

6. SERVICE PARTS LIST

6.1 Parts List for Mechanism

EXPLODED VIEW

1/2

Ref. No.	Parts No.	Description	Q'ty	Remarks
1	E4002-490	Chassis Assy	1	
2		Chassis	(1)	
3		Motor BK	(1)	
5	E62020190	Bottom Plate (Serial)	1	
6	E62020200	Bottom Plate (Parallel)	1	
7	E6302-370	Foot	4	
8	E6601-330	Finger Guard	1	
9	E62010730	Upper Cover Assy	1	
10	E62010731	Upper Cover	(1)	
11	E6612-050	Roller	(2)	
12	E5200-250	Ope-pane Sheet	(1)	
13	E5049-030	PF Button	(1)	
14	E6611-670	Sensor Guard	1	
17	E62040560	Printer Cover A	1	
19	ACS-231	Auto Cutter	1	ACS-231
20	E8010-240	Mouth Plate	1	
21	E6220-660	Manual Cutter	1	
22	E66000270	Thermal Head Assy	1	
23		Thermal Head	(1)	RJ072-7S71
24	E6611-650	Paper Sensor Holder	(1)	
25	E 391-120	Photo Interrupter	(1)	GP2S40
27	E6601-310	Head BK	1	
28	E6601-320	Head Spring	2	
30	E8017-070	Motor	1	SMB40-4845-A
32	E8040-030	Platen Roller Assy	1	
33		Platen Roller	(1)	
34		Platen Bush	(2)	
35		Platen Gear	(1)	
37		E-Ring	(4)	No. 4
38		Platen Lever L	(1)	
39		Platen Lever R	(1)	

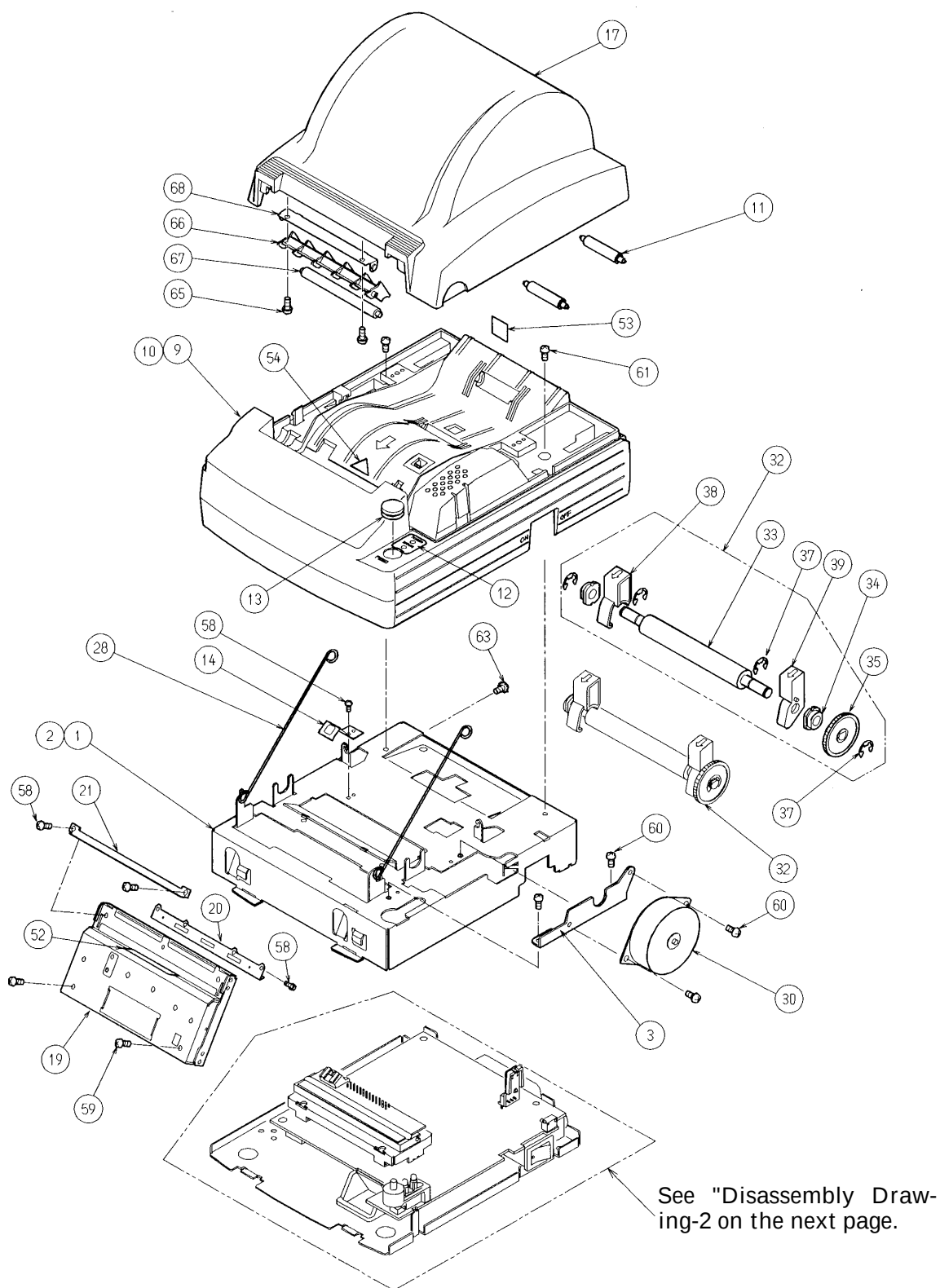
EXPLODED VIEW

2/2

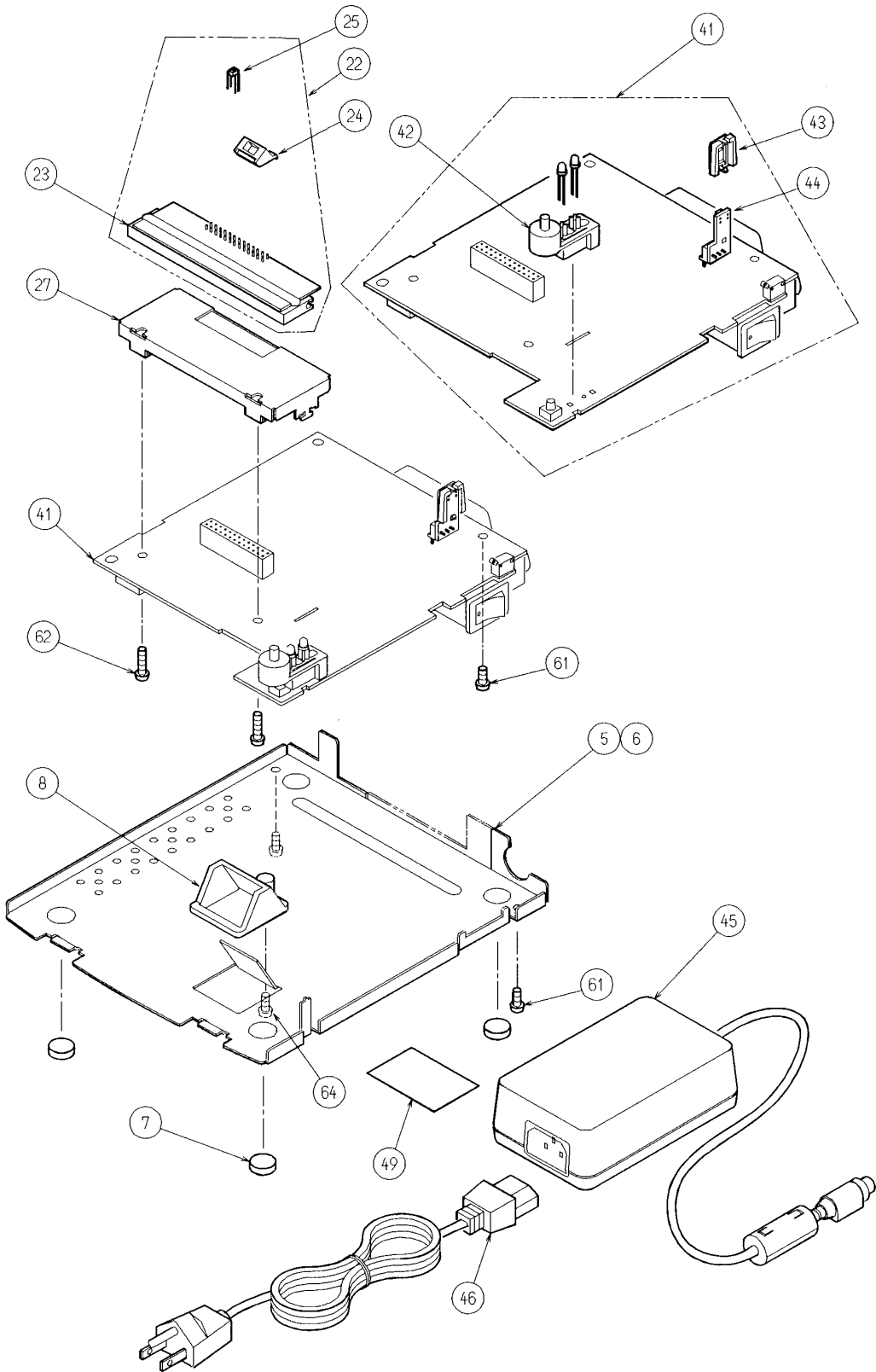
Ref. No.	Parts No.	Description		Q'ty	Remarks
41	E77001-495	Control PCB Assy	3221-01 (Serial EUR)	(1)	
41	E77001-500	Control PCB Assy	3221-01 (Serial USA)	(1)	
41	E77001-505	Control PCB Assy	3221-02 (Parallel)	(1)	
42	E5071-140	LED Key top		(1)	
43	E5110-530	PE Sensor Cover		(1)	
44	E40000080	PE Sensor Assy		(1)	
45	31AD	AC Adapter	31AD	1	
46	E6100-735	AC Cord	for 120V	(1)	USA
	E6100-730	AC Cord	for 230V	(1)	EUR
49		Rating Label	3221-U	(1)	USA
		Rating Label	3221-E	(1)	EUR
52		Label	Don't touch 2	(1)	
53		Label	Drawer	(1)	
54		Label	Hot	1	
58	23G57459	Screw	M2×3 S Tight	5	
59	23G57481	Screw	M2.6×6 S Tight	2	
60	23G29538	Screw	M3×5 S Tight	4	
61	23G22821	Screw	M3×8 S Tight	6	
62	23G62837	Screw	M3×16 S Tight	2	
63	23G42966	Screw	M3×6 S Tight with Toothed Lock Washer	1	
64	23G22796	Screw	M3×8 B Tight	1	
65	23G23179	Screw	M2.6×6 B Tight	2	
66	E8031-100	Roller Holder		1	
67	E8031-110	Roller		1	
68	E8031-120	Roller Spring		1	

6.2 Disassembly Drawing

• Disassembly Drawing-1



• Disassembly Drawing-2



6.3 Parts List for Control PCB Assy

6.3.1 Control PCB Assy 3221-01 (Serial Interface D-sub 25)

1/3

Ref. No	Parts No.	Description	iDP3221 R	iDP3221 P
IC1	E 104-580	CPU HD6413002F16	1	1
IC2	E 104-530	Gate Array CBM202LA-00	1	1
IC3	E 107-380	RAM GM76C8128C-55	1	1
IC4	E 210-130	Reset IC M51953BPF	1	1
IC5	E4101-720	DC/DC Converter SI-8401L	1	1
IC6	E 210-120	I/F-IC MAX232ACSE	1	
IC6	E2010650	TTL SN74LS244NS		1
IC7	E2010680	TTL SN74LS06NS		1
IC8	E2010670	TTL SN74LS07NS		1
IC102	E 104-690	EPROM M27C1001-45XF1	1	1
TA1	E390-290	Tr. Array STA471A	1	1
TA2	E 202-830	Tr. Array TA8428K	1	1
TR1,5	E 358-080	Transistor RN1302	2	2
TR2	E 358-090	Transistor 2SJ267-FD13	1	1
TR3,6,101	E 398-010	Transistor 2SC2412K-T146R	3	3
TR4	E 327-030	Transistor 2SB1065QR	1	1
TR7,8	E 359-170	Transistor 2SC4671-AN	2	2
TR9	E 398-010	Transistor 2SC2412K-T146R	1	
D1,2	E 400-470	Diode S1G-GI1	2	2
D3	E 400-610	Diode 1SS193	1	1
ZD1	E 406-080	Z. Diode RD6.2FB2	1	1
		LED Keytop 60-0181	1	1
LED1	E 480-390	LED SEL2410E (Green)	1	1
LED2	E 480-330	LED SEL2110S (Red)	1	1
C1,2,5,6,8,11 CP1-6,118	E2110-870	C. Cap. GRM40F104Z50PT	13	13
C3	E2022-730	Ele. Cap. 35V220MF	1	1
C4	E2047-685	Ele. Cap. 16V470MF	1	1
C7,12,101	E2110-875	C. Cap. GRM40B103K50PT	3	3
C9,10,13,14	E2110-880	C. Cap. GRM40B102K50PT	4	4
C15	E2110-870	C. Cap. GRM40F104Z50PT	1	
C15	E2110-900	C. Cap. GRM40B471K50PT		1
C16	E2110-870	C. Cap. GRM40F104Z50PT	1	
C16	E2110-900	C. Cap. GRM40B471K50PT		1
C17-20	E2110-870	C. Cap. GRM40F104Z50PT	4	

2/3

Ref. No	Parts No.	Description		iDP3221 R	iDP3221 P
C21	E2110-880	C. Cap	GRM40B102K50PT		1
C102-108	E2110-885	C. Cap.	GRM40B331K50PT	7	7
C110-115	E2110-905	C. Cap.	GRM40CH101J50PT	6	6
C116,117	E2110-900	C. Cap.	GRM40B471K50PT	2	2
CP7-9	E2110-870	C. Cap.	GRM40F104Z50PT		3
RA1,4,9	E3900-590	Re. Array	BCN4D-103JE	3	3
RA3	E3500-600	Re. Array	BCN4D-332JE	1	1
RA5	E3900-590	Re. Array	BCN4D-103JE		1
RA6,7,8	E3500-600	Re. Array	BCN4D-332JE		3
R1,2,12,13 106,109-111 113,114	E3900-380	C. Resistor	RK73K2A 3.3KΩ J	10	10
R3,6,16,28 103	E3900-390	C. Resistor	RK73K2A 100Ω J	5	5
R4	E3900-400	C. Resistor	RK73K2A 30KΩ J	1	1
R5,7,17,102 104	E3900-410	C. Resistor	RK73K2A 33KΩ J	5	5
R8,14,101	E3900-420	C. Resistor	RK73K2A 180Ω J	3	3
R9		Resistor	RSF2BC-2.7Ω J	1	1
R10,11,24,25 27,107,108	E3900-430	C. Resistor	RK73K2A 10KΩ J	7	7
R15,26	E3900-440	C. Resistor	RK73K2A 82KΩ J	2	2
R18,19,23	E3900-450	C. Resistor	RK73K2A 1KΩ J	3	3
R20,115	E3900-460	C. Resistor	RK73K2A 220Ω J	2	2
R21,22	E3900-470	C. Resistor	RK73K2A 330Ω J	2	2
R31	E3900-390	C. Resistor	RK73K2A 100Ω J		1
R112	E3900-380	C. Resistor	RK73K2A 3.3KΩ J		1
SW1	E4003-630	Switch	SF-W1P1A-01BB	1	1
SW2	E5102-490	Switch	SKHHBV	1	1
SW3	E5102-500	Switch	D3C-2220	1	1
J1		Jumper	φ0.7mm L=5mm	(1)	(1)
CN1	E48000690	Connector	TCS7960-53-2010	1	1
CN2	E48000695	Connector	PS-26SD-D4TS1-1	1	1
CN3	E48000700	Connector	B6B-PH-K-S	1	1
CN4	E48000705	Connector	TM5RJ3-66	1	1
CN5	E4800-945	Connector	5267-04A-X	1	1

3/3

Ref. No	Parts No.	Description		iDP3221 R	IDP3221 P
CN7	E48000880	Connector	ESDB-25S-R2N	1(JPN/EUR)	
CN7	E48000875	Connector	ESDB-25S-R1N	1 (USA)	
CN7	E48000830	Connector	57RE-40360-730B(D29A)		1
CN9,10	E4800-940	Connector	5267-02A-X	(2)	(2)
DS1	E5103-520	DIP SW.	KSD10H	1	1
DS2	E5103-510	DIP SW.	KSD08H	1	
FB1,2	E4009-280	Fe. Beads	BL02RN2-R62	2	2
F1	E4005-795	Fuse	MS3	1	1
F2	E4005-770	Fuse	MQ1.5	1	1
X1	E 501-360	X'tal	CSTCS16.00MX0C3(SOP) or CST16.00MXW0C3(DIP)	1	1
L1,2,14-21	E4009-480	Fe. Beads	BLM41P600S	10	10
L3-13, 22-25 28,33-39 101-105 107, 108	E4009-490	Fe. Beads	BLM21A121S	30	30
L26,27,29-31 106	E4009-480	Fe. Beads	BLM41P600S	6	6
L32	E4009-490	Fe. Beads	BLM21A121S	1	
L32	E4009-480	Fe. Beads	BLM41P600S		1
L40-54	E4009-490	Fe. Beads	BLM21A121S		15
(CN8-2)	E4800080	PCB Assy	25-0331	(1)	(1)
PCB		PCB	3221-01	1	
PCB		PCB	3221-02		1
(IC102)	E48000920	IC Socket	2-644018-3	1	1
(IC102)		ROM Label	PLD-21	1	1
-		Head BK	50-0181	1	1