

5. SERVICE PARTS LIST

5.1 Parts List for Mechanism

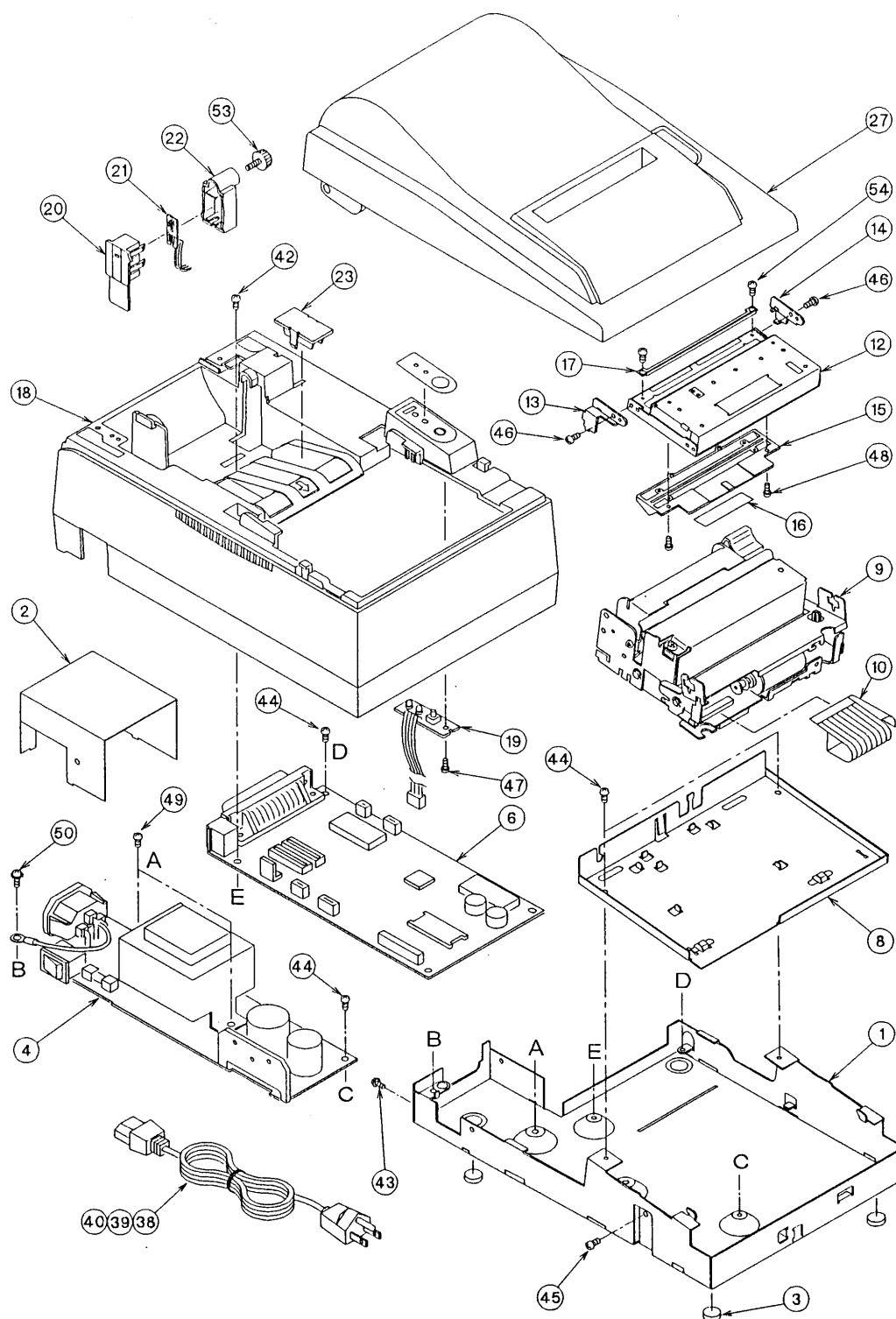
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Ref. No.	Parts No.	Description	iDP-3420	iDP-3421	iDP-3423
1	E62020380	Bottom Plate	1	1	1
2	E4002-570	Power Supply Cover	1	1	1
3	E6302-420	Foot	4	4	4
4	E40000240	Power Supply PCB Assy 3420-10 (U)	(1)	(1)	(1)
	E40000250	Power Supply PCB Assy 3420-10 (E)	(1)	(1)	(1)
6	E70010980	Control PCB Assy 3420-01 (Serial I/F)	1	1	1
	E70010985	Control PCB Assy 3420-02 (Parallel I/F)	1	1	1
8	E4002-580	Mechanism Chassis	1	1	1
9	410DF	Printer DP-410	1	1	1
10	E4900-570	Mechanism Flat Cable	1	1	1
12		Auto Cutter ACS-230-E		1	1
13	E8004-110	Cutter BK L		1	1
14	E8004-120	Cutter BK R		1	1
15	E8022-120	Paper Gate		1	1
16	E8039-010	Magnet Rubber		1	1
17	E6204-660	Manual Cutter		1	1
18	E62020850	Top Cover	1	1	1
19	E40000260	Operation Panel PCB Assy	1	1	1
20	E5110-570	PE Sensor Cover	1	1	1
21	E40000270	PE PCB Assy	1	1	1
22	E6611-660	PE Sensor Holder	1	1	1
23	E5103-550	DIP Switch Cover	1	1	1
25	E62040520	Printer Cover	1		
26	E6204-650	Paper Cutter	1		
27	E62040530	Printer Cover AC		1	
28	E62040540	Printer Cover AW Assy			1
30	E8500-080	AW Frame			1
31	E8514-030	Motor Cover			1
32	E8510-010	Motor Assy AW			1
33	E8512-040	Motor Roller			1
34	O-15	O Ring P-15			1
35	E8530-040	Reel Shaft			1
36	E8531-030	Reel Flange			1
38		AC Cord for 120V	(1)	(1)	(1)
39		AC Cord for 230V	(1)	(1)	(1)
40		AC Cord for 100V	(1)	(1)	(1)

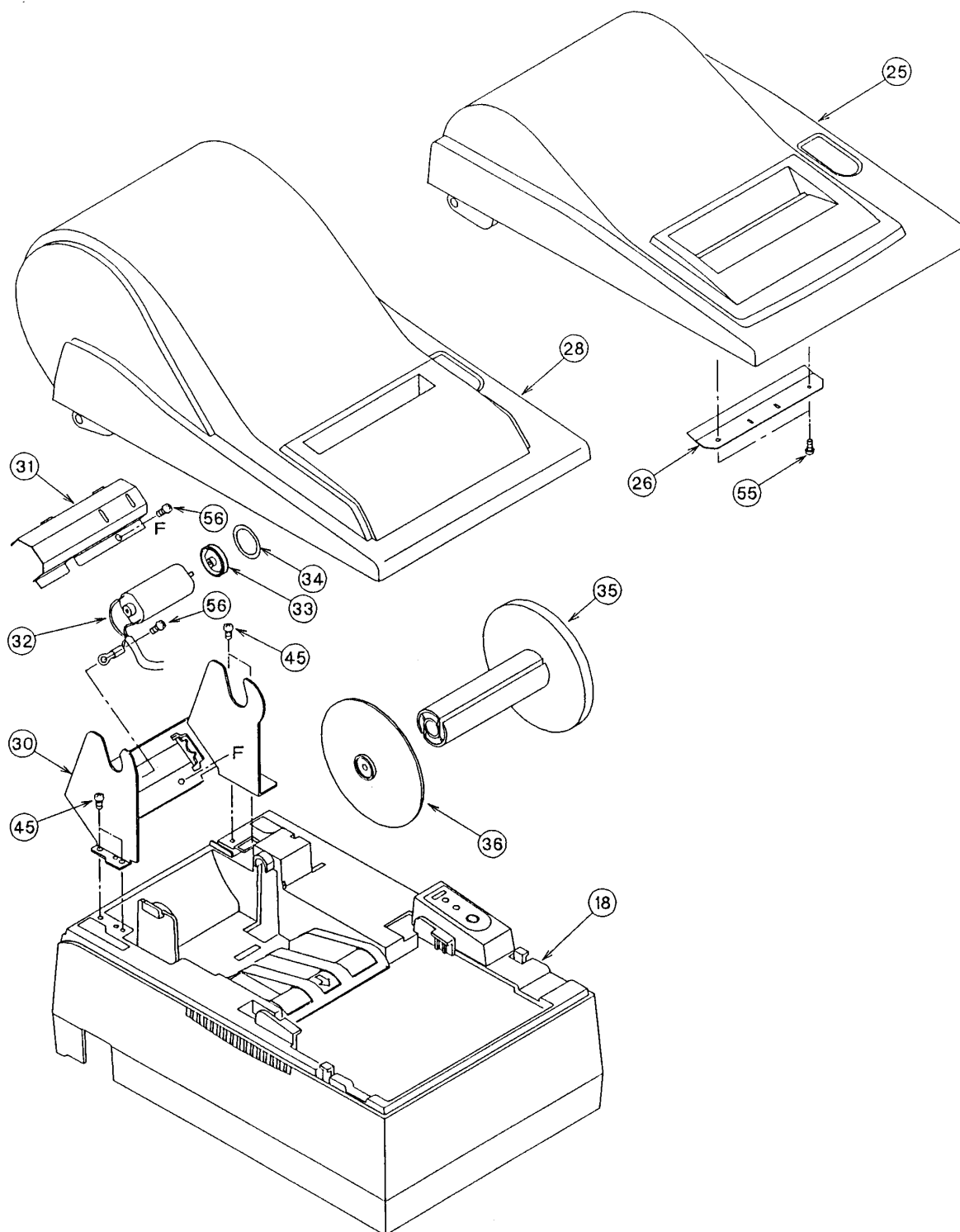
Ref. No.	Parts No.	Description	iDP-3420	iDP-3421	iDP-3423
42	76G22821	Screw PHT (ST), M3x8	1	1	1
43	76G42966	Screw PHT (INT. TW), M3x6	1	1	1
44	76G22579	Screw PHT (ST), M3x6	4	4	4
45	76G22796	Screw PHT (BT), M3x8	1	1	5
46	76G57481	Screw PHT (ST), M2.6x6		2	2
47	76G23179	Screw PHT (BT), M2.6x6	1	1	1
48	76G73082	Screw PH (ST), M2x5		4	4
49	76G73090	Screw PHT (ST), M4x8	2	2	2
50	76G42959	Screw PHT (ST), M4x6	1	1	1
51	76G73101	Nut M3	1	1	1
52	E4031-060	Insu-Lock Tie T18S	1	2	3
53	76G72849	Sensor Fixing Screw M3x12	1	1	1
54	76G57549	Screw PH (ST), M2x3		2	2
55	76G65879	Screw PH (BT), M2x4	2		
56	76G29538	Screw PHT (ST), M3x5			2
59	E8038-030	EMC Separated Core MSFC8KEX		1	1

5.2 Disassembly Drawing

5.2.1 For iDP-3421



5.2.2 For iDP-3420/3423



5.3 Parts List for PCB Assy

5.3.1 Control PCB Assy 3420-01 (Serial Interface D-sub 25)

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Ref. No	Parts No.	Description		iDP-3420	iDP-3421	iDP-3423
IC1	404PC-10	CPU	404PC-10	1	1	1
IC2	E104-660	EPROM	M27C512B	1	1	1
IC3	E107-350	SRAM	TC55257DPL-85L	1	1	1
IC4	E2010610	TTL-IC	SN74LS14AP	1	1	1
IC6	E2002-670	Reset IC	M51953BL	1	1	1
IC7,8	E202-950	Transmitter	MAX202CPE	2	2	2
IC9	E2010101	HCMOS	TC74HC00AP	1	1	1
IC10	E2010610	TTL-IC	SN74LS04AP	1	1	1
TA1	E390-300	Tr. Array	MTA001M F4002	1	1	1
TA2	E390-370	Tr. Array	M54567P	1	1	1
TA3		Tr. Array	TA8428K		1	1
TR1	E379-129	Transistor	2SD1292R	1	1	1
TR2-5,11, 12,14,15	E359-090	Transistor	2SC1740SR	8	8	8
TR7	E358-040	Transistor	RN1002	1	1	1
TR8,9	E359-170	Transistor	2SC4671-AN	2	2	2
TR10	E359-170	Transistor	2SC4671-AN			1
TR13	E359-200	Transistor	2SA1485	1	1	1
D1,2	E400-460	Diode	1S2076	2	2	2
ZD1	E406-505	Z. Diode	RD20EB2	1	1	1
Xtal	E501-410	X'tal	CST16.00MXW0C4	1	1	1
DSW1	E5103-490	DIP SW.	KSD-10	1	1	1
DSW2	E5103-510	DIP SW.	KSD-8	1	1	1
BZ	MEB12C5	Buzzer	MEB-12C-5	1	1	1
C1	E2010-960	El. Cap.	16YK100M	1	1	1
C2	E2010-920	El. Cap.	35YK47M	1	1	1
C3,4,12-26, CP1-5		C. Cap.	DD308-63F104Z50	22	22	22
C5-8,11,27, 28, 30		C. Cap.	DD104-63B102K50	8	8	8
C10	E2010-970	El. Cap.	35YK1000M			1
C29	E2010-970	El. Cap.	35YK1000M		1	1
C31		Cap.	FS0H-473Z	1	1	1
C32		C. Cap.	DD106-63F103Z50	1	1	1
C33-37		C. Cap.	DD104-63B471K50	5	5	5
RA1	E3500-040	Re. Array	M9-1-103J	1	1	1

Ref. No	Parts No.	Description		iDP-3420	iDP-3421	iDP-3423
RA2,6	E3500-290	Re. Array	M5-1-332J	2	2	2
RA3	E3500-300	Re. Array	M5-1-102J	1	1	1
RA4,5	E3500-050	Re. Array	M5-1-103J	2	2	2
R1		Resistor	RD25M10-1K J	1	1	1
R2		Resistor	RD25M10-22K J	1	1	1
R4,5,7,9,13, 18,19,23		Resistor	RD25M10-10K J	8	8	8
R6,14		Resistor	RD25M10-100 J	2	2	2
R8		Resistor	RD25M10-62K J	1	1	1
R10,11		Resistor	RD25M10-3.3K J	2	2	2
R12		Resistor	RD25M10-3.3K J			1
R15		Resistor	RD25M10-33K J	1	1	1
R16		Resistor	RD25M10-68K J	1	1	1
R17		Resistor	RD25M10-180 J	1	1	1
R20		Resistor	1.5 /1W	1	1	1
R22		Resistor	RD25M10-4.7K J	1	1	1
R24,25		Resistor	RD25M10-10K J		2	2
LB1-14, 22-30		Fe. Beads	BL02RN1-A62	23	23	23
LB15-17		Fe. Beads	BL02RN1-A62			3
LB18-21		Fe. Beads	BL02RN1-A62		4	4
CN1		Connector	5267-05A-X	1	1	1
CN2	E48000825	Connector	286216024000808	1	1	1
CN3	E48000880	Connector	ESDB-25S-R2N	(1) (JPN/EUR)	(1) (JPN/EUR)	(1) (JPN/EUR)
	E48000875	Connector	ESDB-25S-R1N	(1) (USA)	(1) (USA)	(1) (USA)
CN4	E48000530	Connector	TM5RJ3-66	1	1	1
CN5		Connector	5273-03A			1
CN6		Connector	5267-04A-X		1	1
CN7		Connector	5267-03A-X	1	1	1
CN8		Connector	5483-04A-X	1	1	1
JP102		Jumper	φ0.7 10mm	1	1	1
SC1	E48000860	Connector	00-8261-24-33-10-806	1	1	1
Rec1-8	E48000855	Receptacle	20-8261-0249-06-807	8	8	8
ICS	E48000870	IC Socket	87-2806S04	1	1	1
PC		PCB	3420-01	1	1	1

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Ref. No	Parts No.	Description	iDP-3420	iDP-3421	iDP-3423
		Screw Cylinder Head + Pan (ST), M3x10 (B-516)	2	2	2
		Nut (#2) M3 Fe Nip	2	2	2

5.3.2 Control PCB Assy 3420-02 (Parallel Interface)

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Ref. No	Parts No.	Description		iDP-3420	iDP-3421	iDP-3423
IC1	404PC-10	CPU	404PC-10	1	1	1
IC2	E104-660	EPROM	M27C512B	1	1	1
IC3	E107-350	SRAM	TC55257DPL-85L	1	1	1
IC4	E2010081	TTL-IC	SN74LS14AP	1	1	1
IC6	E2002-670	Reset IC	M51953BL	1	1	1
IC7	E2010630	TTL-IC	SN74LS373AP	1	1	1
IC8	E2010620	TTL-IC	SN74LS74AP	1	1	1
IC9	E2010101	HCMOS	TC74HC00AP	1	1	1
IC10,11	E2010610	TTL-IC	SN74LS04AP	2	2	2
IC12	E2010640	TTL-IC	SN74LS00AP	1	1	1
TA1	E390-300	Tr. Array	MTA001M F4002	1	1	1
TA2	E390-370	Tr. Array	M54567P	1	1	1
TA3		Tr. Array	TA8428K		1	1
TR1	E379-129	Transistor	2SD1292R	1	1	1
TR2-5,11, 12,14,15	E359-090	Transistor	2SC1740SR	8	8	8
TR7	E358-040	Transistor	RN1002	1	1	1
TR8,9	E359-170	Transistor	2SC4671-AN	2	2	2
TR10	E359-170	Transistor	2SC4671-AN			1
TR13	E359-200	Transistor	2SA1485	1	1	1
ZD1	E406-050	Z. Diode	R20EB2	1	1	1
Xtal	E501-410	X'tal	CST16.00MXW0C4	1	1	1
DSW1	E5103-490	DIP SW.	KSD-10	1	1	1
BZ	MEB12C5	Buzzer	MEB-12C-5	1	1	1
C1	E2010-960	El. Cap.	16YK100M	1	1	1
C2	E2010-920	El. Cap.	35YK47M	1	1	1
C3,4,17-21, CP1-9		C. Cap.	DD308-63F104Z50	16	16	16
C5-8,11,12, 14, 22		C. Cap.	DD104-63B102K50	8	8	8
C10	E2010-970	El. Cap.	35YK1000M			1
C13		C. Cap.	DD104-63B102K50		1	1
C15,25-29		C. Cap.	DD104-63B471K50	6	6	6
C16,24		C. Cap.	DD106-63F103Z50	2	2	2
C23	E2010-950	Cap.	FS0H-473Z	1	1	1
RA1,2	E3500-080	Re. Array	M9-1-332J	2	2	2
RA3,6	E3500-040	Re. Array	M9-1-103J	2	2	2
RA4	E3500-300	Re. Array	M5-1-102J	1	1	1
RA5,8	E3500-290	Re. Array	M5-1-332J	2	2	2

Ref. No	Parts No.	Description		iDP-3420	iDP-3421	iDP-3423
RA7	E3500-050	Re. Array	M5-1-103J	1	1	1
R1		Resistor	RD25M10-1K J	1	1	1
R2		Resistor	RD25M10-22K J	1	1	1
R4,6,8,12, 17,18,24		Resistor	RD25M10-10K J	7	7	7
R5,13,23		Resistor	RD25M10-100 J	3	3	3
R7		Resistor	RD25M10-62K J	1	1	1
R9,10,21,22		Resistor	RD25M10-3.3K J	4	4	4
R11		Resistor	RD25M10-3.3K J			1
R14		Resistor	RD25M10-33K J	1	1	1
R15		Resistor	RD25M10-68K J	1	1	1
R16		Resistor	RD25M10-180 J	1	1	1
R19		Resistor	1.5 /1W	1	1	1
R25,26		Resistor	RD25M10-10K J		2	2
LB1-14, 22-31		Fe. Beads	BL02RN1-A62	24	24	24
LB15-17		Fe. Beads	BL02RN1-A62			3
LB18-21		Fe. Beads	BL02RN1-A62		4	4
CN1		Connector	5267-05A-X	1	1	1
CN2	E48000825	Connector	286216024000808	1	1	1
CN3	E48000460	Connector	57LE-40360-730B(DC12)	1	1	1
CN4	E48000530	Connector	TM5RJ3-66	1	1	1
CN5		Connector	5273-03A			1
CN6		Connector	5267-04A-X		1	1
CN7		Connector	5267-03A-X	1	1	1
CN8		Connector	5483-04A-X	1	1	1
SC1	E48000860	Connector	00-8261-12-33-10-806	1	1	1
Rec1-4	E48000855	Receptacle	20-8261-0249-06-807	4	4	4
ICS	E48000870	IC Socket	87-2806S04	1	1	1
PC		PCB	3420-02	1	1	1
		Screw	Cylinder Head + Pan (ST), M3x10 (B-516)	2	2	2
		Nut (#2)	M3 Fe Nip	2	2	2

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Ref. No	Parts No.	Description	iDP-3420	iDP-3421	iDP-3423
FFC		FFC HCUJ(1.25)-24F-122- 8S4(W)-M1(20624)	1	1	1

5.3.3 Power Supply PCB Assy

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Ref. No	Parts No.	Description	Q'ty	Remarks
INR		Inlet AC-P06CN18	1	
SW		Switch SJ-W2P4A-01BB2	1	
FH		Fuse Holder UF-0033#1	4	
F1		Fuse 5MF-1A	(1) (U, J)	
		Fuse 218.500	(1) (E)	
F2		Fuse 5MF-1A	2	
NF		Noise Filter PLAA3221R0D01B1	1	
TR		Transformer 25-0173	(1) (JPN)	
		Transformer 25-0174	(1) (USA)	
		Transformer 25-0175	(1) (EUR)	
DS1		Diode Stack 2KBP02M	1	
DS2		Diode Stack KBP02M	1	
IC1		Regulator M5231TL	1	
IC2		Regulator μ PC2405HF	1	
TR1		Transistor 2SB1340	1	
C1,2		Film Cap. PA104-L	2	
C3		El. Cap. 63PN-G2200A 30x25	1	
C4		C. Cap. DD104-63B101K50	1	
C5		El. Cap. 50YK1M	1	
C6		El. Cap. 35YK470M	1	
C7		C. Cap. DD308-63F104Z25	1	
C8		El. Cap. 16YK3300M	1	
C9		El. Cap. 16YK100M	1	
R1		Resistor RD25M10-330 J	1	
R2		Resistor RD25M10-560 J	1	
R3		Resistor RNE1/4M10-20K F	1	
R4		Resistor RNE1/4M10-1.54K F	1	
CA1		Cable Assy 25-0353	1	