TEC

TEC Color Printer

CB-416/426-T3

Parts List

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TOSHIBA TEC CORPORATION

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2. *The contents of this manual may be changed without notification.*
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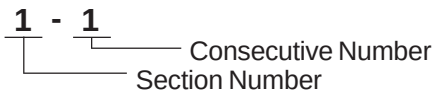
HOW TO USE THIS PARTS LIST

1) Indication of Ref. No.



2) The initials found in the Remarks column refer to the destination. If there is no symbol, it is a standard part.

QM ..... Standard for worldwide
QP ..... for Europe
QQ ..... for North America

3) Miscellaneous parts (screws, washers, etc.) shall be ordered in minimum lots of 100.

4) As a rule, orders will not be accepted and the company will not be responsible for problems concerning parts not listed in this parts list.

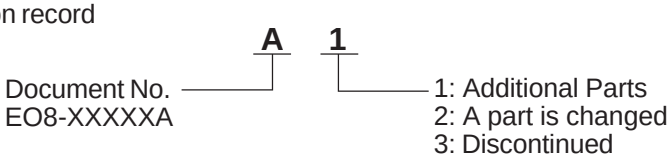
5) The columns from *1 through *4 indicates as follows:

*1 : Quantity/Unit

*2 : Recommendation of parts stock

	Q'ty/100 Units
Class A	10
Class B	7
Class C	5
Class D	3
Class E	1

*3 : Revision record



*4 : RoHS-compliant part (indicated with "R")

6) The name of the electronic parts are abbreviated as below:

Ref. No.	Real Name	Abbreviation	Ref. No.	Real Name	Abbreviation
C	Capacitor	CAP.	Q	Transistor	XISTOR.
R	Resistor	RSTR.	CN	Connector	CONN.
RA	Resistor Array	RSTR. Array	ZD	Zener Diode	Z. Diode
VR (RV)	Variable Resistor	V. RSTR			

7) Parts with no reference numbers are irreplaceable and unauthorized as service parts.

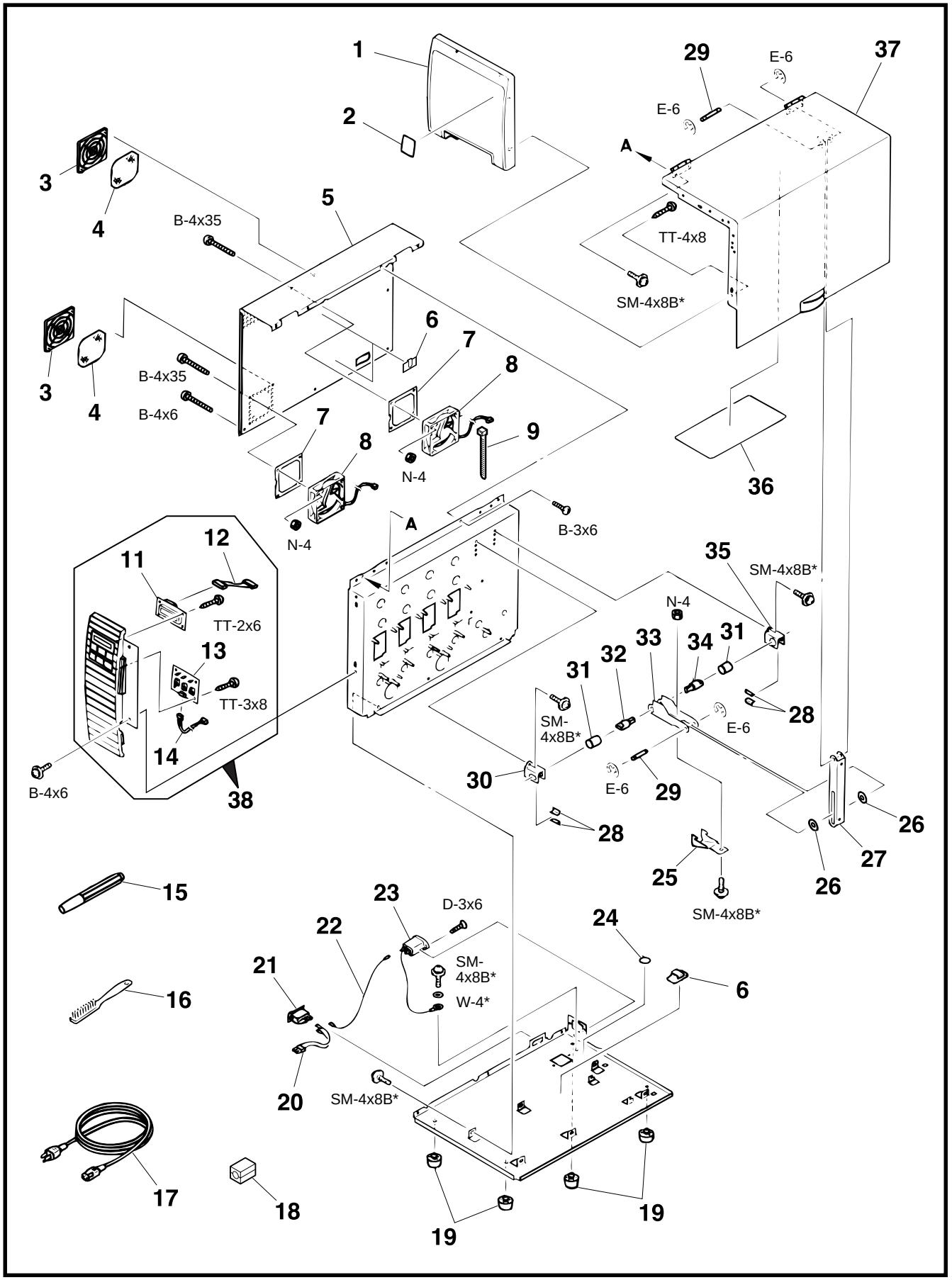
NOTES: *1. The parts shown in this list may be modified by TOSHIBA TEC together with issuing the parts information, if necessary.*

2. The figures in this parts list are provided for reference and may be different form the actual parts in shape.

3. Electronic parts with the same Ref. No. are interchangeable with each other unless their quantities are listed.

4. For the underlined assembly parts, the components are available separately.

1 COVERS


1
2
3
4
B-4x35
5
6
7
8
9
N-4
B-4x6
29
E-6
37
A
TT-4x8
SM-4x8B*
36
B-3x6
11
12
TT-2x6
13
TT-3x8
14
38
35
31
32
33
34
28
30
25
26
27
15
16
17
18
19
20
21
22
23
D-3x6
24
W-4*

1 COVERS 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
1- 1	~~FMCC0030101~~	~~Front Cover (TEC Logo)~~	CB-416-T3	1	E		
	FMCC0030103	Front Cover (TOSHIBA Logo)	Changed 7/'05				
	FMCC0030102	Front Cover (TEC Logo)	CB-426-T3	1	E	A-1	
1- 2	FMMB0046901	Graphic Label		1			R
1- 3	FMHB0020801	Filter Retainer (Accessory)		2			
1- 4	FMQB0051001	Filter Pad (Accessory)		2			
1- 5	FMED0023601	Side Panel (L)		1			R
1- 6	~~FDD-0002001~~	Nylon Clip SN-2		3			
	FO-00187000		Changed 6/'06				R
1- 7	FMQB0039901	FAN Spacer		2			
1- 8	~~FMQB0044101~~	FAN Motor		2	D		
	7FM02475000		Changed 6/'06				
1- 9	~~24081600000~~	~~Cable Band ALT096S~~		4			
	FO-00563000	Cable Band PLT1M	Changed 6/'06				R
~~1-10~~	~~FMCC0029702~~	~~Operation Panel~~	Deleted:1/'04	~~1~~			
1-11	FMBB0033601	LCD Ass'y		1	D		
1-12	FMCB0070001	LCD Harness		1	E		
1-13	FMBB0039801	LED PC Board Ass'y (SERV No. B-230-01)		1	E		
LED1, 2	CBH-0051001	LED SLP-355B-51-TEC (Green)		2			
LED3	CBH-0055001	LED SLP-155B-51 (Red)		1			
SW1~3	EBA-0040001	Key Switch SKHCAB		3			
R1	DBA-121JA2F	Carbon RSTR. RD1/4SST-26 120		1			
CN1	~~EAA-2375001~~	~~CONN. S7B-PH-K-S~~		1			
	EO-10729000	CONN. S7B-PH-K-S (LF) (SN)	Changed 9/'06				R
1-14	FMCB0071001	LED Harness		1	E		
1-15	24089500013	Print Head Cleaner	(Accessory)	1	A		
1-16	FMQB0047001	Feed Roller Brush	(Accessory)	1	D		
1-17	~~FBCB0030202~~	Power Cord (QQ)	(Accessory)	1	D		
	7FM02531000		Changed 9/'06				
	~~H00436904 A~~	~~Power Cord (QP)~~	(Accessory)	1	D		
	EKA-0055001	Power Cord (EU cord)	Changed:2/2001				
1-18	HGA-0068001	Ferrite Core SFC-8F	(Accessory)	1			
1-19	FFC-0021001	Plastic Foot 1014		4			
1-20	FMCB0071802	Power Switch Harness	QQ	1	E		
1-21	EBE-0017003	Power Switch JWZ2120-2001CT		1			
1-22	FMCB0074101	Inlet Harness		1	E		
1-23	FMBB0045501	Inlet Ass'y		1	D		
1-24	HG09B05140A	Earth Mark Label		1			
1-25	FMEC0047501	Damper Stopper		1			

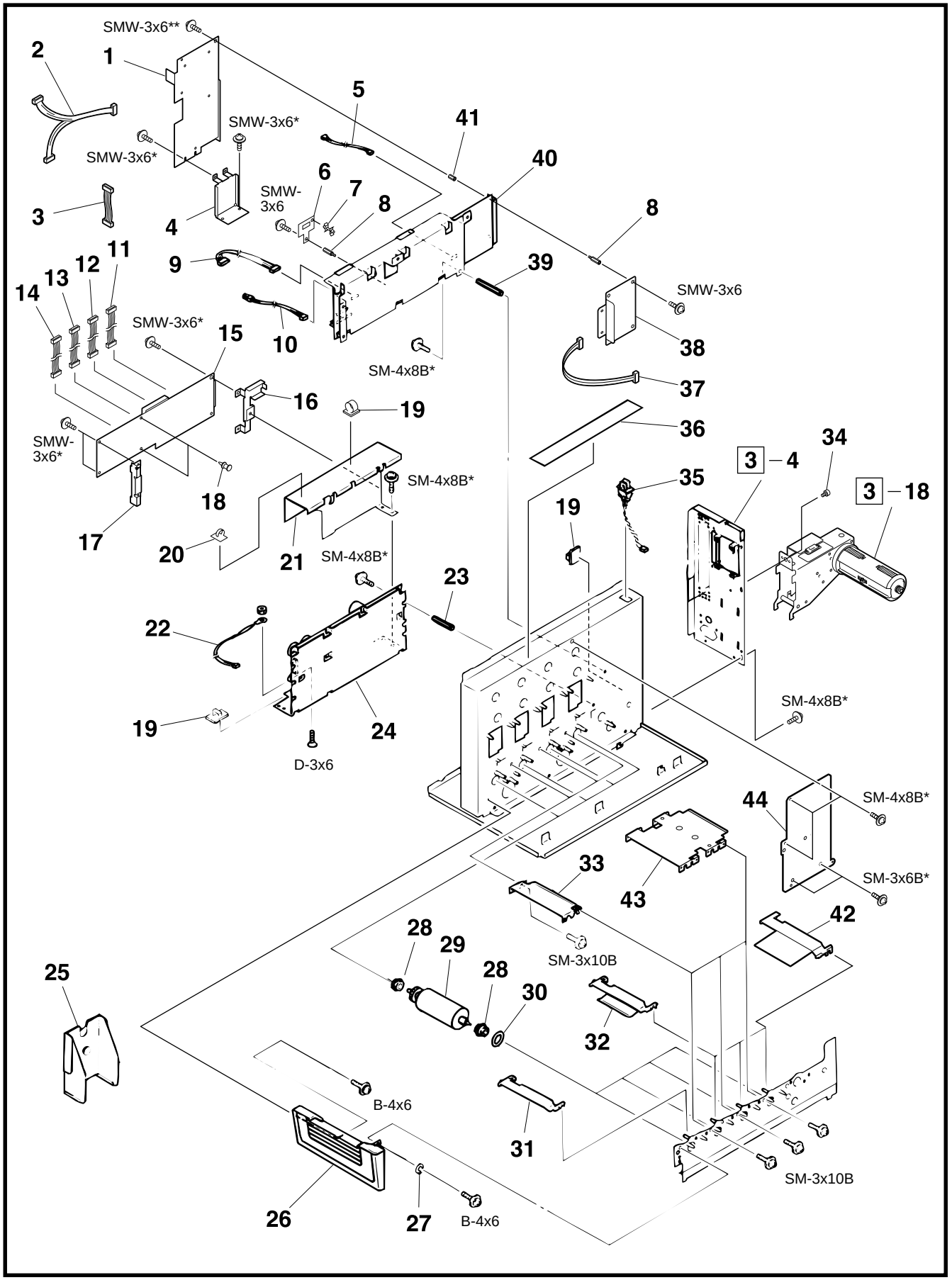
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

1 COVERS 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
1-26	24060000840	Thrust Washer R-TW0815		2			
1-27	FMEC0043401	Damper Plate (1)		1			
1-28	FMEB0104401	Damper Attachment		4			R
1-29	FMDB0061901	Damper Shaft		2			R
1-30	FMEC0047401	Damper Holder (L)		1			R
1-31	~~FAF-0057001~~	Damper Holder R-ML1820		2			
	FO-00454000		Changed 7/'05				R
1-32	HZC-0012001	Damper TDS25L		1	C		R
1-33	FMEC0043501	Damper Plate (2)		1			
1-34	HZC-0011001	Damper TDS25R		1	C		R
1-35	FMEC0047301	Damper Holder (R)		1			R
1-36	FMMC0015501	Media Loading Label	CB-416-T3	1			R
	FMMC0022401	Media Loading Label	CB-426-T3	1	E	A-1	
1-37	FMCD0015702	Top Cover		1	E		
1-38	FMBD0030401	Operation Panel Ass'y	Added:1/'04	1			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

2 PC BOARD BLOCK



2 PC BOARD BLOCK 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
2- 1	FMBC0072302	CPU PC Board Ass'y	CB-416-T3-QQ	1	E		
		(SERV. No B-273-08)					
	FMBC0072303	CPU PC Board Ass'y	CB-416-T3-QP	1	E		
		(SERV. No B-273-09)					
	FMBC0072305	CPU PC Board Ass'y	CB-426-T3-QQ	1	E	A-1	
		(SERV. No. B-273-05)					
	FMBC0072306	CPU PC Board Ass'y	CB-426-T3-QP	1	E	A-1	
		(SERV. No. B-273-06)					
2- 2	~~FMCB0094701~~	2nd Power Harness		1	E		
	7FM03311000		Changed:12/'08				
2- 3	FMCB0094201	CPU-PDM Cable		1	E		
2- 4	FMEC0049301	CPU PCB Support		1			
2- 5	FMCB0070401	Media End Sensor Harness		1	E		
2- 6	FMBC0068201	HCHK PC Board		1	E		
2- 7	FDB-0044003	Locking Support LCBT-8S		1			
2- 8	FFJ-0034005	PCB Stand BSB-314		3			
2- 9	FMCB0071901	Cutter Joint Harness 1		1	E		
2-10	FMCB0072201	Cutter Joint Harness 2		1	E		
2-11	FMCC0036904	PDM Harness (Black)	CB-416-T3	1	E		
2-12	FMCC0036901	PDM Harness (Magenta)	CB-416-T3	1	E		
2-13	FMCC0036905	PDM Harness (Cyan)		1	E		
2-14	FMCC0036902	PDM Harness (Yellow)		1	E		
2-15	FMBC0071101	PDM PC board Ass'y		1	E		
2-16	FMEC0063601	PCB Support (L)		1			
2-17	FMEC0052001	PCB Support (R)		1			
2-18	FDB-0084003	Locking Support TCBS-6N		2			
2-19	FDD-0002001	Nylon Clip SN-2		3			
2-20	FDA-0011001	Cable Clamp K-106G		1			
2-21	FMED0025201	PSU Cover		1			
2-22	FMCB0074501	PS Thermistor		1	E		
2-23	FMDB0061601	PS Support Shaft		1			
2-24	GDB-0116001	PS Unit	QQ	1	E		
	GDB-0141001	PS Unit	QP	1	E		
2-25	FMBB0047401	Supply Roll Holder Stand	(Accessory)	1			
2-26	FMHE0004602	Front Panel		1			
2-27	24A62080400	Nylon Washer Ø4		1			
2-28	FAA-0058001	Shaft Holder 608ZZNR	CB-416-T3	8	B		
			CB-426-T3	4	B		
2-29	FMBB0041401	Platen	CB-416-T3	4	B		
			CB-426-T3	2	B		
2-30	FMKB0007101	Wave Washer	CB-416-T3	4			
			CB-426-T3	2			

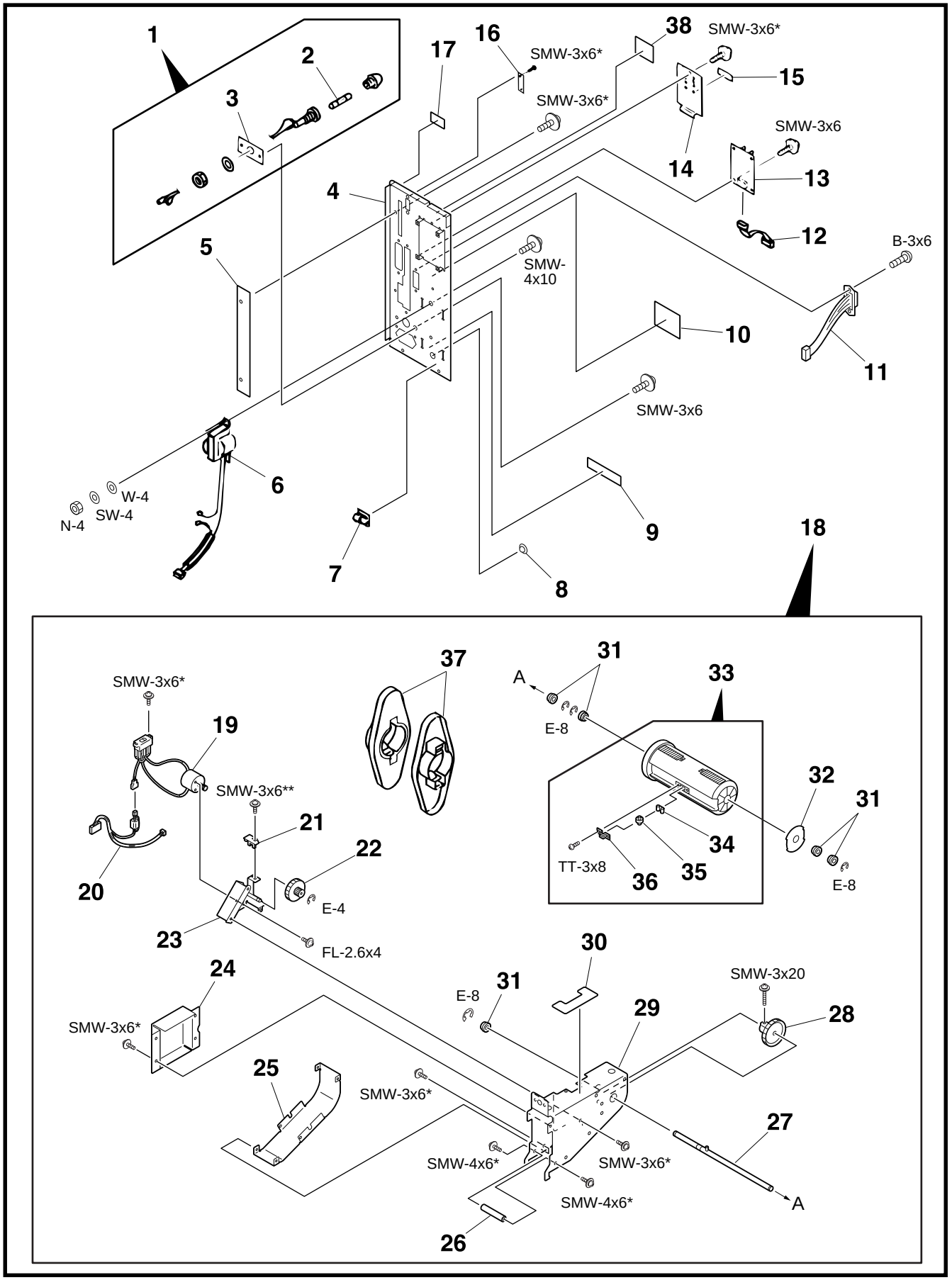
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

2 PC BOARD BLOCK 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
2-31	FMCB0076801	Guide Plate Y (Yellow)		1			
2-32	FMCB0076701	Guide Plate MCK	CB-416-T3	3			
		(Magenta/Cyan/Black)	CB-426-T3	2			
2-33	FMEC0045601	Media Guide B	CB-416-T3	3			
			CB-426-T3	1			
2-34	FMDB0069201	Screw B		1	A		
2-35	FMCB0073901	Interlock Switch		1	E		
2-36	FMMC0015601	Caution Label	CB-416-T3	1			R
	FMMC0022501	Caution Label	CB-426-T3	1		A-1	
2-37	~~FMCB0094301~~	Motor Relay Harness		1	E		
	7FM03309000		Changed:12/'08				
2-38	FMBB0058501	Motor PC Board Ass'y		1	E		
2-39	FMDB0061401	PCB Support Shaft		1			
2-40	~~FMBC0072801~~	DRIVER PC Board Ass'y	CB-416-T3	1	E		
	FMBC0072804	~~(SERV No. B-220-03)~~	Changed:9/'06				
		(SERV No. B-220-13)					
	FMBC0072803	DRIVER PC Board Ass'y	CB-426-T3	1	E	A-1	
		(SERV No. B-220-05)					
2-41	HDA-0021006	PCB Stand (2)		3			
2-42	FMCB0091401	Guide Plate 2	CB-426-T3	1		A-1	
2-43	FMED6030302	Media Guide 2	CB-426-T3	1		A-1	
2-44	FMEC0060001	Blind Plate	CB-426-T3	1		A-1	

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

3 SUPPLY SHAFT HOLDER BLOCK



3 SUPPLY SHAFT HOLDER BLOCK 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
3- 1	FMBB0045101	Fuse Holder Ass'y	QQ	1			
	FMBB0045401	Fuse Holder Ass'y	QP	1			
3- 2	EHA-0208001	Fuse 237010 125V, 10A	QQ	1	D		
	EHA-0160003	Fuse 218005 240V, 5A	QP	1	D		
3- 3	FMEB0104501	Fuse Plate (UL)		1			
3- 4	FMED0031201	Rear Cover		1			
3- 5	FMEC0064001	COM Blind Plate		1			
3- 6	FMQC0033901	Transformer L10-5A	QP	1			
3- 7	FDD-0002001	Nylon Clip	QP	1			
3- 8	FFJ-0005001	Cable Bush		1			
3- 9	FMMB0046801	Fuse Label	QQ	1			R
	FMMB0049801	Fuse Label	QP	1			R
3-10	FMMB0034501	FCC Label	QQ	1			R
3-11	FMCB0095701	I/O Harness		1	E		
3-12	FMCB0071401	VR Harness		1	E		
3-13	FMBB0041001	VR PC Board Ass'y		1	E		
		(SERV No. B-235-01)					
3-14	FMEB0099702	VR Blind Cover		1			
3-15	FMMB0045901	Media Sensor Label		1			R
3-16	FMEB0123401	Blind Plate (DIP SW)		1			
3-17	FMBB0014101	ROM Version Label		1			
3-18	FMBD0038901	Supply Shaft Holder Ass'y		1			
3-19	FMCB0094601	Stepping Motor Ass'y		1	E		
3-20	~~FMCB0094401~~	Motor Relay Harness 2		1	E		
	7FM03310000		Changed:12/'08				
3-21	FMBB0042201	Sensor PCB		1	E		
3-22	FMHB0030701	Idler Gear		1	D		
3-23	FMCB0095401	Motor Plate		1			
3-24	FMEC0063901	Stepping Motor Cover		1			
3-25	FMED0026401	Bottom Plate		1			
3-26	FMDB0065701	Arm Support Shaft		1			
3-27	FMBC0055801	Core Shaft		1			
3-28	FMHB0027001	Supply Core Gear		1	D		
3-29	FMED0031501	Supply Shaft Arm		1			
3-30	FMMC0020301	Back Tension Selector Label		1			
3-31	24350100503	Shaft Holder B-F-12-5		5			
3-32	FMEB0109701	Core Side Plate		1			
3-33	FMBC0055702	Supply Shaft		1			
3-34	FMKB0009301	Roll Spring		1			
3-35	FMDB0065801	Supply Lock Roller		1			

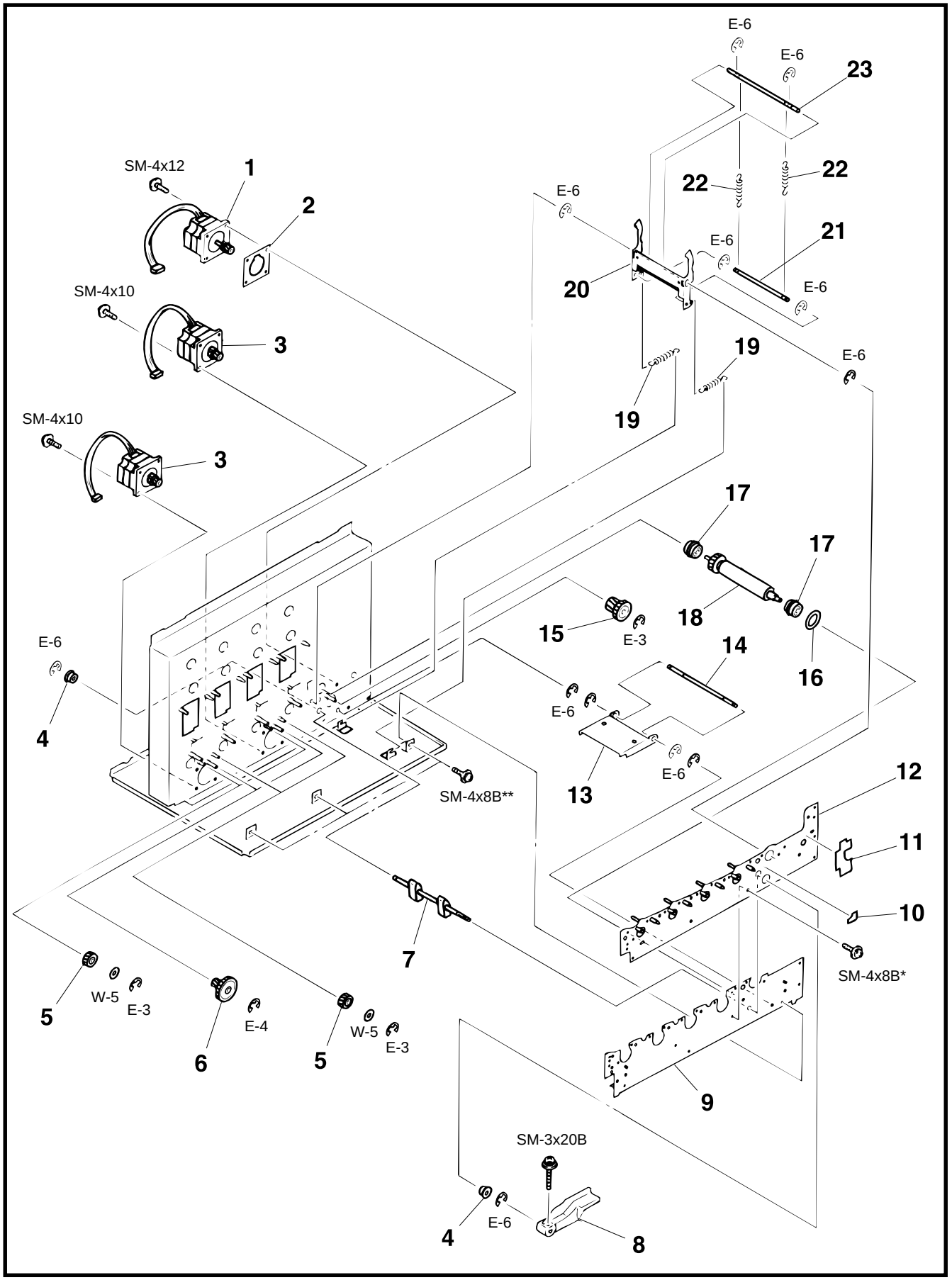
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

3 SUPPLY SHAFT HOLDER BLOCK 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
3-36	FMEB0123201	Supply Lock Plate		1			
3-37	FMHD0007502	Supply Holder		2			
3-38	FMMB0045801	DOC Label	QQ	1			R

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

4 MOTOR BLOCK

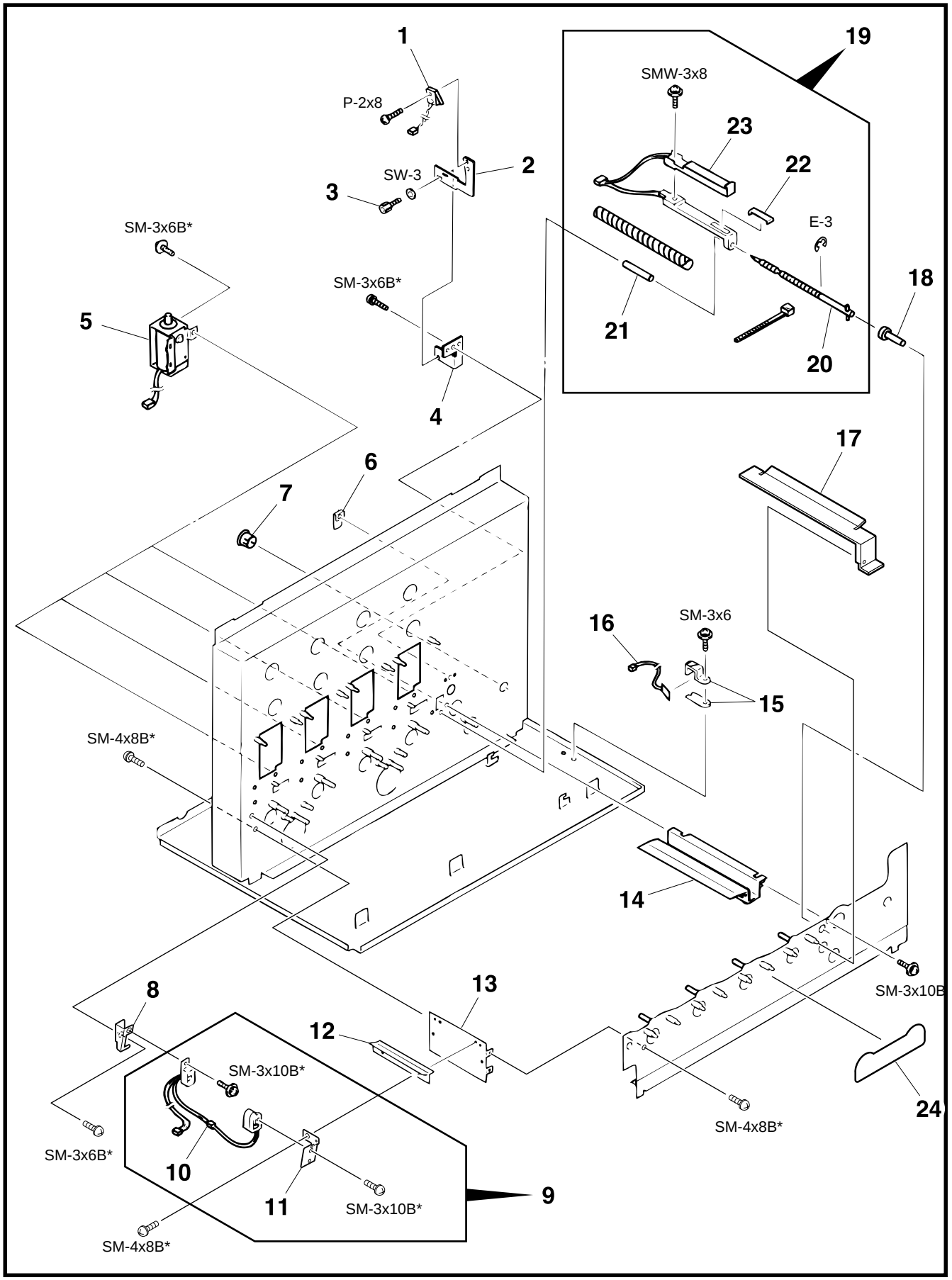


4 MOTOR BLOCK

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
4- 1	FMBB0041501	Feed Motor		1	E		
4- 2	FMEB0099401	Motor Spacer		1			
4- 3	FMBB0041603	Platen Motor	CB-416-T3	2	E		
			CB-426-T3	1	E		
4- 4	FAF-0052001	Shaft Holder B-F8-199		2	B		
4- 5	FMHB0024201	Platen Idle Gear	CB-416-T3	4	D		
			CB-426-T3	2	D		
4- 6	FMHB0024101	Platen Gear	CB-416-T3	2	D		
			CB-426-T3	1	D		
4- 7	FMBB0041801	Cam Shaft		1			
4- 8	FMHC0011501	Pinch Roller Lever		1			
4- 9	FMCC0029501	Side Frame		1			
4-10	FMMB0045701	Media Sensor Label		1			R
4-11	FMMB0046101	Pinch Roller Set Label B		1			R
4-12	FMBC0065601	Platen Frame		1			
4-13	FMEC0043201	Hook Lock Plate		1			
4-14	FMDB0061801	Lock Plate Shaft		1			
4-15	FMHB0024301	Feed Roller Gear		1	D		
4-16	FMKB0007101	Wave Washer		1			
4-17	FAA-0058001	Shaft Holder 608ZZNR		2	B		
4-18	FMBB0041301	Feed Roller		1	B		
4-19	FMKB0007201	Hook Spring A		2			
4-20	FMEC0043101	Pinch Roller Hook Plate		1			
4-21	FMDB0061201	Reinforcement Shaft		1			
4-22	FMKB0007301	Hook Spring B		2			
4-23	FMDC0008501	Fulcrum Shaft		1			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

5 SOLENOID BLOCK

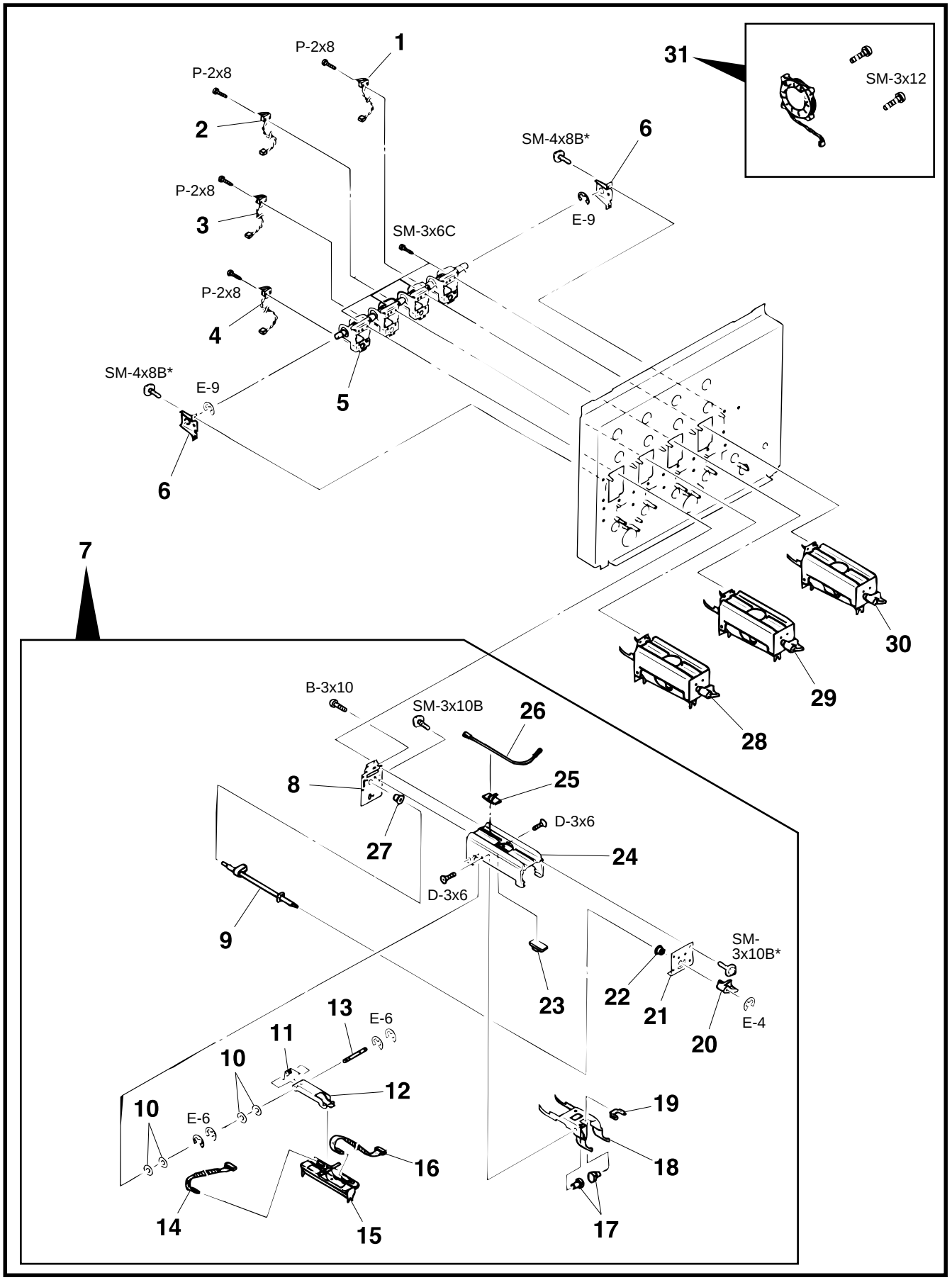


5 SOLENOID BLOCK

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
5- 1	FMCB0074005	Micro Switch (Pinch Roller)		1	E		
5- 2	FMEB0104901	Sensor Plate B		1			
5- 3	24A31040306	Hex. Screw H-3x6		2			
5- 4	FMEB0105001	Sensor Plate A		1			
5- 5	FMBB0041701	Solenoid Ass'y	CB-416-T3	4	D		
			CB-426-T3	2	D		
5- 6	FMQB0048301	Sensor Cover		1			
5- 7	FFJ-0005001	Lock Bush OLBT-13		1			
5- 8	FMEC0061201	Outlet Sensor Base (Peel off sensor)		1			
5- 9	FMBB0053401	Outlet Sensor Ass'y		1			
5-10	FMCB0073101	Outlet Sensor		1	B		
5-11	FMEB0116701	Outlet Sensor Plate		1			
5-12	FMQC0025601	Strip Plate		1			
5-13	FMEC0042701	Front Reinforcement Plate		1			
5-14	FMQC0025501	Sensor Guide		1			
5-15	EAHB0000201	Sensor Holder		1			
5-16	FMBB0041901	Thermistor		1			
5-17	FMCC0039601	SP Ribbon Guide (C)	CB-416-T3	1			
	FMCC0043201	SP Ribbon Guide 2	CB-426-T3	1		A-1	○
5-18	FMHB0024401	Knob		1			
5-19	FMBC0047601	Media Sensor Ass'y		1	B		
5-20	FMDC0008001	Sensor Moving Shaft		1			
5-21	24A64600430	Ø4x30 Spacer		1			
5-22	FMHB0023501	Sensor Cover		1			
5-23	FMCC0029302	Media Sensor		1			
5-24	FMMB0060201	Sealing Label	CB-426-T3	1		A-1	○

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

6 PRINT HEAD BLOCK



6 PRINT HEAD BLOCK 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
6- 1	FMCB0074001	Micro Switch (Head Up: Black)	CB-416-T3	1	E		
6- 2	FMCB0074002	Micro Switch (Head Up: Magenta)	CB-416-T3	1	E		
6- 3	FMCB0074004	Micro Switch (Head Up: Cyan)		1	E		
6- 4	FMCB0074003	Micro Switch (Head Up: Yellow)		1	E		
6- 5	FMBC0046001	Head Up Shaft Ass'y	CB-416-T3	1			
	FMBC0068001	Head Up Shaft Ass'y	CB-426-T3	1		A-1	○
6- 6	FMEB0099301	Shaft Holder Plate		2			
6- 7	~~FMBD0030102~~	Print Head Ass'y (Yellow)		1			
	FMBD0030112		Changed:11/'04				
6- 8	FMEB0098501	Head Frame Plate (L)	CB-416-T3	4			
			CB-426-T3	2			
6- 9	FMBC0046201	Head Lever Shaft	CB-416-T3	4			
			CB-426-T3	2			
6-10	FMQB0048001	Pinch Roller Washer	CB-416-T3	16			
			CB-426-T3	8			
6-11	FMKB0007601	Head Up Spring	CB-416-T3	4			
			CB-426-T3	2			
6-12	FMCB0073201	Head Pressure Plate	CB-416-T3	4			
			CB-426-T3	2			
6-13	FMDB0059701	Fulcrum Shaft	CB-416-T3	4			
			CB-426-T3	2			
6-14	~~FMCC0029101~~	Head Harness (Signal: Magenta)	CB-416-T3	1	E		
	7FM03313000		Changed:12/'08				
	~~FMCC0029102~~	Head Harness (Signal: Yellow)		1	E		
	7FM03313100		Changed:12/'08				
	~~FMCC0029103~~	Head Harness (Signal: Cyan)		1	E		
	7FM03313200		Changed:12/'08				
	~~FMCC0029104~~	Head Harness (Signal: Black)	CB-416-T3	1	E		
	7FM03313300		Changed:12/'08				
6-15	FMBC0046103	Print Head	CB-416-T3	4	A		
			CB-426-T3	2	A		
6-16	~~FMCC0029201~~	Head Harness (Power: Magenta)	CB-416-T3	1	E		
	7FM03314000		Changed:12/'08				
	~~FMCC0029202~~	Head Harness (Power: Yellow)		1	E		
	7FM03314100		Changed:12/'08				
	~~FMCC0029203~~	Head Harness (Power: Cyan)		1	E		
	7FM03314200		Changed:12/'08				
	~~FMCC0029204~~	Head Harness (Power: Black)	CB-416-T3	1	E		
	7FM03314300		Changed:12/'08				
6-17	FMDB0059601	Solenoid Fulcrum Pin	CB-416-T3	8			
			CB-426-T3	4			

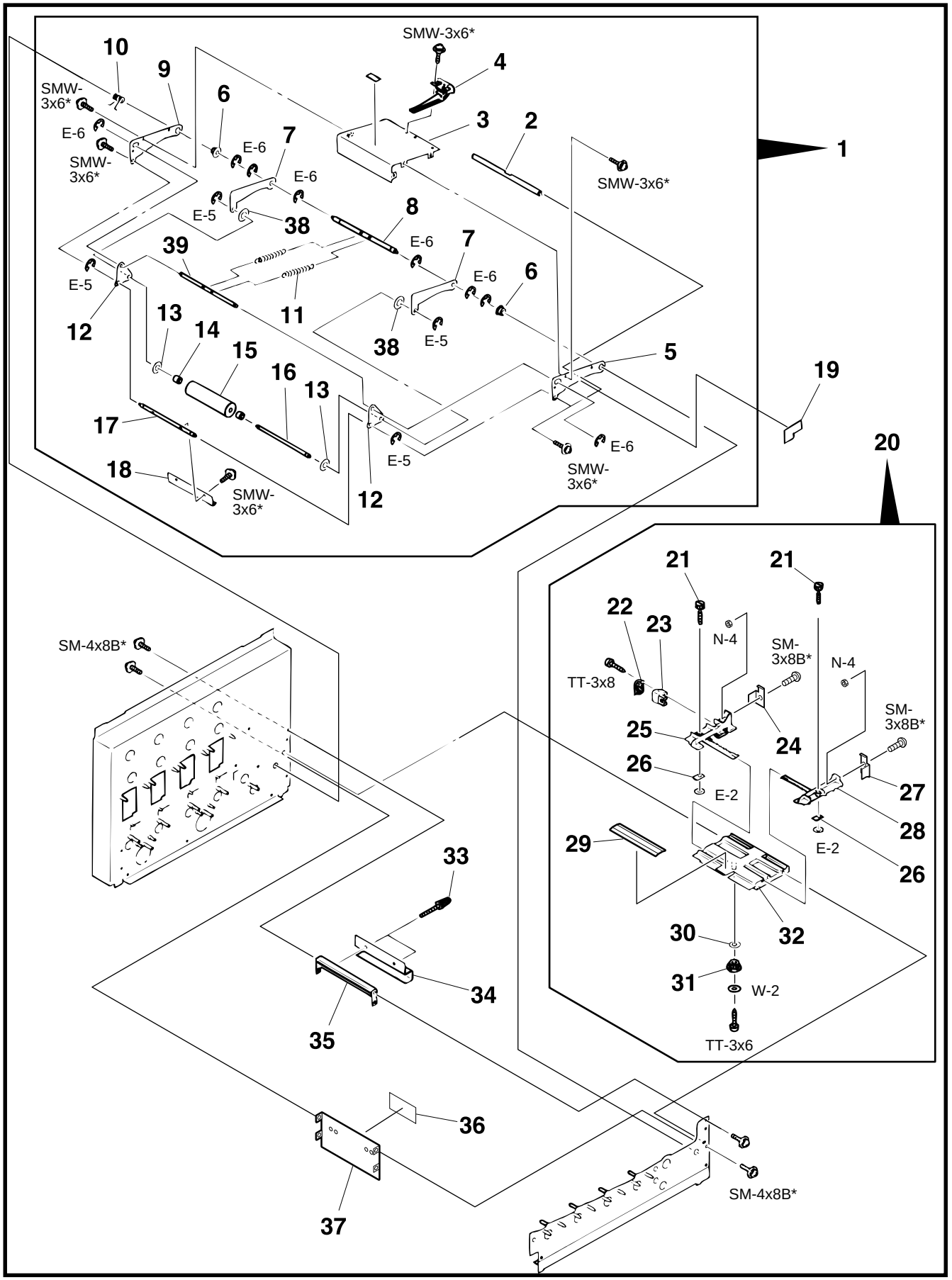
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

6 PRINT HEAD BLOCK 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
6-18	FMEC0042201	Ribbon Saving Plate	CB-416-T3	4			
			CB-426-T3	2			
6-19	FMQB0046301	Head Harness Guard	CB-416-T3	4			
			CB-426-T3	2			
6-20	FMHB0023401	Head Lever	CB-416-T3	4			
			CB-426-T3	2			
6-21	FMEB0098601	Head Frame Plate (R)	CB-416-T3	4			
			CB-426-T3	2			
6-22	~~FAF-0051001~~	Shaft Holder B-F8-200	CB-416-T3	4	B		
			CB-426-T3	2	B		
	F0-00450000		Changed:8/'04				
6-23	~~FDD-0002001~~	Cable Clip SN-2	CB-416-T3	4			
			CB-426-T3	2			
	F0-00187000		Changed:8/'04				
6-24	FMQD0001101	Head Frame	CB-416-T3	4			
			CB-426-T3	2			
6-25	~~FDA-0005001~~	Cable Clamp MSC-1	CB-416-T3	4			
			CB-426-T3	2			
	F0-00160000		Changed:8/'04				
6-26	FMCB0078201	Head Fan Harness	CB-416-T3	4			
			CB-426-T3	2			
6-27	~~FAF-0053001~~	Shaft Holder B-F6-178	CB-416-T3	4	B		
			CB-426-T3	2	B		
	F0-00444000		Changed:8/'04				
6-28	~~FMBD0030103~~	Print Head Ass'y (Cyan)		1			
	FMBD0030113		Changed:11/'04				
6-29	~~FMBD0030101~~	Print Head Ass'y (Magenta)	CB-416-T3	1			
	FMBD0030111		Changed:11/'04				
6-30	~~FMBD0030104~~	Print Head Ass'y (Black)	CB-416-T3	1			
	FMBD0030114		Changed:11/'04				
6-31	FMBC0059101	Print Head Fan Kit	Option				
			CB-416-T3	4			
			CB-426-T3	2			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

7 PINCH ROLLER BLOCK

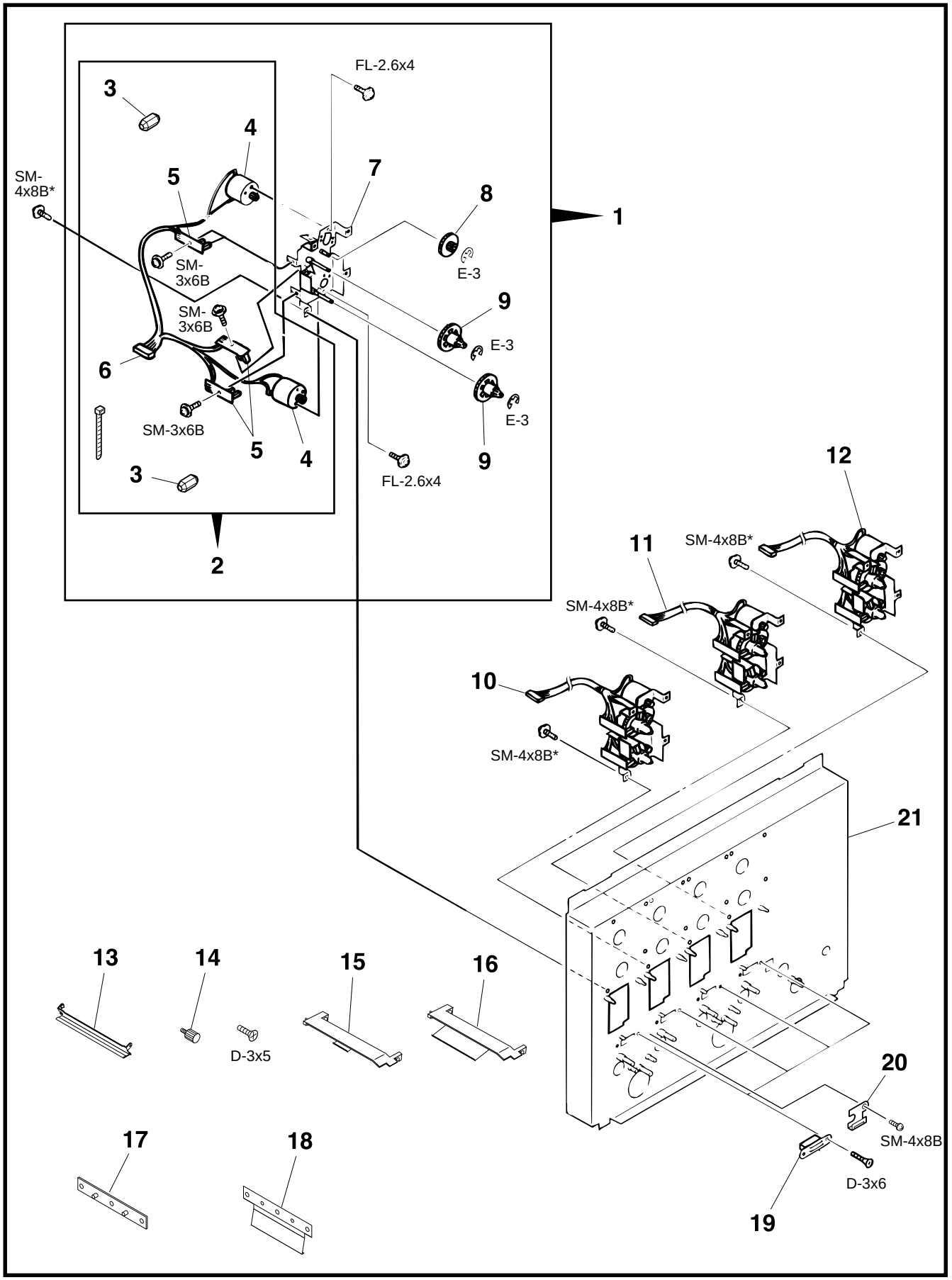


7 PINCH ROLLER BLOCK

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
7- 1	FMBD0030301	Pinch Roller Ass'y		1	B		
7- 2	FMDC0009301	Pinch Roller Support Shaft		1			
7- 3	FMEC0042401	Pinch Roller Cover		1			
7- 4	FMHD0007701	Back Feed Guide		1			
7- 5	FMEC0042502	Pinch Roller Frame (R)		1			
7- 6	FAF-0052001	Shaft Holder B-F8-199		2			
7- 7	FMEC0047902	Pinch Roller Guide Plate		2			
7- 8	FMDC0008202	SP Shaft (A)		1			
7- 9	FMEC0042503	Pinch Roller Frame (L)		1			
7-10	FMKB0007502	Spring		1			
7-11	FMKB0006901	Pinch Roller Spring		2			
7-12	FMEB0099102	Pinch Roller Side Plate		2			
7-13	FMQB0048101	Bearing Washer		2			
7-14	FAA-0061001	Shaft Holder L-1370Z2		2			
7-15	FMQC0025402	Pinch Roller		1			
7-16	FMDB0061002	Pinch Roller Shaft		1			
7-17	FMDC0008301	Pinch Roller Front Shaft		1			
7-18	FMEB0099201	Pinch Roller Guide		1			
7-19	FMMB0048301	Pinch Roller Set Label A		1			R
7-20	FMBD0030202	Media Guide Ass'y		1			
7-21	FMDB0069102	Screw A		2	A		
7-22	FMBB0042201	Media End Sensor		1	B		
7-23	FMHC0011901	Sensor Cover		1			
7-24	FMEB0116501	Rear Guide L		1			
7-25	FMHD0007204	Media Guide (L)		1			
7-26	FMEB0098901	Plate Nut		2			
7-27	FMEB0116601	Rear Guide R		1			
7-28	FMHD0007304	Media Guide (R)		1			
7-29	FMQB0063102	Media Guide Cover		1			
7-30	FMEB0105601	Pinion Washer		1			
7-31	FMHB0018701	Pinion Gear		1	D		
7-32	FMHD0007103	Media Guide Base		1			
7-33	HAA-0007002	Black Screw M-3x6	(Accessory)	2	A		
7-34	FMCC0032001	Media Slide	(Accessory)	1			
7-35	FMEC0042902	Rear Paper Guide		1			
7-36	FMMB0053001	EMI Label	QP	1			R
7-37	FMEC0057701	Rear Reinforcement Plate		1			
7-38	FMQB0048001	Pinch Roller Washer		4			
7-39	FMDB0061102	Pinch Roller Spring Shaft		1			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

8 RIBBON DRIVE BLOCK



8 RIBBON DRIVE BLOCK 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
8- 1	FMBC0046504	Ribbon Drive Ass'y (Yellow)		1			
8- 2	FMCC0029604	Ribbon Motor Ass'y (Yellow)		1			
	FMCC0029602	Ribbon Motor Ass'y (Cyan)		1			
	FMCC0029603	Ribbon Motor Ass'y (Magenta)	CB-416-T3	1			
	FMCC0029601	Ribbon Motor Ass'y (Black)	CB-416-T3	1			
8- 3	DDA-0156001	Ferrite Core SFC-4	CB-416-T3	8			
			CB-426-T3	4			
8- 4	FMCB0061201	Ribbon Motor	CB-416-T3	8	E		
			CB-426-T3	4	E		
8- 5	FMBB0039901	Ribbon End Sensor	CB-416-T3	12			
			CB-426-T3	6			
8- 6	FMCB0070502	Motor Harness (Black)	CB-416-T3	1			
	FMCB0070602	Motor Harness (Magenta)	CB-416-T3	1			
	FMCB0070802	Motor Harness (Cyan)		1			
	FMCB0070702	Motor Harness (Yellow)		1			
8- 7	FMCB0073401	Motor Attachment Plate	CB-416-T3	4			
			CB-426-T3	2			
8- 8	FMHB0024001	Idle Gear	CB-416-T3	4	D		
			CB-426-T3	2	D		
8- 9	FMHC0011401	Slit Gear	CB-416-T3	8	D		
			CB-426-T3	4	D		
8-10	FMBC0046502	Ribbon Drive Ass'y (Cyan)		1			
8-11	FMBC0046503	Ribbon Drive Ass'y (Magenta)	CB-416-T3	1			
8-12	FMBC0046501	Ribbon Drive Ass'y (Black)	CB-416-T3	1			
8-13	FMCB0095301	Ribbon Plate	(Accessory)				
			CB-416-T3	4			
			CB-426-T3	2			
8-14	FMDB0079501	Mounting Screw	(Accessory)				
			CB-416-T3	4			
			CB-426-T3	2			
8-15	FMCB0095601	SP Ribbon Guide (A)	(Accessory)	1			
8-16	FMCB0095501	SP Ribbon Guide (B)	(Accessory)				
			CB-416-T3	3			
			CB-426-T3	1			
8-17	FMEB0116901	Sheet Fixing Plate	(Accessory)				
			CB-416-T3	4			
			CB-426-T3	2			
8-18	FMQC0035901	Ribbon Tension Sheet	(Accessory)				
			CB-416-T3	4			
			CB-426-T3	2			

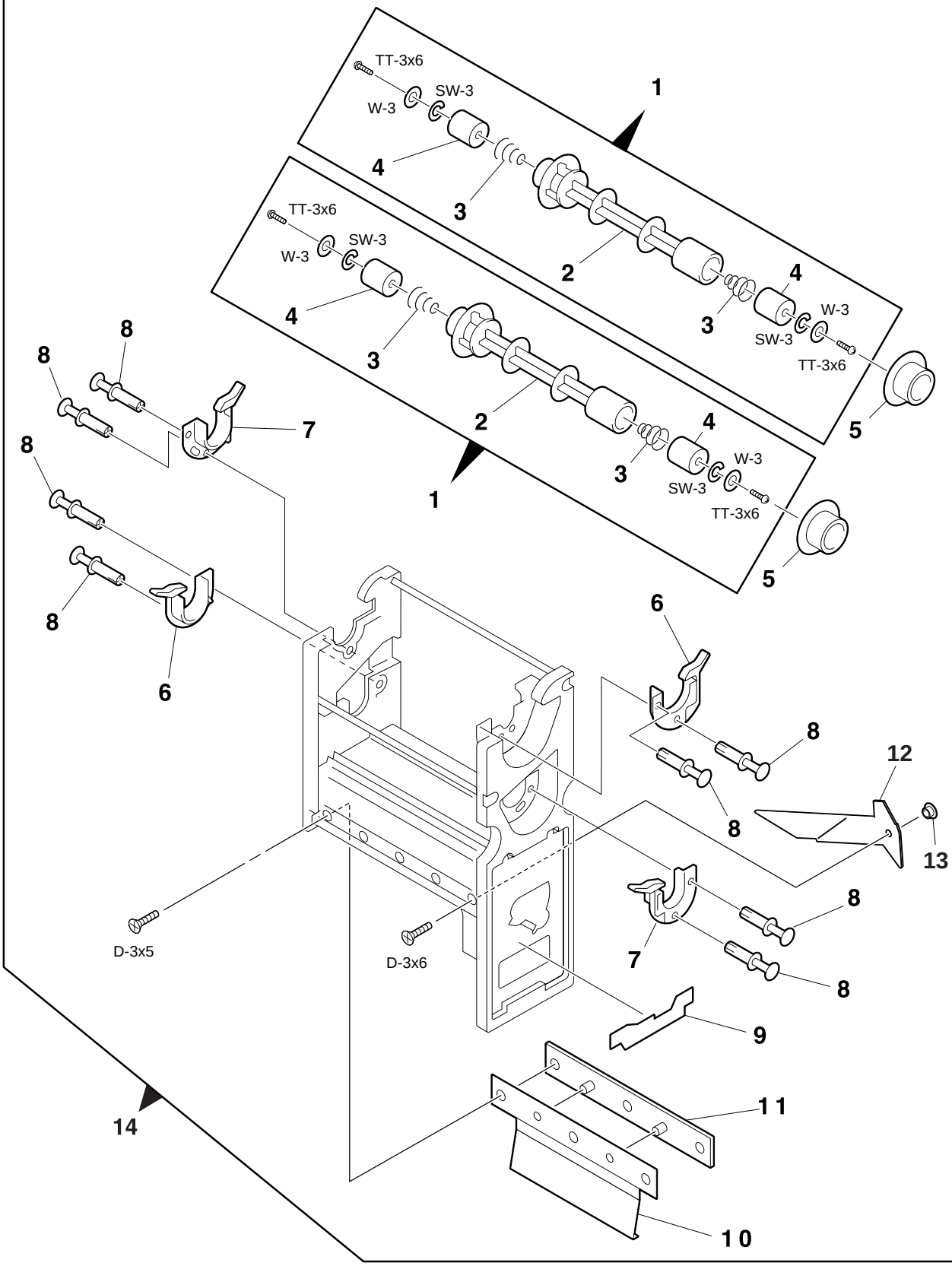
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

8 RIBBON DRIVE BLOCK 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
8-19	FBA-0004002	Magnet Catch Tl-229S	CB-416-T3	4	C		
			CB-426-T3	2	C		
8-20	FMEB0116001	Guide Fixing Plate		1			
8-21	FMCD0015602	Main Frame		1			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

9 RIBBON MODULE ~~(CB-1004-QM)~~



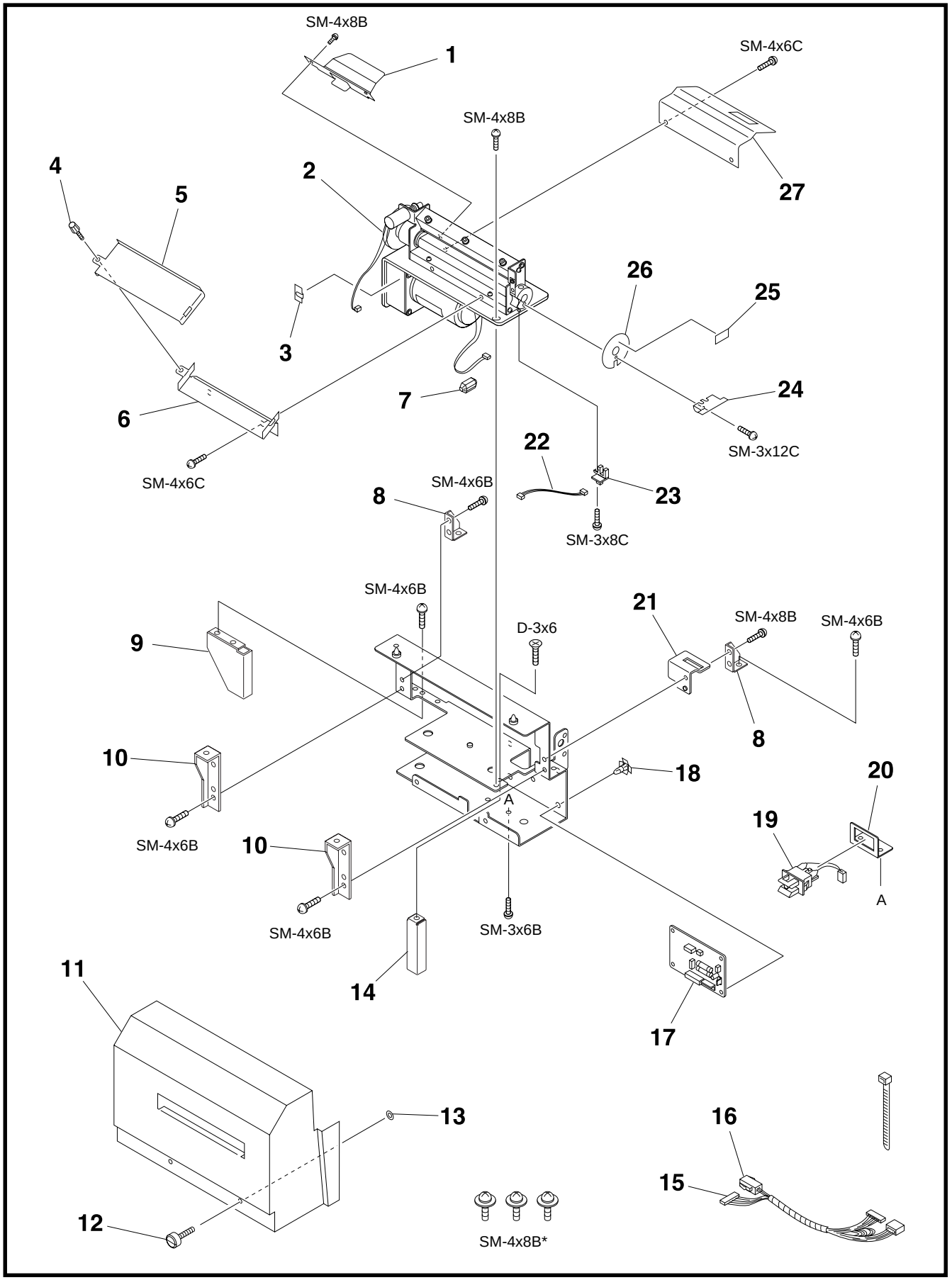
9 RIBBON MODULE ~~(CB-1004-QM)~~

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
9- 1	FMBC0053701	Ribbon Shaft Ass'y		2			
9- 2	FMHD0003542	Ribbon Shaft		2			
9- 3	FMKB0001901	Slide Core Spring		~~2~~			
			Corrected:2/''034				
9- 4	FMHB0007601	Slide Core		~~2~~			
			Corrected:2/''034				
9- 5	FMHB0008002	Ribbon Stopper		2	E		
9- 6	FMHC0010901	Ribbon Shaft Catcher (L)		2			
9- 7	FMHC0010801	Ribbon Shaft Catcher (R)		2			
9- 8	FFJ-0079001	Rivet P3570		8			
9- 9	FMMB0045601	Head Open Label		1			
9-10	FMQC0035901	Ribbon Tension Sheet	Accessory	1			
9-11	FMEB0116901	Sheet Fixing Plate	Accessory	1			
9-12	FMHC0011801	Ribbon Guide Lever	Added:1/''03	1			
9-13	FMDB0061701	Ribbon Guide Lever Shaft	Added:1/''03	1			
9-14	FMBD0030001	Ribbon Module (***NOTE***)	Added:2/''06	1			

NOTE: *"CB-1004-QM" optional Ribbon Module has been discontinued. Please order this module as a service part after this.*

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

10 CUTTER MODULE (CB-1204-QM)



10 CUTTER MODULE (CB-1204-QM)

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
10- 1	FMEC0046201	Cutter Paper Guide C		1			
10- 2	GFM-0066001	Cutter Unit		1	E		
10- 3	24088100910	Clamp K-103G		1			
10- 4	24741710304	White Screw M-3x4		1			
10- 5	FMBB0043601	Paper Guide A		1			
10- 6	FMBB0043701	Paper Guide B		1			
10- 7	DDA-0156001	Ferrite Bead SFC-4		1			
10- 8	FMEB0106601	Cutter Support Plate D		2			
10- 9	FMEB0106401	Cutter Support Plate B		1			
10-10	FMEB0106501	Cutter Support Plate C		2			
10-11	FMCD0016201	Cutter Cover		1			
10-12	HDA-0058001	Cover Holding Screw		2	A		
10-13	HZC-0006001	Speed Nut TM-147-2		2			
10-14	FMEB0106301	Cutter Support Plate A		1			
10-15	FMCB0072001	Cutter Joint Harness 4		1	E		
10-16	FMCB0072101	Cutter Joint Harness 3		1	E		
10-17	FMBB0040403	CUTTER PC Board Ass'y (SERV No. B-234-03)		1	E		
10-18	FDB-0028001	Locking Support LCS-8S		4			
10-19	FMCB0073902	Cutter Interlock Switch		1	E		
10-20	FMEB0103001	Switch Plate		1			
10-21	FMEB0102901	Cutter Guide Plate		1			
10-22	FMCB0072401	Cutter Harness		1	E		
10-23	FMCB0077101	Home Position Sensor		1	B		
10-24	FMEB0106201	Release Lever		1			
10-25	FMMB0050101	Jam Clear Label		1			
10-26	FMEB0102801	Sensor Plate		1			
10-27	FMEC0046301	Cutter Paper Guide D		1			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

11 MISCELLANEOUS PARTS 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
		<Bind Screw>					
B-3x6	24B05040306	M-3x6 Nickel					
	X01B0306140	M-3x6 Nickel					
B-3x10	~~24B05040310~~	M-3x10 Nickel					
	X0-00435000		Changed:8/'04				
B-4x6	24B05040406	M-4x6 Nickel					
B-4x35	24B05040435	M-4x35 Nickel					R
		<Dish Head Screw>					
D-3x5	X0140305130	M-3x5 Chromate					
D-3x6	~~X0140306130~~	M-3x6 Chromate					
	~~X0-00316000~~		Changed:8/'04				
	X0-00317000		Changed:12/'08				
		<Flanged Screw>					
FL-2.6x4	X01G2F04130	M-2.6x4 Chromate					
FL-3x3	24B50040303	M-3x3 Nickel					
FL-3x5	24B50040305	M-3x5 Nickel					
FL-3x6	24B50040306	M-3x6 Nickel					
FL-4x6	24B50040406	M-4x6 Nickel					
		<Pan Head Screw>					
P-2x8	24A10040208	M-2x8 Chromate					
P-3x8	X0110308140	M-3x8 Nickel					
		<Sems Screw>					
SM-3x6	24B90010306	M-3x6 Chromate					
SM-3x12	~~24B90010312~~	M-3x12 Chromate					
	X0-00099000		Changed:8/'04				
SM-4x8	24B90010408	M-4x8 Chromate					
SM-4x10	24B90010410	M-4x10 Chromate					
SM-4x12	24B90010412	M-4x12 Chromate					
		<Double Sems Screw>					
SM-2x6B	24BB0010206	M-2x6 Chromate					
SM-3x6B	24BB0010306	M-3x6 Chromate					
SM-3x6B*	24BB0040306	M-3x6 Nickel					
SM-3x6C	24BP0040306	M-3x6 Nickel					
SM-3x8B	24BB0010308	M-3x8 Chromate					
SM-3x8B*	24BB0040308	M-3x8 Nickel					
SM-3x8C	24BP0010308	M-3x8 Chromate					
SM-3x10B	24BB0010310	M-3x10 Chromate					
SM-3x10B*	~~24BB0040310~~	M-3x10 Nickel					
	X0-00094000		Changed:8/'04				
SM-3x12C	24BP0010312	M-3x12 Chromate					
SM-3x20B	24BB0040320	M-3x20 Nickel					
SM-4x6B	24BB0010406	M-4x6 Chromate					

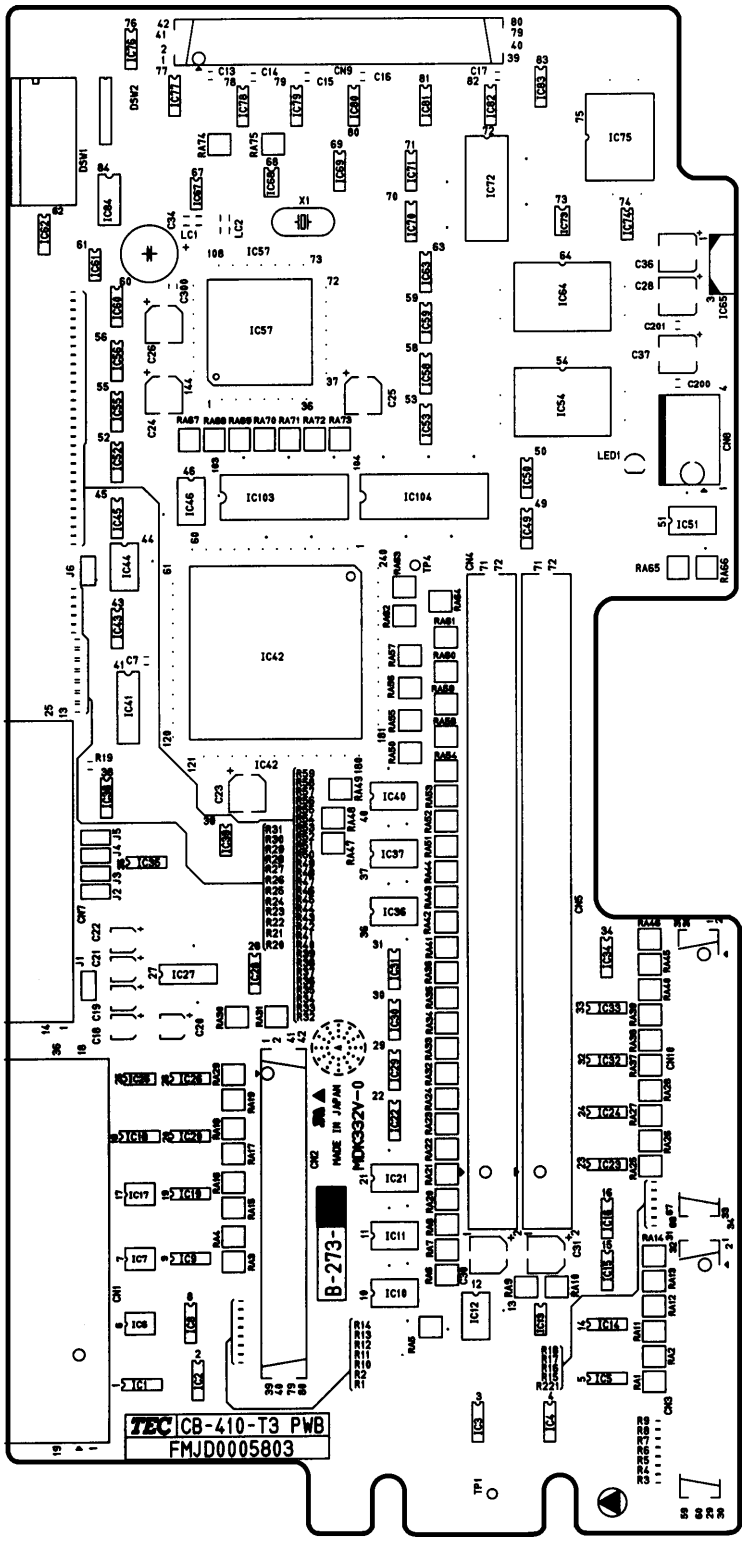
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

11 MISCELLANEOUS PARTS 2/2

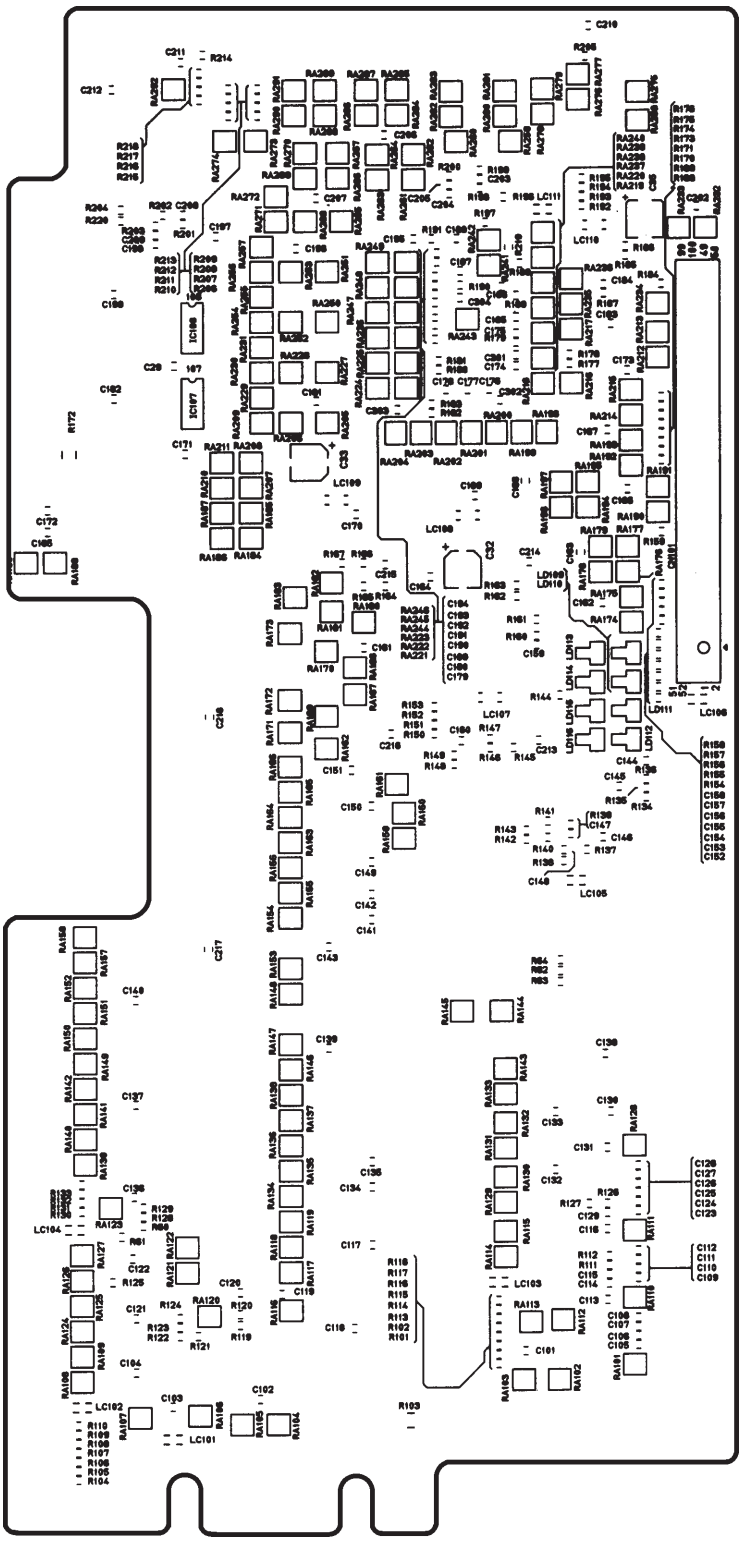
Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
SM-4x6B*	24BB0040406	M-4x6 Nickel					
SM-4x6C	24BP0010406	M-4x6 Chromate					
SM-4x8B	24BB0010408	M-4x8 Chromate					
SM-4x8B*	24BB0040408	M-4x8 Nickel					
SM-4x8B**	FMCB0066401	M-4x8 Painted					
SMW-3x6	X0110306137	M-3x6 Chromate					
SMW-3x6*	X0110306147	M-3x6 Nickel					
SMW-3x6**	X0110306146	M-3x6 Nickel, Small washer					
SMW-4x10	X0110410147	M-4x10 Nickel					
SMW-4x6	X0110406147	M-4x6 Nickel					
SMW-3x20	X0110320147	M-3x20 Nickel					
		<Tap TITE Screw>					
TT-2x6	24A17010206	M-2x6 Chromate					
TT-3x6	24A17010306	M-3x6 Chromate					
TT-3x8	24A17010308	M-3x8 Chromate					
TT-4x8	24A17010408	M-4x8 Chromate					
		<E-type Retaining Ring>					
E-2	X722020040A	M-2 Stainless Steel					
E-3	X722030040A	M-3 Stainless Steel					
E-4	~~X722040040A~~	M-4 Stainless Steel					
	X0-00965000		Changed:8/'04				
E-5	X722050040A	M-5 Stainless Steel					
E-6	~~X722060040A~~	M-6 Stainless Steel					
	X0-00967000		Changed:8/'04				
E-8	X722080040A	M-8 Stainless Steel					
E-9	X722090040A	M-9 Stainless Steel					
		<Nut>					
N-3	X5110300130	M-3 Chromate					
N-4	X5110400130	M-4 Chromate					
N-8	X5110800130	M-8 Chromate					
		<Washer>					
W-3	X7170300130	M-3 Chromate					
W-4	X7170400130	M-4 Chromate					
W-4*	24A62003040	M-4 Nickel					
W-5	X7170500140	M-5 Nickel					
W-8	24A62001080	M-8 Chromate					
		<Spring Washer>					
SW-3	X7110300630	M-3 Chromate					
SW-4	X7110400630	M-4 Chromate					
SW-8	X7110800630	M-8 Chromate					

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

1 CPU PC BOARD ASS'Y 1/2



1 CPU PC BOARD ASS'Y 2/2



1 CPU PC BOARD ASS'Y 1/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
	FMBC0072302	CPU PC Board Ass'y (SERV No. B-273-08)	CB-416-T3-QQ	1	E		
	FMBC0072303	CPU PC Board Ass'y (SERV No. B-273-09)	CB-416-T3-QP	1	E		
	FMBC0072305	CPU PC Board Ass'y (SERV No. B-273-05)	CB-426-T3-QQ	1	E	A-1	
	FMBC0072306	CPU PC Board Ass'y (SERV No. B-273-06)	CB-426-T3-QP	1	E	A-1	
IC1	~~CAF-024026F~~	TTL IC SN74LV240APW		1	E		
	C0-11053000		Changed:9/'05				R
IC2,8,28	~~CAF-024422F~~	~~CMOS IC SN74LVC244APW~~		3	E		
	C0-11018001	CMOS IC SN74LVC244APWR	Changed:9/'05				R
IC3,4,15,29,	~~CAF-024425F~~	~~CMOS IC SN74AHCT244PW~~		21	E		
31,38,43,45,	C0-11323001	CMOS IC SN74AHCT244PWR	Changed:9/'05				R
56,60,62,63,							
69-71,76,77,							
80-83							
IC5,14,78,79	~~CAF-024525F~~	~~CMOS IC SN74AHCT245PW~~		4	E		
	C0-11324001	CMOS IC SN74AHCT245PWR	Changed:9/'05				R
IC6,7	~~CAF-001414F~~	~~TTL IC SN74LS14DB-SR05~~		1	E		
	C0-11541001	TTL IC SN74LS14DBR	Changed:9/'05				R
IC9,19,20,26	~~CAF-024522F~~	~~CMOS IC SN74LVC245APW~~		4	E		
	C0-11019001	CMOS IC SN74LVC245APWR	Changed:9/'05				R
IC10,21,37,	~~CAM-424528A~~	~~IC TC74LVX4245FS~~		6	E		
40,44,46	C0-08550001	IC TC74LVX4245FS(EL F)	Changed:9/'05				R
IC13,39,61	~~CAF-012526F~~	TTL IC SN74LV125APW		3	E		
	C0-11661000		Changed:9/'05				R
IC16,34,35,	~~CAF-024426F~~	~~CMOS IC SN74LV244APW~~	CB-416-T3	6	E		
53,58,59	~~C0-11705000~~		Changed:9/'05				R
	C0-11705001	CMOS IC SN74LV244APWR	Chnaged:2/'07				R
	C0-13097001	CMOS IC TC74VHC244FT(EL K)	Changed:2/'07				R
IC17	~~CAF-000614F~~	~~TTL IC SN74LS06DB~~		1	E		
	C0-11502001	TTL IC SN74LS06DBR	Changed:9/'05				R
IC18	~~CAF-037425F~~	~~CMOS IC SN74AHCT374PW~~		1	E		
	C0-11326001	CMOS IC SN74AHCT374PWR	Changed:9/'05				R
IC23,24,32,	~~CAF-024526F~~	~~TTL IC SN74LV245APW~~		6	E		
33,49,50	~~C0-11707001~~	~~TTL IC SN74LV245APWR~~	Changed:9/'05				R
	C0-13098001	TTL IC TC74VHC245FT(EL K)	Changed:2/'07				R
IC25	~~CAF-001426F~~	~~CMOS IC SN74LV14APW~~		1	E		
	~~C0-11015000~~		Changed:9/'05				R
	C0-11015001	CMOS IC SN74LV14APWR	Changed:2/'07				R
	C0-13084001	CMOS IC TC74VHC14FT(EL K)	Added: 2/'07				R
IC27	~~CAG-0699001~~	IC DS14C335MSA		1	E		
	C0-02061000		Changed:9/'05				
IC35,53,58,	~~CAF-024426F~~	~~CMOS IC SN74LV244APW~~	CB-426-T3	4	E		
59	~~C0-11705000~~		Changed:9/'05				R
	C0-11705001	CMOS IC SN74LV244APWR	Changed:2/'07				R
	C0-13097001	CMOS IC TC74VHC244FT(EL K)	Added:2/'07				R
IC41	~~CAG-0147003~~	IC TC35095AF		1	E		
	C0-00928000		Changed:9/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

1 CPU PC BOARD ASS'Y 2/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
IC42	CAJ-0443001	IC TC200G62CF-7005 EC-M232		1	E		
IC52,55	~~CAM-024534F~~	CMOS IC SN74HCT245APW		2	E		
	C0-11488000		Changed:9/'05				R
IC54	~~CAD-0301001~~	~~IC MBM29LV160T-90PFTN~~		1	E		
	~~CAD-0404001~~	~~IC MBM29LV160TE90TN~~	Changed:9/2000				
	C0-07902000	IC MBM29LV160TE-90TN-E1	Changed:9/'05				R
	C0-04181000	IC MBM29LV160T-90PFTN	Changed:9/'05				
	C0-13589000	IC S29AL0016D70TFI010	Added:9/'06				
IC57	~~CAA-0342001~~	~~CPU HD6417708SF60~~		1	E		
	~~CAA-0342002~~	~~CPU HD6417708F60~~	CB-416-T3				
	~~C0-02341000~~		Changed:9/'05				
			Deleted:10/'05				
	C0-02342000	CPU HD6417708SF60	CB-426-T3	1	E		
			Added:9/'05				
IC64	FMBC0072401	ROM Ass'y	CB-416-T3	1			
	FMBC0072403	ROM Ass'y	CB-426-T3	1		A-1	
IC65	~~CAG-0631004~~	~~DIP LT1585CT-3.3~~		1	E		
	~~CAG-0892001~~	~~DIP LMS1585AIT-3.3~~	Changed:2/2001				
	C0-07719000	DIP LMS1585AIT-3.3/NOPB	Changed:9/'05				R
IC67	~~CAF-012521F~~	~~CMOS IC SN74LVT125PW~~		1	E		
	~~CAZ-0071001~~	~~CMOS IC SN74LVTH125PW~~	Changed:9/2000				
	C0-02889001	CMOS IC SN74LVT125PWR	Changed:9/'05				
	C0-11790001	CMOS IC SN74LVTH125PWR	Added:9/'05				R
IC68,73	~~CAG-0056001~~	~~IC M51957AFP-31A~~		2	E		
	C0-06296001	IC M51957AFP C61J	Changed:9/'05				
IC72	~~CAE-0166001~~	~~IC UPD23C32002E-74TS EC-M213~~		1	E		
	~~C0-06920000~~	~~M-ROM EC-M213 T23C8MW~~	Changed:2/2003				
	CAE-0166001	IC MSM538002E-74TS EC-M213	Added:3/2003				
	~~C0-06985000~~	~~M-ROM EC-M261 T23C8MW~~	Changed:3/2003				
	C0-13590000	M-ROM EC-M213 HY23C8200T-233	Changed:6/'06				
IC72Label	LDQB0020801	Name Label EC-M261	Added:3/2003				R
Please order the IC72Label together with the IC72 because the ROM number is not printed on the IC72.							
IC74	~~CAF-000822F~~	~~CMOS IC SN74LVC08APW~~		1	E		
	C0-11759001	CMOS IC SN74LVC08APWR	Changed:9/'05				R
IC84	~~CAM-001402A~~	~~CMOS IC TC74HC14AF (TP1)~~		1	E		
	C0-08414001	CMOS IC TC74HC14AF(EL F)	Changed:9/'05				R
IC103,104	~~CAC-0489002~~	IC HM5264165TT-10		2	E		
	C0-02407000		Changed:9/'05				
	~~CAC-0538001~~	IC HM5264165FTT-A60	Added:10/'99				
	C0-02406000		Changed:9/'05				
	C0-12530000	IC HY57V641620ETP-H	Added:6'07				R
	C0-14672000	IC HY57V641620FTP-H	Added:3/'08				
IC107	~~CAM-007422A~~	~~CMOS IC TC74VHC74F~~		1	E		
	C0-08578001	CMOS IC TC74VHC74F(EL F)	Changed:9/'05				R
IC108	~~CAM-003222A~~	~~CMOS IC TC74VHC32F (TP1)~~		1	E		
	C0-08572001	CMOS IC TC74VHC32F(EL F)	Changed:9/'05				R

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

1 CPU PC BOARD ASS'Y 3/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
(CN4)	~~GAB-0039001~~	~~SIMM Memory AD-8M72E~~ ~~ADT-8M72EL~~	CB-416-T3 Changed:9/'05 Changed:6/'08	1			
	~~GAB-0062001~~	~~SIMM Memory~~ ~~MSC2323258D-60BS4~~	~~Interchangeable~~ Added:6/2001				
	~~C0-07487000~~	~~SIMM Memory~~ ~~TS02E4S6310G-60~~	Interchangeable Added:6/2003 Changed:6/'08				
	~~C0-05358000~~	~~SIMM Memory~~ ~~MSC2323258D-60BS4~~	Interchangeable Added:6/2003				
	C0-15566000	SIMM Memory ME16U32BE-60	Changed:6/'08				
	~~GAB-0029001~~	~~SIMM Memory~~ ~~MSC2313258B-60BS2~~	CB-426-T3 Interchangeable	1		A-1	
	~~GAB-0029002~~	~~SIMM Memory~~ ~~MSC2313258D-60BS2~~	~~Added:7/'99~~				
	~~C0-07486000~~	~~SIMM Memory~~ ~~TS01E4S6310G-60~~	Interchangeable Added:6/2003				
	~~C0-03471000~~	~~SIMM Memory~~ ~~MSC2313258D-60BS2~~	Interchangeable Added:6/2003				
	C0-15566000	SIMM Memory ME16U32BE-60	Changed:6/'08				
		<Chip RSTR.>					
R1-18,27-59, 61,101,102, 104-110,113- 115,118-120, 122-125,130- 136,138,142- 144,146,148- 161,164,165, 167,168-171, 173-178,182- 184,192,195, 204,206-221	~~DBK-470JA5A~~ D0-19408001	MCR30EZHJ470 47 ohm	Changed:9/'05	132			
R103	~~DBK-000JA2A~~ D0-20172001	MCR25JZHJ000 0 ohm	Changed:9/'05	1			
R111,112,200, 203	~~DBK-102JA5A~~ ~~D0-19326001~~ D0-23893001	~~MCR03EZHJ102 1K ohm~~ MCR03EZPJ102 1K ohm	Changed:9/'05 Changed:2/'07	4			
R60,62-64, 116,117,121, 128,129,137, 139-141,145, 147,162,163, 166,179-181, 185-190,193, 194,197,205	~~DBK-103JA5A~~ ~~D0-19327001~~ D0-23895001	~~MCR03EZHJ103 10K ohm~~ MCR03EZPJ103 10Kohm	Changed:9/'05 Changed:2/'07	31			
R126,127	~~DBK-332JA5A~~ ~~D0-19390001~~ D0-23923001	~~MCR03EZHJ332 3.3K ohm~~ MCR03EZPJ332 3.3K ohm	Changed:9/'05 Changed:2/'07	2			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

1 CPU PC BOARD ASS'Y 4/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
R172	~~DBK-331JA2A~~	MCR25JZHJ331 330 ohm		1			
	DO-20209001		Changed:9/'05				
R19-26	~~DBK-101JA5A~~	~~MCR03EZHJ101 100 ohm~~		8			
	~~DO-19325001~~		Changed:9/'05				
	DO-23891001	MCR03EZPJ101 100 ohm	Changed:2/'07				
R191,196	~~DBK-000JA5A~~	~~MCR03EZHJ000 0 ohm~~		2			
	~~DO-19553001~~		Changed:9/'05				
	DO-23887001	MCR03EZPJ000 0 ohm	Changed:2/'07				
R198,201	~~DBK-472JA5A~~	~~MCR03EZHJ472 4.7kohm~~		2			
	~~DO-19410001~~		Changed:9/'05				
	DO-23928001	MCR03EZPJ472 4.7k ohm	Changed:2/'07				
R199,202	~~DBK-562JA5A~~	~~MCR03EZHJ562 5.6kohm~~		2			
	~~DO-19422001~~		Changed:9/'05				
	DO-23935001	MCR03EZPJ562 5.6kohm	Changed:2/'07				
RA1-6,11-19, 25-31,37-40, 45-50,55-64, 74,75,102-107,113,120, 123,134,135, 138,146,153, 154,163-166, 174,175,178, 179,184,185, 190,191,196-208,212,213, 218-223,227, 228,234,237-239,241,242, 244-246,250-253,259,260, 262,264-266, 268,269,273, 274,276,278, 284,286,288, 290,292	~~DBP-0015025~~	RSTR. Array MNR14E0AJ103 10kohm		124			
	DO-20280001		Changed:9/'05				
RA101,110, 111,128	~~DBP-0015019~~	RSTR. Array ~~MNR14E0AJ332~~ 3.3kohm		4			
	DO-20378001	MNR14E0ABJ332	Changed:9/'05				
RA232,233, 258,275	~~DBP-0015017~~	RSTR. Array ~~MNR14E0AJ222~~ 2.2kohm		4			
	DO-20370001	MNR14E0ABJ222	Changed:9/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

1 CPU PC BOARD ASS'Y 5/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
RA20,21,24, 32,36,41,42, 51-54,67-73, 108,109,112, 114-117, 124-127, 129-133,139- 145,149-152, 157-162,167- 173,176,177, 180-183,186, 187,194,195, 209-211,216, 217,224-226, 229-231,235, 236,240,243, 247-249,254- 257,261,263, 267,270-272, 277,279-283, 285,287,289, 291	~~DBP-0015038~~	RSTR. Array ~~MNR14E0AJ470~~ 47ohm		106			
	DO-20289001	MNR14E0ABJ470	Changed:9/'05				
		<Chip CAP.>					
C7,13-17,101- 104,113,116- 122,130-143, 145,146,149- 151,160,162- 168,171-174, 177,179,181- 185,187,189, 196,197,199, 202,206,207, 210-212,214, 216,300-304	~~DAB-103MK15~~	~~GRM39B103K50PT~~ 0.01µF		74			
	DO-04100001	GRM188B11H103KA01D	Changed:9/'05				
C18-22	~~DAA-R47MM27~~	~~UWX1HR47MCR1GB~~ 0.47µF		5			
	DO-18409001	UWX1HR47MCL1GB	Changed:9/'05				
C23,30-33	~~DAA-470CM09~~	~~UWX1A470MCR1GB~~ 47µF		5			
	DO-18390001	UWX1A470MCL1GB	Changed:9/'05				
C24-26,28,35, 36	~~DAA-101CM37~~	~~UWX1A101MCR1GB~~ 100µF		6			
	DO-18386001	UWX1A101MCL1GB	Changed:9/'05				
C29,188,195	~~DAB-100MM01~~	~~GRM39CH100D50PT~~ 10pF		3			
	DO-04085001	GRM1882C1H100JZ01D	Changed:9/'05				
C37	~~DAA-101FM66~~	~~UWX1C101MCR1GB~~ 100µF		1			
	DO-17012001	UWX1C101MCL1GB	Changed:9/'05				
C105-112,114, 115,123-129, 147,148	~~DAB-101MJ21~~	~~GRM39CH101J50PT~~ 100pF		19			
	DO-04102001	GRM1882C1H101JA01D	Changed:9/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

1 CPU PC BOARD ASS'Y 6/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
C144,152-159,	~~DAB-104HZ15~~	~~GRM39F104Z25PT~~ 0.1µF		31			
161,169,170,	DO-04098001	GRM188F11E104ZA01D	Changed:9/'05				
175,176,178,							
180,186,190-							
192,200,201,							
203-205,208,							
209,213,215,							
217,218							
C193,194	~~DAB-471MK23~~	~~GRM39B471K50PT~~ 470pF		2			
	DO-07518001	GRM188B11H471KA01D	Changed:9/'05				
C198	~~DAB-472MK09~~	~~GRM39B472K50PT~~ 4700pF		1			
	DO-07537001	GRM188B11H472KA01D	Changed:9/'05				
		<Electrolytic CAP.>					
C34	~~DAA-221CM36~~	CEDSM1A221M-T4 220µF		1			
	DO-04005001		Changed:9/'05				
		<CONN.>					
CN1	~~EAA-2181001~~	~~57RE-40360-730B (D29A)~~		1			
	EO-08181000	57RE-40360-730B(D29A)-FA	Changed:9/'05				
CN2,9	~~EAA-2772002~~	~~DHB-RD80-S131N-2.9~~		2			
	EO-08568000	DHB-RD80-S131N-2.9-FA	Changed:9/'05				
CN3	~~EAA-0876006~~	~~DHB-PB60-S131N~~		1			
	EO-08415000	DHB-PB60-S131N-FA	Changed:9/'05				
CN4	~~EAA-2514001~~	52706-7220		1			
	EO-00707000		Changed:9/'05				
CN7	~~EAA-0361018~~	~~17LE-13250-27-(D4AK)~~	QP	1			
	EO-08165000	17LE-13250-27(D4AK)-FA	Changed:9/'05				
	~~EAA-0361019~~	~~17LE-13250-27-(D4CK)~~	QQ	1			
	EO-08168000	17LE-13250-27(D4CK)-FA	Changed:9/'05				
CN8	~~EAA-0617001~~	~~B4P-VH~~		1			
	~~EO-07477000~~	~~B4P-VH (LF)~~	Changed:9/'05				
	EO-10676000	B4P-VH (LF) (SN)	Changed:9/'06				
CN10	~~EAA-2804001~~	~~DHB-PB68-S131N~~		1			
	EO-08417000	DHB-PB68-S131N-FA	Changed:9/'05				
CN101	~~EAA-2465001~~	52411-1001		1			
	EO-00661000		Changed:9/'05				
DSW1	~~EBC-0007004~~	~~DIP Switch KSP08~~		1			
	~~EO-02291000~~		Changed:9/'05				
	EO-09215000	DIP Switch KSP82	Changed:6/'06				
LC101,102,	~~DDA-0251001~~	Noise Filter ~~NFM51R00P506~~		4			
105,106	DO-23463001	NFW31SP506X1E4L	Changed:9/'05				
LC107-110	~~DDA-0089001~~	Noise Filter ~~NFM61R10T102T1~~		4			
	DO-05477001	NFE61PT102E1H9L	Changed:9/'05				
LD109-116	~~CBE-0049002~~	Chip Diode ~~1SS226 (TE85L)~~		8			
	CO-08128002	1SS226(TE85L F)	Changed:9/'05				
LED1	~~CBH-0044005~~	LED TLG123A		1			
	CO-01583000		Changed:9/'05				

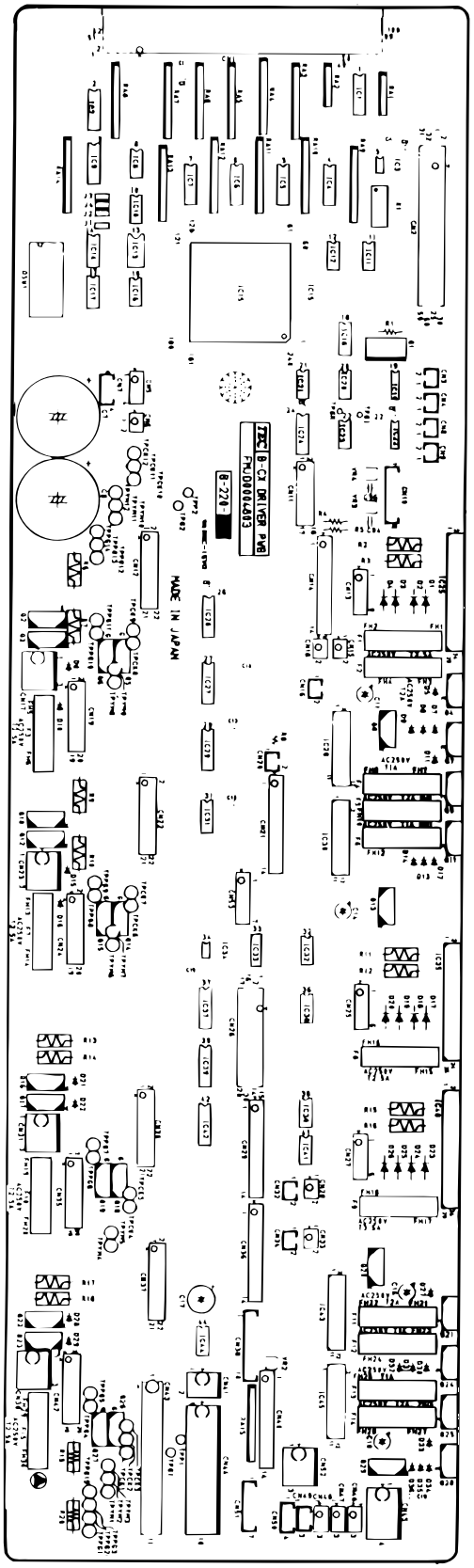
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

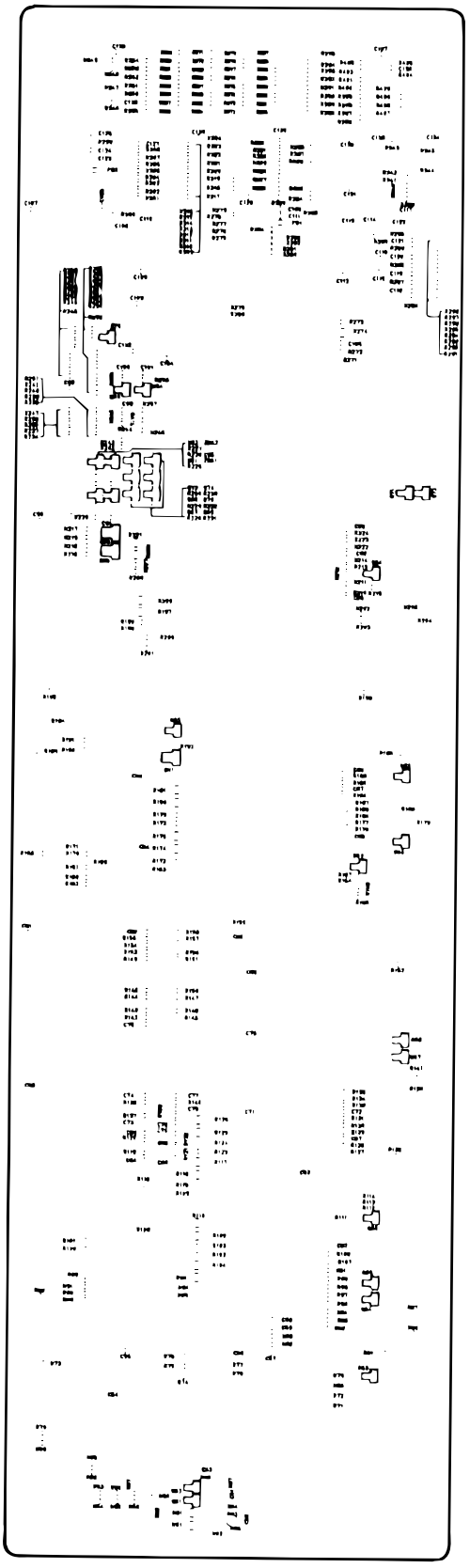
1 CPU PC BOARD ASS'Y 7/7

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
X1	~~DCD-0008008~~	Crystal AT-49 7.3728MHz		1	E		
	DO-04631000		Changed:9/'05				
	DO-24988000	Crystal AT-49-7.3728MHZ-16P-50PPM 7.3728MHz	Adde: 6/'07				
J1-6	~~EAA-0741001~~	Jumper PS-2PF-S4T1-PKL1		6			
	EO-03704000		Changed:9/'05				
J2	~~EAL-0009001~~	Jumper Socket PS-2SH4-1		1			
	EO-02055000		Changed:9/'05				
	FMEC0064101	CPU Support		1			
	X0110306140	Pan Head Screw M-3x6		2			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

2 DRIVER PC BOARD ASS'Y





2 DRIVER PC BOARD ASS'Y 1/11

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
	~~FMBC0072801~~	DRIVER PC Board Ass'y	CB-416-T3	1	E		
	FMBC0072804	~~(SERV No. B-220-03)~~	Changed:9/'06				
		(SERV No. B-220-13)					
	FMBC0072803	DRIVER PC Board Ass'y	CB-426-T3	1	E		
		(SERV No. B-220-05)					
IC1,2,4,7,9	~~CAF-024407F~~	~~TTL IC SN74LS244NST-R~~		5	E		
	~~C0-02733001~~	TTL IC SN74LS244NSR	Added:3/'04				
	C0-11581001		Changed:2/'05				
IC3	CAG-0056012	Reset IC M51953AFP		1	E		
	C0-03874000	Reset IC M51953AFP	Added:3/'04				
	C0-15418000	Reset IC M51953AFP TF0R	Added:4/'08				
IC5,6	~~CAF-024507F~~	~~TTL IC SN74SL245NST-R~~		2	E		
	~~C0-02011001~~	TTL IC SN74LS245NSR	Added:3/'04				
	C0-11584001		Changed:2/'05				
IC8,10	~~CAF-001407F~~	~~TTL IC SN74LS14NST-R~~		2	E		
	~~C0-02705001~~	TTL IC SN74LS14NSR	Added:3/'04				
	C0-11544001		Changed:2/'05				
IC11	~~CAM-000402A~~	~~C-MOS IC TC74HC04AF~~		1	E		
	~~C0-05934002~~	~~C-MOS IC TC74HC04AF(TP1)~~	Added:3/'04				
	C0-08387001	C-MOS IC TC74HC04AF(EL F)	Changed:2/'05				
IC12,16	~~CAM-000802A~~	~~C-MOS IC TC74HC08AF~~		2	E		
	~~C0-01530001~~	~~C-MOS IC TC74HC08AF(EL)~~	Added:3/'04				
	C0-08392001	C-MOS IC TC74HC08AF(EL F)	Changed:2/'05				
IC13	~~CAD-0149002~~	~~EE-PROM ST93C46AB1~~	Deleted:5/'06	1	E		
	~~C0-04552000~~	~~EE-PROM M93C46-BN6~~	Added:3/'04				
	~~C0-10514001~~	~~EE-PROM AT93C46-10SU-2.7 SL383~~	Changed:6/'06				
	C0-04552000	EE-PROM M93C46-BN6	Corrected:7/'06				
			CB-426-T3				
	C0-12151000	M93C46-WBN6P	Added:5/2006				
			CB-426-T3				
	C0-13390000	AT93C46-10PU-1.8	Added:5/2006				
			CB-416-T3				
	C0-15238000	AT93C46D-PU	Added: 1/'08				
	~~EAA-2390001~~	~~CONN. 2-641260-3~~		1			
	EAB-0163003	IC Socket 390261-2	Changed:2/2001				
	E0-00151000	IC Socket 390261-2	Added:3/'04				
	E0-08776000	IC Socket 1-390261-2	Added:12/'06				
IC14,17	~~CAN-005102A~~	~~C-MOS IC TC4051BF(N)~~		2	E		
	~~C0-01524001~~	~~C-MOS IC TC4051BF(EL N)~~	Added:3/'04				
	C0-08310001	C-MOS IC TC4051BF(EL F)	Changed:2/'05				
IC15	CAJ-0385002	Gate Array EC-M139		1	E		
	C0-14120000	Gate Array EC-M139	Added: 4/'08				
		UPD65802GN030LMUA					
IC18	~~CAM-010902A~~	~~C-MOS IC TC74HC109AF~~		1	E		
	~~C0-01130001~~	~~C-MOS IC TC74HC109AF(TP1)~~	Added:3/'04				
	C0-08396001	C-MOS IC TC74HC109AF(EL F)	Changed:2/'05				
IC19,22	~~CAG-0456002~~	~~Op Amp. BA10339F~~		2	E		
	~~C0-00177001~~	Op Amp. BA10339F-E2	Added:3/'04				
	C0-09752001		Changed:2/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

2 DRIVER PC BOARD ASS'Y 2/11

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
IC23,32,36,	CAG-0578001	0p Amp. LM324ANS		5	E		
38,41	C0-02493001	0p Amp. LM324ANSR	Added:3/'04				
IC20	~~CAM-002702A~~	~~C-MOS IC TC74HC27AF~~		1	E		
	~~C0-01192001~~	~~C-MOS IC TC74HC27AF(TP1)~~	Added:3/'04				
	C0-08456001	C-MOS IC TC74HC27AF(EL F)	Changed:2/'05				
IC21	~~CAM-001102A~~	~~C-MOS IC TC74HC11AF~~		1	E		
	~~C0-01134001~~	~~C-MOS IC TC74HC11AF(TP1)~~	Added:3/'04				
	C0-08400001	C-MOS IC TC74HC11AF(EL F)	Changed:2/'05				
IC24,27,29,	~~CAM-037402A~~	~~C-MOS IC TC74HC374AF~~		5	E		
37,39	~~C0-05937002~~	~~C-MOS IC TC74HC374AF(TP1)~~	Added:3/'04				
	C0-08472001	C-MOS IC TC74HC374AF(EL F)	Changed:2/'05				
IC25,35,40	~~CAG-0440001~~	~~Pulse Motor Driver TA8435H~~	CB-416-T3	3	E		
	~~C0-00923000~~	~~Pulse Motor Driver TA8435H~~	Added:3/'04				
	C0-09192000	Pulse Motor Driver TA8435HQ	Changed:2/'05				
IC25,40	~~CAG-0440001~~	~~Pulse Motor Driver TA8435H~~	CB-426-T3	2	E		
	~~C0-00923000~~	~~Pulse Motor Driver TA8435H~~	Added:3/'04				
	C0-09192000	Pulse Motor Driver TA8435HQ	Changed:2/'05				
IC26,42	~~CAM-024402A~~	~~C-MOS IC TC74HC244AF~~		2	E		
	~~C0-01180001~~	~~C-MOS IC TC74HC244AF(TP1)~~	Added:3/'04				
	C0-08445001	C-MOS IC TC74HC244AF(EL F)	Changed:2/'05				
IC28,30,43,	~~CAG-0617001~~	~~DC Motor Driver TA8429H~~	CB-416-T3	4	E		
45	~~C0-00922000~~	~~DC Motor Driver TA8429H~~	Added:3/'04				
	C0-09191000	DC Motor Driver TA8429HQ	Changed:2/'05				
IC31	~~CAM-017402A~~	~~C-MOS IC TC74HC174AF~~		1	E		
	~~C0-05936002~~	~~C-MOS IC TC74HC174AF(TP1)~~	Added:3/'04				
	C0-08434001	C-MOS IC TC74HC174AF(EL F)	Changed:2/'05				
IC33	CAG-0330003	D/A Converter M62363FP		1	E		
	C0-03907000	D/A Converter M62363FP	Added:3/'04				
	C0-15628000	D/A Converter M62363FP TF0G	Added:10/'08				
IC34	CAG-0083001	Thyristor µPC1093G		1	E		
	C0-03257001	Thyristor UPC1093G-T1	Added:3/'04				
IC43,45	~~CAG-0617001~~	~~DC Motor Driver TA8429H~~	CB-426-T3	2	E		
	~~C0-00922000~~	~~DC Motor Driver TA8429H~~	Added:3/'04				
	C0-09191000	DC Motor Driver TA8429HQ	Changed:2/'05				
IC44	CAM-001402A	C-MOS IC TC74HC14AF		1	E		
	~~C0-01534001~~	~~C-MOS IC TC74HC14AF(EL)~~	Added:3/'04				
	C0-08414001	C-MOS IC TC74HC14AF(EL F)	Changed:2/'05				
Q1	CBA-0381002	XISTOR. 2SB1202-TA		1			
	C0-02157001	XISTOR. 2SB1202-TD	Added:3/'04				
	C0-15372001	XISTOR. 2SB1202S/T-TL-E	Added:4/'08				
Q2,3,10,12,	~~CBA-0327001~~	~~XISTOR. 2SB1268~~	CB-416-T3	8			
16,17,22,23	~~C0-02108000~~	~~XISTOR. 2SB1268~~	Added:3/'04				
	C0-10840000	XISTOR. 2SB1268-E	Changed:2/'05				
Q4,7,9,11,21,	~~CBA-0326001~~	~~XISTOR. 2SD1838~~	CB-416-T3	8			
24,25,28	~~C0-02185000~~	XISTOR. 2SD1838	Added:3/'04				
	C0-10850000		Changed:2/'05				
Q5,6,14,15,	CBA-0332001	XISTOR. 2SJ295	CB-416-T3	8			
18,19,26,27							
Q8,13,20,29	~~CBA-0186001~~	~~XISTOR. 2SD1904RS~~	CB-416-T3	4			
	~~C0-06191000~~	~~XISTOR. 2SD1904R/S~~	Added:3/'04				
	C0-10851000	XISTOR. 2SD1904R/S-E	Changed:2/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

2 DRIVER PC BOARD ASS'Y 3/11

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
Q16,17,22,23	~~CBA-0327001~~	~~XISTOR. 2SB1268~~	CB-426-T3	4			
	~~C0-02108000~~	~~XISTOR. 2SB1268~~	Added:3/'04				
	C0-10840000	XISTOR. 2SB1268-E	Changed:2/'05				R
Q18,19,26,27	CBA-0332001	XISTOR. 2SJ295	CB-426-T3	4			
Q20,29	~~CBA-0186001~~	~~XISTOR. 2SD1904RS~~	CB-426-T3	2			
	~~C0-06191000~~	~~XISTOR. 2SD1904R/S~~	Added:3/'04				
	C0-10851000	XISTOR. 2SD1904R/S-E	Changed:2/'05				
Q21,24,25,28	~~CBA-0326001~~	~~XISTOR. 2SD1838~~	CB-426-T3	8			
	~~C0-02185000~~	XISTOR. 2SD1838	Added:3/'04				
	C0-10850000		Changed:2/'05				
Q51-60,62-64,	CBC-0017001	XISTOR. FA1A4M-T1B	CB-416-T3	22			
67-75	C0-07391001	XISTOR. FA1A4M-T1B-A	Added:3/'04				
Q51-58,67-70,	CBC-0017001	XISTOR. FA1A4M-T1B	CB-426-T3	15			
73-75	C0-07391001	XISTOR. FA1A4M-T1B-A	Added:3/'04				
Q61	CBA-0087001	XISTOR. 2SB1115-T1		1			
	C0-07376001	XISTOR. 2SB1115-T1-AZ	Added:3/'04				
Q65,66	~~CBA-0090001~~	~~XISTOR. 2SC3650~~		2			
	~~C0-02172001~~	~~XISTOR. 2SC3650-TD~~	Added:3/'04				
	C0-07876001	XISTOR. 2SC3650-TD-E	Changed:8/'05				
		<MOF RSTR.>					
R1	DBC-242JA5G	RSM1/2FB 2.4K ohm JT		1			
	D0-01929000	RSM1/2FB 2.4K ohm J	Added:3/'04				
R2,3,11,12,	DBC-R56JA3F	RSS2PJ 0.56 ohm 2W	CB-416-T3	6			
15,16	D0-06252000	RSS2PJ 0.56 ohm 2W	Added:3/'04				
	D0-21402001	RSMF2TBR56J 0.56 ohm 2W	Added:4/'07				
R2,3,15,16	DBC-R56JA3F	RSS2W 0.56ohm J 2W	CB-426-T3	4			
	D0-06252000	RSS2PJ 0.56 ohm 2W	Added:3/'04				
	D0-21402001	RSMF2TBR56J 0.56 ohm 2W	Added:4/'07				
R4	DBC-101JA5G	RSM1/2FB 100 ohm JTB 1/2W		1			
	D0-01918001	RSM1/2FB 100 ohm JTB	Added:3/'04				
R5	DBC-820JA5G	RSM1/2FB 82 ohmý J		1			
	D0-01944000	RSM1/2FB 82 ohm J	Added:3/'04				
R6,7,9,10,13,	~~DBC-561JA3G~~	~~RSM 2FB 560 ohm J 2W~~	CB-416-T3	8			
14,17,18	~~D0-01981000~~	RSM2FB 560 ohm J	Added:3/'04				
	D0-22692000		Changed:2/'05				
R13,14,17,18	~~DBC-0374001~~	~~RSM2FB 560ý ohmJ 2W~~	CB-426-T3	4			
	~~D0-01981000~~	RSM2FB 560 ohm J	Added:3/'04				
	D0-22692000		Changed:2/'05				
R19,20	~~DBC-102JA4G~~	~~RSM1FB 1Ký ohmJT 1W~~		2			
	~~D0-01951001~~	RSM1FB 1K ohm JTB	Added:3/'04				
	D0-22607001		Changed:2/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

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		<Chip RSTR.>					
~~R37-40,~~137-140	~~DBK-153GA4J~~	~~CRG10GG153T 15Kýohm~~		8			
119-122,	~~D0-01639001~~	MCR10EZHF1502 15K ohm	Added:3/'04				
~~137-140~~			R137-140: Deleted:3/'04				
			R37-40: Added:3/'04				
	D0-19737001		Changed:2/'05				
			R37-40: Deleted:11/'06				
			R137-140 Added:11/'06				
R51,95,104,	~~DBK-221JA2J~~	~~CRG4GJ221T 220 ohm 1/4W~~		17			
105,110,116,	~~D0-00592001~~	MCR25JZHJ221 220 ohm	Added:3/'04				
117,125,126,	D0-20198001		Changed:2/'05				
174,175,180,							
181,197,208,							
209,221							
R52,60,62,66,	~~DBK-103JA4J~~	~~CRG10GJ103T 10K ohm 1/10W~~		58			
67,72,81-83,	~~D0-01742001~~	MCR10EZHJ103 10K ohm	Added:3/'04				
86,87,101,	D0-19902001		Changed:2/'05				
108,114,118,							
132,136,141,							
152,162,165,							
178,188,191-193,196,200,							
201,204,205,							
216,217,236,							
238,247,248,							
259,261~265,							
267,271,275-284,406-408							
R53,55,57,	~~DBK-563GA4A~~	~~MCR10EZHUG563 56K ohm~~		7			
106,135,182,	~~D0-01707001~~	MCR10EZHF5602 56K ohm	Added:3/'04				
224	D0-19847001		Changed:2/'05				
R54,56,58,	~~DBK-103GA4J~~	~~CRG10GG103 10K ohm ý~~		7			
107,134,183,	~~D0-01617001~~	MCR10EZHF1002 10K ohm	Added:3/'04				
223	D0-19703001		Changed:2/'05				
R59,63,64,68,	~~DBK-102JA4J~~	~~CRG10GJ102T 1K ohm 1/10W~~		9			
77,272,299,	~~D0-01741001~~	MCR10EZHJ102 1K ohm	Added:3/'04				
355,404	D0-19901001		Changed:2/'05				
R61	DBK-111JA2J	CRG4GJ111T 110 ohm 1/4W		1			
	D0-01503001	CRG4GT111J 110 ohm	Added:3/'04				
R65,100,160,	~~DBK-271JA4J~~	~~CRG10GJ271T 270 ohm~~		4			
190	~~D0-01782001~~	MCR10EZHJ271 270 ohm	Added:3/'04				
	D0-19949001		Changed:2/'05				
R69,70,73,88,	~~DBK-683GA4J~~	~~CRG10GG683T 68K ohmý~~		8			
168,189,194,	~~D0-01718001~~	MCR10EZHF6802 68K ohm	Added:3/'04				
195	D0-19866001		Changed:2/'05				
R71,80,112,	~~DBK-100JA4J~~	~~CRG10GJ100T 10 ohmý~~		8			
113,164,166,	~~D0-01739001~~	MCR10EZHJ100 10 ohm	Added:3/'04				
202,203	D0-19899001		Changed:2/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

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Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
R74	~~DBK-432JA4J~~	~~CRG10GJ432T 4.3Kýohm~~		1			
	~~D0-01805001~~	MCR10EZHJ432 4.3K ohm	Added:3/'04				
	D0-19976001		Changed:2/'05				
R76	~~DBK-101JA4J~~	~~CRG10G J101T 100 ohm~~		1			
	~~D0-01740001~~	MCR10EZHJ101 100 ohm	Added:3/'04				
	D0-19900001		Changed:2/'05				
R78,225,227,	~~DBK-104JA4J~~	~~CRG10GJ104T 100Kýohm~~		6			
256,258,273	~~D0-01743001~~	MCR10EZHJ104 100K ohm	Added:3/'04				
	D0-19903001		Changed:2/'05				
R79,96,98,	~~DBK-822JA4J~~	~~CRG10GJ822T 8.2Kýohm 1/10W~~		12			
111,128,131,	~~D0-05867001~~	MCR10EZHJ822 8.2K ohm	Added:3/'04				
167,185,187,	D0-20014001		Changed:2/'05				
211,214,215							
R84,85,97,99,	~~DBK-472JA4J~~	~~CRG10GJ472T 4.7Kýohm~~		16			
127,129,130,	~~D0-01809001~~	MCR10EZHJ472 4.7K ohm	Added:3/'04				
133,176,177,	D0-19980001		Changed:2/'05				
184,186,210,							
212,213,222							
R89~92,161,	~~DBK-221JA4J~~	~~CRG10GJ221T 220ýohm~~		8			
169~171	~~D0-01772001~~	MCR10EZHJ221 220 ohm	Added:3/'04				
	D0-19939001		Changed:2/'05				
R93,94,102,	~~DBK-153JA4A~~	~~MCR10EZHUJ153 15K ohmý~~		16			
103,109,115,	~~D0-01756001~~	MCR10EZHJ153 15K ohm	Added:3/'04				
123,124,163,	D0-19921001		Changed:2/'05				
172,173,179,							
198,199,206,							
207							
R142-151,153-	DBK-513GA4J	CRG10GG513 51K ohmý		16			
158	D0-04781001	ERJ6GEYF513V 51K ohm	Added:3/'04				
R159,228-233	~~DBK-471JA4J~~	~~CRG10GJ471T 470 ohm 1/10W~~		7			
	~~D0-01808001~~	MCR10EZHJ471 470 ohm	Added:3/'04				
	D0-19979001		Changed:2/'05				
R218,219,246,	~~DBK-222JA4J~~	~~CRG10GJ222T 2.2Kýohm~~		4			
257	~~D0-01773001~~	MCR10EZHJ222 2.2K ohm	Added:3/'04				
	D0-19940001		Changed:2/'05				
R220	~~DBK-181JA4A~~	~~MCR10EZHJ181 180ýohm~~		1			
	~~D0-01760001~~	MCR10EZHJ181 180 ohm	Added:3/'04				
	D0-19926001		Changed:2/'05				
R226	~~DBK-391JA4J~~	~~CRG10GJ391T 390ýohm~~		1			
	~~D0-01800001~~	MCR10EZHJ391 390 ohm	Added:3/'04				
	D0-19970001		Changed:2/'05				
R234,255	~~DBK-332FA4J~~	~~CRG10GF332T 3.3Kýohm~~		2			
	~~D0-01675001~~	MCR10EZHF3301 3.3K ohm	Added:3/'04				
	D0-19799001		Changed:2/'05				
R235,239,241,	~~DBK-334JA4J~~	~~CRG10G334T 330K ohmý~~		7			
249,250,266,	~~D0-01795001~~	MCR10EZHJ334 330K ohm	Added:3/'04				
268	D0-19964001		Changed:2/'05				
R237	~~DBK-391FA4A~~	~~MCR10EZHUF3900 390 ohm~~		1			
	~~D0-01685001~~	MCR10EZHF3900 390 ohm	Added:3/'04				
	D0-19811001		Changed:2/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

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Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
R240	~~DBK-182FA4A~~	~~MCR10EZHF1801 1.8K ohm~~		1			
	~~D0-01646001~~	MCR10EZHF1801 1.8K ohm	Added:3/'04				
	D0-19751001		Changed:2/'05				
R242	~~DBK-332JA4J~~	~~CRG10GJ332T 3.3Kýohm~~		1			
	~~D0-01793001~~	MCR10EZHJ332 3.3K ohm	Added:3/'04				
	D0-19962001		Changed:2/'05				
R243,~~260~~	~~DBK-393JA4J~~	~~CRG10GJ393T 39K ohm 1/10W~~	R260:	~~2~~			
			Deleted:3/'04	1			
	~~D0-01802001~~	MCR10EZHJ393 39K ohm	Added:3/'04				
	D0-19972001		Changed:2/'05				
R244	~~DBK-821FA4J~~	~~CRG10GF821 820 ohm 1/10W~~		1			
	~~D0-01727001~~	MCR10EZHF8200 820 ohm	Added:3/'04				
	D0-19879001		Changed:2/'05				
R245	~~DBK-223JA4J~~	~~CRG10GJ223T 22Kýohm~~		1			
	~~D0-01774001~~	MCR10EZHJ223 22K ohm	Added:3/'04				
	D0-19941001		Changed:2/'05				
R251,252,254	~~DBK-123FA4A~~	~~MCR10EZHF1202 12Kýohm~~		3			
	~~D0-01627001~~	MCR10EZHF1202 12K ohm	Added:3/'04				
	D0-19717001		Changed:2/'05				
R253	~~DBK-561FA4J~~	~~CRG10GF561 560ýohm~~		1			
	~~D0-01705001~~	MCR10EZHF5600 560 ohm	Added:3/'04				
	D0-19845001		Changed:2/'05				
R260	~~D0-01822001~~	MCR10EZHJ563 56K ohm	Added:3/'04				
	D0-19994001		Changed:2/'05				
R269,270,301-349	~~DBK-680JA4J~~	~~CRG10GJ680T 68ýohm 1/10W~~		51			
	~~D0-01825001~~	MCR10EZHJ680 68 ohm	Added:3/'04				
	D0-20001001		Changed:2/'05				
R274	~~DBK-222JA2A~~	~~MCR25JZHJ222 2.2Kýohm 1/4W~~		1			
	~~D0-00593001~~	MCR25JZHJ222 2.2K ohm	Added:3/'04				
	D0-20199001		Changed:2/'05				
R285-290	~~DBK-681FA4J~~	~~CRG10GF681T 680ýohm~~		6			
	~~D0-01716001~~	MCR10EZHF6800 680 ohm	Added:3/'04				
	D0-19864001		Changed:2/'05				
R291,294,297	~~DBK-222FA4J~~	~~CRG10GF222 2.2Kýohm~~		3			
	~~D0-01658001~~	MCR10EZHF2201 2.2K ohm	Added:3/'04				
	D0-19766001		Changed:2/'05				
R292,295,298	~~DBK-392FA4J~~	~~CRG10GF392T 3.9K ohm~~		3			
	~~D0-01686001~~	MCR10EZHF3901 3.9K ohm	Added:3/'04				
	D0-19812001		Changed:2/'05				
R293,296	~~DBK-102FA4J~~	~~CRG10GF102T 1Kýohm~~		2			
	~~D0-01616001~~	MCR10EZHF1001 1K ohm	Added:3/'04				
	D0-19702001		Changed;2/'05				
R300	~~DBK-220JA4J~~	~~CRG10GJ220T 22 ohmý~~		1			
	~~D0-01771001~~	MCR10EZHJ220 22 ohm	Added:3/'04				
	D0-19938001		Changed:2/'05				
R350,405	~~DBK-470JA4J~~	~~CRG10GJ470T 47 ohm 1/4W~~		2			
	~~D0-01807001~~	MCR10EZHJ470 47 ohm	Added:3/'04				
	D0-19978001		Changed:2/'05				
R351-354,356-403,409	~~DBK-820JA4J~~	~~CRG10GJ820T 82 ohm 1/10W~~		53			
	~~D0-01834001~~	MCR10EZHJ820 82 ohm	Added:3/'04				
	D0-20012001		Changed:2/'05				

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Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
R410	~~DBK-000JA4A~~	~~MCR10EZHUJ000 0 ohm~~		1			
	~~D0-01189001~~	MCR10EZHJ000 0 ohm	Added:3/'04				
	D0-19898001		Changed:2/'05				
		<Carbon RSTR.>					
R8	~~DBA-682JA2E~~	~~RDM14S682J 6.8K ohm~~		1			
	~~D0-02119001~~	RDM14TS682J 6.8K ohm	Added:3/'04				
	D0-20663001		Changed:2/'05				
RA1,2	~~DBP-0185001~~	~~RSTR.Array EXB-F5E103J~~ ý ~~10K ohm x 4~~		2			
	~~D0-05155000~~	RSTR.Array RGLD4X103J 10K ohm x 4	Added:3/'04				
	D0-24322000		Changed:2/'05				
RA3-15	~~DBP-0110018~~	~~RSTR.Array EXB-F9E103J~~ ý ~~10K ohm x 8~~		13			
	~~D0-05301000~~	RSTR.Array RGLD8X103J 10K ohm x 8	Added:3/'04				
	D0-24435000		Changed:2/'05				
VR2	~~DBG-0088021~~	~~V.RSTR. RVG4H01-201NM-TC~~		1	E		
	D0-25648001	V.RSTR. PVM4A201C01R00	Changed:8/'05				
VR3,4	~~DBG-0088026~~	~~V.RSTR. RVG4H01-202VM-TC~~		2	E		
	D0-25647001	V.RSTR. PVM4A202C01R00	Changed:8/'05				
D1-4,17-20, 23-26	~~CBE-0374001~~	~~Diode 2GWJ42~~	CB-416-T3	12			
	~~C0-00501000~~	~~Diode 2GWJ42(N)~~	Added:3/'04				
	C0-10593000	Diode 2GWJ42(Q)	Changed:11/'05				
D1-4,23-26	~~CBE-0374001~~	~~Diode 2GWJ42~~	CB-426-T3	8			
	~~C0-00501000~~	~~Diode 2GWJ42(N)~~	Added:3/'04				
	C0-10593000	Diode 2GWJ42(Q)	Changed:11/'05				
D5-16,21,22, 27-36	~~CBE-0085001~~	~~Diode AM01Z~~	CB-416-T3	24			
	~~C0-00011001~~	Diode AM01ZV1	Added:3/'04				
	C0-09544001		Changed:2/'05				
D21,22,27-36	~~CBE-0085001~~	~~Diode AM01Z~~	CB-426-T3	12			
	~~C0-00011001~~	Diode AM01ZV1	Added:3/'04				
	C0-09544001		Changed:2/'05				
D51-54	CBN-0022001	Diode HSM107STL		4			
	C0-02431001	Diode HSM107STL	Added:3/'04				
ZD51,52	CBG-0222001	Z.Diode 02CZ4.7YTE85R		2			
	C0-00435001	Z.Diode 02CZ4.7-Y(TE85R)	Added:3/'04				
		<Electrolytic CAP.>					
C7,8	~~DAA-822KM01~~	~~CEAUF1V822M10 8200µF~~	CB-416-T3	2			
	~~D0-06649000~~	~~KMH35VNSN8200M22F~~ 8200µF	Added:3/'04				
	D0-17078000	KMH35VNSN8200M22FE0	Changed:2/'05				
C8	~~DAA-822KM01~~	~~CEAUF1V822M10 8200µF~~	CB-426-T3	1			
	~~D0-06649000~~	~~KMH35VNSN8200M22F~~ 8200µF	Added:3/'04				
	D0-17078000	KMH35VNSN8200M22FE0	Changed:2/'05				
C11,14,16,18	~~DAA-100KM14~~	~~CEDFM1V100M3 10µF~~	CB-416-T3	4			
	~~D0-03817000~~	~~KMF35VB10M 10µF~~	Added:3/'04				
	D0-16747000	KMF35VB10ME0 10µF	Changed:2/'05				

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C16,18	~~DAA-100KM14~~	~~CEDFM1V100M3 10µF~~	CB-426-T3	2			
	~~D0-03817000~~	~~KMF35VB10M 10µF~~	Added:3/'04				
	D0-16747000	KMF35VB10ME0 10µF	Changed:2/'05				
C17	~~DAA-221FM06~~	~~CEBSM1C221M 220µF~~		1			
	~~D0-03608000~~	~~KME16VB220M 220µF~~	Added:3/'04				
	D0-16631000	KME16VB220ME0 220µF	Changed:2/'05				
C94,96	DAC-104HJ03	Film CAP.		2			
		ECHV1E104JB 0.1µF					
	D0-21548001	ECQV1H104JL3 0.1uF	Added:9/'06				
		<Chip CAP.>					
C1-6,9,10,12,	DAB-103MK10	GRM40B103K50PT 0.01µF		51			
13,15,19,54,	D0-05661001	GRM216B11H103KA01D 0.01µF					
55,58,65,71,							
75,78-80,82-							
84,86,98,102-							
105,107,108,							
110-115,117,							
125-135,137							
C51-53,56,57,	DAB-103MZ11	GRM40F104Z50PT 0.1µF		30			
59-63,67,72,	D0-05722001	GRM219F11H104ZA01D 0.01µF	Added:3/'04				
85,87-89,92,							
93,99,106,							
109,116,118-							
122,124,136,							
138							
C64,66,69,70,	DAB-391MK03	GRM40CH391J50PT 390pF		8			
73,74,76,77	D0-05711001	GRM2162C1H391JA01D 390pF	Added:3/'04				
C68,81,90	DAB-332MK10	GRM40B332K50PT 3300pF	CB-416-T3	3			
	D0-05674001	GRM216B11H332KA01D 3300pF	Added:3/'04				
C68,90	DAB-332MK10	GRM40B332K50PT 3300pF	CB-426-T3	2			
	D0-05674001	GRM216B11H332KA01D 3300pF	Added:3/'04				
C91,95,100,	DAB-102MK18	GRM40CH102K50PT 1000pF		4			
101	D0-05692001	GRM2192C1H102JA01D 1000pF	Added:3/'04				
C123	DAB-333MK04	GRM40B333K50PT 0.033µF		1			
	D0-05675001	GRM219B11H333KA01D 0.033µF	Added:3/'04				
CN1	EAA-1488006	CONN. 52368-1001		1			
	E0-00883000	CONN. 52368-1001	Added:3/'04				
CN2	EAA-2307001	CONN. 52411-0601		1			
	E0-00660000	CONN. 52411-0601	Added:3/'04				
	E0-00640000	CONN. 52326-0601	Added:4/'08				
CN3,4,8,9	EAA-0142010	CONN. IL-S-2P-S2T2-EF		4			
	E0-01964000	CONN. IL-S-2P-S2T2-EF	Added:3/'04				
CN5	EAA-0046002	CONN. 53014-0410		1			
	E0-00616000	CONN. 53014-0410	Added:3/'04				
CN6	EAA-0290003	CONN. 53014-0210		1			
	E0-00614000	CONN. 53014-0210	Added:3/'04				
	DBZ-0034011	Carbon RSTR. RD1/4SSPJ 100Ký		1			
CN7	~~EAA-1462003~~	~~CONN. B4B-PH-K-S~~		1			
	~~E0-00245000~~	~~CONN. B4B-PH-K-S~~	Added:3/'04				
	~~E0-06789000~~	~~CONN. B4B-PH-K-S (LF)~~	Changed:2/'05				
	E0-09943000	CONN. B4B-PH-K-S (LF)(SN)	Changed:7/'06				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

2 DRIVER PC BOARD ASS'Y 9/11

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
CN10	~~EAA-1462002~~	~~CONN. B8B-PH-K-S~~		1			
	~~E0-00193000~~	~~CONN. B8B-PH-K-S~~	Added:3/'04				
	~~E0-06792000~~	~~CONN. B8B-PH-K-S (LF)~~	Changed:2/'05				
	E0-10660000	CONN. B8B-PH-K-S (LF)(SN)	Changed:7/'06				
CN11	EAA-1507001	CONN. LY20-18P-DT1-P5		1			
	~~E0-02006000~~	~~CONN. LY20-18P-DT1-P5~~	Added:3/'04				
	E0-09175000	CONN. LY20-18P-DT1-P5E	Changed:9/'06				
CN12,22,30,	EAA-2198001	CONN. LY20-22P-DT1-P5	CB-416-T3	4			
37	~~E0-02011000~~	~~CONN. LY20-22P-DT1-P5~~	Added:3/'04				
	E0-09177000	CONN. LY20-22P-DT1-P5E	Changed:9/'06				
CN13	EAA-0290004	CONN. 53014-0610		1			
	E0-00618000	CONN. 53014-0610	Added:3/'04				
CN14	EAA-0290010	CONN. 53014-1411	CB-416-T3	1			
	E0-01085000	CONN. 53014-1411	Added:3/'04				
CN15	EAA-0590001	CONN. 53014-0211	CB-416-T3	1			
	E0-01067000	CONN. 53014-0211	Added:3/'04				
CN16,20,32,34	~~EAA-0141004~~	~~CONN. B2B-PH-K-S~~	CB-416-T3	4			
	~~E0-00230000~~	~~CONN. B2B-PH-K-S~~	Added:3/'04				
	~~E0-06578000~~	~~CONN. B2B-PH-K-S (LF)~~	Changed:2/'05				
	E0-09751000	CONN. B2B-PH-K-S (LF)(SN)	Changed:7/'06				
CN17,23,31,	~~EAA-1186001~~	~~CONN. B3P-VH~~	CB-416-T3	~~5~~			
39~~,52~~	~~E0-00294000~~	~~CONN. B3P-VH~~	Added:3/'04 CN52: Deleted:3/'04	4			
	~~E0-07476000~~	~~CONN. B3P-VH (LF)~~	Changed:2/'05				
	E0-10675000	CONN. B3P-VH (LF)(SN)	Changed:7/'06				
CN18	EAA-0290002	CONN. 53014-0212	CB-416-T3	1			
	E0-01068000	CONN. 53014-0212	Added:3/'04				
CN19,24,35,	EAA-1486001	CONN. LY20-20P-DT1-P5	CB-416-T3	4			
42	E0-02009000	CONN. LY20-20P-DT1-P5	Added:3/'04				
	E0-09176000	CONN. LY20-20P-DT1-P5E	Changed:9/'06				
CN21	EAA-2387001	CONN. 53014-1412	CB-416-T3	1			
	E0-01086000	CONN. 53014-1412	Added:3/'04				
CN25	EAA-0290009	CONN. 53014-0614	CB-416-T3	1			
	E0-01080000	CONN. 53014-0614	Added:3/'04				
CN26	EAA-1696003	CONN. 52326-0301		1			
	E0-00637000	CONN. 52326-0301	Added:3/'04				
CN27	EAA-0290008	CONN. 53014-0613		1			
	E0-01079000	CONN. 53014-0613	Added:3/'04				
CN28	EAA-0290006	CONN. 53014-0214		1			
	E0-01070000	CONN. 53014-0214	Added:3/'04				
CN29	EAA-0290012	CONN. 53014-1414		1			
	E0-01088000	CONN. 53014-1414	Added:3/'04				
CN30,37	EAA-2198001	CONN. LY20-22P-DT1-P5	CB-426-T3	2			
	E0-02011000	CONN. LY20-22P-DT1-P5	Added:3/'04				
CN31,39~~,52~~	~~EAA-1186001~~	~~CONN. B3P-VH~~	CB-426-T3	~~3~~			
	~~E0-00294000~~	~~CONN. B3P-VH~~	Added:3/'04 CN52: Deleted:3/'04	2			
	E0-07476000	CONN. B3P-VH (LF)	Changed:2/'05				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

2 DRIVER PC BOARD ASS'Y 10/11

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
CN32,34	~~EAA-0141004~~	~~CONN. B2B-PH-K-S~~	CB-426-T3	2			
	~~E0-00230000~~	~~CONN. B2B-PH-K-S~~	Added:3/'04				
	E0-06578000	CONN. B2B-PH-K-S (LF)	Changed:2/'05				
CN33	EAA-0589001	CONN. 53014-0213		1			
	E0-01069000	CONN. 53014-0213	Added:3/'04				
CN35,42	EAA-1486001	CONN. LY20-20P-DT1-P5	CB-426-T3	2			
	E0-02009000	CONN. LY20-20P-DT1-P5	Added:3/'04				
CN36	EAA-0290011	CONN. 53014-1413		1			
	E0-01087000	CONN. 53014-1413	Added:3/'04				
CN38	~~EAA-1689001~~	~~CONN. B10B-PH-K-S~~		1			
	~~E0-00400000~~	~~CONN. B10B-PH-K-S~~	Added:3/'04				
	~~E0-06781000~~	~~CONN. B10B-PH-K-S (LF)~~	Changed:2/'05				
	E0-10032000	CONN. B10B-PH-K-S (LF)(SN)	Changed:7/'06				
	DBZ-0034011	Carbon RSTR. RD1/4SSPJ 100Ký		1			
CN40	EAA-2301001	CONN. 53014-1410		1			
	E0-00625000	CONN. B4P-VH	Added:3/'04				
CN41	~~EAA-2144001~~	~~CONN. B2P-VH~~		1			
	~~E0-00312000~~	~~CONN. B2P-VH~~	Added:3/'04				
	~~E0-07475000~~	~~CONN. B2P-VH (LF)~~	Changed:2/'05				
	E0-10674000	CONN. B2P-VH (LF)(SN)	Changed:7/'06				
CN44	~~EAA-2251001~~	~~CONN. B10P-VH~~		1			
	~~E0-00293000~~	~~CONN. B10P-VH~~	Added:3/'04				
	~~E0-07483000~~	~~CONN. B10P-VH (LF)~~	Changed:2/'05				
	E0-10682000	CONN. B10P-VH (LF)(SN)	Changed:7/'06				
CN45	~~EAA-0617001~~	~~CONN. B4P-VH~~		1			
	~~E0-00297000~~	~~CONN. B4P-VH~~	Added:3/'04				
	~~E0-07477000~~	~~CONN. B4P-VH (LF)~~	Changed:2/'05				
	E0-10676000	CONN. B4P-VH (LF)(SN)	Changed:7/'06				
CN46	EAA-0290007	CONN. 53014-0314		1			
	E0-01074000	CONN. 53014-0314	Added:3/'04				
CN47	EAA-1178002	CONN. 53014-0313		1			
	E0-01073000	CONN. 53014-0313	Added:3/'04				
CN48	EAA-1178001	CONN. 53014-0310		1			
	E0-00615000	CONN. 53014-0310	Added:3/'04				
CN49	EAA-0156005	CONN. IL-S-3P-S2T2-EF		1			
	E0-01967000	CONN. IL-S-3P-S2T2-EF	Added:3/'04				
CN50	EAA-0156004	CONN. IL-S-4P-S2T2-EF		1			
	E0-01969000	CONN. IL-S-4P-S2T2-EF	Added:3/'04				
CN51	~~EAA-2187001~~	~~CONN. B7B-PH-K-S~~		1			
	~~E0-00192000~~	~~CONN. B7B-PH-K-S~~	Added:3/'04				
	~~E0-06791000~~	~~CONN. B7B-PH-K-S (LF)~~	Changed:2/'05				
	E0-09514000	CONN. B7B-PH-K-S (LF) (SN)	Changed:9/'06				
CN53	EAA-0592001	CONN. 53014-0710		1			
	E0-00619000	CONN. 53014-0710	Added:3/'04				
DSW1	EBC-0065001	Dip Switch KS08		1			
	E0-02314000	DIP Switch KS08	Added:3/'04				
	E0-11897000	DIP Switch KS82	Added:8/'07				

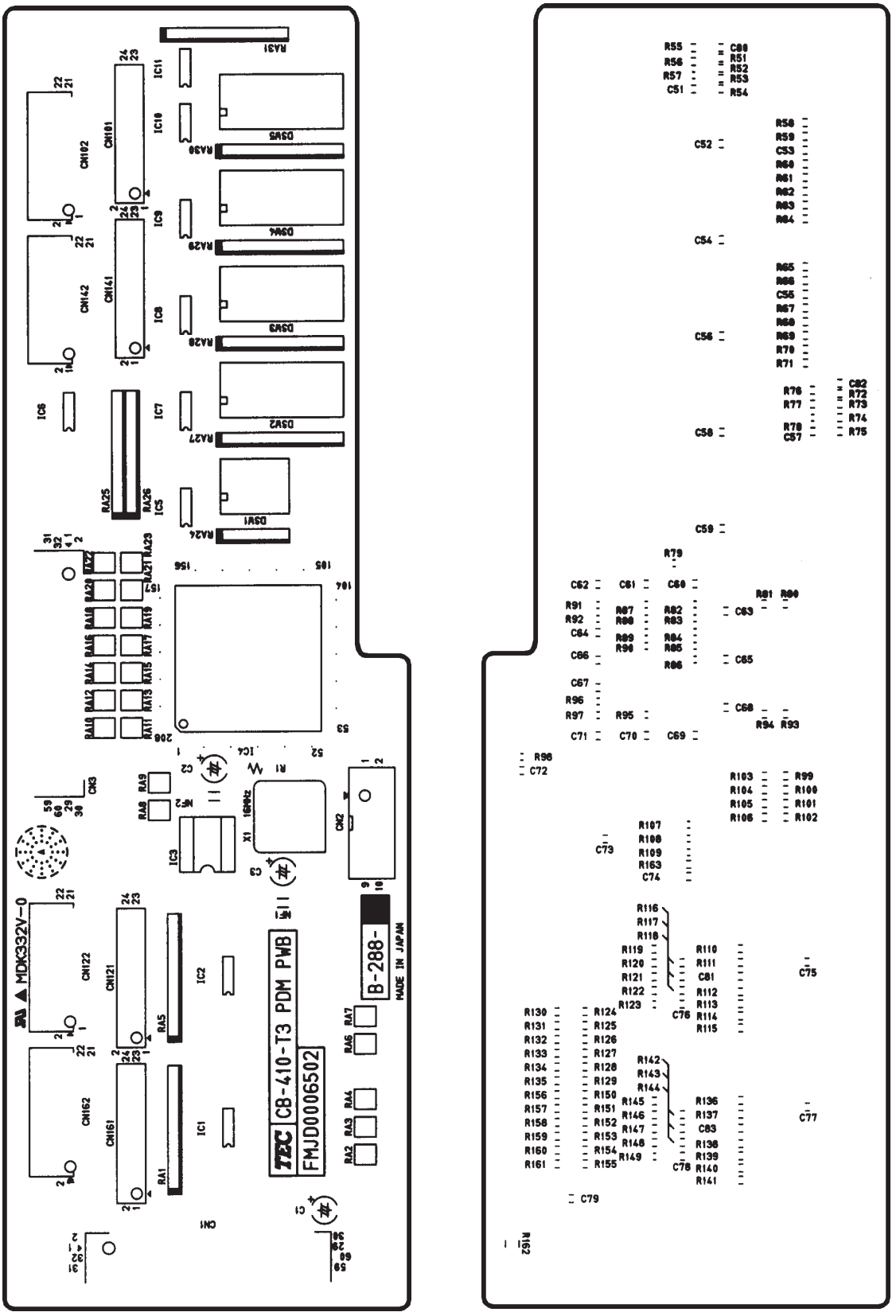
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

2 DRIVER PC BOARD ASS'Y 11/11

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
F1,3,7-10,15	~~EHA-0102002~~	~~Fuse SD62.5AN1 2.5A~~	CB-416-T3	7	D		
	E0-09195000	Fuse 023902.5MXP	Changed:11/'06				
	E0-03522000	Fuse SD6-2.5A N1	Added:3/'04				
	E0-07175000	Fuse 0239 02.5M	Added:3/'04				
F1,9,10,15	~~EHA-0102002~~	~~Fuse SD62.5AN1 2.5A~~	CB-426-T3	4	D		
	E0-09195000	Fuse 023902.5MXP	Changed:11/'06				
	E0-03522000	Fuse SD6-2.5A N1	Added:3/'04				
	E0-07175000	Fuse 0239 02.5M	Added:3/'04				
F2,5,11,14	EHA-0102001	Fuse SD62AN1 2A	CB-416-T3	4	D		
	E0-03523000	Fuse SD6-2A N1	Added:3/'04				
	E0-07174000	Fuse 0239 002M	Added:3/'04				
	E0-09192000	Fuse 0239002.MXP	Added:9/'06				
F4,6,12,13	EHA-0101001	Fuse SD61AN1 1A	CB-416-T3	4	D		
	E0-03521000	Fuse SD6-1A N1	Added:3/'04				
	E0-07173000	Fuse 0239 001M	Added:3/'04				
F11,14	EHA-0102001	Fuse SD62AN1 2A	CB-426-T3	2	D		
	E0-03523000	Fuse SD6-2A N1	Added:3/'04				
	E0-07174000	Fuse 0239 002M	Added:3/'04				
F12,13	EHA-0101001	Fuse SD61AN1 1A	CB-426-T3	2	D		
	E0-03521000	Fuse SD6-1A N1	Added:3/'04				
	E0-07173000	Fuse 0239 001M	Added:3/'04				
FH1-30	EHD-0005003	Fuse Holder PFC5000-0202	CB-416-T3	30			
	E0-05636000	Fuse Holder PFC5000-1902	Added:3/'04				
FH1,2,17-30	EHD-0005003	Fuse Holder PFC5000-0202	CB-426-T3	16			
	E0-05636000	Fuse Holder PFC5000-1902	Added:3/'04				
X1	DCD-0093002	Crystal EX0-3C 20MHz		1	E		
	D0-00695000	EXO-3 20.000MHZ	Added:3/'04				
J1~4	EAA-0750001	Jumper Socket PS-40PF-D4T1-PKL1		2			
	E0-02054000	Jumper Socket PS-40PF-D4T1-PKL1	Added:3/'04				
J1,3	EAL-0009001	Jumper Pin PS-2SH4-1		2			
	E0-02055000	Jumper Pin PS-2SH4-1	Added:3/'04				
FB1,2	DDH-0094001	Inductor BLM41A800S		2			
	D0-04471001	BLM41AF800SN1L	Added:3/'04				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

3 PDM PC BOARD ASS'Y



3 PDM PC BOARD ASS'Y 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
	FMBC0071101	PDM PC Board Ass'y		1	E		
IC1,2,6,11	~~CAM-024429A~~	~~CMOS IC TC74VHC244FT~~		4	E		
	C0-01331001	TSSOP 20P TC74VHC244FT(EL)	Changed:6/'06				
IC3	CAE-0194001	DIP EPC1441PC8 EC-M242		1	E		
	~~EAA-2390001~~	IC Socket 2-641260-3		1			
	E0-00140000		Changed:6/'06				
	E0-00151000	IC Socket 390261-2	Changed:12/'06				
	E0-08776000	IC Socket 1-390261-2	Changed:12/'06				R
IC4	~~CAB-0438001~~	IC EPF6016QC208-3		1	E		
	C0-04939000		Changed:6/'06				
		<Carbon RSTR.>					
R1	~~DBA-470JA2E~~	RDM14TS470J 470 ohm		1			
	D0-20640001		Changed:6/'06				R
		<Chip RSTR.>					
R162	~~DBK-000JA2A~~	MCR25JZHJ000 0 ohm		1			
	D0-20172001		Changed:6/'06				R
R51-56,58-77,	~~DBK-470JA5A~~	MCR03EZHJ470 47 ohm		85			
80,93,99-106,	D0-19408001		Changed:6/'06				
110-122,124-	D0-23926001	MCR03EZPJ470 47 ohm	Changed:12/'06				R
133,136-148,							
150-161,163							
R57,78,79,123,	~~DBK-103JA4A~~	MCR10EZHJ103 10k ohm		5			
149	D0-19902001		Changed:6/'06				R
R81,~~74~~94,134,	~~DBK-103JA5A~~	~~MCR03EZHJ103 10k ohm~~		4			
135	~~D0-19327001~~		Changed:6/'06				
	D0-23895001	MCR03EZPJ103 10k ohm	Changed:12/'06				R
R82-92,95-98,	~~DBK-102JA4A~~	MCR10EZHJ102 1k ohm		18			
107-109	D0-19901001		Changed:6/'06				R
		<RSTR. Array>					
RA1,5,25,26,31	~~DBP-0047005~~	EXBF9E103J 10k ohm		5			
	D0-07271000		Changed:6/'06				
RA2-4,6-9,11,	~~DBP-0015025~~	MNR14E0ABJ103 10k ohm		14			
13,15,17,19,	D0-20280001		Changed:6/'06				R
21,23							
RA10,12,14,16,	~~DBP-0015038~~	MNR14E0ABJ470 47 ohm		7			
18,20,22	D0-20289001		Changed:6/'06				R
C1-3	DAA-470FM19	Electrolytic CAP. CEBSM1C470M-T4 47µF		3			
C51-79	~~DAB-103MK15~~	Chip CAP. ~~GRM39B103K50PT~~ 0.01µF		29			
	D0-04100001	GRM188B11H103KA01D	Changed:6/'06				R
C80-83	~~DAB-300MJ15~~	Chip CAP. ~~GRM39CH300J50PT~~ 30pF		4			
	D0-07599001	GRM1882C1H300JD01D	Changed:6/'06				R
	D0-23877001	GRM1882C1H300JA01D	Added:6/'06				R

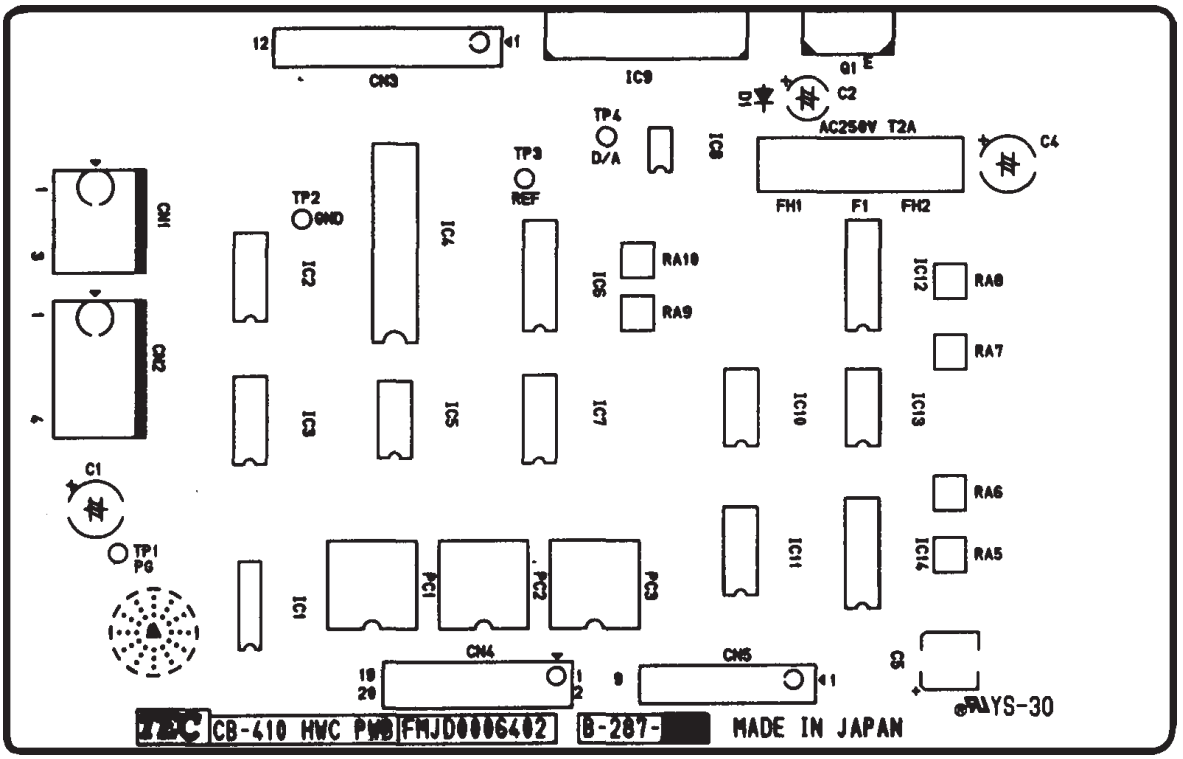
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

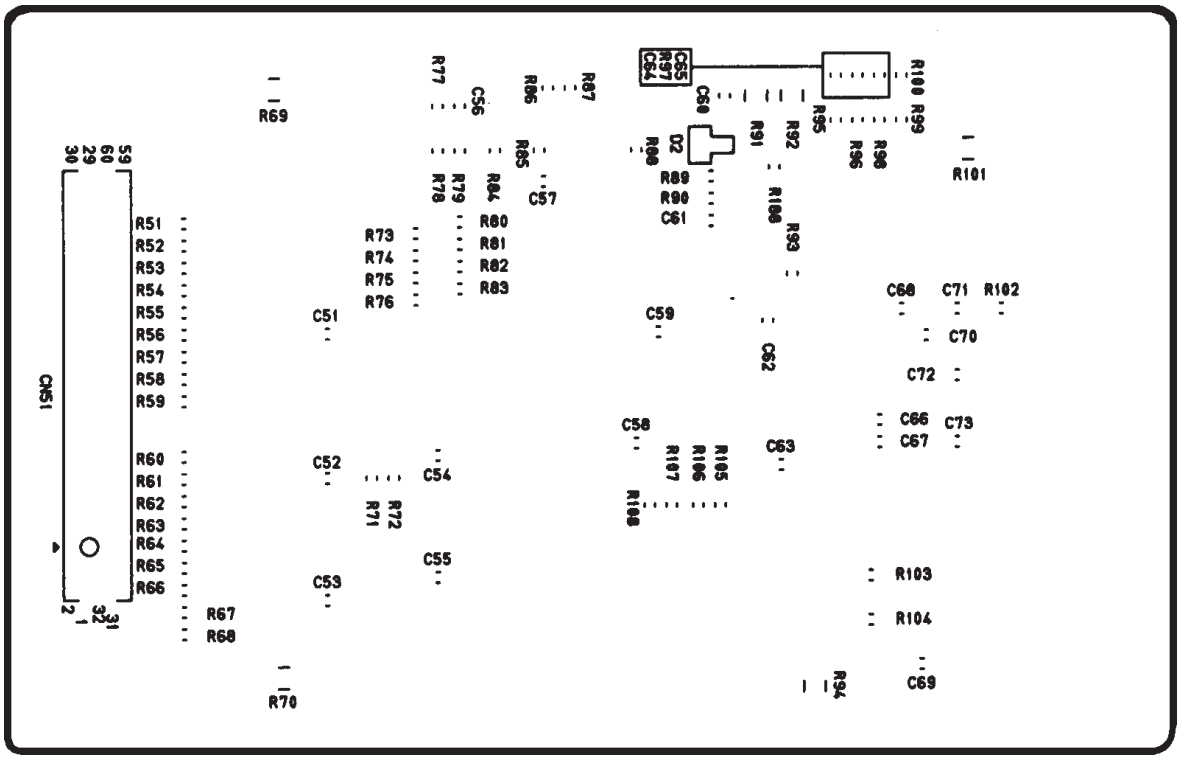
3 PDM PC BOARD ASS'Y 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
		<CONN.>					
CN1,3	~~EAA-1337008~~	~~CONN. DHB-PA60-R131N~~		2			
	EO-08397000	DHB-PA60-R131N-FA	Changed:6/'06				R
CN101,121,141, 161	~~EAA-1505001~~	~~CONN. LY20-24P-DT1-P5~~		4			
	EO-09178000	LY20-24P-DT1-P5E	Changed:6/'06				R
CN102,122,142, 162	~~EAA-1335013~~	~~CONN. LY20-22P-DLT1-P5~~		4			
	EO-09180000	LY20-22P-DLT1-P5E	Changed:6/'06				R
X1	~~DCD-0020008~~	~~Crystal 1329-B1.16MHz~~		1	E		
	DO-08090000	Crystal 1329-M1 16MHZ	Changed:6/'06				
NF1,2	~~DDH-0094001~~	~~Noise Filter BLM41A800SPT~~		2			
	DO-04471001	Noise Filter BLM41AF800SN1L	Changed:6/'06				R

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

4 MOTOR PC BOARD ASS'Y





4 MOTOR PC BOARD ASS'Y 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
	FMBB0058501	Motor PC Board Ass'y		1	E		
IC1	CBB-0022001	IC TD62004F		1	E		
IC2	CAM-012302A	CMOS IC TC74HC123AF		1	E		
IC4	CAG-0104001	DIP IC µPD7011C		1	E		
IC3,7	CAM-017402A	CMOS IC TC74HC174AF (TP1)		2	E		
IC5	CAM-012502A	CMOS IC TC74HC125AF (TP1)		1	E		
IC6,14	CAM-024422A	CMOS IC TC74VHC244F		2	E		
IC8	CAG-0226002	IC µPC842G2-T1		1	E		
IC9	CAG-0617001	ZIP IC TA8429H		1	E		
IC10,13	CAM-003222A	CMOS IC TC74VHC32F (TP1)		2	E		
IC11	CAM-013822A	CMOS IC TC74VHC138F		1	E		
IC12	CAM-024522A	CMOS IC TC74VHC245F (TP1)		1	E		
Q1	CBA-0326001	XISTOR. 2SD1838		1			
D1	CBE-0085001	Diode AM01Z		1			
		<Chip RSTR.>					
R51-67,71-76, 80-83	DBK-680JA4A	MCR10EZHJ680 68ý		27			
R68,88,96,99	DBK-103JA4A	MCR10EZHJ103 10ký		4			
R69,70,94	DBK-000JA2A	MCR25JZHJ000 0ý		3			
R77	DBK-221JA4A	MCR10EZHJ221 220ý		1			
R78,85	DBK-472FA4A	MCR10EZHF4701 4.7ký		2			
R79,84,93	DBK-222FA4A	MCR10EZHF2201 2.2ký		3			
R86	DBK-683JA4A	MCR10EZHJ683 68ý		1			
R87	DBK-153JA4A	MCR10EZHJ153 15ký		1			
R89	DBK-912FA4A	MCR10EZHF9101 9.1ký		1			
R90	DBK-102FA4A	MCR10EZHF1001 1ký		1			
R91,92	DBK-222JA2A	MCR25JZHJ222 2.2ký		2			
R95,98,103-108	DBK-101JA4A	MCR10EZHJ102 1ký		8			
R97,100	DBK-101JA4A	MCR10EZHJ101 100ý		2			
R102	DBK-224JA4A	MCR10EZHJ224 220ký		1			
RA5-10	DBP-0015025	RSTR.Array MNR14E0AJ103		6			
		<Electrolytic CAP.>					
C2	~~DAA-100MM17~~	~~CEUSM1H100-T4 10µF~~	Interchangeable	1			
	D0-04124001	CESEM1H100-T4 10µF	Changed 10/'08				
	D0-03655001	TC04RSME50VB10MF50 10µF	Added 10/'08				
	D0-26638001	ESMG500ETC100ME11D 10µF	Added 10/'08				
C4	DAA-470MM19	CESEM1H470-T4 47µF		1			
C5	DAA-470FM51	UWX1C470MCR1GB 47µF		1			

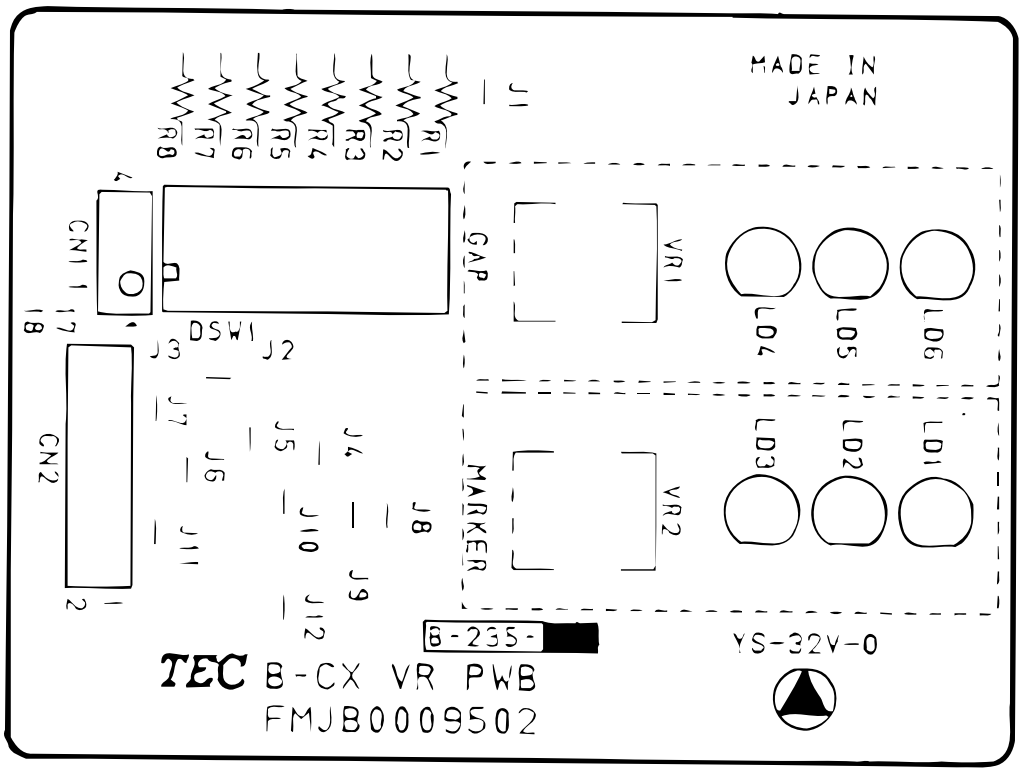
*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

4 MOTOR PC BOARD ASS'Y 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
		<Chip CAP.>					
C61,71	DAB-104MZ11	GRM40F104Z50PT 0.1µF		2			
C51-55,57,58, 59,60,62,63, 69,70,73	DAB-103MK10	GRM40B103K50PT 0.01µF		14			
C56	DAB-391MK03	GRM40CH391J50PT 390pF		1			
C68,72	DAB-101MJ17	GRM40CH101J50PT 100pF		2			
C64-67	DAB-221MJ14	GRM40CH221J50PT 220pF		4			
CN1	EAA-1186001	CONN. B3P-VH		1			
CN2	EAA-0617001	CONN. B4P-VH		1			
CN3	EAA-2388001	CONN. 53014-1213		1			
CN4	EAA-1486001	CONN. LY20-20P-DT1-P5		1			
CN5	EAA-0520001	CONN. 53014-0910		1			
~~CN50~~	~~EAA-2306001~~	CONN. 52326-0601		1			
CN51	E0-00640000		Corrected10/'08				
F1	EHA-0102001	Fuse SD6 2A N1		1	D		
FH1,2	EHD-0005003	Fuse Holder PFC5000-1902		2			
PC1-3	DEC-0006012	DIP TLP521-2 (GB)		3			
TP1-4	EAE-0019001	Test Pin IPS-1163		4			
	FMEC0063701	Heat Sink Plate		1			
SMW-3x6	X0110306137	Double Sems Screw M-3x6		2			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: New Parts

5 VR PC BOARD ASS'Y

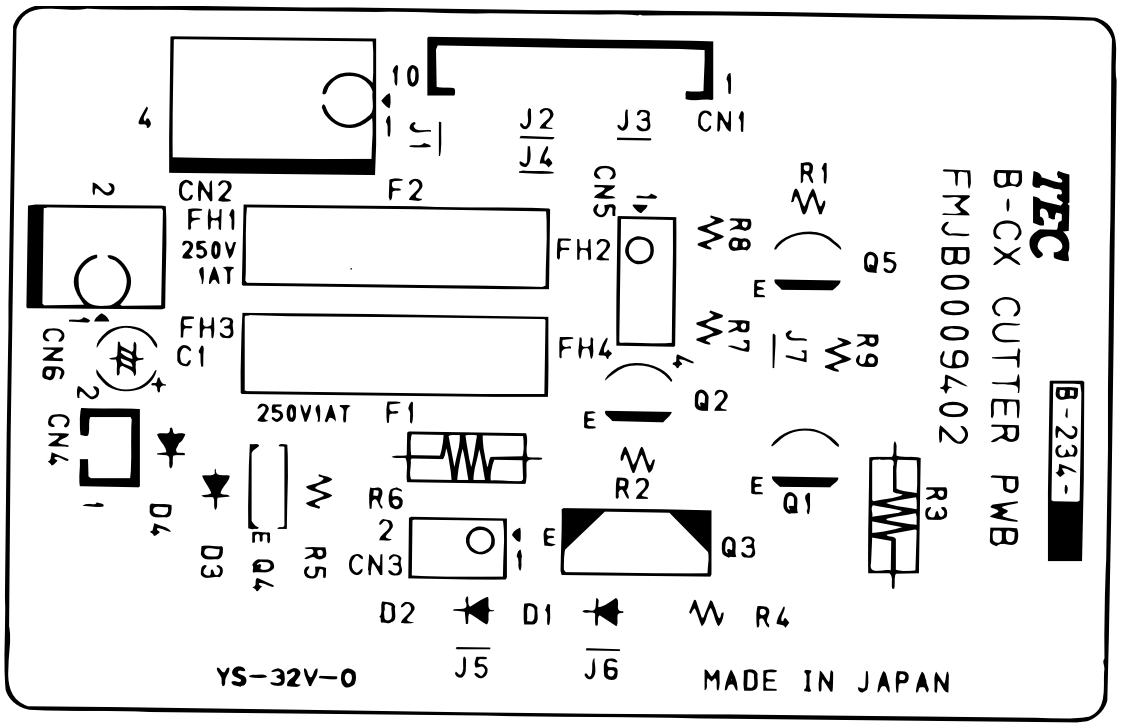


5 VR PC BOARD ASS'Y

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
	FMBB0041001	VR PC Board Ass'y (SERV No. B-235-01)		1	E		
LD1,2,5,6	CBH-0162001	LED SLP-236B-81		4			
	~~C0-05326000~~	LED SLP-236B-81	Added:6/'04				
	C0-12260000		Changed:4/'07				R
LD3,4	CBH-0161001	LED SLP-136B-81		2			
	~~C0-05324000~~	LED SLP-136B-81	Added:6/'04				
	C0-12259000		Changed:4/'07				R
R1,4,7	2425B043224	MOF RSTR. EF1/4 2.2Kohm F		3			
	D0-13399000	MOF RSTR. EF1/4 2.2KOHMF	Added:6/'04				
	D0-19076000	MOF RSTR. MF1/4DC2201F 2.2Kohm	Added:6/'04				
R2,5,8	DBB-390101P	MOF RSTR. EF1/4 3.9Kohm F		3			
	D0-01511001	MOF RSTR. EF1/4 3.9KOHMFT26	Added:6/'04				
	D0-19077001	MOF RSTR. MF1/4DCT26A3901F 3.9Kohm	Added:6/'04				
R3,6	2425B04310F	MOF RSTR. EF1/4 1Kohm F		2			
	D0-01508000	MOF RSTR. EF1/4 1KOHMF	Added:6/'04				
	D0-15520000	MOF RSTR. MF1/4DC1001F 1Kohm	Added:6/'04				
VR1,2	DBG-0209001	V.RSTR. EVUF2AE15B52		2	E		
	~~D0-04912000~~	V.RSTR. EVUF2AE15B52	Added:6/'04				
	D0-22443000		Changed:4/'07				R
CN2	EAA-1335012	CONN. LY20-18P-DLT1-P5		1			
	~~E0-02005000~~	~~CONN. LY20-18P-DLT1-P5~~	Added:6/'04				
	E0-09179000	CONN. LY20-18P-DLT1-P5E	Changed:4/'07				R
SW1	EBC-0065001	DIP Switch KS08		1			
	E0-02314000	DIP Switch KS08	Added:6/'04				
J1,2,4~12	DBA-0R0JA2F	Carbon RSTR. RD1/4SSPJ 0ohm		11			
	D0-00220001	Carbon RSTR. 1/6ZT26 0ohm	Added:6/'04				

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

6 CUTTER PC BOARD ASS'Y



6 CUTTER PC BOARD ASS'Y 1/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
	FMBB0040403	CUTTER PC Board Ass'y (SERV No. B-234-03)		1	E		
Q1	~~CBC-0015004~~	~~XISTOR. RN2201~~		1			
	~~C0-00669001~~	~~XISTOR. RN2201 (TPE4)~~	Added:3/'04				
	C0-08780001	XISTOR. RN2201(TPE4 F)	Changed:2/'05				R
Q2,5	~~CBC-0014001~~	~~XISTOR. RN1201~~		2			
	~~C0-00649001~~	~~XISTOR. RN1201 (TPE4)~~	Added:3/'04				
	C0-08765001	XISTOR. RN1201(TPE4 F)	Changed:2/'05				R
Q3	~~CBA-0157001~~	~~XISTOR. 2SD2075~~		1			
	~~C0-00582000~~	~~XISTOR. 2SD2075A~~	Added:3/'04				
	C0-11138000	XISTOR. 2SD2075A(F)	Changed:9/'05				R
Q4	CBA-0381001	XISTOR. 2SB1202		1			
	C0-02157000	XISTOR. 2SB1202	Added:3/'04				
	C0-07889000	XISTOR. 2SB1202S/T-E	Added:9/'05				
D1~4	~~CBE-0085001~~	~~Diode AM01Z~~		4			
	~~C0-00011001~~	Diode AM01ZV1	Added:3/'04				
	C0-09544001		Changed:2/'05				R
C1	DAA-100KM01	Electrolytic CAP. UVX1V100MA 10µF		1			
R1,2,4,5,7	~~DBZ-0108001~~	~~Carbon RSTR. RD1/4SSTJ 10K ohm~~		5			
	~~D0-02046001~~	Carbon RSTR. RDM14TS103J 10K ohm	Added:3/'04				R
	D0-20607001		Changed:2/'05				
R3	~~DBC-470JA3E~~	~~Chip RSTR. RSMF2B47 ohmJ~~		1			
	~~D0-06444001~~	MOF RSTR. RSMF2TB470J 47 ohm	Added:3/'04				
	D0-21217001		Changed:2/'05				R
R6	~~24252203102~~	~~Chip RSTR. RSM1FB 1K ohmJ~~		1			
	~~D0-01951001~~	Chip RSTR. RSM1FB 1K ohm JTB	Added:3/'04				
	D0-22607001		Changed:2/'05				
R8	~~DBZ-0034022~~	~~Carbon RSTR. RD1/4SSPJ 220 ohm~~		1			
	~~D0-02072001~~	Carbon RSTR. RDM14TS221J 220 ohm	Added:3/'04				
	D0-20626001		Changed:2/'05				R
~~R9~~	~~DBA-0R0JA2F~~	~~Carbon RSTR. RD1/4SST26J0~~	Deleted:3/'04	~~1~~			

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS

6 CUTTER PC BOARD ASS'Y 2/2

Ref.No.	Part No.	Description	Remarks	*1	*2	*3	*4
CN1	~~EAA-1689001~~	~~CONN. B10B-PH-K-S~~		1			
	~~E0-00400000~~	~~CONN. B10B-PH-K-S~~	Added:3/'04				
	~~E0-06781000~~	~~CONN. B10B-PH-K-S (LF)~~	Changed:2/'05				R
	E0-10032000	CONN. B10B-PH-K-S (LF) (SN)	Changed:12/'06				R
CN2	~~EAA-0617001~~	~~CONN. B4P-VH~~		1			
	~~E0-00297000~~	~~CONN. B4P-VH~~	Added:3/'04				
	~~E0-07477000~~	~~CONN. B4P-VH (LF)~~	Changed:2/'05				R
	E0-10676000	CONN. B4P-VH (LF) (SN)	Changed:12/'06				R
CN3	EAA-0060003	CONN. 5483-02AX		1			
	E0-02738000	CONN. 5483-02AX	Added:3/'04				R
CN4	~~EAA-0141004~~	~~CONN. B2B-PH-K-S~~		1			
	~~E0-00230000~~	~~CONN. B2B-PH-K-S~~	Added:3/'04				
	~~E0-06578000~~	~~CONN. B2B-PH-K-S (LF)~~	Changed:2/'05				R
	E0-09751000	CONN. B2B-PH-K-S (LF) (SN)	Changed:12/'06				R
CN5	EAA-0046002	CONN. 53014-0410		1			
	E0-00616000	CONN. 53014-0410	Added:3/'04				R
CN6	~~EAA-2144001~~	~~CONN. B2P-VH~~		1			
	~~E0-00312000~~	~~CONN. B2P-VH~~	Added:3/'04				
	E0-07475000	CONN. B2P-VH (LF)	Changed:2/'05				R
	E0-10674000	CONN. B2P-VH (LF) (SN)	Changed:12/'06				R
F1	EHA-0103001	Fuse SD6 3A N1 3A		1	D		
	E0-03524000	Fuse SD6-3A N1	Added:3/'04				
	E0-07176000	Fuse 0239 003M	Added:3/'04				
	E0-09193000	Fuse 0239003.MXP	Added:12/'06				R
F2	EHA-0101001	Fuse SD6 1A N1 1A		1	D		
	E0-03521000	Fuse SD6-1A N1	Added:3/'04				
	E0-07173000	Fuse 0239 001M	Added:3/'04				
FH1~4	EHD-0005003	Fuse Holder PFC5000-0202		4			
	E0-05636000	Fuse Holder PFC5000-1902	Added:3/'04				R
J1~7~~,9~~	~~DBA-0R0JA2F~~	~~Carbon RSTR. RD1/4SST26J~~	J9:	~~7~~			
R9		~~0 ohm~~	Added:3/'04	8			
	~~D0-02133001~~	~~Carbon RSTR. RDM14TSR00J~~ ~~0 ohm~~	Added:3/'04 Changed:2/'05				
	D0-20600001	Carbon RSTR. RDM14TS000J 0 ohm	J9 --> R9				R

*1: Q'ty/Unit *2: Recommended Parts *3: Revised Record *4: RoHS