



INKJET PRINTER

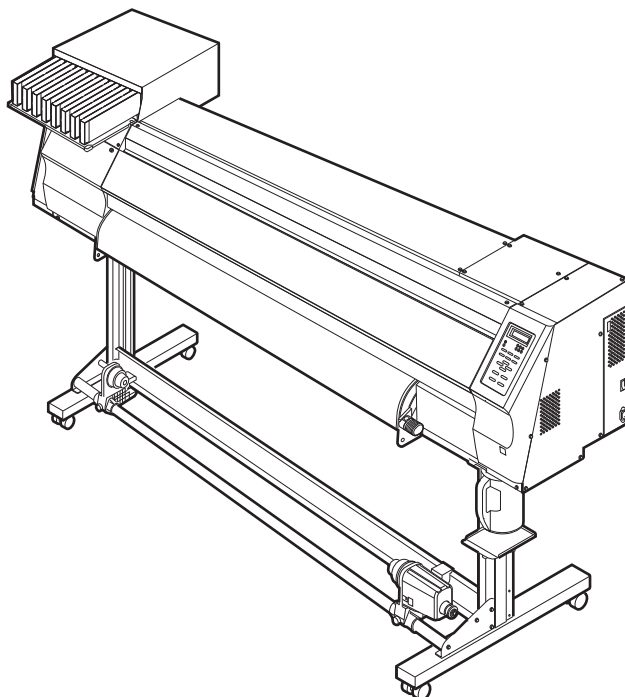
JV33-130/160

JV33-130BS/160BS

TS3-1600

MECHANICAL DRAWING

Revision 2.1



MIMAKI ENGINEERING CO., LTD.

URL : <http://www.mimaki.co.jp/>

D500494-21

TABLE OF CONTENTS

Recommend parts list	4
COVER ASSY. -1/4	6
COVER ASSY. -2/4	8
COVER ASSY. -3/4	10
COVER ASSY. -4/4	12
LEG ASSY. (Type 1)	14
LEG ASSY. (Type 2)	16
FRAME ASSY. -1/4	18
FRAME ASSY. -2/4	20
FRAME ASSY. -3/4 (Type 1)	22
FRAME ASSY. -3/4 (Type 2)	24
FRAME ASSY. -4/4	26
CLAMP ASSY. -1/2	28
CLAMP ASSY. -2/2	30
X DRIVE ASSY.	32
Y DRIVE ASSY. -1/2	34
Y DRIVE ASSY. -2/2	36
BEAR ASSY.	38
INK SLIDER PCB	40
STATION ASSY. -1/2 (Type 1)	42
STATION ASSY. -1/2 (Type 2)	44
STATION ASSY. -2/2	46
CAP BASE ASSY.	48
WIPER ASSY.	50
WASTE INK TANK ASSY.	52
HEAD ASSY. -1/4	54
HEAD ASSY. -2/4	56
HEAD ASSY. -3/4	58
HEAD ASSY. -4/4	60
ELECTRICAL UNIT ASSY. -1/2	62
ELECTRICAL UNIT ASSY. -2/2	64
PLATEN ASSY. -1/3	66
PLATEN ASSY. -2/3	68
PLATEN ASSY. -3/3	70
CARTRIDGE BRACKET ASSY.	72
CARTRIDGE ASSY.	74
X-AXIS MOTOR RELAY PCB	76
CLEANING CARTRIDGE -1/2	78
CLEANING CARTRIDGE -2/2	80
TAKE-UP DEVICE ASSY. -1/2 (Type 1)	82
TAKE-UP DEVICE ASSY. -1/2 (Type 2)	84
TAKE-UP DEVICE ASSY. -2/2	86
ROLL ASSY.-1/2	88
ROLL ASSY.-2/2 (Type 1)	90
ROLL ASSY.-2/2 (Type 2)	92
DRY FAN ASSY.	94
EXHAUST DEVICE ASSY.	96
INK PATH PIPEWORK	98
ELECTROSTATIC SHEET ASSY. (OPT-J0139/J0140)	100
PACKING ASSY.	102
CHANGE TRACKING	104



Recommend parts list

Necessary parts for a smooth maintenance work are shown below as "Recommended parts".

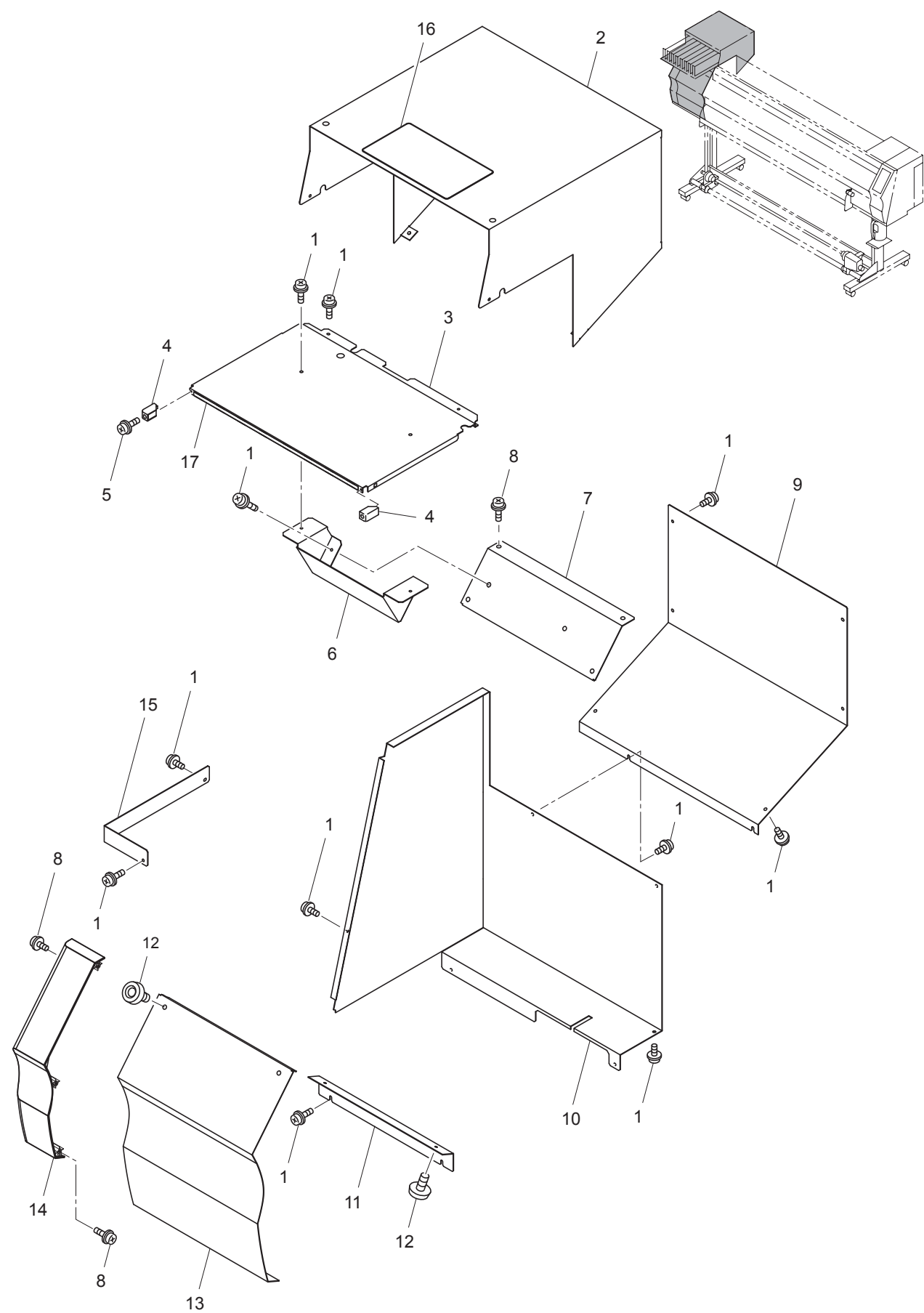
- Rank A : The part that might be broken within a year or is needed to replace periodically.
- Rank B : The part that is recommended to stock in dealer.

No.	Rank	Parts codes	Name of part	Page	Remark	
1	A	MP-M007389	Cap assy.	49		
2	A	MP-M800975	W soak up pad	51		
3	A	MP-M602093	Wiper slider 33	51		
4	A	MP-M006579	Compression damper SP assy.	59		
5	A	MP-M004868	S pump L assy.	43, 45		
6	A	MP-M007390	Pump cleaning assy.	43, 45		
7	B	MP-M007616	Cover fulcrum pin L assy.	9		
8	B	MP-M007617	Cover fulcrum pin R assy.	9		
9	B	MP-E104539	Keyboard PCB assy.	19		
10	B	MP-D3M-01K1-3	Micro switch	21, 23, 25		
11	B	MP-E300353	Linear encoder scale 1857	27		
12	B	MP-E300348	Linear encoder scale 2126	27		
13	B	MP-OJ-6505-N2	Photo sensor	29, 51, 57		
14	B	MP-M700322	Pinch roller (EPDM)	31		
15	B	MP-250TN15-10	Synchro belt TN	33		
16	B	MP-M007619	X-axis motor assy. 33	33		
17	B	MP-M006977	Y-T pulley assy.	35		
18	B	MP-M800982	Y drive belt 33 160	35		
19	B	MP-M800989	Y drive belt 33 130	35		
20	B	MP-150 S2M 380G	Belt with cleaning teeth	37		
21	B	MP-F607ZZ	Bearing	37		
22	B	MP-M006891	Y drive pulley assy.	37		
23	B	MP-M007620	Y-axis motor assy. 33	37		
24	B	MP-P-9	O-ring	37		
25	B	MP-E104855	Ink slider PCB	41		
26	B	MP-E300728	HDC FFC 160Assy	41		
27	B	MP-E300729	HDC FFC 130Assy	41		
28	B	MP-M800971	Station soak up pad	43, 45		
29	B	MP-E300495	Stepping motor	43, 51		
30	B	MP-E300513	Stepping motor	45		
31	B	MP-E104854	Station PCB assy.	47		
32	B	MP-M007482	JV33 cutter assy.	55		
33	B	MP-M600597	Head lock screw	55		
34	B	MP-E103961	Linear encoder PCB assy.	57		
35	B	MP-E104428	Head memory PCB	59		
36	B	MP-M006954	Joint valve assy.	59		
37	B	MP-M007622	Head FFC Assy. 33	59		
38	B	MP-M007947	IH47V-2-G head unit assy.	59		
39	B	MP-M700326	RS O ring $\phi 2.16 \times 1.4$	59, 99		
40	B	MP-E103819	PRAM PCB	63		
41	B	MP-E104876	Regenerative resistance PCB assy.	63		
42	B	MP-E104939	HDC fan assy.	63		
43	B	MP-E105997	Main PCB assy.	63		
44	B	MP-E105998	Main PCB B assy.	63		

Recommend parts list

No.	Rank	Parts codes	Name of part	Page	Remark	
45	B	MP-E106241	Connector assy. for whether there is Heater or not	63		
46	B	MP-E300474	Power unit PCB	63		
47	B	MP-E300482	Adsorption fan assy.	67		
48	B	MP-M508889	Media plate 33	69		
49	B	MP-PS-R11L-B	Photo sensor	69		
50	B	MP-E104988	LED PCB assy.	73		
51	B	MP-1033477	Detector assy.	75, 81		
52	B	MP-E105363	ID contact PCB CN032 assy.	75		
53	B	MP-E105412	Ink cartridge solenoid assy.	75		
54	B	MP-M007124	Valve N-3 M6 assy.	75		
55	B	MP-E104856	X-axis motor relay PCB assy.	77		
56	B	MP-M007507	Winder left (S) assy. 33	83		
57	B	MP-M007898	Wind-upleft (S) V2 assy. 33	85		
58	B	MP-M602278	Guide cap	85, 89, 93		
59	B	MP-M007478	JV33 take-up right (S) assy.	87		
60	B	MP-M007506	Media holder L assy. 33	89		
61	B	MP-M007464	Roll holder R assy. 33	91, 93		
62	B	MP-E102451	Drying fan 1 assy.	95		
63	B	MP-E103646	Drying fan fork PCB assy.	95		
64	B	MP-E103784	Drying fan 2 assy.	95		
65	B	MP-E104412	Exhaust fan assy.	97		
66	B	MP-1080249	Tube	99		
67	B	MP-M602148	φ2 T joint M6	99		
68	B	MP-M700782	φ2 Rubber stopper	99		

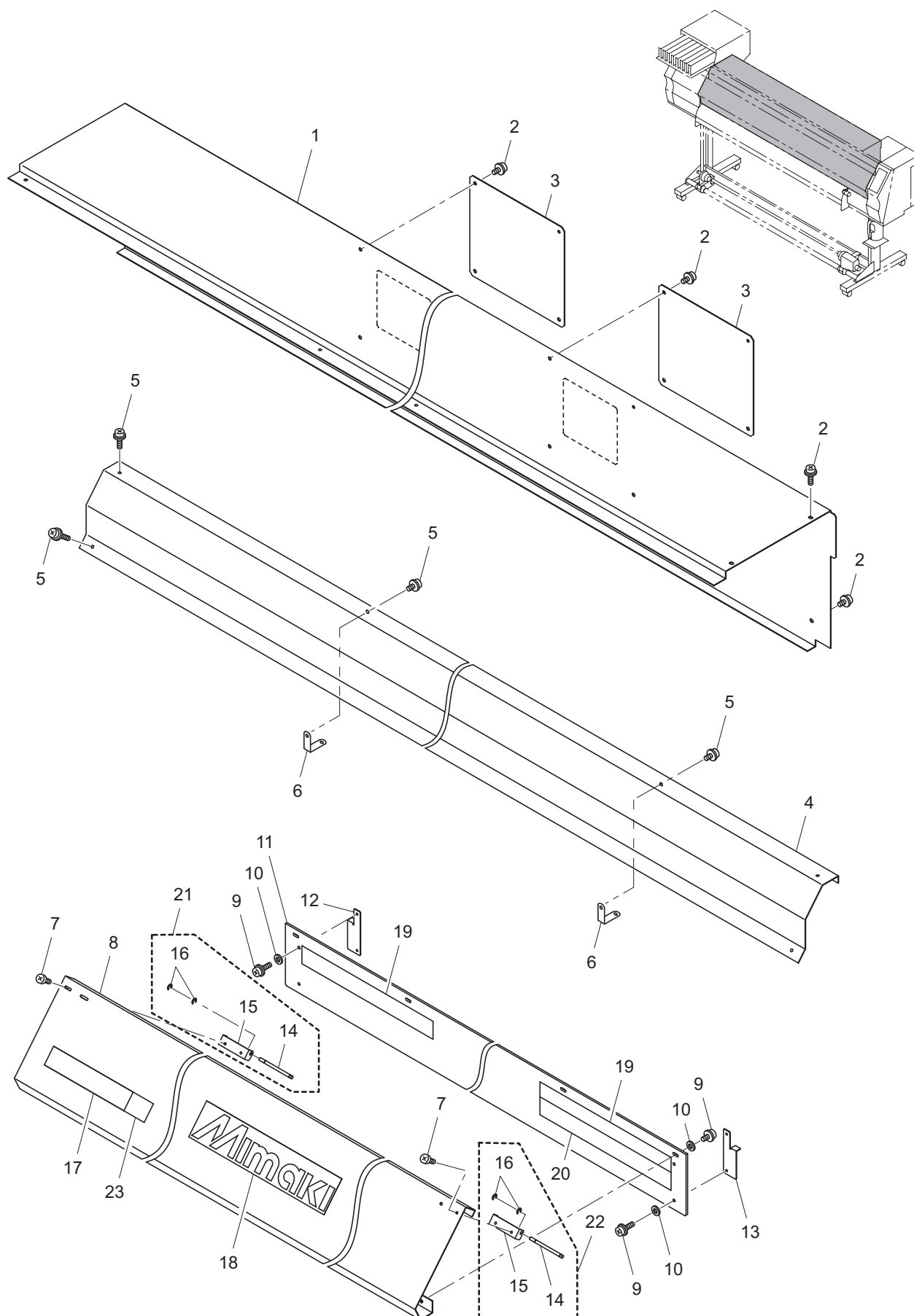
COVER ASSY. -1/4



[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

COVER ASSY. -2/4

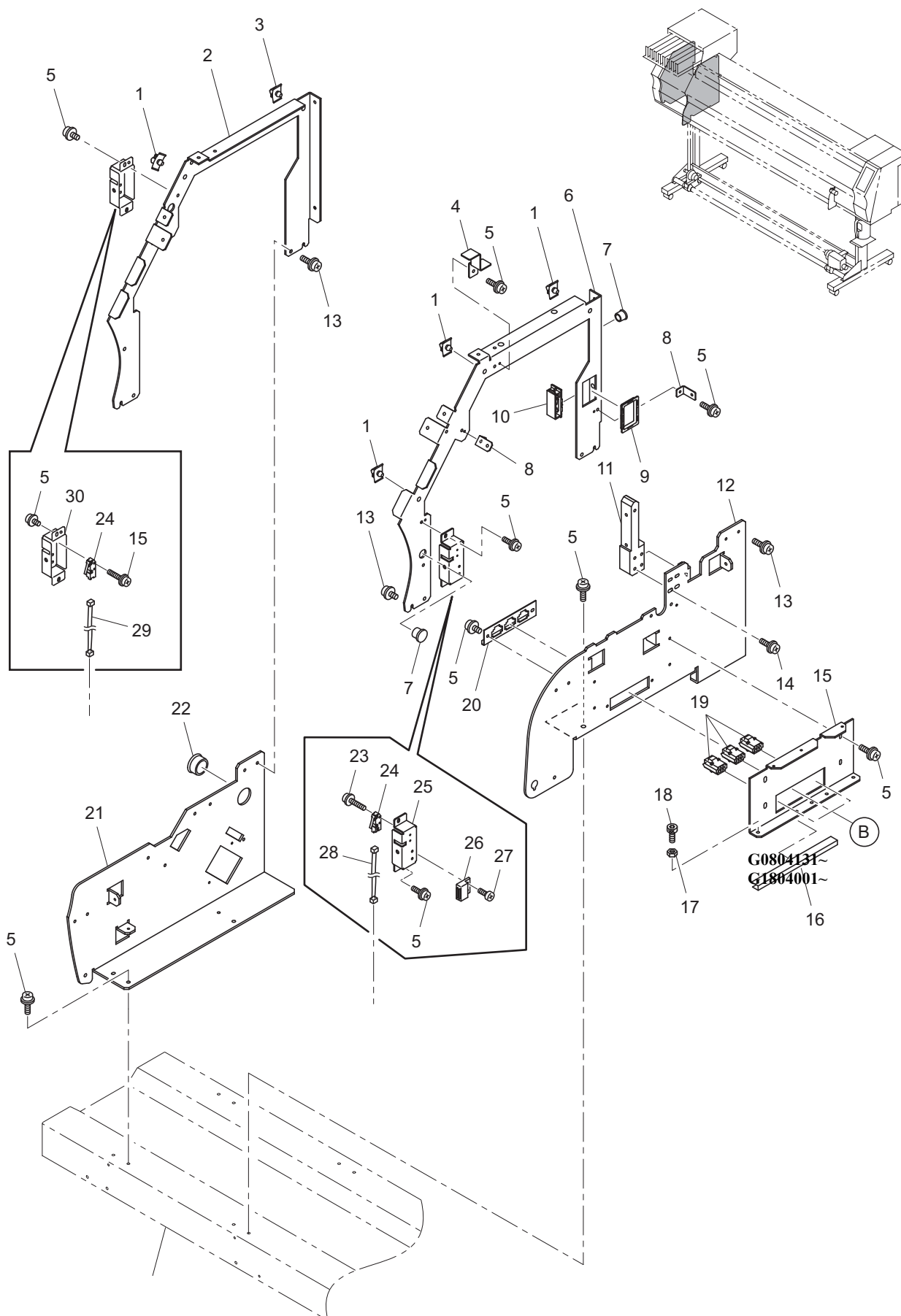


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1		M508742	Y cover R 160	1	-				
		M508916	Y cover R 130	-	1				
2			Screw	13	←			P4x10SMW Black	
3		M508858	Y cover R lid	2	←			~G0806400 ~G1805270	
		M602223	Y cover R lid	2	←			G0806401~ G1805271~	
4		M508741	Y cover C 160	1	-				
		M508915	Y cover C 130	-	1				
		M510669	Y cover C 160TS	1	-			TS3-1600 exclusive	
5			Screw	6	←			P4x12SMW	
6		M509094	Cover joint bracket	2	←				
7			Screw	4	←			B3x6NI	
8		M508740	Y cover F 160	1	-				
		M508914	Y cover F 130	-	1				
9			Screw	14	13			P3x8SMW	
10			Teflon washer White	14	13			WP-5	
11		M602111	Front cover L 160	1	-				
		M602141	Front cover L 130	-	1				
12		M507519	Switch dog L	1	←				
13		M507518	Switch dog R	1	←				
14		M205599	Cover fulcrum pin	2	←				
15		M503978	Cover fulcrum pin bracket	2	←				
16			E-ring	4	←			E-3	
17		M905209	JV33-160 main unit plate	1	-				
		M905206	JV33-130 main unit plate	-	1				
		M906065	TS3-1600 main unit plate	1	-			TS3-1600 exclusive	
		M907025	JV33-130A main unit plate	-	1			A model exclusive	
		M907026	JV33-160A main unit plate	1	-			A model exclusive	
18		M904849	Mimaki logo plate	1	←				
19		M901549	Front cover warning plate	2	←				
20		M901607	Cover warning plate	1	←				
21	B	MP-M007616	Cover fulcrum pin L assy.	1	←				
22	B	MP-M007617	Cover fulcrum pin R assy.	1	←				
23		M907067	Body label-Type B	1	1			Type B exclusive	
		M905918	BS model label	1	1			BS model exclusive	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



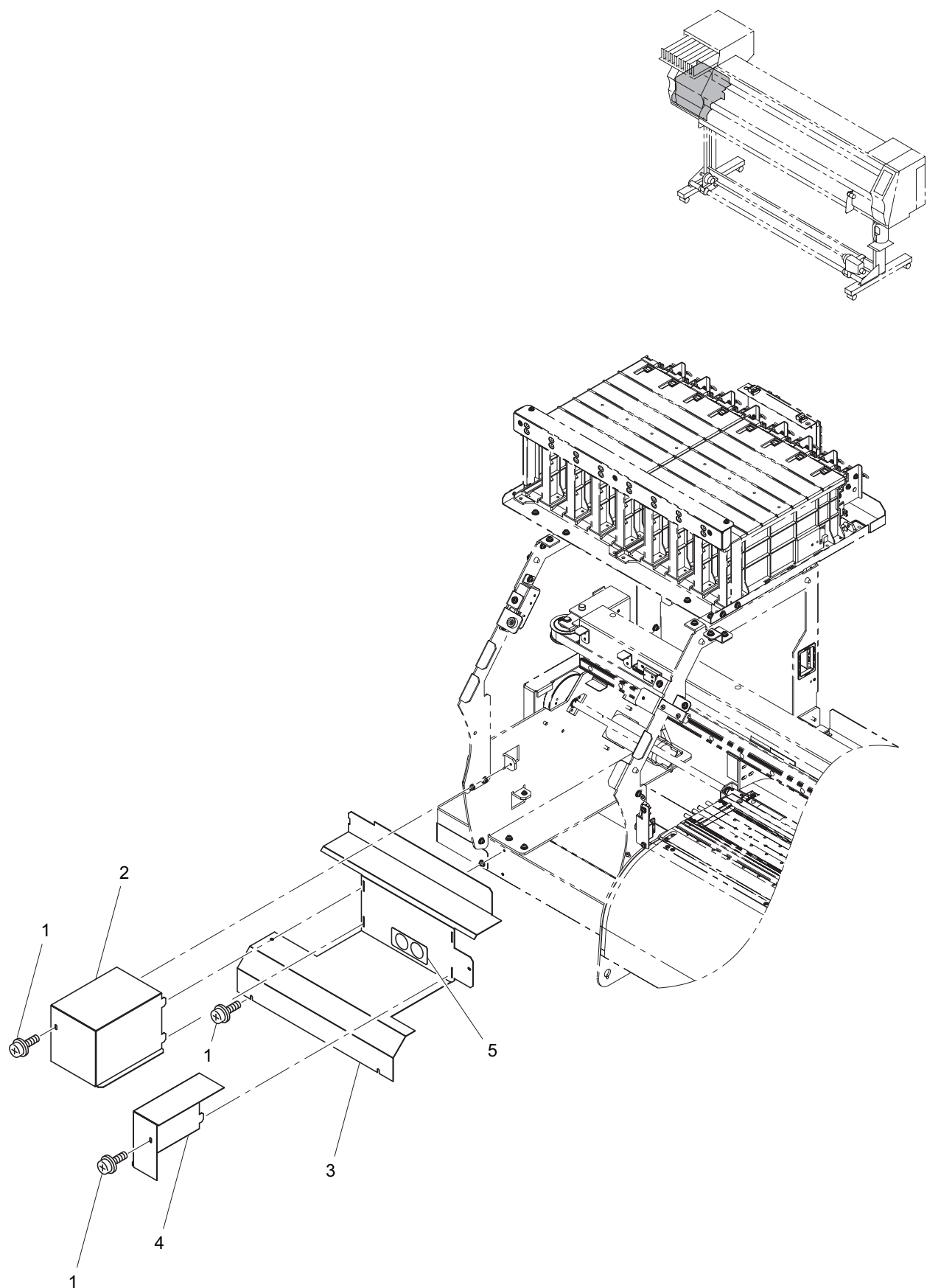
COVER ASSY. -3/4



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*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

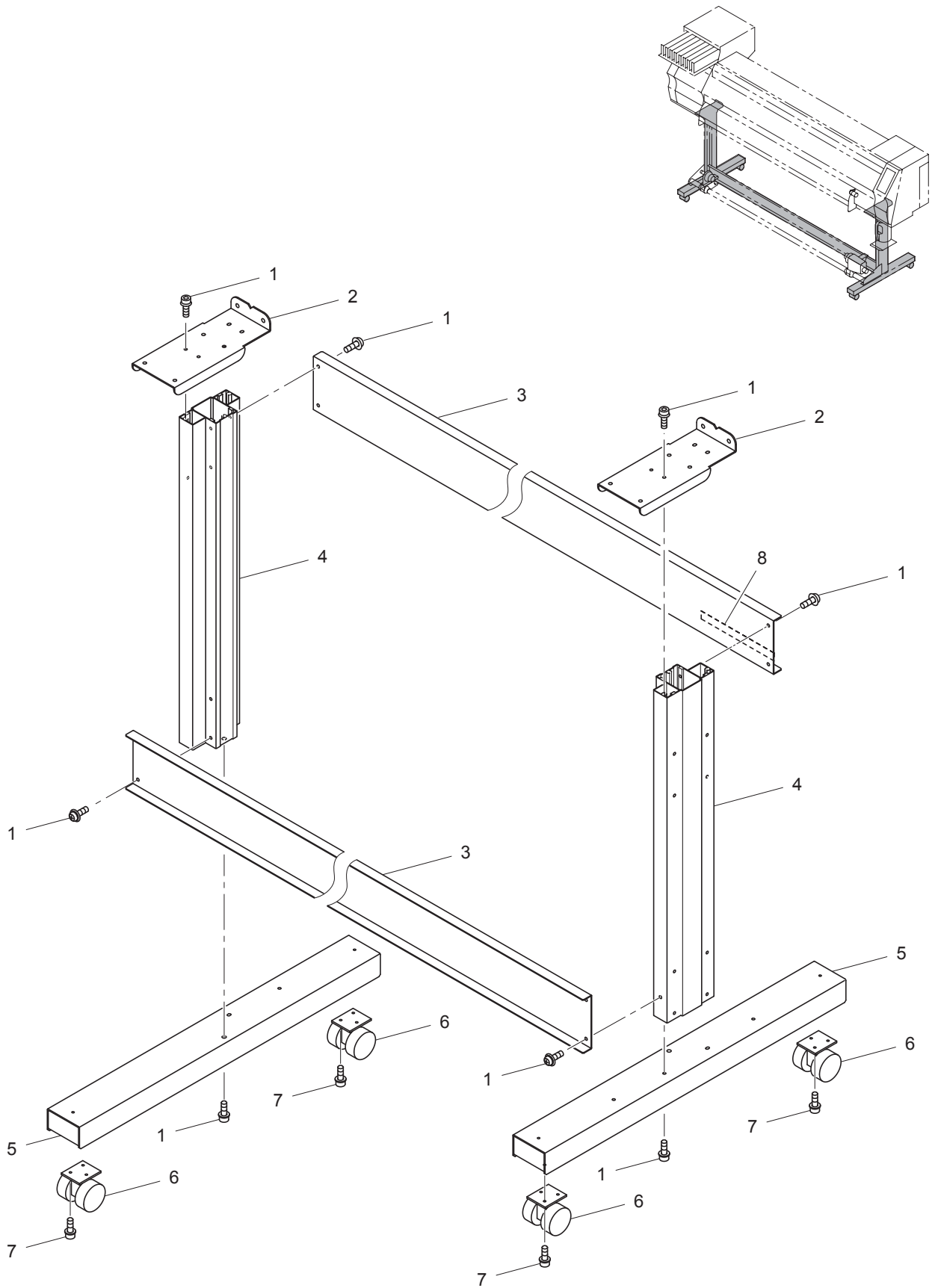
COVER ASSY. -4/4



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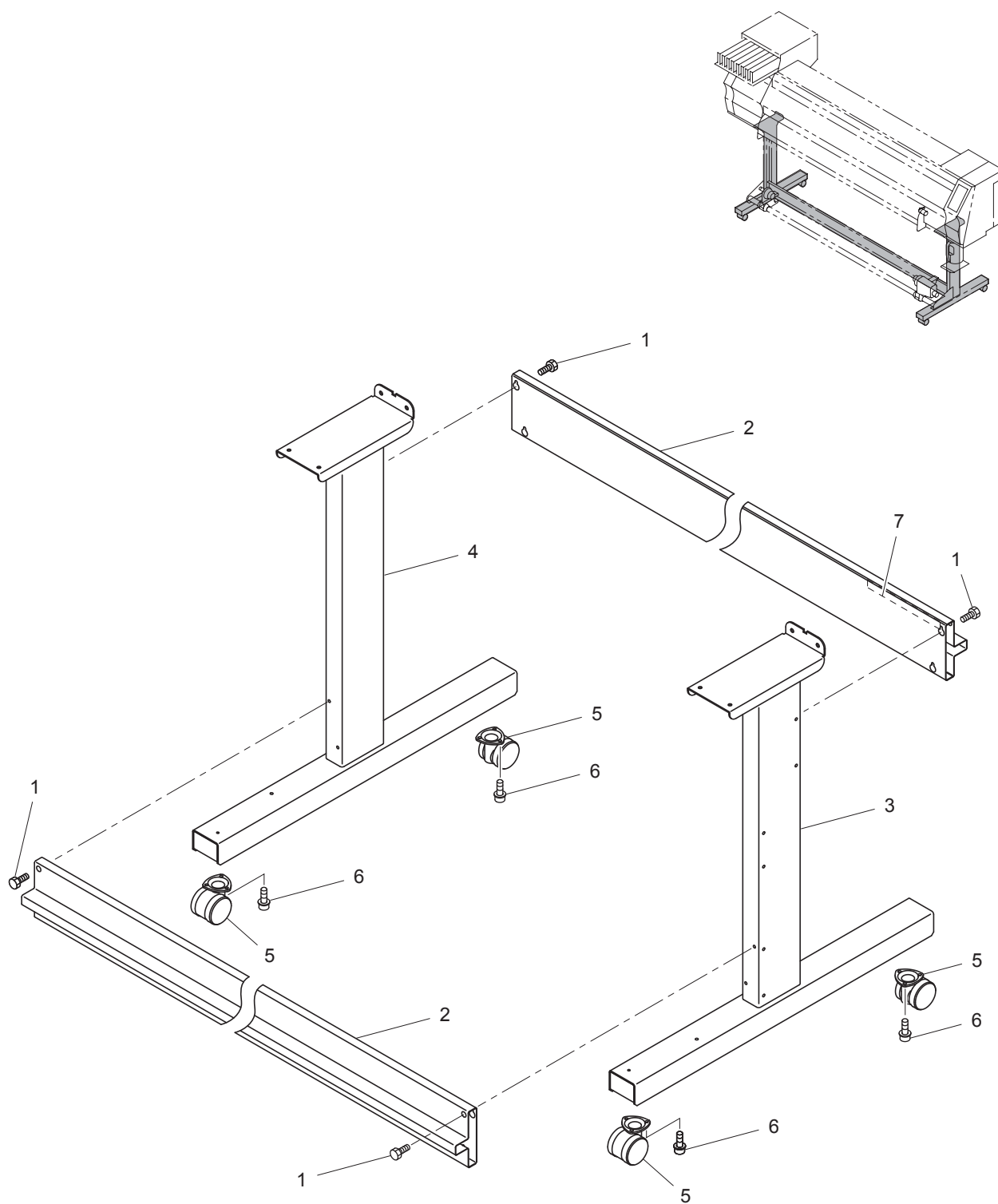
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LEG ASSY. (Type 1)

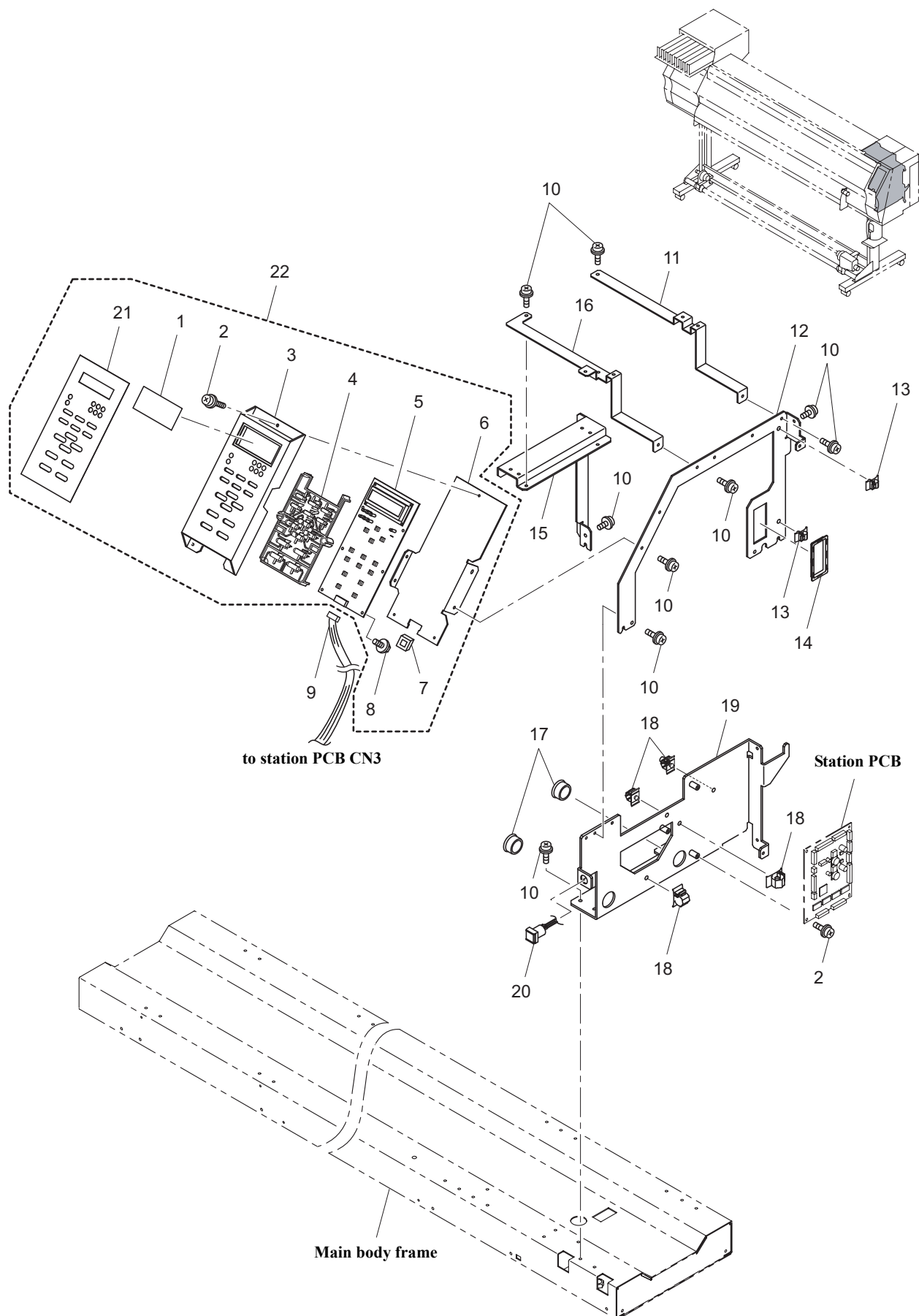


*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

LEG ASSY. (Type 2)

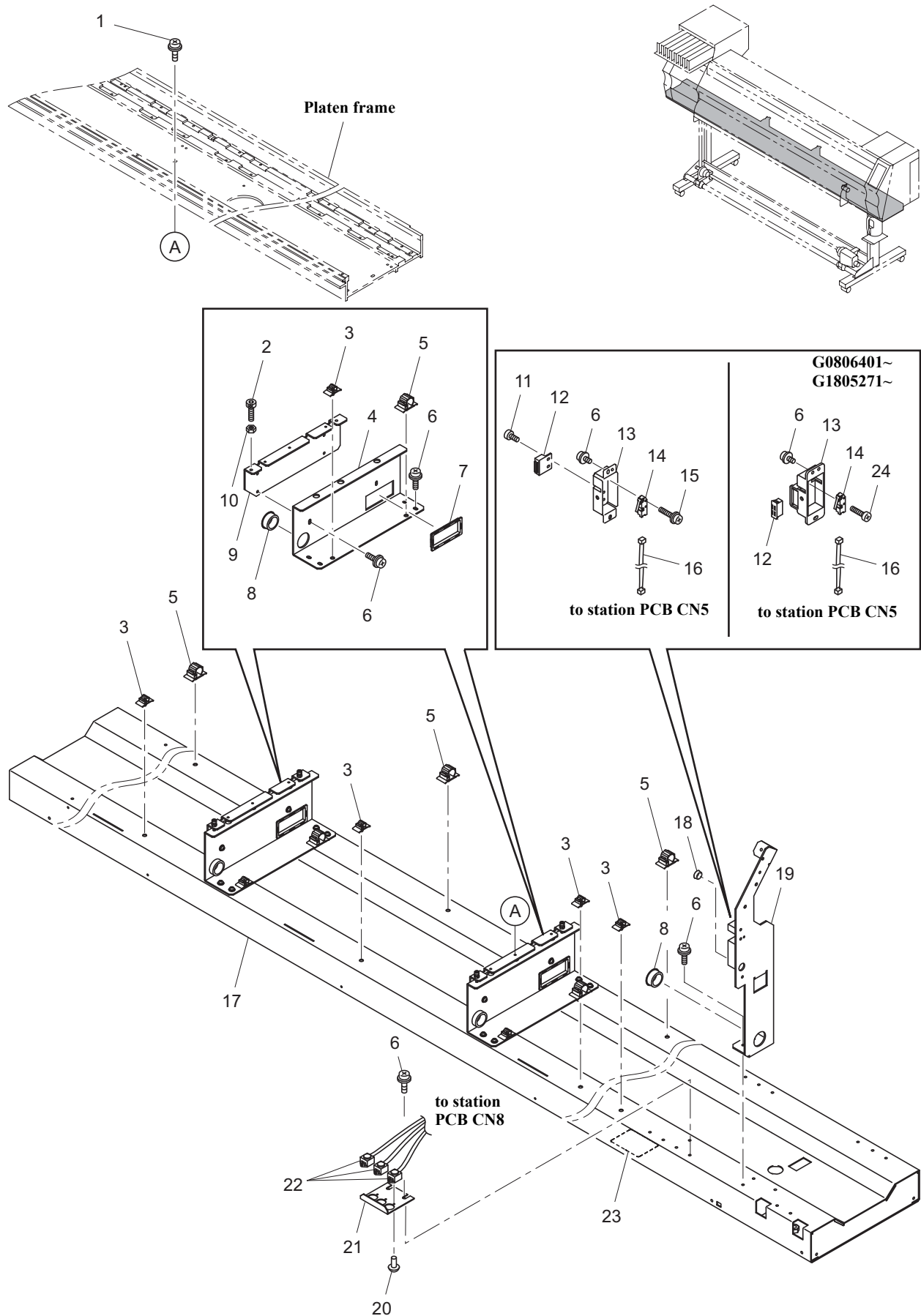


FRAME ASSY. -1/4



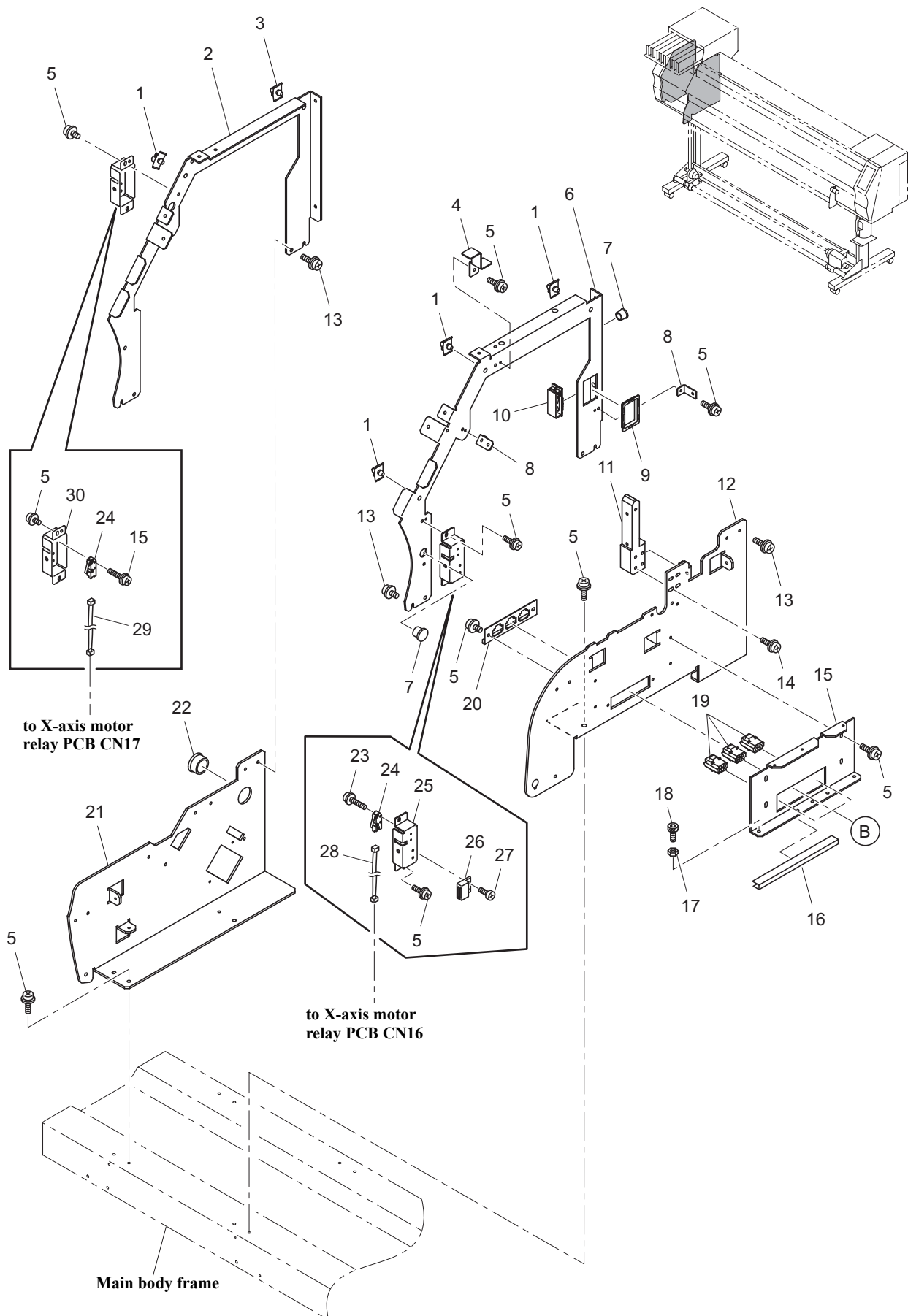


FRAME ASSY. -2/4



*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

FRAME ASSY. -3/4 (Type 1)

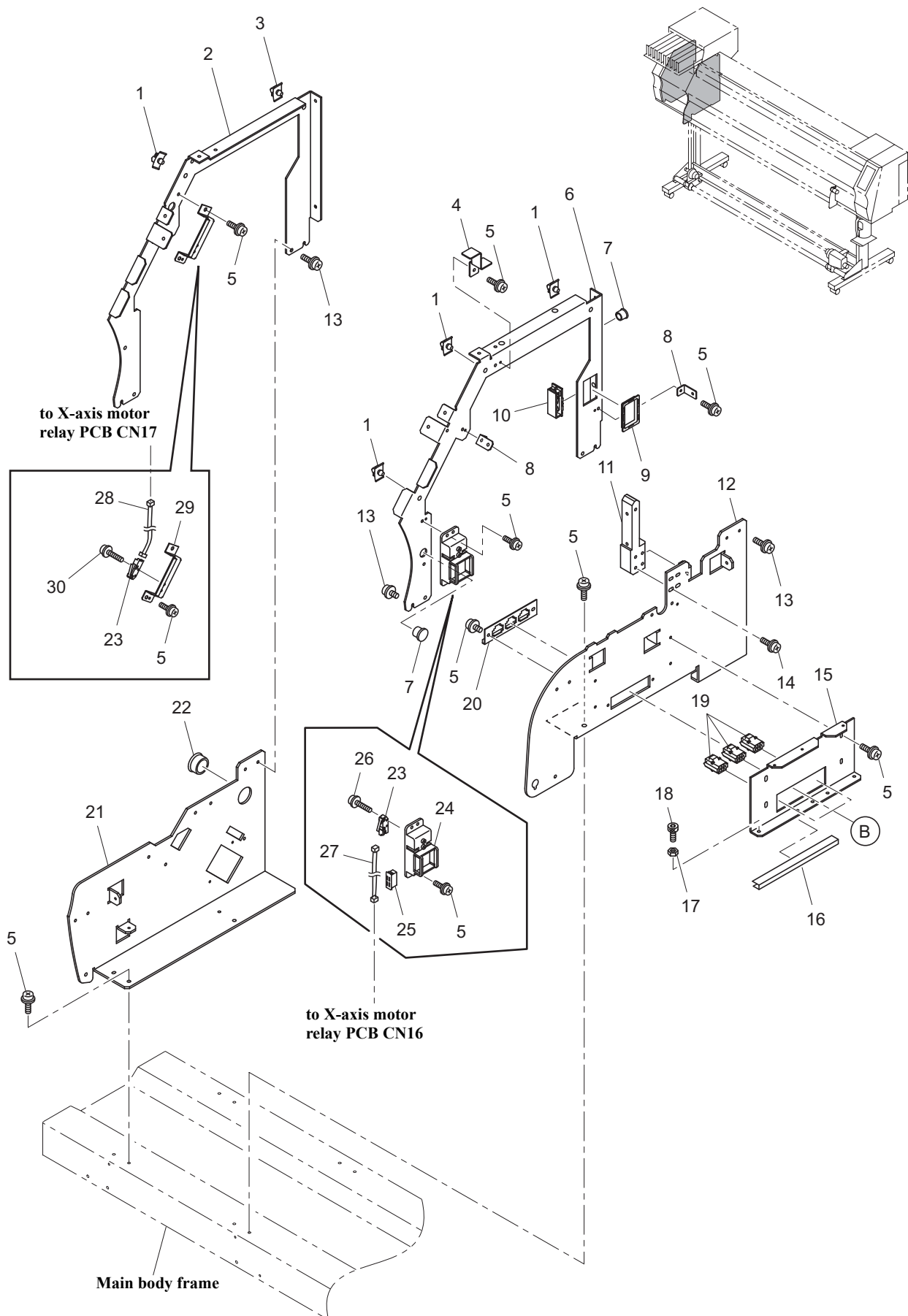


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Clamp	5	←			CSK-07-L	
2		M508769	Cartridge frame L	1	←				
3			Clamp	1	←			CKS-13-L	
4		M508779	Cover mounting bracket 2	1	←				
5			Screw	20	←			P4x12SMW	
6		M508770	Cartridge frame R	1	←				
7			Bushing	1	←			TB-0813	
8		M508778	Cover mounting bracket 1	2	←				
9			Square bushing	1	←			SB-4025	
10			Clamp	1	←			FCS-25P	
11		M400350	Y bar block	1	←				
12		M508908	P side plate L	1	←				
13			Screw	1	←			P4x12SMW	
14			Screw	4	←			CS4x12SMW	
15		M508896	P side plate AD L	1	←				
16		M602139	Edge guard L	2	←				
17			Hexagonal nut	2	←			M4	
18			Screw	2	←			CS4x16	
19		E104897	Heater junction cable 160 assy.	1	-				
		E104898	Heater junction cable 130 assy.	-	1				
20		M508888	Heater connector bracket	1	←				
21		M508864	X drive side plate	1	←				
22			Bushing TB	1	←			TB-1926	
23			Screw	2	←			P2x12SMW ~G0806400 ~G1805270	
24	B	MP-D3M-01K1-3	Micro switch	2	←				
25		M508772	Switch cover L	1	←			~G0806400 ~G1805270	
26			Magnet catch	1	←			TL-105S ~G0806400 ~G1805270	
27			Screw	2	←			B3x6 Black ~G0806400 ~G1805270	
28		E104908	Cover sensor cable L assy.	1	←				
29		E104998	Cover sensor cable MT assy.	1	←				
30		M508771	Switch cover R	1	←			~G0806400 ~G1805270	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



FRAME ASSY. -3/4 (Type 2)

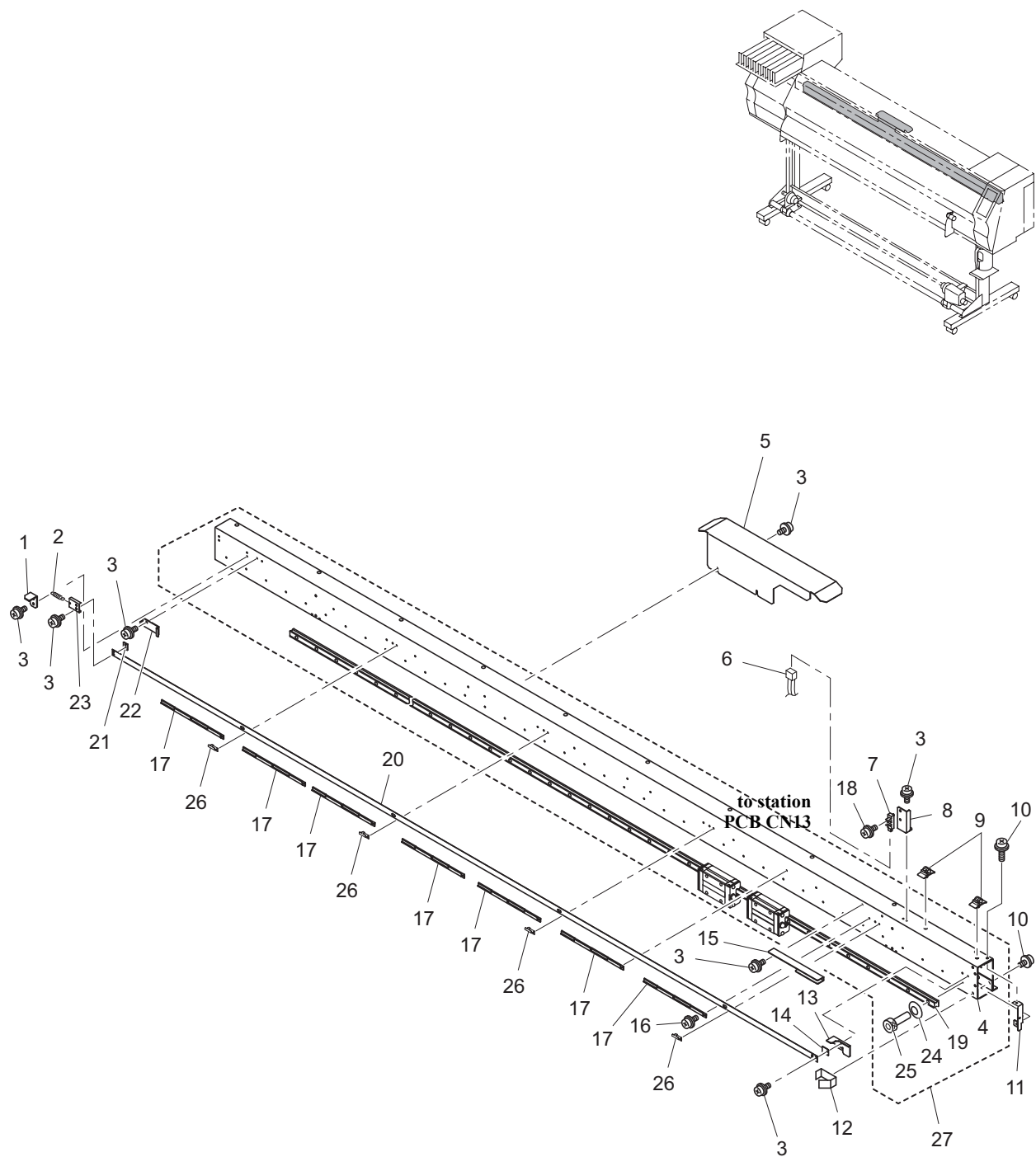


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
1			Clamp	5	←			CSK-07-L	
2		M508769	Cartridge frame L	1	←				
3			Clamp	1	←			CKS-13-L	
4		M508779	Cover mounting bracket 2	1	←				
5			Screw	20	←			P4x12SMW	
6		M508770	Cartridge frame R	1	←				
7			Bushing	1	←			TB-0813	
8		M508778	Cover mounting bracket 1	2	←				
9			Square bushing	1	←			SB-4025	
10			Clamp	1	←			FCS-25P	
11		M400350	Y bar block	1	←				
12		M508908	P side plate L	1	←				
13			Screw	1	←			P4x12SMW	
14			Screw	4	←			CS4x12SMW	
15		M508896	P side plate AD L	1	←				
16		M602139	Edge guard L	2	←				
17			Hexagonal nut	2	←			M4	
18			Screw	2	←			CS4x16	
19		E104897	Heater junction cable 160 assy.	1	-				
		E104898	Heater junction cable 130 assy.	-	1				
20		M508888	Heater connector bracket	1	←				
21		M508864	X drive side plate	1	←				
22			Bushing TB	1	←			TB-1926	
23	B	MP-D3M-01K1-3	Micro switch	2	←				
24		M602228	Switch cover	1	←			G0806401~ G1805271~	
25			Magnet catch	1	←			TL-295-2 G0806401~ G1805271~	
26			Screw	2	←			P tapping vinding 2x12 G0806401~ G1805271~	
27		E104908	Cover sensor cable L assy.	1	←				
28		E104998	Cover sensor cable MT assy.	1	←				
29		M512049	Maintenance switch cover	1	←			G1908896~ G0908086~	
30			Screw	2	←			P2x12SMW	A

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



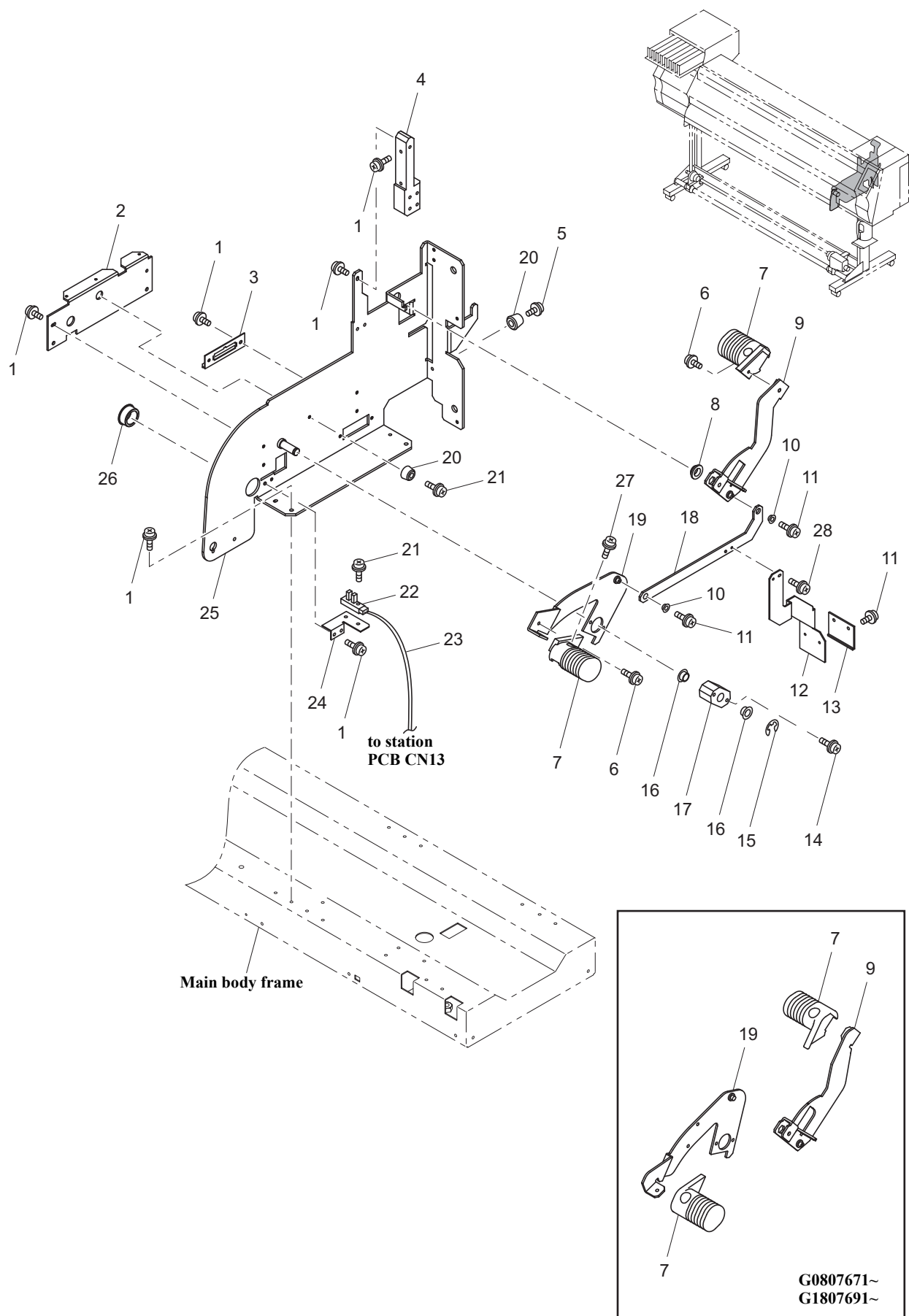
FRAME ASSY. -4/4



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*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

CLAMP ASSY. -1/2

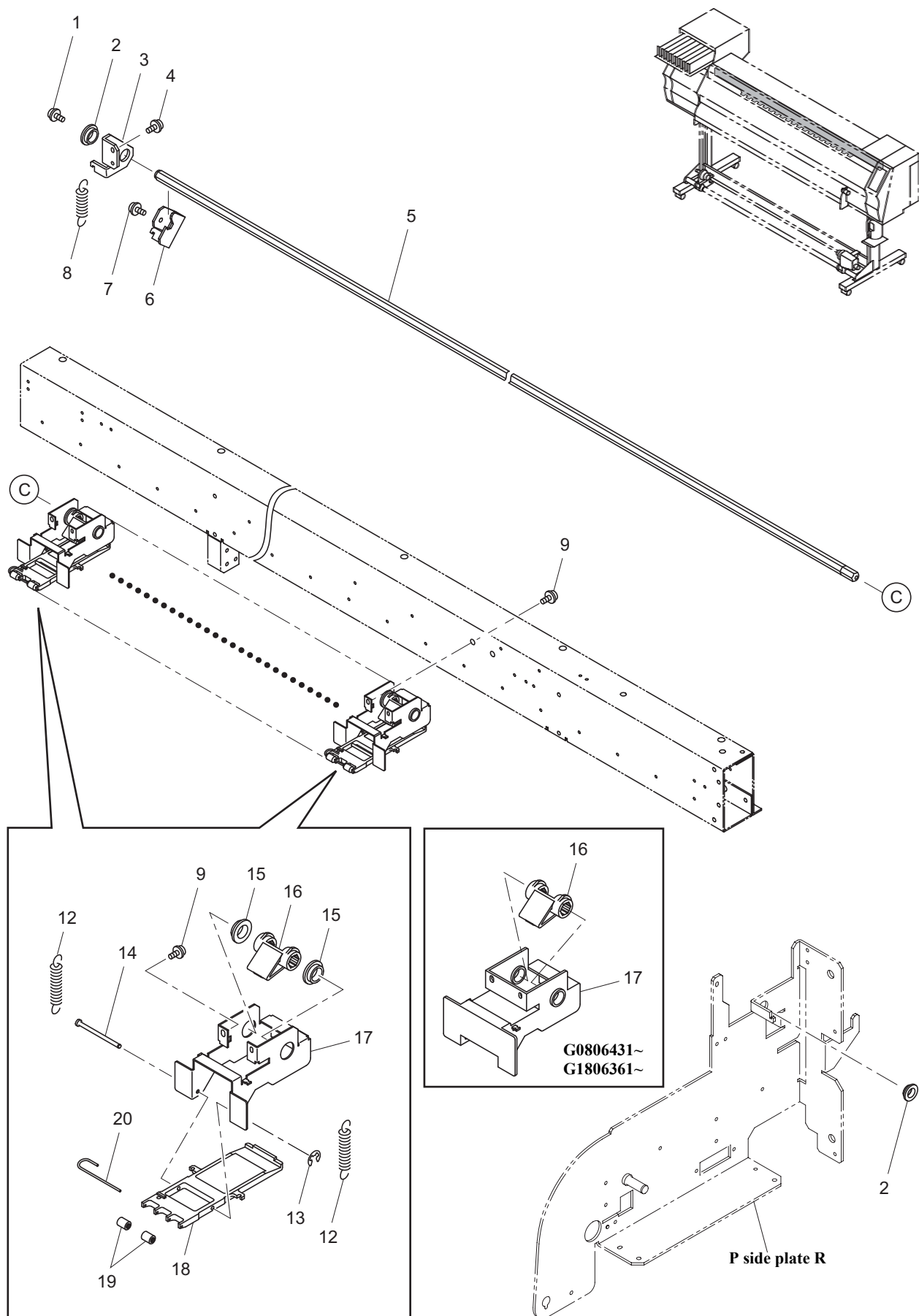


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	14	←			P4x12SMW	
2		M508863	P side plate AD R	1	←				
3		M508857	Heater junction bracket	1	←				
4		M400350	Y bar block	1	←				
5			Screw	2	←			CS4x8 Black	
6			Screw	2	←			P4x8SMW	
7		M602117	Clamp lever	2	←			~G0807670 ~G1807690	
		M602250	Clamp lever	2	←			G0807671~ G1807691~	
8		M600694	Clamp bushing	1	←				
9		M508838	CLB assy.	1	←			~G0807670 ~G1807690	
		M509811	CLB assy.	1	←			G0807671~ G1807691~	
10			Flange bushing	2	←			80F-0603	
11			Screw	4	←			P3x8SMW Black	
12		M510372	Roll stopper arm C	1	←				
13		M602116	Roll stopper arm cover	1	←				
14			Screw	2	←			P4x25SMW	
15			E-ring	1	←			E-8	
16			Flange bushing	2	←			80F-1006	
17		M400351	Clamp link block	1	←				
18		M508902	Clamp link	1	←				
19		M508837	Clamp lever assy.	1	←			~G0807670 ~G1807690	
		M509812	Clamp lever assy.	1	←			G0807671~ G1807691~	
20			Rubber feet	2	←			TK24	
21			Screw	2	←			B4x10 Black	
22	B	MP-OJ-6505-N2	Photo sensor	1	←				
23		E104923	Station sensor cable assy.	1	←				
24		M508801	Clamp sensor bracket	1	←				
25		M508907	P side plate R	1	←				
26			Bushing TB	1	←			TB-1926	
27			Screw	1	←			P4x8SMW	
28			Screw	2	←			P4x10SMW Black	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



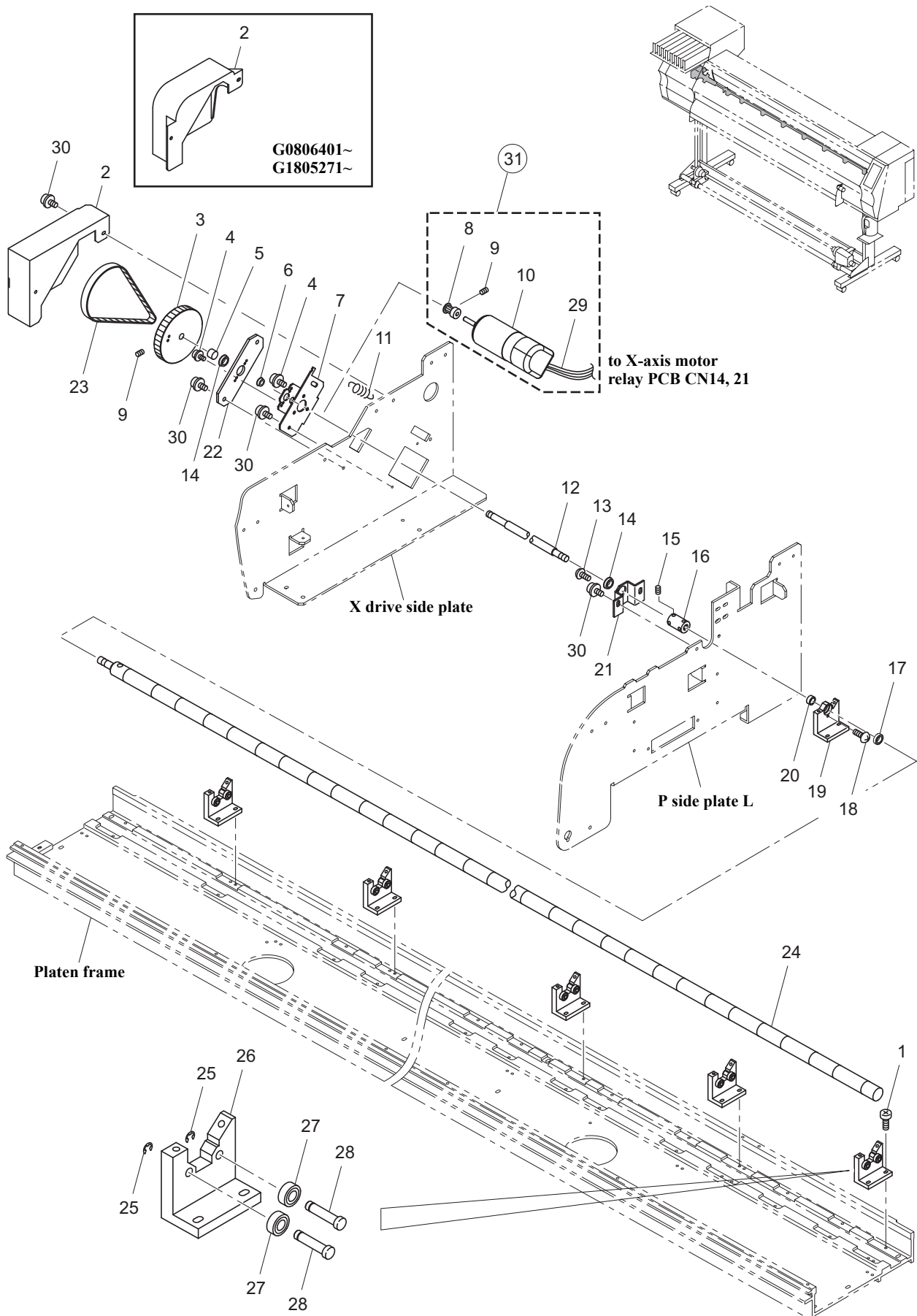
CLAMP ASSY. -2/2



[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

X DRIVE ASSY.

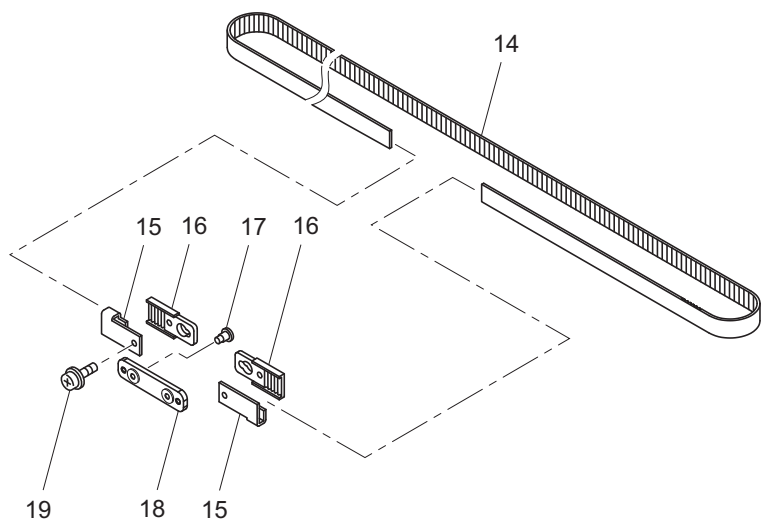
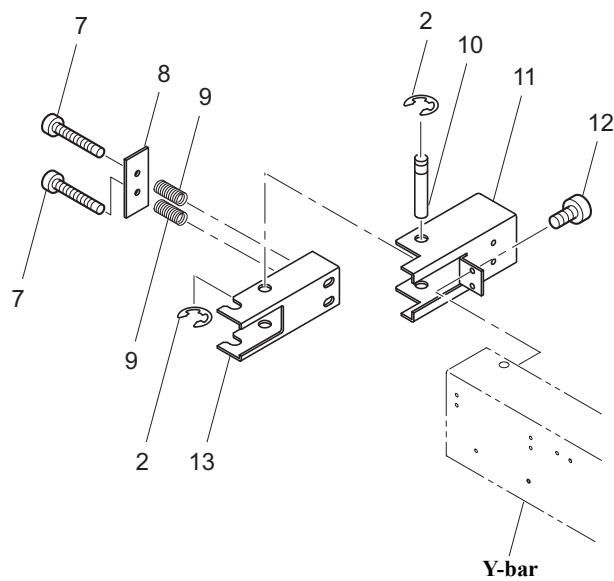
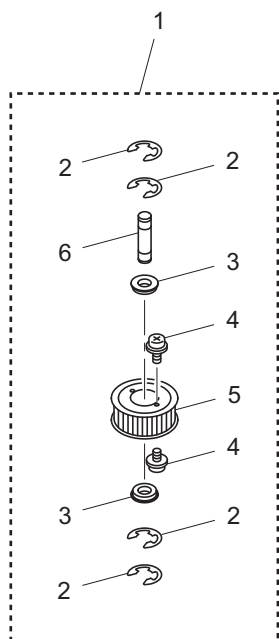


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	16	14			P3x10SMW	
2		M509215	X pulley cover	1	←			~G0806400 ~G1805270	
		M602226	X pulley cover	1	←			G0806401~ G1805271~	
3		M203155	TN15-160 pulley	1	←				
4			Screw	5	←			P3x8SMW	
5			Bushing	1	←			φ8, L=8.0	
6			Bearing	1	←			MF105ZZ	
7		M508901	XM bracket	1	←				
8		M203154	TN15-20 pulley	1	←				
9			Hexagon socket head screw	5	←			SSWP4x4 Black	
10		E300532	Servo motor assy. (X)	1	←				
11		M800977	X belt tension spring	1	←				
12		M205621	Joint shaft	1	←				
13			Screw	1	←			P3x6SMW	
14			Bearing	2	←			MF148ZZ	
15			Hexagon socket head screw	4	←			SSWP4x4 Black	
16		M205126	PF coupling	1	←				
17			Bearing	1	←			MR148ZZ	
18			Screw	1	←			B3x6Ni	
19		M400347	BR holder 33 SL	1	←				
20			Bushing	1	←			φ8, L=5.0	
21		M508898	XBR holder bracket 33	1	←				
22		M508899	X pulley bracket	1	←				
23	B	MP-250TN15-10	Synchro belt TN	1	←				
24		M205620	PF roller 160 S	1	-				
		M205676	PF roller 130 S	-	1				
25			E-ring	14	12			E-2.5	
26		M400346	BR holder 33 S	7	6				
27			Bearing	14	12			623ZZ	
28		M205617	BR holder shaft 33	14	12				
29		E104907	X-axis motor junction cable assy.	1	←				
30			Screw	8	←			P4x12SMW	
31	B	MP-M007619	X-axis motor assy. 33	1	←				

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



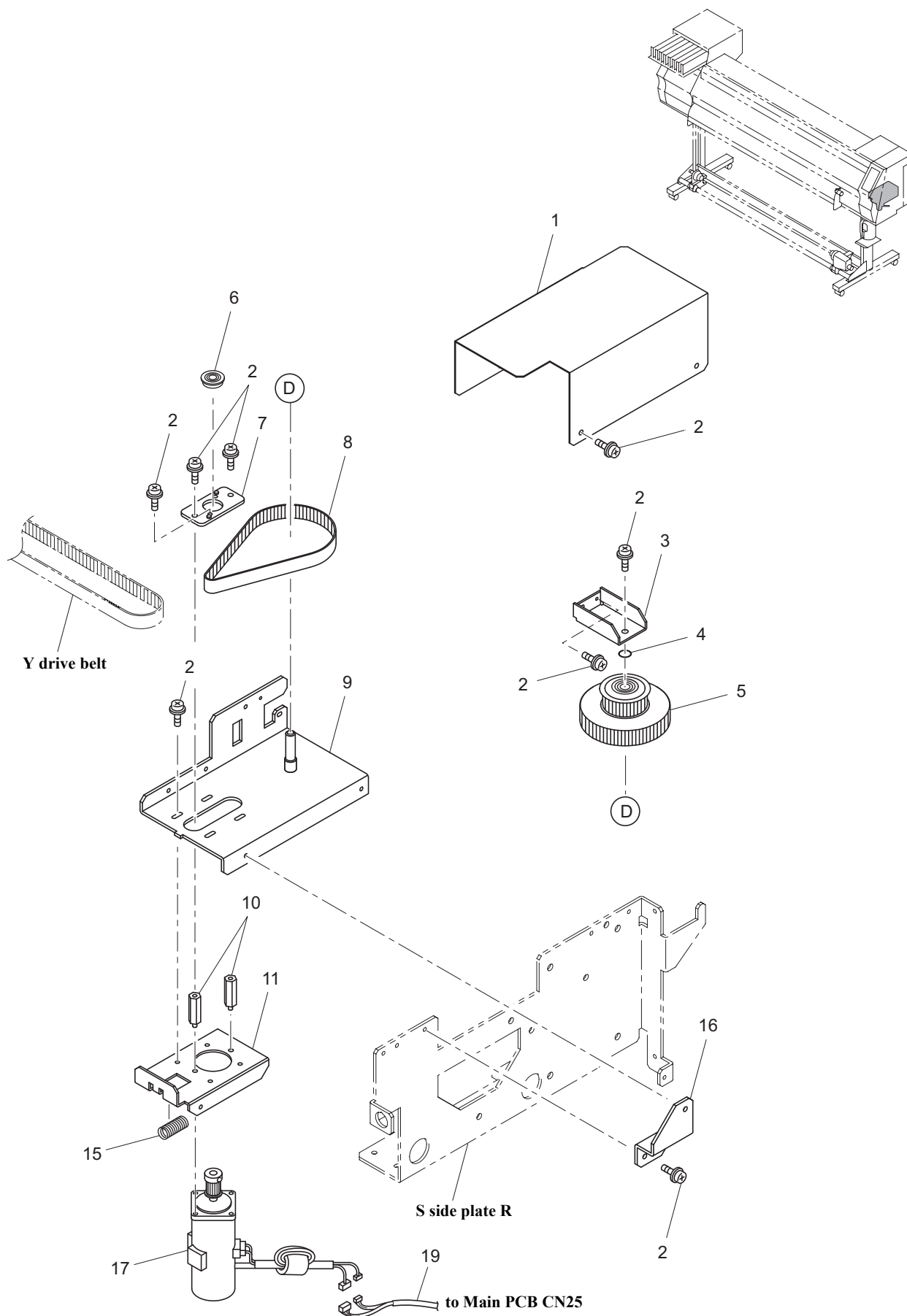
Y DRIVE ASSY. -1/2



[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

Y DRIVE ASSY. -2/2

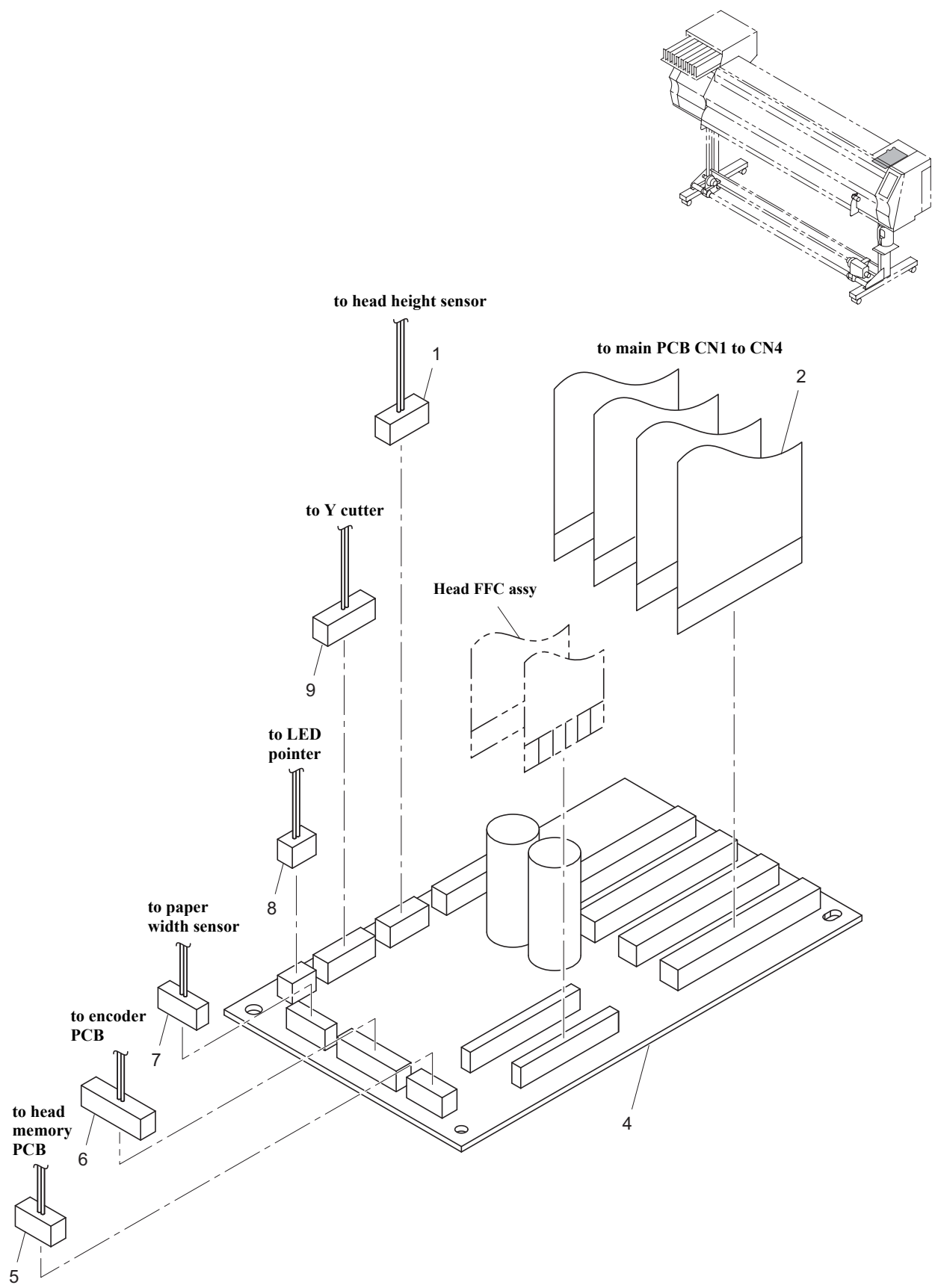


[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

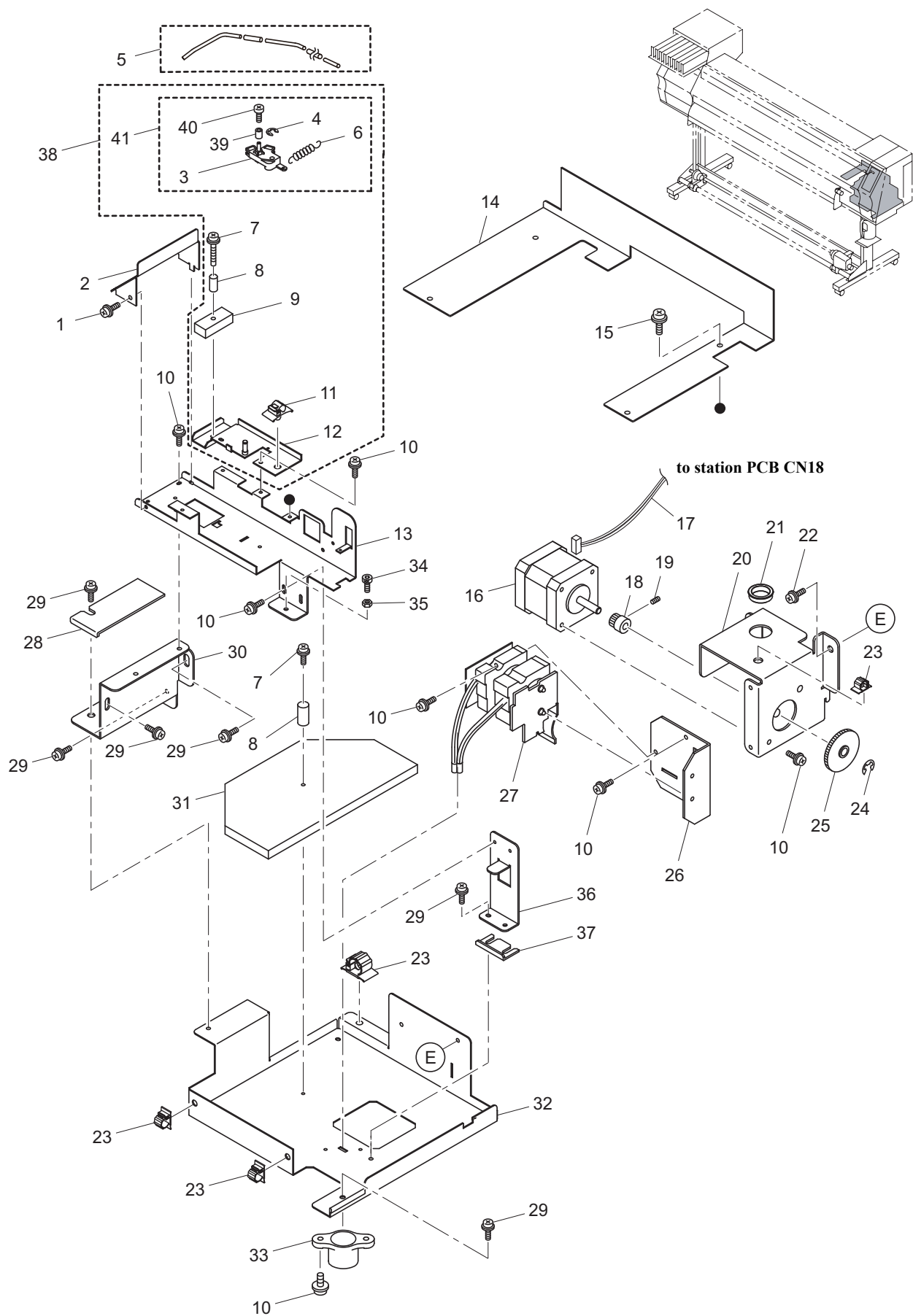
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

INK SLIDER PCB



*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

STATION ASSY. -1/2 (Type 1)

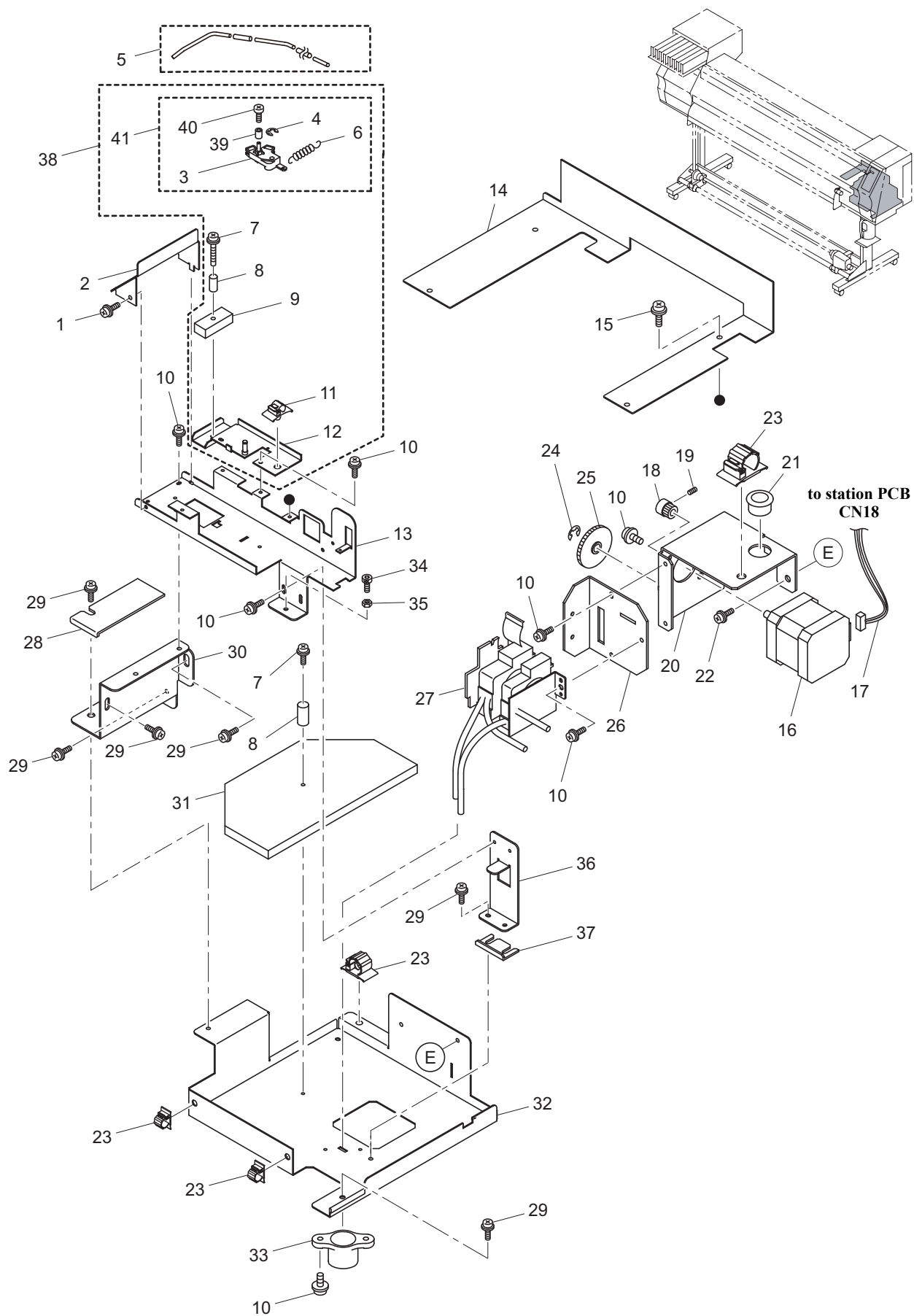


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	1	←			P3x8SMW	
2		M508891	Double ink guard	1	←				
3		M602090	PC pipe bracket	1	←			~G0807640 ~G1807660	
4			E-ring	1	←			E-3	
5		M008119	PC pipe tube assy.	1	←			~G0807640 ~G1807660	C
6		M800970	PC release spring	1	←				
7			Screw	2	←			P3x14SMW	
8			Roll collar	2	←			φ3x10	
9		M905215	PC pipe soak up pad	1	←				
10			Screw	6	←			P3x6SMW	
11			Clamp	1	←			CKS-07-L	
12		M508885	PC base bracket	1	←			~G0807640 ~G1807660	
13		M508785	CP station base	1	←				
14		M508789	Station cover 2	1	←				
15			Screw	4	←			P3x8SMW Black	
16	B	MP-E300495	Stepping motor	1	←			or E300495	
17		E104920	Pump motor cable assy.	1	←				
18		M400210	Pump motor gear	1	←				
19			Hexagon socket head screw	1	←			SSWP3x3 Black	
20		M508787	Pump motor bracket	1	←			~G0804190 ~G1804940	
21			Bushing	1	←			TB-1116	
22			Screw	6	←			P4x12SMW	
23			Clamp	7	←			CKS-13-L	
24			E-ring	1	←			E-4	
25		M601044	Pump-middle gear	1	←				
26		M508887	Pump bracket	1	←				
27	A	MP-M004868	S pump L assy.	1	←				
28		M508892	W-bracket spacer	1	←				
29			Screw	12	←			P4x12SMW	
30		M508906	Station bracket	1	←				
31	B	MP-M800971	Station soak up pad	1	←				
32		M508905	Station assy. tray	1	←				
33		M400263	Tube end	1	←				
34			Screw	1	←			CS4x16	
35			Nut	1	←			M4	
36		M508894	CP station base angle 2	1	←				
37		M509067	CP-S angle spacer	1	←				
38	A	MP-M007390	Pump cleaning assy.	1	←			Type 2 common	
39		EP-8	Spacer	1	←			G0807641~ G1807661~	
40			Screw	1	←			B2x4 G0807641~ G1807661~	
41		M008120	PC pipe BKT assy.	1	←				

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



STATION ASSY. -1/2 (Type 2)

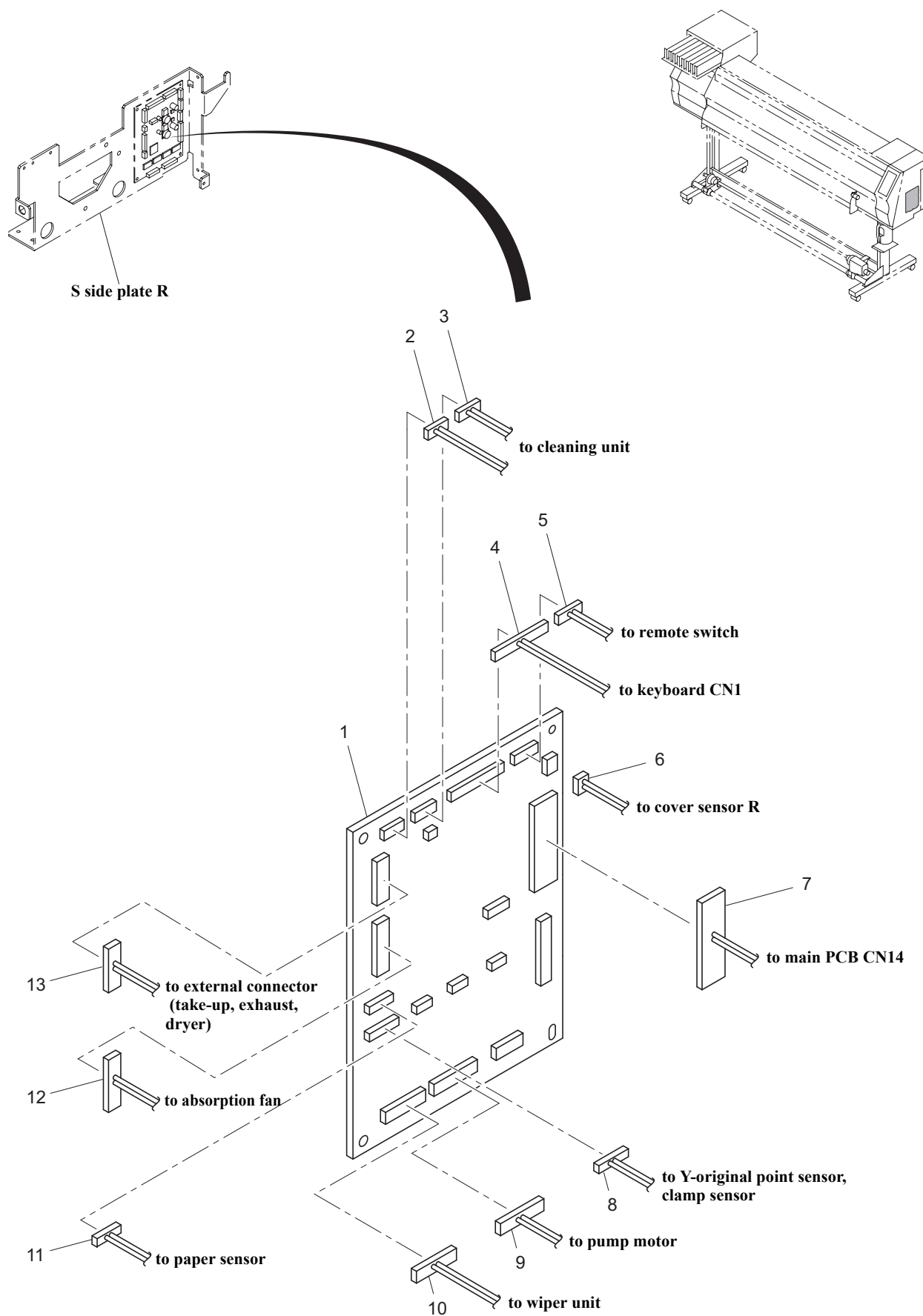


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	1	←			P3x8SMW	
2		M508891	Double ink guard	1	←				
3		M602090	PC pipe bracket	1	←			G0807641~ G1807661~	
4			E-ring	1	←			E-3	
5		M008119	PC pipe tube assy.	1	←			G0807641~ G1807661~	
6		M800970	PC release spring	1	←				
7			Screw	2	←			P3x14SMW	
8			Roll collar	2	←			φ3x10	
9		M905215	PC pipe soak up pad	1	←				
10			Screw	6	←			P3x8SMW	
11			Clamp	1	←			CKS-07-L	
12		M508885	PC base bracket	1	←			G0807641~ G1807661~	
13		M508785	CP station base	1	←				
14		M508789	Station cover 2	1	←				
15			Screw	4	←			P3x8SMW Black	
16	B	MP-E300513	Stepping motor	1	←			or E300495	
17		E104920	Pump motor cable assy.	1	←				
18		M400210	Pump motor gear	1	←				
19			Hexagon socket head screw	1	←			SSWP3x3 Black	
20		M509826	Pump motor bracket α	1	←			G0804191~ G1804941~	
21			Bushing	1	←			TB-1116	
22			Screw	6	←			P4x12SMW	
23			Clamp	7	←			CKS-13-L	
24			E-ring	1	←			E-4	
25		M601044	Pump-middle gear	1	←				
26		M508887	Pump bracket	1	←				
27	A	MP-M004868	S pump L assy.	1	←				
28		M508892	W-bracket spacer	1	←				
29			Screw	12	←			P4x12SMW	
30		M508906	Station bracket	1	←				
31	B	MP-M800971	Station soak up pad	1	←				
32		M508905	Station assy. tray	1	←				
33		M400263	Tube end	1	←				
34			Screw	1	←			CS4x16	
35			Nut	1	←			M4	
36		M508894	CP station base angle 2	1	←				
37		M509067	CP-S angle spacer	1	←				
38	A	MP-M007390	Pump cleaning assy.	1	←				
39		EP-8	Spacer	1	←			G0807641~ G1807661~	
40			Screw	1	←			B2x4 G0807641~ G1807661~	
41		M008120	PC pipe BKT assy.	1	←				

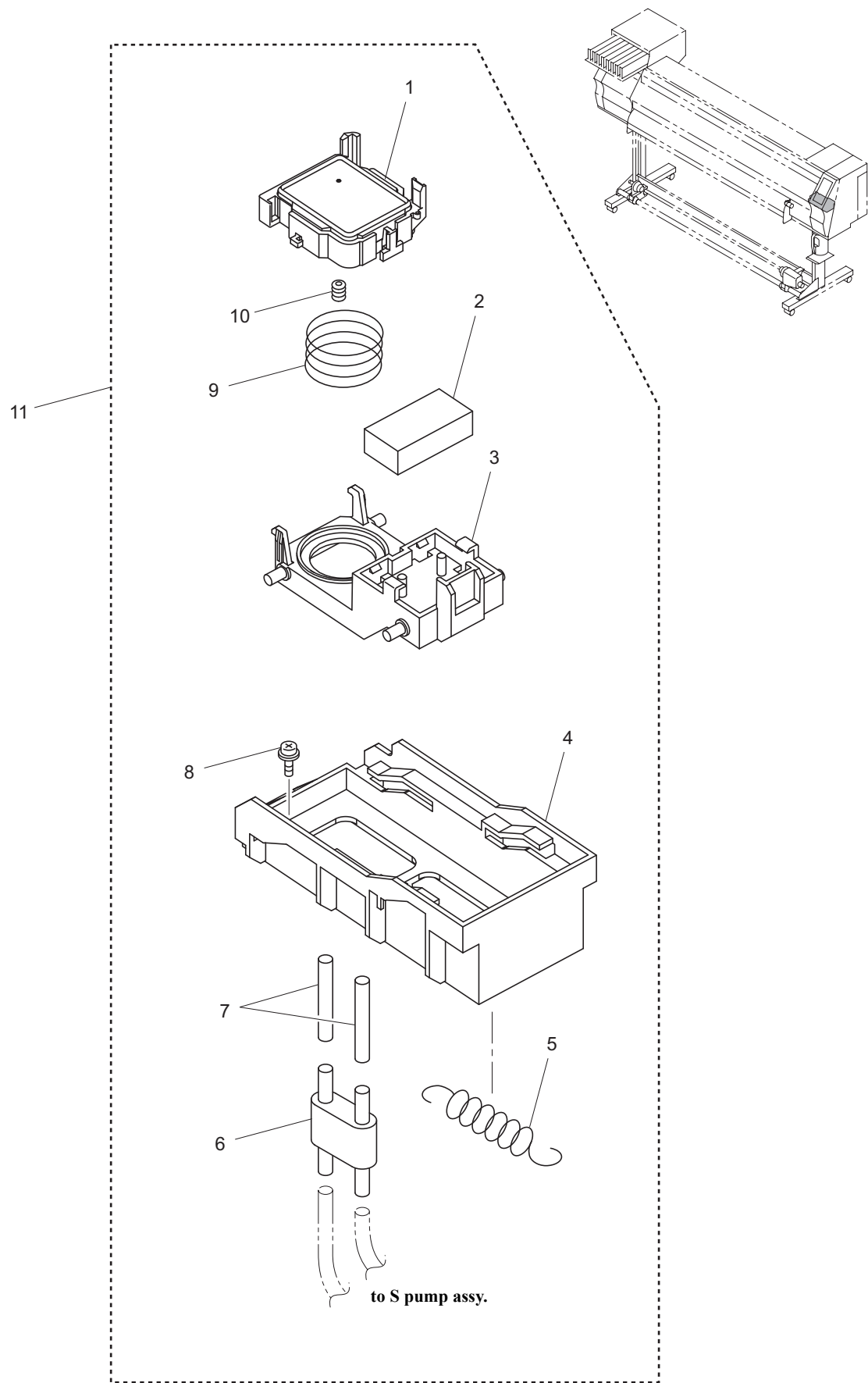
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



STATION ASSY. -2/2



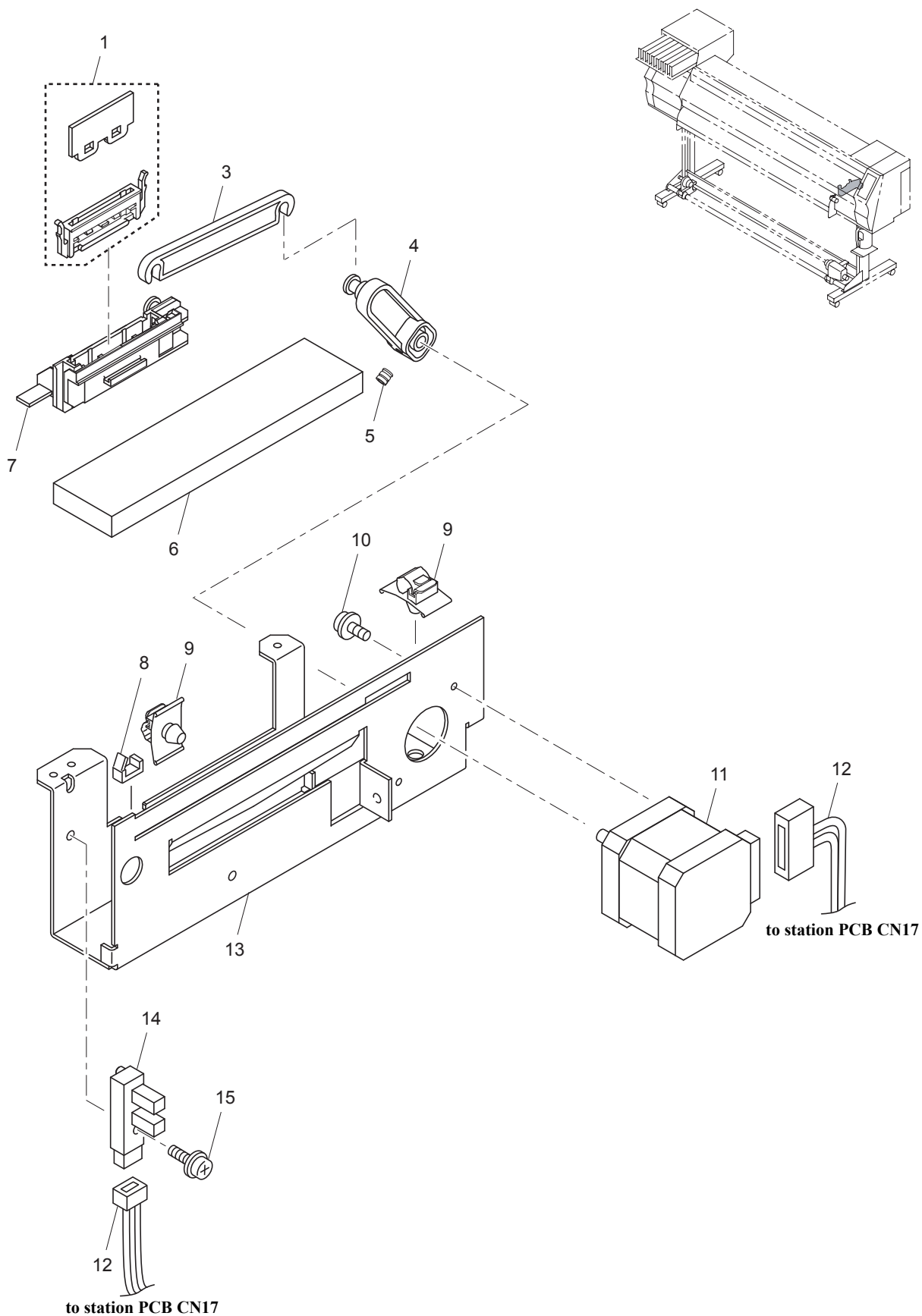
CAP BASE ASSY.



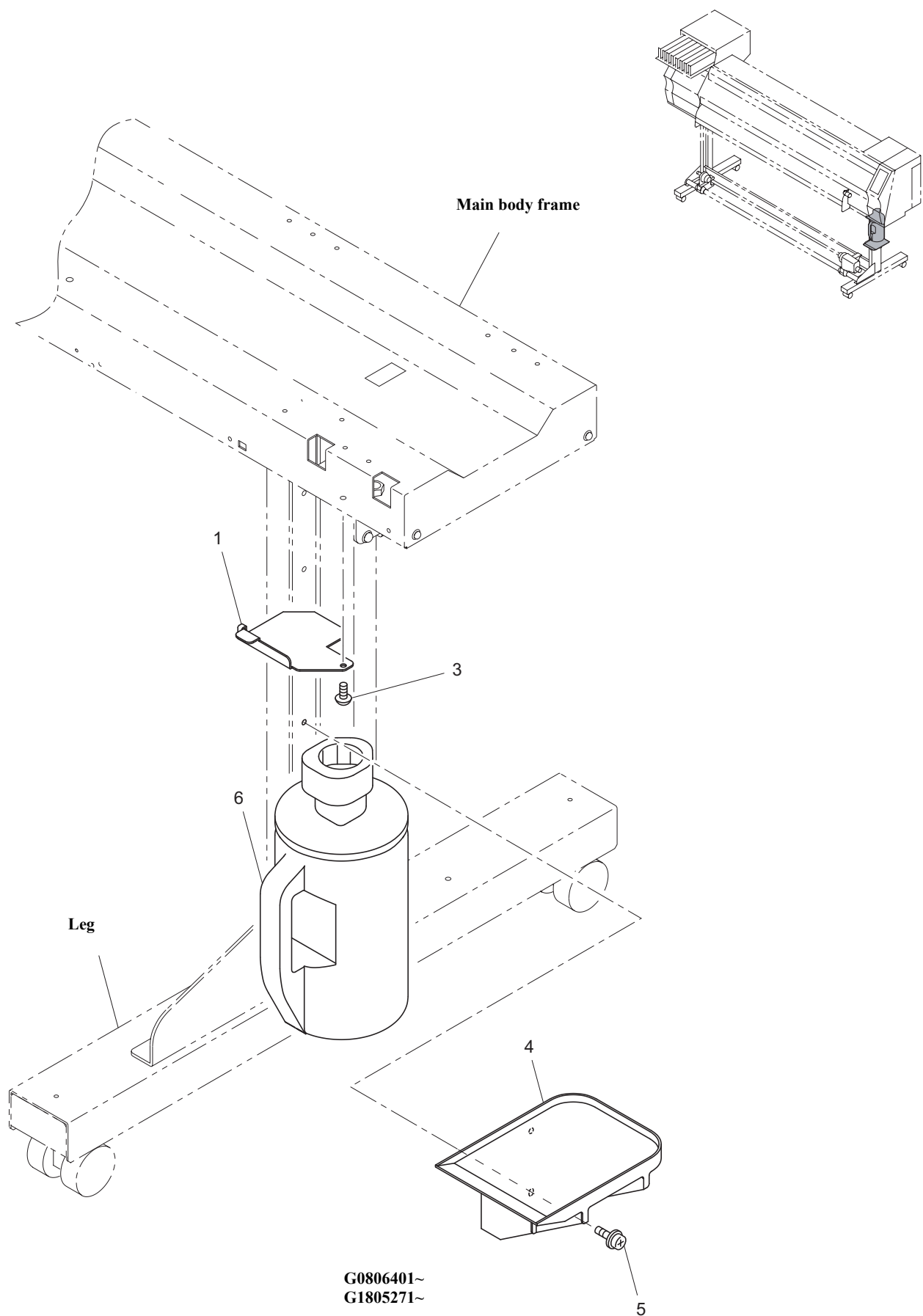
[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

WIPER ASSY.

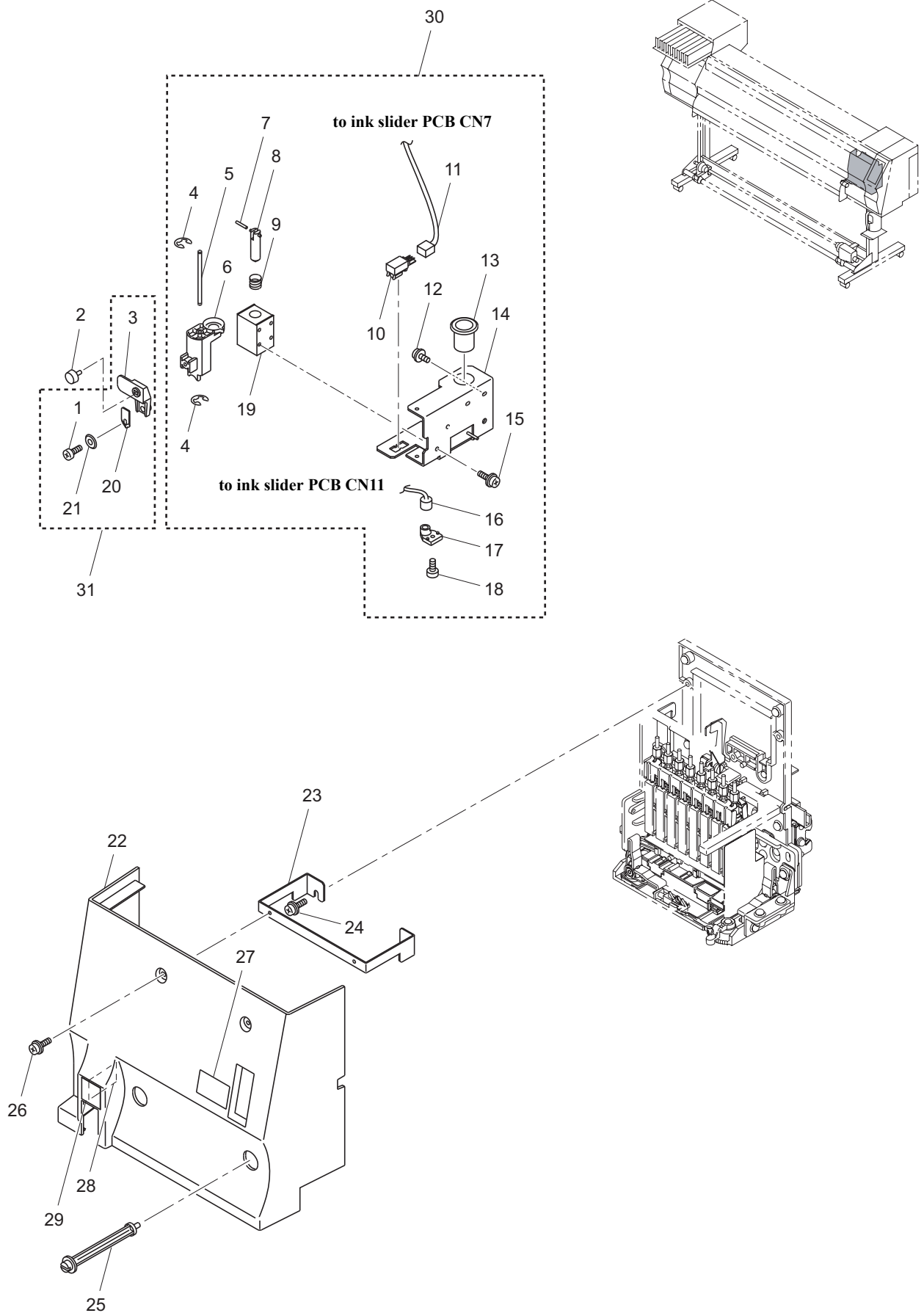


WASTE INK TANK ASSY.



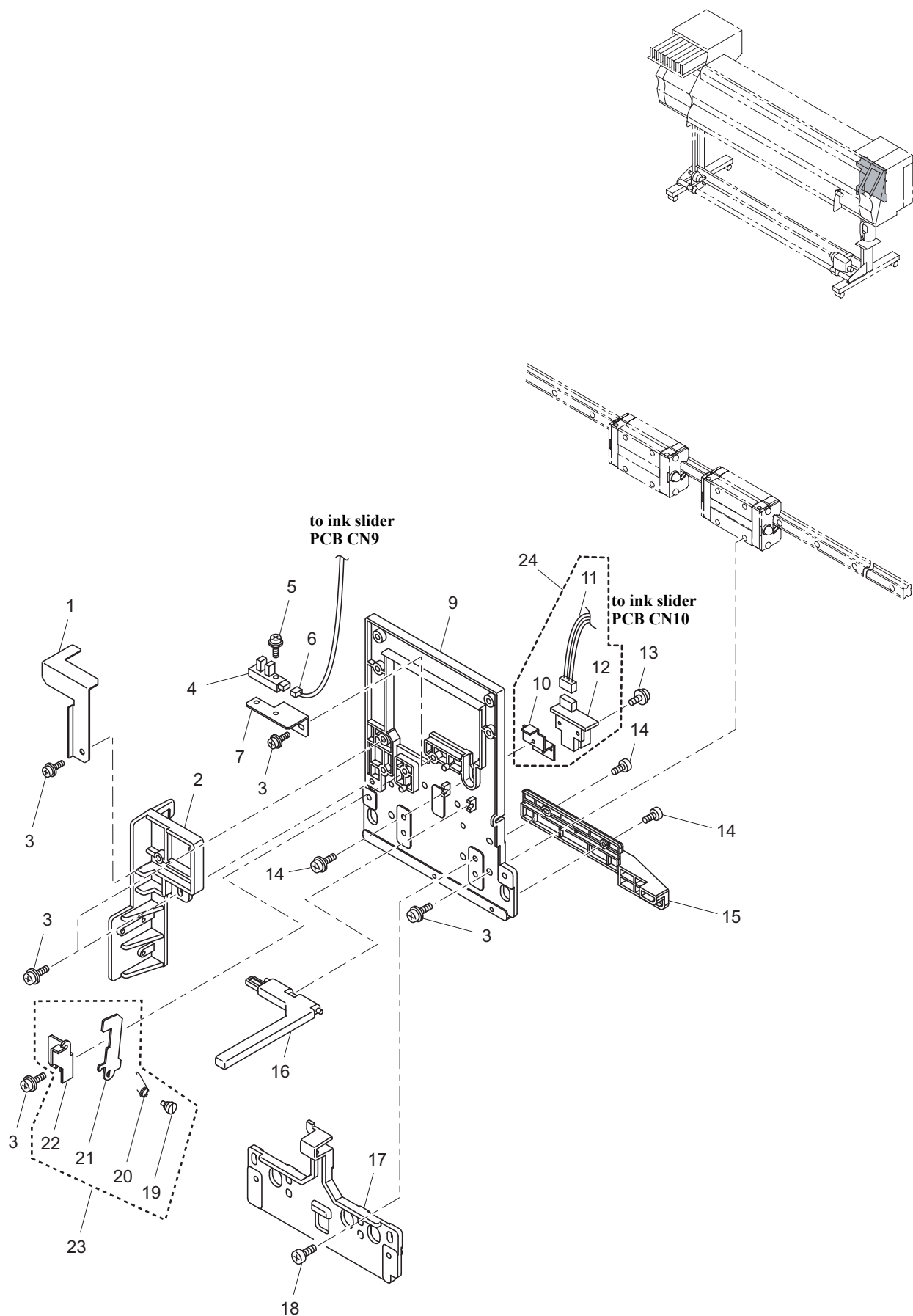
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

HEAD ASSY. -1/4

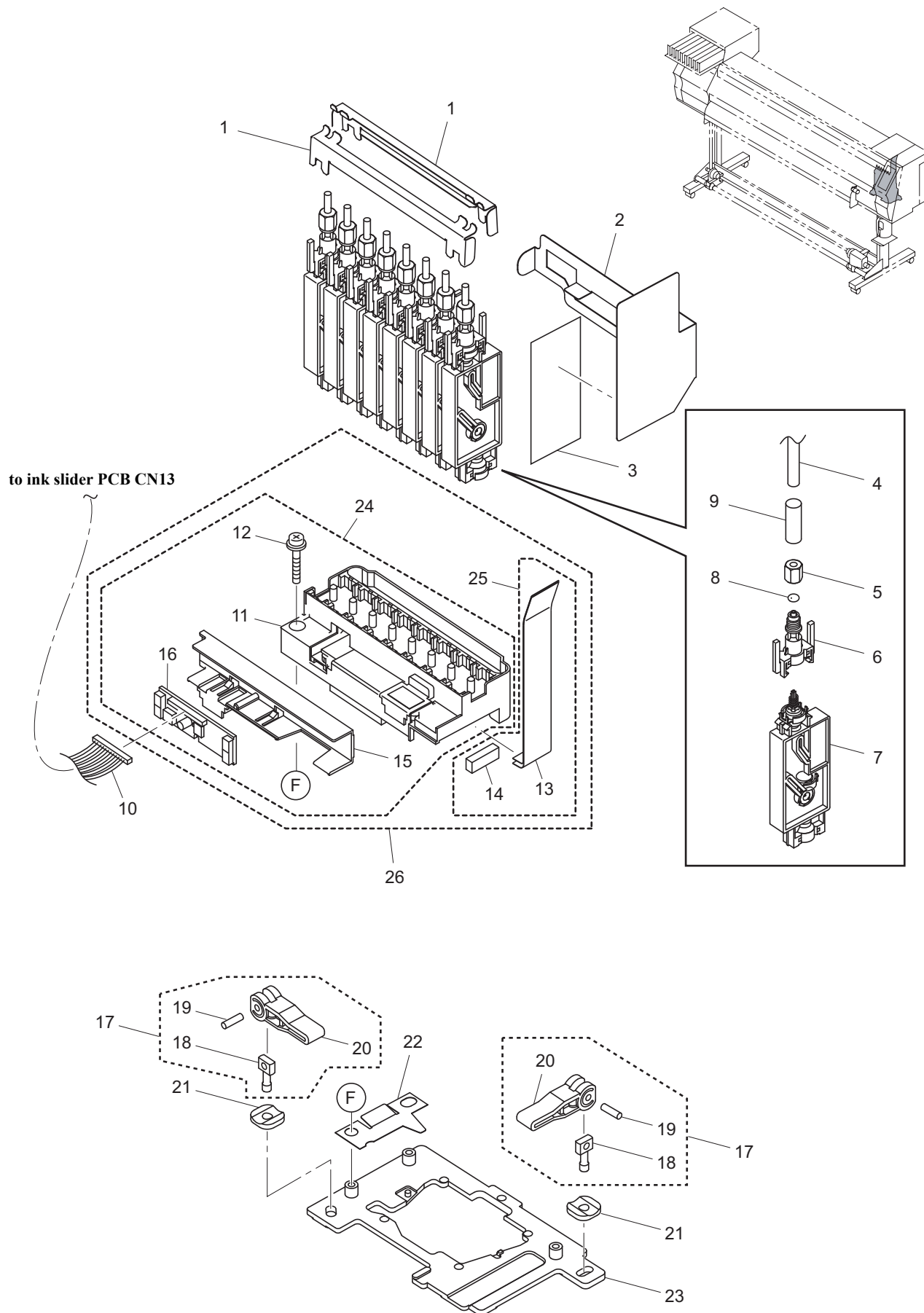


*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

HEAD ASSY. -2/4



HEAD ASSY. -3/4

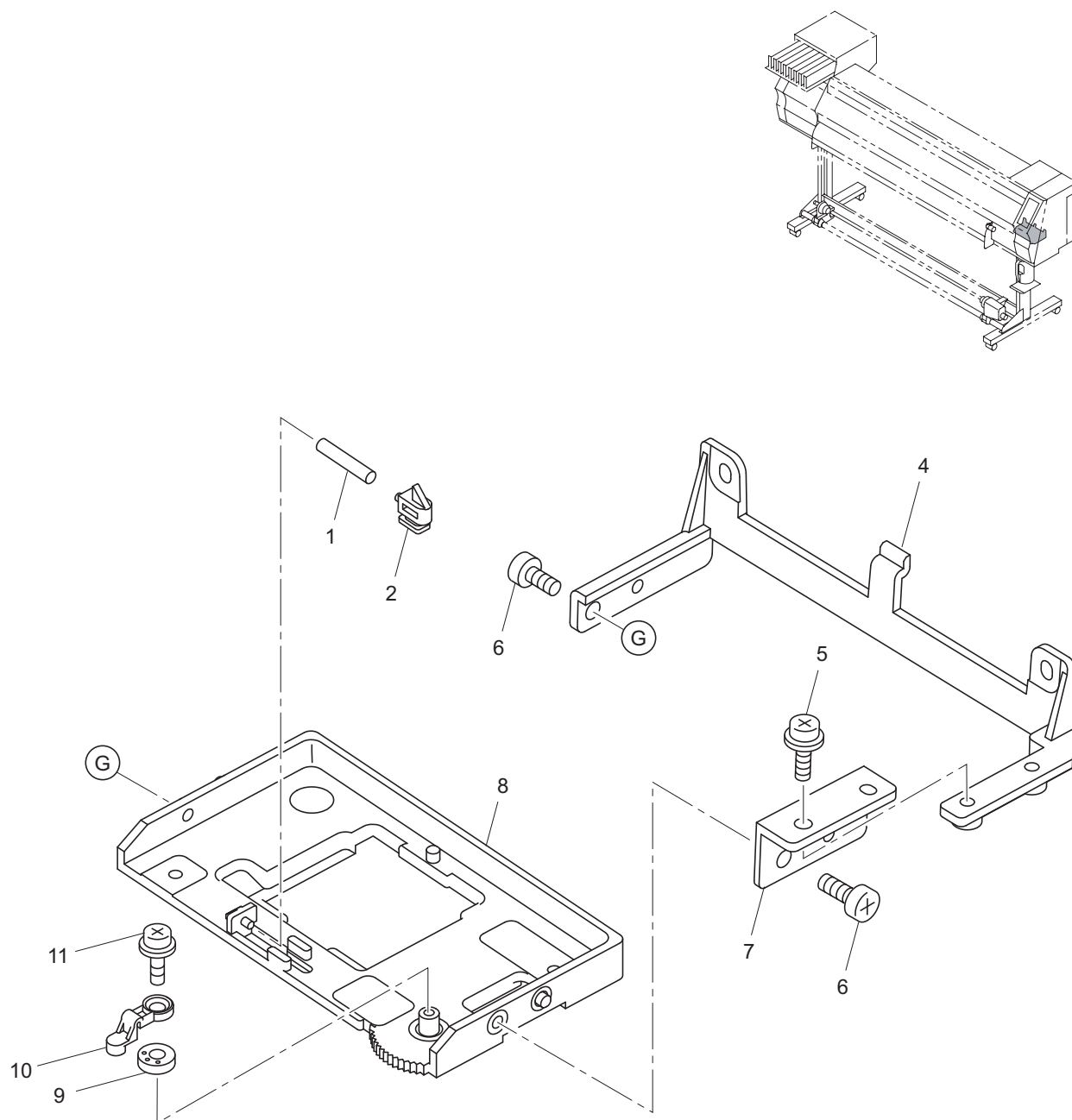


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1		M800894	Damper lock SP	2	←				
2		M507370	Head unit holder B	1	←				
3			Acetate cloth adhesive tape	1	←			570F(W40x30M)	
4		1080249	Tube	8	←			φ2	
5		1033482	Joint screw	8	←			M6	
6	B	MP-M006954	Joint valve assy.	8	←				
7	A	MP-M006579	Compression damper SP assy.	8	←				
8	B	MP-M700326	RS O-ring φ2.16*1.4	8	←			φ2.16x1.4 (for φ2 tube)	
9		M904096	Ink tube tag 1-1	1	←				
		M904097	Ink tube tag 1-2	1	←				
		M904098	Ink tube tag 1-3	1	←				
		M904099	Ink tube tag 1-4	1	←				
		M904100	Ink tube tag 1-5	1	←				
		M904101	Ink tube tag 1-6	1	←				
		M904102	Ink tube tag 1-7	1	←				
		M904103	Ink tube tag 1-8	1	←				
10		E104933	Head memory cable assy.	1	←				
11		F1710210000	Print head 47V	1	←				
12			Screw	3	←			P3x10SMW	
13		E300540	Head FFC assy.	1	←				
14		M904731	Absorber HD	1	←				
15		M601869	ID PCB cover	1	←				
16	B	MP-E104428	Head memory PCB	1	←				
17		M007338	AD locking lever assy.	2	←				
18		M400349	AD locking stopper 2	2	←				
19		M205603	Locking lever shaft	2	←				
20		M602120	AD locking lever	2	←				
21		M602121	AD locking spacer	2	←				
22		M507834	Head earth plate	1	←				
23		M400338	AD plate	1	←				
24	B	MP-M007947	IH47V-2-G head unit assy.	1	←				
25	B	MP-M007622	Head FFC Assy. 33	1	←				
26		M008551	IH47V-2-G packing assy. for JV33	1	←				

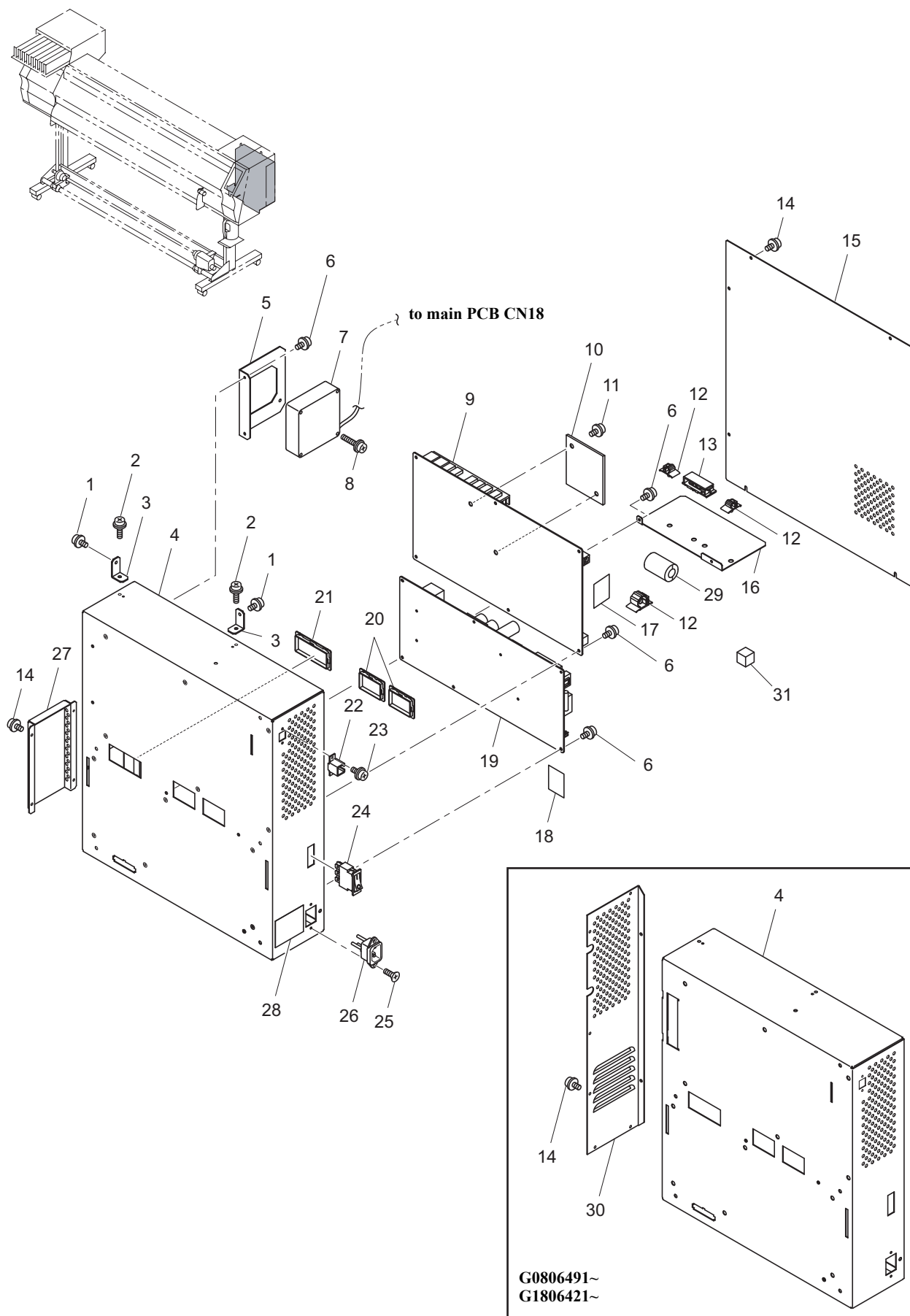
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



HEAD ASSY. -4/4



ELECTRICAL UNIT ASSY. -1/2

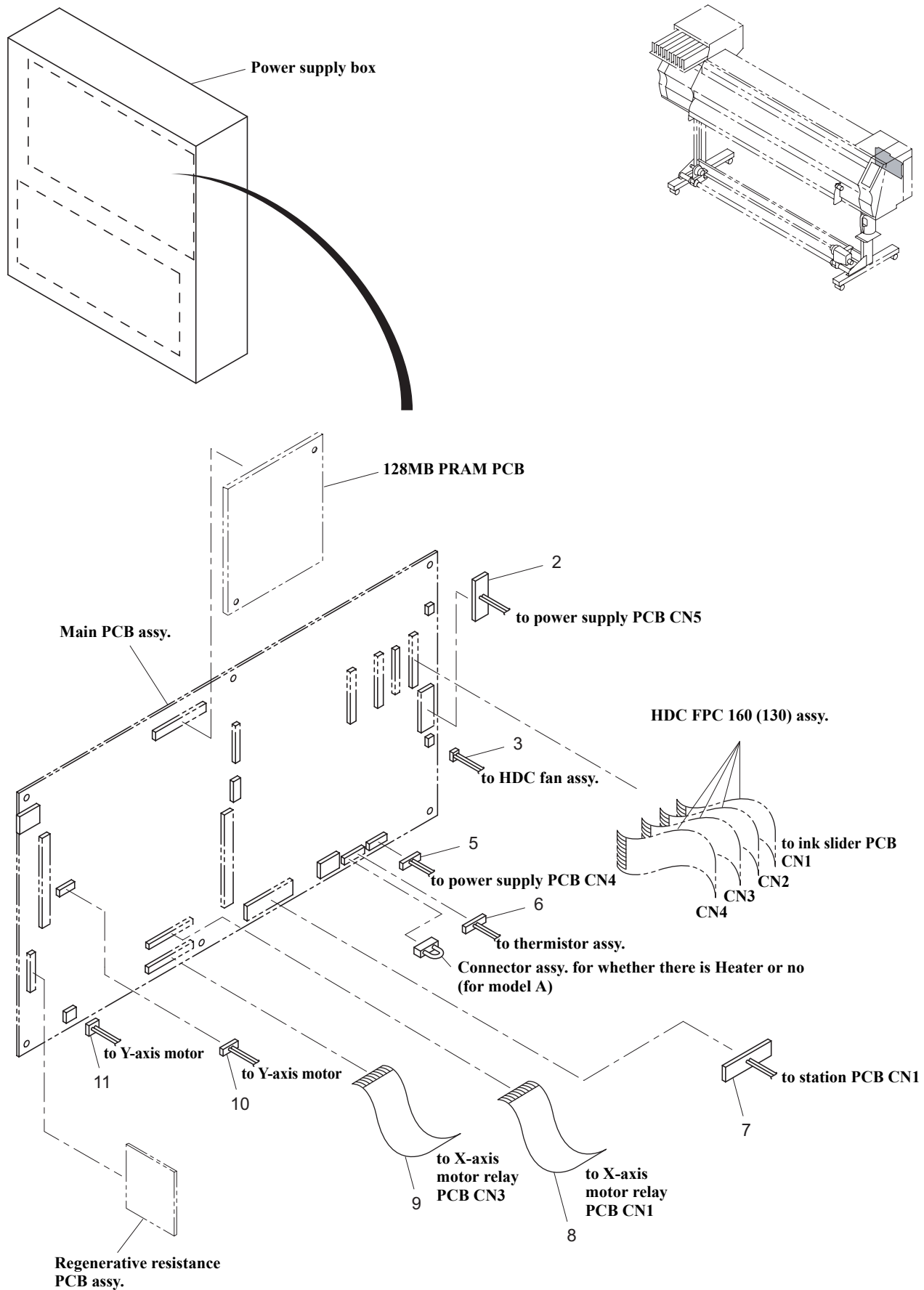


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	6	←			P4x10SMW	
2			Screw	2	←			P4x12SMW	
3		M508778	Cover mounting bracket 1	2	←				
4		M508757	Power unit box	1	←			~G0806490 ~G1806420	
		M510052	Power unit box	1	←			G0806491~ G1806421~	
5		M508835	Fan mounting plate	1	←			~G0806490 ~G1806420	
6			Screw	16	←			P3x8SMW	
7	B	MP-E104939	HDC fan assy.	1	←				
8			Screw	2	←			P4x30SMW	
9	B	MP-E105997	Main PCB assy.	1	←				
	B	MP-E105998	Main PCB B assy.	1	←			or E105454 (BS exclusive PCB)	
10	B	MP-E103819	PRAM PCB	1	←			CN7	
11			Screw	2	←			P3x8SMW	
12			Clamp	2	←			CKS-13-L	
13			Block core	1	←			BCN-26	
14			Screw	12	←			P3x8SMW Black	
15		M508855	Power unit box cover	1	←				
16		M508764	Partition plate	1	←				
17	B	MP-E104876	Regenerative resistance PCB assy.	1	←				
18		M903406	Protective earth face plate	1	←				
19	B	MP-E300474	Power unit PCB	1	←				
20			Square bushing	2	←			SB-4025	
21			Square bushing	1	←			SB-6025	
22		M505353	Connector cover	1	←				
23			Screw	2	←			B3x6 Black	
24			Lock switch	1	←			AJ921002WW3F	
25			Screw	2	←			F3x8 Black	
26		E104895	Inlet assy.	1	←				
27		M508765	Vent cover	1	←			~G0806490 ~G1806420	
28		M905202	Power supply plate JV33	1	..				
29			Noise cut core	1	←			E04SR211132	
30		M510053	Power unit box vent cover	1	←			G0806491~ G1806421~	
31	B	MP-E106241	Connector assy. for whether there is Heater or not	1	←			A model exclusive	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



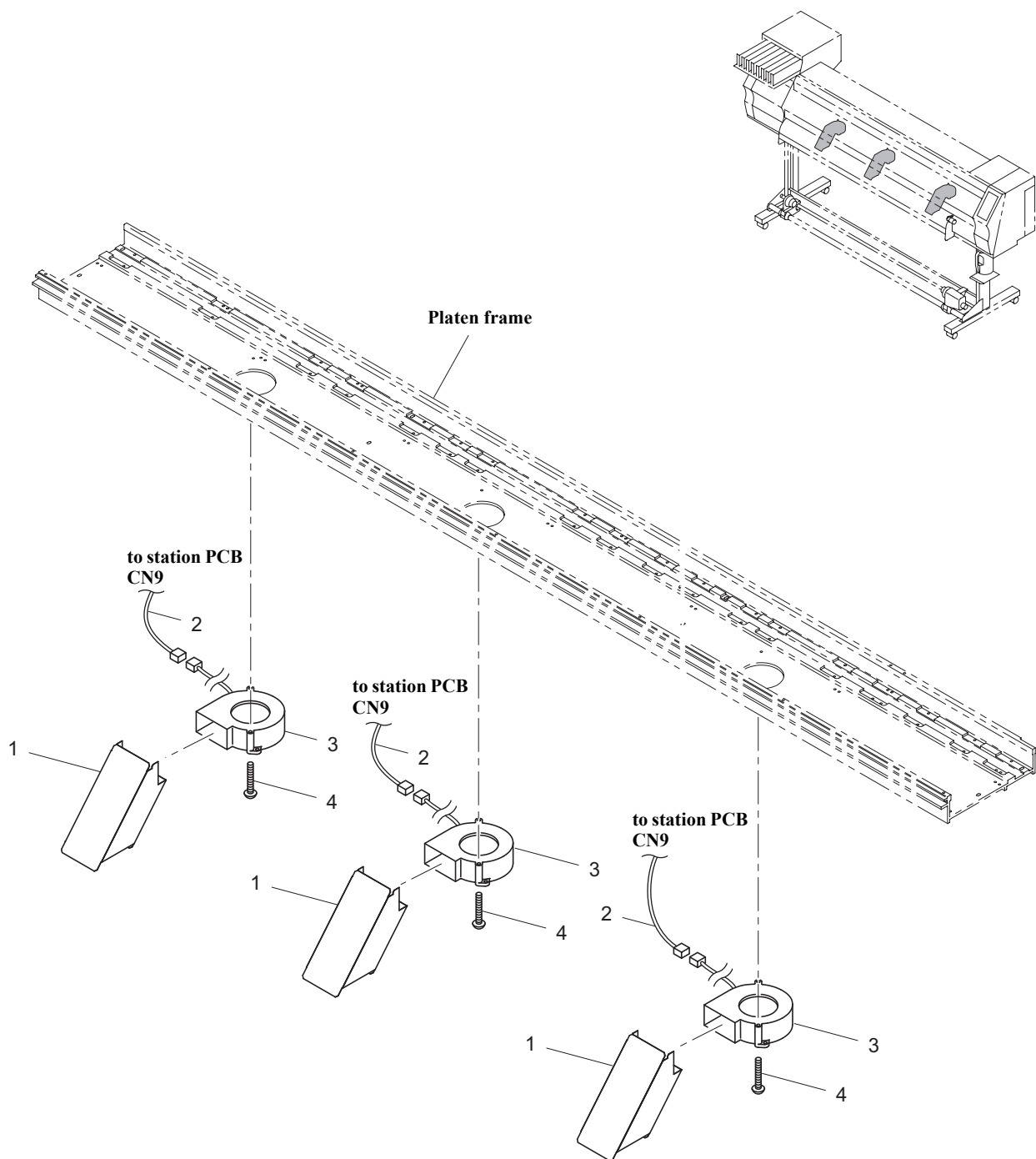
ELECTRICAL UNIT ASSY. -2/2



[illegible]

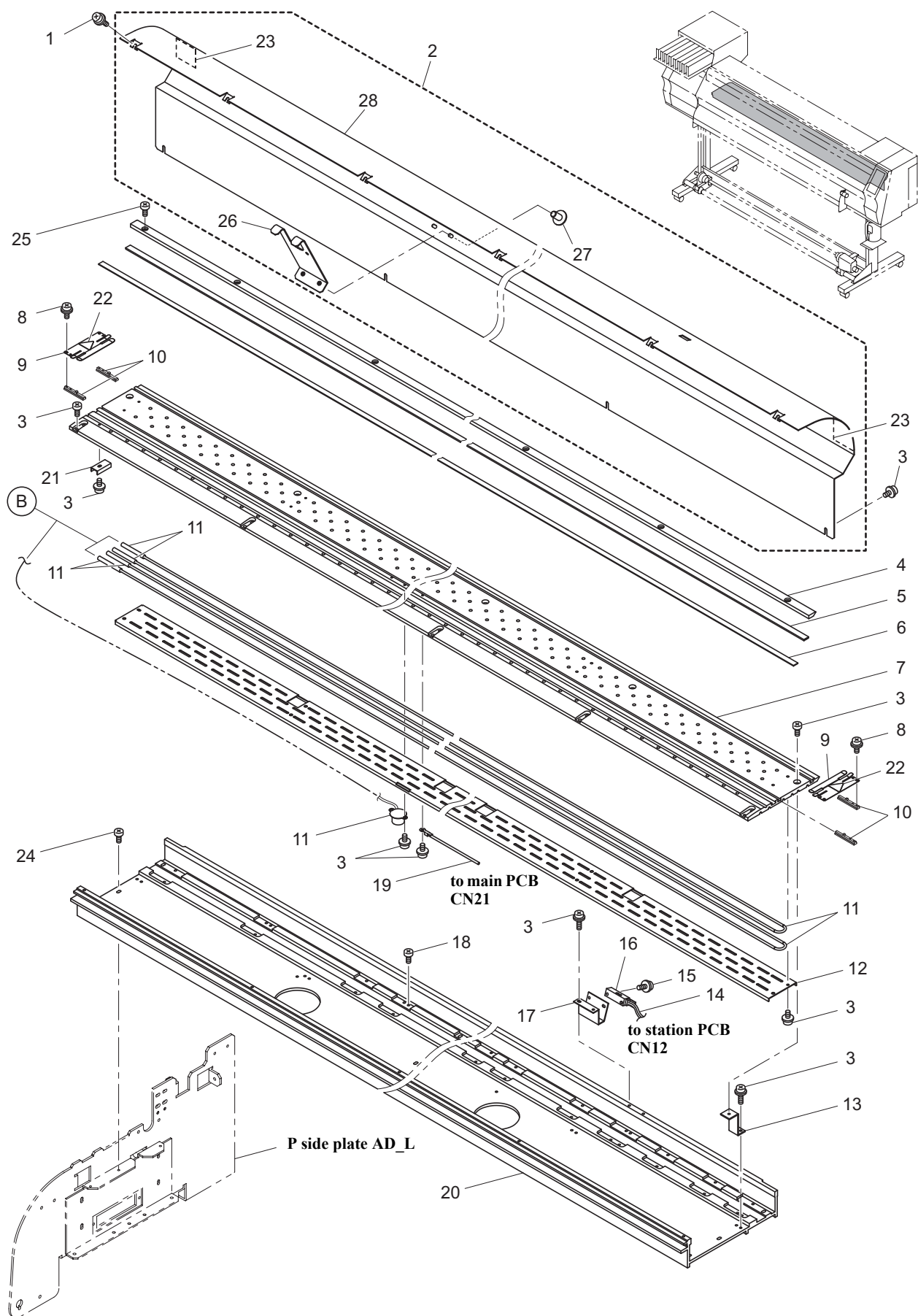
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

PLATEN ASSY. -1/3



*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

PLATEN ASSY. -2/3

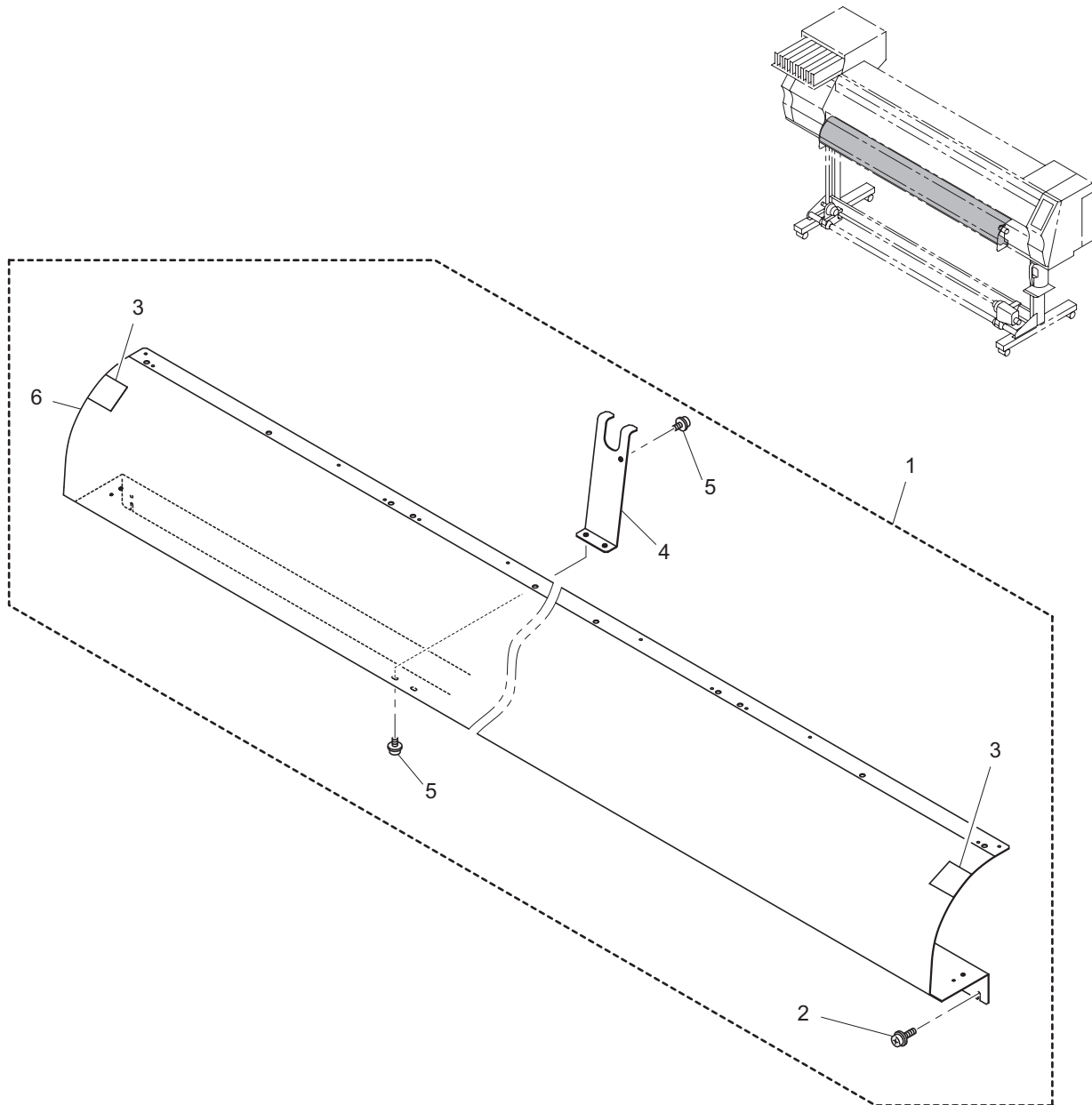


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	13	11			P3x8SMW Black	
2		M007333	Platen cover R 160 assy. (P)	1	-			With heater	
		M007335	Platen cover R 130 assy. (P)	-	1			With heater	
3			Screw	38	33			P3x8SMW	
4		M301042	Extension platen 33-160	1	-			~G1802450	
		M301044	Extension platen 33-130	-	1			~G0802950	
5		M700471	Penline rubber 33-160	1	-			~G1802450	
		M700477	Penline rubber 33-130	-	1			~G0802950	
6		M700473	Platen rubber 160	1	-			~G1802450	
		M700476	Platen rubber 130	-	1			~G0802950	
7		M301040	Platen C 33-160	1	-			~G1802450	
		M301043	Platen C 33-130	-	1			~G0802950	
		M301064	Platen C 33-160	1	-			G1802451~	
		M301065	Platen C 33-130	-	1			G0802951~	
8			Screw	4	←			P2x4SMW	
9	B	MP-M508889	Media plate 33	2	←				
10		M400348	Media holder guide 33	4	←				
11		E300549	Cord heater P160 assy.	1	-				
		E300552	Cord heater P130 assy.	-	1				
12		M508895	Heater holder 160	1	-				
		M508919	Heater holder 130	-	1				
13		M508903	Platen C bracket	7	5				
14		E104922	Paper sensor cable assy.	1	←				
15			Screw	2	←			B4x10 Black	
16	B	MP-PS-R11L-B	Photo sensor	1	←				
17		M508777	P center angle R	1	←				
18			Screw	14	12			P3x12SMW	
19		E300555	Platen thermistor P assy.	1	←				
20		M301041	Platen frame 33-160	1	-				
		M301045	Platen frame 33-130	-	1				
21		M508904	Thermostat holder	1	←				
22		M904810	Warning plate (high temperature small)	2	←				
23		M903239	Temperature warning plate	2	←				
24			Screw	6	←			P3x10SMW	
25			Screw	8	7			B3x6	
26		M509238	Thermostat holder R	1	←				
27			Screw	3	←			P4x10SMW Black	
28		M508758	Platen cover R 160	1	-				
		M508917	Platen cover R 130	-	1				

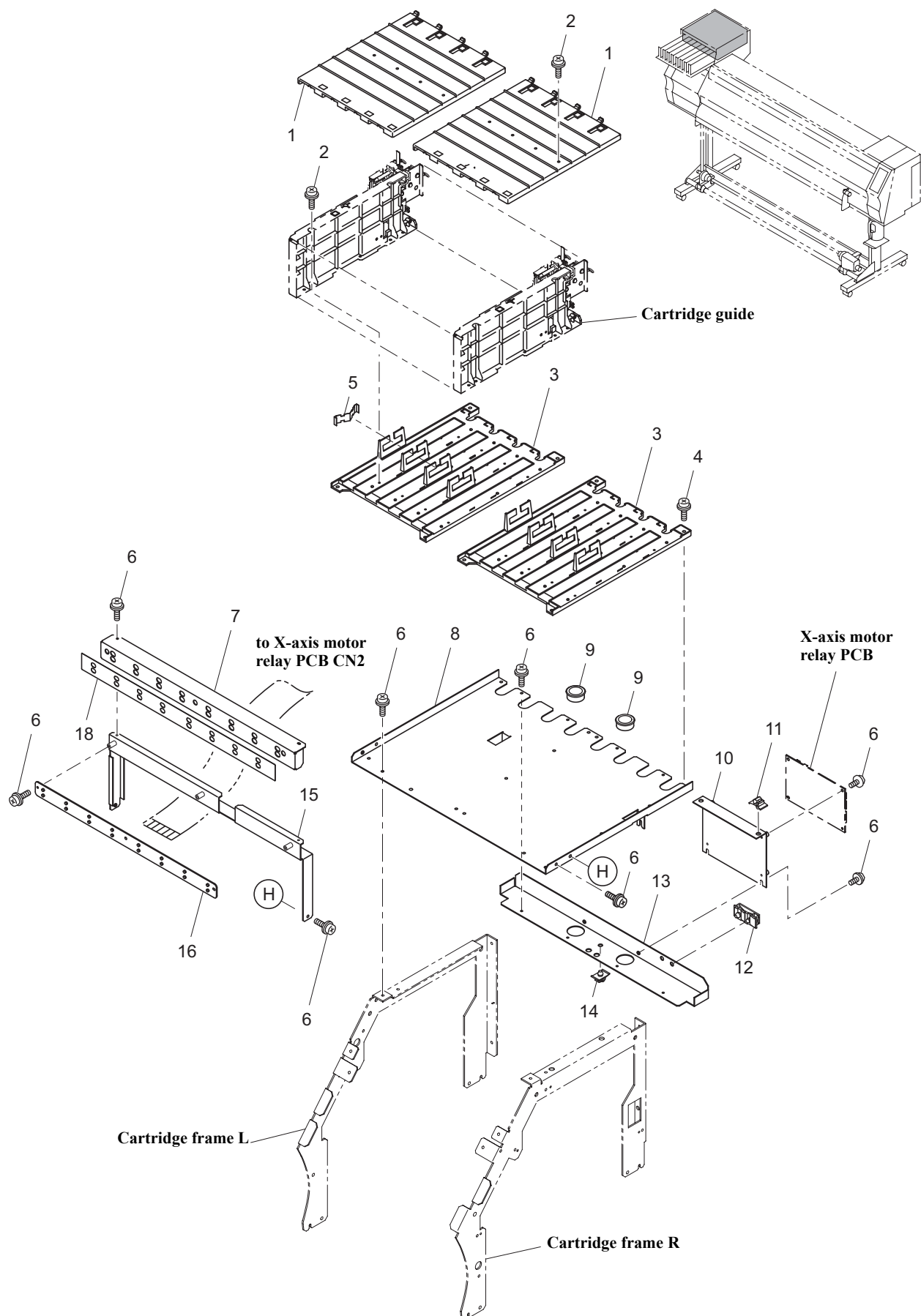
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



PLATEN ASSY. -3/3



CARTRIDGE BRACKET ASSY.



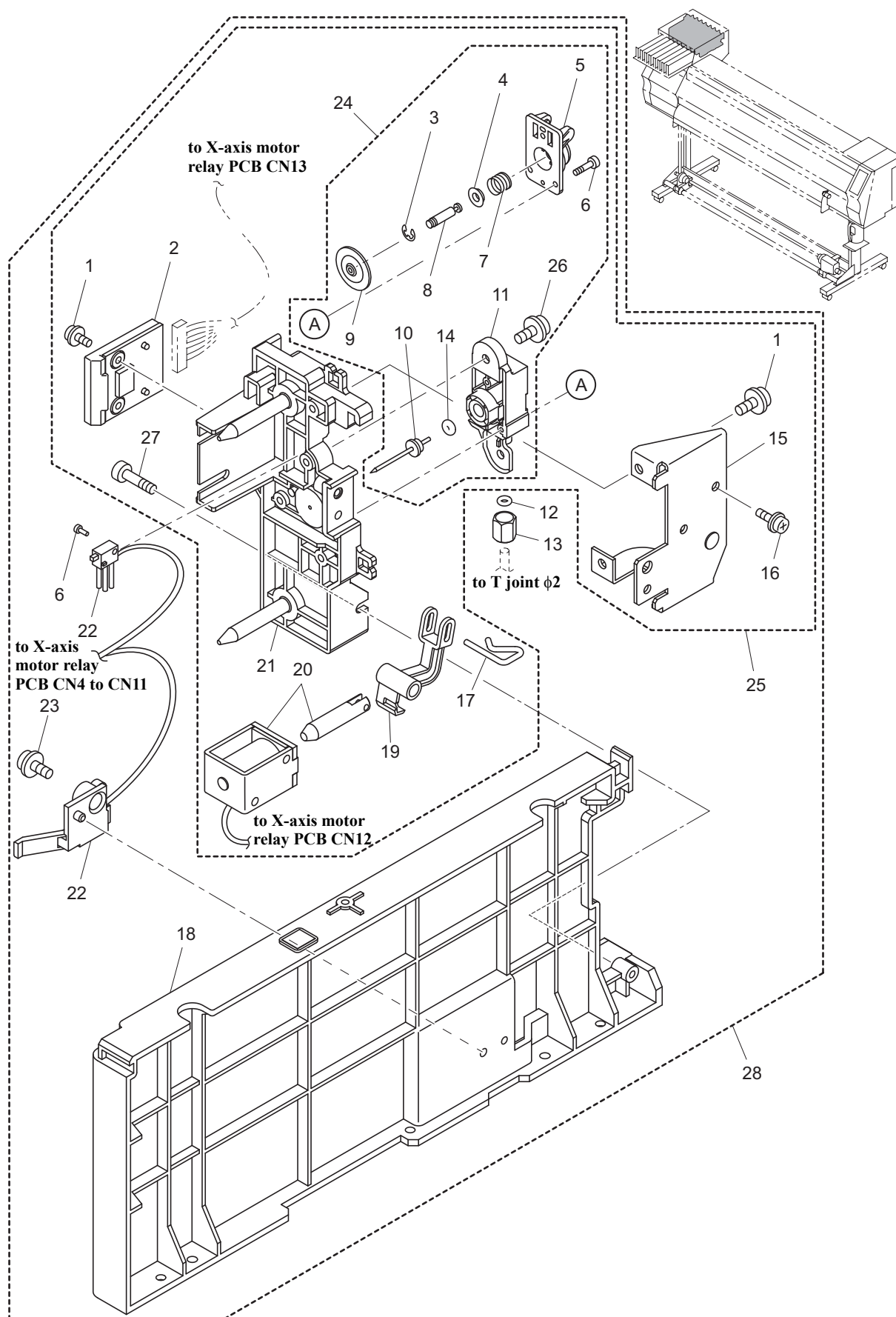
CARTRIDGE BRACKET ASSY.

[illegible]

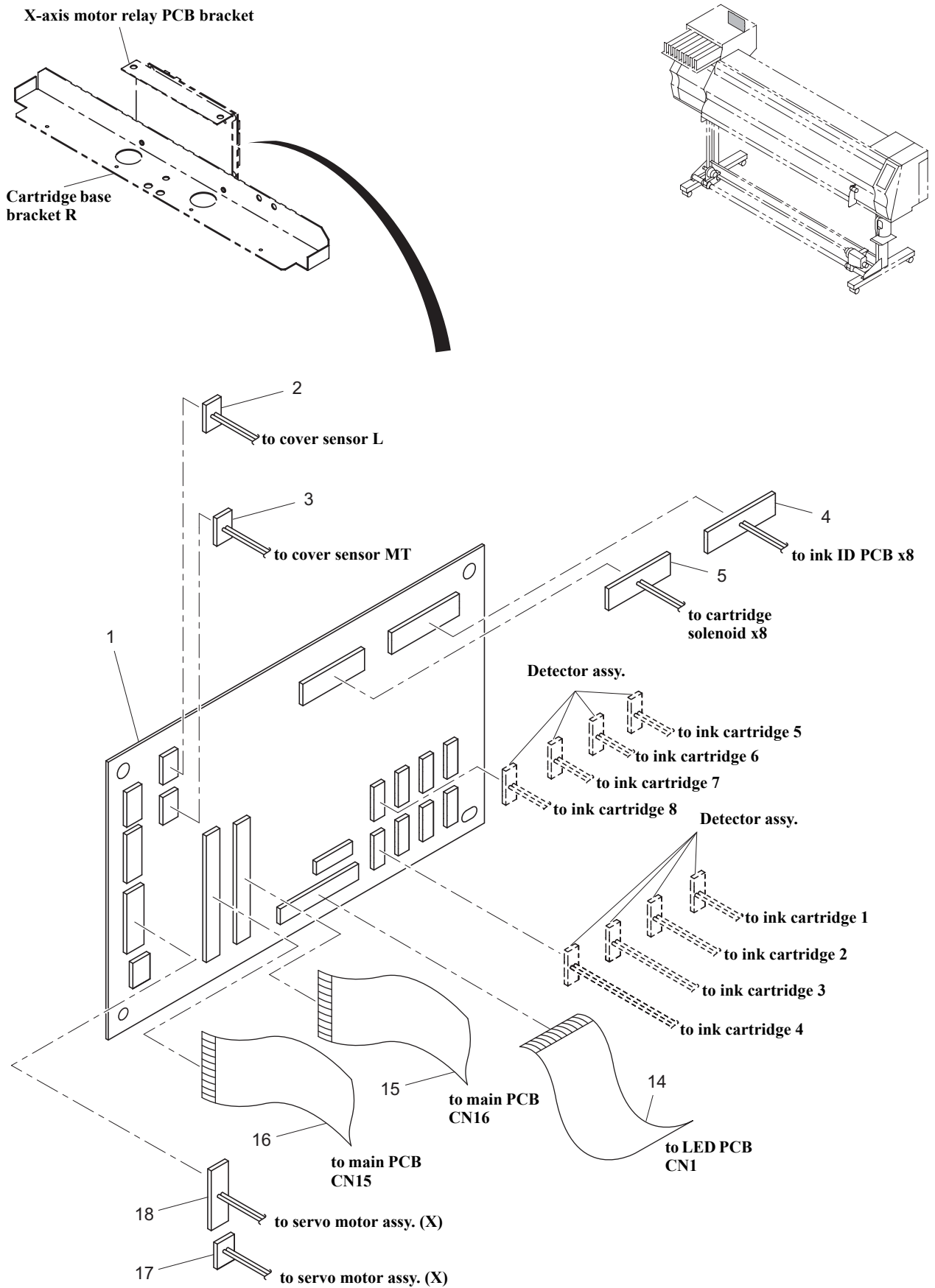
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



CARTRIDGE ASSY.

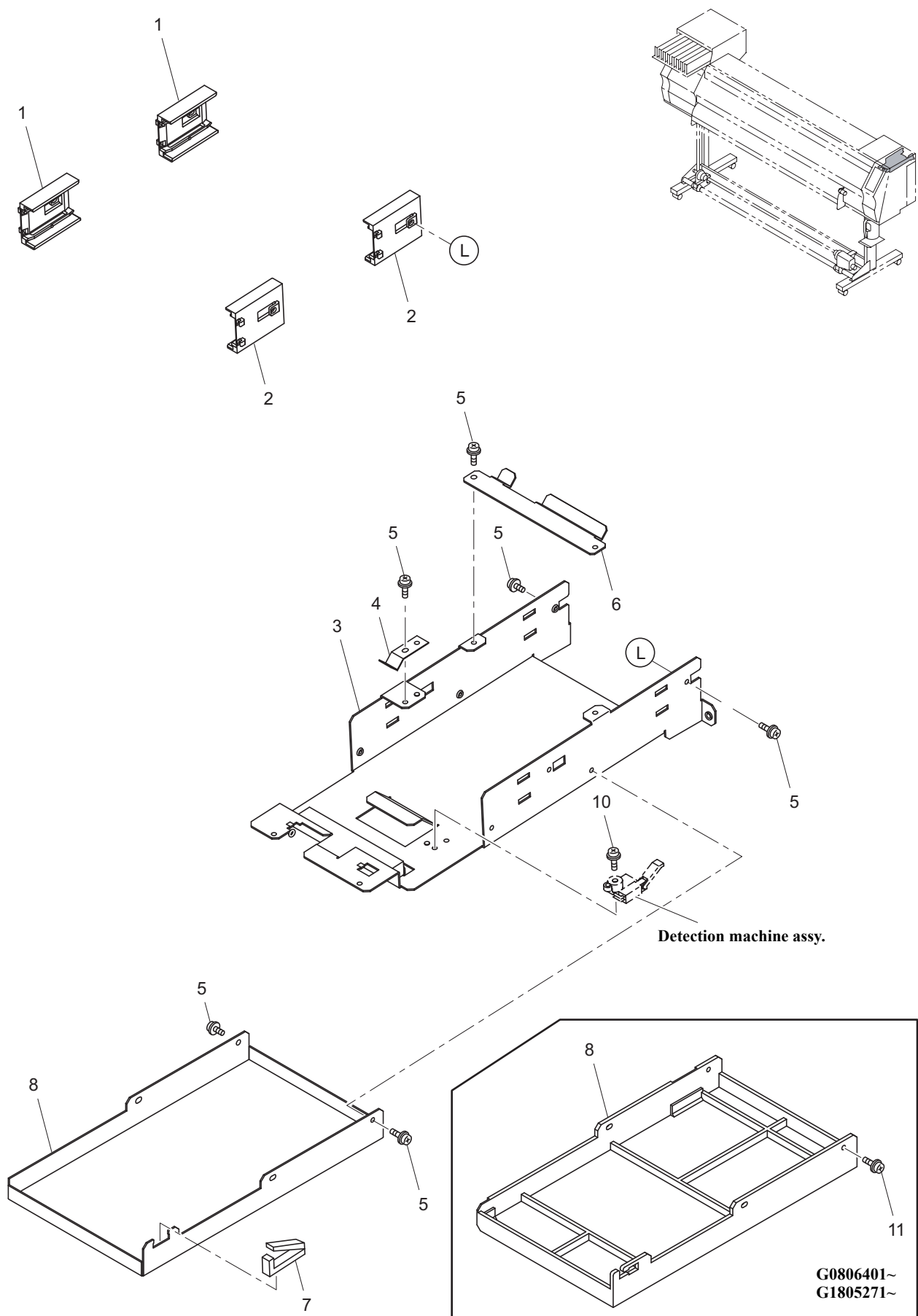


X-AXIS MOTOR RELAY PCB



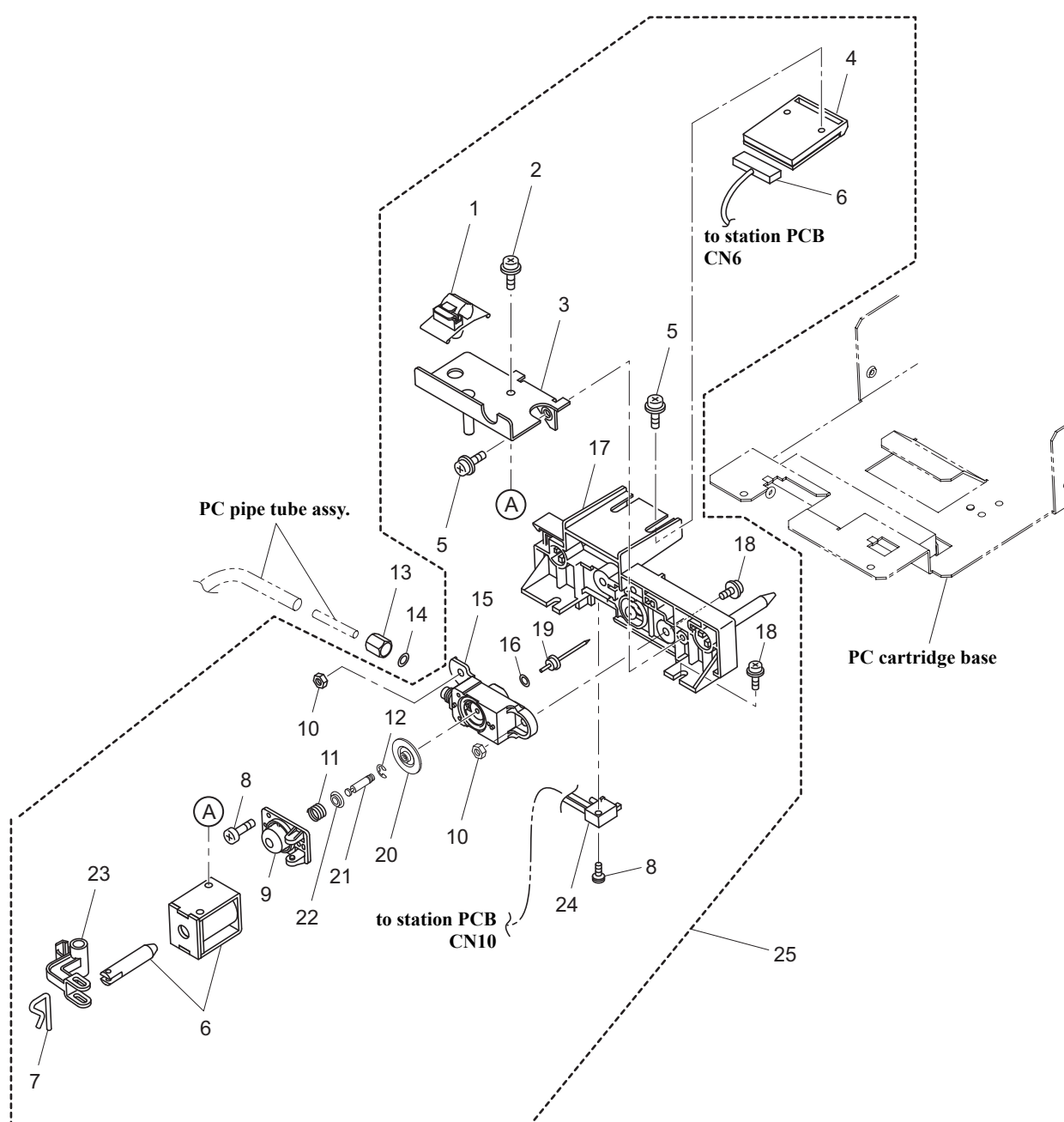
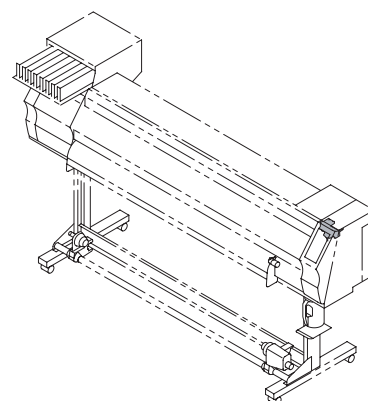
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CLEANING CARTRIDGE -1/2



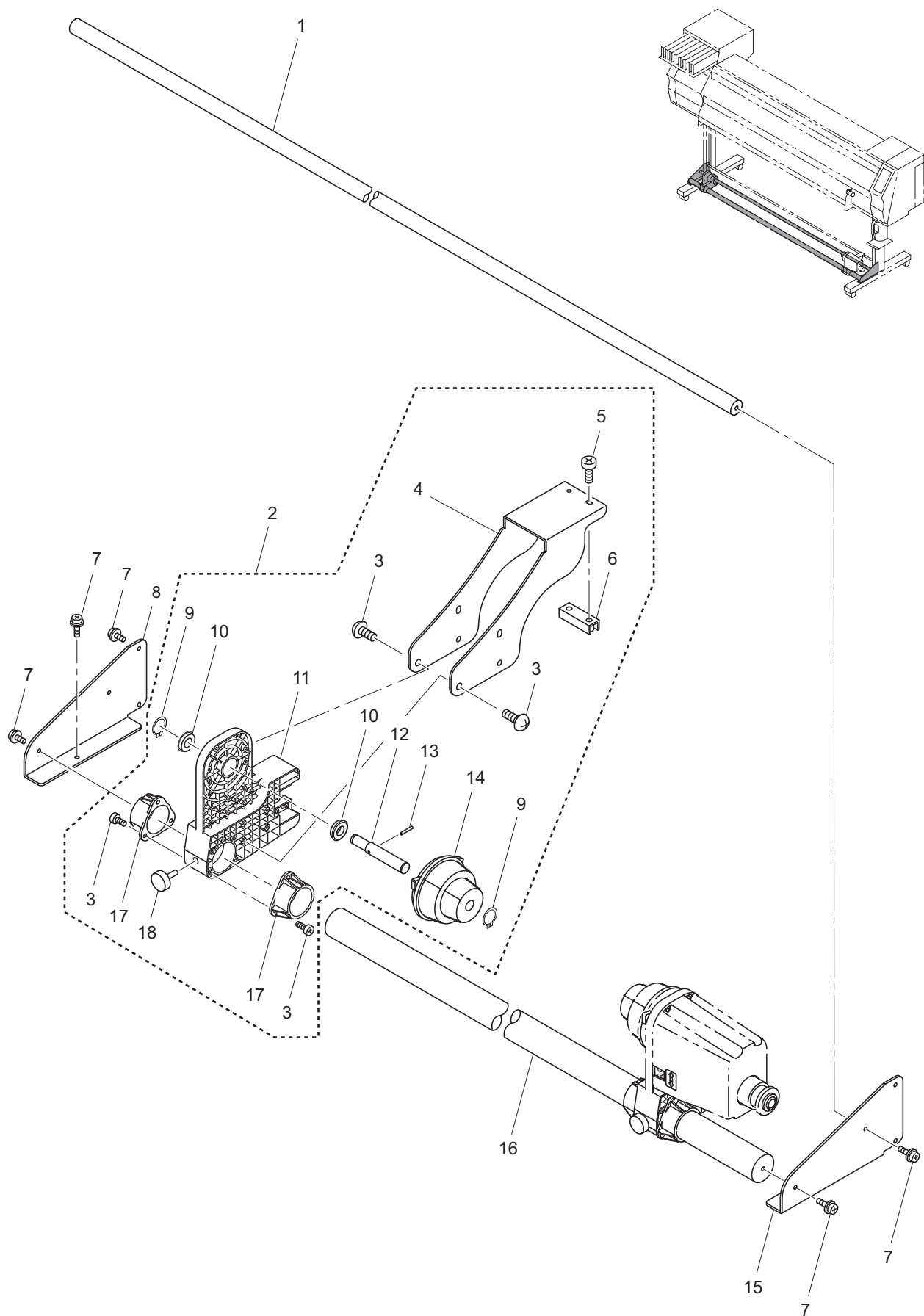
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

CLEANING CARTRIDGE -2/2



*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

TAKE-UP DEVICE ASSY. -1/2 (Type 1)

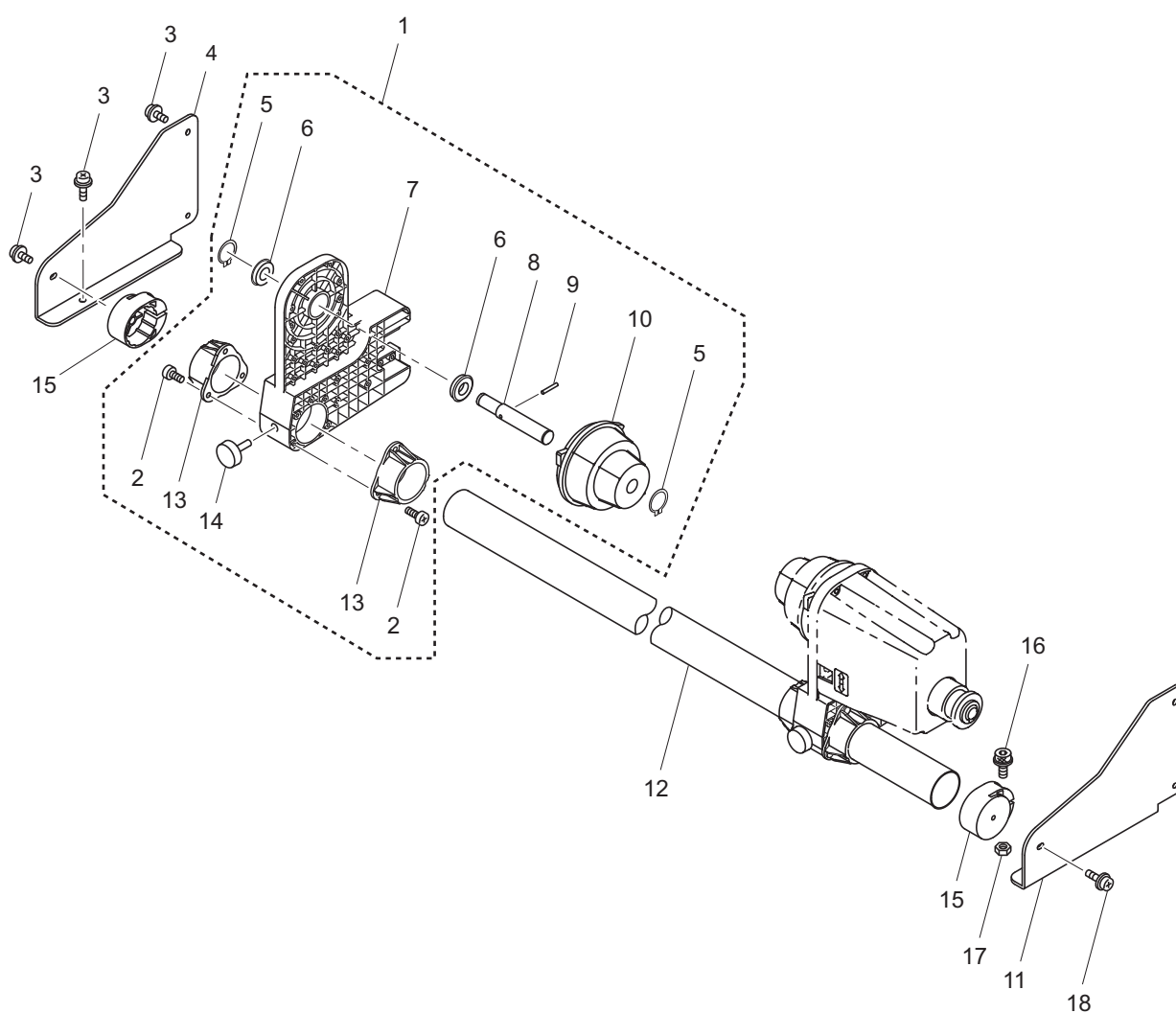
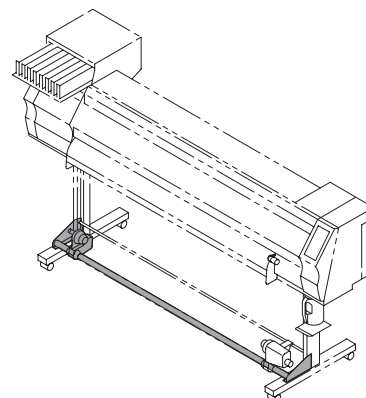


TAKE-UP DEVICE ASSY. -1/2 (Type 1)

[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

TAKE-UP DEVICE ASSY. -1/2 (Type 2)



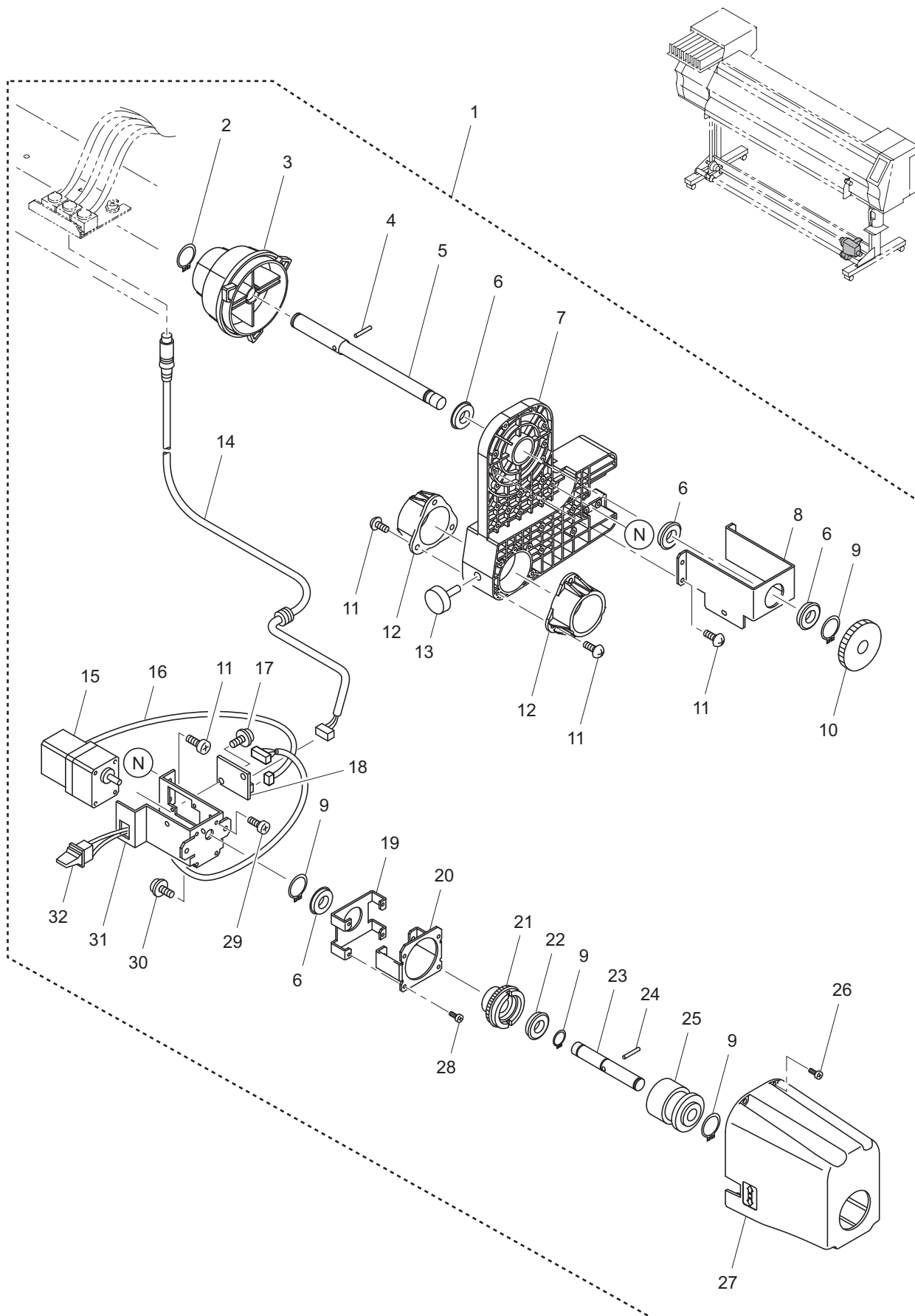
TAKE-UP DEVICE ASSY. -1/2 (Type 2)

[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



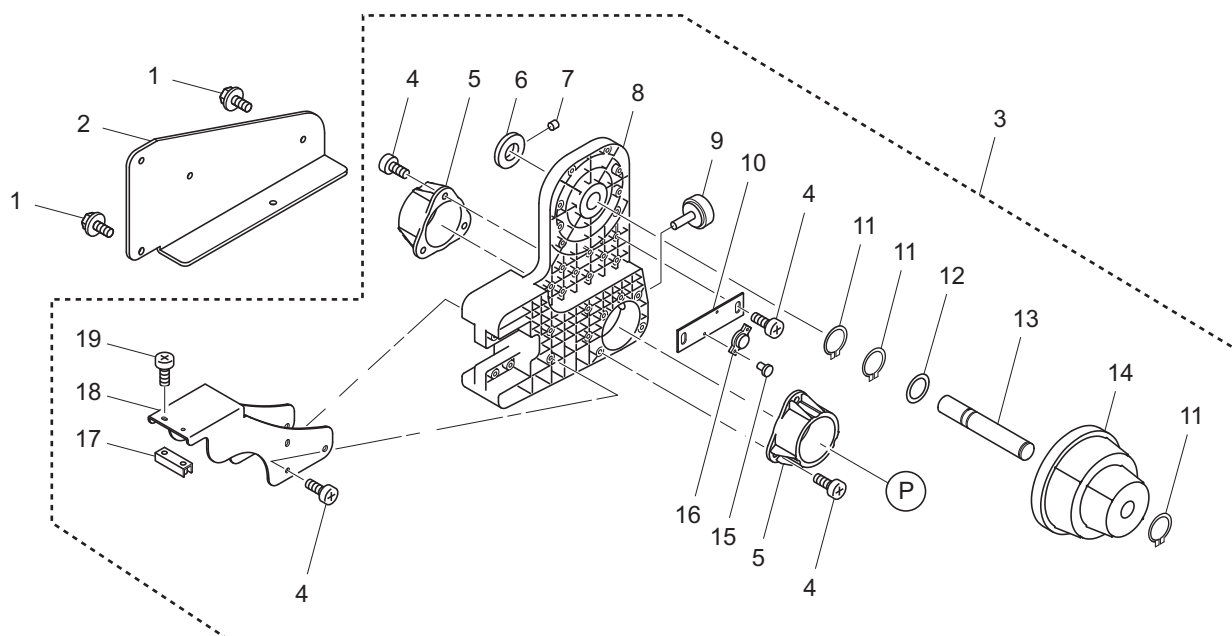
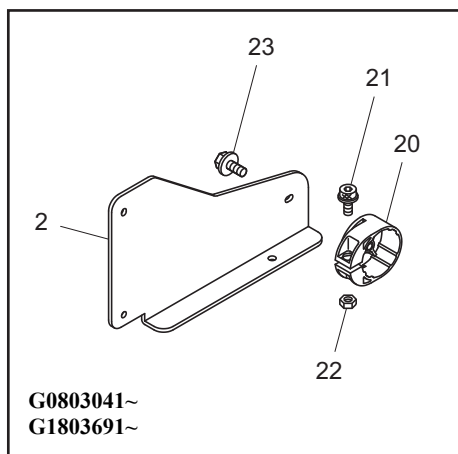
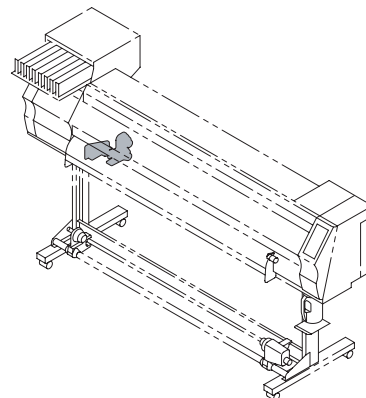
TAKE-UP DEVICE ASSY. -2/2



[illegible]

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

ROLL ASSY.-1/2

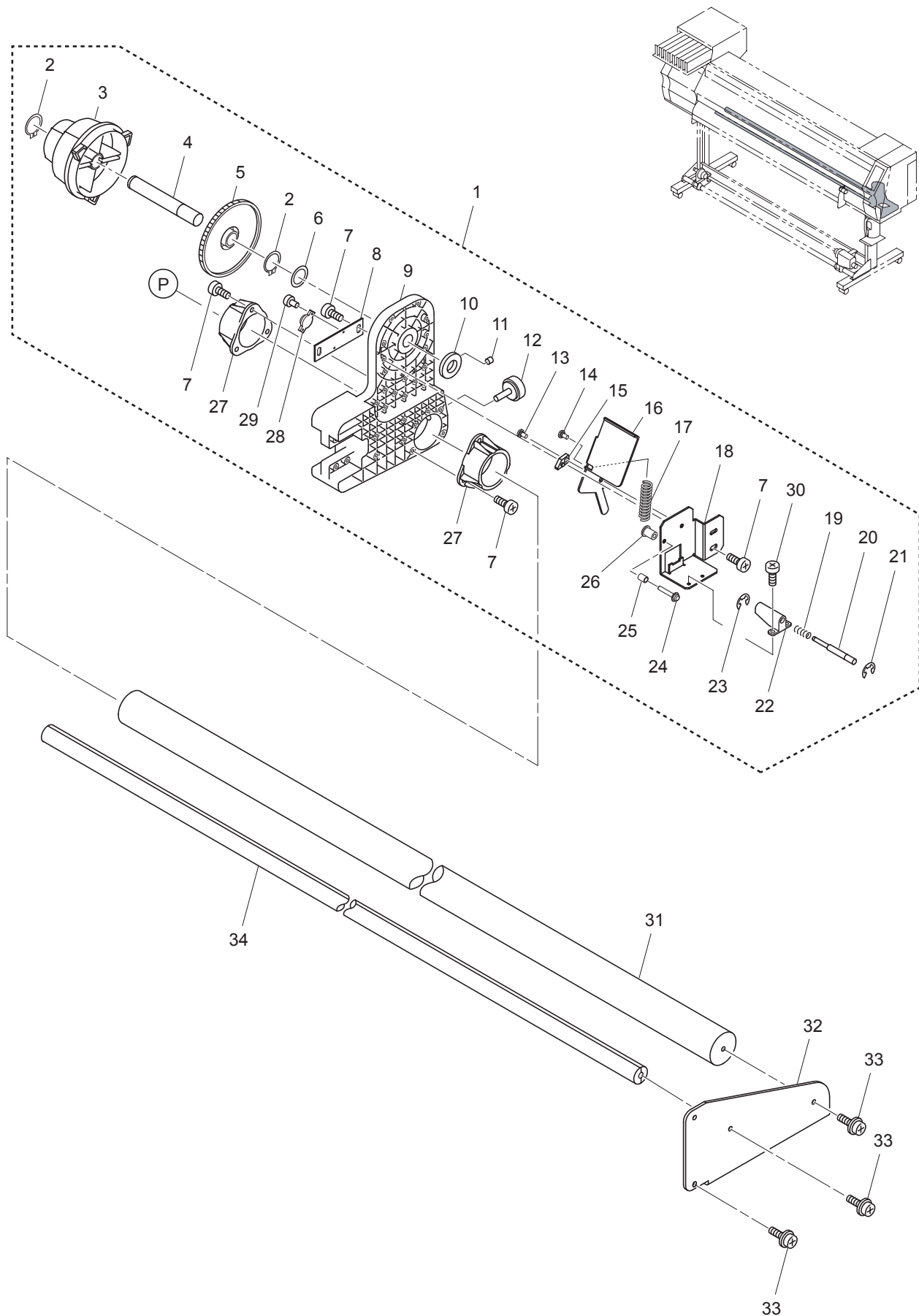


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	4	←			CS5x16SMW ~G0803040 ~G1803690	
2		M508871	Roll holder 1 side plate	1	←			~G0803040 ~G1803690	
		M510436	Roll guide bracket b 30	1	←			G0803041~ G1803691~	
3	B	MP-M007506	Media holder L assy. 33	1	←				
4			Screw	8	←			BZ4x10 Black	
5		M601190	Extension bushing 38	2	←				
6		M201607	Roll shaft collar	1	←				
7			Hexagon socket head screw	3	←			SSWP3x6 Black	
8		M601186	Roll base 2 (S)	1	←				
9			Face screw	1	←			YURIYA N5-M6, L=20 Black	
10		M506944	Roll damper bracket	1	←				
11			C-ring for shaft	3	←			C-14	
12			Slider washer	1	←			φ15.2-φ23, t=0.25	
13		M203641	Roll holder shaft L	1	←				
14		M600686	Roll holder G	1	←				
15			Screw	2	←			F2x4	
16			Rotary damper	1	←			FRT-G2-200G2	
17		M600664	Upper hook	1	←			~G0803040 ~G1803690	
18		M508873	Roll holder arm	1	←			~G0803040 ~G1803690	
19			Screw	2	←			B3x6 Black ~G0803040 ~G1803690	
20	B	MP-M602278	Guide cap	1	←			G0803041~ G1803691~	
21			Screw	1	←			CS5x16SMW G0803041~ G1803691~	
22			Nut	1	←			M5 G0803041~ G1803691~	
23			Screw	3	←			Flange socket M5x15 Black G0803041~ G1803691~	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



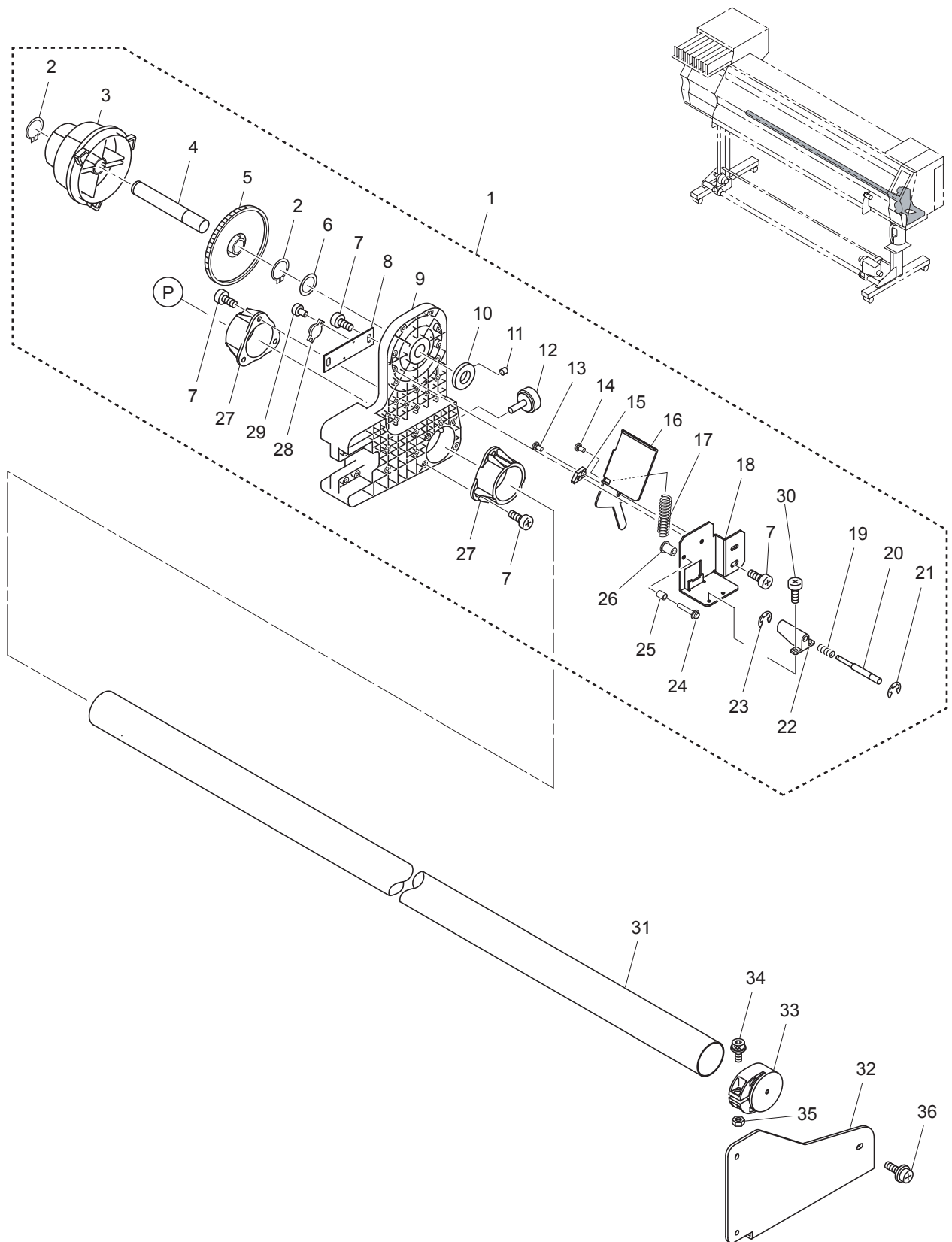
ROLL ASSY.-2/2 (Type 1)



No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1	B	MP-M007464	Roll holder R assy. 33	1	←				
2			C-ring for shaft	2	←			C-14	
3		M600500	Roll holder	1	←				
4		M203640	Roll holder shaft R	1	←				
5		M601168	Roll holder gear	1	←				
6			Slider washer	1	←			φ15.2-φ23, t=0.25	
7			Screw	10	←			BZ4x10 Black	
8		M506944	Roll damper bracket	1	←				
9		M601186	Roll base 2 (S)	1	←				
10		M201607	Roll shaft collar	1	←				
11			Screw with hexagonal hole	3	←			SSWP3x6 Black	
12			Face screw	1	←			YURIYA N5-M6, L=20 Black	
13		M400284	Belt screw	1	←				
14		M400233	Bearing holder screw	1	←				
15		M601087	Roll stopper A	1	←				
16		M508804	Roll stopper	1	←				
17		M800604	Roll stopper SP2	1	←				
18		M508803	Roll stopper base	1	←				
19		M800564	Pin spring	1	←				
20		M203314	Height adjusting pin	1	←				
21			E-ring	1	←			E-4	
22		M601050	Pin guide	1	←				
23			E-ring	1	←			E-3	
24			Screw	1	←			P4x25SMW Black	
25			Bushing	1	←			φ4, L=8	
26			Nut	1	←			M4 B-832	
27		M601190	Extension bushing 38	2	←				
28			Rotary damper	1	←			FRT-G2-200G2	
29			Screw	2	←			F2x4	
30			Screw	2	←			B3x6 Black	
31		M205613	Roll guide 160	1	-			~G1803690	
		M205634	Roll guide 130	-	1			~G0803040	
32		M508872	Roll holder 2 side plate	1	←			~G0803040 ~G1803690	
33			Screw	4	←			Flange socket M5x15 Black ~G0803040 ~G1803690	
34		M205612	Sub roll guide 160	1	-			~G1803690	
		M205635	Sub roll guide 130	-	1			~G0803040	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

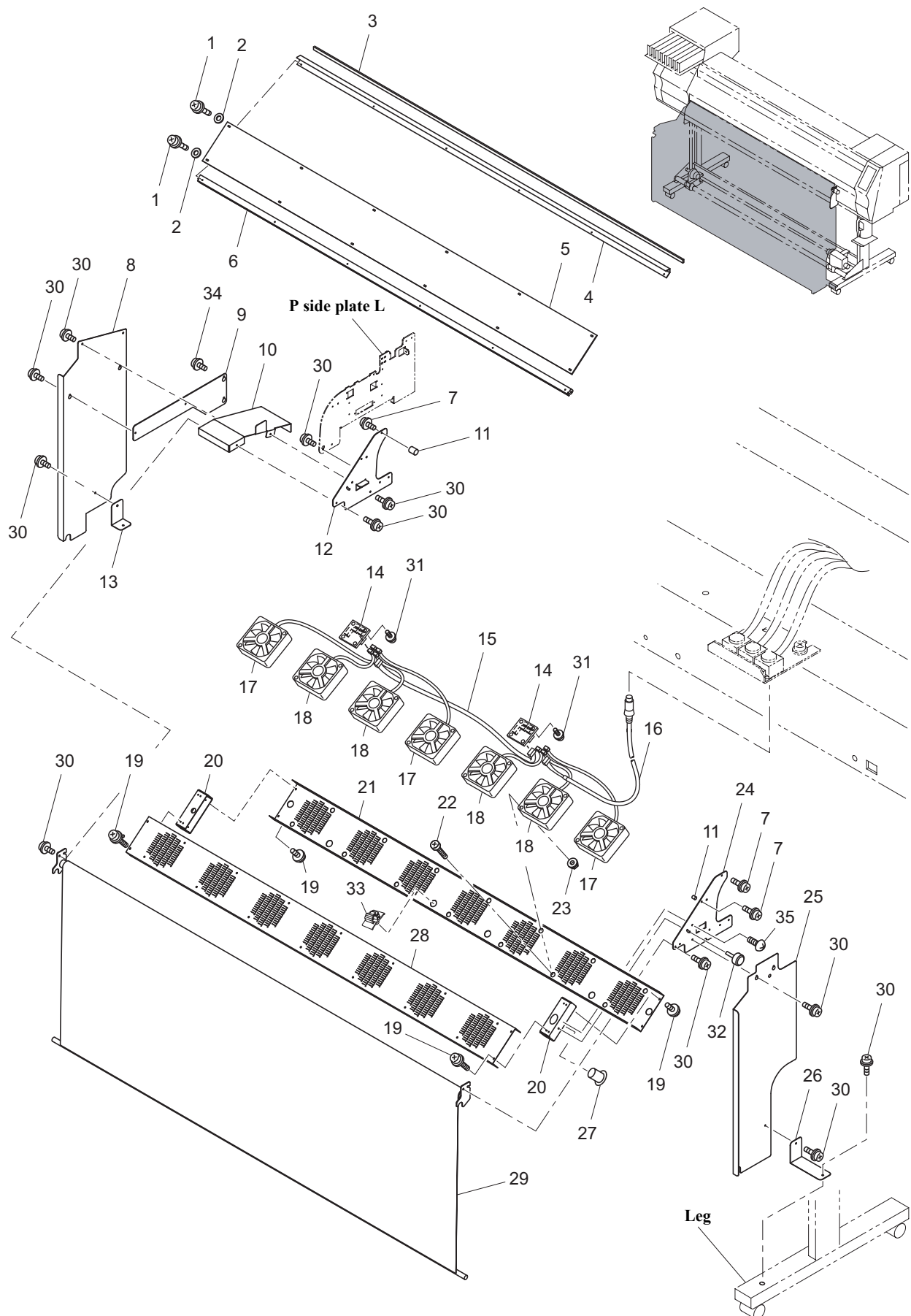
ROLL ASSY.-2/2 (Type 2)



No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1	B	MP-M007464	Roll holder R assy. 33	1	←				
2			C-ring for shaft	2	←			C-14	
3		M600500	Roll holder	1	←				
4		M203640	Roll holder shaft R	1	←				
5		M601168	Roll holder gear	1	←				
6			Slider washer	1	←			φ15.2-φ23, t=0.25	
7			Screw	10	←			BZ4x10 Black	
8		M506944	Roll damper bracket	1	←				
9		M601186	Roll base 2 (S)	1	←				
10		M201607	Roll shaft collar	1	←				
11			Screw with hexagonal hole	3	←			SSWP3x6 Black	
12			Face screw	1	←			YURIYA N5-M6, L=20 Black	
13		M400284	Belt screw	1	←				
14		M400233	Bearing holder screw	1	←				
15		M601087	Roll stopper A	1	←				
16		M508804	Roll stopper	1	←				
17		M800604	Roll stopper SP2	1	←				
18		M508803	Roll stopper base	1	←				
19		M800564	Pin spring	1	←				
20		M203314	Height adjusting pin	1	←				
21			E-ring	1	←			E-4	
22		M601050	Pin guide	1	←				
23			E-ring	1	←			E-3	
24			Screw	1	←			P4x25SMW Black	
25			Bushing	1	←			φ4, L=8	
26			Nut	1	←			M4 B-832	
27		M601190	Extension bushing 38	2	←				
28			Rotary damper	1	←			FRT-G2-200G2	
29			Screw	2	←			F2x4	
30			Screw	2	←			B3x6 Black	
31		M205988	Roll guide 160	1	-			G1803691~	
		M205989	Roll guide 130	-	1			G0803041~	
32		M510435	Roll guide bracket a 30	1	←			G0803041~ G1803691~	
33	B	MP-M602278	Guide cap	1	←			G0803041~ G1803691~	
34			Screw	1	←			CS5x16SMW G0803041~ G1803691~	
35			Nut	1	←			M5 G0803041~ G1803691~	
36			Screw	3	←			Flange socket M5x15 Black G0803041~ G1803691~	

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

DRY FAN ASSY.

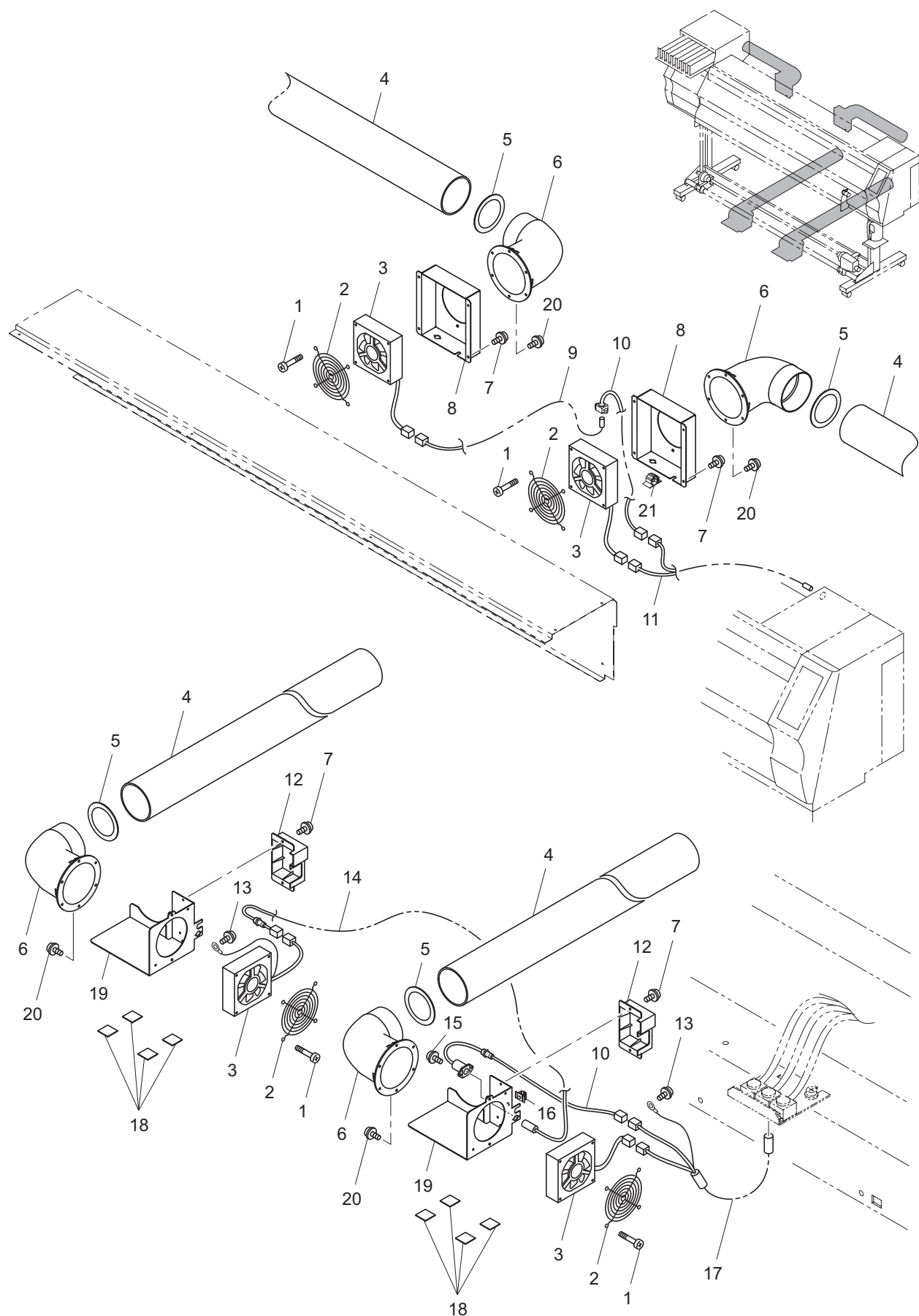


No.	Rank	Part codes	Name of part	Quantity used			P*2	Remarks	M*3
				160	130				
1			Screw	12	10			P3x8SMW	
2			Teflon washer	12	10			WP-5	
3		M700472	Stopper rubber 33-160	1	-				
		M700479	Stopper rubber 33-130	-	1				
4		M508753	Open and close cover stay 160	1	-				
		M509080	Open and close cover stay 130	-	1				
5		M602115	Open and close cover upper 160	1	-				
		M602147	Open and close cover upper 130	-	1				
6		M508752	Open and close cover stay lower 160	1	-				
		M509081	Open and close cover stay lower 130	-	1				
7			Screw	4	←			P4x15SMW Black	
8		M508849	Exhaust cover L	1	←				
9		M508845	Exhaust cover bracket upper	1	←				
10		M508851	Exhaust cover upper	1	←				
11			Nut	4	←			M4*0.7 B-832	
12		M508852	Drying fan stay L	1	←				
13		M508846	Exhaust cover bracket L	1	←				
14	B	MP-E103646	Drying fan fork PCB assy.	2	←				
15		E105004	Drying fan fork cable assy.	1	←				
16		E104937	Drying fan cable assy.	1	←				
17	B	MP-E103784	Drying fan 2 assy.	3	2				
18	B	MP-E102451	Drying fan 1 assy.	4	←				
19			Screw	16	←			B3x6	
20		M507907	Fan cover reinforcement plate	2	←				
21		M508754	Drying fan cover 160R	1	-				
		M509082	Drying fan cover 130R	-	1				
22			Screw	14	12			B4x45	
23			Flange nut	14	12			N-4	
24		M508853	Drying fan stay R	1	←				
25		M508850	Exhaust cover R	1	←				
26		M508847	Exhaust cover bracket R	1	←				
27			Bushing TB	1	←			TB-1116	
28		M508755	Drying fan cover 160F	1	-				
		M509083	Drying fan cover 130F	-	1				
29		M800965	Roll screen 160	1	-				
		M800990	Roll screen 130	-	1				
30			Screw	20	←			CP4x12SMW Black	
31			Screw	4	←			P3x6SMW	
32			Mini knob	2	←			KS15-16A	
33			Clamp	5	4			CKN-05	
34			Screw	2	←			Flange socket M5x15 Black	
35		M400284	Belt screw	2	←				

*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)



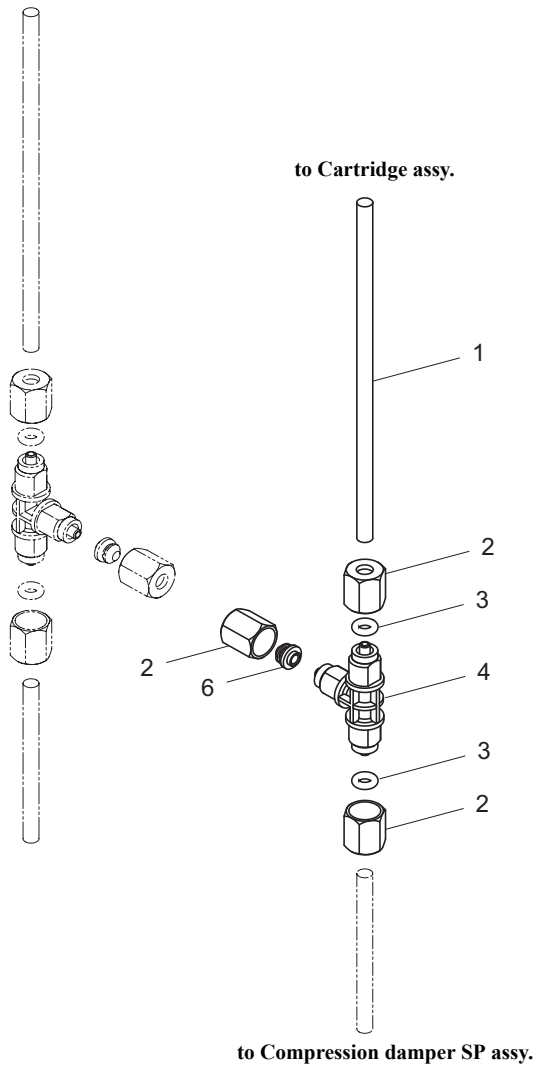
EXHAUST DEVICE ASSY.



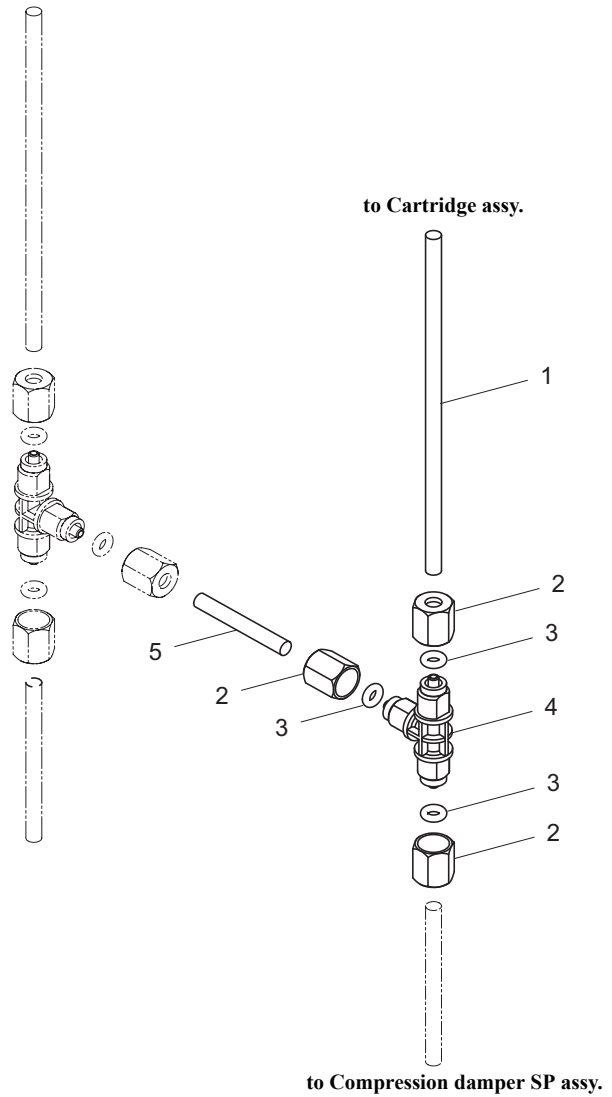
*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

INK PATH PIPEWORK

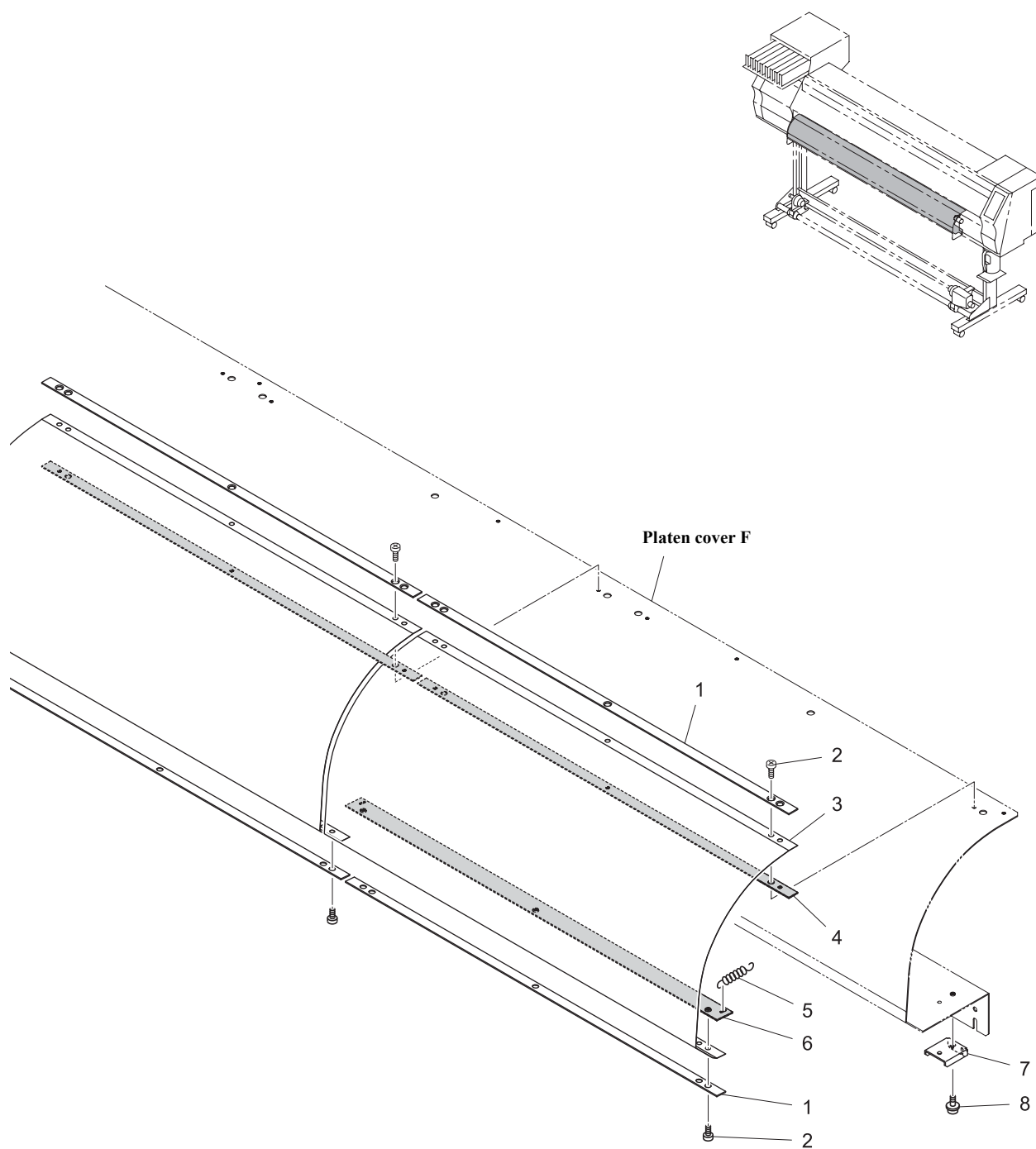
6-color model



4-color model

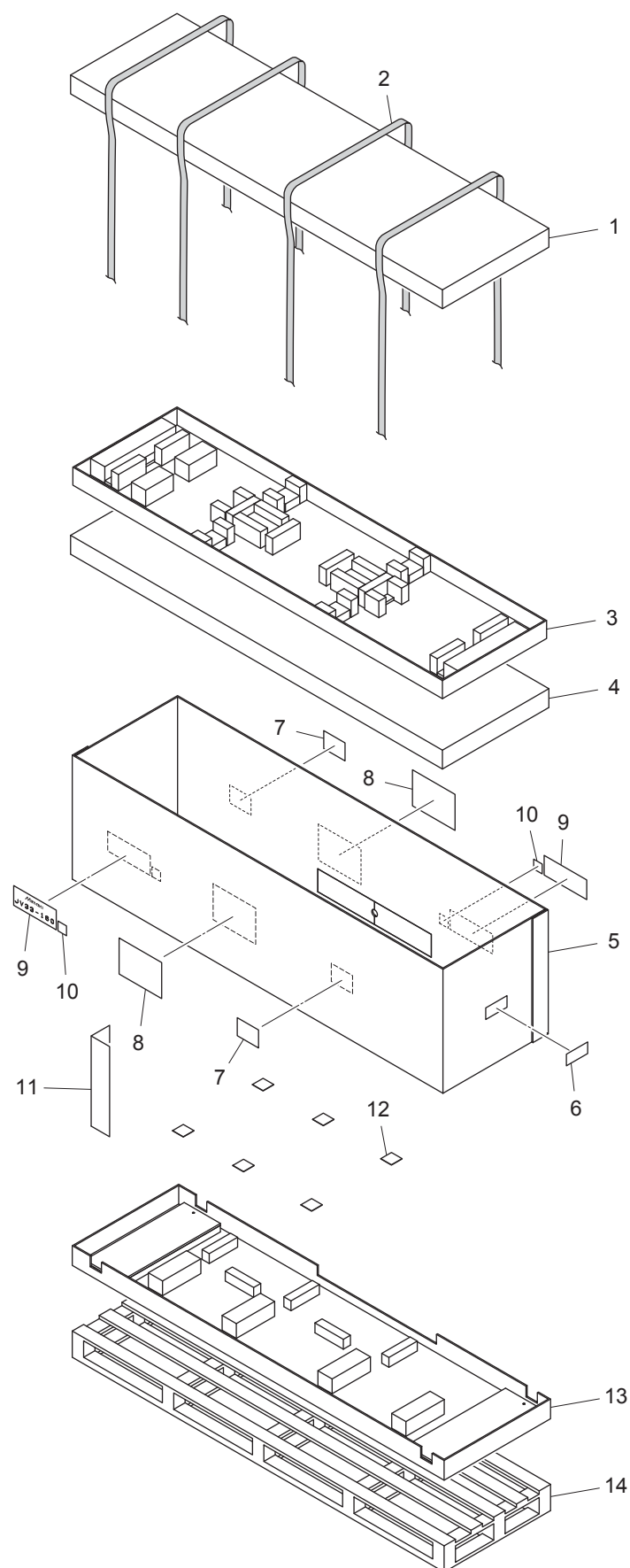


ELECTROSTATIC SHEET ASSY. (OPT-J0139/J0140)





PACKING ASSY.



*2 P:Supply quantity *3 M:Changed (A: Added part, D: Deleted part, C: Changed part)

CHANGE TRACKING

■ Date of issue : '07.06.13

■ Revision : 1.0

Content First edition issue

■ Date of issue : '07.09.7

■ Revision : 1.1

Page	Content
P.4-5	Correction :No.1, Q Correction:No.10 Addition:No.16-17, plate
P.6-7	Correction :No.9, Remarks Addition:No.17-20, plate Addition:No.21-22
P.8-9	Addition :No.11-19, plate
P.10-11	Addition :No.5, plate
P.12-13	Correction :No.1, Remarks Correction:No.7, Remarks Addition:No.8, plate
P.14-15	Addition :No.21-22
P.16-17	Correction :No.1-2, Remarks Addition:No.23, plate
P.20-21	Addition :No.24-25
P.22-23	Correction :No.25 Addition:No.27
P.24-25	Correction :No.13, Q Correction:No.14
P.26-27	Correction :No.1, Q Correction:No.10 Addition:No.30-31
P.30-31	Addition :S side plate R Correction:No.2, Q Correction:No.14 Addition:No.16-18
P.32-33	Deletion :No.1 Correction:No.2, Q Correction:No.3 Addition:No.18
P.34-35	Correction :No.2-3
P.36-37	Correction :No.1 Correction:No.16 Correction:No.22, Q Addition:No.34-38
P.40-41	Addition :No.11
P.42-43	Correction :No.6 Correction:No.11
P.44-45	Deletion :No.2 Correction:No.3 Correction:No.5, Remarks

P.46-47	Correction :No.2, Name of part Addition:No.27-29, plate Addition:No.30
P.48-49	Correction :No.3, Q Correction:No.4, R Deletion:No.8 Correction:No.12, R Correction:No.18, Q Addition:No.23-24
P.50-51	Correction :No.6-7, R Correction:No.10-11, Remarks Correction:No.12, Part codes Correction:No.14, Remarks Correction:No.20-22, Remarks Correction:No.24, Remarks Addition:No.32-33
P.52-53	Deletion :No.3 Correction:No.9
P.54-55	Addition :No.28, plate Addition:No.29
P.56-57	Correction :No.8-9, Remarks
P.60-61	Addition :P side plate AD_L Correction:No.3, Q Correction:No.16, R Addition:No.22-23, plate Addition:No.24-25
P.62-63	Addition :No.3, plate
P.64-65	Correction :No.17, Remarks Addition:No.18, plate
P.66-67	Correction :No.5, move to No.10 Correction:No.10, move to No.5 Addition:No.26-29
P.68-69	Correction :No.14-16, Remarks
P.72-73	Correction :No.5, Q Correction:No.22, Q Addition:No.29-30
P.74-75	Correction :No.7, Remarks
P.76-77	Correction :No.1 Correction:No.26, Remarks
P.78-79	Correction :No.1
P.80-81	Correction :No.33, Q
P.82-83	Correction :No.7, Q Correction:No.19, Remarks Addition:No.30-32 Addition:No.33
P.84-85	Correction :No.7 Correction:No.13, Remarks Addition:No.20-21

■ Date of issue : '08.08.22

■ Revision : 1.2

Page	Content
P.4-5	Correction :No.4, Name of part
P.6-7	Correction :No.3, Remarks Addition:No.3
P.8-9	Correction :No.11-13, Remarks Addition:No.20, plate
P.12-13	Correction :No.1-7, Remarks
P.14-15	Added page.
P.18-19	Correction :No.11-13, Remarks Addition:No.12-13 Correction:No.15, Remarks Addition:No.24
P.20-21	Correction :No.8, Q Correction:No.11, Part codes Correction:No.16, Part codes, Name of part Correction:No.23, Remarks Correction:No.25, Remarks Correction:No.26, Q Correction:No.27, Remarks
P.22-23	Added page.
P.24-25	Addition :No.26
P.26-27	Correction :No.7, Remarks Addition:No.7 Correction:No.8, Name of part Correction:No.9, Remarks Addition:No.9 Correction:No.11, Q Correction:No.19, Remarks Addition:No.19 Addition:No.28
P.28-29	Deletion :No.11 Correction:No.15, Remarks Correction:No.17, Remarks Addition:No.17
P.30-31	Correction :No.2, Remarks Addition:No.2
P.32-33	Correction :No.1-2, Q
P.36-37	Correction :No.5, Remarks Correction:No.15,17, renumbered illustrations

P.40-41	Correction :No.3, Remarks Correction:No.5, Remarks Correction:No.10, Remarks Correction:No.11,23, renumbered illustrations Correction:No.12, Remarks Correction:No.20, Remarks Correction:No.27, Part codes, Name of part
P.42-43	Added page.
P.46-47	Correction :No.1, Part codes Correction:No.2, Remarks
P.48-49	Correction :No.1-2, Remarks Correction:No.10, Remarks
P.50-51	Correction :No.4, Remarks Addition:No.4 Correction:No.5-6, Remarks
P.52-53	Addition :No.31
P.56-57	Correction :No.8, Part codes Correction:No.9, Part codes, Name of part, Q Addition:No.9 Correction:No.16, Name of part, R Correction:No.18, Part codes, Name of part Correction:No.24, Part codes, Name of part
P.60-61	Correction :No.3, Q Correction:No.4, Remarks Addition:No.4 Correction:No.5, Remarks Correction:No.27, Remarks Addition:No.30
P.64-65	Correction :No.1, Part codes, Name of part
P.70-71	Correction :No.7, Part codes, Name of part
P.72-73	Correction :No.1, Q Correction:No.5-6, Q Correction:No.14, Q Correction:No.17, Remarks Addition:No.17 Correction:No.19, Remarks Addition:No.19 Correction:No.26, Remarks Correction:No.27-29, Q Addition:No.30
P.76-77	Correction :No.5, Remarks Addition:No.5 Correction:No.7, Remarks

CHANGE TRACKING

		Correction:No.8, Remarks Addition:No.8 Addition:No.9-11			Addition :No.29,30
P.78-79	Deletion	:No.13-14 Correction:No.20, Remarks Addition:No.20 Correction:No.29, Remarks Addition:No.31	P.26~27	Correction	:No.20, Rank B, Part codes
				Addition	:No.27
P.80-81	Correction	:No.1, Remarks Correction:No.4-8, Remarks Correction:No.15-16, Remarks	P.30~31	Deletion	:No.10
			P.33	Correction	:No.8, Name of part
				Deletion	:No.14, 15, 27 Recommended
				Correction	:No.23, 31, Rank B, Part codes
P.82-83	Added page.		P.35	Correction	:No.1, 14, Rank B, Part codes
P.86-87	Correction	:No.1, Remarks Correction:No.2, Remarks Addition:No.2 Correction:No.4, Q Correction:No.17-19, Remarks Addition:No.20-23		Correction	:No.13, Name of part
			P.36	Deletion	:No.12, 13, 14, 18
			P.37	Correction	:No.4, 5, 6, 8, 17, Rank B, Part codes
				Deletion	:No.12 to No.14
				Addition	:No.19
P.88-89	Correction	:No.1, Part codes, Name of part Correction:No.31-34, Remarks	P.39	Deletion	:No.9 Recommended
			P.40	Deletion	:No.17, Short dashed line
P.90-91	Added page.		P.41	Correction	:No.2, Part codes, Remarks
P.92-93	Correction	:No.7, Remarkss Addition:No.34-35		Correction	:No.2, 4, Rank B, Part codes
				Deletion	:No.3
P.96-97	Added page.		P.42~43	Addition	:No.39-41
				Correction	:No.16, Part codes, Remarks
				Deletion	:No.38
■ Date of issue : '10.07.10			P.43	Correction	:No.16, 31, Rank B, Part codes
■ Revision : 2.0				Correction	:No.27, 38, Rank A, Part codes
Page	Content				
All	Addition	:Rank			
P.9	Addition	: No.4,17,23	P.45	Correction	:No.16, 31, Rank B, Part codes
P.11	Addition	: No.20		Correction	:No.27, 38, Rank A, Part codes
P.17	Correction	:No.2-4, Part codes, Name of part		Deletion	:No.4, 8, 27 Recommended
P.19	Correction	:No.5, Rank B, Part codes	P.47	Correction	:No.1, Rank B, Part codes
P.21	Correction	:No.14, Rank B, Part codes		Correction	:No.3, Part codes
P.22	Correction	:Illustration	P.49	Correction	:No.1, Name of part
P.23	Correction	:No.24, Rank B, Part codes		Deletion	:No.1, 2, 3, 4, 6, 7, Recommended
	Correction	:No.25, Q		Correction	:No.2, Part codes
	Correction	:No.26, Remarks		Correction	:No.16, Rank A, Part codes
	Addition	:No.30	P.51	Deletion	:No.3, 4, 12, Recommended
P.24	Correction	:Illustration		Correction	:No.6, 7, Rank A, Part codes
P.25	Correction	:No.23, Rank B, Part codes		Correction	:No.11, Rank B, Part codes
	Correction	:No.24, Q	P.52	Correction	:Illustration

P.53	Deletion	:M5008870 of No.4		Deletion	:No.9
	Correction	:No.6, Part codes, Remarks	P.80~81	Replace	
P.55	Correction	:No.25, 30, Rank B, Part codes	P.81	Deletion	:No.4, 19, 24, Recommended
	Correction	:No.31, Part codes, Remarks		Correction	:No.25, Rank, Part codes
P.57	Correction	:No.4, 12, Rank B, Part codes	P.83	Correction	:No.2, Rank, Part codes
P.58	Addition	:No.26	P.85	Correction	:No.1, 15, Rank, Part codes
P.59	Addition	:No.3, Remarks		Correction	:No.4, 11, 12, Part codes
	Correction	:No.4, 11, Part codes	P.87	Correction	:No.1, Rank, Part codes
	Correction	:No.6, 7, 8, 16, 24, 25, Rank, Part codes		Correction	:No.8, 10, Part codes, Name of part
	Addition	:No.26		Deletion	:No.15, 18, Recommended
P.62	Addition	:No.31	P.89	Addition	:No.2, M510436
P.63	Correction	:No.7, 9, 10, 17, 19, Rank, Part codes		Correction	:No.3, 20, Rank, Part codes
	Addition	:No.31	P.91	Correction	:No.1, Rank, Part codes
P.64	Deletion	:No.1, 4, Short dashed line	P.92	Correction	
P.65	Deletion	:No.1, 4	P.93	Correction	:No.1, 33, Rank, Part codes
	Correction	:No.7, 11, Part codes, Remarks		Correction	:No.32, Part codes, Name of part
P.67	Correction	:No.3, Rank, Part codes	P.95	Correction	:No.4, Name of part
P.68~69	Correction	:No.2, Name of part, Remarks		Correction	:No.14, 17, 18, Rank, Part codes
	Addition	:No.7, 26~28	P.97	Correction	:No.3, Rank, Part codes
	Addition	:No.4~7, Remarks		Correction	:No.4, Name of part
	Correction	:No.9, 16, Rank, Part codes	P.99	Correction	:No.1, 3~6, Rank, Part codes
	Correction	:No.13, Q		Correction	:No.3, Name of part, Remarks
P.70	Addition	:No.4~6	P.102~103	Added page.	
P.71	Correction	:No.2, Remarks		■ Date of issue : '11.01.21	
	Addition	:No.4~6		■ Revision : 2.1	
P.72	Deletion	:No.17, Short dashed line			
P.73	Correction	:No.16, Rank, Part codes			
	Deletion	:No.17			
P.75	Correction	:No.2, 20, 22, 24, Rank, Part codes			
	Correction	:No.25, Part codes, Remarks			
P.76	Deletion	:No.6~13, Short dashed line			
P.77	Correction	:No.1, Rank, Part codes			
	Deletion	:No.6~13			
	Correction	:No.14~16, Part codes, Remarks			
P.78	Deletion	:No.9, Short dashed line Remarks			
P.79	Correction	:No.7, Remarks			

Page	Content
P.25	Addition : No.30
P.42	Correction : Illustration
P.43	Correction : Part codes, Name of part
P.44	Correction : Illustration

