

JV300-130/160

Mechanical Drawing

Change Tracking

Date	2014.06.19	Manual Ver.	1.1	Remark	
Status	Index	Rev.	Changes		
Revised	0-P.1	1.1	No.1: Corrected, Part code, Name of part No.2: Deleted No.5: Corrected, Name of part No.7: Corrected, Part code		
Revised	1-P.3	1.1	No.11 (Left side part) : Added No.22: Added		
Revised	1-P.4	1.1	No.11 Corrected, Name of part, Remarks No.22: Added		
Revised	1-P.5	1.1	No.8: Corrected, Form		
Revised	2-P.1	1.1	No.9 (Right side part): Deleted		
Revised	2-P.2	1.1	No.7: Corrected, Part code		
Revised	3-P.4	1.1	No.10: Corrected, Part code		
Revised	3-P.5 3-P.6	1.1	No.28, 29: Added		
Revised	4-P.4	1.1	No.9: Corrected, P*1		
Revised	7-P.2	1.1	No.16: Corrected, Part code		
Revised	10-P.2	1.1	No.2: Corrected, Part code		
Revised	11-P.2	1.1	No.12: Corrected, Part code		
Revised	13-P.2	1.1	No.10: Corrected, Name of part No.12: Deleted Rank		
Revised	14-P.1	1.1	No.2: Added No.16 to 18: Added		
Revised	14-P.2	1.1	No.2: Corrected, Quantity No.16 to 18: Added		
Revised	17-P.2	1.1	No.5: Corrected, Part code		
Revised	17-P.5	1.1	No.46: Added E107991: Added		
Revised	17-P.6	1.1	No.46: Added		
Revised	19-P.2	1.1	No.25: Corrected, Part code, Deleted, Remarks		
Revised	19-P.4	1.1	No.7: Corrected, Part code No.14: E301102 --> MP-E301102 Deleted E301067		

Date	2014.05.29	Manual Ver.	1.00	Remark	
Status	Index	Rev.	Changes		
Released			New issued		

Mechanical Drawing										Rev.
Model	JV300	Issued	2014.05.29	Revised		F/W ver	1.00	Remark		
Mechanical Drawing Contents										1.0



About recommended parts

The recommended parts are ranked as follows:

- A: Parts which may require to be replaced within one year after release. Parts to be replaced periodically.
- B: Parts recommended to be stocked by dealers

0. RECOMMENDED PARTS LIST

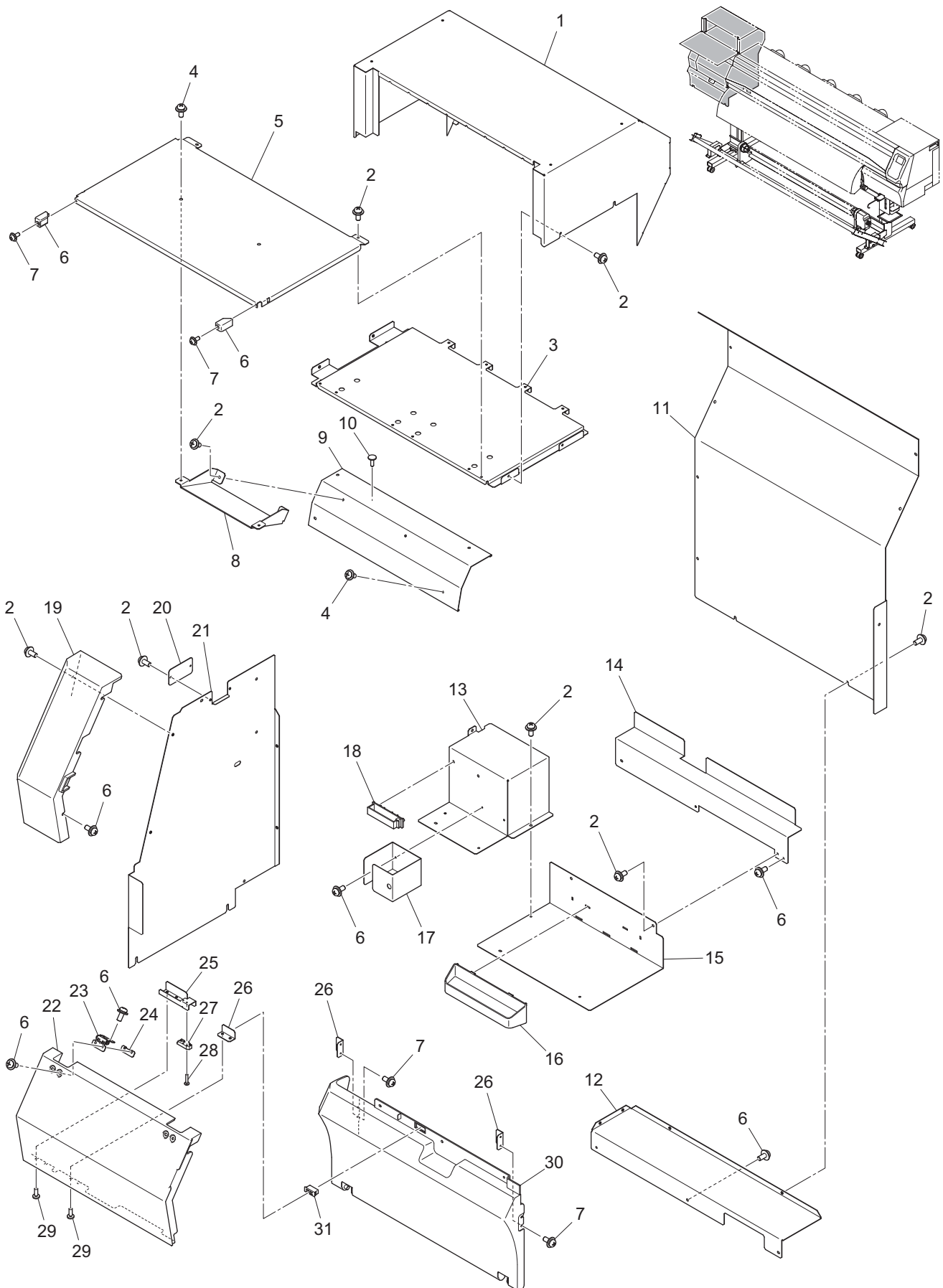
1. COVER ASSY. -1/3
2. KEYBOARD ASSY.
3. FRAME ASSY. -1/3
4. CLAMP ASSY. -1/2
5. X-DRIVE ASSY.
6. Y-DRIVE ASSY.
7. Y-BAR ASSY.
8. BEAR ASSY.
9. STATION ASSY.
10. CAP BASE ASSY.
11. WIPER ASSY.
12. NOZZLE DETECT ASSY.
13. WASTE INK PUMP ASSY.
14. CARTRIDGE ASSY. -1/2
15. SUPPLY PUMP ASSY. -1/2
16. WASH CARTRIDGE ASSY. -1/2
17. CARRIAGE ASSY. -1/3
18. PLATEN ASSY. -1/3
19. ELECTRICAL BOX ASSY. -1/2
20. LEG ASSY.
21. FEEDING DEVICE ASSY.
22. TAKE-UP DEVICE ASSY.
23. AMF ASSY. -1/2(OPTION)
24. PACKING ASSY. -1/2
25. BLOCK DIAGRAM

Mechanical Drawing									Rev.
Model	JV300	Issued	2014.05.29	Revised	2014.06.19	F/W ver	1.00	Remark	
0. RECOMMENDED PARTS LIST									1.1

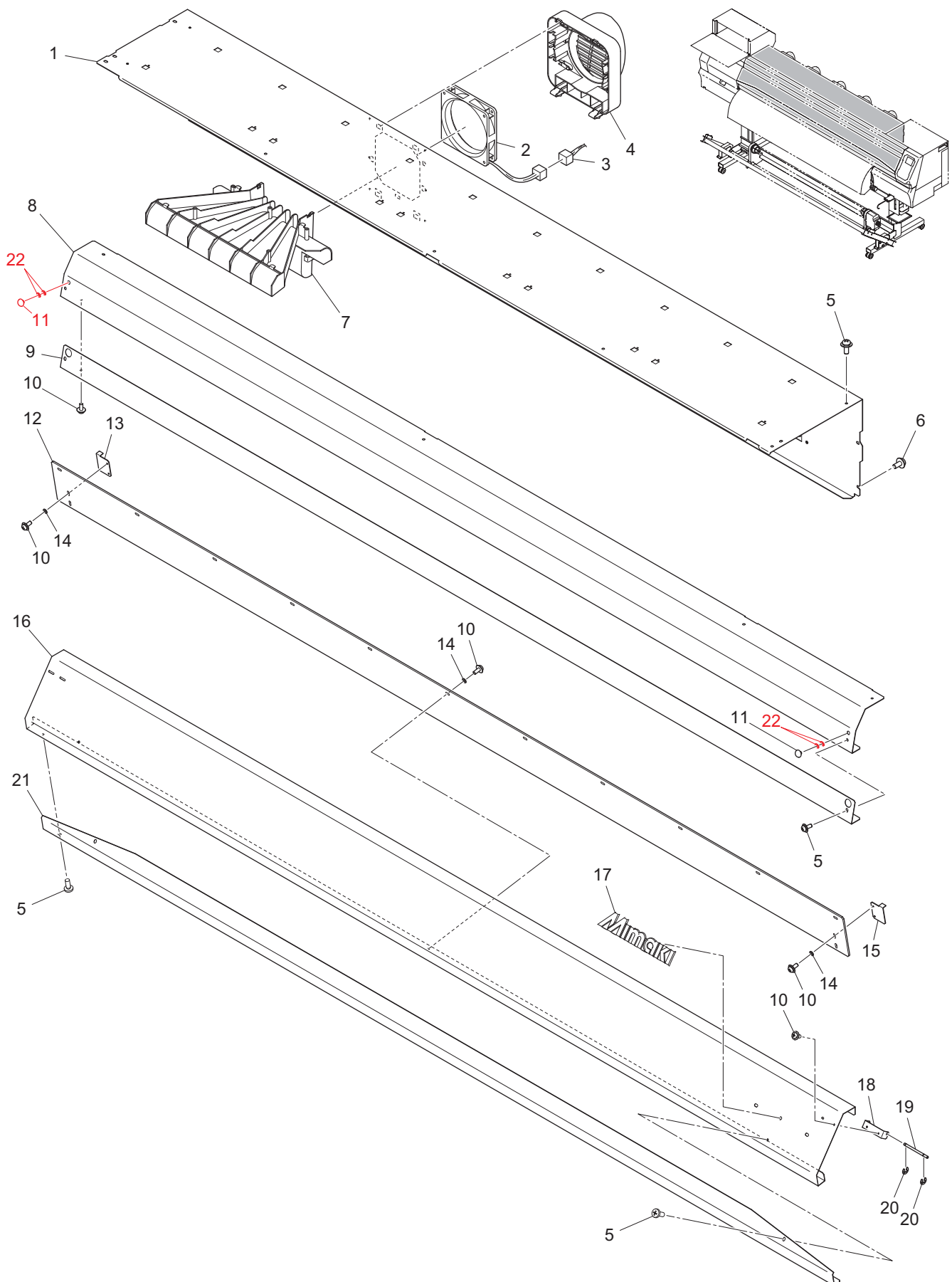
No.	Rank	Parts codes	Name of part	Devison	Remarks	Changed
1	A	MP-M905240	Cap head assy.			C
2		Deleted				C
3	A	MP-M015001	Pressure damper assy.			
4	A	MP-M015265	CP pad assy.			
5	A	MP-M015329	Selective path, pump-tube assy.			C
6	A	MP-M602093	Wiper slider 33		JV33	
7	A	MP-M015260	Wiper cleaner			
8	B	MP-E000019	EPL2 Main PCB assy.			
9	B	MP-M015294	JV clamp assy.			
10	B	MP-E107587	PD AMP PCB assy.			
11	B	MP-E107936	CART IO PCB assy.			
12	B	MP-E107938	Slider 2H PCB assy.			
13	B	MP-E107944	COM32 IO PCB assy.			
14	B	MP-E300532	Servo motor assy. (X)			
15	B	MP-E301039	Solenoid micro clutch			
16	B	MP-E301098	Blower LC Fan			
17	B	MP-E301099	Y scale 1600LC 180			
18	B	MP-E301100	Y scale 1300LC 180			
19	B	MP-E301109	Step motor (56 square)			
20	B	MP-KI3781-AALF	Photo interrupter			
21	B	MP-M015182	Filter SIN assy.			
22	B	MP-M015273	Take-up right assy.			
23	B	MP-M015290	Y drive motor assy.			
24	B	MP-M015304	Cartridge valve assy.			
25	B	MP-M015308	FFC assy.			
26	B	MP-M015313	D pump assy.			
27	B	MP-M015316	D valve assy.			
28	B	MP-M015372	5540 Head assy.			
29	B	MP-M208560	P roller axis 47			
30	B	MP-M209089	Ink needle 1.2A			
31	B	MP-M603012	Fitting φ3			
32	B	MP-M603013	Fitting φ2			
33	B	MP-M603384	3 Way fitting φ2			
34	B	MP-M603425	FIT_L_2			
35	B	MP-M603827	FIT damper			
36	B	MP-M700322	Pinch roller (Urethane)		JV5/JV33/ JV34/JV400	
37	B	MP-M700734	F seal rubber 300			
38	B	MP-M802050	P soak pad			
39	B	MP-M802051	CA soak pad			
40	B	MP-M802053	NCU soak pad			
41	B	MP-M802118	W soak pad			
42	B	MP-PS122TL8-A	Reflection sensor			
43	B	MP-ZWS15B-5	15W 5V power			
44	B	MP-ZWS240BP-48/R	240W 42V power			

Mechanical Drawing							Rev.
Model	JV300	Issued	2014.05.29	Revised	F/W ver	1.00	Remark
0. RECOMMENDED PARTS LIST							1.0

No.	Rank	Parts codes	Name of part	Devision	Remarks	Changed

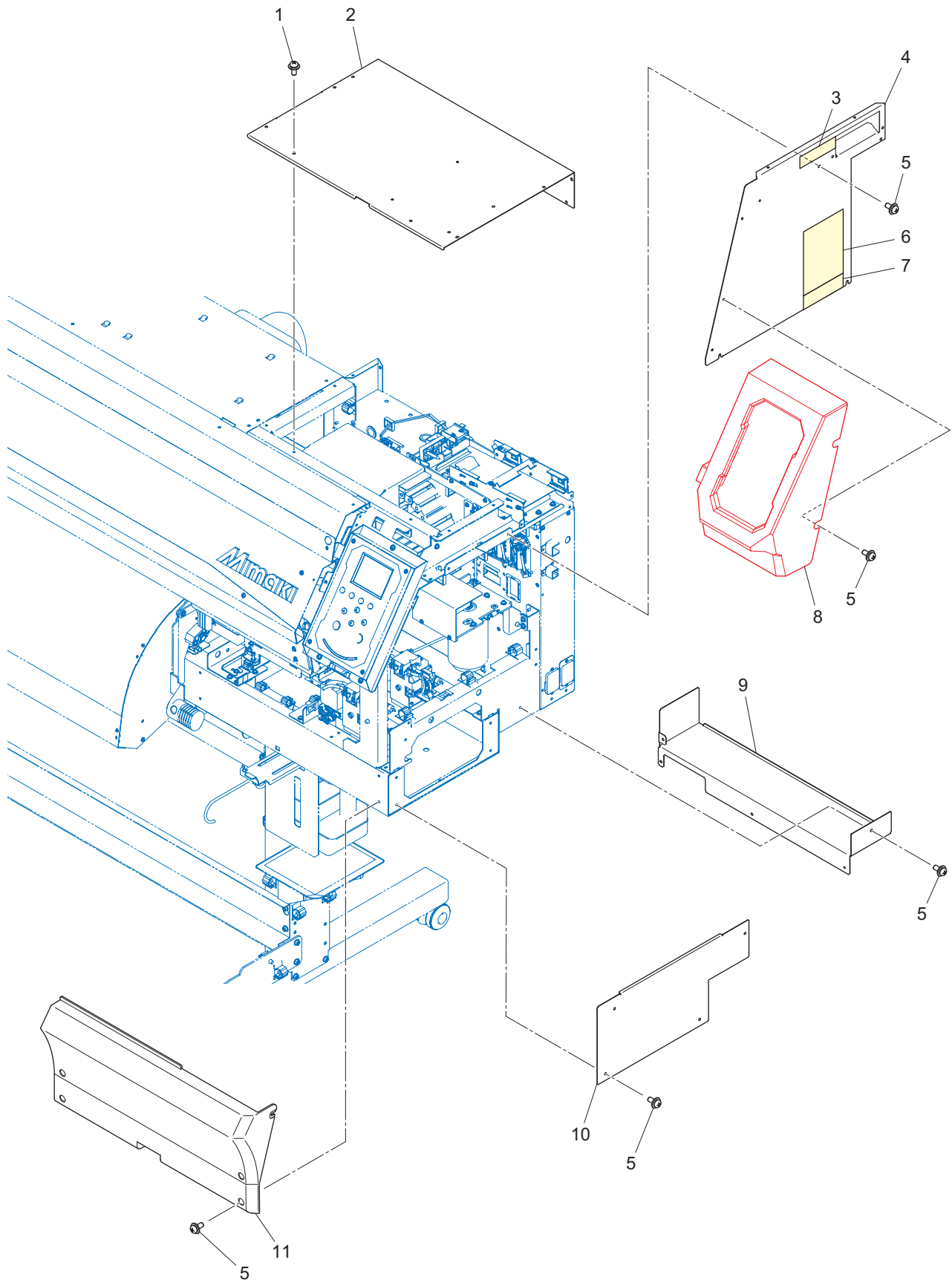


1. COVER ASSY. -2/3



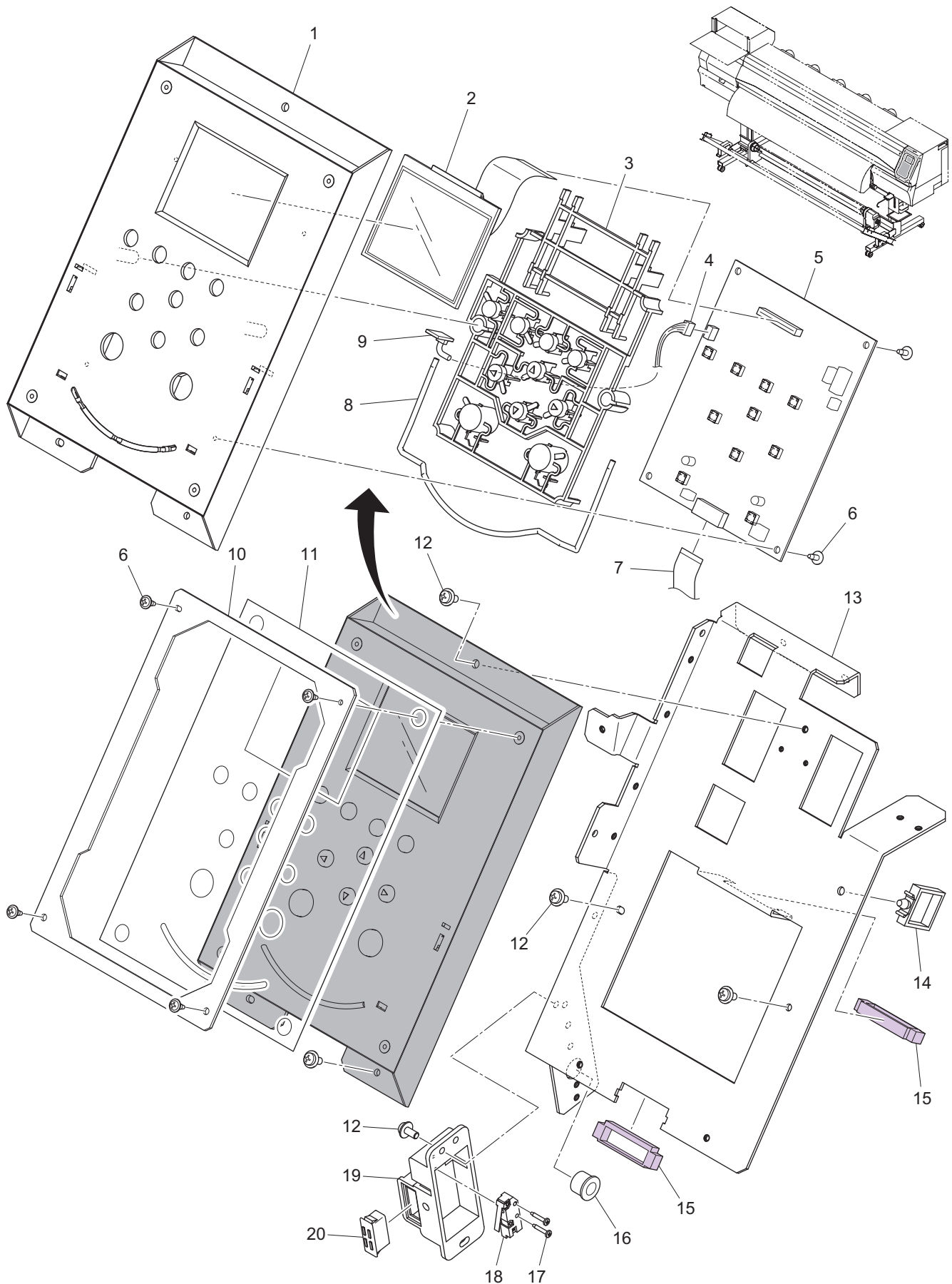
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

1. COVER ASSY. -3/3

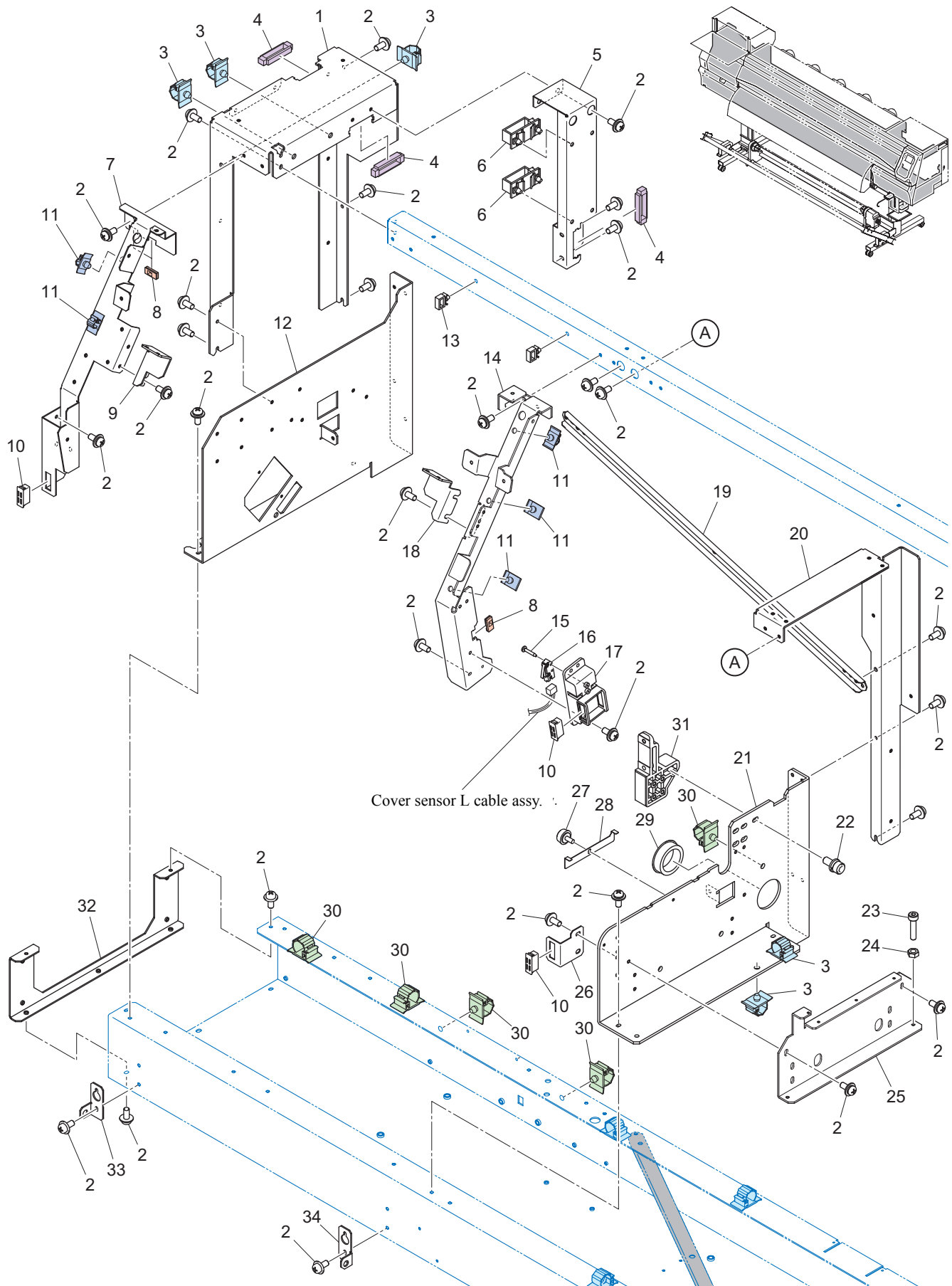


*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

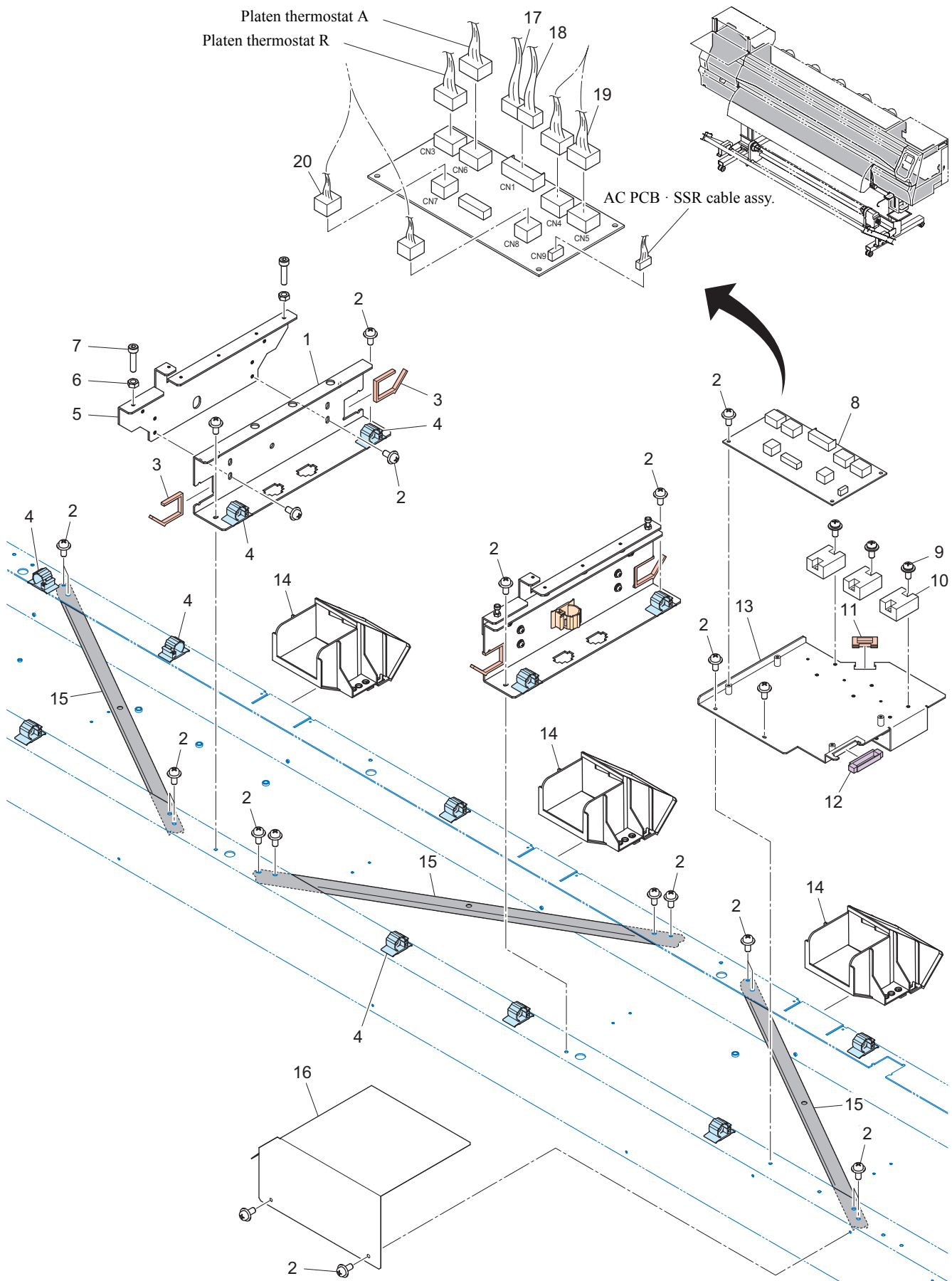
2. KEYBOARD ASSY.



3. FRAME ASSY. -1/3



3. FRAME ASSY. -2/3

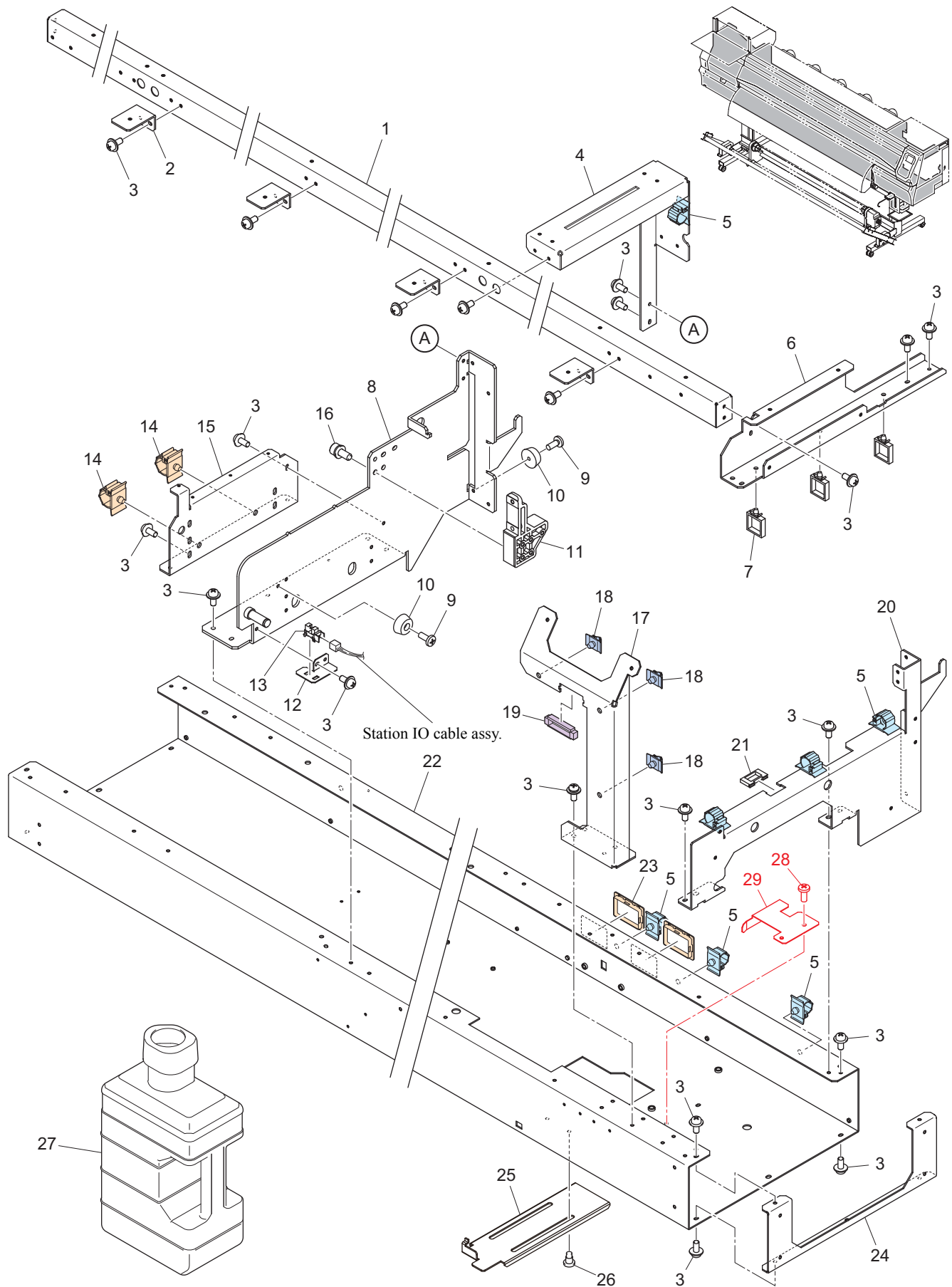


3. FRAME ASSY. -2/3

[illegible]

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

3. FRAME ASSY. -3/3

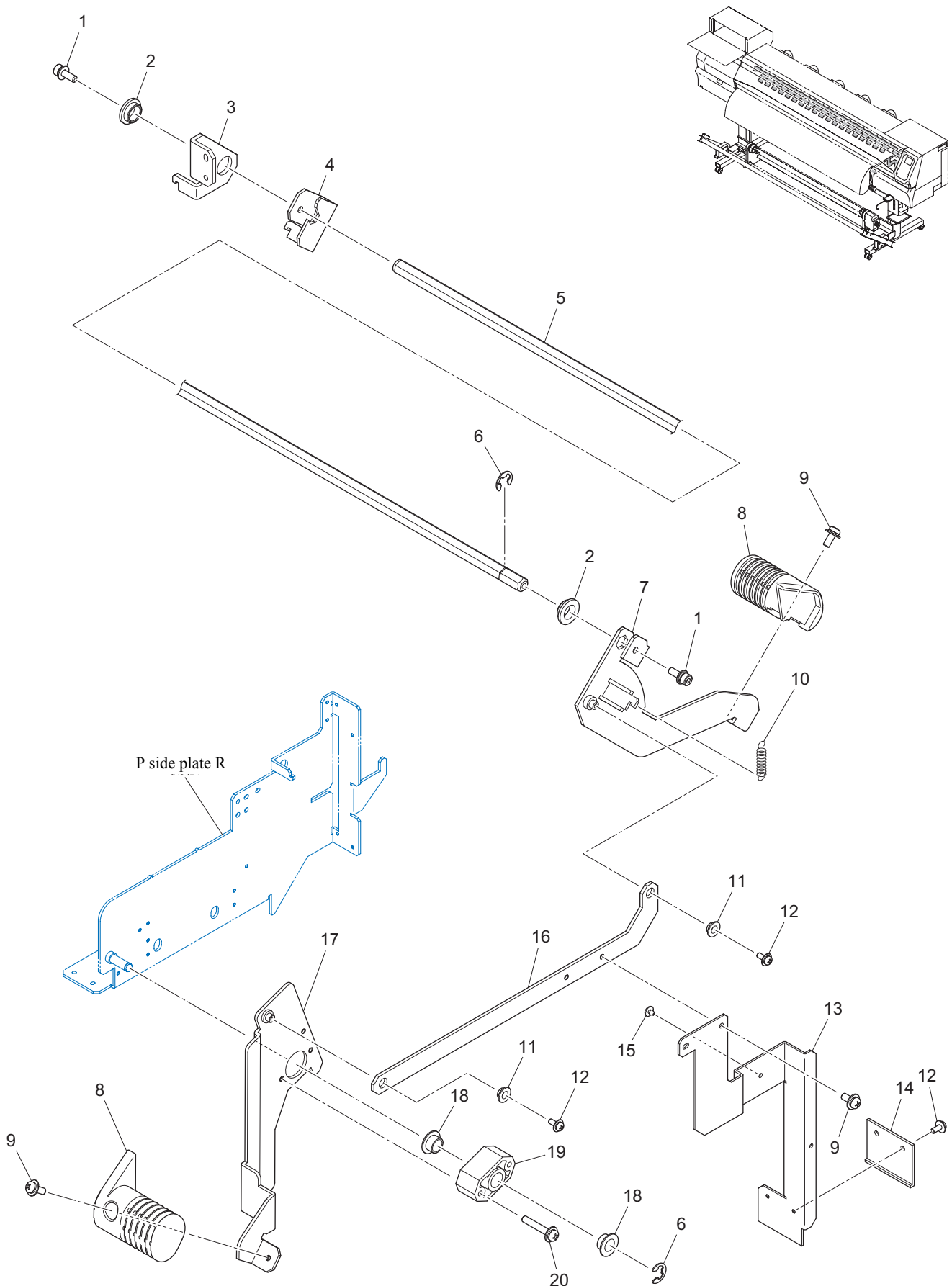


3. FRAME ASSY. -3/3

[illegible]

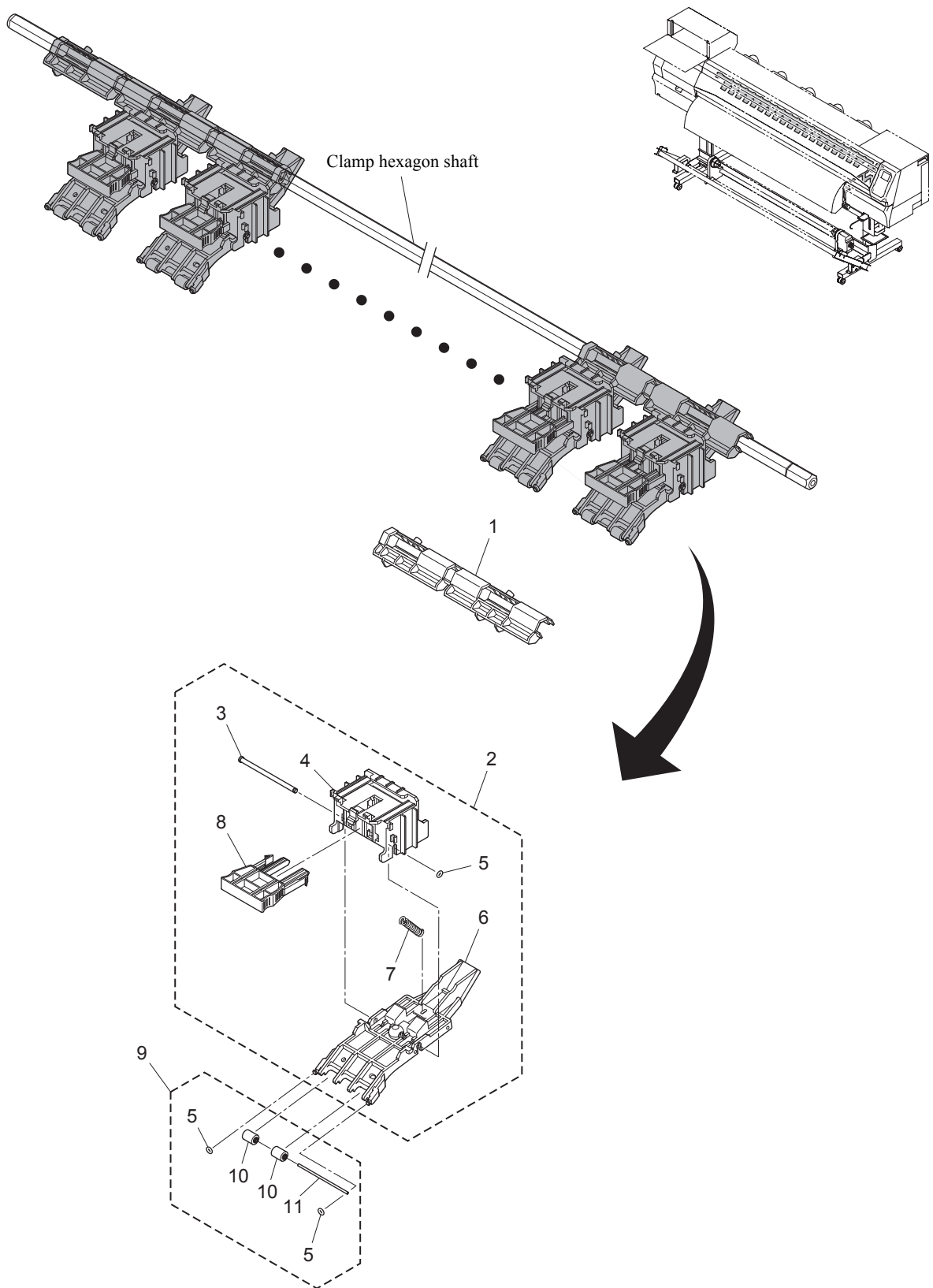
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

4. CLAMP ASSY. -1/2



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

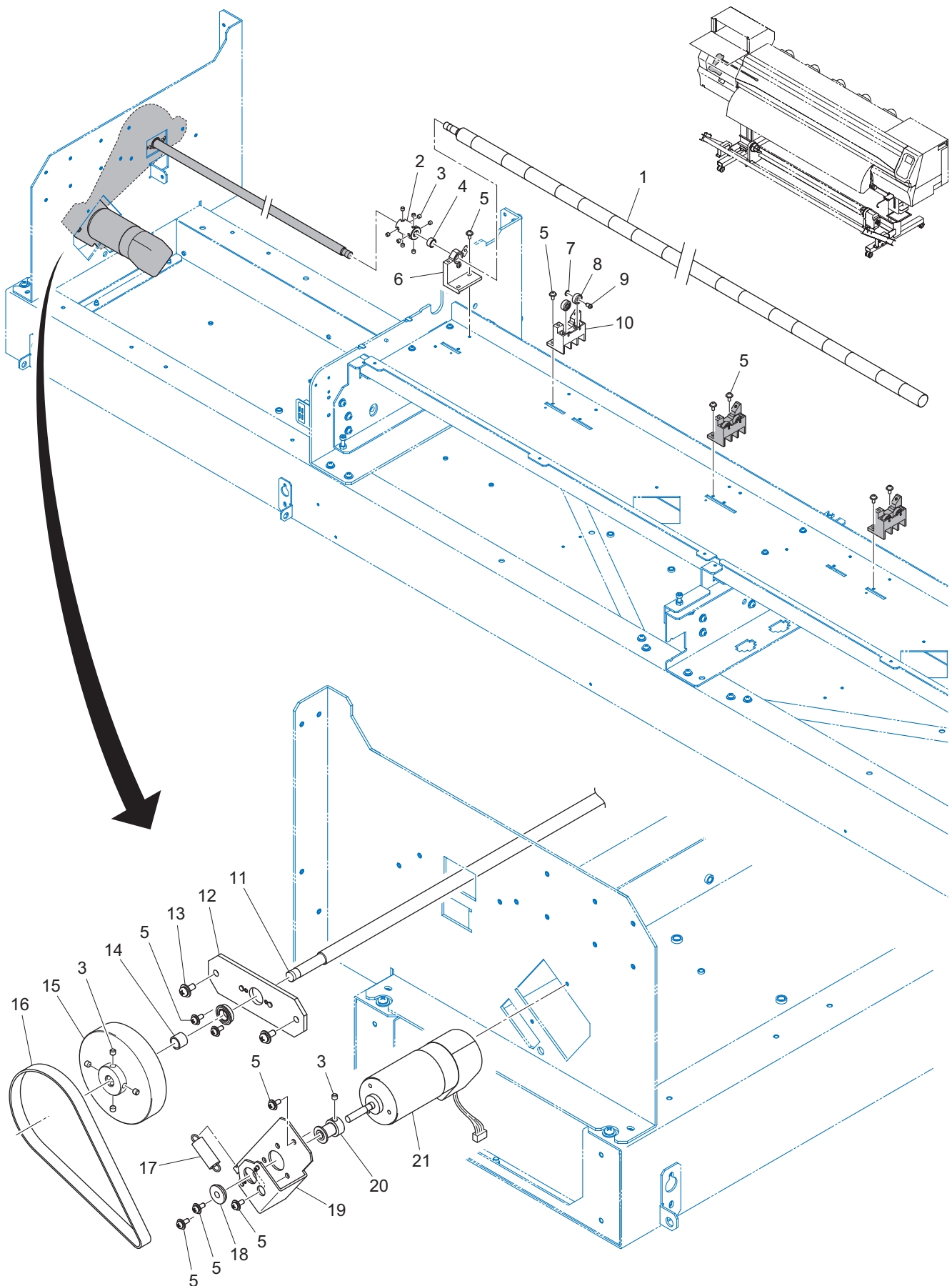
4. CLAMP ASSY. -2/2



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

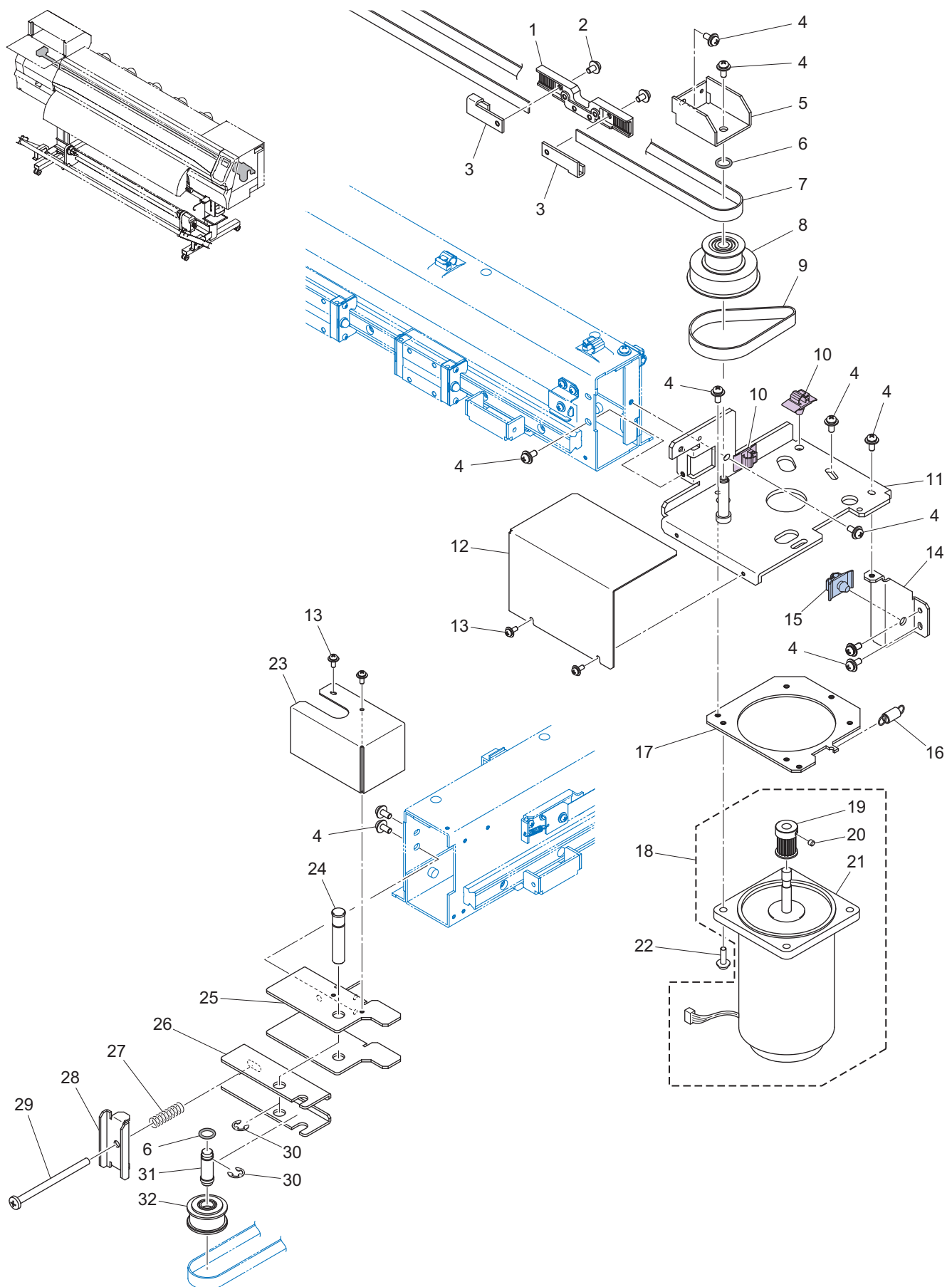
5. X-DRIVE ASSY.

1.0



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

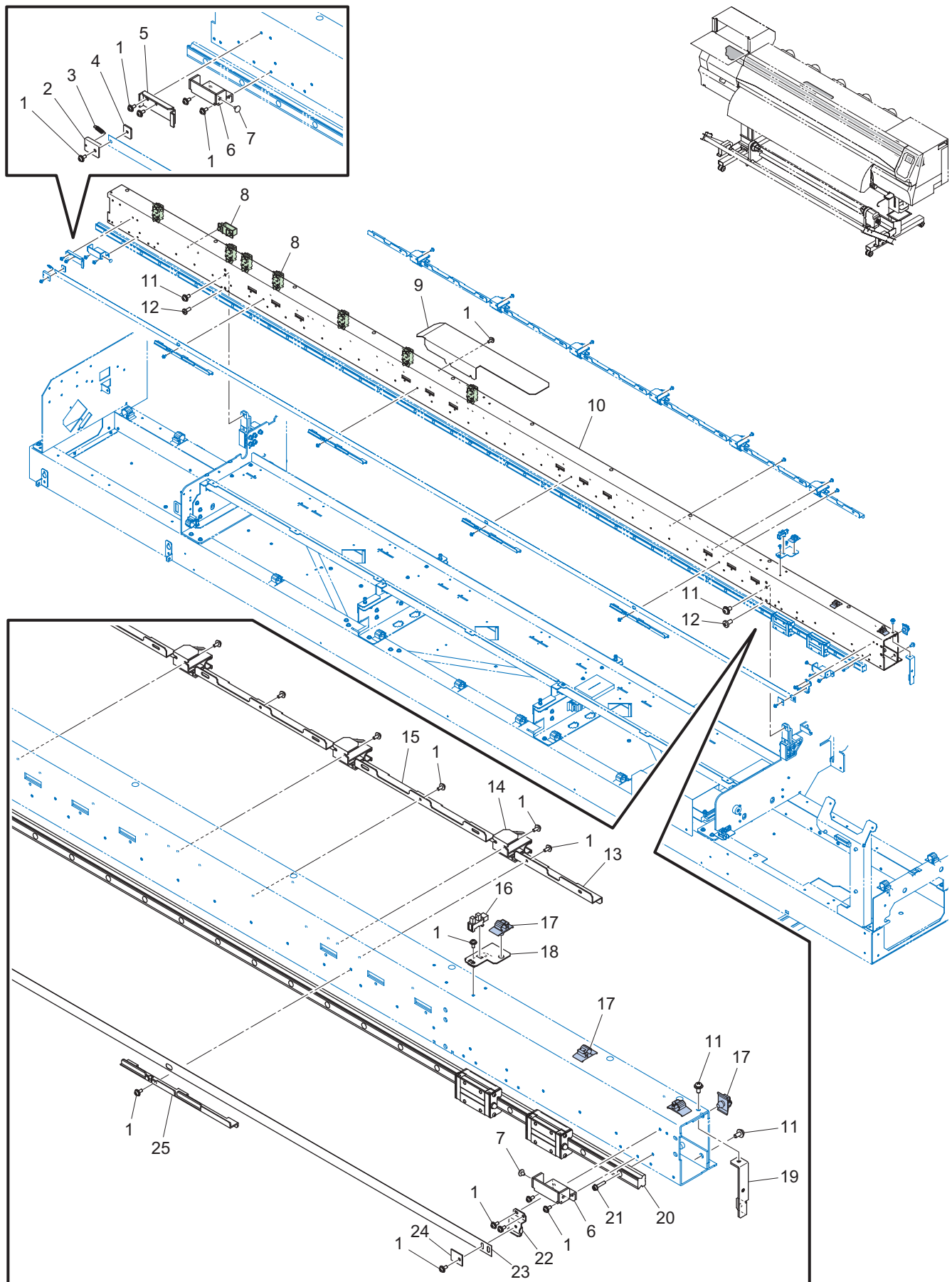
6. Y-DRIVE ASSY.



[illegible]

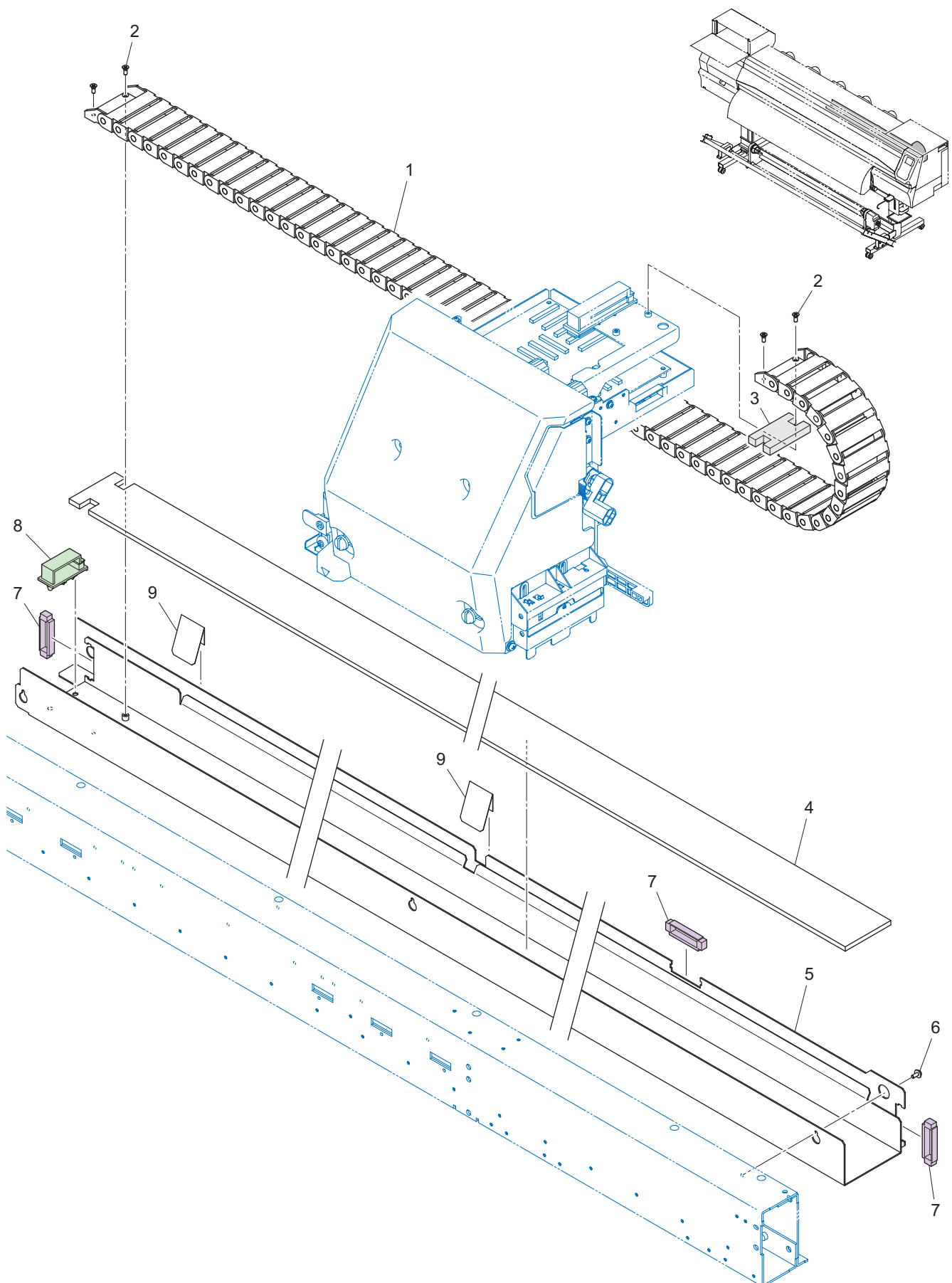
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

7. Y-BAR ASSY.

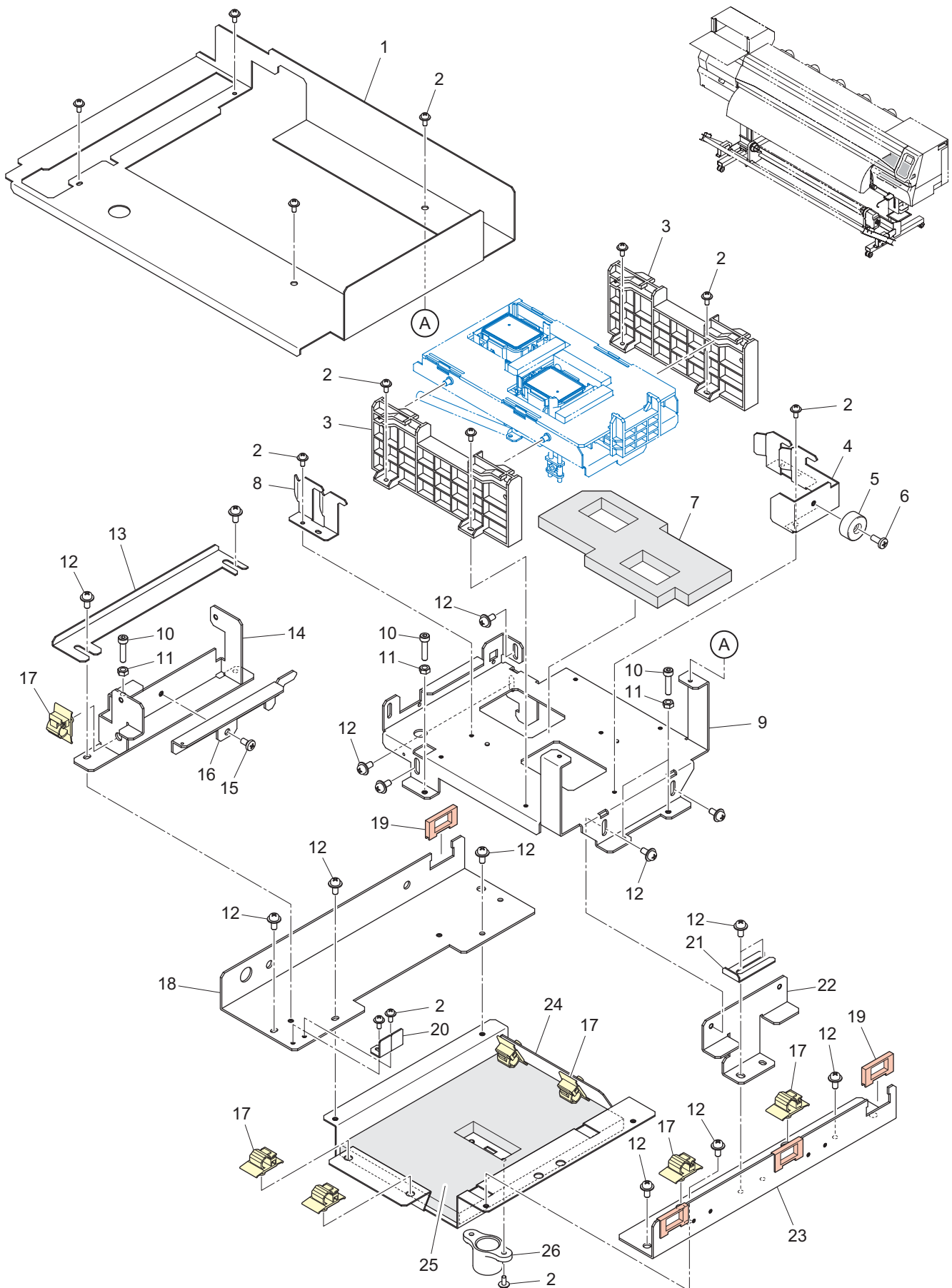


*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

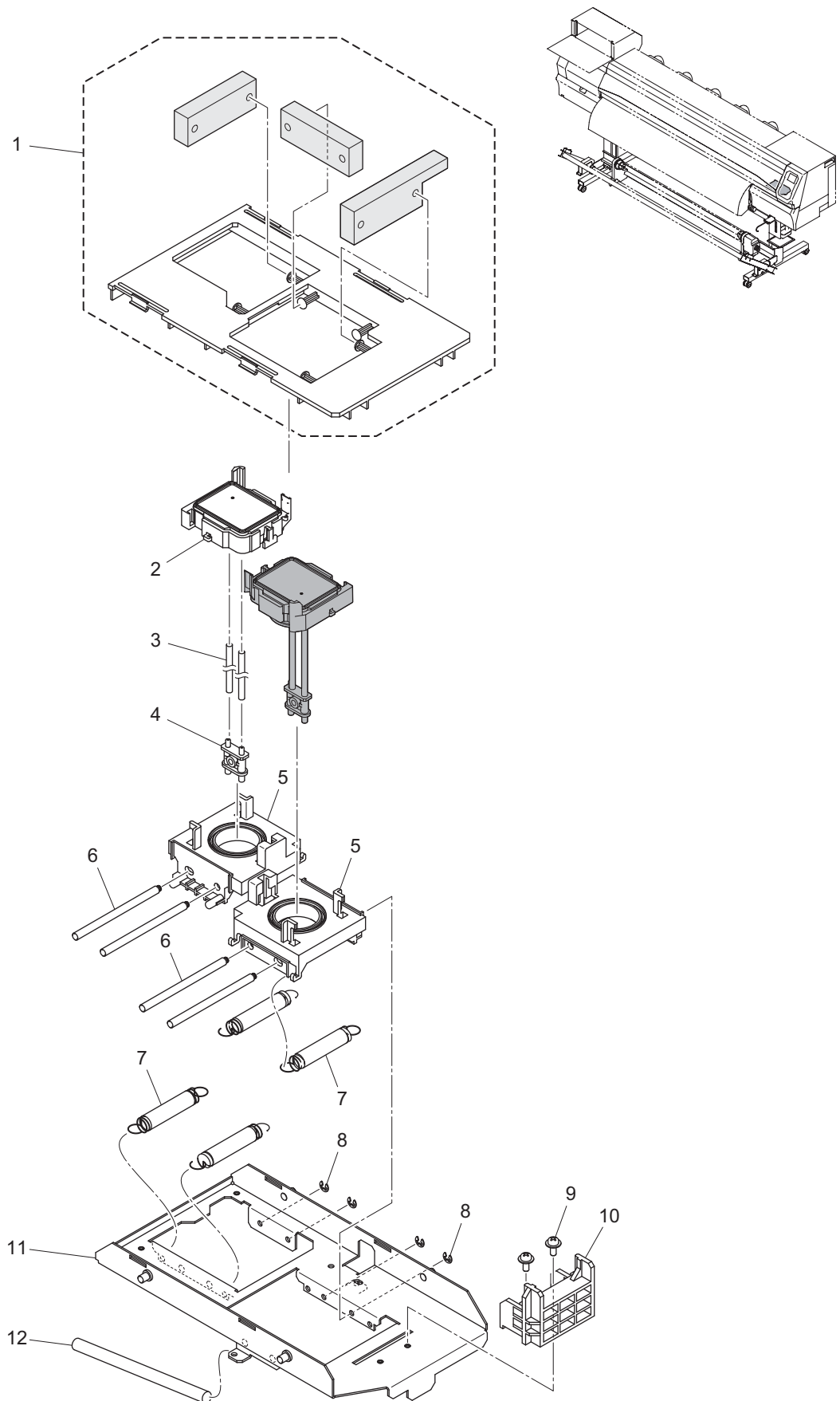
8. BEAR ASSY.

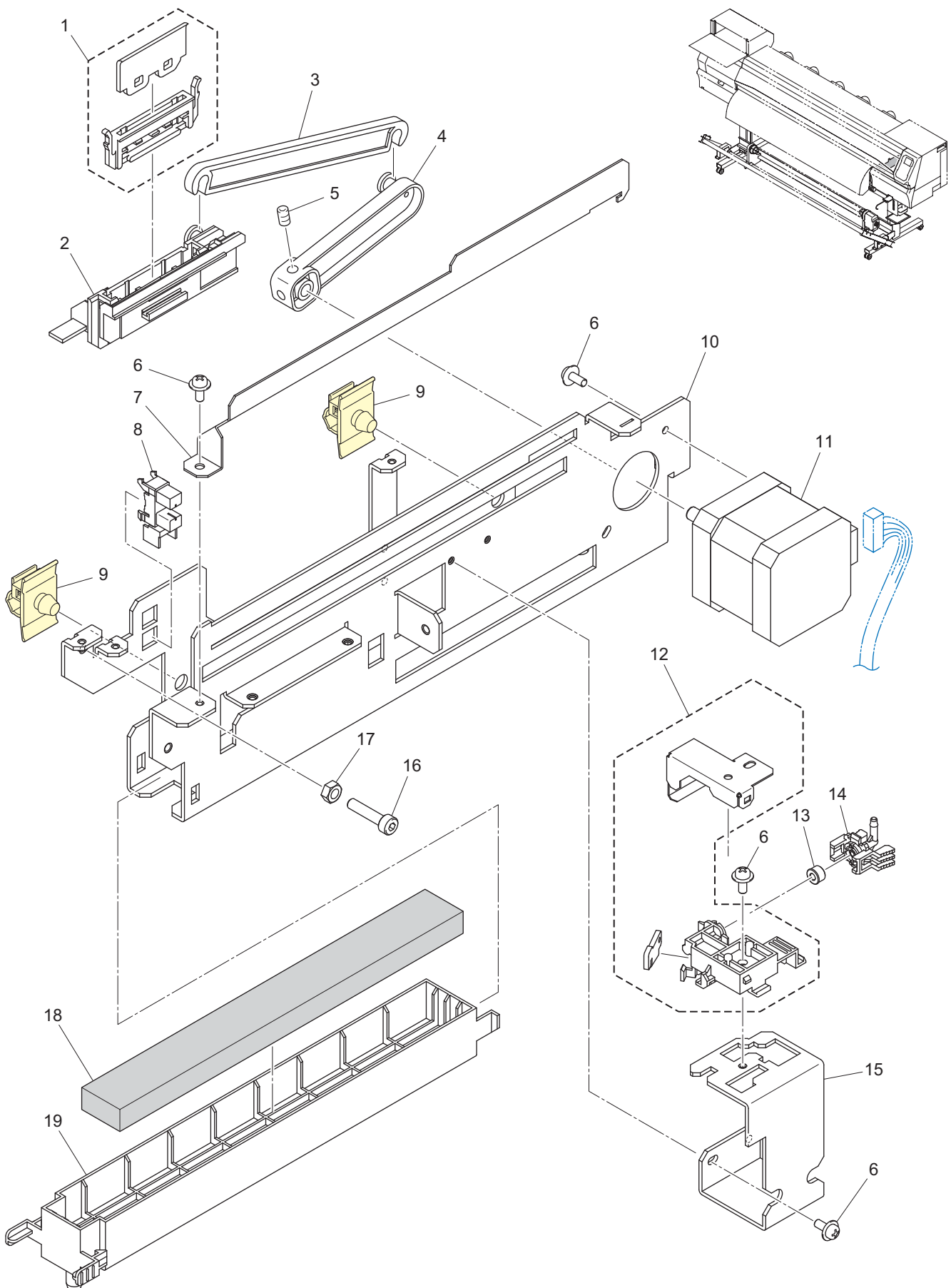


*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

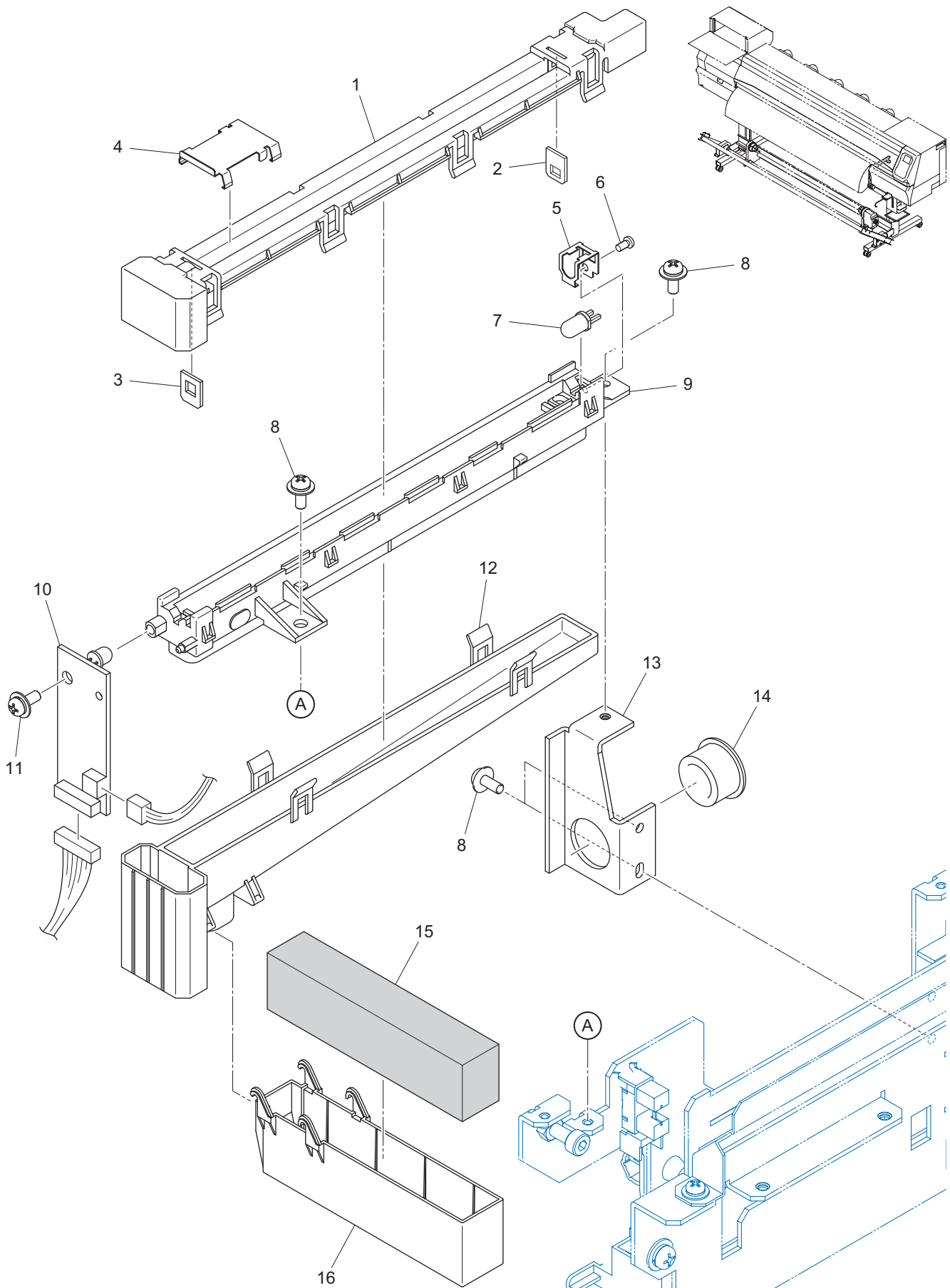
9. STATION ASSY.

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

10. CAP BASE ASSY.**1.0**

11. WIPER ASSY.

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

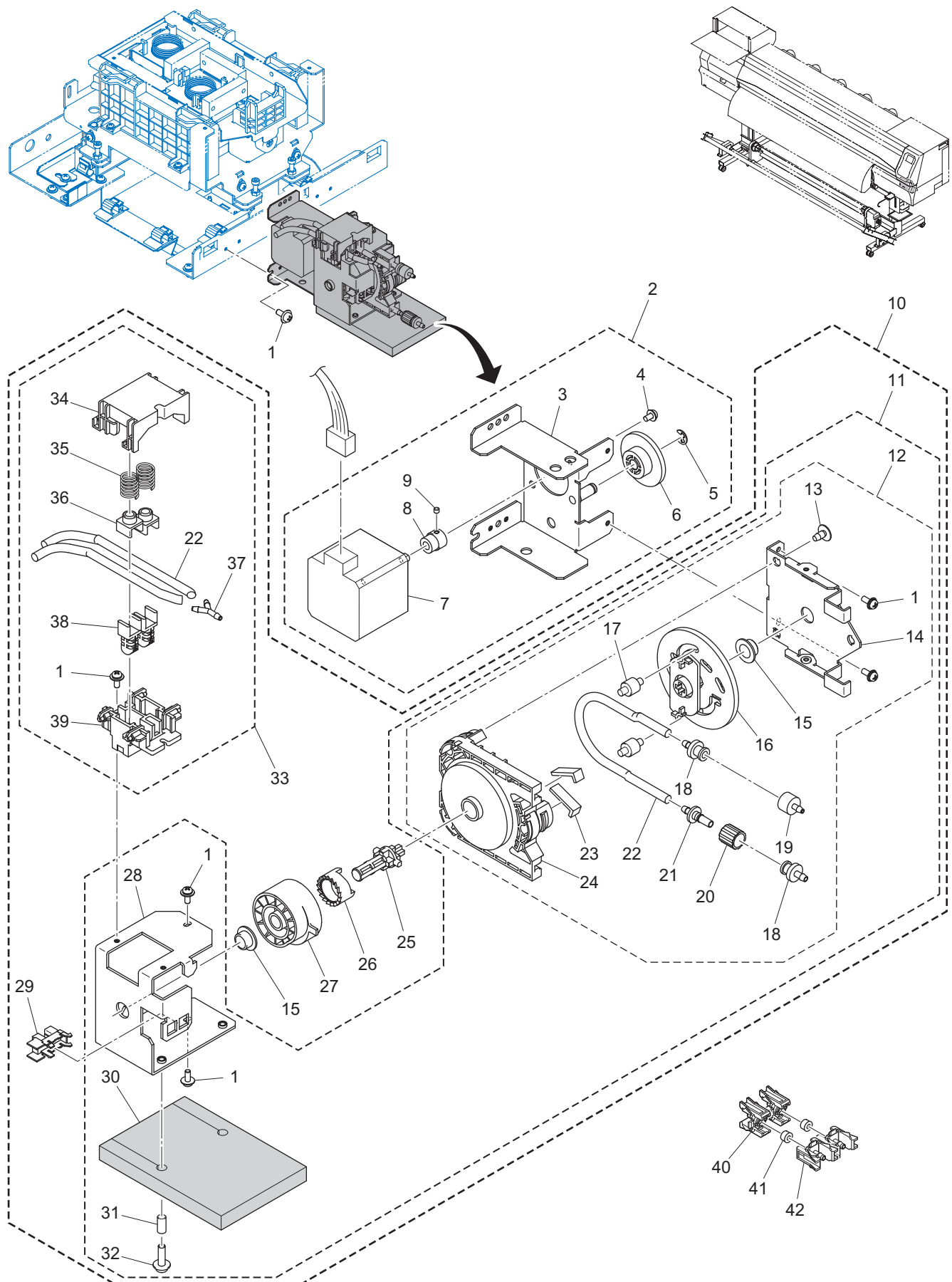
12. NOZZLE DETECT ASSY.

[illegible]

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

13. WASTE INK PUMP ASSY.

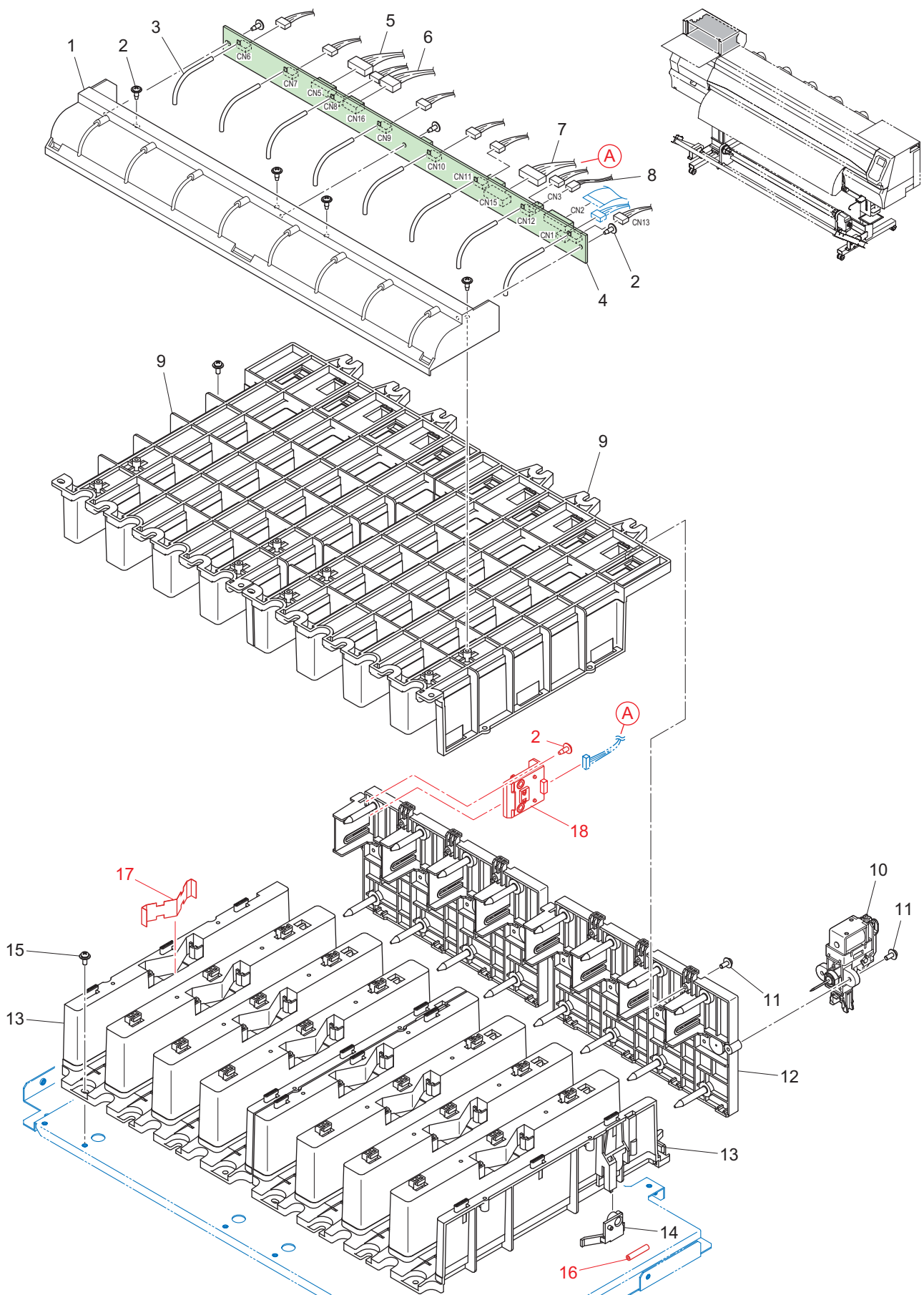
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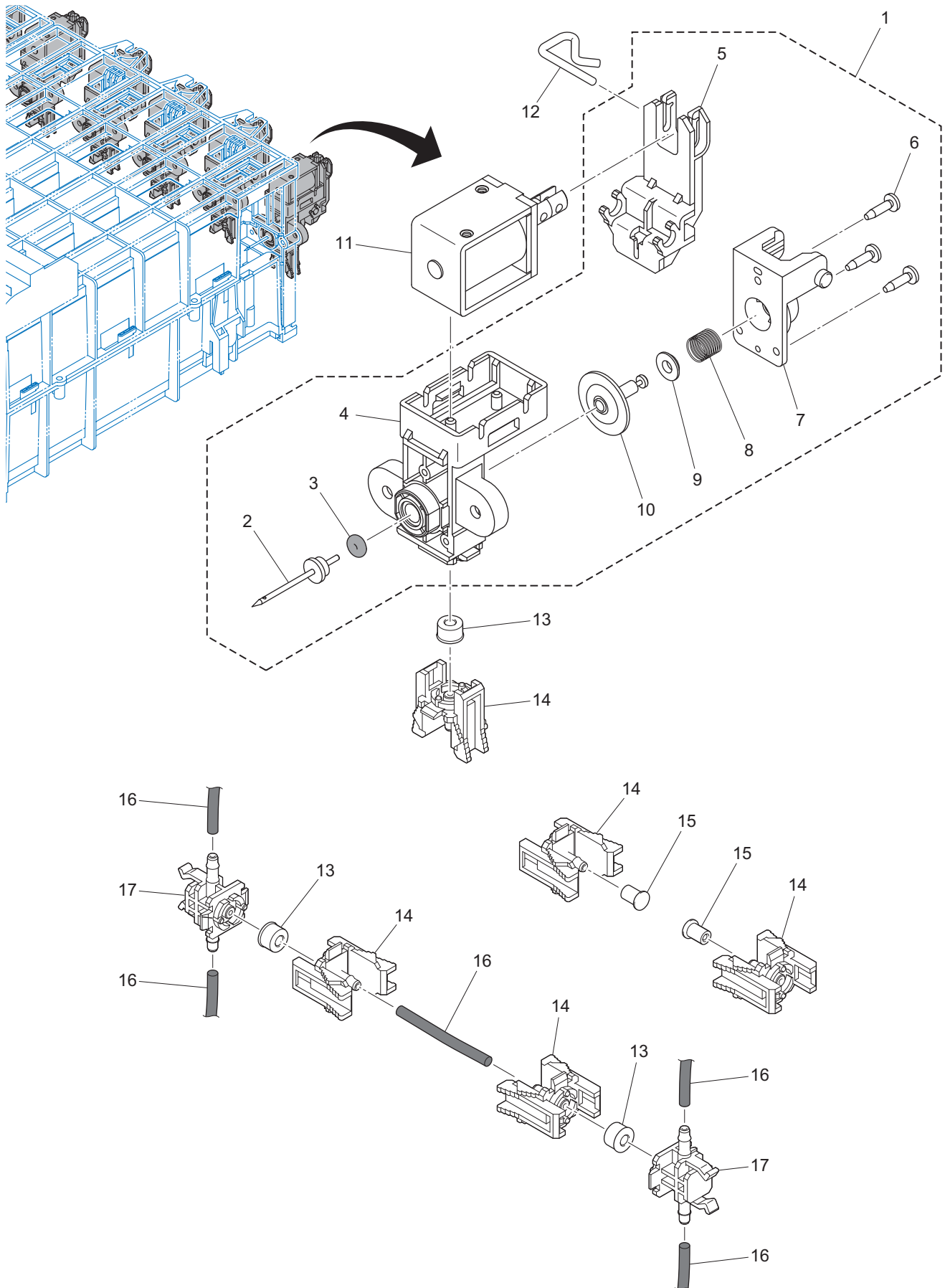
Mechanical Drawing								Rev.
Model	JV300	Issued	2014.05.29	Revised	2014.06.19	F/W ver	1.00	Remark
13. WASTE INK PUMP ASSY.								1.1

No.	Rank	Part codes	Name of part	Remarks	Quantity used				Common Model	P*1	M*2
					300-160	300-130					
1		MM-000559	Screw	P3x8SMW Black	8	←					
2		M015328	Suck pump motor assy.		1	←					C
3		M514914	Motor sheet metal		1	←			JV400		
4		MM-000544	Screw	P3x5SMW	2	←					
5		MM-000166	E-ring	E-4 SUS	1	←					
6		M602804	Pump middle slowdown gear		1	←			JV400		
7		MP-E300495	Step motor		1	←					
8		M400210	Pump motor gear		1	←			JV400		
9		MM-000737	Hexagon socket head screw	SSWP3x3(R) Black	1	←					
10	A	MP-M015329	Selective path, pump-tube assy.		1	←					C
11		M015330	Tube pump assy.		1	←					
12		MP-M011571	Tube pump 1 assy.		2	←			JV400		C
13		MM-000626	Screw	TP4x8F	3	←					
14		M514913	Pump sheet metal		1	←			JV400		
15		MM-001339	#80 flange bush	80F-0805	2	←					
16		M602844	Pump gear		1	←			JV400		
17		M207290	Pump roller		2	←			JV400		
18			Joint tubing PP	FTLL013-6	2	←					
19			Mini fitting	VRM206	1	←					
20			Lock ring (black)	FSLLR-2	1	←					
21			Joint tubing PP	MLRL013-6	1	←					
22		MP-TP-SX 3*5	Elastomer tube 3*5 (30m roll)		0.5m	←					
23		M700637	L rubber		2	←			JV400		
24		M602554	Pump base		1	←			JV400		
25		M603580	P clutch		1	←					
26		M603579	Drive gear		1	←					
27		M603578	3W cam		1	←					
28		M519745	PS base		1	←					
29	B	MP-KI3781-AALF	Photo interrupter		1	←					
30	B	MP-M802050	P soak pad		1	←					
31		MM-001359	Collar	4x10	2	←					
32		MM-000578	Screw	P4x15SMW	2	←					
33		M015264	Selective path assy.		1	←					
34		M603585	Spring holder		1	←					
35		M801918	Spring PO		2	←					
36		M603582	Tube holder		2	←					
37			Mini fitting	Y220-6	1	←					
38		M603583	Follower		2	←					
39		M603581	Shut up block base P		1	←					
40	B	MP-M603013	Fitting φ2		2	←					
41	B	MP-M700734	F seal rubber 300		2	←					
42	B	MP-M603012	Fitting φ3		2	←					

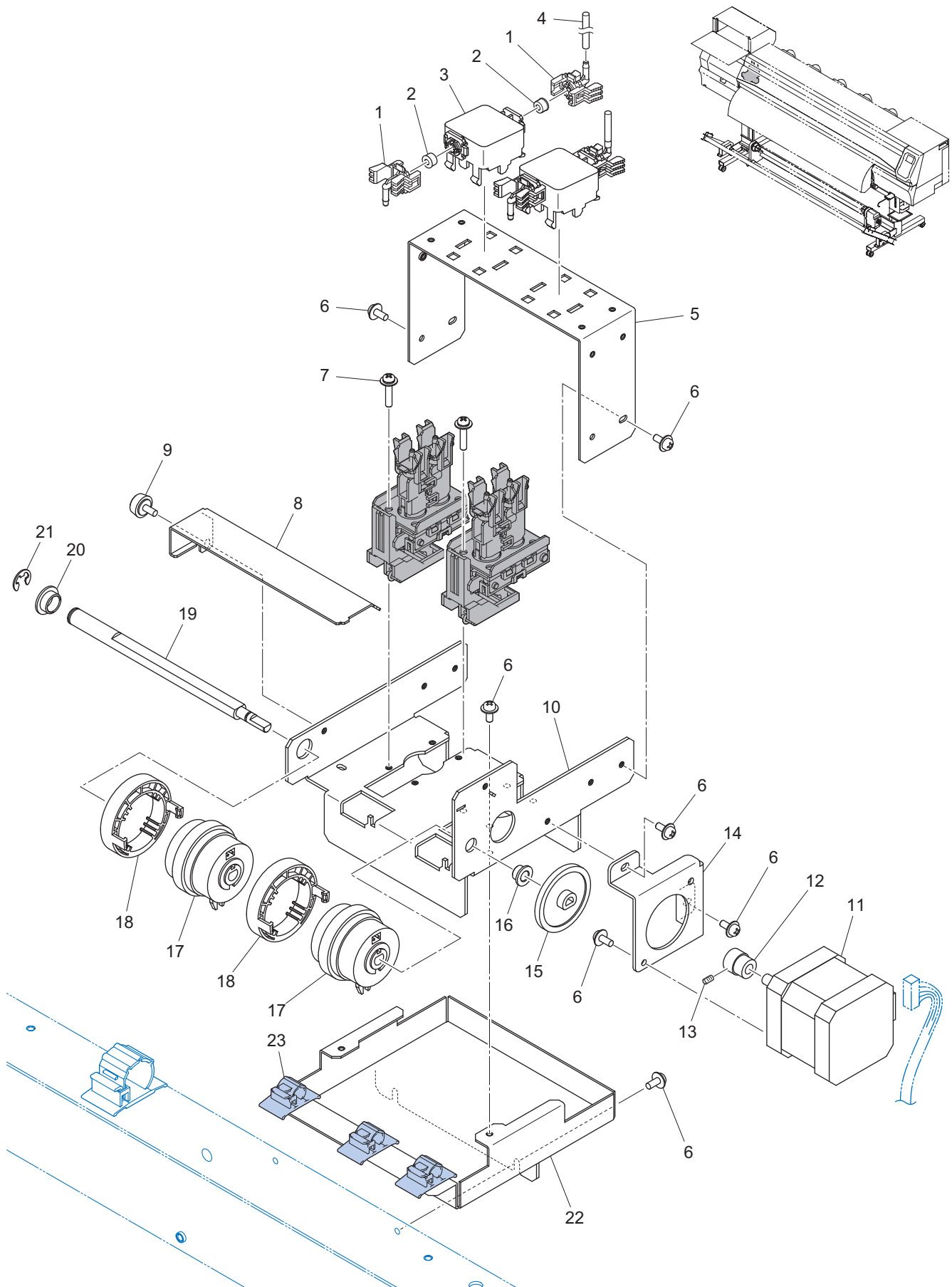
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

14. CARTRIDGE ASSY. -1/2

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



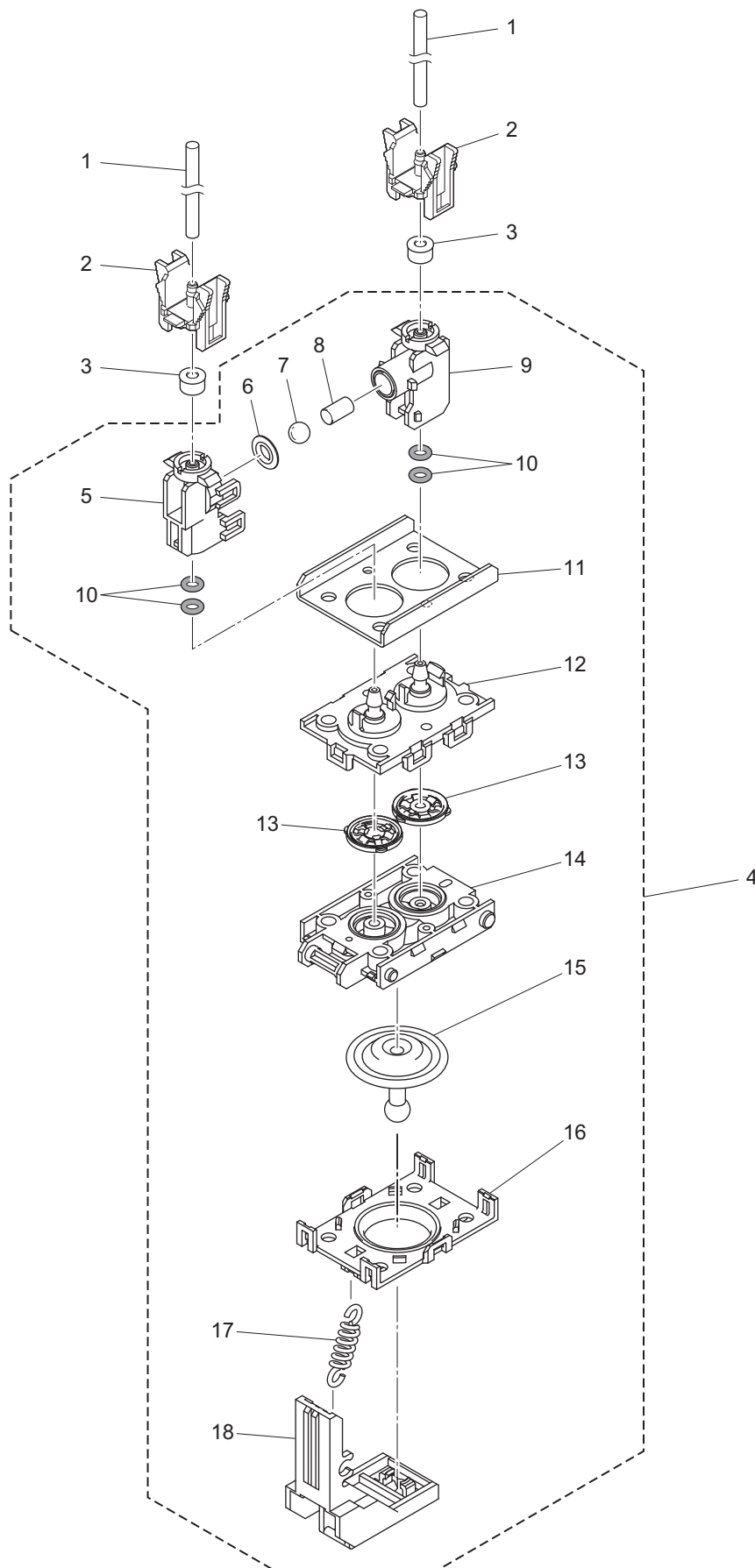
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

15. SUPPLY PUMP ASSY. -1/2

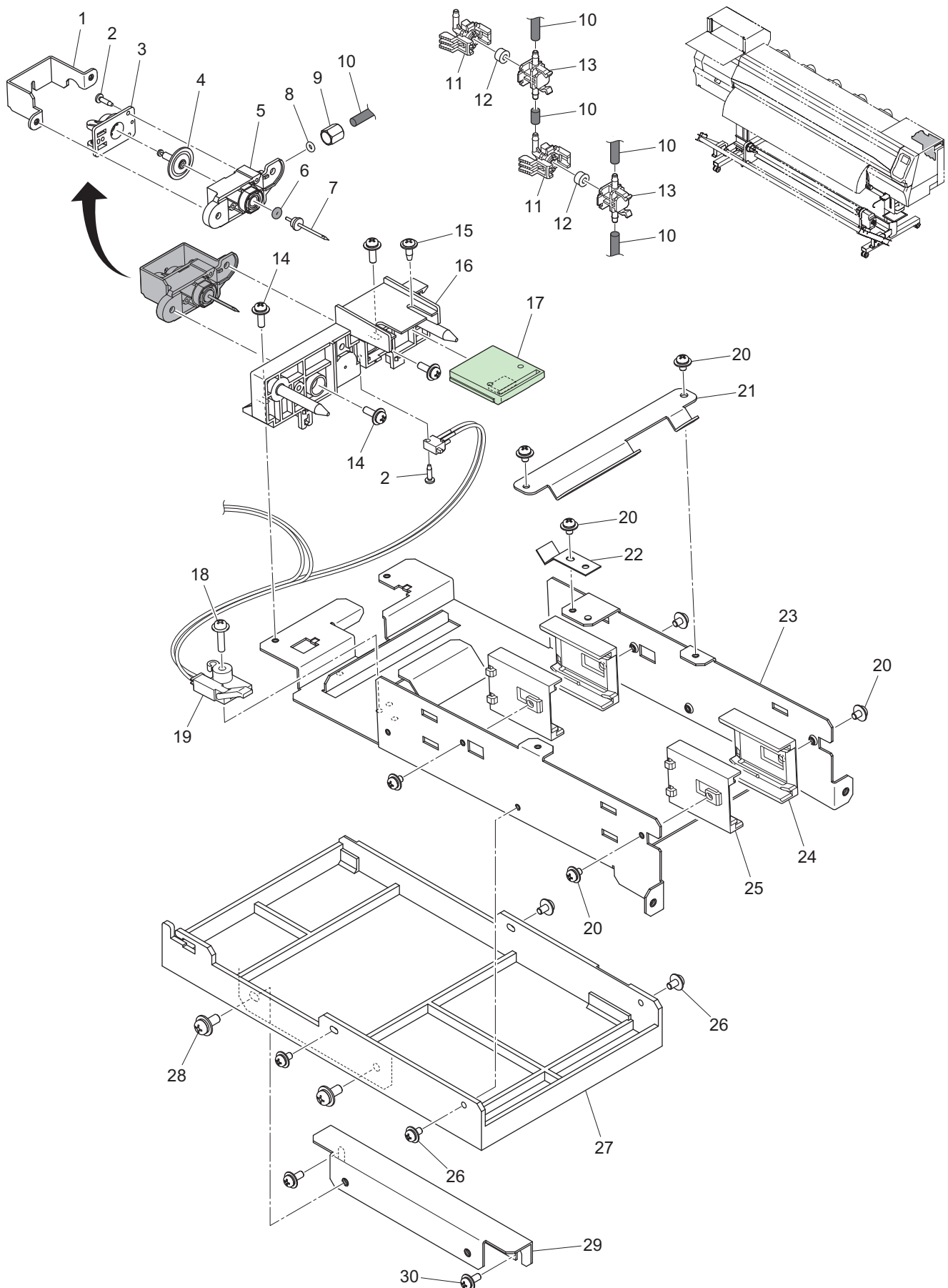
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

15. SUPPLY PUMP ASSY. -2/2

1.0

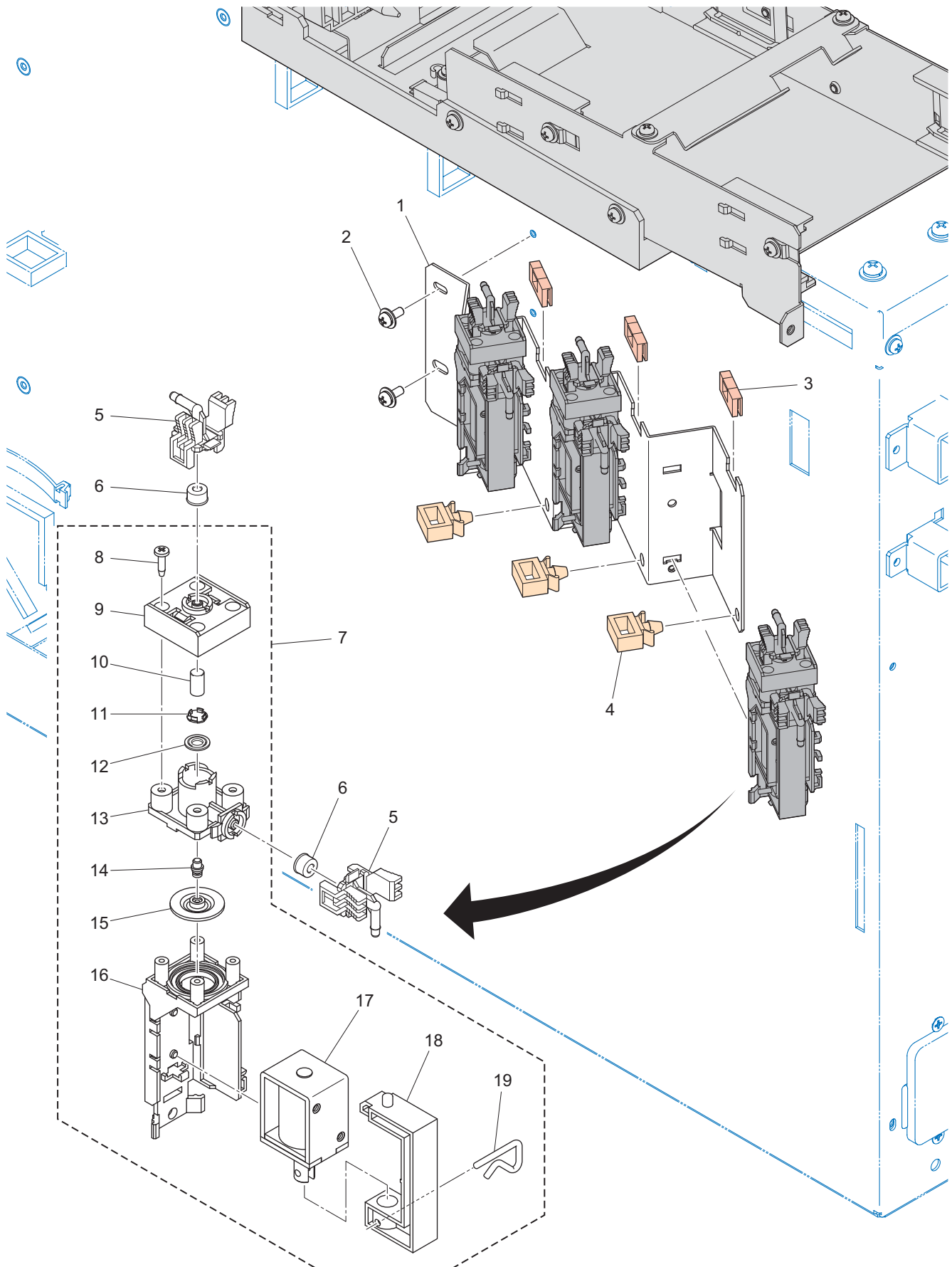


*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

16. WASH CARTRIDGE ASSY. -1/2**1.0**

16. WASH CARTRIDGE ASSY. -2/2

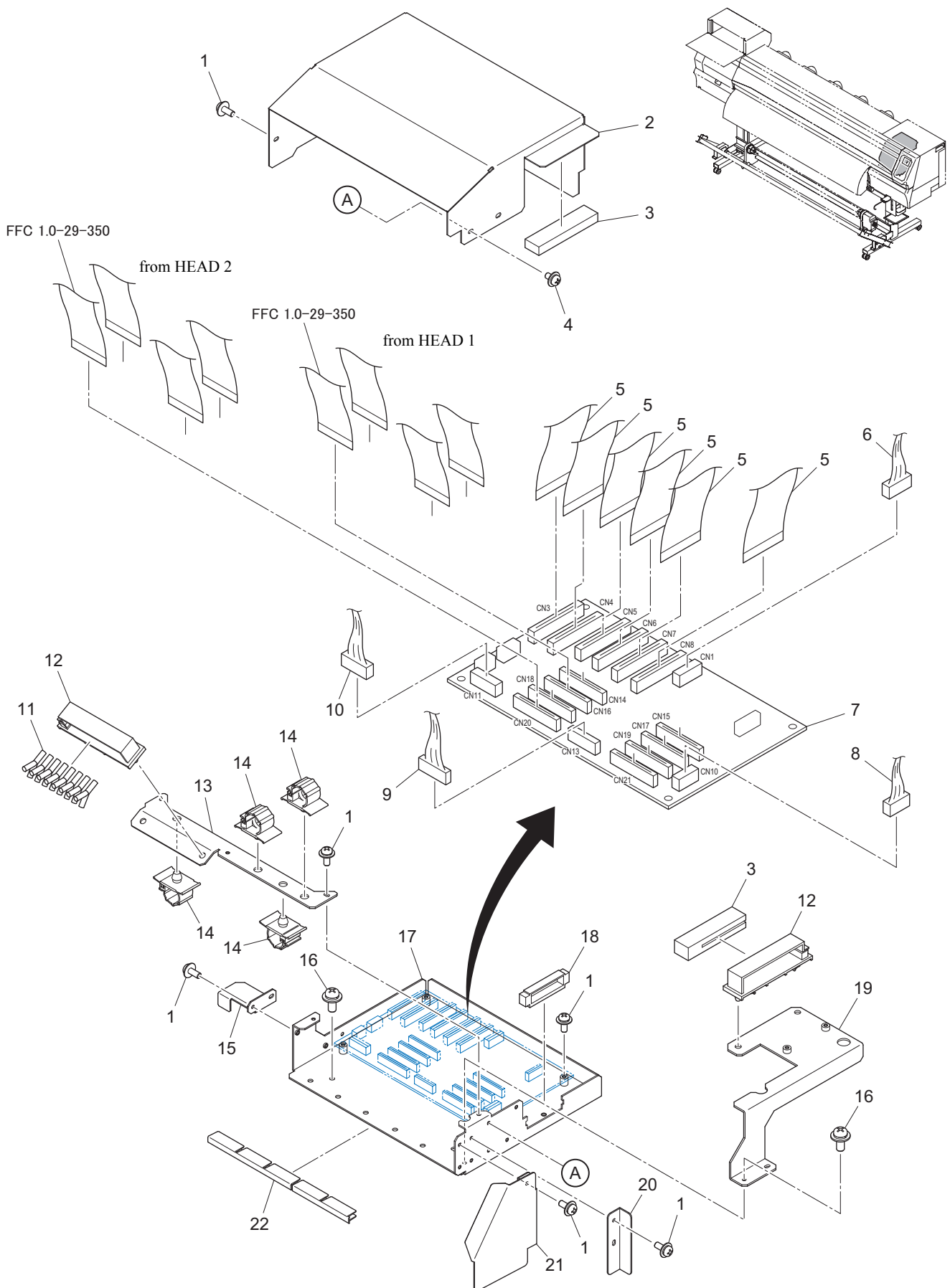
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

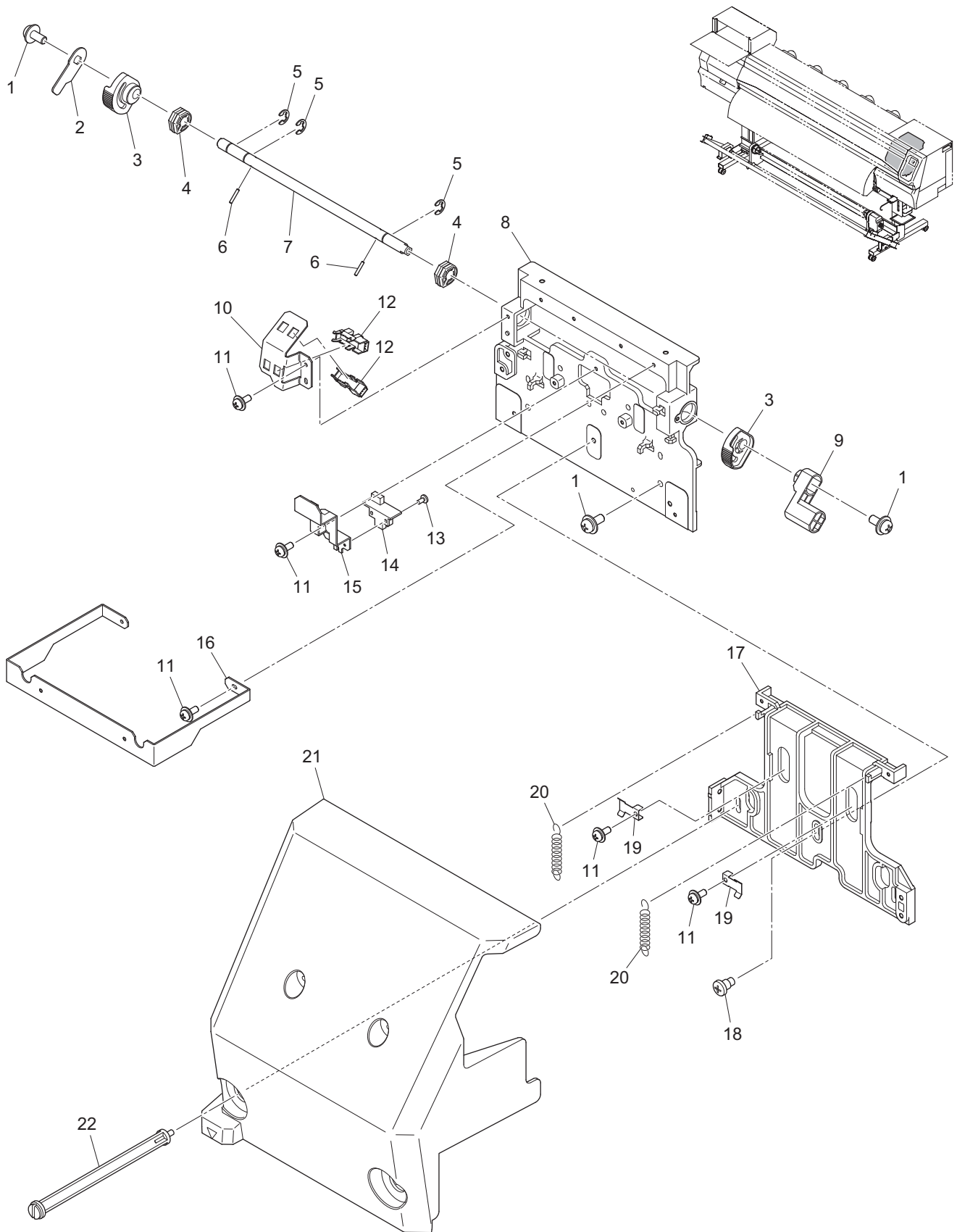
17. CARRIAGE ASSY. -1/3

1.0



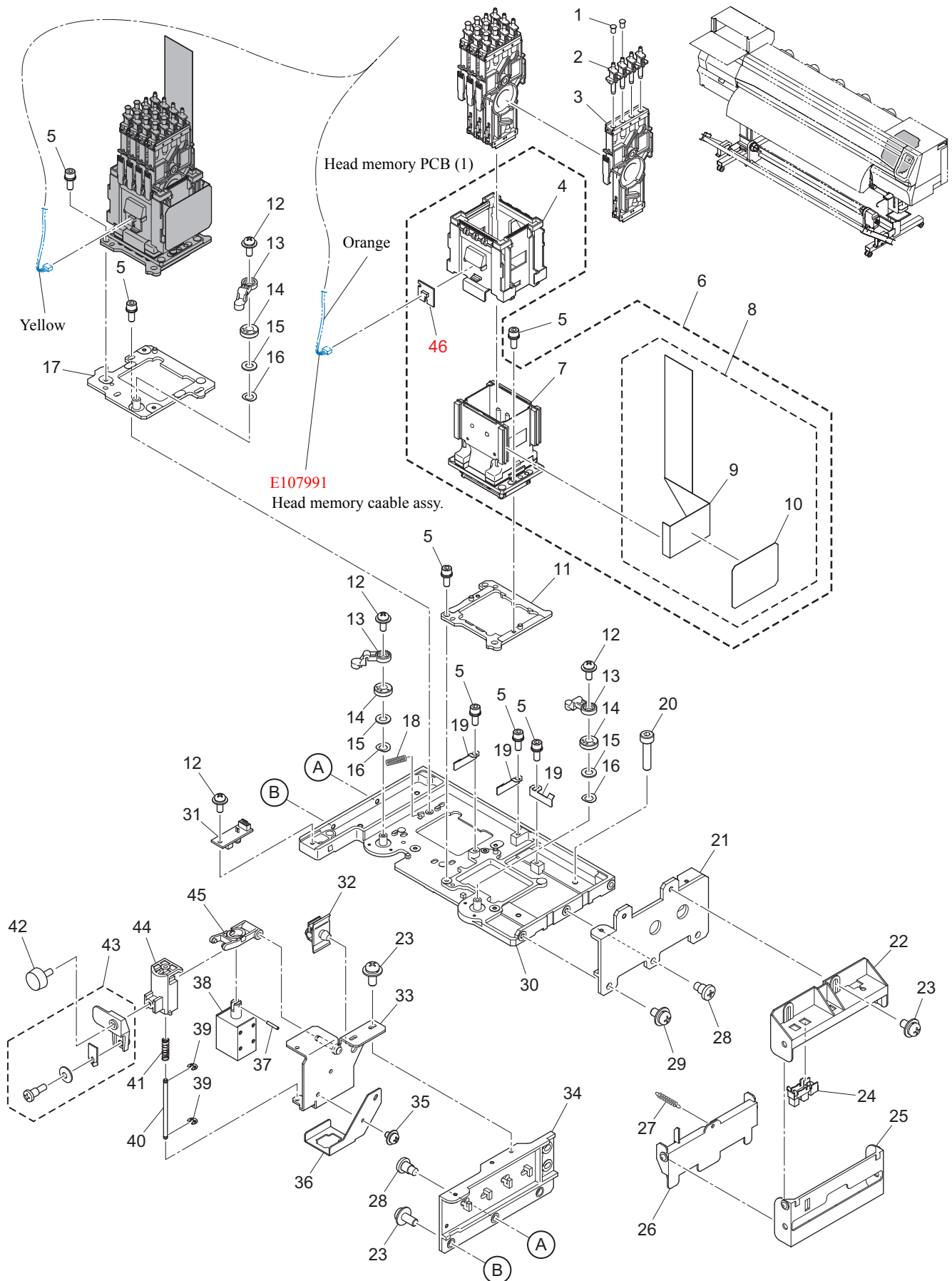
17. CARRIAGE ASSY. -2/3

1.0



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

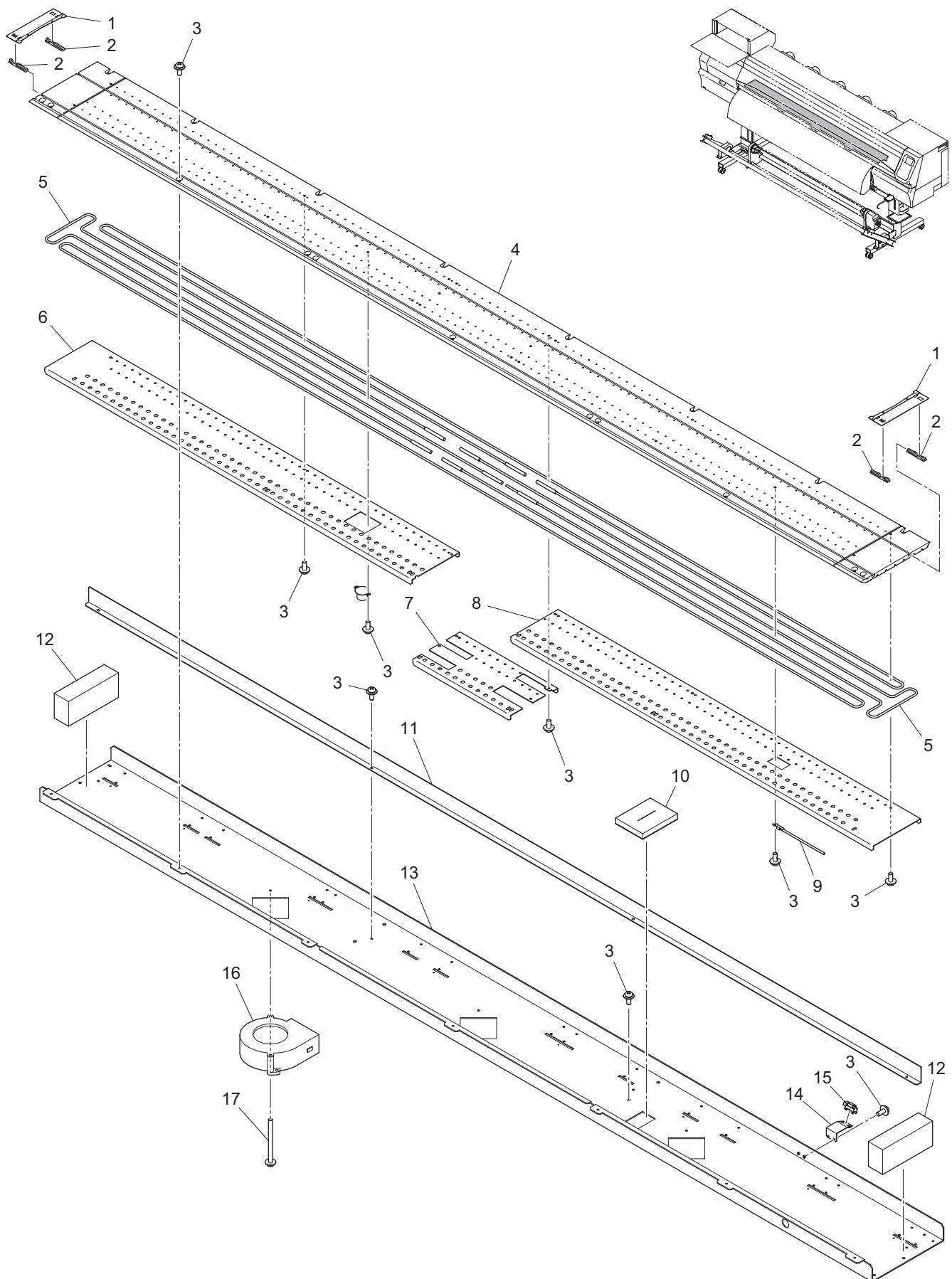
17. CARRIAGE ASSY. -3/3



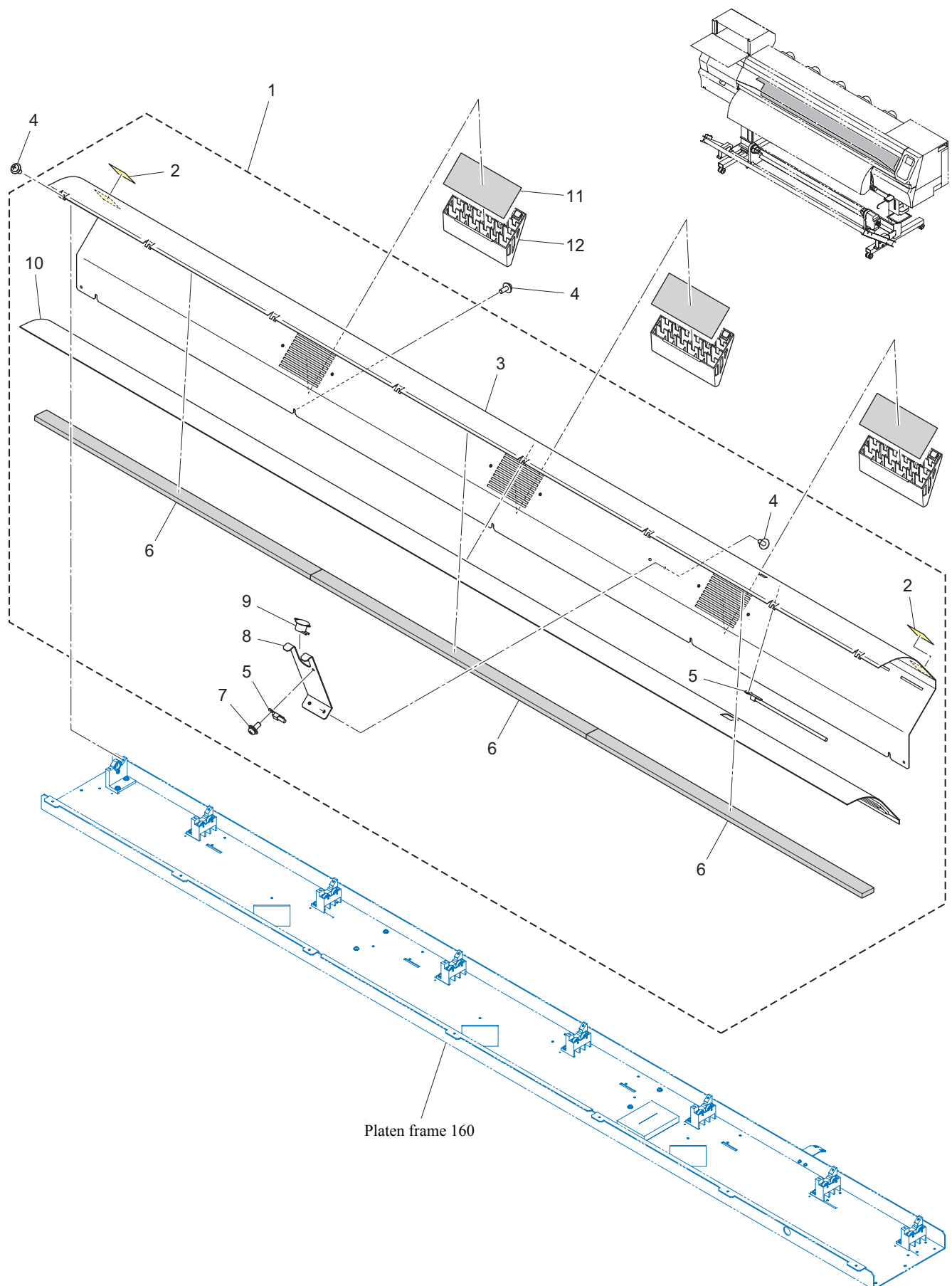
Mechanical Drawing										Rev.
Model	JV300	Issued	2014.05.29	Revised	2014.06.19	F/W ver	1.00	Remark		
17. CARRIAGE ASSY. -3/3										1.1

No.	Rank	Part codes	Name of part	Remarks	Quantity used				Common Model	P*1	M*2
					300-160	300-130					
1		M700865	Cap-outer		16	←					
2	B	MP-M603827	FIT damper		32	←					
3	A	MP-M015001	Pressure damper assy.		8	←					
4		M603757	Head cover		2	←					
5		MM-000311	Screw	CS3x8SMW	16	←					
6	B	MP-M015372	5540 Head assy.		2	←					
7		F194001	Print head, IA5540-G	F194001	1	←					
8	B	MP-M015308	FFC assy.		1	←					
9		E301103	FFC 1.0-29-350		4	←					
10		M910792	FFC guard film		1	←					
11		M400620	AD plate 34		2	←					
12		MM-000558	Screw	P3x8SMW	4	←					
13		M602126	Inclination adjustment lever		3	←			JV34		
14		M207034	Head slant cum		3	←			JV34		
15		MM-000785	Washer	W-6	3	←					
16		MM-001413	Wave washer	WW-6	3	←					
17		M400621	AD slider		1	←					
18		M801340	Pusher SP 34		1	←			JV34		
19		M513731	Head plate spring		3	←			JV34		
20		MM-001147	Screw	CS4x18 Black	4	←					
21		M400618	Carriage side plate R		1	←					
22		M603494	Jam sensor H		1	←					
23		MM-000565	Screw	P4x10SMW Black	10	←					
24	B	MP-KI3781-AALF	Photo interrupter	KI3780	1	←					
25		M603493	Jam sensor M		1	←					
26		M603492	Jam sensor L		1	←					
27		M801834	JAM SP		1	←					
28		MM-000512	Belt lock screw black		2	←					
29		MM-000564	Screw	P4x10SMW	2	←					
30		M400622	P head base		1	←					
31		MP-E107263	Mark sensor PCB assy.		1	←					
32		MM-000035	Cable clamp UL	CKS-10-L	1	←					
33		M518338	Cutter BKT		1	←					
34		M400619	Carriage side plate L		1	←					
35		MM-000544	Screw	P3x5SMW	2	←					
36		M521043	Cutter guard		1	←					
37		MM-000653	Corrugated spring pin	φ2x12 (R)	1	←					
38		E106861	Cutter solenoid assy.		1	←					
39		MM-000163	E-ring	E-2 SUS	2	←					
40		M205601	Media cutter guide pin		1	←			JV33		
41		M801595	Cutter SP 3S		1	←			JV400		
42		MM-000634	Face screw	YURIYA N1-M3, L=8 (Black)	1	←					
43		SPA-0107	Cutter blade assy.		1	←			JV33		
44		M603057	Cutter holder 400		1	←			JV400		
45		M603056	Cutter link 400		1	←			JV400		
46		E106508	Mini memory PCB Assy.		2	←					A

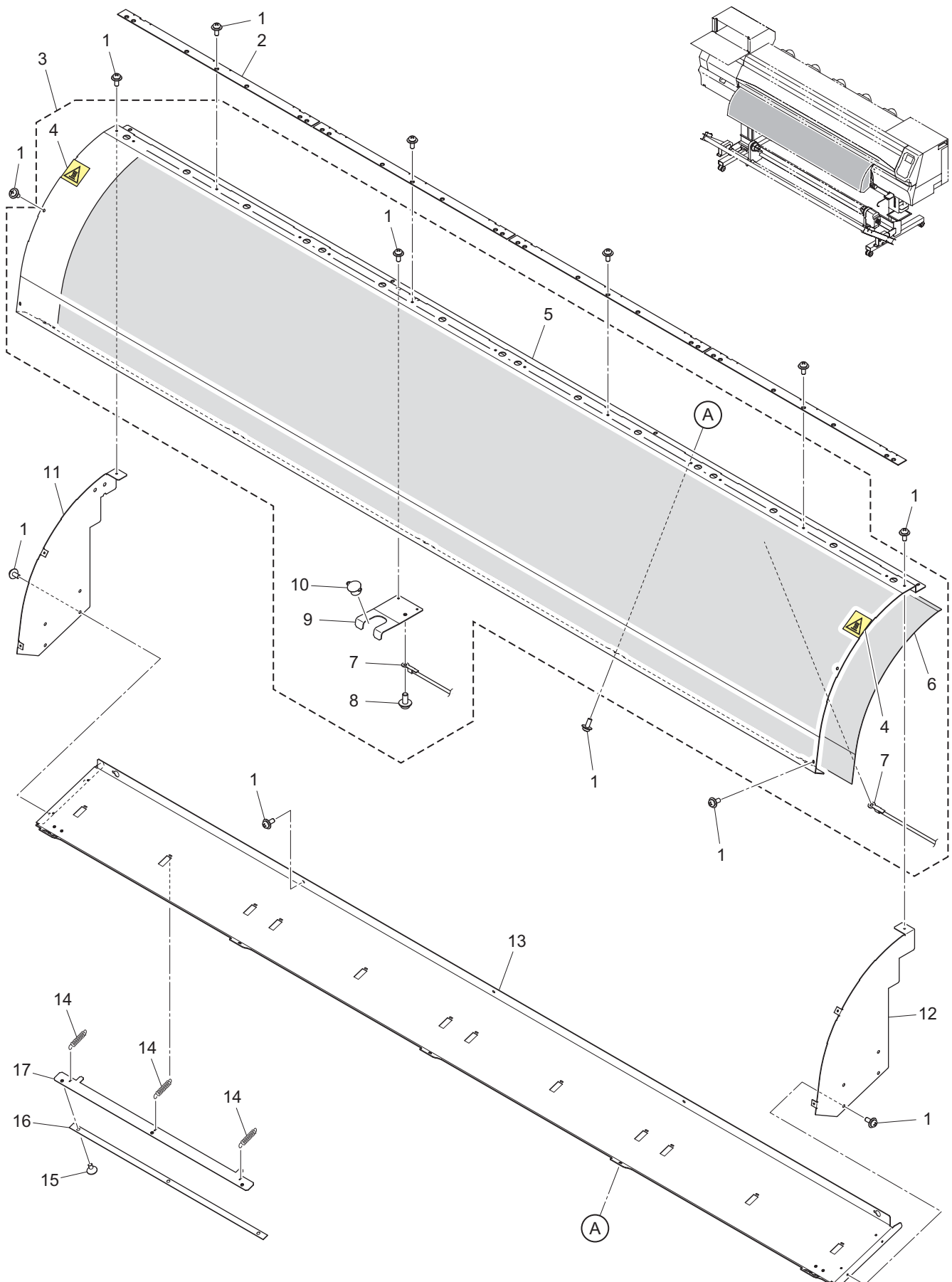
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*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

18. PLATEN ASSY. -2/3

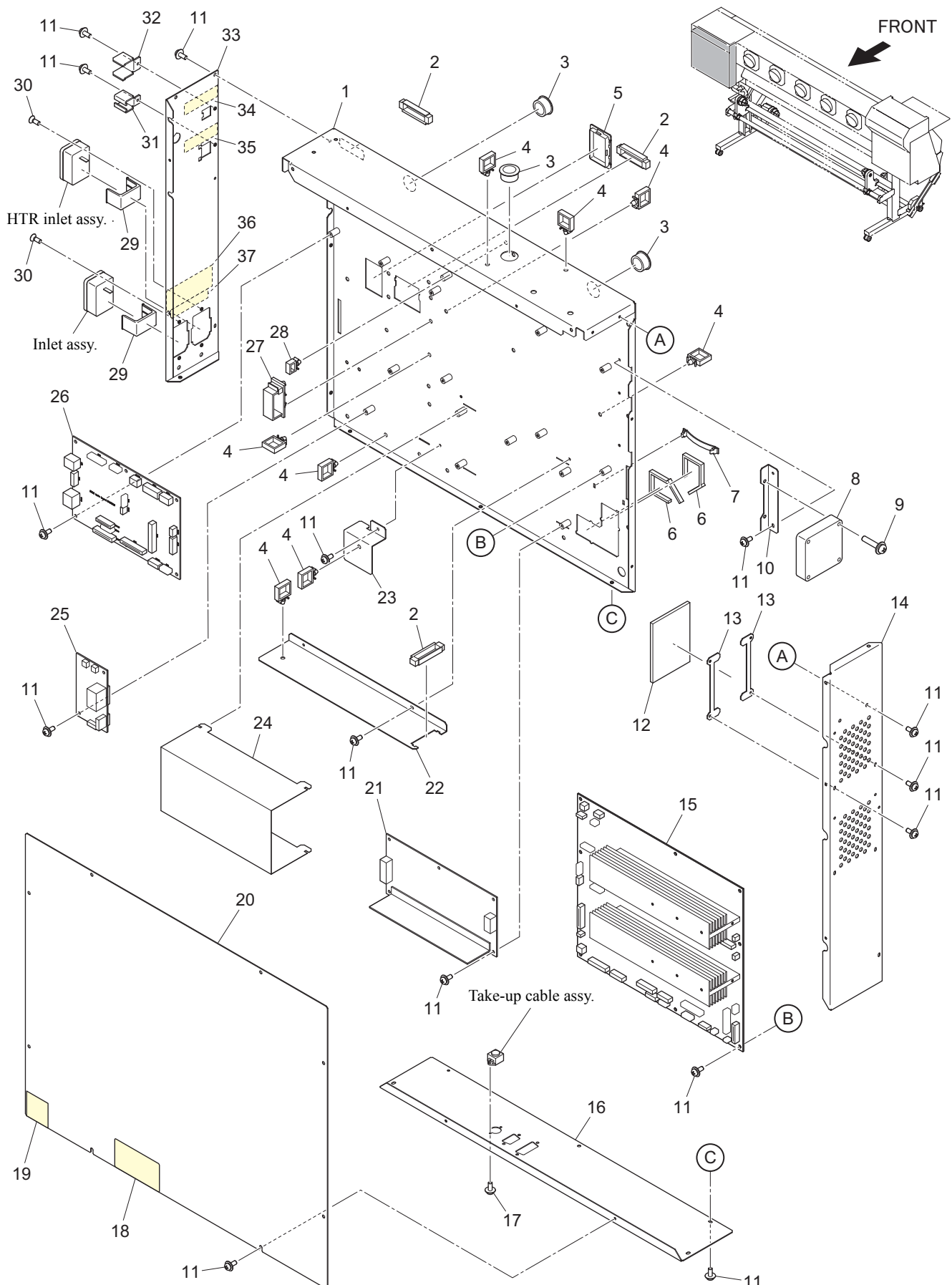
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)



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

19. ELECTRICAL BOX ASSY. -1/2

1.0



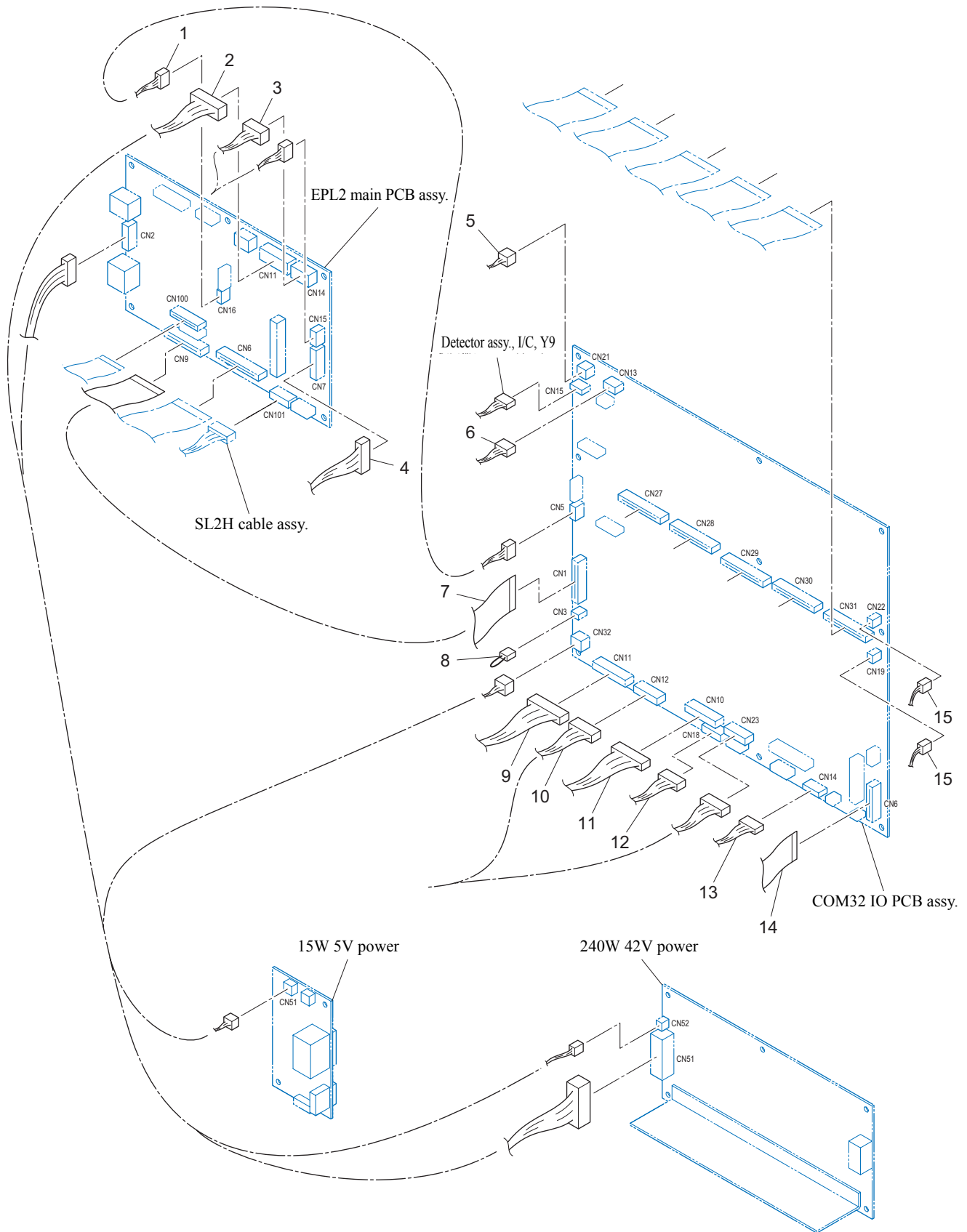
19. ELECTRICAL BOX ASSY. -1/2

[illegible]

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

19. ELECTRICAL BOX ASSY. -2/2

1.0



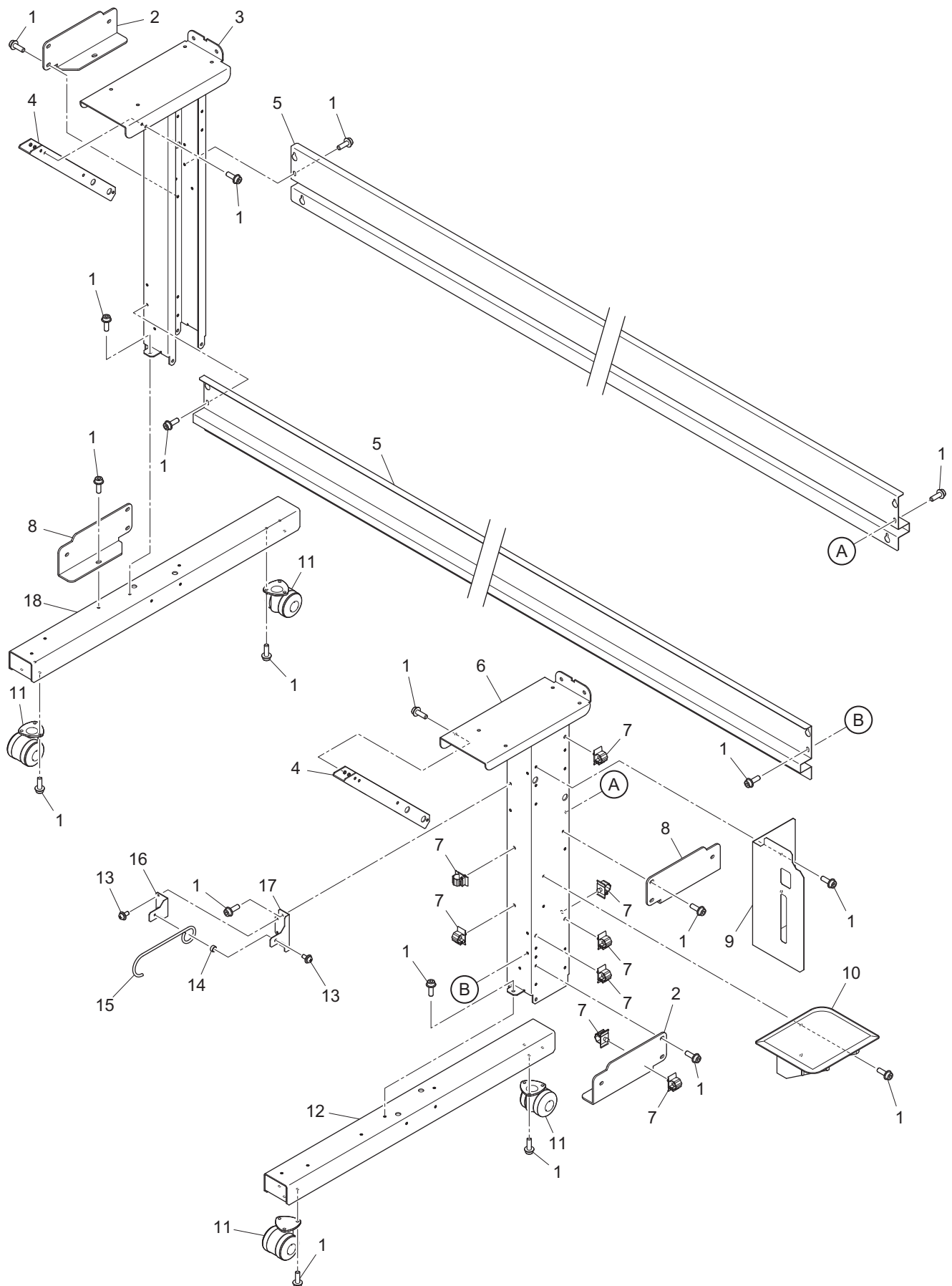
19. ELECTRICAL BOX ASSY. -2/2

[illegible]

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

20. LEG ASSY.

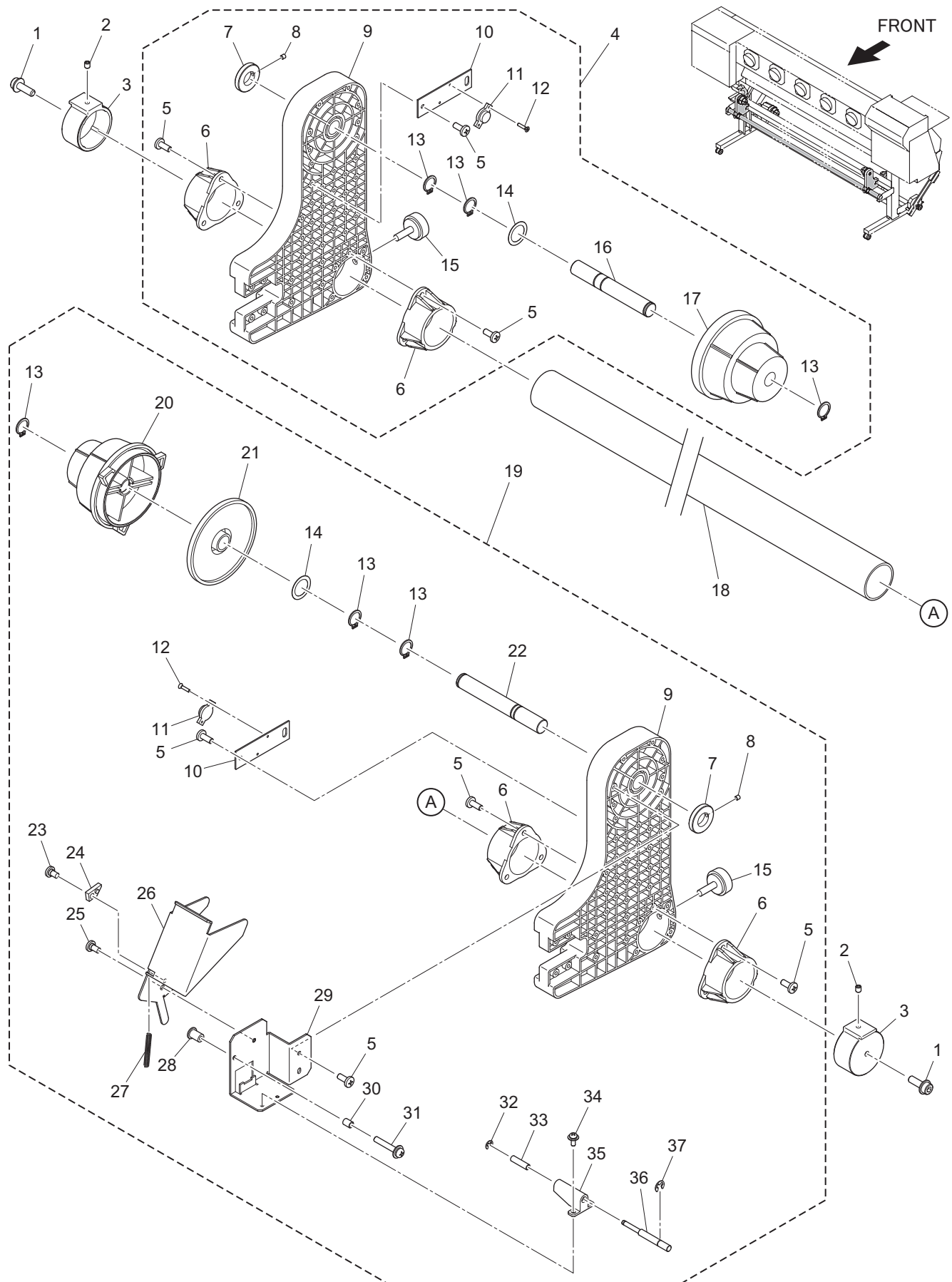
1.0



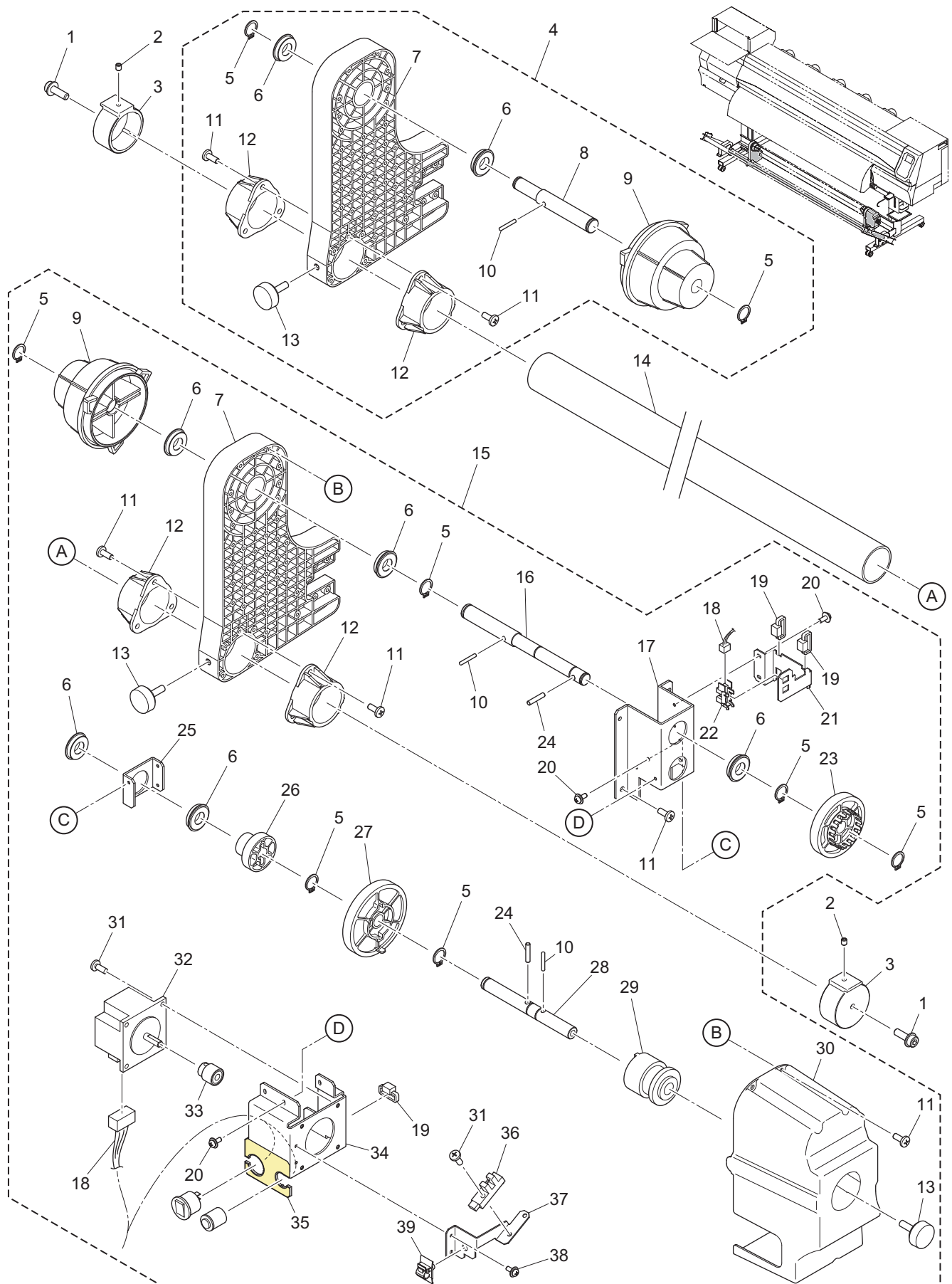
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

21. FEEDING DEVICE ASSY.

1.0



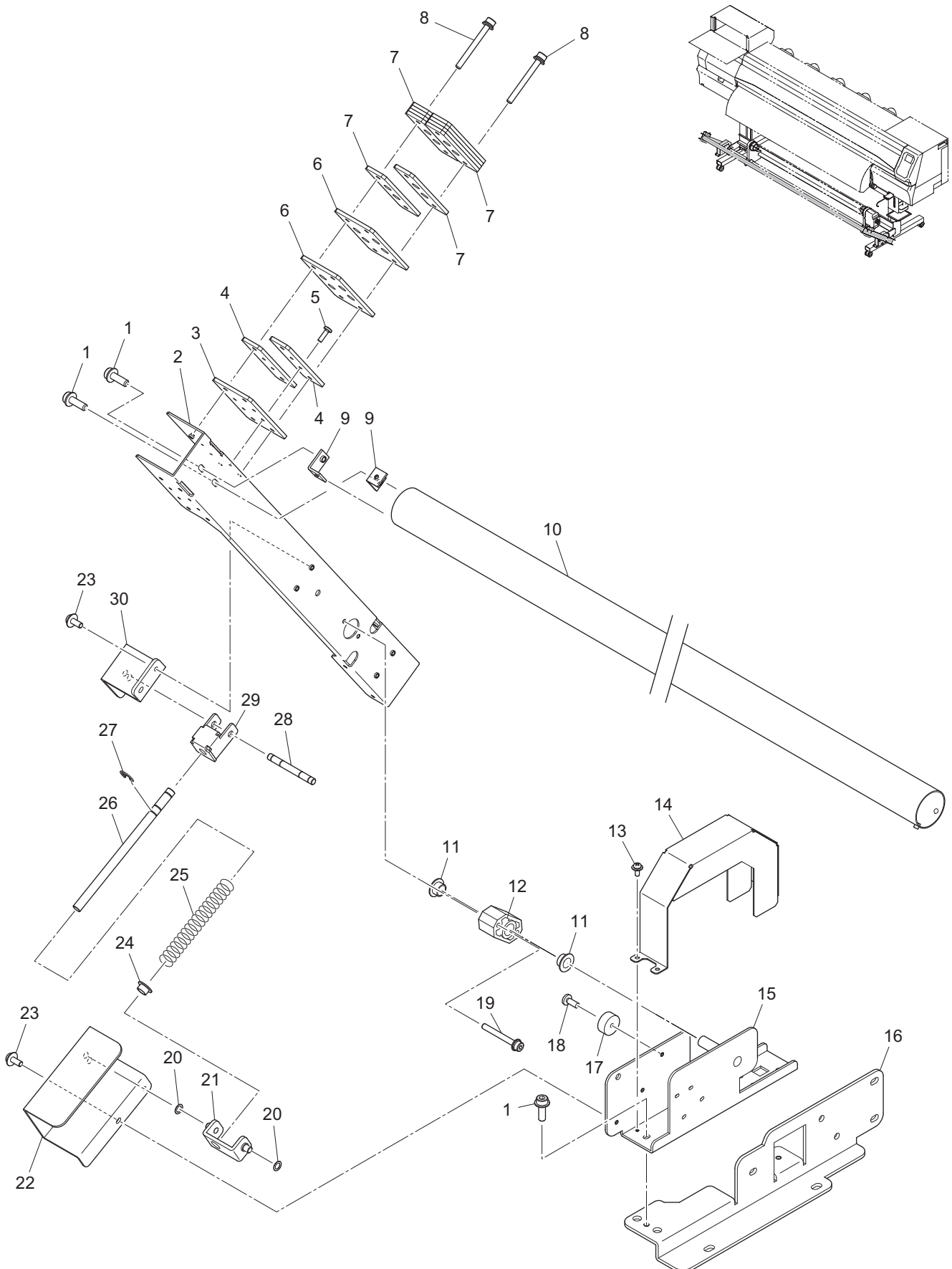
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

22. TAKE-UP DEVICE ASSY.

Mechanical Drawing								Rev.
Model	JV300	Issued	2014.05.29	Revised		F/W ver	1.00	Remark
22. TAKE-UP DEVICE ASSY.								1.0

No.	Rank	Part codes	Name of part	Remarks	Quantity used				Common Model	P*1	M*2
					300-160	300-130					
1		MM-001051	Screw	SCM435 10.9 Flange socket	2	←					
2		MM-000889	Hexagon socket head screw	SSWP4x5(R) Black	2	←					
3		M400564	Guide cap		2	←			JV33		
4		MP-M015272	Take-up left assy.		1	←					
5		MM-000152	C-ring	C-12(R)	8	←					
6			Bearing	6901ZZNR	7	←			JV33		
7		M601327	Roll base 300BR		2	←			JV5		
8		M205135	Take-up holder shaft L-L		1	←			JV5		
9		M600500	Roll holder		2	←			JV33		
10		MM-000660	Corrugated spring pin	φ3x20 (R)	3	←					
11		MM-000265	Screw	BZ4x10 Black	20	←					
12		M601190	Extension bushing 38		4	←			JV33		
13		MM-000635	Urea N5-M6	L=20 (Black)	3	←					
14		M205988	Roll guide 160		1	←			JV33		
		M205989	Roll guide 130		←	1					
15	B	MP-M015273	Take-up right assy.		1	←					
16		M208968	TR roll shaft		1	←					
17		M520284	Roll shaft BKT		1	←					
18		E107980	Take-up drive cable assy.		1	←					
19		MM-000013	Banding band	T-30-R	3	←					
20		MM-000559	Screw	P3x8SMW Black	8	←					
21		M520537	Take-up sensor BKT		1	←					
22	B	MP-KI3781-AALF	Photo interrupter		1	←					
23		M603450	Take-up motor gear C		1	←					
24		MM-000664	Parallel pin	φ4x20 H7 SUS	2	←					
25		M520282	Take-up BR holder plate		1	←					
26		M603793	TR gear B		1	←					
27		M603792	TR gear A		1	←					
28		M208967	TR shaft		1	←					
29			Mini keeper	MK-12	1	←					
30		M603716	Take-up cover		1	←					
31		MM-000911	Screw	B4x10	5	←					
32	B	MP-E301109	Step motor (56 square)		1	←					
33		M208969	Take-up motor gear		1	←					
34		M520285	Take-up motor BKT 1		1	←					
35		M910724	Label-Take-up		1	←					
36			Photo interrupter	OJ-6505-N2	1	←					
37		M521126	Take-up present or absent sensor BKT	DS-059	1	←					
38		MM-000558	Screw	P3x8SMW	2	←					
39		MM-000033	Cable clamp UL	CKS-07-L	1	←					

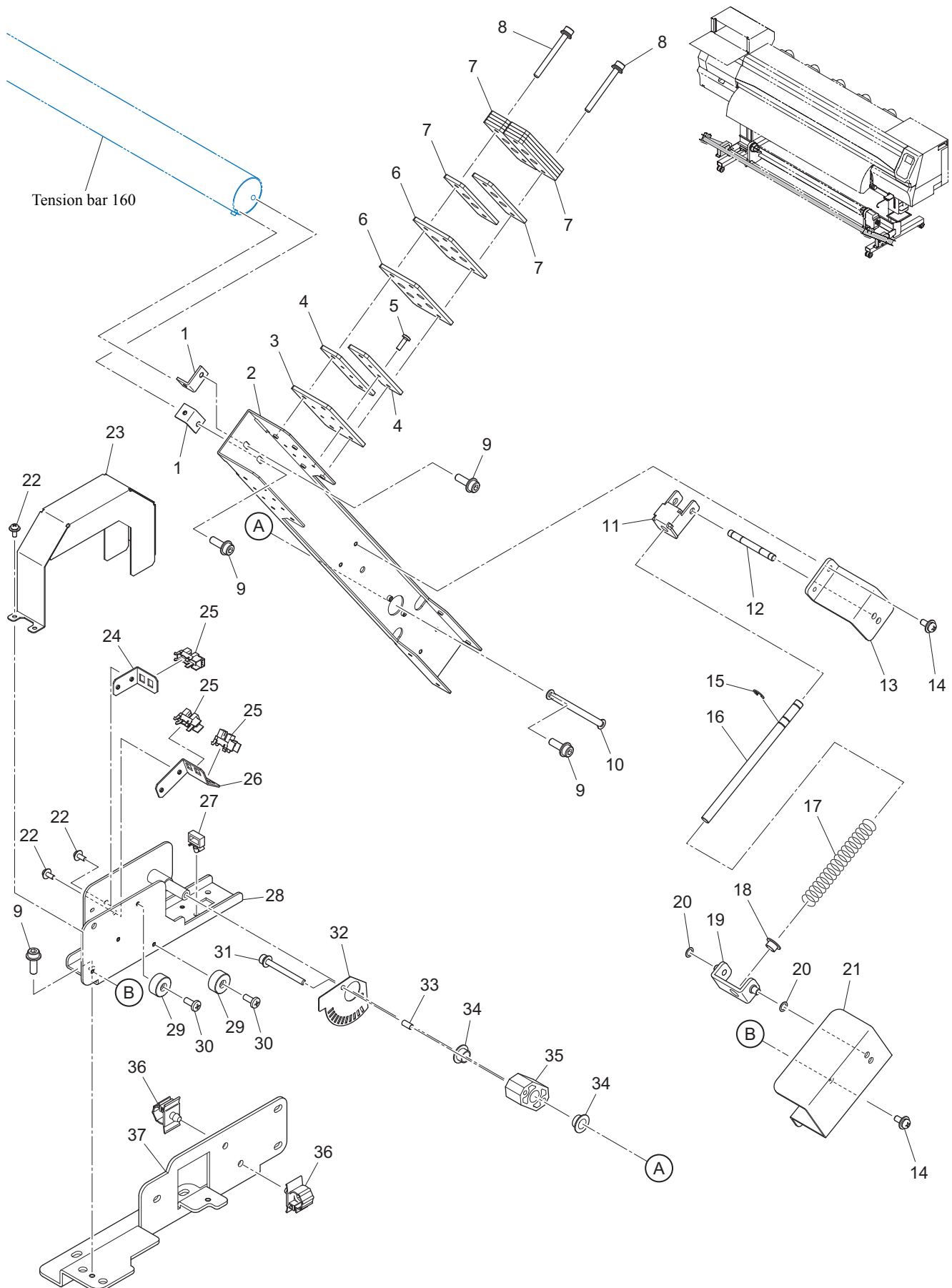
*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

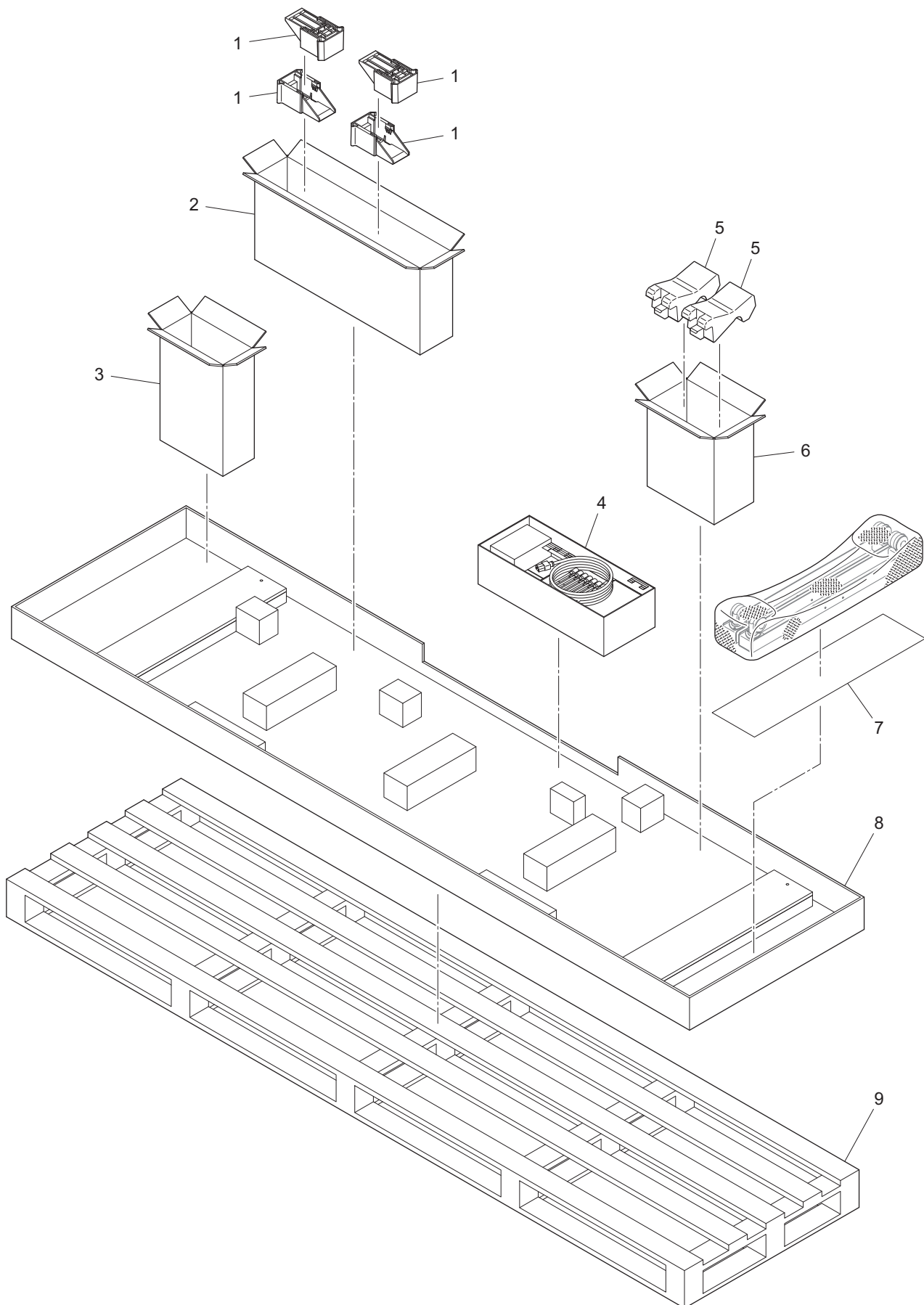


*1 P: Supply quantity *2 M: Changed (A: Added part, D: Deleted part, C: Changed part)

23. AMF ASSY. -2/2(OPTION)

1.0

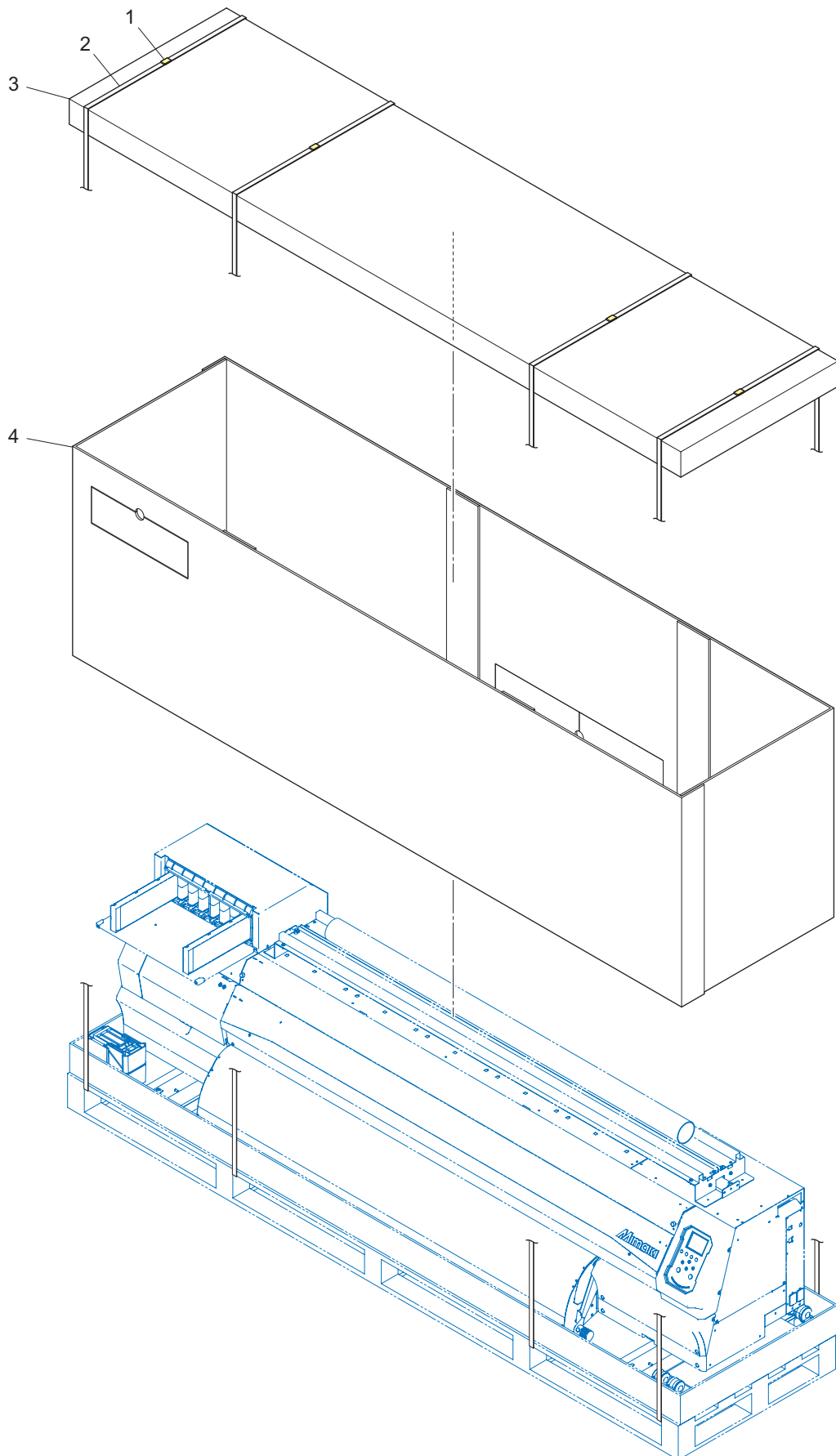


24. PACKING ASSY. -1/2**1.0**

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

24. PACKING ASSY. -2/2

1.0



24. PACKING ASSY. -2/2

[illegible]

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

25. BLOCK DIAGRAM

