



WORD PROCESSOR (WP-1 β SERIES)

PARTS REFERENCE LIST

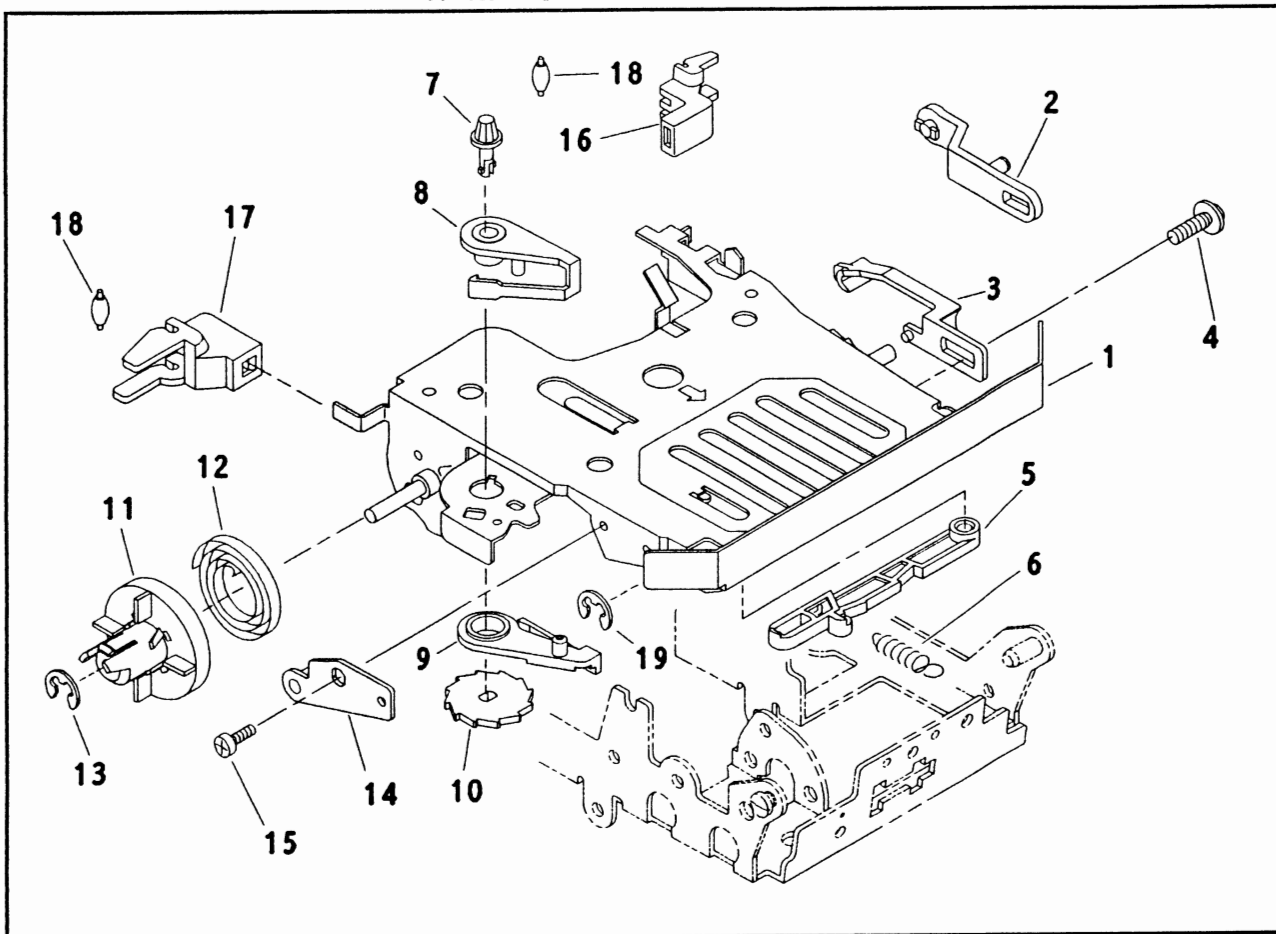
MODEL:WP-2450DS

MECHANICS & ELECTRONICS

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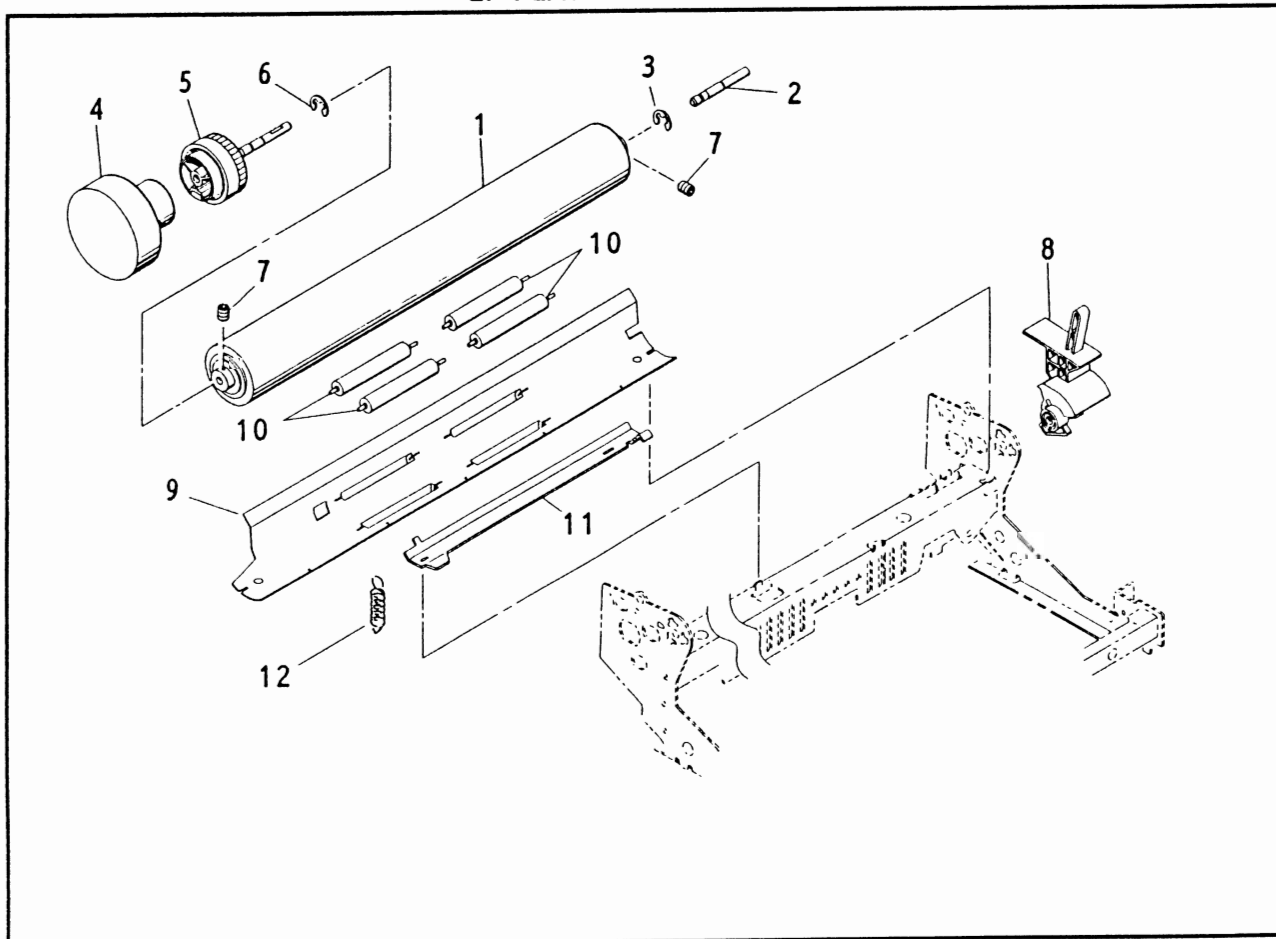
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1. RIBBON FEED MECHANISM



53V-301-017

2. PLATEN MECHANISM



53V-301-031

1. RIBBON FEED MECHANISM

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1-18	UA3270002	1	RIBBON VIBRATOR ASSY	
1	UA2218002	1	RIBBON VIBRATOR SUB ASSY RE	
2	U08513001	1	CORRECTION FEED LINK	
3	UA2221001	1	CO WHEEL HOOK	
4	536933001	1	SCREW, PAN (S/P WASHER) M2.6X6	
5	U11209000	1	RIBBON FEED CRANK	
6	UA7645001	1	SPRING, EXTENSION	
7	U08509001	1	RIBBON FEED JOINT	
8	U11211001	1	RIBBON FEED HOOK	
9	U11212000	1	RIBBON FEED RATCHET	
10	U08510001	1	RIBBON FEED RATCHET WHEEL	
11-12	U02720001	1	CS SPINDLE L SPRING ASSY	
11	542302001	1	CO SPOOL SPINDLE L	
12	U02719001	1	SPRING, SPIRAL	
13	048020346	1	RETAINING RING, E2	
14	U11213002	1	CO CAM FOLLOWER SUB ASSY	
15	062300506	1	SCREW, PAN M3X5	
16	UA2222001	1	CORRECTION GUIDE R	
17	U06775001	1	CORRECTION GUIDE L	
18	U06776001	2	CORRECTION GUIDE ROLLER	
19	048030346	1	RETAINING RING, E3	

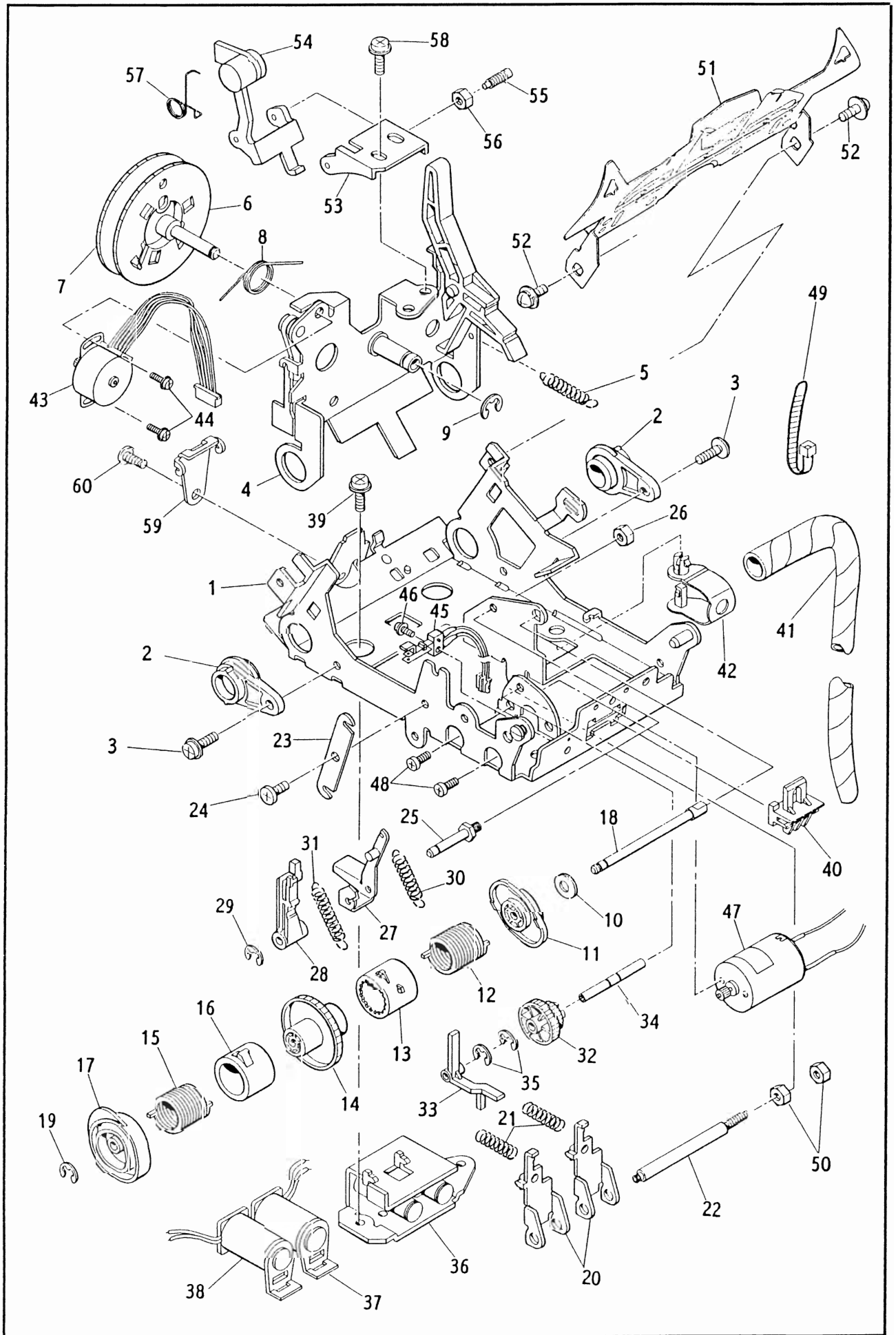
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2. PLATEN MECHANISM

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	U11217001	1	PLATEN 12	
2	UA2601001	1	PLATEN SHAFT (R)	
3	048040346	1	RETAINING RING, E4	
4	UA2602021	1	PLATEN KNOB, GRAY1251	
4	UA2602011	1	PLATEN KNOB, GRAY738 WP-2450DS	
5	UA2603001	1	PAPER FEER GEAR ASSY	
6	048040346	1	RETAINING RING, E4	
7	525745001	2	SET SCREW, SOCKET (CP) M4X6W	
8	UA2605021	1	PAPER RELEASE LEVER	
8	UA2605011	1	PAPER RELEASE LEVER, GRAY738 WP-2450DS	
9	UA2606001	1	PAPER PAN ASSY	
10	U05656001	4	PAPER HOLD ROLLER	
11	U11231000	1	PAPER PAN HOLD PLATE	
12	U11232001	1	SPRING, EXTENSION	

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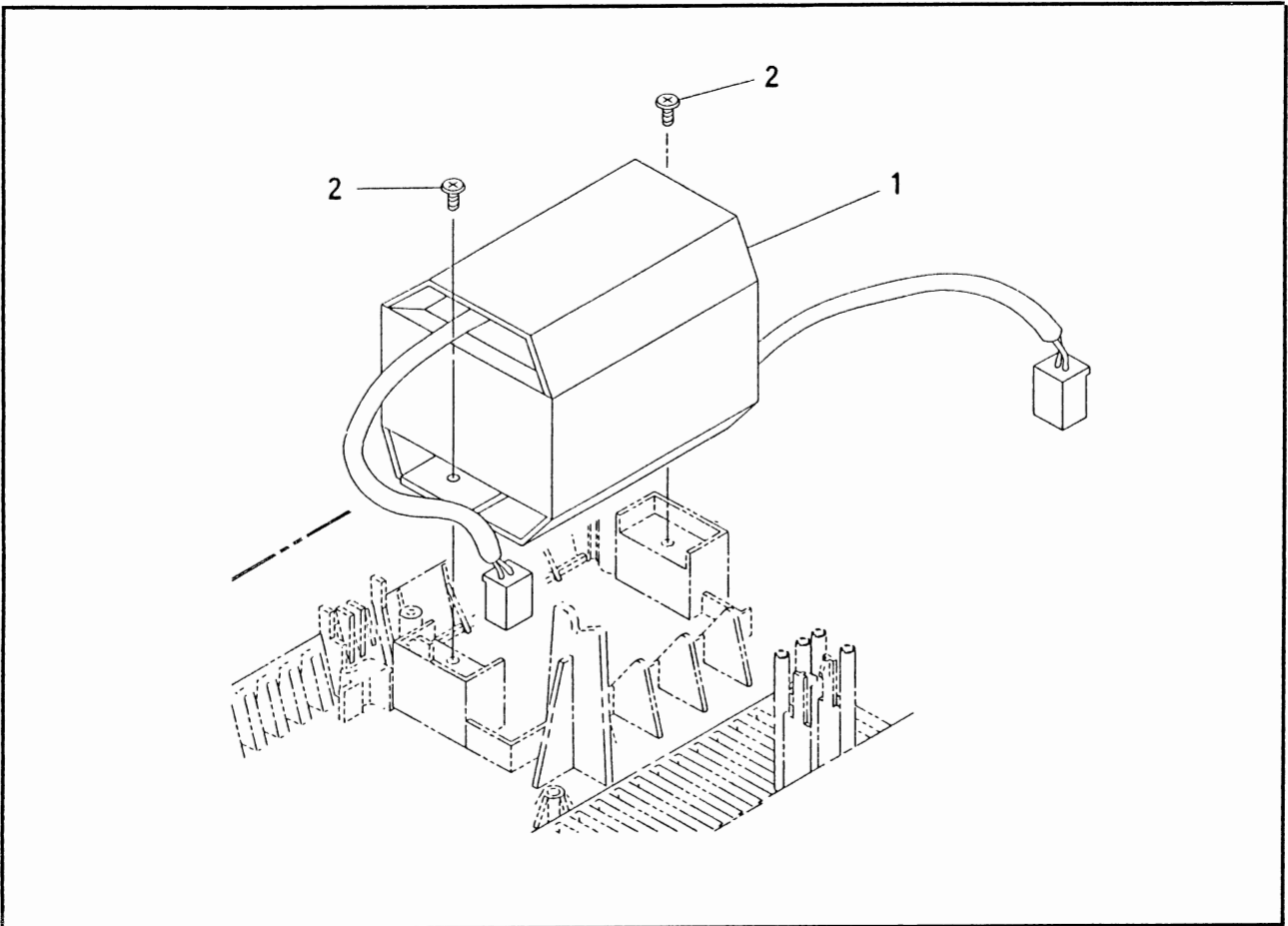
3. CARRIER MECHANISM



3. CARRIER MECHANISM

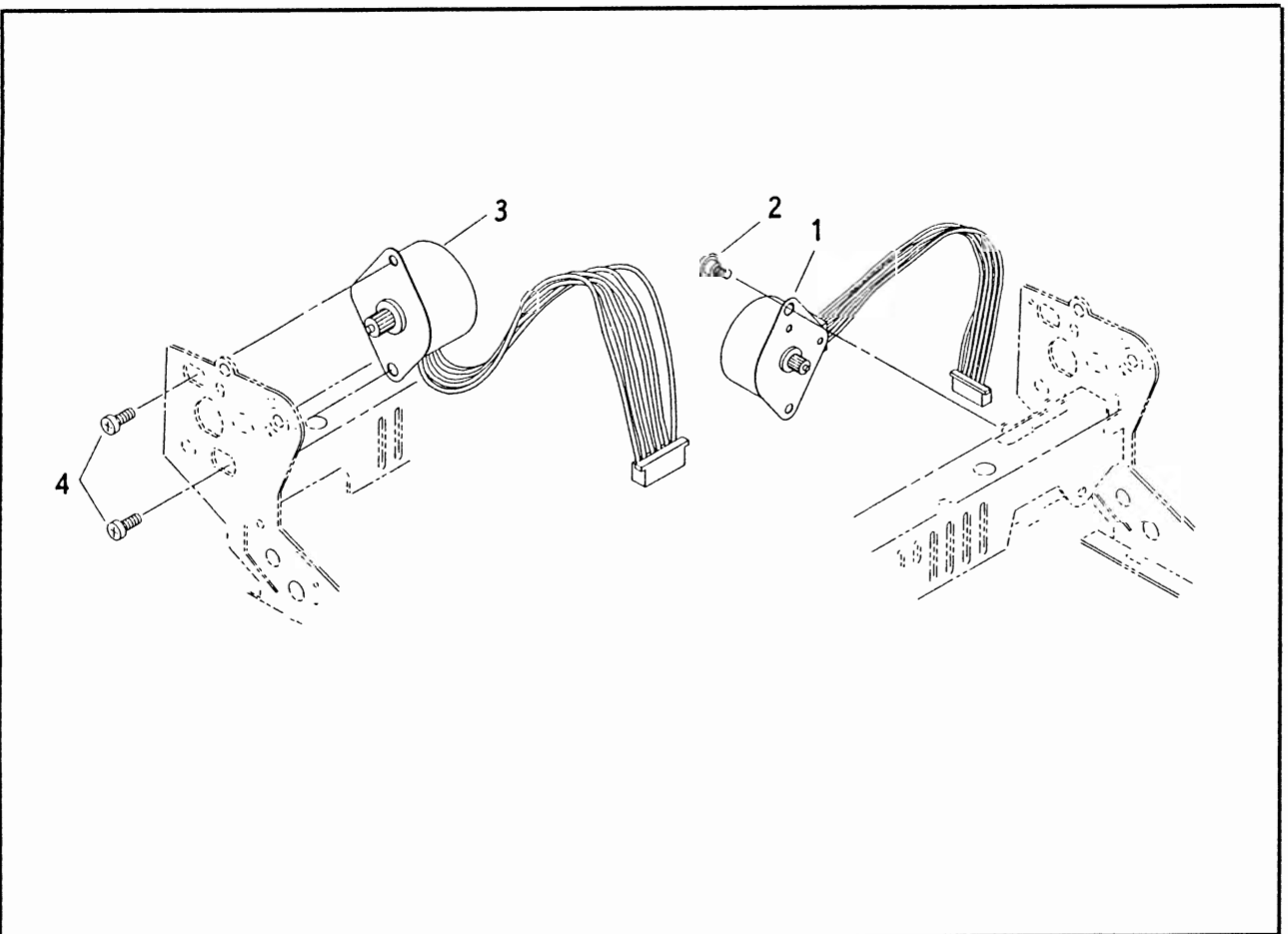
REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	U11258001	1	HEAD HOLDER SUB ASSY	
2	UA4215000	2	CARRIER RAIL BEARING B	
3	571672001	2	SCREW, FLANGED M3X5	
4	UA2189001	1	MOTOR HOLDER SUB ASSY	
5	U05906001	1	SPRING, EXTENSION	
6	U18552001	1	DAISY WHEEL GEAR	
7	U08858001	1	DAISY WHEEL SUB GEAR	
8	U08629001	1	SPRING	
9	048030346	1	RETAINING RING, E3	
10-19	UA2634001	1	CLUTCH ASSY	
10	026030136	1	WASHER, PLAIN S 3	
11	U11283000	1	HAMMER CAM	
12	U08642001	1	HAMMER CLUTCH SPRING	
13	UA2635001	1	HAMMER CLUTCH COLLAR	
14	U11285000	1	CLUTCH GEAR	
15	U08645001	1	CORRECTION CLUTCH SPRING	
16	U11280001	1	CORRECTION CLUTCH COLLAR	
17	U11286000	1	CORRECTION CAM	
18	U11287001	1	SHAFT	
19	048020346	1	RETAINING RING, E2	
20	UA4224001	2	CLUTCH ARMATURE ASSY B	
21	U02926001	2	SPRING	
22	U18504001	1	SHAFT	
23	U11293000	1	CLUTCH SHAFT CLAMP	
24	062300506	1	SCREW, PAN M3X5	
25	U11294001	1	SHAFT SCREW	
26	021300205	1	NUT, 2 M3	
27	U11295001	1	HAMMER DRIVE CRANK SUB ASSY	
28	U11298000	1	RIBBON OPERATION CRANK	
29	048020346	1	RETAINING RING, E2	
30	U11299001	1	SPRING, EXTENSION	
31	U11300001	1	SPRING, EXTENSION	
32	U11301000	1	CLUTCH GEAR	
33	U11302001	1	CR HOME POSITION CRANK	
34	U11303001	1	SHAFT	
35	048020346	2	RETAINING RING, E2	
36-38	UA4677001	1	HAMMER SOLENOID ASSY	
36	U11804001	1	HAMMER SOLENOID YOKE SUB ASSY	
37	UA2637001	1	HAMMER SOLENOID COIL ASSY	
38	UA2638001	1	CORRECTION SOLENOID COIL ASSY	
39	571672001	2	SCREW, FLANGED M3X5	
40	U11311001	1	HEAD GUIDE	
41	U11313000	1	SPIRAL TUBE	
42	U11314001	1	TUBE HOLDER	
43	UA4786001	1	DAISY WHEEL MOTOR	
44	U11776001	2	SCREW, FLANGED M3X3.5	
45	UA2160001	1	LEAF SWITCH ASSY	
46	U02021001	1	SCREW, FLANGED M2.6X10	
47	UA2643001	1	RIBBON MOTOR ASSY	
48	UA4500001	2	SCREW, PAN M3X3.2	
49	U17807000	2	CABLE TIE	
50	021300205	2	NUT, 2 M3	
51	UA2639001	1	PAPER GUIDE SUB ASSY	
52	U09759001	2	SCREW, PAN (S/P WASHER) M3X6	
53-57	U11274002	1	HAMMER HOLDER ASSY	
53	U08632001	1	HAMMER HOLDER SUB ASSY	
54	U11277001	1	PRINT HAMMER SUB ASSY	
55	U11281001	1	CENTER SCREW	
56	021350206	1	NUT, 2 M3.5	
57	U08637001	1	SPRING	
58	U08671001	2	SCREW, PAN (S/P WASHER) M3X5	
59	U11312000	1	DRIVE WIRE CLAMP	
60	062350605	1	SCREW, PAN M3.5X6	

4. TRANSFORMER



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5. MOTOR



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4. TRANSFORMER

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UA2459000	1	TRANSFORMER, 100V	
1	UA2460000	1	TRANSFORMER, 110V	
1	UA2461000	1	TRANSFORMER, 117V	
1	UA2462000	1	TRANSFORMER, 127V	
1	UA2463000	1	TRANSFORMER, 200V	
1	UA2464000	1	TRANSFORMER, 220V	
1	UA2465000	1	TRANSFORMER, 240V	
1	UA2467000	1	TRANSFORMER, 117V CSA	
2	U08740001	2	TAPTITE, BIND B M4X12	

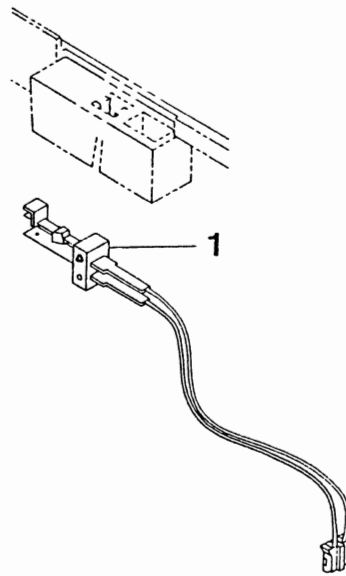
53V-301-050

5. MOTOR

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	Z24393001	1	HEAD DRIVE MOTOR	
2	U11776001	2	SCREW, FLANGED M3X3.5	
3	Z24385001	1	PAPER FEED MOTOR	
4	062260406	2	SCREW, PAN M2.6X4	

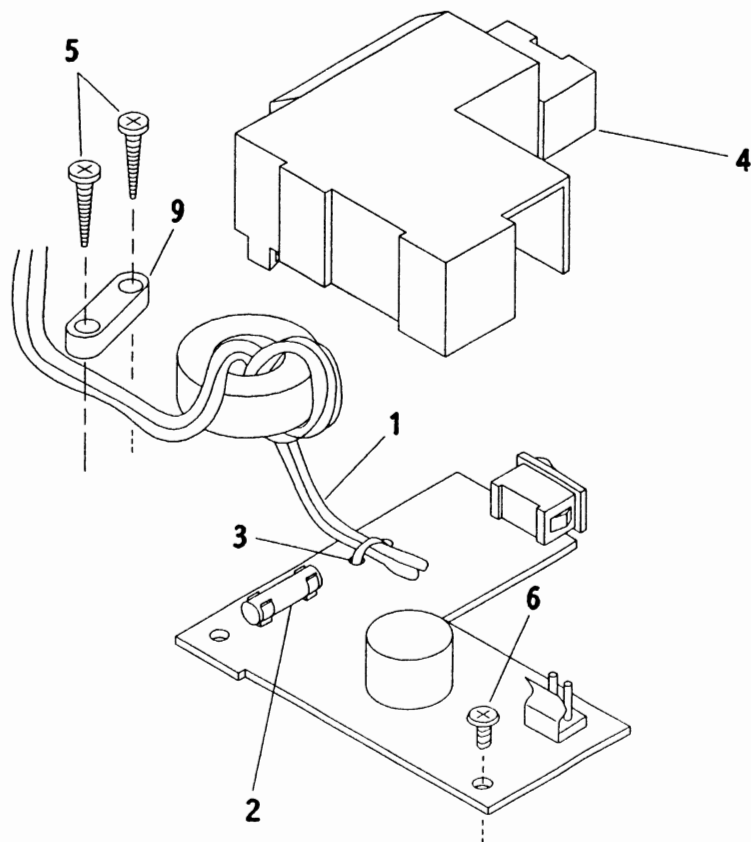
53V-301-054

6. DETECTOR



53V-301-100

7. FILTER PCB ASSEMBLY



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6. DETECTOR

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UA2161001	1	LEAF SWITCH ASSY	

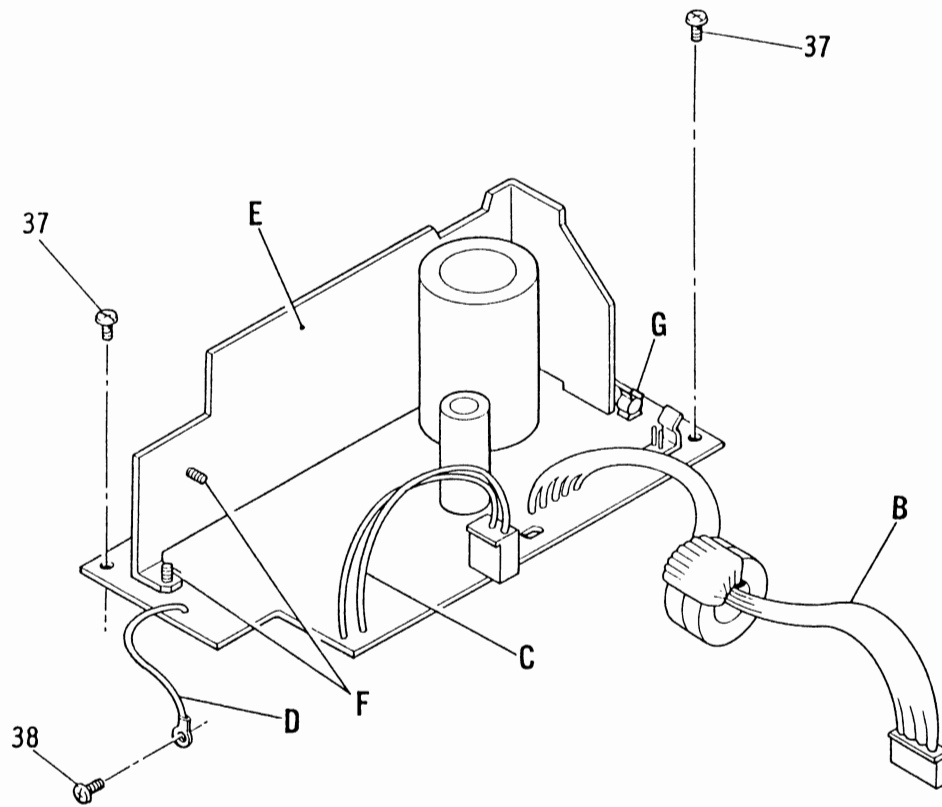
53V-301-100

7. FILTER PCB ASSEMBLY

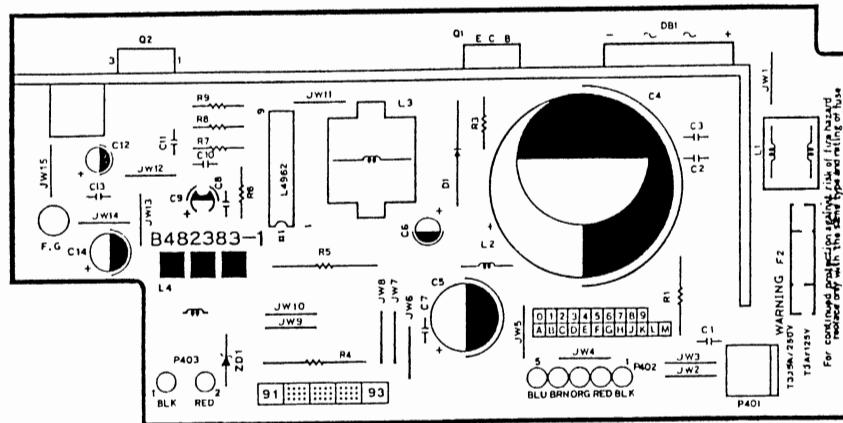
REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1-2	UA1701001	1	FILTER PCB ASSY 1, 100V	
1-2	UA1702001	1	FILTER PCB ASSY 2, 110-120V	
1-2	UA1703001	1	FILTER PCB ASSY 3, 220-230V	
1-2	UA1704001	1	FILTER PCB ASSY 4, 240V	
1-2	UA1705001	1	FILTER PCB ASSY 5, SAA	
1-2	UA1706001	1	FILTER PCB ASSY 6, PERU	
1-2	UA2684001	1	FILTER PCB ASSY 7, 110-120V (SP)	
1-2	UA1708001	1	FILTER PCB ASSY 8, 127V	
1-2	UA1709001	1	FILTER PCB ASSY 9, BS SINGAPORE	
1-2	UA3585001	1	FILTER PCB ASSY 10, FEMKO	
1-2	UA1711001	1	FILTER PCB ASSY 11, BS GBR.	
1	UA2451001	1	AC CORD ASSY, 100V JAPAN	
1	UA2452001	1	AC CORD ASSY, 115V	
1	UA2453001	1	AC CORD ASSY, 220V	
1	UA2454001	1	AC CORD ASSY, BS 240V	
1	UA2455001	1	AC CORD ASSY, SAA	
1	UA2456001	1	AC CORD ASSY, UL 115V	
1	UA5458001	1	AC CORD ASSY, BSM SGP./GBR.	
2	UA2448000	1	GLASS FUSE, 1.6ATSC	
2	UA2449000	1	GLASS FUSE, 1.6A-5TT	
2	UA2450000	1	GLASS FUSE, 800MAS506	
2	UA6348000	1	FUSE, 800MA19181 BS GBR	
3	571852001	1	CORD CLAMP	
4	UA2323008	1	POWER SUPPLY COVER UL/CSA	
4	UA4784001	1	POWER SUPPLY COVER E OTHERS	
5	037301615	2	TAPPING SCREW, PAN V M3X16	
6	U05404001	1	TAPTITE, BIND B M3X8	

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8. POWER SUPPLY PCB ASSEMBLY



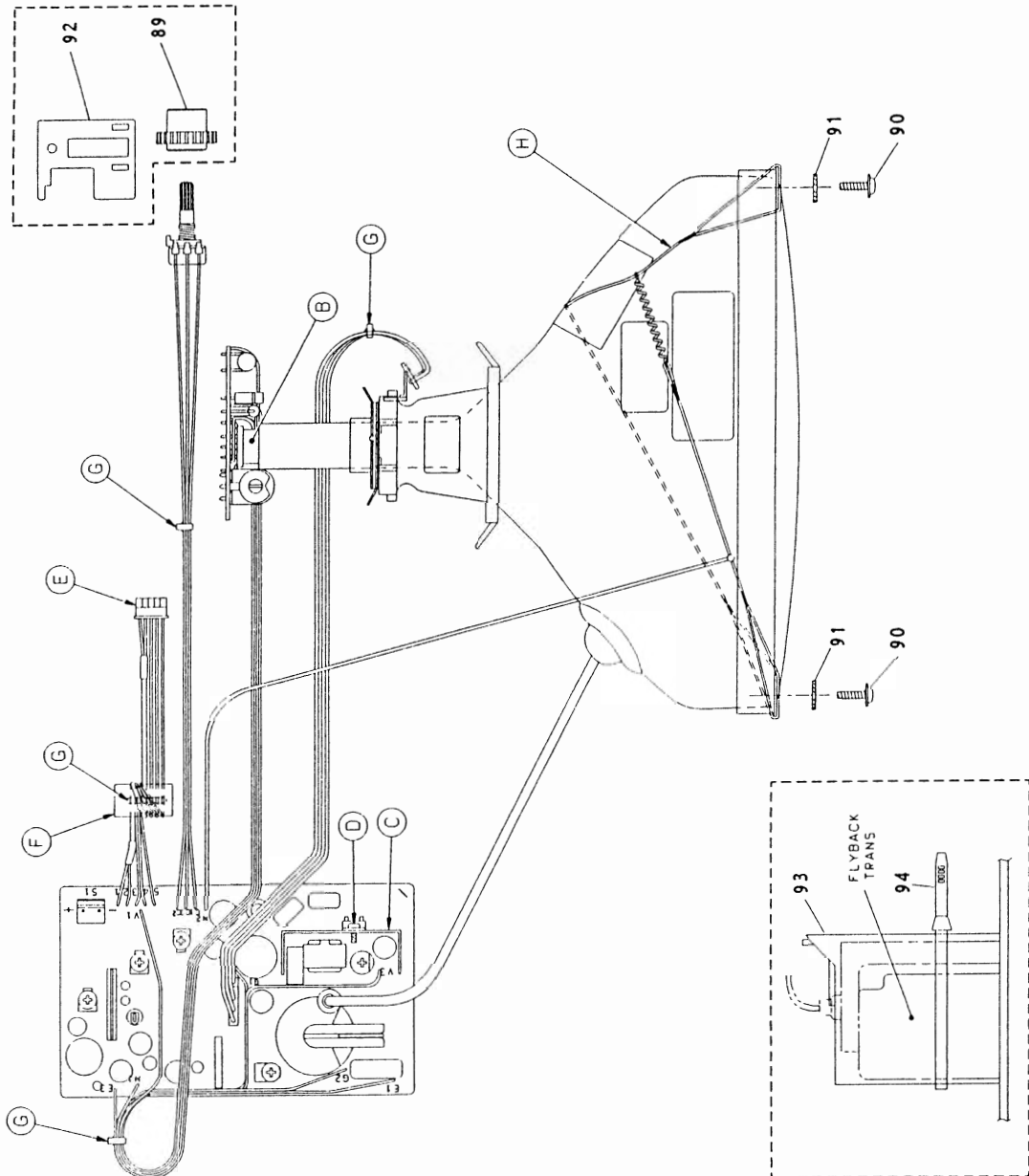
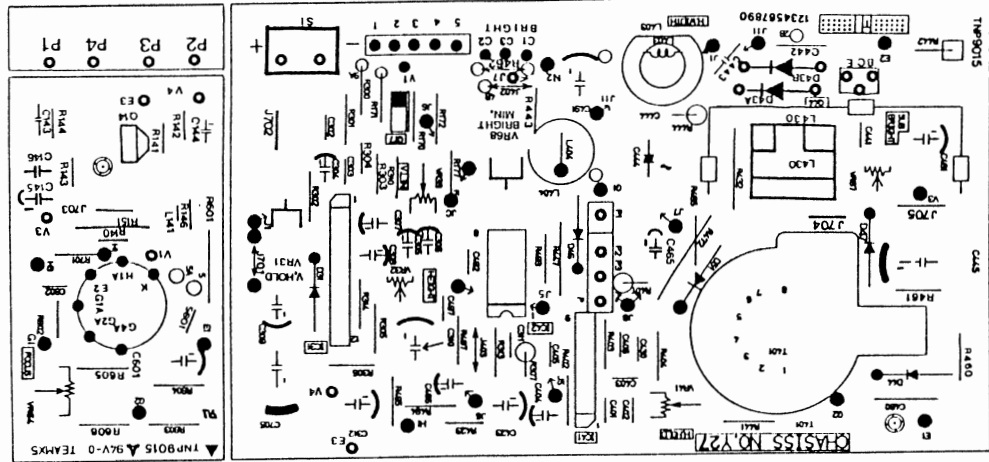
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8. POWER SUPPLY PCB ASSEMBLY

REF.NO.	SYMBOL	CODE	Q'TY	DESCRIPTION	RMKS
1-36	B482383-101A	UA2695001	1	PS PCB ASSY 1, 100-127V (SP)	
1-36	B482383-102	UA6213001	1	PS PCB ASSY 2, 200-240V	
1	#1	U85273000	1	IC:L4962	
2	Q2	136345001	1	REGULATOR:7805	
3	DB1	U17798000	1	DIODE, BR:D3SBA10	
4	Q1	UA6203000	1	TRANSISTOR, :2SC4150	
5	D1	UA6204000	1	DIODE, :SB360	
6	L1	U16735000	1	COIL:PLT1R53C	
7	L3	UC1314000	1	CHOKE COIL:140UH-3A	
8	L2	U32795001	1	FERRITE BEAD:BL01A	
9	L4	UA6205000	1	COIL:FL9H680K	
10	ZD1	UA6206000	1	DIODE, ZENER:MTZ15C	
11	C10	U18073000	1	CAPACITOR, CERAMIC 25SR333-249	
12	C7,13	U10389000	2	CAPACITOR, CERAMIC 25B104Z-249	
13	C11	Y21010001	1	CAPACITOR, CERAMIC 50B101	
14	C8	U18072000	1	CAPACITOR, CERAMIC 50B332-249	
15	C1,2,3	U10435000	3	CAPACITOR, CERAMIC 50B104-249	
16	C12	Y41011601	1	CAPACITOR, ALUM-ELEC 10B101	
17	C9	Y41002002	1	CAPACITOR, ALUM-ELEC 16B100	
18	C14	U18267000	1	CAPACITOR, ALUM-ELEC 16B101	
19	C5	Y42222001	1	CAPACITOR, ALUM-ELEC 16B222	
20	C6	Y41005602	1	CAPACITOR, ALUM-ELEC 50B100VS	
21	C4	UA1822000	1	CAPACITOR, ALUM-ELEC 50B682	
22	R9	090751110	1	FIXED RESISTOR, D-A14YG751R25	
23	R8	090561110	1	FIXED RESISTOR, D-A14YG561R25	
24	R3	Y01009411	1	FIXED RESISTOR, G-A12YJ100	
25	R7	090153120	1	FIXED RESISTOR, D-A14YJ153	
26	R6	090332120	1	FIXED RESISTOR, D-A14YJ332	
27	R4,5	UA6207000	2	FIXED RESISTOR, G-A3YJ20-1	
28	R1	U15635001	1	FIXED RESISTOR, G-A2YJ152	
29	P401	U18078000	1	CONNECTOR:5273-02A	
30	P402(B)	UA6208001	1	POWER SUPPLY HARNESS ASSY	
31	P403(C)	UA1819001	1	CRT HARNESS ASSY	
32	F,G(D)	UA1820000	1	GROUND WIRE #1	
33	E	UA6210000	1	HEAT SINK #1	
34	F	U06923001	4	TAPTITE, BIND B M3X10	
35	F2	UC1840000	1	GLASS FUSE, 3A-5TT	
35	F2	U17813000	1	GLASS FUSE, 3.15AS506	
36	G	U16537000	2	FUSE CRIP:S-N5057S	
37		U05404001	2	TAPTITE, BIND B M3X8	
38		062300506	1	SCREW, PAN M3X5	

9. MONITOR



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1-88A

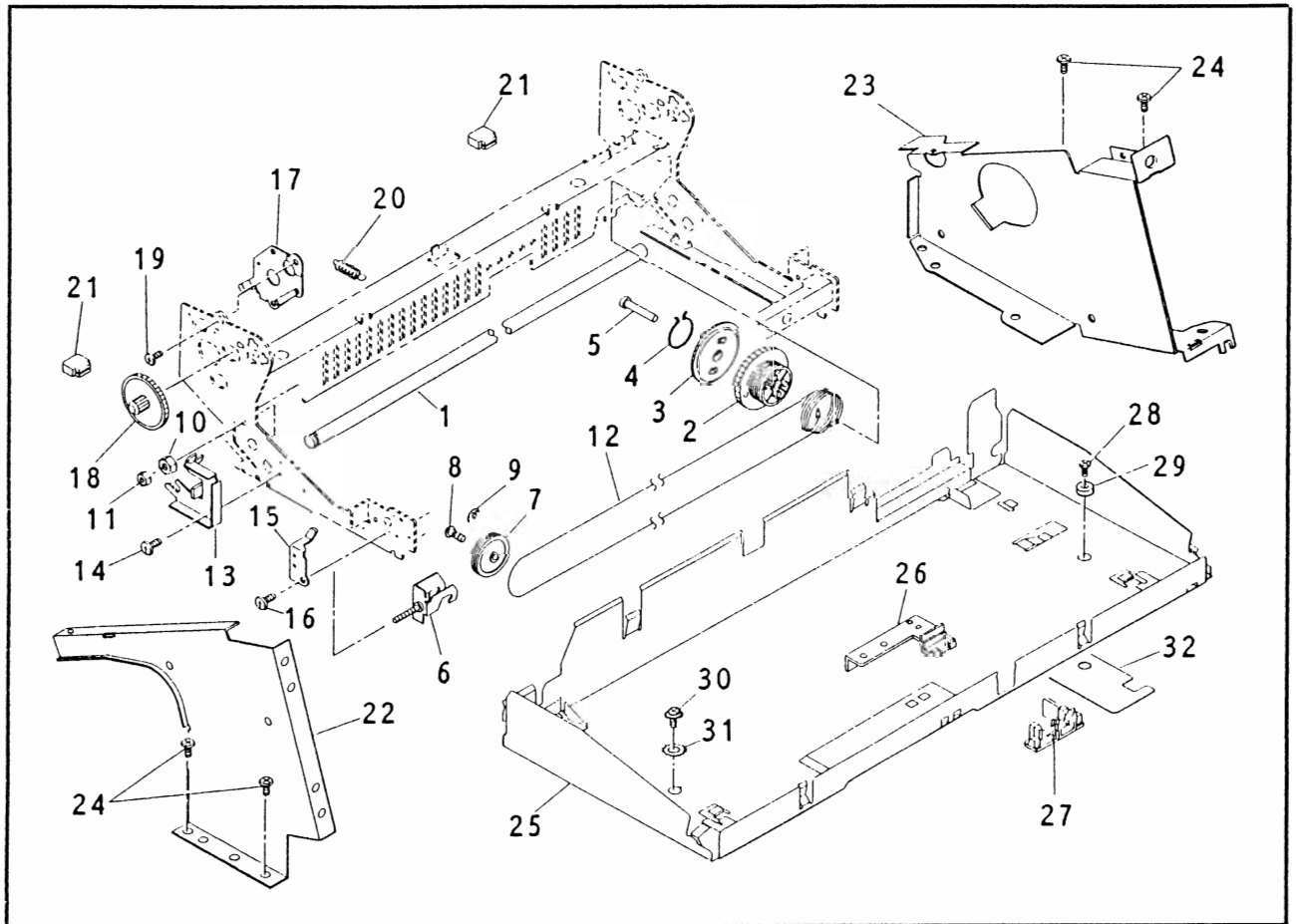
9. MONITOR

REF.NO.	SYMBOL	CODE	Q'TY	DESCRIPTION	RMKS
1-88A		UA2658001	1	CRT UNIT (SP) NORTHERN HEMISPHERE	
1-88A		UA1683001	1	CRT UNIT CTC-S SOUTHERN HEMISPHERE	
1-88	TNP9015	UA2666001	1	CRT PCB ASSY (SP)	
1	IC31	U78389000	1	IC:AN5763	
2	IC41	U78388000	1	IC:AN5753	
3	Q14	U78328000	1	TRANSISTOR, :2SC1360ANC	
4	Q17	U78330000	1	TRANSISTOR, :2SD636QR	
5	Q44	UC0104000	1	TRANSISTOR, :2SD1163A02	
6	D44	UA2428000	1	DIODE, :RGP01-14	
7	D46,51	UC0109000	2	DIODE, :TVR06J	
8	D43A,43B	UC0141000	2	DIODE, :TVR10J	
9	D47	U78547000	1	DIODE, :TVR06D	
10	D31	U78326000	1	DIODE, :10E1FC	
11	L141	U78369000	1	COIL:TLT047K991	
12	L403	UA2429000	1	COIL:TLH80707T-1D	
13	L404	U78367000	1	COIL:TLH80619T	
14	L430	U78366000	1	TRANSFORMER:TLH80410	
15	C143	Y13912000	1	CAPACITOR, CERAMIC 50B391	
16	C602	UC0281000	1	CAPACITOR, CERAMIC 500B102	
17	C308	Y43300001	1	CAPACITOR, ALUM-ELEC 6.3B330	
18	C310	Y41021001	1	CAPACITOR, ALUM-ELEC 10B102	
19	C307	Y41002001	1	CAPACITOR, ALUM-ELEC 16B100	
20	C309	Y42212001	1	CAPASITOR, ALUM-ELEC 16B221	
21	C423	Y43312001	1	CAPACITOR, ALUM-ELEC 16B331	
22	C312	Y44712001	1	CAPACITOR, ALUM-ELEC 16B471	
23	C491	Y41022001	1	CAPACITOR, ALUM-ELEC 16B102	
24	C705	Y42222001	1	CAPACITOR, ALUM-ELEC 16B222	
25	C404	Y44793001	1	CAPACITOR, ALUM-ELEC 25B47-1	
26	C145	Y41006001	1	CAPACITOR, ALUM-ELEC 63B100	
27	C461	Y41016001	1	CAPACITOR, ALUM-ELEC 63B101	
28	C465	U78391000	1	CAPACITOR, ALUM-ELEC 350B33-1	
29	C406	Y51020000	1	CAPACITOR, POLYESTER 50B102	
30	C303,403	Y51030000	2	CAPACITOR, POLYESTER 50B103	
31	C402,430	Y51530000	2	CAPACITOR, POLYESTER 50B153	
32	C401	Y51830000	1	CAPACITOR, POLYESTER 50B183	
33	C302	Y52230000	1	CAPACITOR, POLYESTER 50B223	
34	C311	Y53330000	1	CAPACITOR, POLYESTER 50B333	
35	C443	UA2442000	1	CAPACITOR, POLYESTER 400B223	
36	C442	UA2443000	1	CAPACITOR, POLYESTER 400B333	
37	C460	UA2430000	1	CAPACITOR, POLYESTER 1000B104	
38	C305,306	U78383000	2	CAPACITOR, TANTALUM 16B47-1	
39	C304	U78384000	1	CAPACITOR, TANTALUM 35B33-2	
40	C444	U78392000	1	CAPACITOR, ALUM-ELEC 25B120	
41	C405	UA2431000	1	CAPACITOR, STYROL 125B392	
42	R444	090122620	1	FIXED RESISTOR, D-A14AJ122S	
43	R307	090479120	1	FIXED RESISTOR, D-A14YJ47-1	
44	R143	090470120	1	FIXED RESISTOR, D-A14YJ470	
45	R146	090820120	1	FIXED RESISTOR, D-A14YJ820	
46	R144	090101120	1	FIXED RESISTOR, D-A14YJ101	
47	R313	090221120	1	FIXED RESISTOR, D-A14YJ221	
48	R140	090202120	1	FIXED RESISTOR, D-A14YJ202	
49	R404	090242120	1	FIXED RESISTOR, D-A14YJ242R25	
50	R402	090332120	1	FIXED RESISTOR, D-A14YJ332	
51	R301	090472120	1	FIXED RESISTOR, D-A14YJ472	
52	R172	090562120	1	FIXED RESISTOR, D-A14YJ562	
53	R493	090682120	1	FIXED RESISTOR, D-A14YJ682	
54	R170,171	090103120	2	FIXED RESISTOR, D-A14YJ103	
55	R310	090153120	1	FIXED RESISTOR, D-A14YJ153	
56	R462	090183120	1	FIXED RESISTOR, D-A14YJ183	
57	R403	090273120	1	FIXED RESISTOR, D-A14YJ273	
58	R401	090333120	1	FIXED RESISTOR, D-A14YJ333	
59	R302	090683120	1	FIXED RESISTOR, D-A14YJ683	
60	R305	090144120	1	FIXED RESISTOR, D-A14YJ144	
61	R465	090474120	1	FIXED RESISTOR, D-A14YJ474	
62	R304,306	U78398000	2	FIXED RESISTOR, D-A14AJ11-1	
63	R303,441,461	U78352000	3	FIXED RESISTOR, D-A14AJ68-1	
64	R460	UA2432000	1	FIXED RESISTOR, D-A14AJ220	
65	R423	U78353000	1	FIXED RESISTOR, D-A14AJ680	
66	R443	U78351000	1	FIXED RESISTOR, D-A14AJ122	
67	R602,605,606	U78350000	3	FIXED RESISTOR, D-A14AJ103	
68	R601	U78397000	1	FIXED RESISTOR, S-A12AK561	
69	R447	Y06800510	1	FIXED RESISTOR, G-A1AJ681	
70	R151	Y01801711	1	FIXED RESISTOR, G-A3YJ182	
71	R432	U78354000	1	FIXED RESISTOR, M-A2J100	
72	VR41	UA7724000	1	VARIABLE RESISTOR, D-1RLB102	
73	VR33,68	UA7723000	2	VARIABLE RESISTOR, D-1RLB103	
74	VR32	UA7722000	1	VARIABLE RESISTOR, D-1RLB503	
75	VR31	UA7721000	1	VARIABLE RESISTOR, D-1RLB104	
76	VR63	UA2446000	1	VARIABLE RESISTOR, D-1ROB104	
77	VR67	U78356000	1	VARIABLE RESISTOR, D-1RLB204	
78	VR64	U78357000	1	VARIABLE RESISTOR, D-1RLB205	
79	T401	U78365000	1	FB TRANSFORMER:TLF80337T-1	
80	S1	U16194000	1	CONNECTOR:5289-2A	

9. MONITOR

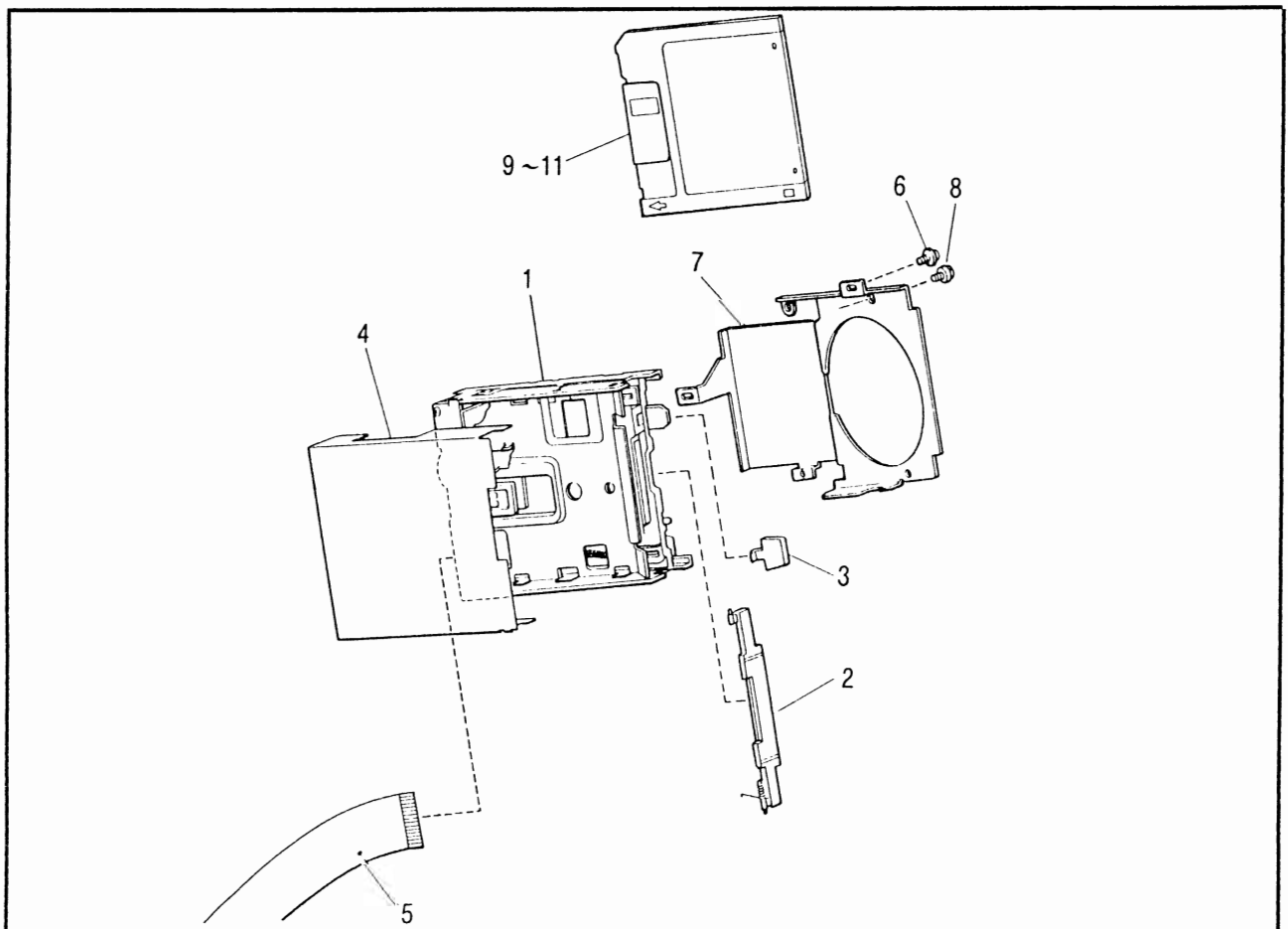
REF.NO.	SYMBOL	CODE	Q'TY	DESCRIPTION	RMKS
81	B	UC0113000	1	CRT SOCKET	
82	C	UA2434000	1	HEAT SINK:TUC4C0025	
83	D	535151001	1	SCREW, PAN 2 M3X8	
84-86	O	UA3537001	1	SIGNAL CABLE UNIT	
84	E	UA3538001	1	SIGNAL CABLE ASSY	
85	F	UA2447000	1	FILTER B5T, 25.9X14	
86	G	529545001	1	CABLE TIE	
87	G	529545001	4	CABLE TIE	
88	H	UA2437001	1	KNIT WIRE:TXA3A19015	
89		UA2321021	1	BLIGHTNESS CONTROLLER GRAY1251	
89		UA2321022	1	BLIGHTNESS CONTROLLER GRAY1252	
89		UA2321015	1	BLIGHTNESS CONTROLLER GRAY1135	
89		UA2321011	1	BLIGHTNESS CONTROLLER GRAY738,WP-2450DS	
90		U02082001	4	TAPPING SCREW, FLANGE 2 M4X12	
91		502673001	4	WASHER, EX TOOTH 4	
92		UA2322000	1	VOLUME HOLDER	

10. CHASSIS ATTACHMENT



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11. FLOPPY DISK DRIVE ASSEMBLY



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10. CHASSIS ATTACHMENT

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	U11242001	1	HEAD GUIDE SHAFT	
2-4	UA2619001	1	HEAD DRIVE PULLEY ASSY	
2	UA2620000	1	HEAD DRIVE PULLEY MAIN	
3	UA2621000	1	HEAD DRIVE PULLEY SUB	
4	UA2622000	1	HEAD DRIVE PULLEY SPRING	
5	U08575001	1	SHOULDER STUD	
6	U11244001	1	TENSION PULLEY HOLDER SUB ASSY	
7-9	U11246001	1	HEAD TENSION PULLEY ASSY	
7	U06824001	1	HEAD TENSION PULLEY	
8	U11247001	1	SHAFT	
9	048030346	1	RETAINING RING, E3	
10	U06958001	1	NUT, M3.5	
11	021350106	1	NUT, 1 M3.5	
12	U11248001	1	DRIVE WIRE ASSY	
13	UA2623000	1	PW HOME POSITION ACTUATOR	
14	062300506	1	SCREW, PAN M3X5	
15	U11251000	1	CR HOME POSITION LEVER	
16	062300506	1	SCREW, PAN M3X5	
17	UA2617001	1	P FEED MOTOR HOLDER SUB ASSY	
18	UA2325000	1	PAPER FEED IDLE GEAR	
19	U11256001	1	SHOULDER SCREW	
20	U11500001	1	SPRING, EXTENSION	
21	UA2624001	2	CHASSIS SUPPORT	
22	UA2625000	1	SUB CHASSIS	
23	UA7369000	1	FDD HOLDER	
24	U08740001	4	TAPTITE, BIND B M4X12	
25	UA2628000	1	SHIELD PLATE	
26	UA2629008	1	CABLE CLAMP	
27	UA2630008	1	CORD CLAMP	
28	UA2202001	1	TAPTITE, CUP M3.5X6	
29	UA2159000	1	COLLAR	
30	519475002	1	SCREW, FLANGED M3.5X6	
31	502673001	1	WASHER, EX TOOTH 4	
32	UA2200001	1	INSULATOR	

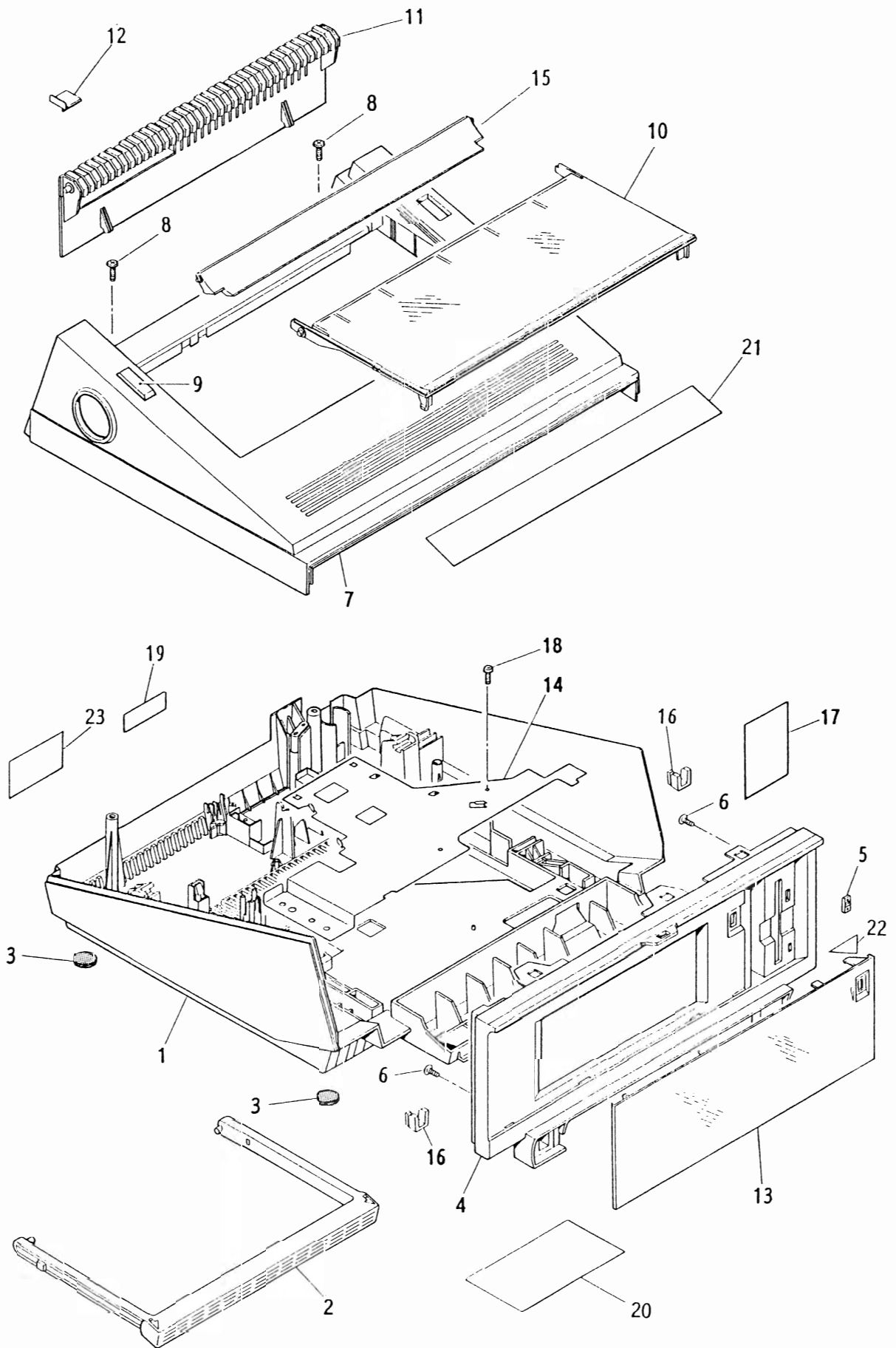
53V-311-034

11. FLOPPY DISK DRIVE ASSEMBLY

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UA8735011	1	FDD:D357T3B (SP) GRAY738 (WITH 2-4)	
2	UA8705011	1	CHASSIS SHUTTER BR GRAY738	
3	UA8706011	1	EJECT BUTTON BR GRAY738	
4	UA8718000	1	SHIELD CASE B	
5	UA7524001	1	FLAT CABLE	
6	U09759001	3	SCREW, PAN (S/P WASHER) M3X6	
7	UA8717000	1	FDD SUB HOLDER	
8	U11776001	3	SCREW, FLANGED M3X3.5	
9	UA8719001	1	2DD DISK ASSY WP-2450DS	
10	UA8721001	1	2DD DISK ASSY	
11	UA8723001	1	2DD DISK ASSY ENCYCLOPEDIA 1 WP-2450DS	
11	UA8725001	1	2DD DISK ASSY ENCYCLOPEDIA 2 WP-2450DS	
11	UA8727001	1	2DD DISK ASSY ENCYCLOPEDIA 3 WP-2450DS	
11	UA8729001	1	2DD DISK ASSY ENCYCLOPEDIA 4 WP-2450DS	
11	UA8731001	1	2DD DISK ASSY ENCYCLOPEDIA 5 WP-2450DS	

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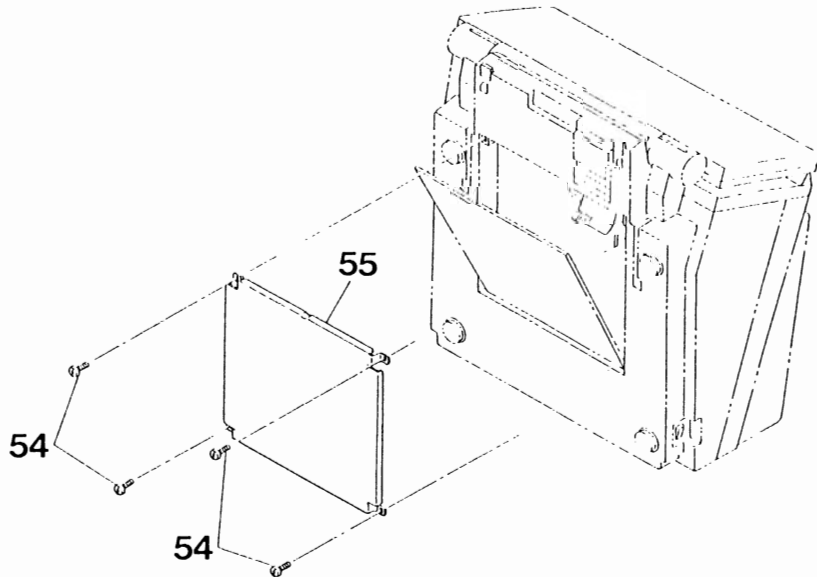
12. COVER



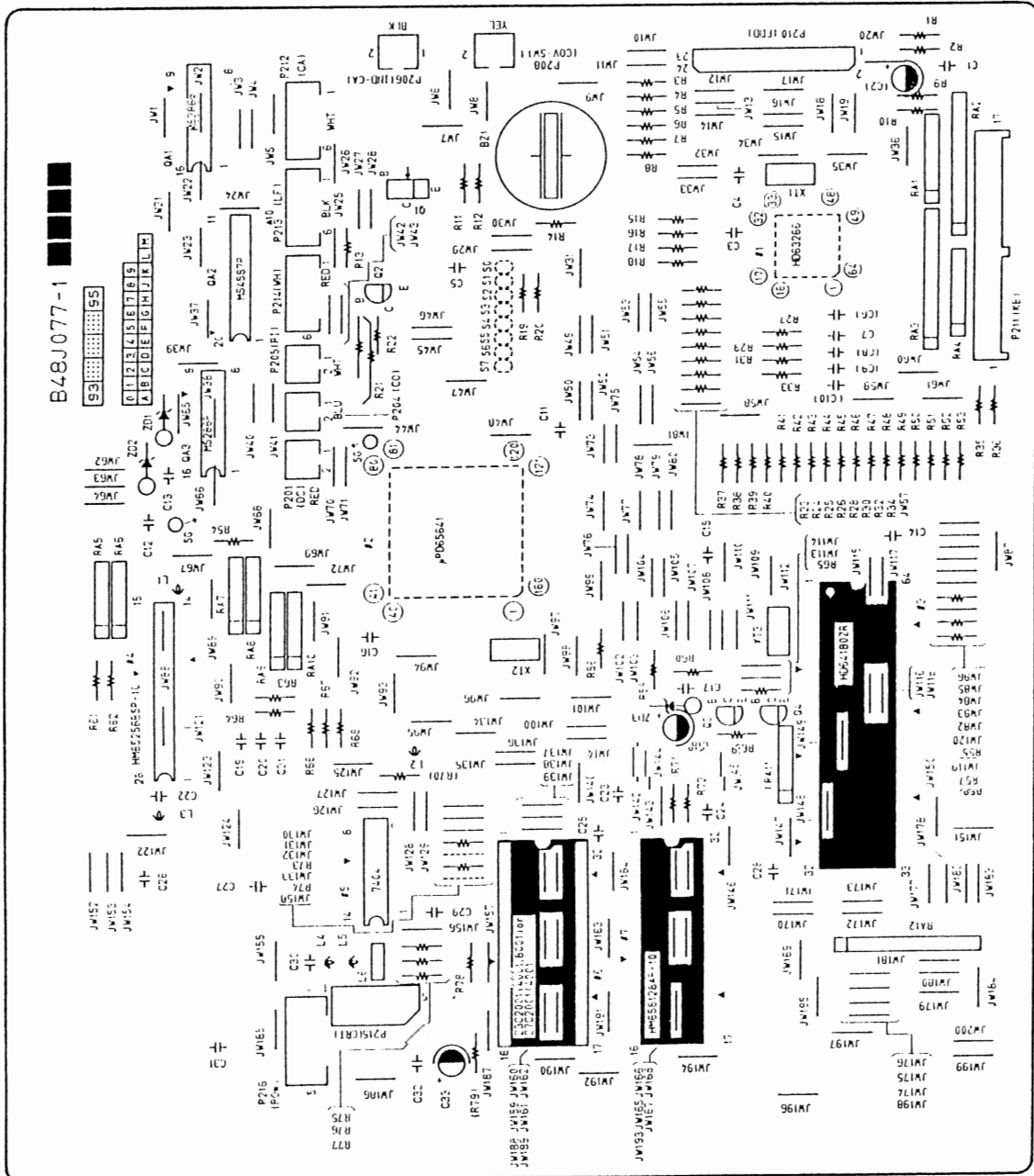
12. COVER

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1-3	UA4630011	1	BOTTOM COVER ASSY L, GRAY738	
1	UA4631011	1	BOTTOM COVER L, GRAY738	
2	UA4632011	1	HANDLE, GRAY738	
3	U78048001	4	RUBBER FOOT	
4-5	UA8712011	1	FRONT PANEL ASSY H	
4	UA8713011	1	FRONT PANEL H	
5	W01243001	1	LED LENS	
6	U08740001	4	TAPTITE, BIND B M4X12	
7	UA2149011	1	BODY COVER, GRAY738	
8	U78141001	2	TAPTITE, BIND B M4X20	
9	UA4641011	1	BODY COVER BLIND PANEL,GRAY738	
10	UA4643001	1	TOP COVER L, GRAY 1186	
11	UA2151011	1	PAPER SUPPORT, GRAY738	
12	U78059011	1	PAPER GUIDE, GRAY738	
13	UA8492001	1	CRT BLINDER	
14	UA3974000	1	GROUND PLATE	
15	UA2183011	1	PAPER REST, GRAY738	
16	UA2195008	2	TILT PLATE SPACER, GRAY1162	
17	UA2031001	1	VIBROISOLATING SHEET	
18	U05404001	1	TAPTITE, BIND B M3X8	
19	UA7632001	1	FCC LABEL	
20	UA4648001	1	ATTENTION LABEL	
21	UA8714001	1	FEATURE/DEMO LABEL	
22	UA8715001	1	S FEATURE/DEMO LABEL	
23	UA8716001	1	RATING LABEL, WP2450DS UL	

13. MAIN PCB ASSEMBLY



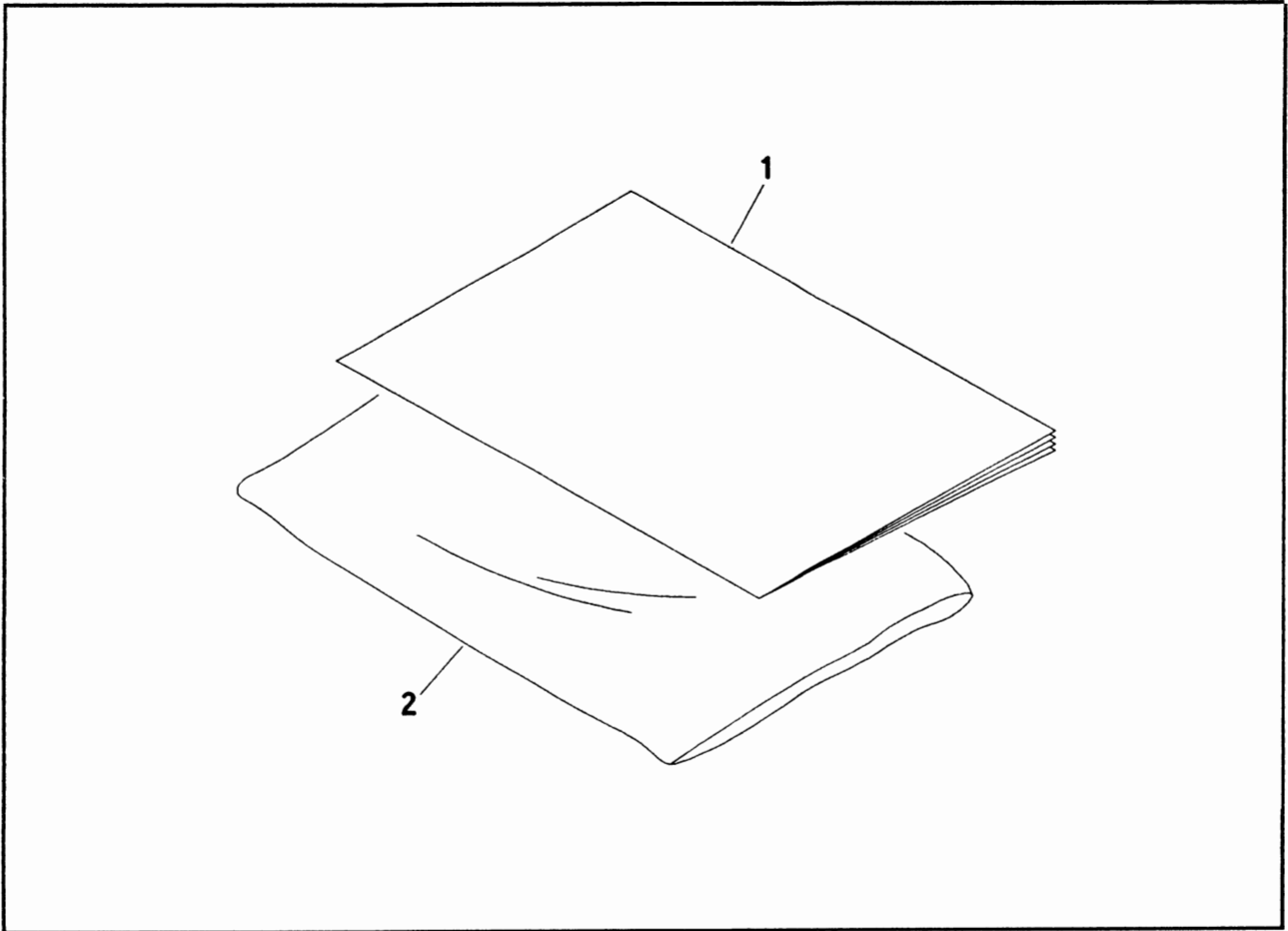
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13. MAIN PCB ASSEMBLY

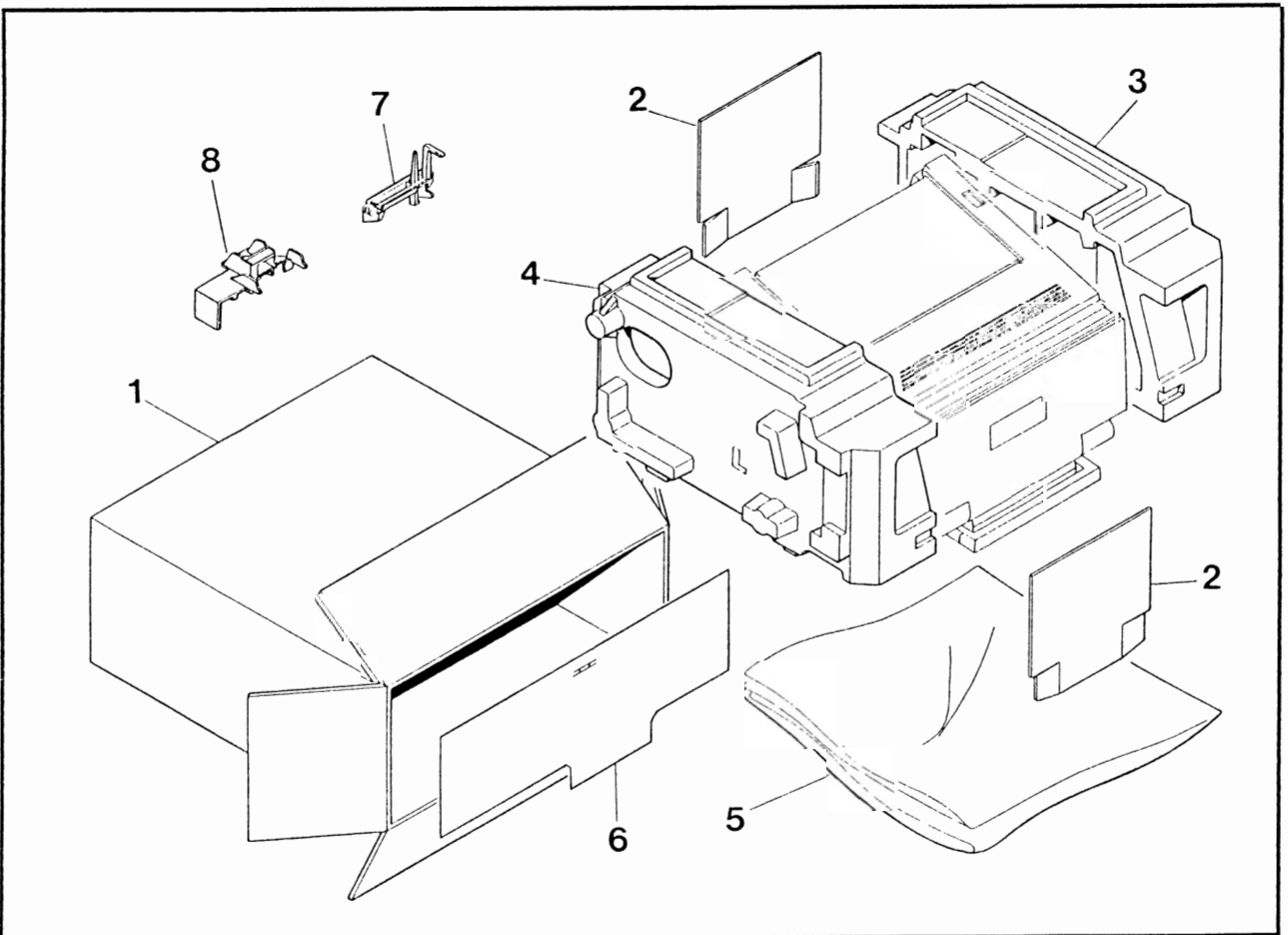
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1-53	B48J077-101	UA8733001	1	MAIN PCB ASSY A-1 (SP) USA. ENGLISH	
1	#3	UC3636000	1	MPU:HD64180ZR	
2	#6	UA8504001	1	LSI:HN62314BPG24 US	
3	#6	U18265000	1	IC SOCKET:ICC05-032-360TP	
4	#4	UA6228000	1	PSEUDO SRAM:HM65256BSP10	
5	#7	U38077000	1	PSEUDO SRAM:658128AL10	
6	#1	UC2835000	1	LSI:HD63266F	
7	#2	UA8602000	1	GATE ARRAY:UPD65641-036	
8	#5	UA6350000	1	IC:7404	
9	QA2	UA5454000	1	TRANSISTOR AR:M54587P	
10	QA1,3	U17826000	2	TRANSISTOR AR:M5286P	
11	Q2	U16774000	1	TRANSISTOR, :2SA1282A-FG	
12	Q1	U34923000	1	TRANSISTOR, :UN4211	
13	Q3,4	U15058000	2	TRANSISTOR, :2SC2603	
14	XT3	U78209000	1	CERAMIC OSCILLATOR, CST12.2MT	
15	XT2	UA6229000	1	CERAMIC OSCILLATOR:CST15.33MX	
16	XT1	UA6253000	1	CERAMIC OSCILLATOR:CST16M2C3	
17	ZD1,2	UA6206000	2	DIODE, ZENER:MTZ15C	
18	ZD3	UA6230000	1	DIODE, ZENER:HZ9B1L	
19	L3	UC1772000	2	COIL:SBT-0210	
20	L2,4,5	U78267000	3	COIL:SBT-0440	
21	L6	UA1734000	1	FILTER:2R2-101	
22	BZ1	132613001	1	BUZZER:PKM24	
23	C7	Y16802001	1	CAPACITOR, CERAMIC 50B680	
24	C22	Y21042421	1	CAPACITOR, CERAMIC 50B104	
25	C.1,3,4,5, 11,12,14,15, 16,17,23,24, 25,26,28,29, 31,32	U10389000	18	CAPACITOR, CERAMIC 25B104Z-249	
26	C18	Y41012602	1	CAPACITOR, ALUM-ELEC 16B101	
27	C33	Y41011602	1	CAPACITOR, ALUM-ELEC 10B101VS	
28	R23,24,25, 26,28,30,32, 34,61,62,66, 67,68	090101120	13	FIXED RESISTOR, D-A14YJ101	
29	R14	090471120	1	FIXED RESISTOR, D-A14YJ471	
30	R17,18,27, 29,31,33,54, 55,56,57,63, 64,71,72,78	090221120	15	FIXED RESISTOR, D-A14YJ221	
31	R3,4,5,6,7, 8,13,19,20, 65,73,74,77	090102120	13	FIXED RESISTOR, D-A14YJ102	
32	R59	090152120	1	FIXED RESISTOR, D-A14YJ152	
33	R37,38,39, 40,41,42,43, 44,45,69	090222120	10	FIXED RESISTOR, D-A14YJ222	
34	R11,12,58	090472120	3	FIXED RESISTOR, D-A14YJ472	
35	R22,46,47, 48,49,50,51, 52,53,60,75, 76	090103120	12	FIXED RESISTOR, D-A14YJ103	
36	R15,16,35,36	090104120	4	FIXED RESISTOR, D-A14YJ104	
37	R21	Y01000613	1	FIXED RESISTOR, GR-A2YJ101	
38	RA4	Y61046041	1	RESISTOR ARRAY, J104X6	
39	RA5,6	Y61013061	2	RESISTOR ARRAY, 101Y3J	
40	RA12	Y62218662	1	RESISTOR ARRAY, 221Y8 S	
41	RA7,8,9,10	Y62213061	4	RESISTOR ARRAY, 221Y3	
42	P205	U17118000	1	CONNECTOR:B2B-PH	
43	P201	U17118001	1	CONNECTOR:B2B-PH	
44	P206	U17118002	1	CONNECTOR:B2B-PH	
45	P204	U17118003	1	CONNECTOR:B2B-PH	
46	P208	U17118004	1	CONNECTOR:B2B-PH	
47	P216	UA6238000	1	CONNECTOR:B5B-XH-A	
48	P215	U15276000	1	CONNECTOR:5267-05A	
49	P212	U17119000	1	CONNECTOR:B6B-PH	
50	P214	U17119001	1	CONNECTOR:B6B-PH	
51	P213	U17119002	1	CONNECTOR:B6B-PH	
52	P210	UA7729000	1	CONNECTOR:9603S-24A	
53	P211	UA3044000	1	CONNECTOR:5229-17CPB	
54		UA8522000	4	TAPTITE, BIND B M3X12	
55		UA4674000	1	BOTTOM PLATE	

14. PRINTED MATTER



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15. PACKING MATERIALS



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14. PRINTED MATTER

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	592311061	1	USER'S MANUAL, USA. ENGLISH WP-2450DS	
1	592311001	1	USER'S MANUAL ENCYCLOPEDIA	
2	UA7282001	1	PERFORATED BAG	

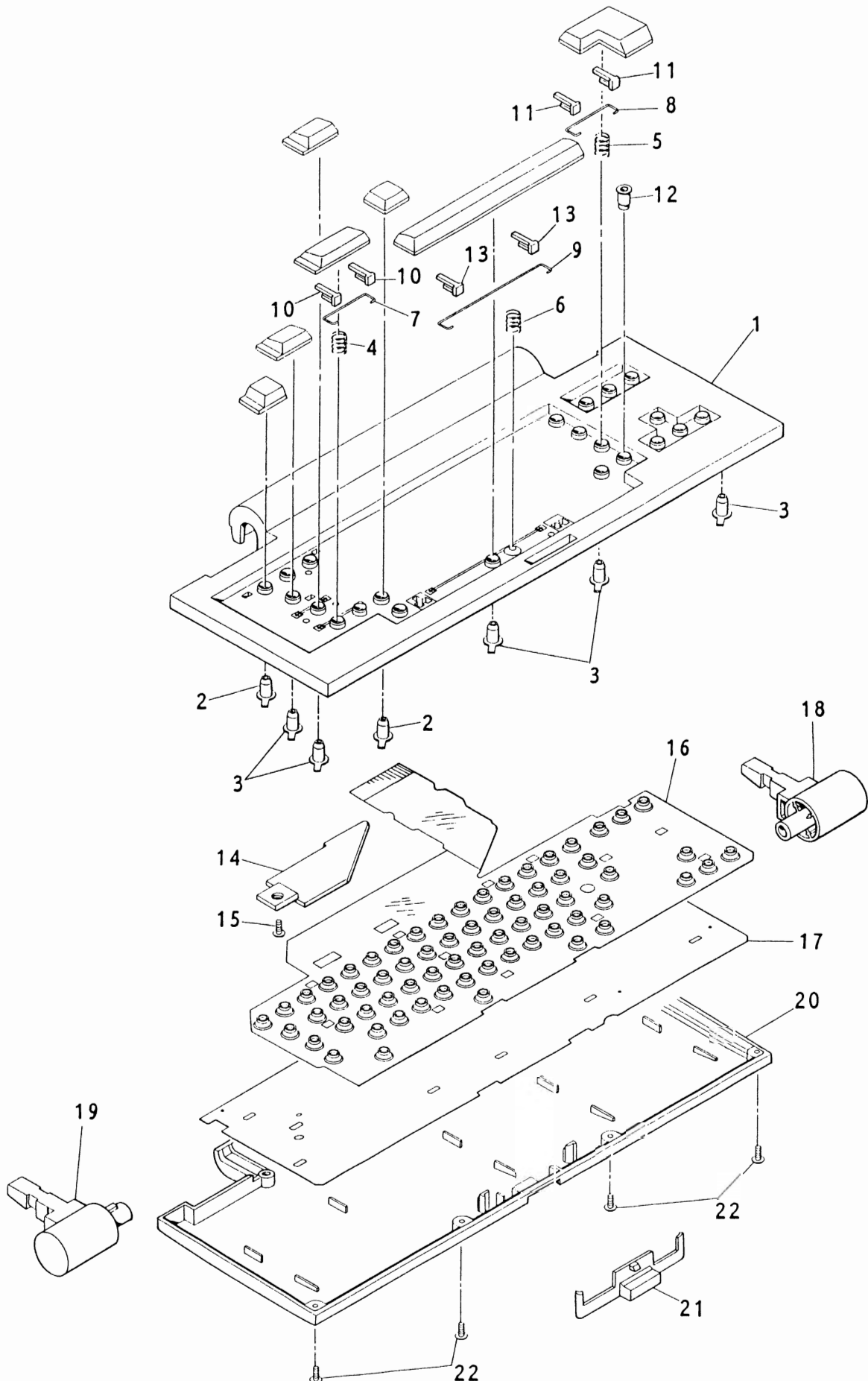
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15. PACKING MATERIALS

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	U62044021	1	CARTON NO BRAND	
1	U62383022	1	CARTON	
2	U61191000	2	PARTITION	
3	U62047001	1	STYROFOAM PAD R	
4	U62048001	1	STYROFOAM PAD L	
5	UA7284001	1	PERFORATED BAG	
6	U61790000	1	KB PROTECT SHEET	
7	U61729001	1	CARRIAGE STOPPER3V-201	
8	U62050001	1	RIBBON CASSETTE STOPPER3V-301	

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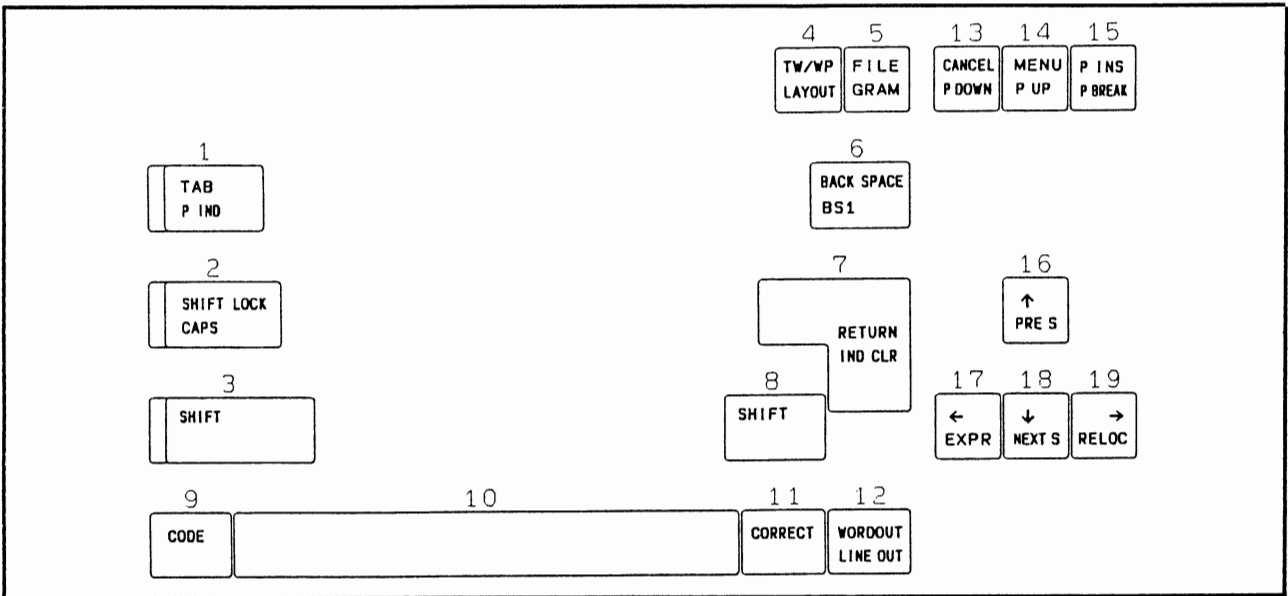
16.1. KEYBOARD MECHANISM/USA.ENGLISH



16.1. KEYBOARD MECHANISM/USA.ENGLISH

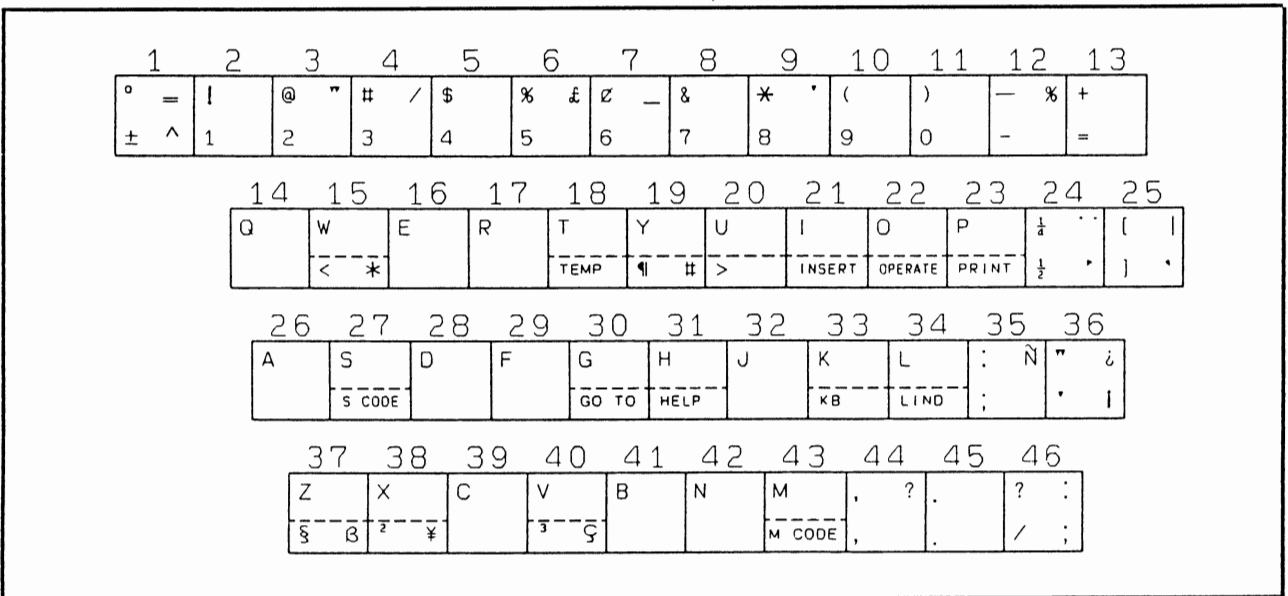
REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UA4662011	1	KB UPPER COVER, GRAY738	
2	U11350000	46	KEY STEM	
3	U11350000	19	KEY STEM	
4	539211001	1	SPRING, COMPRESSION M10.85X19	
5	539211001	1	SPRING, COMPRESSION M10.85X19	
6	U08599001	1	SPRING, COMPRESSION M11X19	
7	U09006000	1	WIRE, 38X9.8	
8	U09006000	1	WIRE, 38X9.8	
9	UA0206000	1	WIRE, 95X9.8	
10	U51457001	2	711 WIRE GUIDE	
11	U51457001	2	711 WIRE GUIDE	
12	U11777001	1	SUB STEM GUIDE #4	
13	U51457001	2	711 WIRE GUIDE	
14	UA4664013	1	FPC HOLDER, WHITE1138	
15	U06923001	1	TAPTITE, BIND B M3X10	
16	UA4665001	1	FPC ASSY	
17	UA4667000	1	BASE PLATE	
18	UA4668011	1	KB TILT ARM R, GRAY738	
19	UA4669011	1	KB TILT ARM L, GRAY738	
20	UA4670011	1	KB LOWER COVER, GRAY738	
21	UA4671011	1	KB LOCK	
22	U05404001	6	TAPTITE, BIND B M3X8	

16.2. FUNCTION KEYS/USA.ENGLISH



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16.3. CHARACTER KEYS/USA.ENGLISH



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16.2. FUNCTION KEYS/USA.ENGLISH

REF.NO.	CODE	Q'TY	DESCRIPTION	REF.NO.	CODE	Q'TY	DESCRIPTION
1	U75115078	1	TAB/P IND KEY	25	U09006000	1	WIRE, 38X9.8
2	UA0201078	1	SHIFT LOCK/CAPS KEY	26	U09006000	1	WIRE, 38X9.8
3	U11356077	1	SHIFT KEY	27	UA0206000	1	WIRE, 95X9.8
4	UA5512078	1	TW/WP/LAYOUT KEY	28	U51457001	2	711 WIRE GUIDE
5	UA5513078	1	FILE/GRAM KEY	29	U51457001	2	711 WIRE GUIDE
6	U12875078	1	BACK SPACE/BS1 KEY	30	U11777001	1	SUB STEM GUIDE #4
7	U78091078	1	RETURN/IND CLR KEY	31	U51457001	2	711 WIRE GUIDE
8	U05982077	1	SHIFT KEY				
9	U78005078	1	CODE KEY				
10	UA0302077	1	SPACE KEY				
11	U11367077	1	CORRECT KEY				
12	UA3230078	1	WORD OUT/LINE OUT KEY				
13	UA5514078	1	CANCEL/P DOWN KEY				
14	UA5515078	1	MENU/P UP KEY				
15	U78009078	1	P INS/PBREAK KEY				
16	UA5516078	1	UP/PRE S KEY				
17	UA5517078	1	LEFT/EXPR KEY				
18	UA5518078	1	DOWN/NEXTS KEY				
19	UA5519078	1	RIGHT/RELOC KEY				
20	U11350000	46	KEY STEM				
21	U11350000	19	KEY STEM				
22	539211001	1	SPRING, COMPRESSION M10.85X19				
23	539211001	1	SPRING, COMPRESSION M10.85X19				
24	U08599001	1	SPRING, COMPRESSION M11X19				

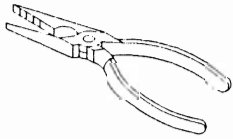
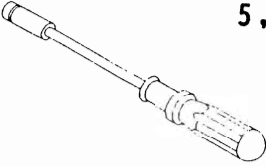
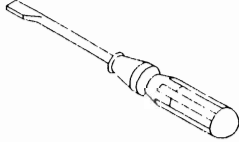
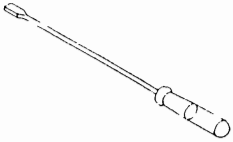
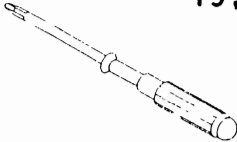
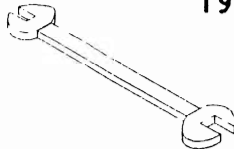

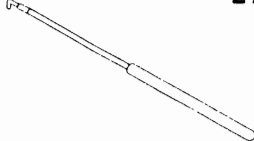
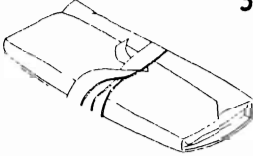
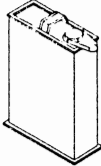

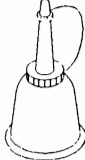
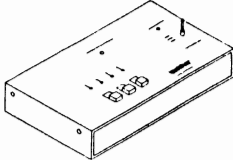

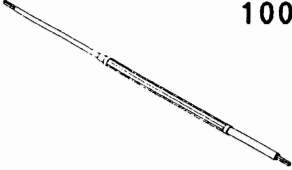


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16.3. CHARACTER KEYS/USA.ENGLISH

REF.NO.	CODE	Q'TY	DESCRIPTION	REF.NO.	CODE	Q'TY	DESCRIPTION
1-46	UA8490119	1	KEY ASSY, USA.ENGLISH	24	583316077	1	KEY
1	U51317077	1	KEY	25	583317077	1	KEY
2	U50429077	1	KEY	26	583273077	1	KEY
3	583306077	1	KEY	27	U11383078	1	KEY
4	583307077	1	KEY	28	583275077	1	KEY
5	583241077	1	KEY	29	UA0321077	1	KEY
6	583308077	1	KEY	30	UA5507078	1	KEY
7	583309077	1	KEY	31	UA5508078	1	KEY
8	583244077	1	KEY	32	UA0322077	1	KEY
9	583310077	1	KEY	33	UA5509078	1	KEY
10	583246077	1	KEY	34	UA5510078	1	KEY
11	583247077	1	KEY	35	583321077	1	KEY
12	583311077	1	KEY	36	583322077	1	KEY
13	583249077	1	KEY	37	583328078	1	KEY
14	U50431077	1	KEY	38	583329078	1	KEY
15	583313078	1	KEY	39	583290077	1	KEY
16	583259077	1	KEY	40	583330078	1	KEY
17	583260077	1	KEY	41	583292077	1	KEY
18	UA5501078	1	KEY	42	583293077	1	KEY
19	583314078	1	KEY	43	UA5511078	1	KEY
20	583315078	1	KEY	44	583331077	1	KEY
21	UA5502078	1	KEY	45	583332077	1	KEY
22	UA5503078	1	KEY	46	583333077	1	KEY
23	UA5504078	1	KEY				

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17. ADJUSTING TOOL KIT

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 <p>11</p>	 <p>13, 14</p>	 <p>19-1</p>
 <p>26</p>	 <p>29</p>	 <p>32</p>
 <p>42-G</p>	 <p>43-A, B, D</p>	 <p>44</p>
 <p>67A</p>	 <p>76</p>	 <p>100</p>
 <p>157</p>	 <p>122</p>	

17. ADJUSTING TOOL KIT

[illegible]

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CODE	REF.NO.	PAGE
UA0201078	16.2 - 2	26
UA0206000	16.1 - 9	24
	16.2 - 27	26
UA0302077	16.2 - 10	26
UA0321077	16.3 - 29	26
UA0322077	16.3 - 32	26
UA1683001	9 - 1-88A	12
UA1701001	7 - 1-2	8
UA1702001	7 - 1-2	8
UA1703001	7 - 1-2	8
UA1704001	7 - 1-2	8
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UA1706001	7 - 1-2	8
UA1708001	7 - 1-2	8
UA1709001	7 - 1-2	8
UA1711001	7 - 1-2	8
UA1734000	13 - 21	20
UA1819001	8 - 31	10
UA1820000	8 - 32	10
UA1822000	8 - 21	10
UA2031001	12 - 18	18
UA2149011	12 - 7	18
UA2151011	12 - 11	18
UA2153000	12 - 14	18
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UA2161001	6 - 1	8
UA2183011	12 - 16	18
UA2189001	3 - 4	4
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