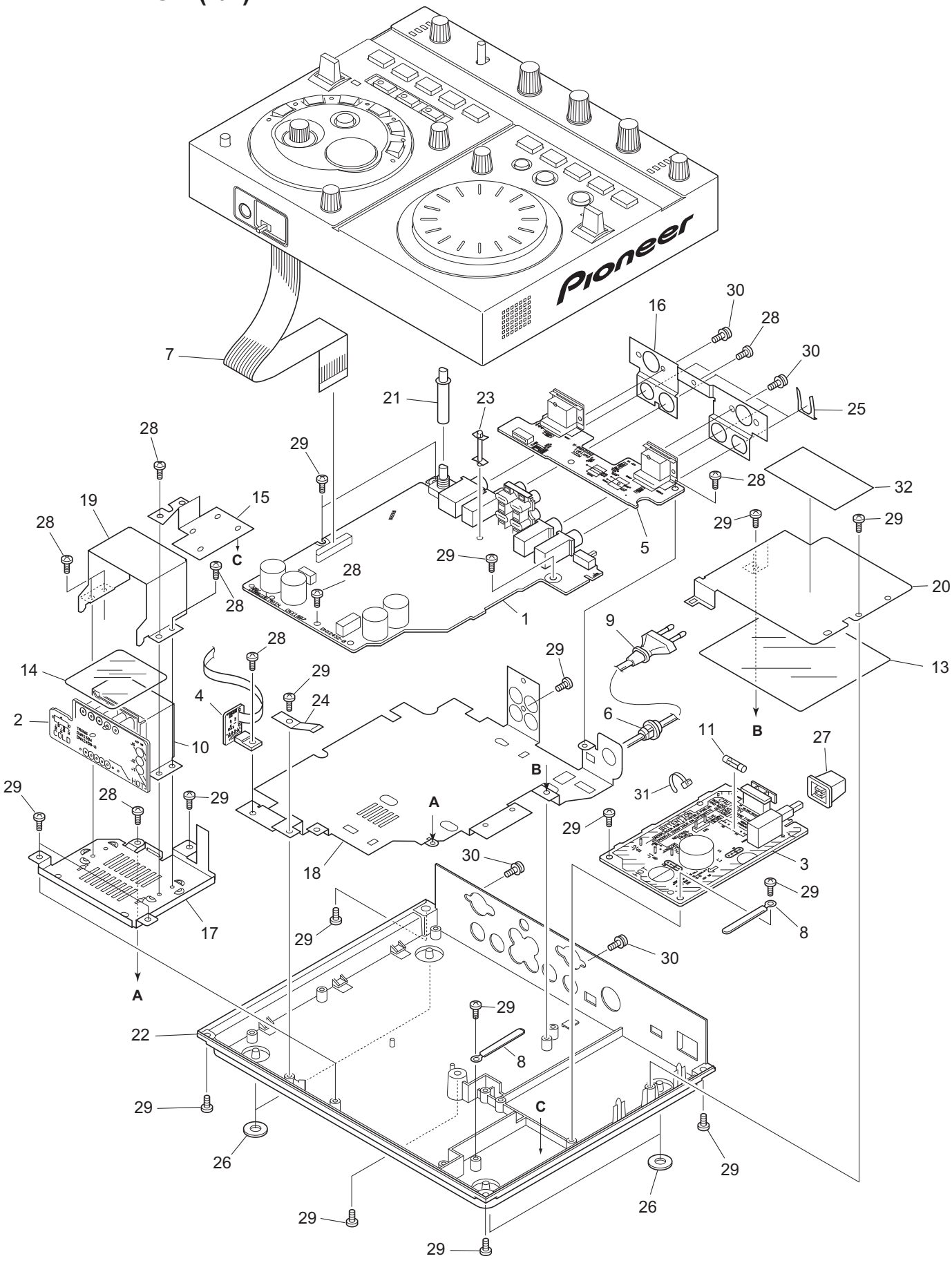
Mark	No.	Description	Part No.
	1	Guide Plate	DAP1046
	2	Operating Instructions (English)	See Contrast table(2)
	3	Operating Instructions (English/French/German/Italian/Dutch/Spanish)	See Contrast table(2)
	4	Operating Instructions (English/Spanish/Chinese)	See Contrast table(2)
NSP	5	Warranty Card	See Contrast table(2)
	6	Polyethylene Bag	Z21-038
	7	Pad A	DHA1417
	8	Pad B	DHA1418
	9	Pad C	DHA1419
	10	Packing Case	See Contrast table(2)
NSP	11	Label	See Contrast table(2)
	12	Sheet (550 x 550 x 0.5)	Z23-026

(2) CONTRAST TABLE

WY, RL and KUC are constructed the same except for the following:

Mark	No.	Symbol and Description	Part No.			Remarks
			KUC type	WY type	RL type	
	2	Operating Instructions (English)	DRB1237	Not used	Not used	
	3	Operating Instructions (English/French/German/Italian/ Dutch/Spanish)	Not used	DRB1236	Not used	
	4	Operating Instructions (English/Spanish/Chinese)	Not used	Not used	DRB1238	
NSP	5	Warranty Card	DRY1177	Not used	Not used	
	10	Packing Case	DHG1873	DHG1870	DHG1872	
NSP	11	Label	VRW1629	Not used	Not used	

2.2 EXTERIOR (1/2)



(1) EXTERIOR (1/2) PARTS LIST

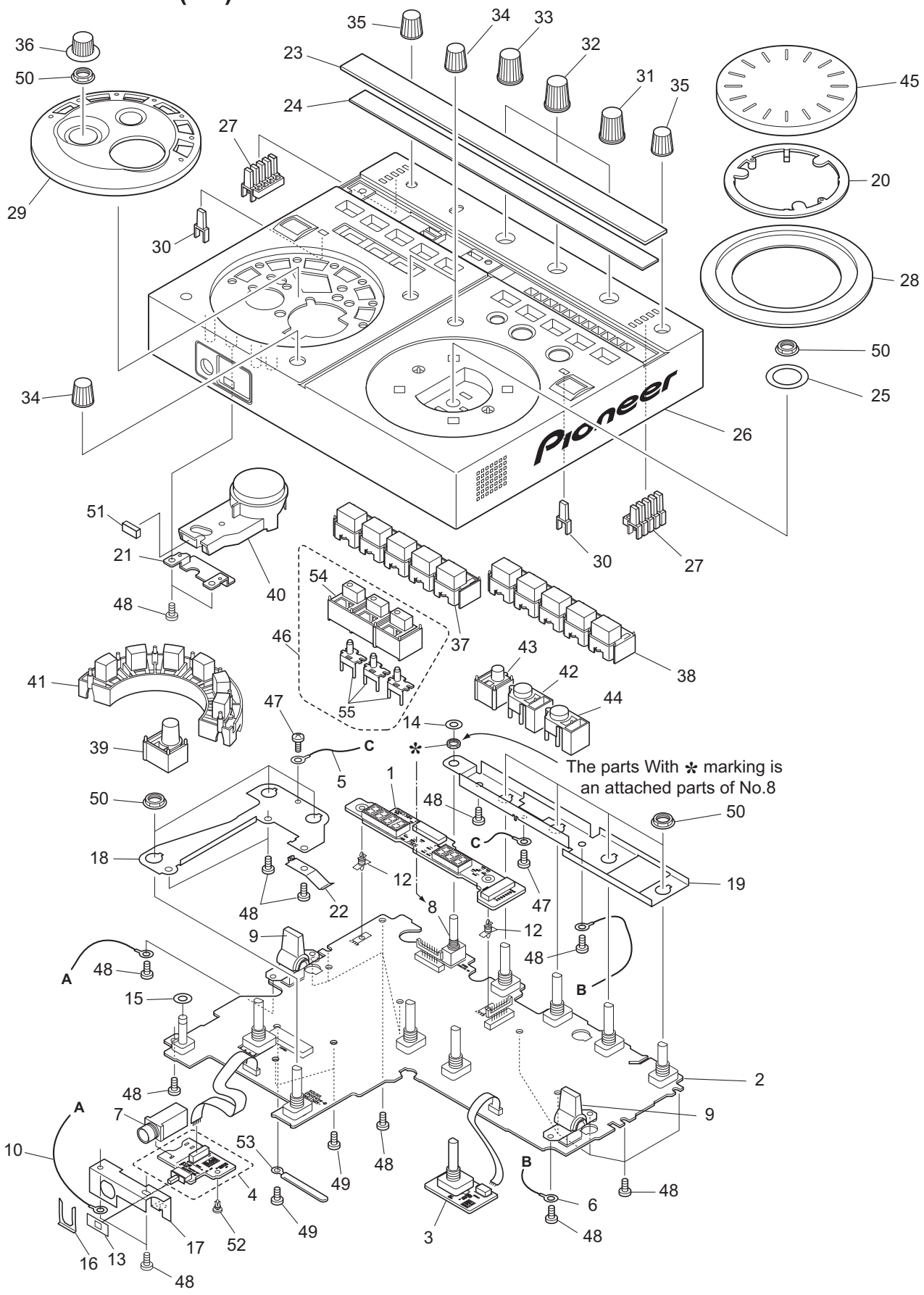
Mark	No.	Description	Part No.
	1	MAIN BOARD ASSY	DWX1907
NSP	2	TRANS BOARD ASSY	DWR1304
NSP	3	POWER BOARD ASSY	See Contrast table(2)
NSP	4	REG BOARD ASSY	DWX1910
	5	MIDI BOARD ASSY	DWX1911
⚠	6	Cord stopper	See Contrast table(2)
	7	22P F.F.C/60V	DDD1137
NSP	8	Binder	Z09-061
⚠	9	AC Power Cord	See Contrast table(2)
⚠	10	Power Transformer	See Contrast table(2)
⚠	11	Fuse (FU1)	See Contrast table(2)
	12	• • • • •	
	13	Power Sheet	DEC2271
	14	Trans Sheet	DEC2280
	15	Shield Sheet	DEC2285
	16	Rear Plate	DNF1592
	17	Trans Plate	DNF1596
	18	Shield	DNH2350
	19	Trans Shield	DNH2351
	20	Power Shield	DNH2358
	21	Shaft	DNK3600
NSP	22	Chassis	See Contrast table(2)
NSP	23	PCB Holder	REC1220
	24	Earth Plate	VBK1070
	25	Snap Plate	VNE1102
	26	Insulator	DEC2235
	27	Power Knob	DAC1904
	28	Screw	BBZ30P060FMC
	29	Screw	BPZ30P080FZK
	30	Screw	PMH30P080FMC
	31	Binder	See Contrast table(2)
	32	65 Label	See Contrast table(2)

(2) CONTRAST TABLE

WY, RL and KUC types are constructed the same except for the following:

Mark	No.	Symbol and Description	Part No.			Remarks
			KUC type	WY type	RL type	
NSP	3	POWER BOARD ASSY	DWR1305	DWR1305	DWR1303	
⚠	6	Cord stopper	CM-22C	CM-22B	CM-22B	
⚠	9	AC Power Cord	PDG1063	PDG1003	PDG1003	
⚠	10	Power Transformer (AC120V)	DTT1152	Not used	Not used	
⚠	10	Power Transformer (AC220- 240V)	Not used	DTT1154	Not used	
⚠	10	Power Transformer (AC110-120V/220-240V)	Not used	Not used	DTT1153	
⚠	11	Fuse (FU1: 500mA/125V)	VEK1009	Not used	Not used	
⚠	11	Fuse (FU1: T250mA/L250V)	Not used	AEK1048	AEK1048	
	22	Chassis	DNK3603	DNK3599	DNK3605	
	31	Binder	Not used	PEC-107	Not used	
	32	65 Label	DRW1927	Not used	Not used	

2.2 EXTERIOR (2/2)



(1) EXTERIOR (2/2) PARTS LIST

Mark	No.	Description	Part No.
	1	7SEG BOARD ASSY	DWG1504
	2	SOUSA BOARD ASSY	DWG1505
NSP	3	JOG BOARD ASSY	DWX1908
	4	HP. ASSY	DWX1909
	5	Earth Lead Unit	DDF1011
	6	Earth Lead Unit/ 300V	DDF1015
	7	Headphone Jack	DKN1179
	8	Lever Switch	DSK1015
	9	Lever Switch	DSK1016
	10	Earth Lead Unit/ 300V	PDF1087
	11	.....	
	12	Spacer	DEC2263
	13	Slide SW Packing	DEC2281
	14	Lever Switch Packing	DED1120
	15	Lever VR Packing	DED1137
	16	Mount Plate	DNE1370
	17	HP Angle	DNF1593
	18	VR Angle A	DNF1594
	19	VR Angle B	DNF1595
	20	POM Ring	DNK3598
	21	TAP Plate	DNK3608
	22	Earth Plate	VBK1070
	23	Plate A	DAH1912
	24	Plate B	DAH1897
	25	Jog Washer	DBF1001
	26	Control Panel	DNK3650
	27	Level Indicator	DNK3594
	28	Ring Plate	DNK3595
	29	Escasion	DNK3596
	30	Lens B	DNK3601

Mark	No.	Description	Part No.
	31	Rotary VR knob G	DAA1133
	32	Rotary VR knob GY	DAA1139
	33	Rotary VR knob GG	DAA1140
	34	Rotary Knob A	DAA1141
	35	Rotary Knob B	DAA1142
	36	Rotary Knob C	DAA1143
	37	Knob A	DAC1896
	38	Knob B	DAH1897
	39	BPM Mode Knob	DAC1898
	40	Tap Knob	DAC1899
	41	Knob C	DAC1900
	42	Play Knob	DAC1901
	43	Memory Knob	DAC1902
	44	Hold Knob	DAC1903
	45	Jog Dial	DNK3597
	46	Knob D Assy	DXA1862
	47	Screw	BBZ30P060FMC
	48	Screw	BPZ30P080FZK
	49	Screw	BPZ30P120FMC
	50	Nut (M9)	DBN1004
	51	Cushion	DEB1413
	52	Rivet (3 x 4.5)	RBM-003
NSP	53	Binder	Z09-061
NSP	54	Knob D	DAC1905
NSP	55	Lens	DNK3592

5. PCB PARTS LIST

NOTES :
- *Parts marked by* " NSP " *are generally unavailable because they are not in our Master Spare Parts List.*
- *The* ⚠ *mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 *When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).*

560 Ω → 56 × 10¹ → 561 ..... RD1/4PU 5 6 1 J
47k Ω → 47 × 10³ → 473 ..... RD1/4PU 4 7 3 J
0.5 Ω → R50 ..... RN2H R 5 0 K
1 Ω → 1R0 ..... RS1P 1 R 0 K

Ex. 2 *When there are 3 effective digits (such as in high precision metal film resistors).*

5.62k Ω → 562 × 10¹ → 5621 ..... RN1/4PC 5 6 2 1 F

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	Part No.			Remarks
		KUC type	WY type	RL type	
NSP	MOTHER BOARD ASSY	DWM2083	DWM2083	DWM2083	
	├ MAIN BOARD ASSY	DWX1907	DWX1907	DWX1907	
	└ 7SEG BOARD ASSY	DWG1504	DWG1504	DWG1504	
NSP	SUB BOARD ASSY	DWX1900	DWX1900	DWX1901	
	├ SOUSA BOARD ASSY	DWG1505	DWG1505	DWG1505	
NSP	├ TRANS BOARD ASSY	DWR1304	DWR1304	DWR1304	
NSP	├ POWER BOARD ASSY	DWR1305	DWR1305	DWR1303	
NSP	├ JOG BOARD ASSY	DWX1908	DWX1908	DWX1908	
	├ H.P BOARD ASSY	DWX1909	DWX1909	DWX1909	
NSP	├ REG BOARD ASSY	DWX1910	DWX1910	DWX1910	
	└ MIDI BOARD ASSY	DWX1911	DWX1911	DWX1911	

■ CONTRAST OF PCB ASSEMBLIES

POWER BOARD ASSY

DWR1305 and DWR1303 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		DWR1305	DWR1303	
⚠	S2 (VOLTAGE SELECTOR)	Not used	DSA1026	
⚠	J2 (LEAD WIRE UNIT)	Not used	DDF1017	

■ PARTS LIST FOR KUC type

Mark	No.	Description	Part No.
A	**MAIN BOARD ASSY**		
	SEMICONDUCTORS		
	IC403		AK4520A
⚠	IC95	(400mA/50V)	ICP-N10
⚠	IC93, IC94	(1.5A/50V)	ICP-N38
⚠	IC92	(250mA/50V)	ICP-N5
	IC402		MB814800-70PJ
	IC401, IC404		MN19413A-P
	IC302, IC303		NJM2100M
	IC204, IC301, IC406, IC408		NJM4558MD
	IC203, IC205		NJM4580M
⚠	IC12		NJM78M12FA
⚠	IC13		NJM79M12FA
	IC405		SRM2B256SLMX70
	Q201–Q204, Q207–Q210		2SD2114K
	Q301, Q302		2SD2114K
⚠	Q1		2SD2395
	Q205		DTA124EK
	Q206		DTC124EK
⚠	D11–D14		11E2(TB2)
⚠	D15–D18		1GWJ42(TPB2)
	D51		UDZS8.2B
	COILS AND FILTERS		
	F405		DTF1013
	L201, L202	(100μH)	DTL1071
	L11, L401–L403	(100μH)	LFA101J

Mark	No.	Description	Part No.
SWITCHES AND RELAYS			
	S301		DSH1025
CAPACITORS			
	C233, C238, C281, C282		CCSQCH101J50
	C301–C304, C327–C330, C438		CCSQCH101J50
	C444, C470, C471, C488, C489		CCSQCH101J50
	C413, C414, C422, C423		CCSQCH220J50
	C453, C454		CCSQCH220J50
	C271, C272, C341–C344		CCSQCH270J50
	C440, C445		CCSQCH331J50
	C321, C322		CCSQSL152J50
	C216, C217		CCSQSL561J50
	C224–C227		CEANP220M16
	C239, C240		CEANP2R2M50
	C323		CEANP3R3M50
	C305, C306		CEANP4R7M35
	C291–C294		CEANPR33M50
	C433		CEAT100M50
	C251, C252		CEAT220M50
	C313, C314		CEAT221M6R3
	C214, C215		CEAT2R2M50
	C351, C352		CEAT330M16
	C52		CEAT3R3M50
	C405, C407, C425, C427, C472		CEAT470M10
	C474		CEAT470M10
	C26, C261, C262, C27		CEAT471M16
	C24		CEAT471M6R3
	C311, C312		CEAT4R7M50
	C51		CEHAQ471M10
	C401, C458		CEJA101M10
	C415, C448		CEJA470M10
	C11–C17, C9		CKCYF103Z50
	C19		CKCYF473Z50
	C232, C237		CKSQYB102K50
	C421, C452, C468, C473, C478		CKSQYB103K50
	C222, C223, C235, C236		CKSQYB104K25
	C295, C296, C309, C310		CKSQYB104K25
	C315–C317, C319, C402, C406		CKSQYB104K25
	C408–C412, C416, C419, C424		CKSQYB104K25
	C426, C434, C439, C442		CKSQYB104K25
	C449–C451, C455, C457, C459		CKSQYB104K25
	C475–C477, C481, C485		CKSQYB104K25
	C403, C466		CKSQYB105K10
	C228–C231		CKSQYB122K50
	C23, C25	(3300µF/16V)	DCH1104
	C21, C22	(2200µF/25V)	DCH1117
RESISTORS			
	R403, R404, R466–R468	(82Ω/ 1/16W)	ACN7049
	R307, R308, R349–R352		RN1/10SE1002D
	R301, R302, R311, R312		RN1/10SE1100D
	R272, R274		RN1/10SE1502D
	R347, R348		RN1/10SE2202D
	R220, R222		RN1/10SE2402D
	R341, R342		RN1/10SE3002D
	R353–R356		RN1/10SE3300D
	R211, R212		RN1/10SE4701D
	VR301	(25kΩ-B x2)	DCS1049
	Other Resistors		RS1/10S□□□ J

Mark	No.	Description	Part No.
OTHERS			
		(HOLDER 5P)	51048-0500
	CN201	(FFC CONNECTOR 22P)	52045-2245
	J201	(JUMPER WIRE 5P)	D20PYY0505E
	JA301	(MIC JACK)	DKN1189
	X402	(CRYSTAL RESONATOR 12.288MHz)	DSS1030
	X401, X403	(CERMIC RESONATER 20.2MHz)	DSS1111
	CN3	(JUMPER WIRE 4P)	KPC4
	CN2	(JUMPER WIRE 5P)	KPC5
	JA201	(PIN JACK 4P)	PKB1016
	JA203, JA204, JA302	(MIC JACK)	VKN1143
	KN11	(EARTH METAL FITTING)	VNF1084

B REG BOARD ASSY

Mark	No.	Description	Part No.
SEMICONDUCTORS			
⚠	IC11		PQ05RR12
OTHERS			
	11	(CABLE HOLDER 4P)	51052-0400
	J11	(JUMPER WIRE)	DXYY0410E

C TRANS BOARD ASSY

Mark	No.	Description	Part No.
OTHERS			
		(CABLE HOLDER 5P)	51052-0500
	J4	(JUMPER WIRE 4P)	DXYY0510E

D POWER BOARD ASSY

Mark	No.	Description	Part No.
CAPACITORS			
⚠	C3	(4700pF/250V)	ACG7018
⚠	C1, C2	(10000pF/125V)	ACG7020
COILS AND FILTERS			
⚠	L1		VTL-004
SWITCHE			
⚠	S1		RSA1001
OTHERS			
	H1, H2	(FUSE CLIP)	AKR1004
		(TERMINAL 2P)	RKC-061
⚠	J1	(LEAD WIRE UNIT)	DDF1016
⚠	J3	(LEAD WIRE UNIT)	DDF1018
		(PCB BINDER)	VEF1040

E SOUSA BOARD ASSY

Mark	No.	Description	Part No.
SEMICONDUCTORS			
	IC702		LB1740
	IC703		NJM4556AD
	IC701		PE5021B
	IC704, IC705		TC74HC174AF
	Q702, Q704, Q706		2SA1036K

Mark	No.	Description	Part No.
	Q717–Q727		2SC2412K
	Q707–Q716		2SD2114K
	Q701, Q703, Q705		DTC124EK
	D701–D705, D707–D711		1SS355
	D745–D747, D776–D782, D784		BR5064X
	D792–D794		BR5064X
	D749, D751, D758, D760, D762		BR5074X
	D764		BR5074X
	D748, D750, D757, D759, D761		BR5364X
	D763, D765		BR5364X
	D754, D789		BR5374X
	D740–D743, D785–D788		SLP3118C51H
	D730–D739, D766–D775		SLP4118C51H
	D744, D752, D756, D791		SLP9118C51H
SWITCHES			
	S734		DSG1046
	S701		DSX1054
	S710–S724, S726–S733		VSG1008
CAPACITORS			
	C711, C712, C715, C716		CCSQCH270J50
	C714		CEAL101M6R3
	C702, C709		CEAL470M6R3
	C808, C809		CEJA101M16
	C713		CEJA470M10
	C801, C802		CEJANP470M16
	C701, C703–C708, C710		CKSQYB103K50
	C717, C718, C721–C727		CKSQYB103K50
	C731, C732, C740–C743		CKSQYB103K50
	C803, C804		CKSQYB103K50
RESISTORS			
	R814–R817		RD1/4VM301J
	VR701	(10kΩ-B)	DCS1045
	VR801	(10kΩ-B x2)	DCS1046
	VR702–VR704	(10kΩ-B)	DCS1047
	VR705–VR707	(10kΩ-B)	DCS1048
	Other Resistors		RS1/10S□□□ J
OTHERS			
		(CABLE HOLDER 3P)	51048-0300
		(CABLE HOLDER 5P)	51048-0500
	CN701	(CONNECTOR 22P)	52492-2220
	J703	(JUMPER WIRE 3P)	D20PYY0305E
	J801	(JUMPER WIRE 5P)	D20PYY0510E
	X701 (CRYSTAL RESONATOR 5.0MHz)		DSS1106
	CN702, CN703		TKC-A08P-A1510E

F JOG BOARD ASSY

SWITCHE			
	S901		DSX1051
OTHERS			
	CN903	(JUMPER CONNECTOR 3P)	52151-0310

Mark	No.	Description	Part No.

G MIDI BOARD ASSY

SEMICONDUCTORS			
	IC603		BU4066BCF
	IC602		PC900V
	IC601		TC74HCU04AF
	D601–D603		1SS355
CAPACITORS			
	C602–C605		CKSQYB103K50
	C601		CKSQYB105K10
RESISTORS			
	R601, R602, R607		RD1/4PU221J
	Other Resistors		RS1/10S□□□ J
OTHERS			
	JA601, JA602	(DIN CONNECTOR)	DKN1188
	KN601	(EARTH METAL FITTING)	VNF1084
	CN605	(CONNECTOR)	52151-0510

H 7SEG BOARD ASSY

SEMICONDUCTORS			
	D901–D907		NKR131S
	D911–D916		SML-210JT
RESISTORS			
	All Resistors		RS1/10S□□□ J
OTHERS			
	CN901, CN902	(CONNECTOR)	TKC-A08X-B1

I H.P BOARD ASSY

COILS AND FILTERS			
	L803–L805		VTL1105
SWITCHE			
	S801		DSH1048
CAPACITORS			
	C805, C807		CKSQYB103K50
	C806		CKSQYB473K50
RESISTORS			
	All Resistors		RS1/10S□□□ J
OTHERS			
	CN801	(JUMPER CONNECTOR 5P)	52147-0510

6. ADJUSTMENT

There is no information to be shown in this chapter.