

CG-FX/FXII Series

Mechanical Drawing

Change Tracking

Date	2011.04.28	Manual Ver.	4.00	Remark	
Index	Status	Rev.	Changes		
All	Revised	4.0	New format		
0-1	Added	4.0	Added		
0-2	Added	4.0	Added		
1-1	Revised	4.0	Illustration is changed		
1-2	Revised	4.0	Additional part codes for FXII series : No.2, No.3, No.5, No.6, No.11 No.2,3,6: Name of part is changed No.7,9,18: Name of part is changed, Part codes is changed No.9: Quantity used is changed No.21: Remarks is changed No.26~29: Added		
2-1	Revised	4.0	Delete R mark for No.1		
2-2	Revised	4.0	Additional part codes for FXII series : No.1, No.2, No.5, No.7, No.12 Delete R mark for No.1, No.7		
3-2	Revised	4.0	No.6,30,38: Name of part is changed, Part codes is changed		
4-1	Revised	4.0	Delete R mark for No.19		
4-2	Revised	4.0	Delete R mark for No.19 No.3,4,5,11,32,33: Name of part is changed, Part codes is changed No.8,16: Rank is deleted		
5-2	Revised	4.0	No.2,9: Name of oart is changed, Part codes is changed		
6-1	Revised	4.0	Delete R mark for No.1, No.2, No.28, No.31		
6-2	Revised	4.0	Additional SPC number for No.1, No.2 No.8,19: Name of part is changed Additional part codes for FXII series : No.15, No.27, No.30 Delete R mark for No.1, No.2, No.28, No.31 No.20,22,23,40: Part codes is changed No.10,17,26,:Name of part is changed, Part codes is changed No.40: Recommend is deleted		
7-1	Revised	4.0	Delete R mark for No.15, No.19 Addition : No.25		
7-2	Revised	4.0	Delete R mark for No.15, No.19 Addition :No.25 No.14: Name of part is changed		
8-1	Revised	4.0	Delete R mark for No.15, No.19 Addition :No.25		
8-2	Revised	4.0	Delete R mark for No.15, No.19 Addition :No.23, No.24, No.25 No.7,9,10,14: Part codes is changed		
9-1	Revised	4.0	Delete R mark for No.15, No.19 Addition : No.25		
9-2	Revised	4.0	Delete R mark for No.15, No.19 Addition :No.23, No.24, No.25 No.7,9,10,14: Part codes is changed		
10-1	Revised	4.0	Delete R mark for No.1, No.3 Addition : No.29		
10-2	Revised	4.0	Delete R mark for No.1, No.3 Addition : No.29 No.8,11,20,25: Name of part is changed, Part codes is changed		
11-1	Revised	4.0	Change Clamp assy. ---> Clamp assy. (75/130FX/FXII)		
11-2	Revised	4.0	Additional part codes for FXII series : No.5 No.8,24: Name of part is changed		
12-1	Revised	4.0	Additional Clamp assy. (160FX/FXII)		

Change Tracking

Date	2011.04.28	Manual Ver.	4.00	Remark	
Index	Status	Rev.	Changes		
12-2	Revised	4.0	Additional part codes for FXII series No.5: Name of part is changed No.8,24,37,38: Name of part is changed, Part codes is changed		
13-2	Revised	4.0	Additional part codes for FXII series : No.1, No.2, No.5, No.7, No.12 No.4,6: Name of part is changed, Part codes is changed		
15-1	Revised	4.0	Addition : No.17, No.18		
15-2	Revised	4.0	Addition : No.17, No.18		

Date	2003.05.22	Manual Ver.	3.20	Remark	
Index	Status	Rev.	Changes		
1-2	Revised		Change Part codes : No.7, No.18, No.20 Change Quality used and Remarks : No9		
3-2	Revised		Change Part codes : No.32		
4-2	Revised		Change Part codes : No.4, No.8, No.11, No.16, No.21		
5-2	Revised		Change Part codes : No.9		
6-2	Revised		Change Part codes : No.10, No.17, No.20, No.22, No.23, No.26, No.30, No.31, No.40		
7-2	Revised		Change Part codes : No.9		
8-2	Revised		Change Part codes : No.15		
9-2	Revised		Change Part codes : No.15		
10-2	Revised		Change Part codes : No.1		
11-2	Revised		Change Part codes : No.8, No.11		
12-1	Revised		Change the Illustration.		
12-2	Revised		Change Part codes : No.2, No.7, No.8 Delete Part codes : No.2 Change Part codes, Name of part and Quality used : No.4 Change Part codes and Quality used : No.6 Addition : No.10		

Date	2003.06.20	Manual Ver.	1.00	Remark	
Status	Index	Rev.	Changes		
Released			New issued		

Change Tracking

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	
Mechanical Drawing Contents							4.0

0. RECOMMENDED PARTS LIST

1. K/B, Y-Bar ASSY.
2. Cover ASSY.
3. Pen ASSY.
4. Mark, Cutter ASSY.
5. Slider ASSY.
6. Frame ASSY.
7. X-drive ASSY.(75FX/75FXII)
8. X-drive ASSY.(130FX/130FXII)
9. X-drive ASSY.(160FX/160FXII)
10. Y-drive ASSY.
11. Clamp ASSY.(75/130/FX/FXII)
12. Clamp ASSY.(160/FX/FXII)
13. Main PCB ASSY.
14. Stand ASSY.
15. Roll ASSY.

Differences between CG-FX and CG-FXII

No.	Name of part	CG-FX			CG-FXII			Differences
		75	130	160	75	130	160	
1	Right side cover	M601259	M601259	M601259	M602251	M602251	M602251	Differ in form and color
2	Left side cover	M601260	M601260	M601260	M602252	M602252	M602252	Differ in form and color
3	Y cover	M504762	M504669	M505280	M509829	M509828	M509830	Differ in color
4	Keyboard case	M601273	M601273	M601273	M602260	M602260	M602260	Differ in color
5	Lever grip	M601262	M601262	M601262	M602259	M602259	M602259	Differ in color
6	Right side plate	M504644	M504644	M504644	M509815	M509815	M509815	Differ in form
7	Left side plate	M504645	M504645	M504645	M509816	M509816	M509816	Differ in form
8	Inlet BR	M507311	M507311	M507311	M509821	M509821	M509821	Differ in form
9	Interface BR	M507312	M507312	M507312	M509822	M509822	M509822	Differ in form
10	Keyboard sheet	M903324	M903324	M903324	M905601	M905601	M905601	Differ in design
11	Model label	M903453	M903350	M903778	M905596	M905593	M905599	Differ in design
12	Mimaki label	-	-	-	M905622	M905622	M905622	Differ in design
13	Key top	M601293	M601293	M601293	M905622	M905622	M905622	Differ in color

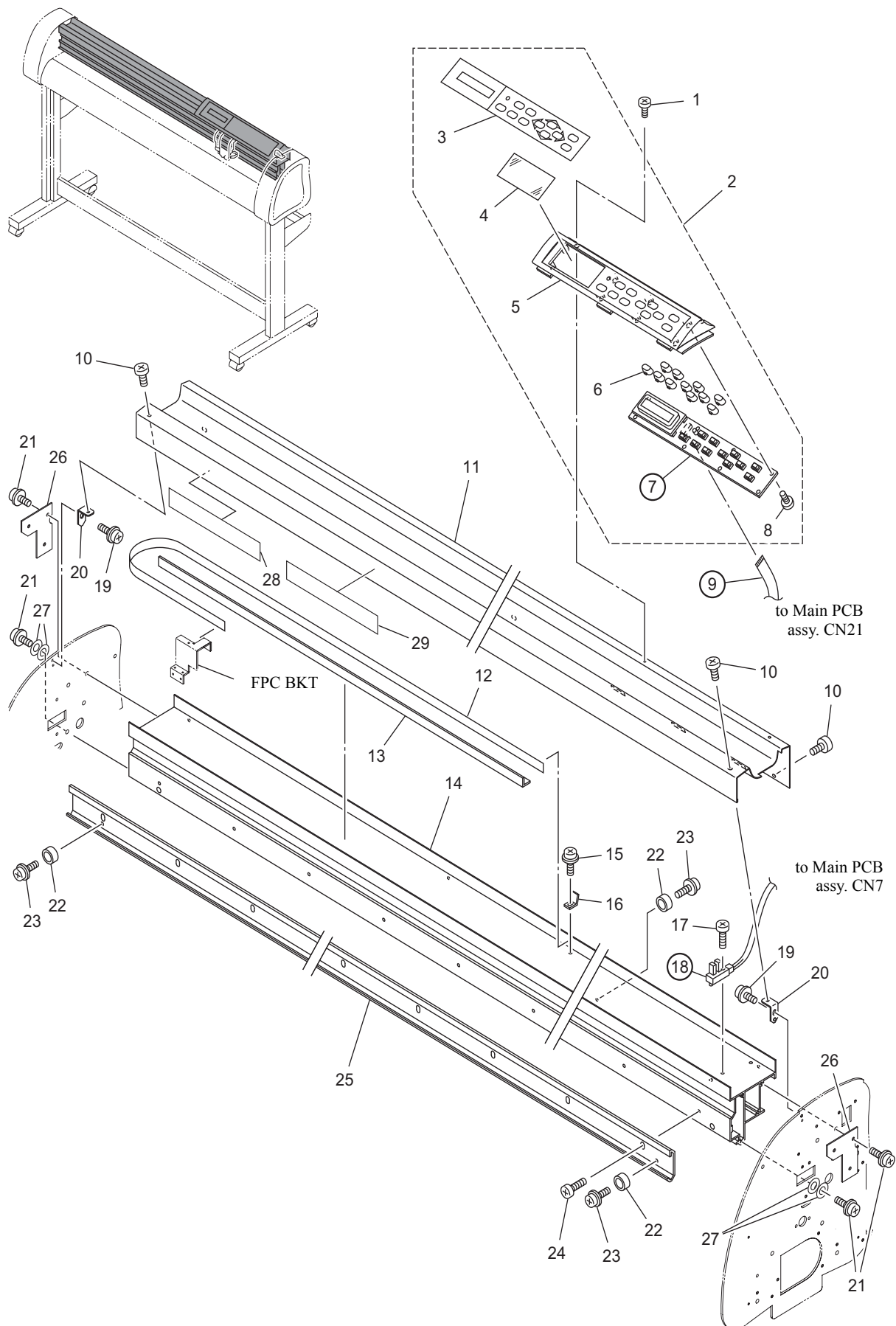
Mechanical Drawing						Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark
0. RECOMMENDED PARTS LIST						1.0

No.	Rank	Parts codes	Name of part	Devision	Remarks	Changed
1	B	MP-100 S 2 M 230 UG	Notched synchro belt			C
2	B	MP-129TN15-10	NOTCHED SYNCHRO BELT			C
3	B	MP-E102491	MARK CABLE ASSY			C
4	B	MP-E102500	PEN FPC ASSY			C
5	B	MP-E102501	MARK FPC CABLE ASSY			C
6	B	MP-E102502	KEY FPC ASSY		*1	C
7	B	MP-E102631	PEN FPC 75 ASSY			C
8	B	MP-E102632	MARK FPC CABLE 75 ASSY			C
9	B	MP-E102880	PEN FPC 160 ASSY			C
10	B	MP-E102881	MARK FPC CABLE 160 ASSY			C
11	B	MP-E103677	MAIN PCB ASSY,CG-FX RoHS			C
12	B		Main PCB assy.		*2	
13	B	MP-E103678	MARK PCB H ASSY (ROHS)			C
14	B	MP-E103679	MARK PCB MF ASSY" CG-FX , RoHs"			C
15	B		Sub PCB MF assy.		*2	
16	B	MP-E103943	ORIGIN SENSOR ASSY			C
17	B	MP-E104057	KEY PCB ASSY			C
18	B	MP-E104063	Fan 1 assy.			C
19	B	MP-E104064	Fan 2 assy.			C
20	B	MP-E104065	Fan 3 assy.			C
21	B	MP-E104066	FAN 4 assy			C
22	B	MP-E104436	CLAMP SENSOR TOTAL ASSY			C
23	B	MP-E104437	HOME SENSOR TOTAL ASSY			C
24	B	MP-E104438	F PAPER SENSOR TOTAL ASSY			C
25	B	MP-E104439	R PAPER SENSOR TOTAL ASSY			C
26	B	MP-E300445	POWER SUPPLY UNIT			C
27	B	MP-E300463	Solenoid assy.			C
28	B	MP-M005143	T PULLEY 15 ASSY			C
29	B	MP-M005197	Y PULLEY 15 ASSY			C
30	B	MP-M005259	AUTO CUTTER ASSY			C
31	B	MP-M005269	PEN ASSY			C
32	B	MP-M005274	LIGHT PIONTER			C
33	B	MP-M005287	MARK ASSY			C
34	B	MP-M006501	CLAMP TOTAL ASSY R 130FX			C
35	B	MP-M006502	CLAMP TOTAL ASSY L 130FX			C
36	B	MP-M006503	16 CLAMP TOTAL ASSY R			C
37	B	MP-M006504	16 CLAMP TOTAL ASSY L			C
38	B	MP-M007941	X motor 75/130 Assy			C
39	B	MP-M007942	X motor 160 Assy			C
40	B	MP-M007943	Y motor assy.			C
41	B	MP-M200047	GR25			C
42	B	MP-M200048	GR160			C
43	B	MP-M200099	GR45			C
44	B	MP-M800437	PULLEY BRG			C
45	B	MP-M800663	TOOTHED BELT 130			C
46	B	MP-M800673	TOOTHED BELT 75			C
47	B	MP-M800709	TOOTHED BELT 160			C

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	2011.01.21	F/W ver	Remark
0. RECOMMENDED PARTS LIST							1.0

No.	Rank	Parts codes	Name of part	Devision	Remarks	Changed
48	B	MP-YEG-025	PINCH ROLLER			C

- *1 After Rev.3
 *2 “Main PCB assy.” or “Sub PCB assy.” for the CG-160FX Rev.2 or before is incompatible.
 When replacing either of them, replace all the following three set items. Main PCB assy. (E103677), Mark PCB M assy. (E103679), and Interface BR (M507312).

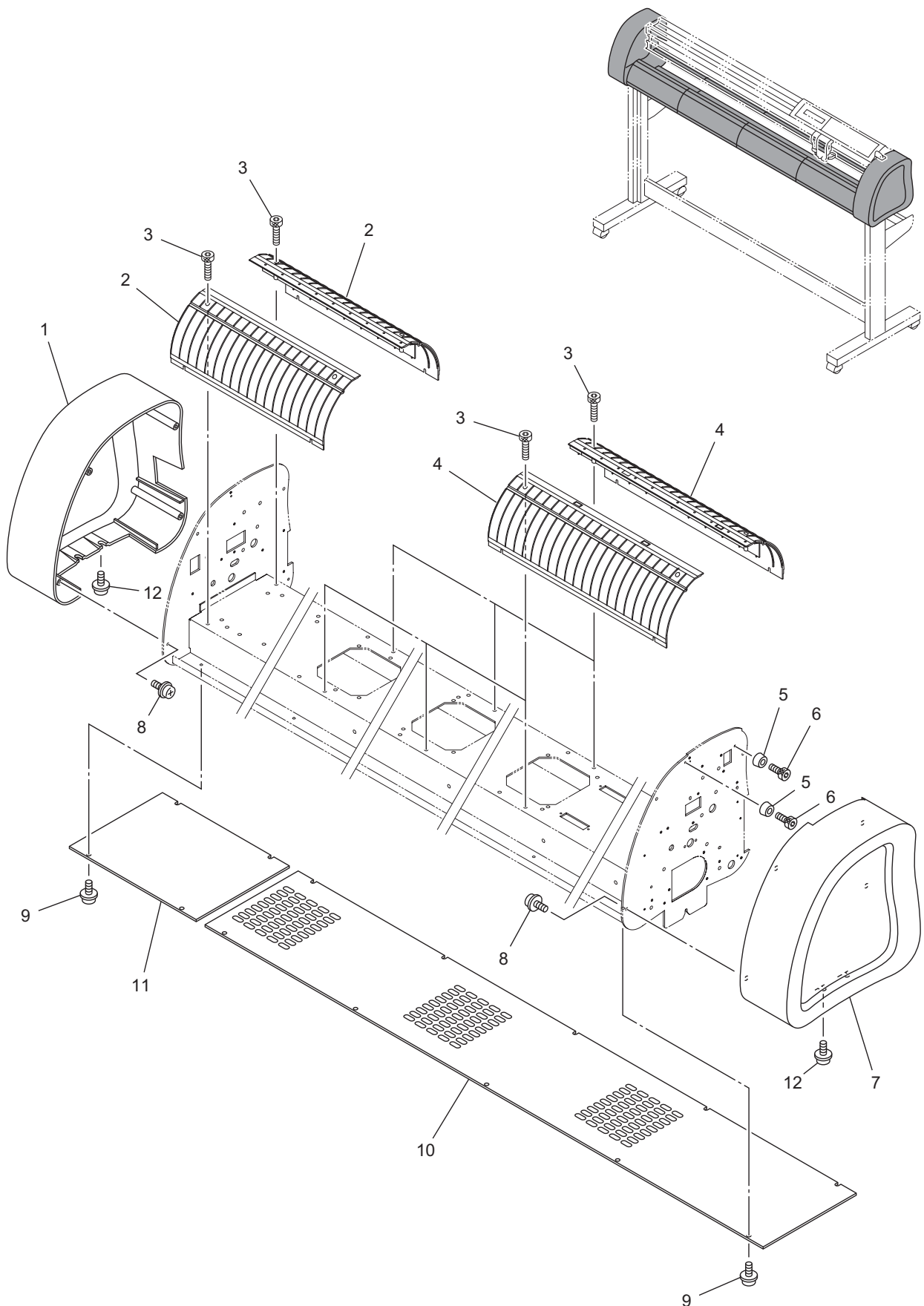
1. K/B, Y-BAR ASSY.**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
1. K/B, Y-BAR ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used						Com-mon Model	P*1	M* ₂
					CG-FX			CG-FXII					
					75	130	160	75	130	160			
1			Screw	B3 x 6 Ni	2	<--	<--	2	<--	<--			
2		M005272	Keyboard assy. CG-FX		1	<--	<--	0	0	0			C
		M007884	Keyboard assy. 2		0	0	0	1	<--	<--			A
3		M903324	Keyboard sheet CG-FX		1	<--	<--	0	0	0			C
		M905601	Keyboard sheet 2		0	0	0	1	<--	<--			A
4		M600520	LCD window		1	<--	<--	1	<--	<--			
5		M601273	Keyboard case		1	<--	<--	0	0	0			
		M602260	Keyboard case 2(DIC454)		0	0	0	1	<--	<--			A
6		M601293	Key top (black)		11	<--	<--	0	0	0			C
		M602279	Key top 2(DIC454)		0	0	0	11	<--	<--			A
7	B	MP-E104057	KEY PCB ASSY		1	<--	<--	1	<--	<--			
8			Screw	TP-DZZSP 29004	8	<--	<--	8	<--	<--			
9	B	MP-E102502	KEY FPC ASSY	*1: After Rev.3	1	<--	<--	1	<--	<--			C
		E102882	Key FPC 160 assy.	*2: After Rev.2	0	0	1	0	0	0			C
10			Screw	B3 x 6 Ni	6	<--	<--	6	<--	<--			
11		M504762	Y cover 75		1	0	0	0	0	0			
		M509829	Y cover 75-2		0	0	0	1	0	0			A
		M504669	Y cover 130		0	1	0	0	0	0			
		M509828	Y cover 130-2		0	0	0	0	1	0			A
		M505280	Y cover 160		0	0	1	0	0	0			
		M509830	Y cover 160-2		0	0	0	0	0	1			A
12		M800675	FPC guide 75		2	0	0	2	0	0			
		M800510	FPC guide		0	2	0	0	2	0			
		M800711	FPC guide 160		0	0	2	0	0	2			
13		M800674	FPC angle 75		1	0	0	1	0	0			
		M800414	FPC angle 130		0	1	0	0	1	0			
		M800710	FPC angle 160		0	0	1	0	0	1			
14		M300833	Y bar 75		1	0	0	1	0	0			
		M300827	Y bar 130		0	1	0	0	1	0			
		M300876	Y bar 160		0	0	1	0	0	1			
15			Screw	P3 x 6SMW	2	3	4	2	3	4			
16		M601318	FPC holder		2	3	4	2	3	4			
17			Screw	B4 x 12	1	<--	<--	1	<--	<--			
18	B	MP-E104059	HOME SENSOR TOTAL ASSY		1	<--	<--	1	<--	<--			C
19			Screw	P4 x 6SMW	2	<--	<--	2	<--	<--			
20		M507332	SL stay		2	<--	<--	2	<--	<--			
21			Screw	P4 x 15SMW	8	<--	<--	8	<--	<--			C
22		M601311	Stopper		3	<--	<--	3	<--	<--			
23			Screw	P3 x 8SMW Black	3	<--	<--	3	<--	<--			
24			Screw	B4 x 12 Black	8	11	13	8	11	13			
25		M300834	Y guide 75		1	0	0	1	0	0			
		M300828	Y guide 130		0	1	0	0	1	0			
		M300877	Y guide 160		0	0	1	0	0	1			
26		M505829	Y fix support plate		2	<--	<--	2	<--	<--			A
27			Washer		4	<--	<--	4	<--	<--			A
28		M903453	Model label 75FX		1	0	0	1	0	0			A
		M903350	Model label 130FX		0	1	0	0	0	0			+
		M903778	Model label 160FX		0	0	1	0	0	0			+
		M505596	Model label 75FX2		0	0	0	1	0	0			+
		M505593	Model label 130FX2		0	0	0	0	1	0			+
		M905599	Model label 160FX2		0	0	0	0	0	1			+
29			Mimaki label		-	-	-	1	1	1			A

*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

2. COVER ASSY.

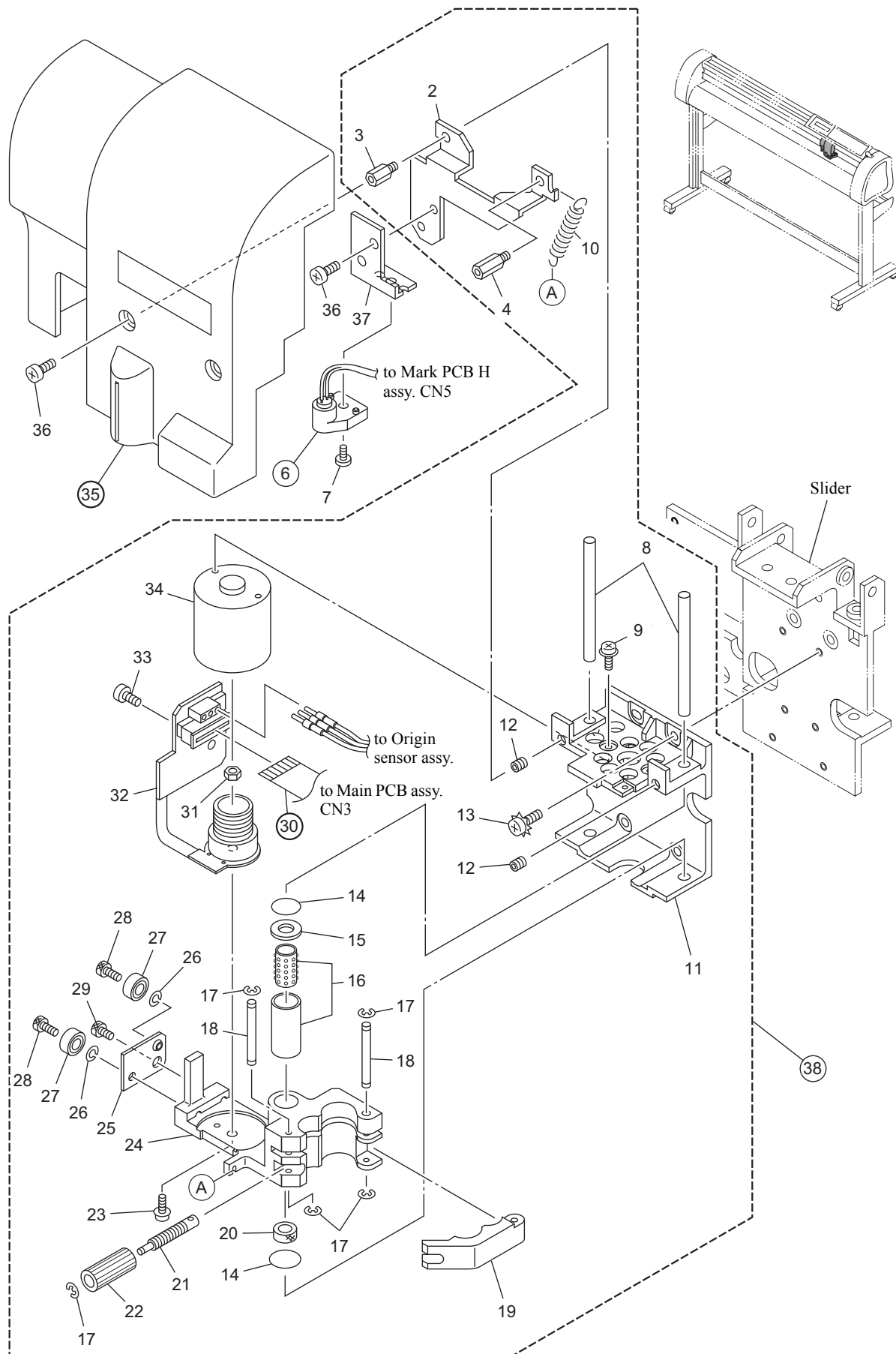


Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
2. COVER ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used						Com-mon Model	P*1	M ₂ *
					CG-FX			CG-FXII					
					75	130	160	75	130	160			
1		M601260	Left side cover	Differ in form FX/FXII	1	<--	<--	0	0	0			C
		M602252	Left side cover	Differ in form FX/FXII	0	0	0	1	<--	<--			A
2		M601289	Platen cover S		6	2	6	0	0	0			
3			Hexagon socket head cap screw	CS3 x 35 Black	12	16	20	12	16	20			
4		M601250	Platen cover L		0	6	4	0	6	4			
5			Rubber foot	TK18	2	<--	<--	2	<--	<--			
6			Hexagon socket head cap screw	CS4 x 8 Black	2	<--	<--	2	<--	<--			
7		M601259	Right side cover	Differ in form FX/FXII*1	1	<--	<--	0	0	0			C
		M602251	Right side cover	Differ in form FX/FXII	0	0	0	1	<--	<--			A
8			Screw	B3 x 8 Black	8	<--	<--	8	<--	<--			
9			Screw	P3 x 6SMW	12	14	20	12	14	20			
10		M504776	Partition plate 75		1	0	0	1	0	0			
11		M504668	Partition plate 130		0	1	0	0	1	0			
12		M505281	Partition plate 160		0	0	2	0	0	2			
13		M504671	Partition plate 130 (2)		1	<--	<--	1	<--	<--			
14			Screw	P3 x 8SMW Black	4	<--	<--	0	0	0			
			Screw	P3 x 20SMW Black	0	0	0	4	<--	<--			A
15													
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*1. Make sure to replace the Interface BR (M504651) simultaneously for the models before Rev.1 (CG-75FX and CG-130FX)

*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

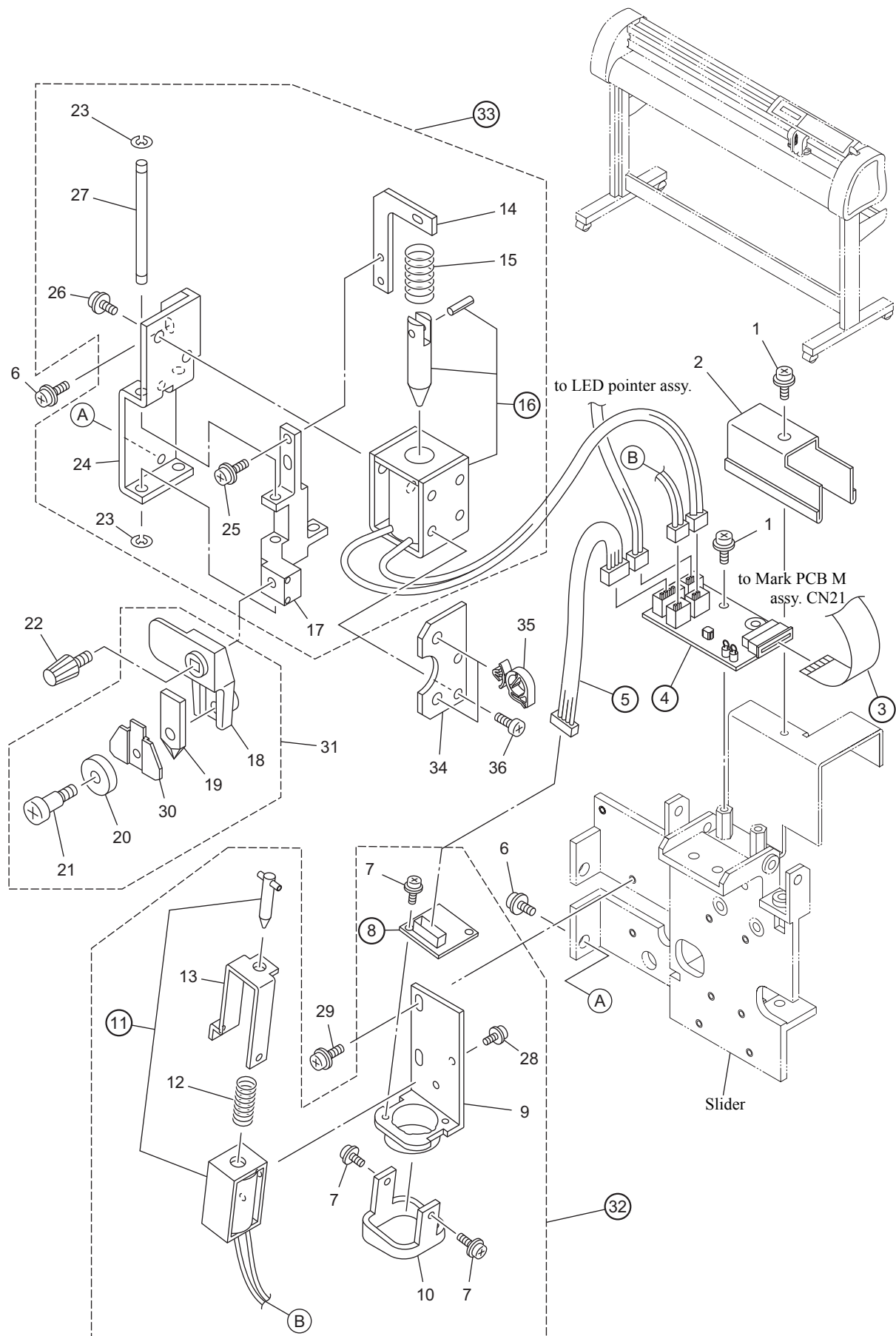
3. PEN ASSY.

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
3. PEN ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com-mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1			Not used.							
2		M504660	Pointer BKT		1	<--	<--			
3			Spacer	BSF-306	1	<--	<--			
4			Spacer	BSF-310	1	<--	<--			
5			Not used.							
6	B	MP-M005274	LIGHT PIONTER		1	<--	<--			C
7			Screw	B3 x 6	1	<--	<--			
8			Pen shaft	SF450 AM3	2	<--	<--			
9			Screw	P2 x 4 w/Flange	2	<--	<--			
10		M800053	Pen SP		1	<--	<--			
11		M400237	Yoke BKT		1	<--	<--			
12			Hexagon socket setscrew	SSWP3 x 3	2	<--	<--			
13			Screw	P3 x 8TW	4	<--	<--			
14			O-ring	S-4	2	<--	<--			
15			Slider washer	t = 0.25	1	<--	<--			
16			Bearing	STSI430-20-50E56	1	<--	<--			
17			E-ring	E-1.5	5	<--	<--			
18		M200111	Lever pin		2	<--	<--			
19		M400174	Holder lever		1	<--	<--			
20		814065	Press-in ring		1	<--	<--			
21		M201083	Holder setting shaft		1	<--	<--			
22		M201082	Holder nut		1	<--	<--			
23			Screw	P3 x 8SMW Ni Brass	1	<--	<--			
24		M400236	Actuator		1	<--	<--			
25		M504649	BRG Adjustment plate		1	<--	<--			
26			Spring washer	SW-3	2	<--	<--			
27			Bearing	693ZZ	2	<--	<--			
28			Hexagon socket head cap screw	CS3 x 10	2	<--	<--			
29			Hexagon socket head cap screw	CS3 x 6	1	<--	<--			
30	B	MP-E102631	PEN FPC 75 ASSY		1	0	0			C
	B	MP-E102500	PEN FPC ASSY		0	1	0			C
	B	MP-E102880	PEN FPC 160 ASSY		0	0	1			C
31			Nut	N3 Ni Brass	1	<--	<--			
32		E104069	Pen flexible PCB assy.		1	<--	<--			
33			Screw	B3 x 6 Black	1	<--	<--			
34		M005181	Voice coil assy.		1	<--	<--			
35		M601263	Head cover		1	<--	<--			
36			Screw	B3 x 6 Black	3	<--	<--			
37		M504740	LED BKT		1	<--	<--			
38	B	MP-M005269	PEN ASSY		1	<--	<--			C
39										
40										
41										
42										
43										

*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

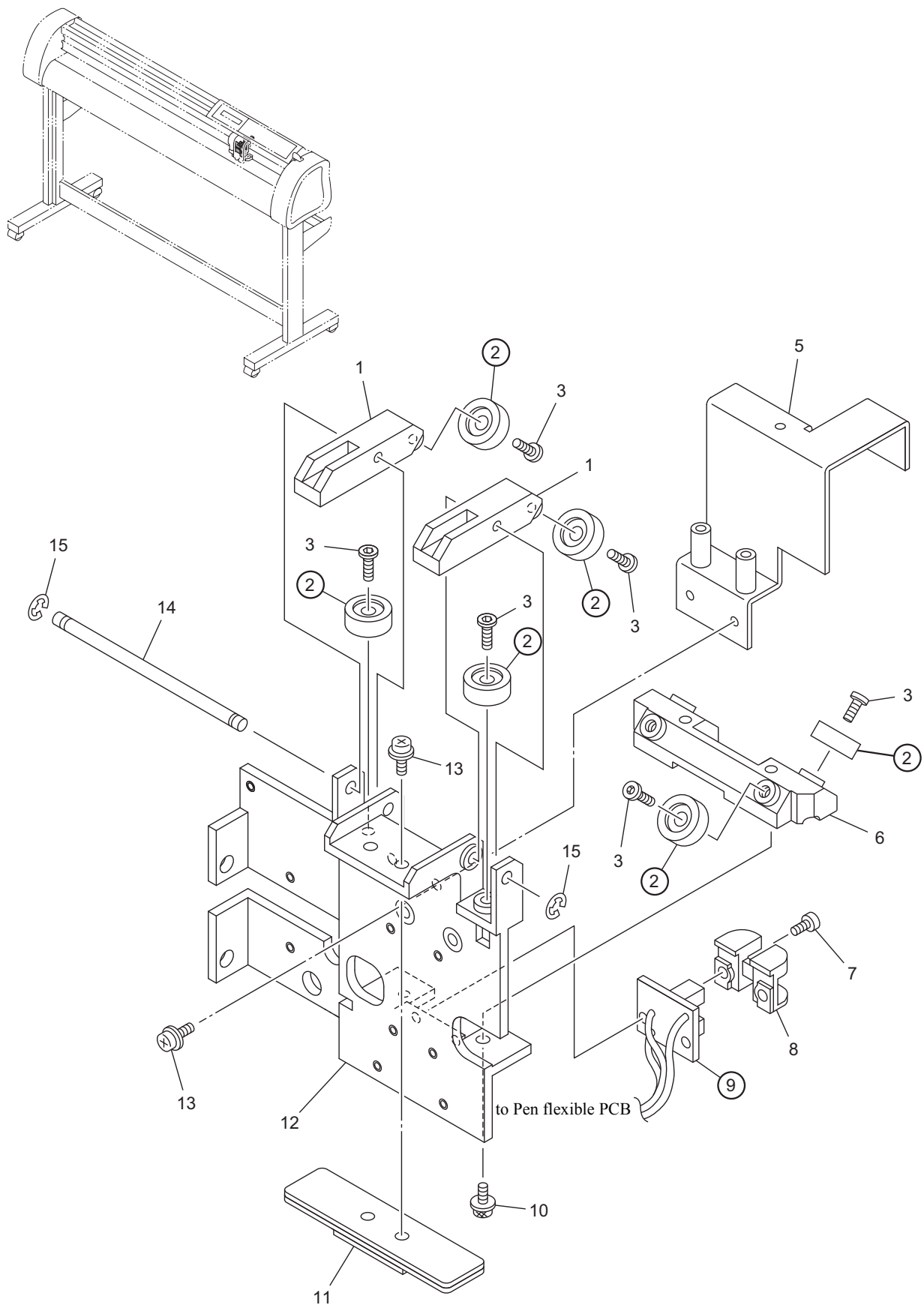
4. MARK, CUTTER ASSY.



Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark	
4. MARK, CUTTER ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com-mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1			Screw	P3 x 6SMW	3	<--	<--			
2		M504658	FPC holder		1	<--	<--			
3	B	MP-E102632	MARK FPC CABLE 75 ASSY		1	0	0			C
	B	MP-E102501	MARK FPC CABLE ASSY		0	1	0			C
	B	MP-E102881	MARK FPC CABLE 160 ASSY		0	0	1			C
4	B	MP-E103678	MARK PCB H ASSY (ROHS)		1	<--	<--			C
5	B	MP-E102491	MARK CABLE ASSY		1	<--	<--			C
6			Screw	P3 x 8SMW	3	<--	<--			
7			Screw	P2 x 4 w/Flange	4	<--	<--			
8		E103942	Mark sensor PCB assy.		1	<--	<--			C
9		M400243	Mark base		1	<--	<--			
10		M601298	SOLENOID ASSY		1	<--	<--			C
11	B	MP-E300463	Solenoid assy.		1	<--	<--			C
12		M800621	Mark SP		1	<--	<--			
13		M504659	Connecting plate T		1	<--	<--			
14		M504676	Connecting plate C		1	<--	<--			
15		M800665	Cutter SP 2		1	<--	<--			
16		E104068	Cutter solenoid assy.		1	<--	<--			C
17		M601290	Cutter holder		1	<--	<--			
18		M601086	Cutter blade holder		1	<--	<--			
19		M201535	Cutter blade L		1	<--	<--			C
20		M601085	Cutter roller		1	<--	<--			
21		M400281	Cutter screw		1	<--	<--			
22			Screw	M3 x 8	1	<--	<--			
23			E-ring	E-2	2	<--	<--			
24		M504675	Cutter BKT		1	<--	<--			
25			Screw	P3 x 8SMW	2	<--	<--			
26			Screw	P3 x 6SMW	2	<--	<--			
27		M203985	Guide pin		2	<--	<--			
28			Screw	P2 x 4SMW	2	<--	<--			
29			Screw	B3 x 6	2	<--	<--			
30		M504736	Cutter guard		1	<--	<--			
31			Sheet cutter blade	SPA-0119	1	<--	<--			
32	B	M005287	MARK ASSY		1	<--	<--			C
33	B	M005259	AUTO CUTTER ASSY		1	<--	<--			C
34		M504781	Cable BKT		1	1	<--			
35			Cable clamp	ES-6U	2	2	<--			
36			Screw	B3 x 5	2	2	<--			
37										
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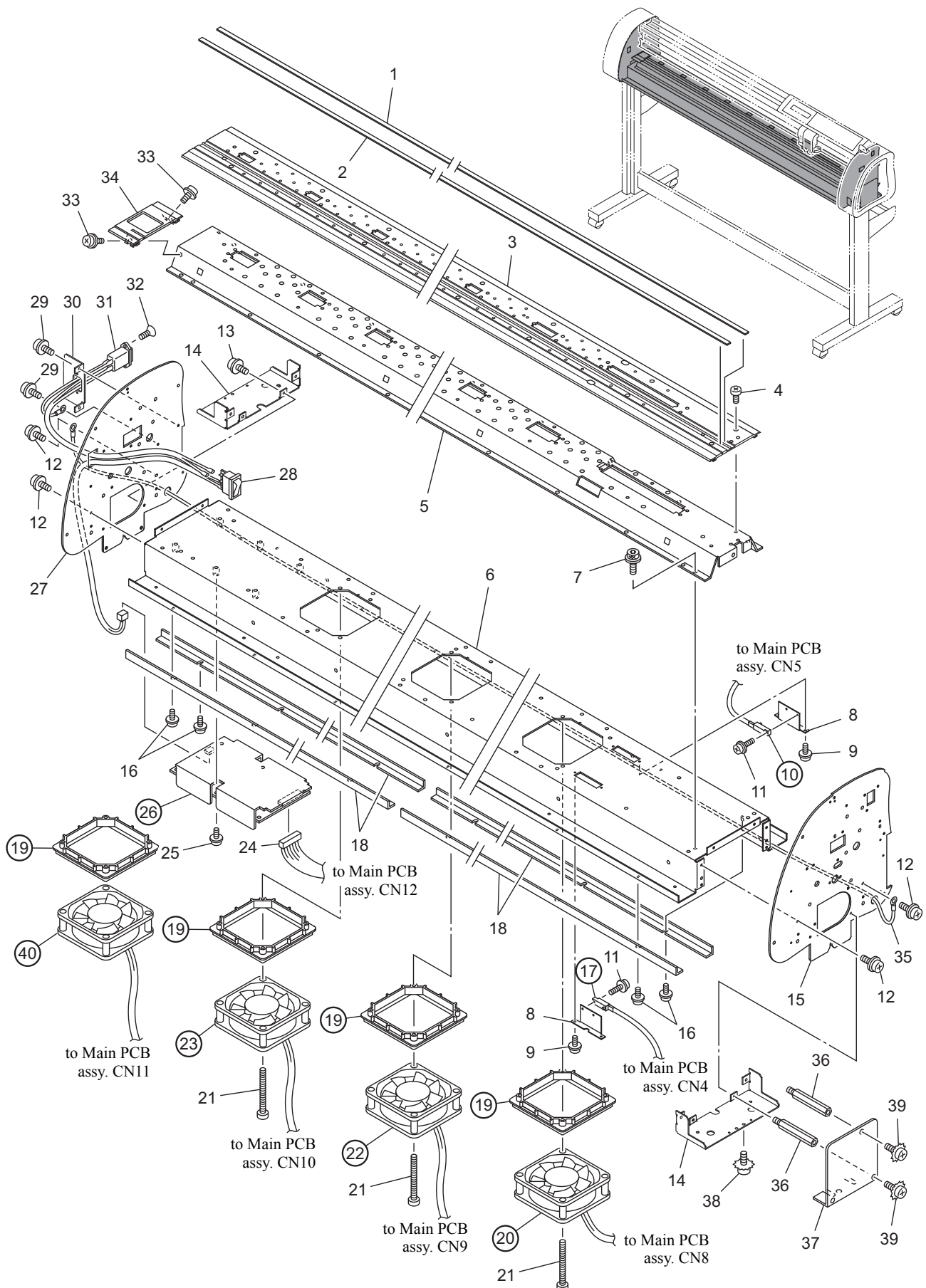
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

5. SLIDER ASSY.**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark	
5. SLIDER ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com- mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1		M400176	BRG base U		2	<--	<--			
2	B	MP-M800437	PULLEY BRG		8	<--	<--			C
3			Low head screw	M4 x 10	8	<--	<--			
4		Not used.								
5		M504657	FPC BKT		1	<--	<--			
6		M400241	BRG base L		1	<--	<--			
7			Screw	B3 x 8	2	<--	<--			
8		M600919	Sensor cover		1	<--	<--			
9	B	MP-E103943	ORIGIN SENSOR ASSY		1	<--	<--			C
10			Hexagon socket head cap screw	CS3 x 10SMW	2	<--	<--			
11		M504641	Slider SP		1	<--	<--			
12		M400240	Slider		1	<--	<--			
13			Screw	P3 x 8SMW	4	<--	<--			
14		M203981	Fulcrum pin		1	<--	<--			
15			E-ring	E-2	2	<--	<--			
16										
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

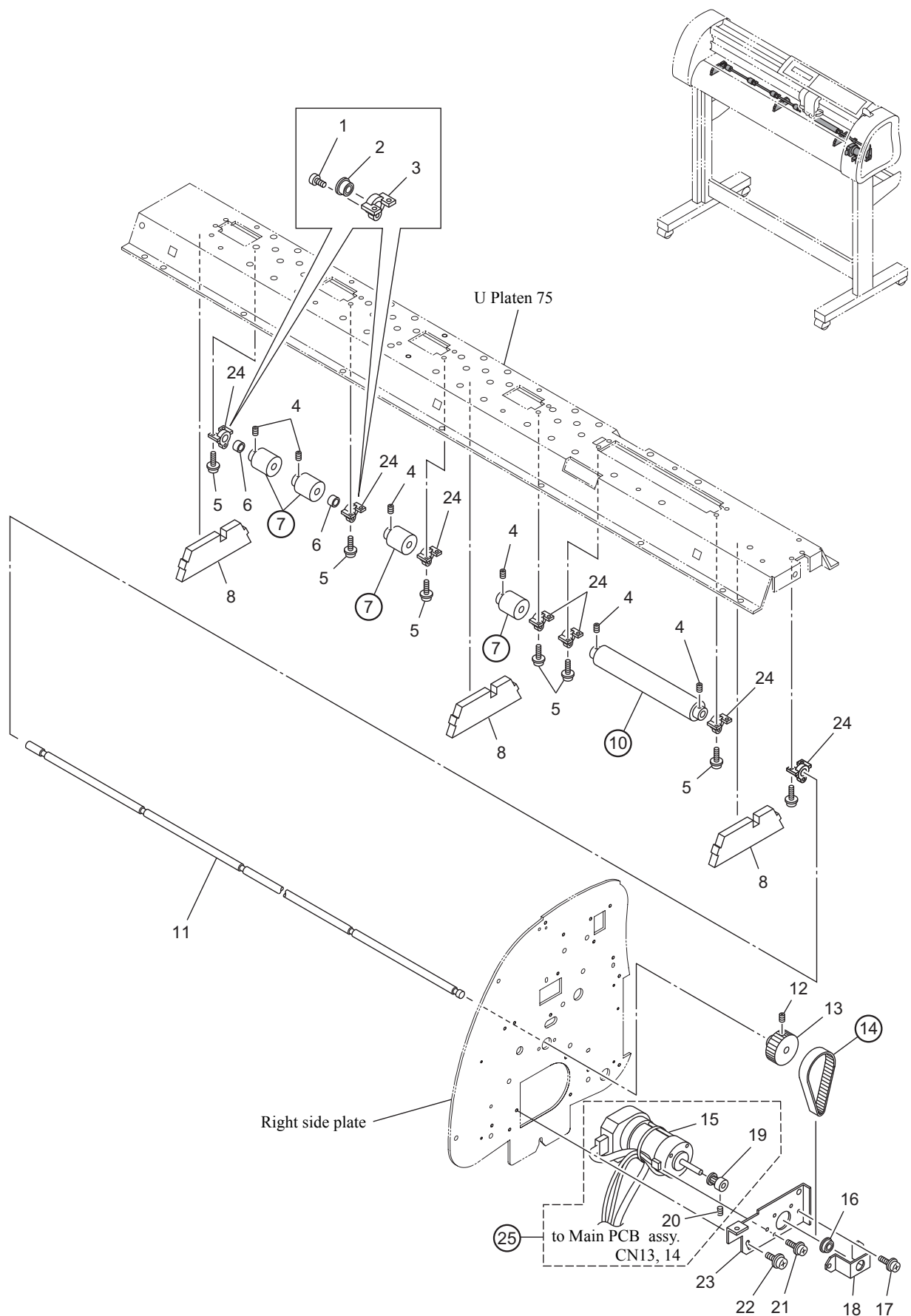
6. FRAME ASSY.**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
6. FRAME ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used						Com-mon Model	P*1	M* 2
					CG-FX			CG-FXII					
					75	130	160	75	130	160			
1		M700347	Pen line rubber 75	SPC-0385	1	0	0	1	0	0			C
		M700341	Pen line rubber 130	SPC-0353	0	1	0	0	1	0			C
		M700373	Pen line rubber 130	SPC-0381	0	0	1	0	0	1			C
2		M700348	Pen line sponge 75	SPC-0359	1	0	0	1	0	0			C
		M700342	Pen line sponge 130	SPC-0354	0	1	0	0	1	0			C
		M700374	Pen line sponge 160	SPC-0382	0	0	1	0	0	1			C
3		M300835	Platen 75		1	0	0	1	0	0			
		M300826	Platen 130		0	1	0	0	1	0			
		M300875	Platen 160		0	0	1	0	0	1			
4			Screw	B3 x 6 Ni	12	18	20	12	18	20			
5		M504763	U Platen 75		1	0	0	1	0	0			
		M504667	U Platen 130		0	1	0	0	1	0			
		M505277	U Platen 160		0	0	1	0	0	1			
6		M504774	Base plate 75		1	0	0	1	0	0			
		M504662	Base plate 130		0	1	0	0	1	0			
		M505276	Base plate 160		0	0	1	0	0	1			
7			Bolt	M4 x 8SMW	14	20	20	14	20	20			
8		M504642	F Sensor BKT		2	<--	<--	2	<--	<--			C
9			Screw	P3 x 6SMW	4	<--	<--	4	<--	<--			
10	B	MP-E104439	R PAPER SENSOR TOTAL ASSY		1	<--	<--	1	<--	<--			C
11			Screw	P3 x 12SMW	2	<--	<--	2	<--	<--			
12			Screw	P4 x 10SMW	12	<--	<--	12	<--	<--			
13			Screw	P4 x 8SMW	6	8	<--	6	8	<--			
14		M504647	Auxiliary plate		2	<--	<--	2	<--	<--			
15		M504644	Right side plate	Differ in form FX/FXII	1	<--	<--	0	0	0			
		M509815	Right side plate 2	Differ in form FX/FXII	0	0	0	1	<--	<--			A
16			Screw	P3 x 8SMW	12	16	20	12	16	20			
17	B	MP-E104438	F PAPER SENSOR TOTAL ASSY		1	<--	<--	1	<--	<--			C
18		M504777	P cover support plate 75		2	0	0	2	0	0			
		M504673	P cover support plate		0	4	0	0	4	0			
		M505282	P cover support plate 160		0	0	4	0	0	4			
19		M600749	F/M base		2	3	4	2	3	4			
20	B	MP-E104063	Fan 1 assy.		1	<--	<--	1	<--	<--			C
21			Screw	B4 x 60	4	6	8	4	6	8			
22	B	MP-E104064	Fan 2 assy.		1	<--	<--	1	<--	<--			C
23	B	MP-E104065	Fan 3 assy.		0	1	1	0	1	1			C
24		E102630	DC cable 75 assy.		1	0	0	1	0	0			
		E102493	DC cable assy.		0	1	0	0	1	0			
		E102879	DC cable 160 assy.		0	0	1	0	0	1			
25			Screw	P3 x 8SMW	6	<--	<--	6	<--	<--			
26	B	MP-E300445	POWER SUPPLY UNIT		1	<--	<--	1	<--	<--			C
27		M504645	Left side cover	Differ in form FX/FXII	1	<--	<--	0	0	0			
		M509816	Left side cover 2	Differ in form FX/FXII	0	0	0	1	<--	<--			A
28		E102498	Power switch assy.		1	<--	<--	1	<--	<--			C
29			Screw	P4 x 8SMW	3	<--	<--	3	<--	<--			
30		M507311	Inlet BR		1	<--	<--	0	0	0			
		M509821	Inlet BR 2		0	0	0	1	<--	<--			A
31		E104067	Inlet assy.		1	<--	<--	1	<--	<--			C
32			Screw	F3 x 8 Black	2	<--	<--	2	<--	<--			
33			Screw	P3 x 8SMW	2	<--	<--	2	<--	<--			
34		M601321	S platen		1	<--	<--	1	<--	<--			
35		E102633	FG cable 75 assy.		1	0	0	1	0	0			
		E102509	FG cable assy.		0	1	0	0	1	0			
		E102883	FG cable 160 assy.		0	0	1	0	0	1			
36			Spacer	BSF-480	2	0	2	2	0	2			
37		M504846	FG plate		1	0	1	1	0	1			
38			Screw	P3 x 8TW	1	0	1	1	0	1			
39			Screw	P4 x 10TW	3	0	3	3	0	3			
40	B	MP-E104066	FAN 4 assy		0	0	1	0	0	1			C

*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

7. X-DRIVE ASSY.(75FX/75FXII)

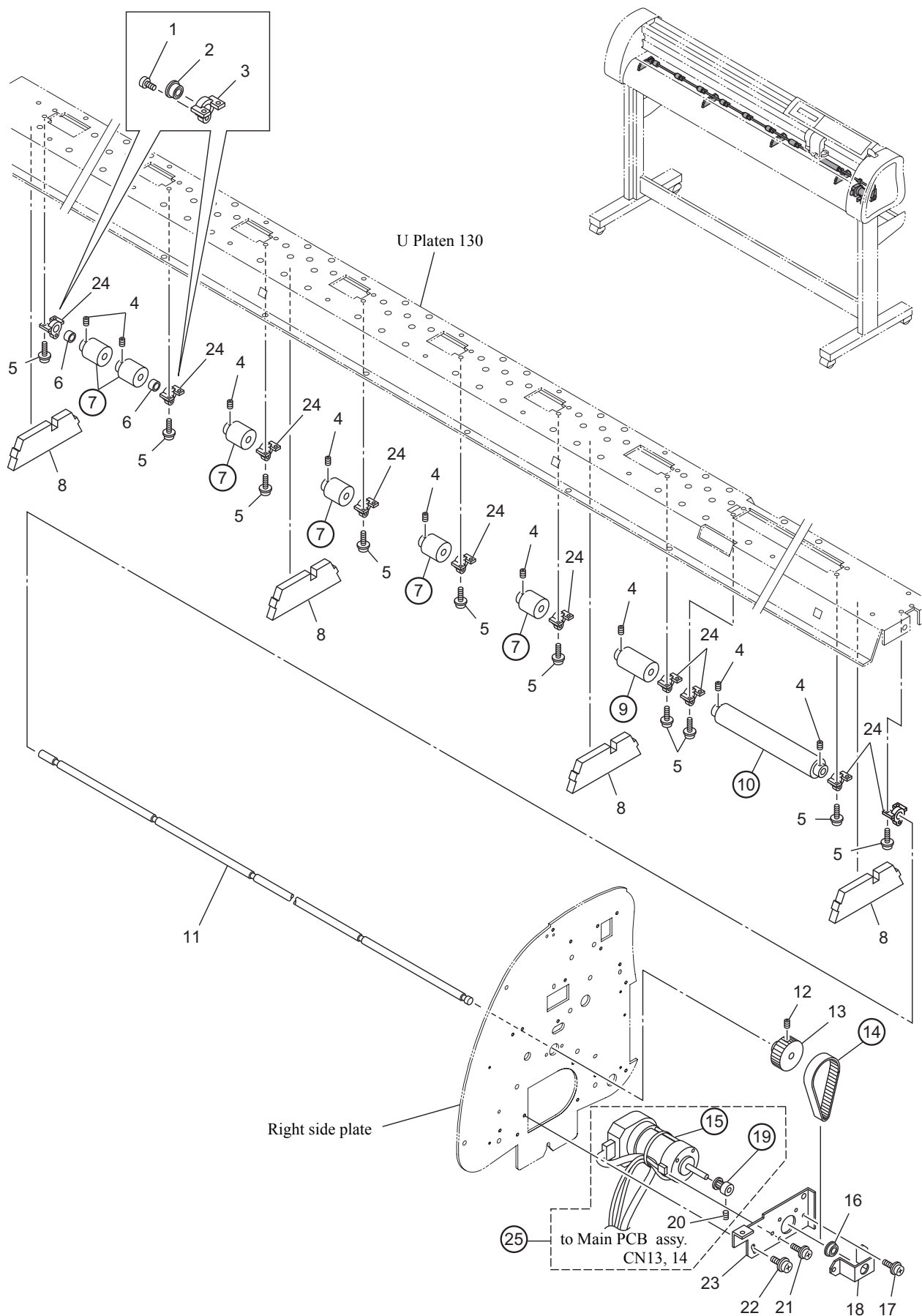


Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark	
7. X-DRIVE ASSY.(75FX/75FXII)							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com- mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1			Screw	B3 x 6	7					
2			Bearing	MR148ZZ	7					
3		M400242	BRG holder		7					
4			Hexagon socket setscrew	SSWP4 x 4	6					
5			Screw	P3 x 8SMW	14					
6			Collar	φ 8 x 7	2					
7	B	MP-M200047	GR25		4					
8		M700340	Partition pad		3					
9	B	MP-M200099	GR45		0					
10	B	MP-M200048	GR160		1					
11		M204050	GR shaft 75		1					
12			Hexagon socket setscrew	SSWP4 x 4	1					
13		M200262	X-pulley		1					
14	B	MP-140TN15-10	NOTCHED SYNCHRO BELT		1					C
15		E300460	DC motor assy.	(75, 130)	1					C
16			Bearing	F685ZZ	1					
17			Screw	P3 x 6SMW	2					
18		M504652	M shaft BR		1					
19		1120699	M pulley		1					C
20			Hexagon socket setscrew	SSWP4 x 4	1					
21			Screw	P3 x 10SMW	4					
22			Screw	P4 x 8SMW	2					
23		M504646	X motor BKT		1					
24		M005184	BRG holder assy.		7					
25	R	MP-M007941	X motor 75/130 Assy		1					A
26										
27										
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

8. X-DRIVE ASSY.(130FX/130FXII)

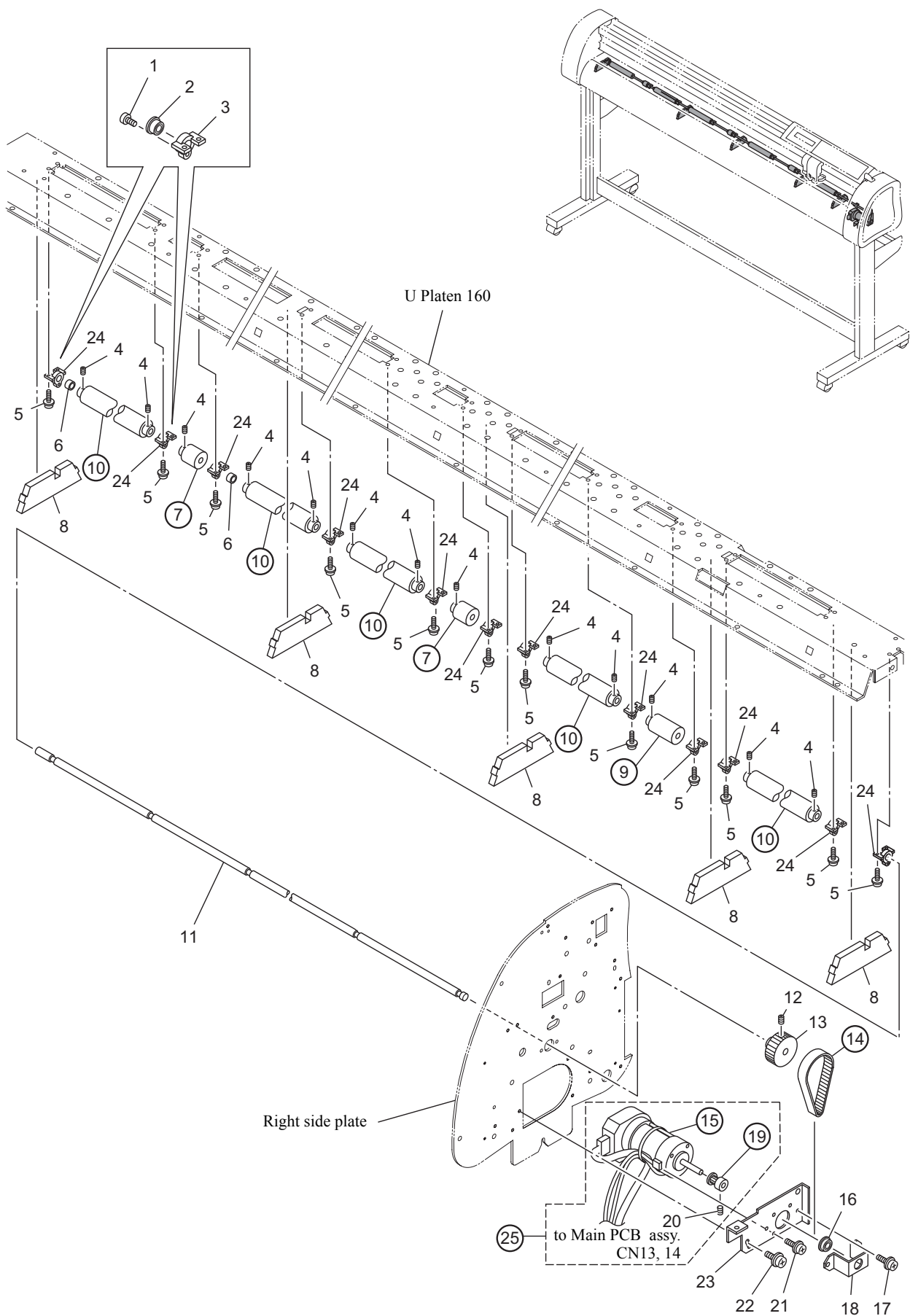


Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark	
8. X-DRIVE ASSY.(130FX/130FXII)							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com-mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1			Screw	B3 x 6		10				
2			Bearing	MR148ZZ		10				
3		M400242	BRG holder			10				
4			Hexagon socket setscrew	SSWP4 x 4		9				
5			Screw	P3 x 8SMW		20				
6			Collar	φ 8 x 7		2				
7	B	MP-M200047	GR25			6				C
8		M700340	Partition pad			4				
9	B	MP-M200099	GR45			1				C
10	B	MP-M200048	GR160			1				C
11		M203983	GR shaft 130			1				
12			Hexagon socket setscrew	SSWP4 x 4		1				
13		M200262	X-pulley			1				
14	B	MP-140TN15-10	Notched synchro belt			1				C
15		E300460	DC motor assy.	X-axis		1				
16			Bearing	F685ZZ		1				
17			Screw	P3 x 6SMW		2				
18		M504652	M shaft BR			1				
19		1120699	M pulley			1				
20			Hexagon socket setscrew	SSWP4 x 4		1				
21			Screw	P3 x 10SMW		4				
22			Screw	P4 x 8SMW		2				
23		M504646	X motor BKT			1				A
24		M005184	BRG holder assy.			10				A
25	B	MP-M007941	X motor 75/130 Assy			1				A
26										
27										
28										
29										
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

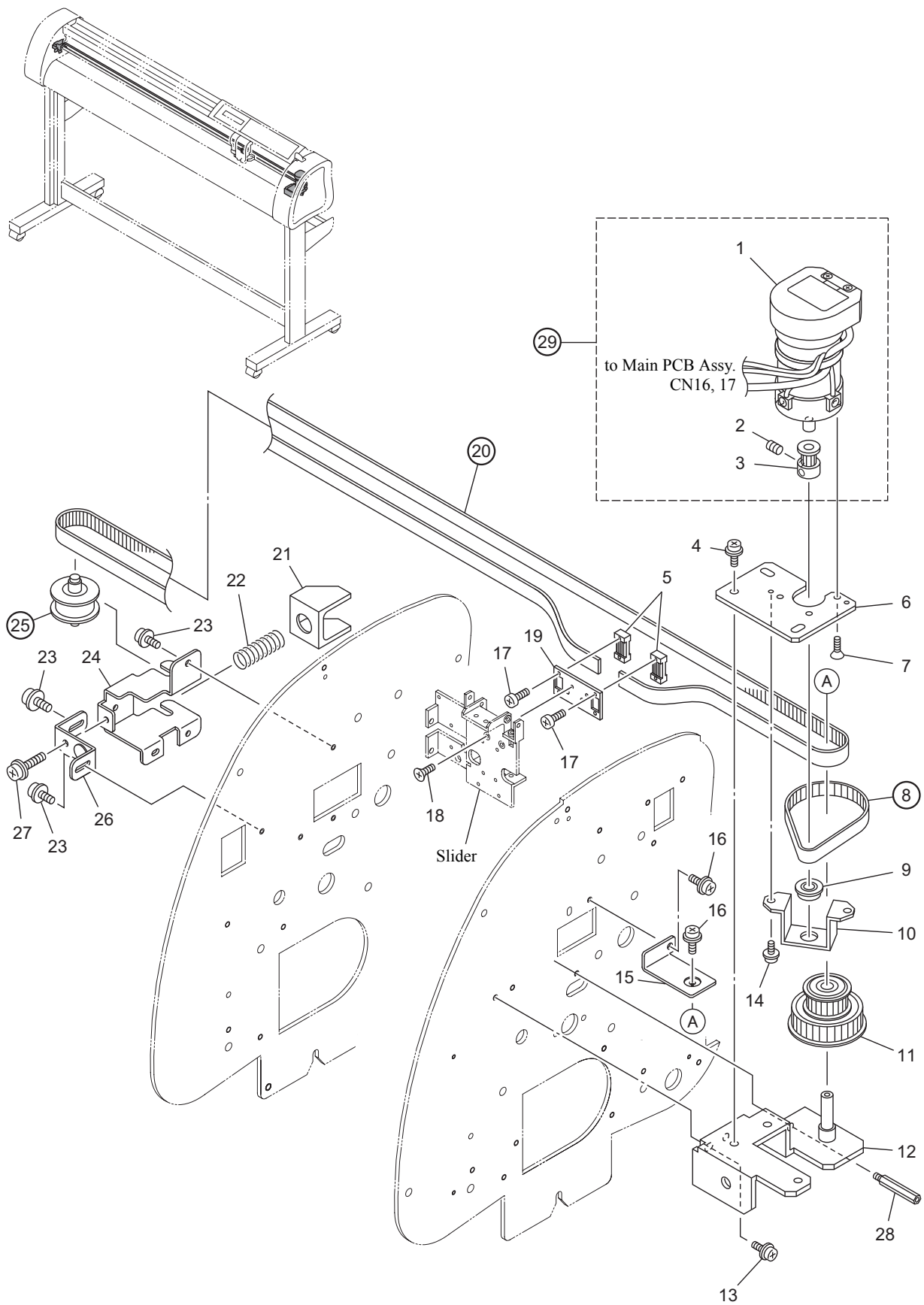
9. X-DRIVE ASSY.(160FX/160FXII)



Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark	
9. X-DRIVE ASSY.(160FX/160FXII)							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com-mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1			Screw	B3 x 6			12			
2			Bearing	MR148ZZ			12			
3		M400242	BRG holder				12			
4			Hexagon socket setscrew	SSWP4 x 4			13			
5			Screw	P3 x 8SMW			24			
6			Collar	φ 8 x 7			2			
7	B	MP-M200047	GR25				2			C
8		M700340	Partition pad				5			
9	B	MP-M200099	GR45				1			C
10	B	MP-M200048	GR160				5			C
11		M204255	GR shaft 160				1			
12			Hexagon socket setscrew	SSWP4 x 4			1			
13		M204254	X-pulley 160				1			
14	B	MP-100 S 2 M 230 UG	Notched synchro belt				1			C
15		E300461	800 DC motor assy.	X shaft			1			
16			Bearing	F685ZZ			1			
17			Screw	P3 x 6SMW			2			
18		M504652	M shaft BR				1			
19		M204253	M pulley 160				1			
20			Hexagon socket setscrew	SSWP4 x 4			1			
21			Screw	P3 x 10SMW			4			
22			Screw	P4 x 8SMW			2			
23		M504646	X motor BKT				1			A
24		M005184	BRG holder assy.				12			A
25	B	MP-M007942	X motor 160 Assy				1			A
26										
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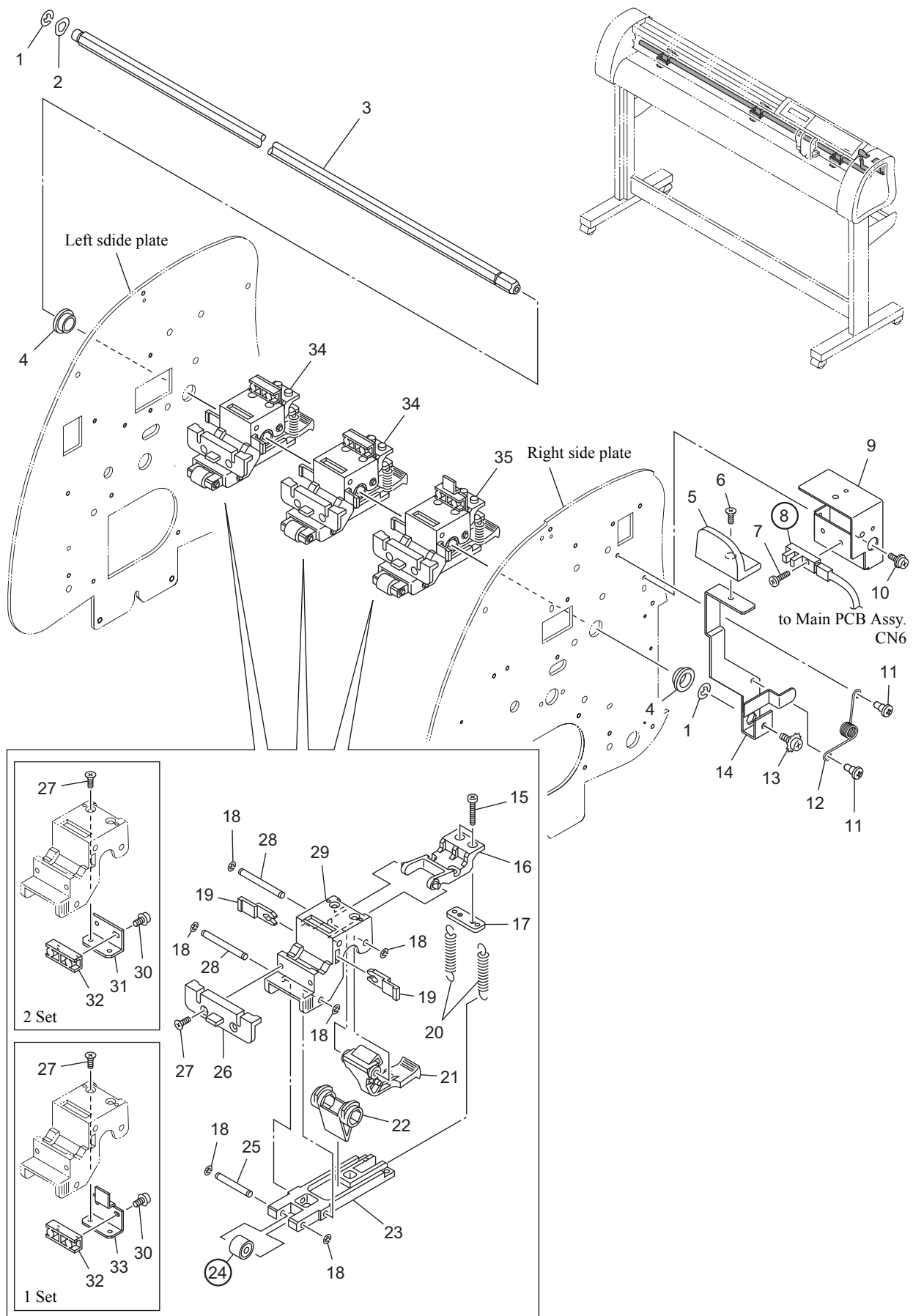
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

10. Y-DRIVE ASSY.**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	
10. Y-DRIVE ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com-mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1		E300460	DC motor assy.	(75, 130)	1	<--	<--			C
2			Hexagon socket setscrew	SSWP4 x 4	1	<--	<--			
3		1120699	M pulley		1	<--	<--			C
4			Screw	P4 x 8SMW	3	<--	<--			
5		M400244	15 Belt presser		2	<--	<--			
6		M504654	Y motor BKT		1	<--	<--			
7			Screw	F3 x 8 Black	3	<--	<--			
8	B	MP-129TN15-10	NOTCHED SYNCHRO BELT		1	<--	<--			C
9			Bearing	F685ZZ	1	<--	<--			
10		M504652	M shaft BR		1	<--	<--			
11	B	MP-M005197	Y PULLEY 15 ASSY		1	<--	<--			C
12		M005229	Y-BKT assy.		1	<--	<--			
13			Screw	P4 x 8SMW Black	3	3	3			
14			Screw	P3 x 6SMW	2	<--	<--			
15		M504595	Y-BKT roof 15		1	<--	<--			
16			Screw	P4 x 8SMW	2	<--	<--			
17			Screw	B3 x 6	4	<--	<--			
18			Screw	F3 x 8	2	<--	<--			
19		M504656	15 Belt holder		1	<--	<--			
20	B	MP-M800673	TOOTHED BELT 75		1	0	0			C
	B	MP-M800663	TOOTHED BELT 130		0	1	0			C
	B	MP-M800709	TOOTHED BELT 160		0	0	1			C
21		M600141	Tension block		1	<--	<--			
22		M800662	Tension SP		1	<--	<--			
23			Screw	P4 x 8SMW	5	<--	<--			
24		M500804	Tension BKT		1	<--	<--			
25	B	MP-M005143	T PULLEY 15 ASSY		1	<--	<--			C
26		M500217	Compression plate		1	<--	<--			
27			Screw	P4 x 20SMW	1	<--	<--			
28			Spacer	BSF-480	1	0	<--			
29	B	MP-M007943	Y motor assy.		1	<--	<--			A
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

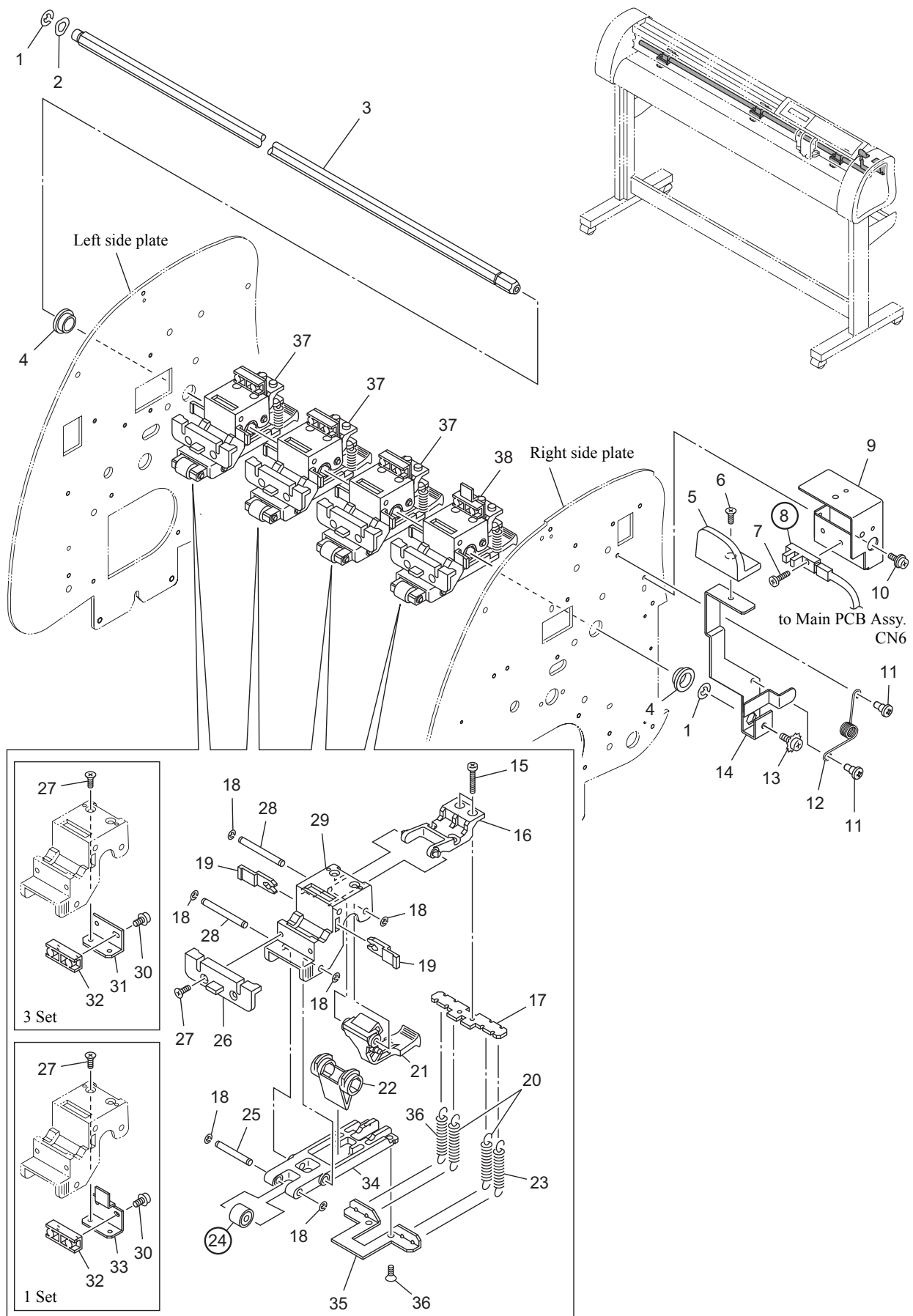
11. CLAMP ASSY.(75/130/FX/FXII)**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
11. CLAMP ASSY.(75/130/FX/FXII)							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used						Com-mon Model	P*1	M ₂ *
					CG-FX			CG-FXII					
					75	130	160	75	130	160			
1			E-ring	E-8	2	<--		2	<--				
2			W washer	WW-10	1	<--		1	<--				
3		M204049	Clamp shaft 75		1	0		1	0				
		M203982	Clamp shaft 130		0	1		0	1				
4		M600694	Bush		2	<--		2	<--				
5		M601262	Lever grip		1	<--		0	0				
		M602259	Lever grip 2		0	0		1	<--				C
6			Screw	F4 x 8 Black	1	<--		1	<--				
7			Screw	B4 x 12	1	<--		1	<--				
8	B	MP-E104436	CLAMP SENSOR TOTAL ASSY		1	<--		1	<--				C
9		M504655	CBR		1	<--		1	<--				
10			Screw	P4 x 8SMW	1	<--		1	<--				
11		M400283	Belt screw		2	<--		2	<--				
12		M800661	Spring		1	<--		1	<--				
13			Screw	P4 x 10TW	1	<--		1	<--				
14		M504653	Clamp lever		1	<--		1	<--				
15			Screw	B3 x 20	6	<--		6	<--				
16		M600677	Adjustable plate		3	<--		3	<--				
17		M502157	Pressure adjust plate		3	<--		3	<--				
18			E-ring	E-3	18	<--		18	<--				
19		M600666	Leaf spring	*1	6	<--		6	<--				
20		M800412	Clamp SP		6	<--		6	<--				
21		M600662	Cam lever		3	<--		3	<--				
22		M600663	Main cam		3	<--		3	<--				
23		M400171	PR base		3	<--		3	<--				
24	B	MP-YEG-025	PINCH ROLLER		3	<--		3	<--				C
25		M202182	PR shaft		3	<--		3	<--				
26		M600665	Front hook		3	<--		3	<--				
27			Screw	F3 x 8 Black	12	<--		12	<--				
28		M202183	Fulcrum shaft		6	<--		6	<--				
29		M601320	Clamp FX		3	<--		3	<--				
30			Screw	P3 x 8SMW	6	<--		6	<--				
31		M502158	Hook BKT		2	<--		2	<--				
32		M600664	Upper hook		3	<--		3	<--				
33		M504661	Stopper BKT		1	<--		1	<--				
34	B	MP-M006502	CLAMP TOTAL ASSY L 130FX		2	<--		2	<--				A
35	B	MP-M006501	CLAMP TOTAL ASSY R 130FX		2	<--		2	<--				A
36													
37													
38													
39													
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*1. *1: Use for an unstable pinch roller that easily moves from side to side.

*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

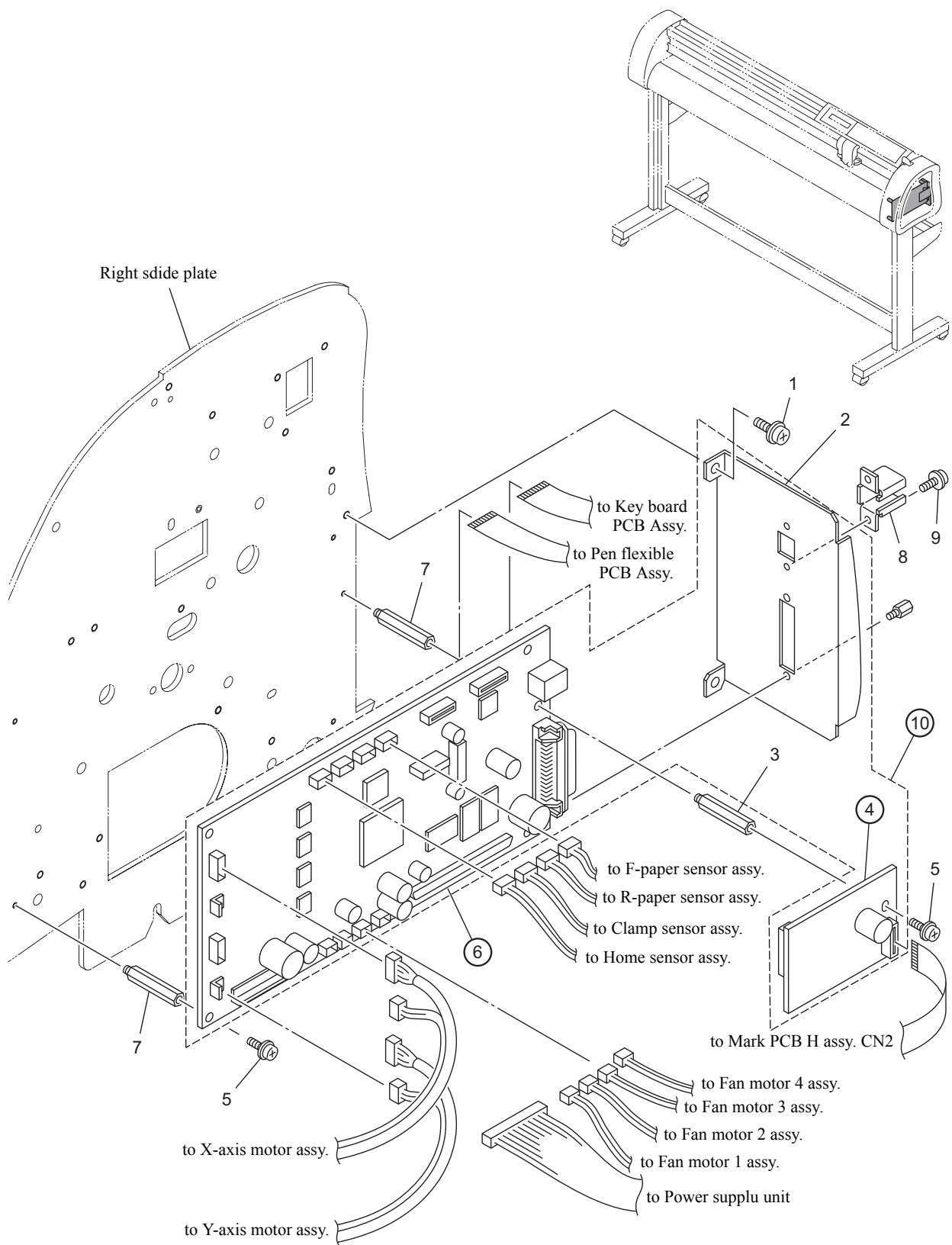
12. CLAMP ASSY.(160/FX/FXII)**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
12. CLAMP ASSY.(160/FX/FXII)							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used						Com-mon Model	P*1	M ₂ *
					CG-FX			CG-FXII					
					75	130	160	75	130	160			
1			E-ring	E-8			2			2			
2			W washer	WW-10			1			1			
3		M204256	Clamp shaft 160				1			1			
4		M600694	Bush				2			2			
5		M601262	Lever grip				1			0			
		M602259	Lever grip 2				0			1			C
6			Screw	F4 x 8 Black			1			1			
7			Screw	B4 x 12			1			1			
8	C	MP-E104436	CLAMP SENSOR TOTAL ASSY				1			1			C
9		M504655	CBR				1			1			
10			Screw	P4 x 8SMW			1			1			
11		M400283	Belt screw				2			2			
12		M800661	Spring				1			1			
13			Screw	P4 x 10TW			1			1			
14		M504653	Clamp lever				1			1			
15			Screw	B3 x 20			8			8			
16		M600677	Adjustable plate				4			4			
17		M505228	Spring hook upper				4			4			
18			E-ring	E-3			24			24			
19		M600666	Leaf spring	*1			8			8			
20		M800707	Clamp SP-H				8			8			
21		M600662	Cam lever				4			4			
22		M600663	Main cam				4			4			
23		M800708	Clamp SP-L				8			8			
24	B	MP-YEG-025	PINCH ROLLER				4			4			C
25		M202182	PR shaft				4			4			
26		M600665	Front hook				4			4			
27			Screw	F3 x 8 Black			16			16			
28		M202183	Fulcrum shaft				8			8			
29		M601320	Clamp FX				4			4			
30			Screw	P3 x 8SMW			8			8			
31		M502158	Hook BKT				3			3			
32		M600664	Upper hook				4			4			
33		M504661	Stopper BKT				1			1			
34		M400258	PR base 160				4			4			
35		M505229	Spring hook lower				4			4			
36			Screw	B3 x 6 Black			2			2			
37	B	MP-M006504	16 CLAMP TOTAL ASSY L				3			3			C
38	B	MP-M006503	16 CLAMP TOTAL ASSY R				1			1			C
39													
40													
41													
42													
43													

*1. *1: Use for an unstable pinch roller that easily moves from side to side.

*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

13. MAIN PCB ASSY.**4.0**

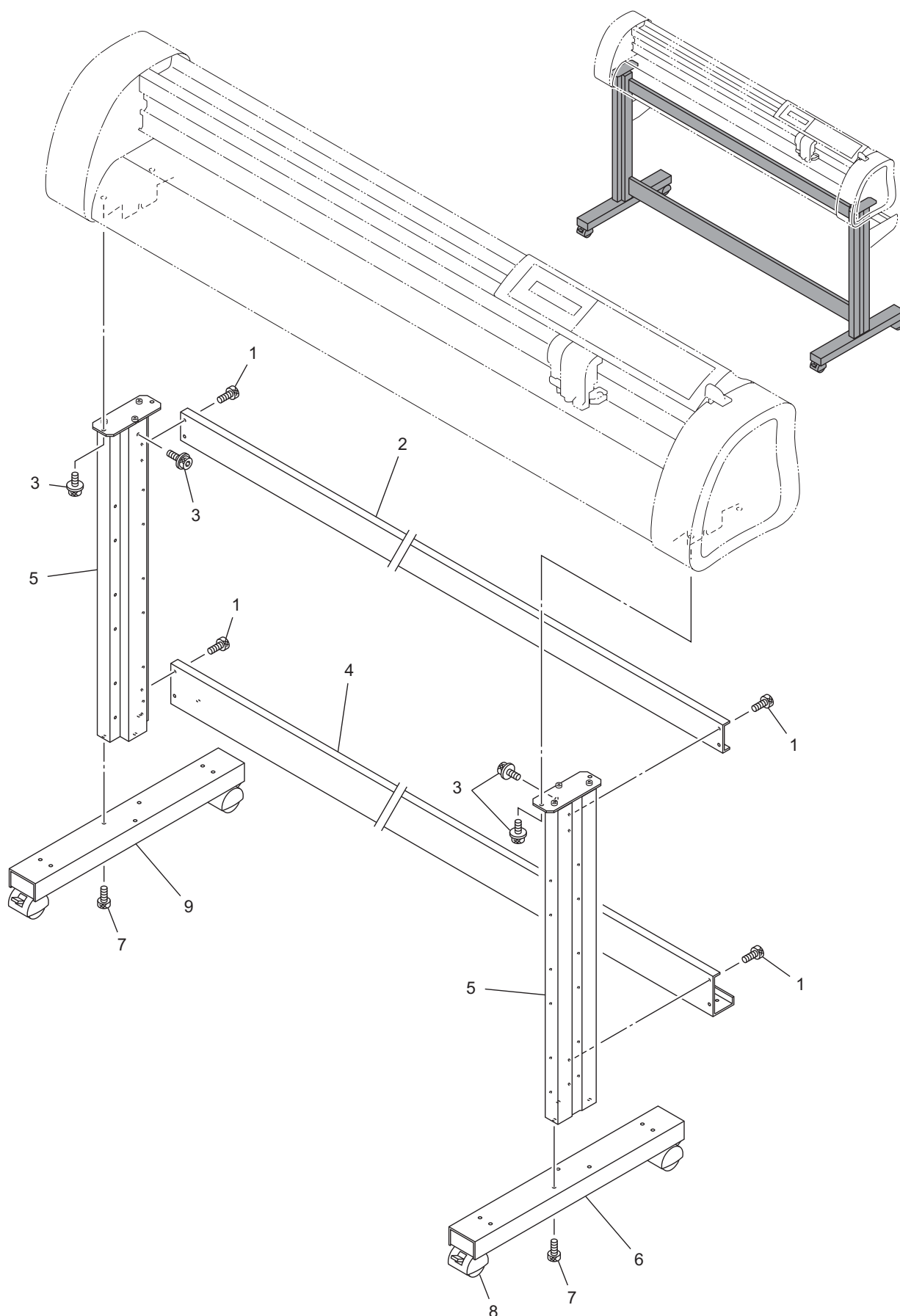
Mechanical Drawing										Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver		Remark		4.0
13. MAIN PCB ASSY.										

No.	Rank	Part codes	Name of part	Remarks	Quantity used						Com-mon Model	P*1	M ₂ *
					CG-FX			CG-FXII					
					75	130	160	75	130	160			
1			Screw	P4 x 8SMW	2	<--	<--	0	0	0			
2		M507312	Interface BR	*1	1	<--	0	0	0	0			
			Interface BR	*2	0	0	1	0	0	0			
		M509822	Interface BR		0	0	0	1	<--	<--			A
3			Spacer	BSF-325	1	<--	4	1	<--	4			
4	B	MP-E103679	MARK PCB MF ASSY" CG-FX , RoHs"		1	<--	<--	1	<--	<--			C
	B		Sub PCB MF assy.	* 2	0	0	1	0	0	0			
5			Screw	P3 x 6SMW	5	<--	7	5	<--	7			
6	B	MP-E103677	"MAIN PCB ASSY,CG-FX RoHS"		1	<--	<--	1	<--	<--			C
	B		Main PCB assy.	* 2	0	0	1	0	0	0			
7		M205146	Spacer		5	<--	7	5	<--	7			
8		M507314	Connector cover		1	<--	<--	1	<--	<--			
9			Screw		2	<--	<-	2	<--	<-			
10	R	M006983	A set of CG-160FX RoHS supported main board	3 items set *2	0	0	1	0	0	0			
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*1. Make sure to replace the Right side cover (M601259) simultaneously for the models before Rev.1 (CG-75FX and CG-130FX)

*2. "Main PCB assy." or "Sub PCB assy." for the CG-160FX Rev.2 or before is incompatible. When replacing either of them, replace all the following three set items. Main PCB assy. (E103677), Mark PCB M assy. (E103679), and Interface BR (M507312).

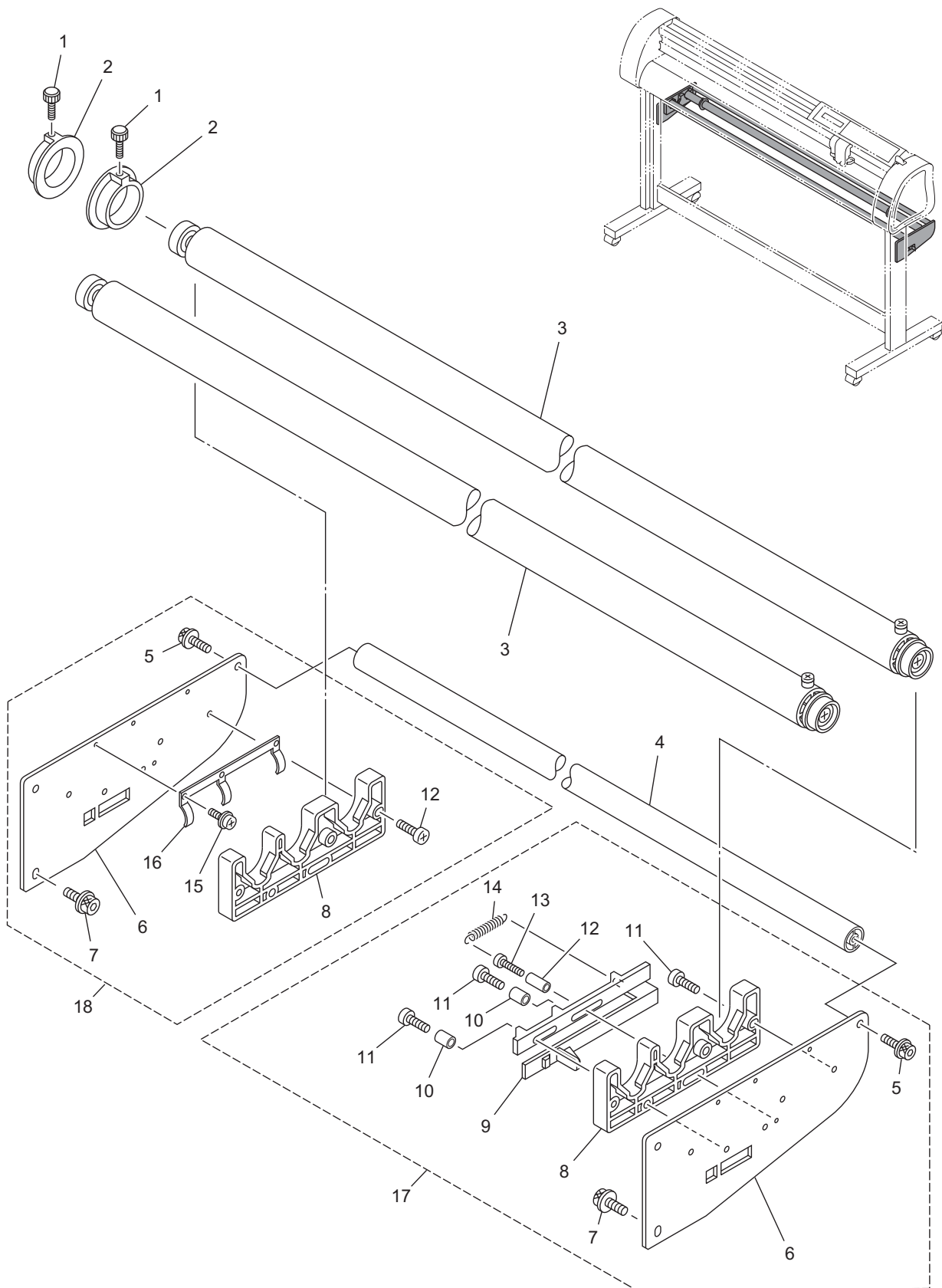
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

14. STAND ASSY.**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised	F/W ver	Remark	
14. STAND ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com- mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1			Hexagon socket head cap screw	CS5 x 15SMW	8	<--	<--			
2		M504779	Stay upper 75		1	0	0			
		M504665	Stay upper 130		0	1	0			
		M505278	Stay upper 160		0	0	1			
3			Hexagon socket head cap screw	CS5 x 15SMW	6	<--	<--			
4		M504780	Stay under 75		1	0	0			
		M504666	Stay under 130		0	1	0			
		M505279	Stay under 160		0	0	1			
5		M005232	Stand assy.		2	<--	<--			
6		M005401	Right-foot assy.		1	<--	<--			
7			Hexagon socket head cap screw	CS5 x 15SMW	6	<--	<--			
8			Caster assy.	DNB50BM8	4	<--	<--			
9		M005402	Left-foot assy.		1	<--	<--			
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

15. ROLL ASSY.**4.0**

Mechanical Drawing							Rev.
Model	CG-FX/FXII	Issued	2011.04.28	Revised		F/W ver	Remark
15. ROLL ASSY.							4.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used			Com-mon Model	P*1	M*2
					CG-FX/FXII					
					70	130	160			
1		M601292	M5 Screw		2	<--	<--			
2		M601286	Roll holder		2	<--	<--			
3		M005362	Roll bar 75 assy.		2	0	0			
		M005230	Roll bar 130 assy.		0	2	0			
		M005703	Roll bar 160 assy.		0	0	2			
4		M300836	Support bar 75		1	0	0			
		M300829	Support bar 130		0	1	0			
		M300878	Support bar 160		0	0	1			
5			Hexagon socket head cap screw	CS5 x 15SMW	2	<--	<--			
6		M504670	Roll stay		2	<--	<--			
7			Hexagon socket head cap screw	CS5 x 15SMW	4	<--	<--			
8		M600830	Roll receiver		2	<--	<--			
9		M600831	Roll stopper		1	<--	<--			
10			Collar	φ 4 x L15	2	<--	<--			
11			Screw	B4 x 18	8	<--	<--			
12			Collar	φ 3 x L22	1	<--	<--			
13			Screw	B3 x 25	1	<--	<--			
14		M800468	Roll stopper SP		1	<--	<--			
15			Screw	P3 x 6SMW Black	3	<--	<--			
16		M504672	Sring plate		1	<--	<--			
17		M005260	Roll stay right assy.,		1	<--	<--			A
18		M005261	Roll stay left assy.,		1	<--	<--			A
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

