

PARTS BOOK

Small-Head K-Series

K-WD904-75

PME-130425

Notice

1. 본 책자는Parts Book으로 제작되었으므로 매뉴얼로 사용 불가합니다.
2. 조에 속한 파트는 개별 조립 시 제품의 파손 또는 자수 불량일 수 있어 해당 파트에 대한 주문 시에는 조 품목으로만 구입이 가능합니다.
3. 당사의 Part Book은 다음과 같은 순서로 분류되어 있으니 제품을 구입한 소비자께서는 다음과 같은 순서로 제품을 검색하여 주십시오.

- 1) Machine Layout
- 2) Section
- 3) Part List

※소모성 부품은 자수 기계의 보증 기간과 상관 없음.

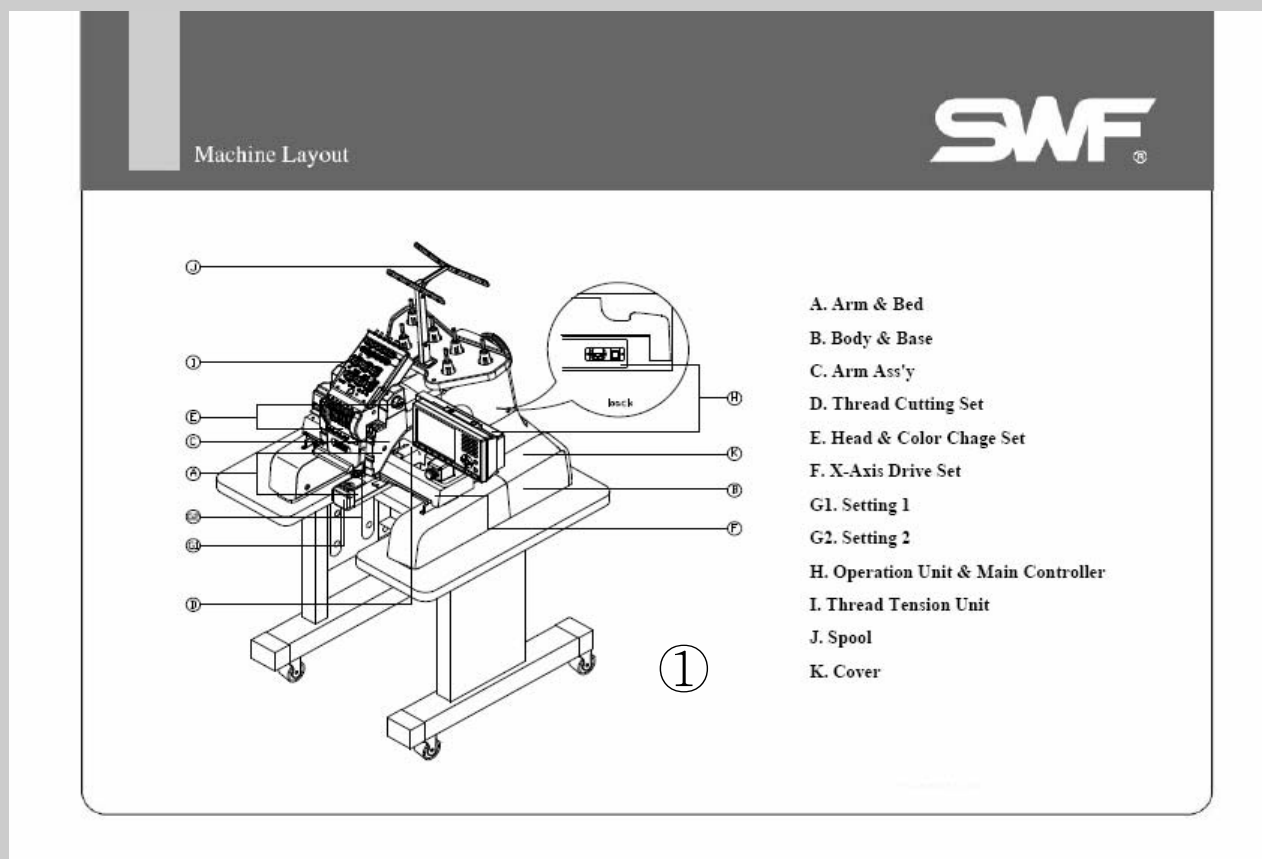
1. This is a parts book. It cannot be used as a manual.
2. The parts classified as ass'y items may cause damage to the machine or bad embroidery when they are separately assembled.
Hence, when they are ordered, they can be purchased as ass'y items only.
3. The Part Book is classified as below and users could search products in the following order.

- 1) Machine Layout
- 2) Section
- 3) Part List

※Consumable parts shall not be guaranteed even in warranty period

A. Structure of Part Book

1. Machine Layout

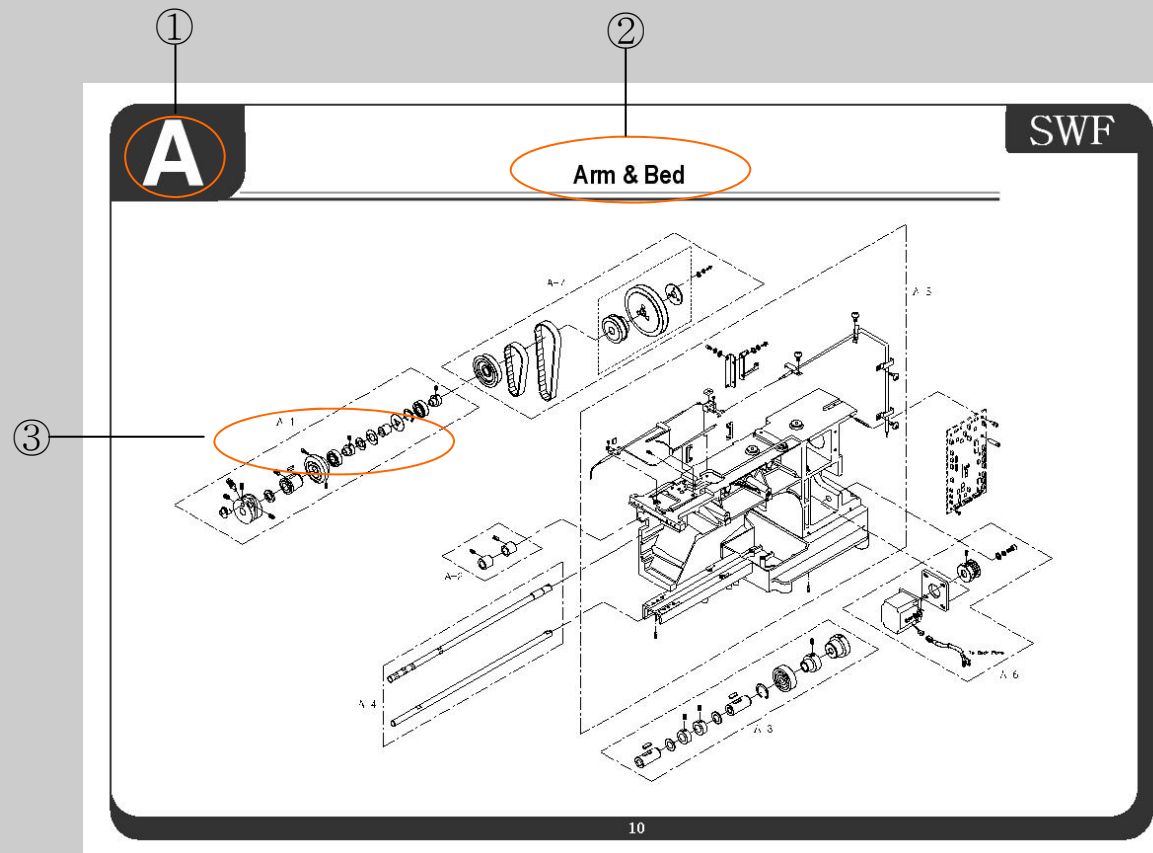


Information

A. Structure of Part Book

2. Section

- ① : Index Number
- ② : Index Group
- ③ : Related Parts
Ex) A-1, A-2, A-3...



Information

A. Structure of Part Book

3. Part List

①

A-1

Note

③	④	⑤	⑥	⑦	⑧	⑨	⑩
Ref No	Part No	Part Name	Applied Period	Interchangeability	Hardware	Qty	Remark
A-1-1	0101SCM-T900	Twice-up Lever Driving Cam	Oct-08-07			1	
A-1-2	0101SCM-T900	Twice-up Lever Driving Cam	Oct-08-07	X		1	
A-1-3	0101SCM-T121	Cam Screw (8/32x28L=17)				1	
A-1-4	0101SCM-T121	Screw (8/32x28 L=7.5)			O	1	
A-1-5	0101SCM-T121	Hex. Socket Set Screw (1/4" 3x40 L=4.5)				1	
A-1-6	0102PBR-A001	Washer				2	
A-1-7	0102PBR-A001	Washer				1	
A-1-8	0102PBR-T900	Needle Bar Crank				1	
A-1-9	0101SCM-T121	Upper Shaft Bushing (9)				1	
A-1-10	0101SCM-T121	Screw (1/8x28 L=14)			O	3	
A-1-11	0101SCM-T121	Felt				1	
A-1-12	0101SCM-T121	Presser Foot Driving Cam				1	
A-1-13	0401ZAP-A001	Screw (1/8x28)			O	3	
A-1-14	0101SCM-T121	Screw (M4xL20)			O	1	
A-1-15	0102PBR-A001	Washer (600422)				1	
A-1-16	010000001000	Washer Collar				2	
A-1-17	0401ZAP-A001	Screw (1/8x28)			O	3	
A-1-18	WS-0001BR-00	Washer			O	1	
A-1-19	CL-000097-00	Code Wheel				1	
A-1-20	CL-000097-00	Collar				1	
A-1-21	0101SCM-T121	Technical Pin				1	
A-1-22	0101SCM-T121	C-Ridge (1/4x7)			O	1	
A-1-23	0101SCM-T121	Washer (600422)			O	1	

(Note) * : Checks the timing of application.

① Index Number
Ex) A-1, A-2...

② Parts View

Information

A. Structure of Part Book

③ Ref. No

④ Part No

Ex)

Category	CODE	Remark
Old part	16009SC-4113	
New part	AS -000000-00	Set parts (Set 구성품)
	GP -000000-00	Instrumental parts (기구적 파트)
	EP -000000-00	Electrical parts (전기적 파트)

⑤ Parts Name : 파트들의 고유 품명을 표기 : Refers to unique names of parts

⑥ Applied Period

Ex1) 2007년2월10일 적용, 2008년7월10일 폐기
-> Feb.10.07 ~ Jul.10.08

Ex1) Applied from Feb. 10, 2007, To on July 10, 2008
-> Feb.10.07 ~ Jul.10.08

Ex2) 2007년 2월 10일 부터 파트북 발행일 까지 적용
-> Feb.10.07 ~

Ex2) Applied from Feb. 10, 2007
-> Feb.10.07 ~

Information

A. Structure of Part Book

⑦ Interchangeability

O : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 가능

: It is interchangeable between old and new part.

X : 구 부품을 신 부품으로 교환 불가능

신 부품을 구 부품으로 교환 불가능

: It is not interchangeable between old and new part.

△ : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 불가능

: It is interchangeable by new part only.

⑧ Hardware : 시중에서 구매 할 수 있는 부품

: Parts that can be purchased in the market

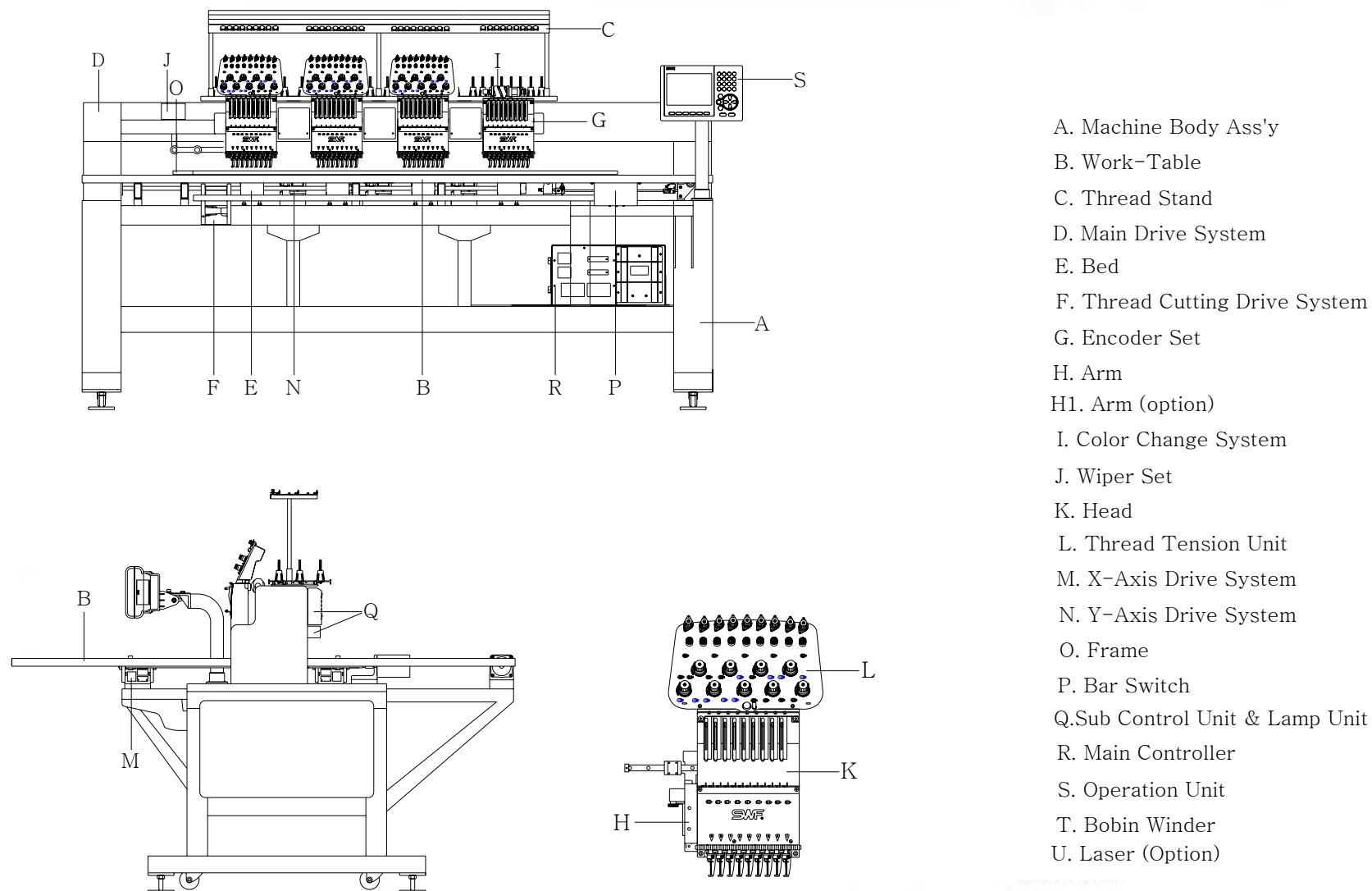
⑨ Q'ty : 사용 파트의 수량을 표기

: Quantity of part

⑩ Remark

⑪ Index Number

Machine Layout



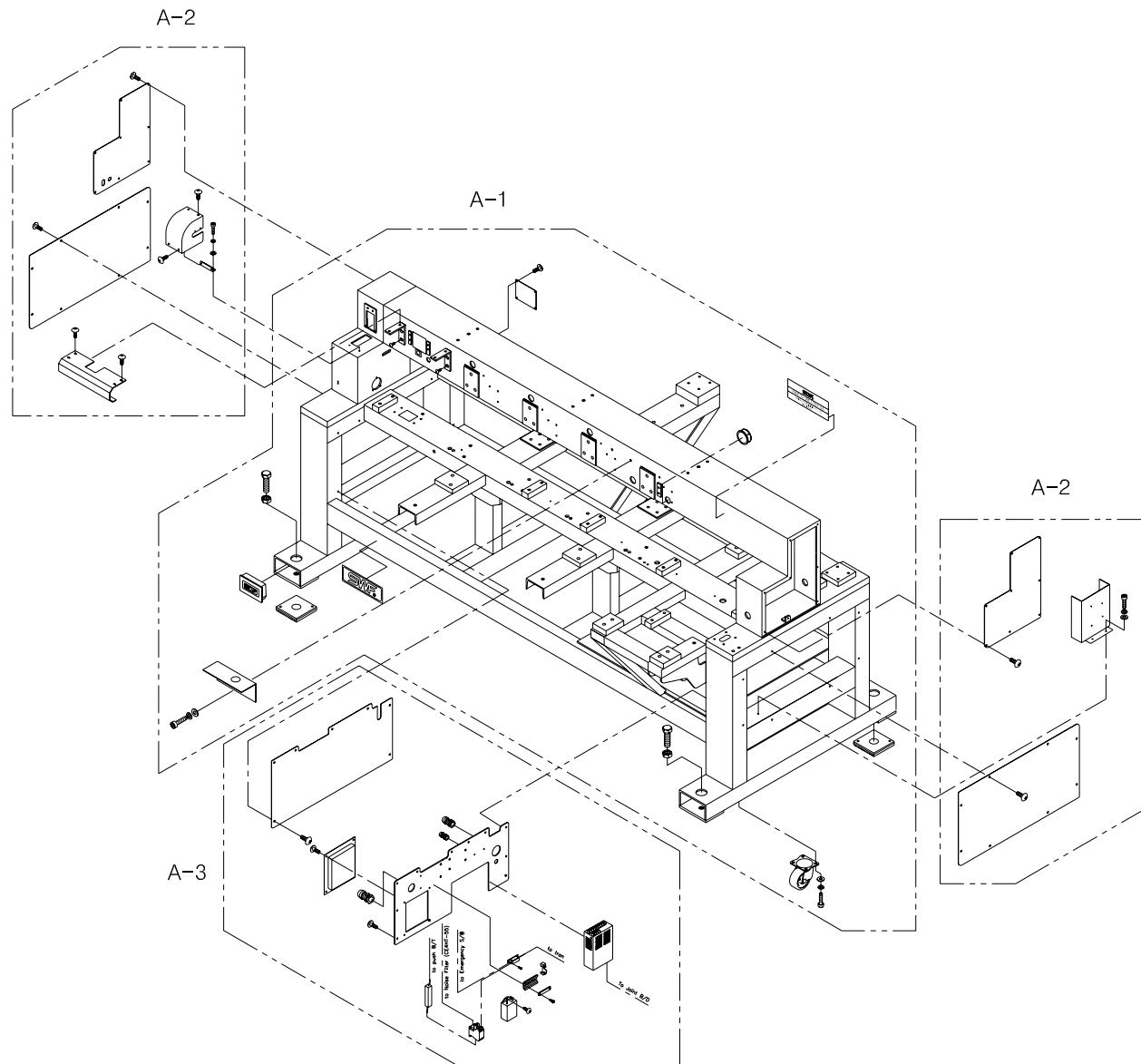


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Beam Body



A

11

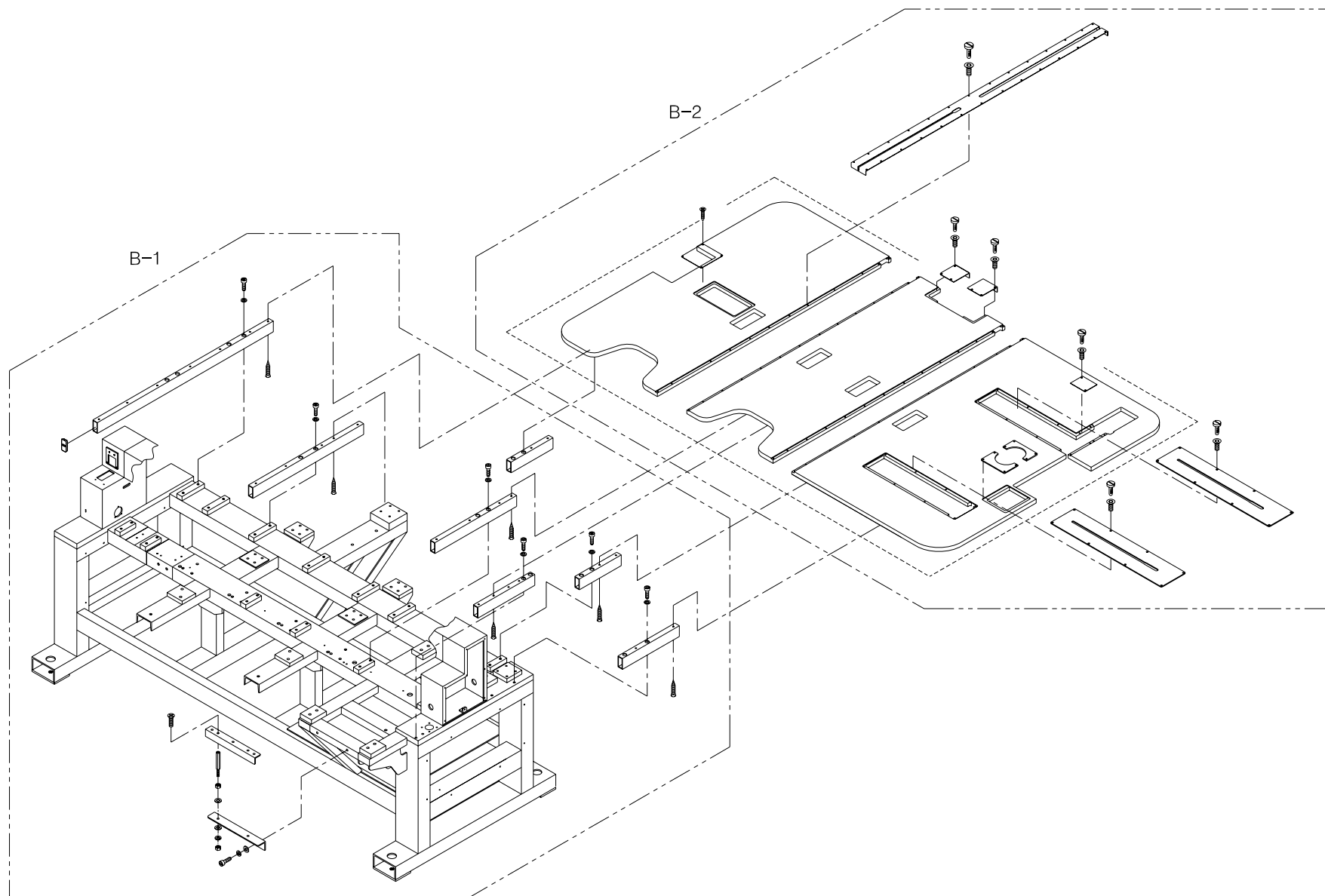
A

12

A

13

Work Table



This diagram illustrates the exploded view of a mechanical assembly, likely a conveyor system or a material handling unit. The main frame is composed of several heavy-duty beams and supports. Key components and their assembly points are labeled as follows:

- Top Assembly:** Includes components B-1-1, B-1-2, B-1-3, B-1-4, B-1-5, B-1-6, B-1-7, B-1-8, B-1-9, B-1-10, B-1-11, B-1-12, B-1-13, B-1-14, B-1-15, B-1-16, B-1-17, B-1-18, B-1-19, B-1-20, and B-1-21.
- Side Assembly:** Includes components B-1-2, B-1-3, B-1-4, B-1-6, B-1-7, B-1-8, B-1-9, B-1-10, B-1-11, B-1-12, B-1-13, B-1-14, B-1-15, B-1-16, B-1-17, B-1-18, B-1-19, B-1-20, and B-1-21.
- Bottom Assembly:** Includes components B-1-1, B-1-2, B-1-3, B-1-4, B-1-5, B-1-6, B-1-7, B-1-8, B-1-9, B-1-10, B-1-11, B-1-12, B-1-13, B-1-14, B-1-15, B-1-16, B-1-17, B-1-18, B-1-19, B-1-20, and B-1-21.

The diagram shows the relative positions and assembly sequence of these components, with dashed lines indicating the path of assembly.

Note

[illegible]

15

B-2

This diagram illustrates the exploded view of the B-2 instrument panel assembly. The main components and their assembly points are labeled as follows:

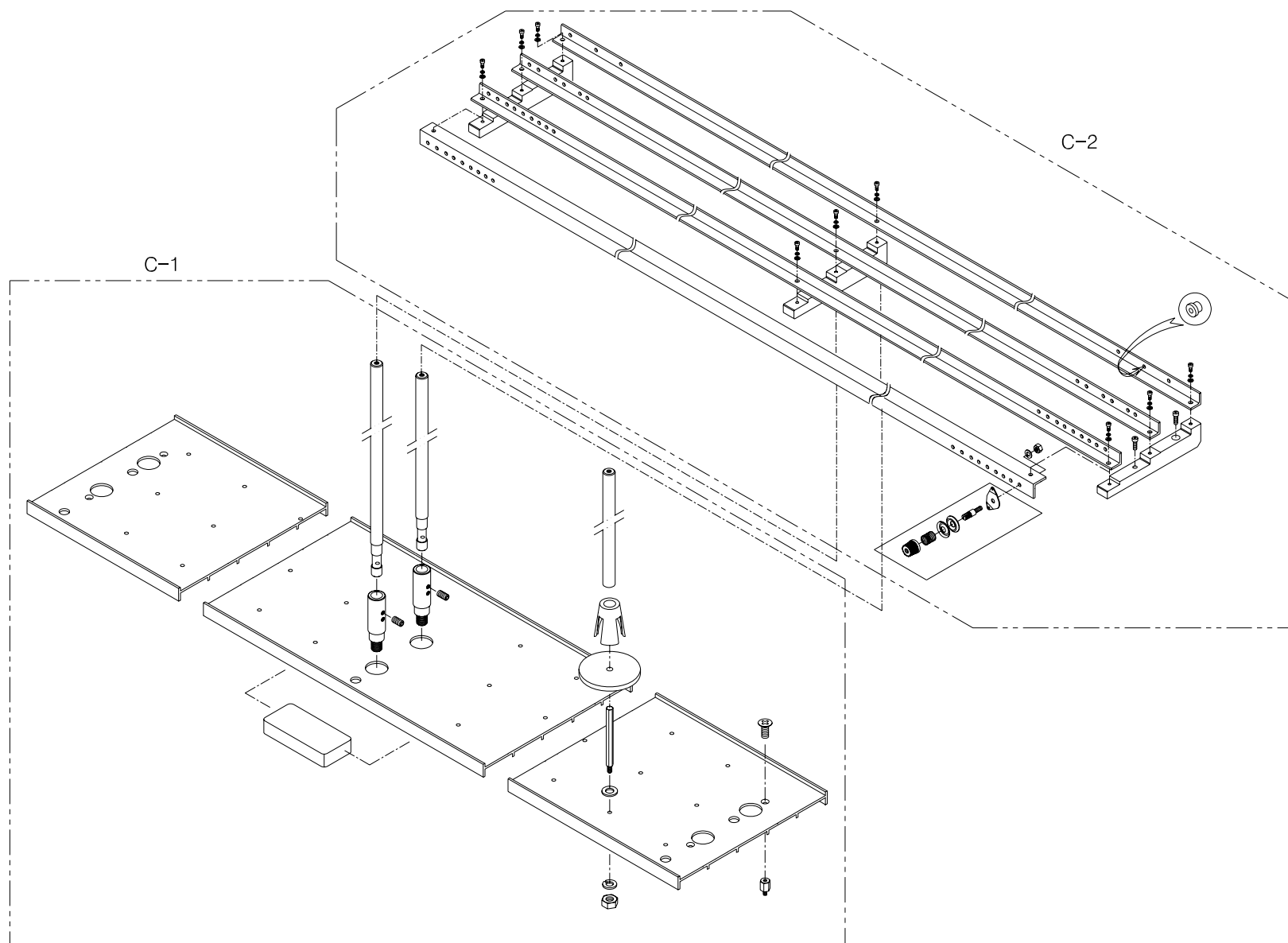
- B-2-1**: The main instrument panel housing.
- B-2-2**: A small rectangular component mounted to the top of the panel.
- B-2-3**: A small square component mounted to the top of the panel.
- B-2-4**: A long, narrow component mounted to the top of the panel.
- B-2-5**: A small rectangular component mounted to the top of the panel.
- B-2-6**: A long, narrow component mounted to the bottom of the panel.
- B-2-7**: A long, narrow component mounted to the right side of the panel.
- B-2-8**: A small rectangular component mounted to the right side of the panel.
- B-2-9**: A small square component mounted to the left side of the panel.
- B-2-10**: A long, narrow component mounted to the top of the panel.
- B-2-11**: A small square component mounted to the top of the panel.
- B-2-12**: A small rectangular component mounted to the bottom of the panel.
- B-2-13**: A small rectangular component mounted to the bottom of the panel.

The diagram shows the relative positions of these components and the screws used to secure them. Dashed lines indicate the assembly path and alignment of the parts.

Note

B

Thread Stand



[illegible]

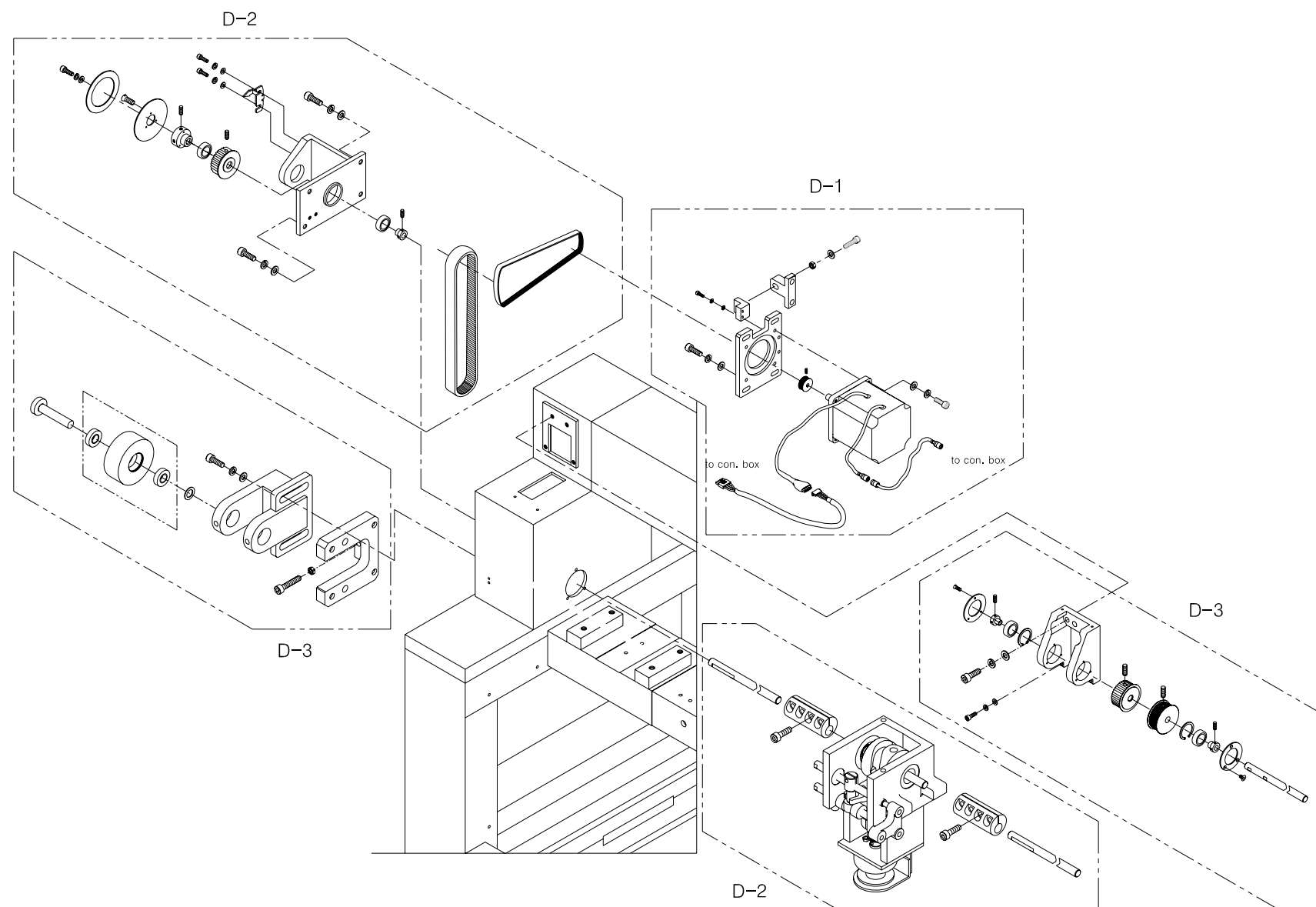
Note

[illegible]

Note

[illegible]

Main Drive System



[illegible]

Note	
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[illegible]

D-2

This exploded view diagram illustrates the assembly of the D-2 unit. The components are labeled as follows:

- D-2-14, D-2-15, D-2-16, D-2-13, D-2-12, D-2-11, D-2-9, D-2-6, D-2-8, D-2-10, D-2-2, D-2-3, D-2-4, D-2-21, D-2-22, D-2-23, D-2-20, D-2-17, D-2-18, D-2-19, D-2-1, D-2-7, D-2-28, D-2-27, D-2-5, D-2-24, D-2-25, D-2-26.

The diagram shows the main body of the unit with a control panel on the left. The assembly process involves installing various internal components, including a control panel, a display unit, and a control unit. The components are shown in their relative positions, with dashed lines indicating the assembly path. The control panel is shown with a display unit and a control unit. The display unit is shown with a control unit and a control unit. The control unit is shown with a control unit and a control unit.

Note

D

This diagram illustrates the assembly of the front panel. The components are labeled as follows:

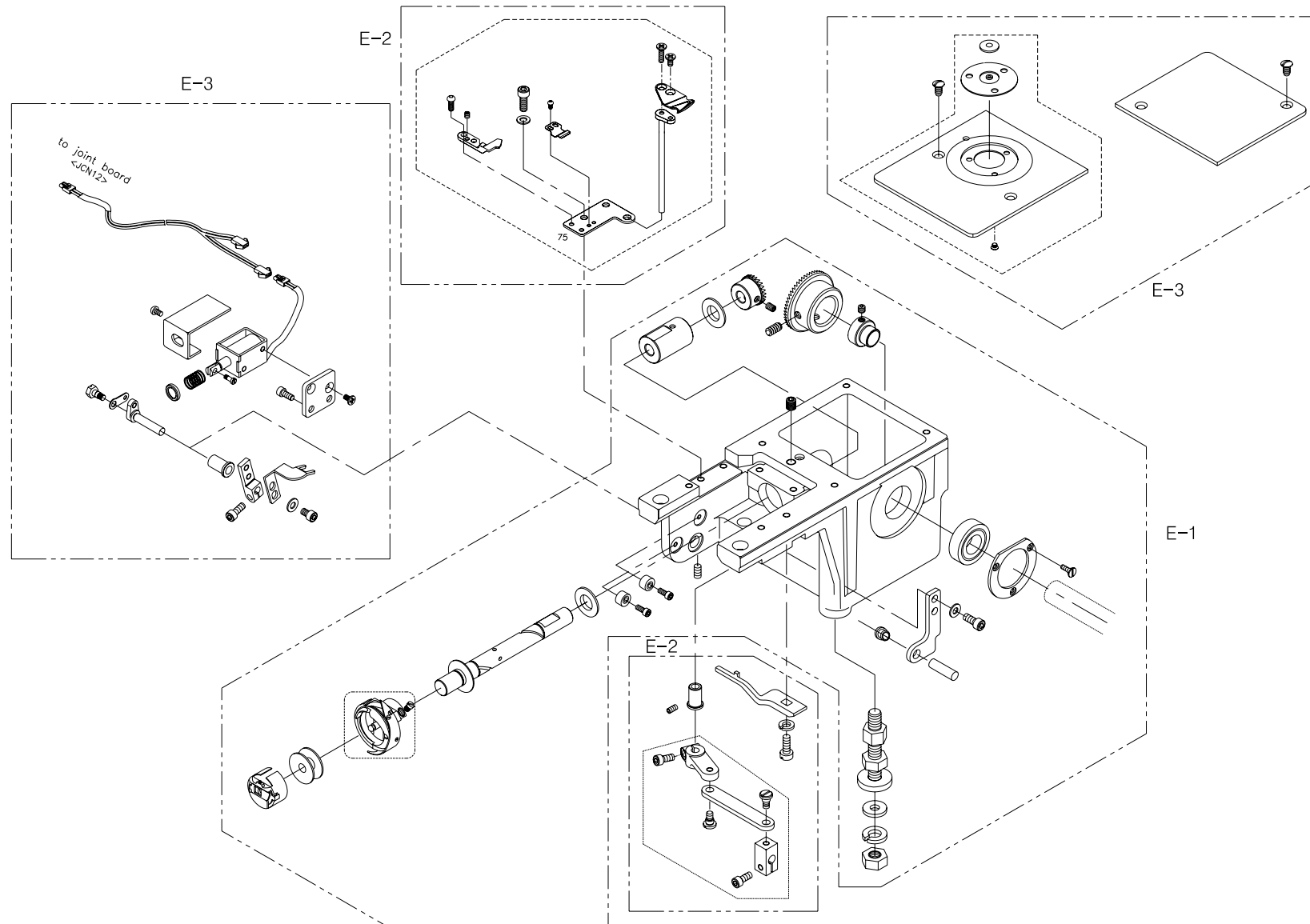
- D-3-1**: Main front panel frame.
- D-3-2**: Mounting bracket for the top right.
- D-3-3**: Small circular component (possibly a knob or button).
- D-3-4**: Long mounting screw.
- D-3-5**: Small circular component.
- D-3-6**: Small circular component.
- D-3-7**: Small circular component.
- D-3-8**: Small circular component.
- D-3-9**: Small circular component.
- D-3-10**: Small circular component.
- D-3-11**: Small circular component.
- D-3-12**: Small circular component.
- D-3-13**: Small circular component.
- D-3-14**: Small circular component.
- D-3-15**: Small circular component.
- D-3-16**: Small circular component.
- D-3-17**: Small circular component.
- D-3-18**: Small circular component.
- D-3-19**: Small circular component.
- D-3-20**: Small circular component.
- D-3-21**: Small circular component.
- D-3-22**: Small circular component.
- D-3-23**: Small circular component.
- D-3-24**: Small circular component.
- D-3-25**: Small circular component.
- D-3-26**: Small circular component.
- D-3-27**: Small circular component.

The diagram shows the assembly sequence for the front panel, with components being added to the main frame (D-3-1) and the top right bracket (D-3-2). The components are arranged in a grid-like pattern, with dashed lines indicating the assembly path.

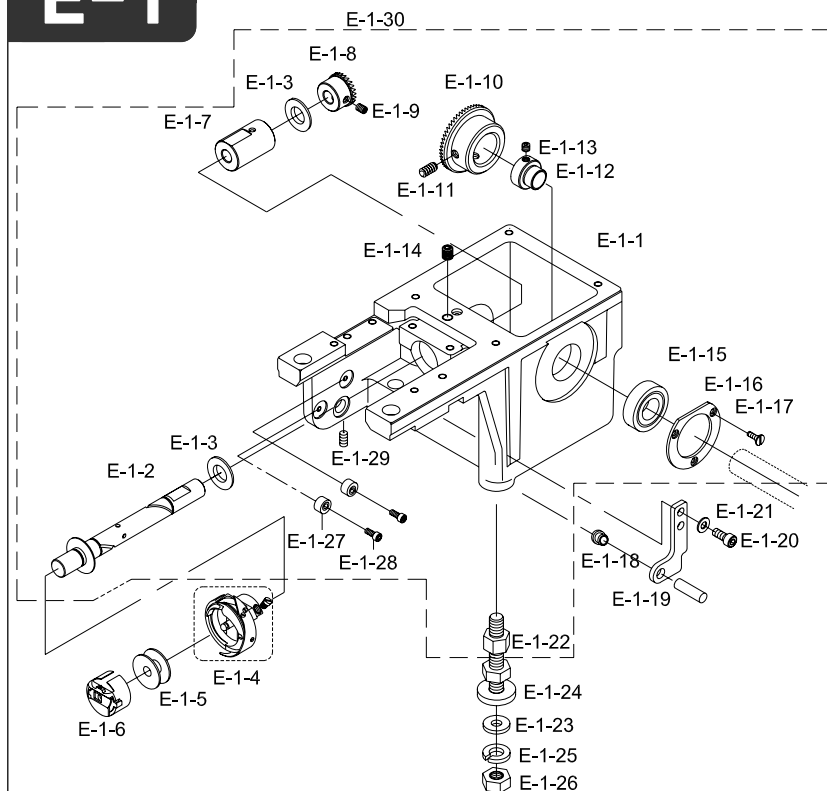
[illegible]

D

Rotary Hook Base



E-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
E-1-1	LHB-AB000100	Rotary Hook Base		X		4	
E-1-2	LHB-KC000200	Hook Shaft				4	
E-1-3	DWS-AA007200	Hook Shaft Bearing Washer				8	
E-1-4	HK-000002-00	Rotary Hook	Oct,06,09 ~	X		4	
E-1-5	LHB-HB000100	Bobbin				4	
E-1-6	04034AF-A001	Bobbin Case Set				4	
E-1-7	DBS-DA037100	Hook Shaft Bush	Feb,14,08 ~	X		4	
E-1-8	01101900U000	Hook Shaft Gear				4	
E-1-9	DSC-CB003300	Cam Collar Screw(1/4" N40 L6)				8	
E-1-10	01101700U000	Low Shaft Gear				4	
E-1-11	DSC-CB003300	Cam Collar Screw (1/4" n=40 L=6)				8	
E-1-12	DCL-AB005300	Bearing Bushing				4	
E-1-13	DSC-CB003300	Cam Collar Screw				8	
E-1-14	DSC-CB003200	Hook Shaft Bush Screw (15/64" L=6)				8	
E-1-15	PBR-AA004100	Ball Bearing 6003ZZR			O	4	
E-1-16	01100400H000	Bearing Cover				4	
E-1-17	DSC-BB006400	C.S Screw (M3*L3.5)				12	
E-1-18	DBS-DB011000	Presser Foot Guide Bush				4	
E-1-19	LTT-BB000100	Mes Shaft Bracket				4	
E-1-20	PSC-AC004100	Hex. Socket Bolt (M4*L8)			O	8	
E-1-21	PWS-AA003900	Washer (@4)			O	8	
E-1-22	DSC-HY000800	Stud Bolt (M10*L69)			O	12	
E-1-23	DWS-AA009900	Stud Bolt Washer(S) (@8)			O	12	
E-1-24	DWS-AA022700	Stud Bolt Washer(L) (@8)			O	12	
E-1-25	PWS-CA002000	Spring Washer (@8)			O	12	
E-1-26	DSN-AA005500	Hex. Nut (M8-No2)			O	24	
E-1-27	LPC-FA000100	Picker Stopper				8	
E-1-28	PSC-AC013400	Hex. Socket Bolt (M3*L10)			O	8	
E-1-29	PSC-CB004900	Drive Pin Screw 11/64,N40,L8				4	
E-1-30	AS-004808-00	Bed Assy	Jun,08,06 ~	X		4	
	AS-004808-01		Nov,17,08 ~	△			
	AS-004808-02		Jan.26.11 ~	△			

E-2

This exploded view diagram illustrates the assembly of the E-2 engine. The components are labeled with part numbers and their assembly sequence is indicated by numbers in parentheses. The diagram shows the engine block, cylinder head, and various internal components like the piston, connecting rod, and crankshaft. The assembly order is as follows:

- 1. E-2-1 (Cylinder head)
- 2. E-2-2 (Piston)
- 3. E-2-3 (Connecting rod)
- 4. E-2-4 (Crankshaft)
- 5. E-2-5 (Crankshaft pin)
- 6. E-2-6 (Crankshaft pin)
- 7. E-2-7 (Crankshaft pin)
- 8. E-2-8 (Crankshaft pin)
- 9. E-2-9 (Crankshaft pin)
- 10. E-2-10 (Crankshaft pin)
- 11. E-2-11 (Crankshaft pin)
- 12. E-2-12 (Crankshaft pin)
- 13. E-2-13 (Crankshaft pin)
- 14. E-2-14 (Crankshaft pin)
- 15. E-2-15 (Crankshaft pin)
- 16. E-2-16 (Crankshaft pin)
- 17. E-2-17 (Crankshaft pin)
- 18. E-2-18 (Crankshaft pin)
- 19. E-2-19 (Crankshaft pin)
- 20. E-2-20 (Crankshaft pin)
- 21. E-2-21 (Crankshaft pin)
- 22. E-2-22 (Crankshaft pin)
- 23. E-2-23 (Crankshaft pin)
- 24. E-2-24 (Crankshaft pin)

Note



E-3

Diagram illustrating the assembly of the E-3 component, showing various parts and their assembly sequence:

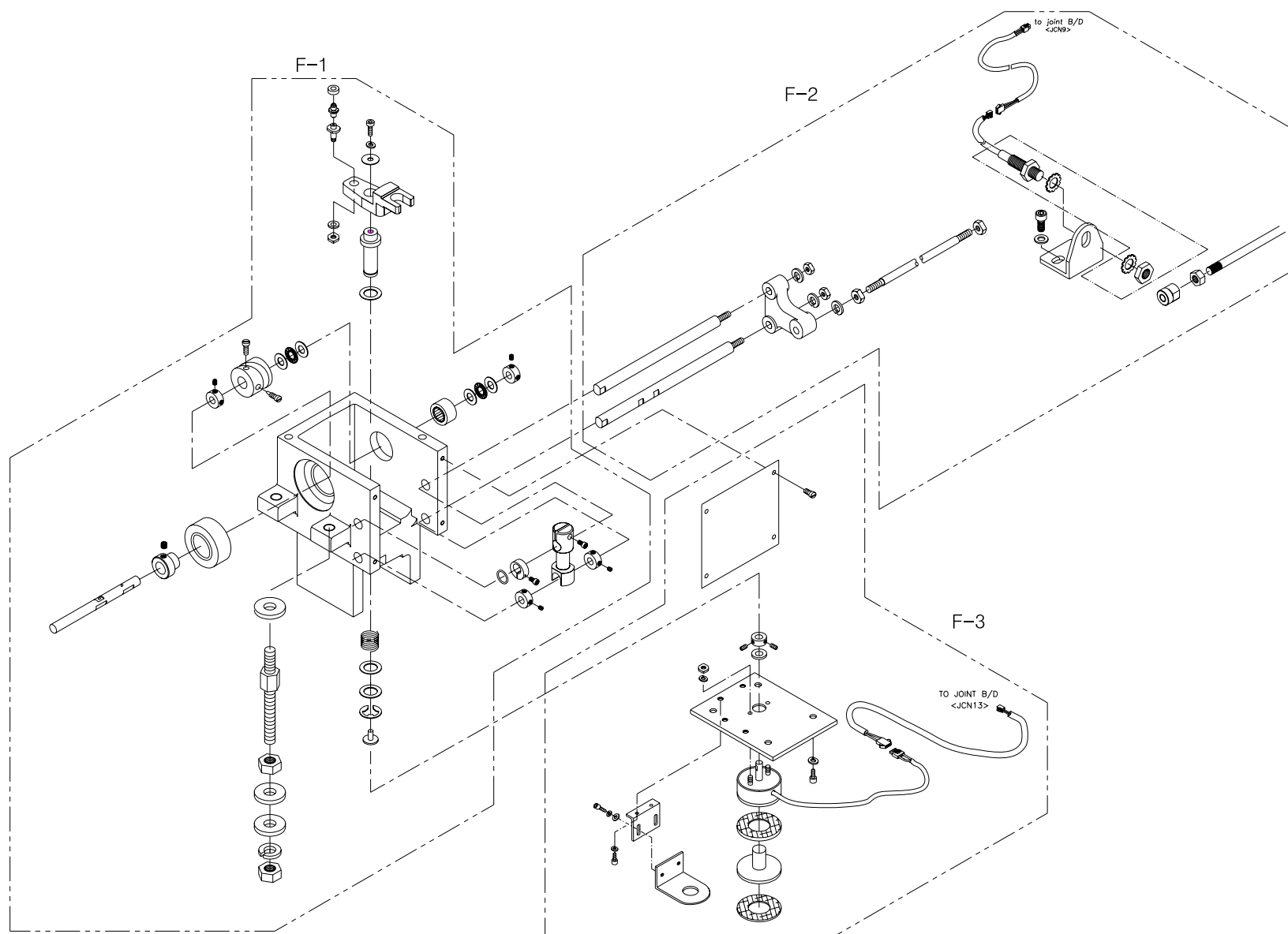
- E-3-1**: Main assembly unit.
- E-3-2**: Small rectangular plate.
- E-3-3**: Small rectangular plate.
- E-3-4**: Small rectangular plate.
- E-3-5**: Small rectangular plate.
- E-3-6**: Small rectangular plate.
- E-3-7**: Small rectangular plate.
- E-3-8**: Small rectangular plate.
- E-3-9**: Small rectangular plate.
- E-3-10**: Small rectangular plate.
- E-3-11**: Small rectangular plate.
- E-3-12**: Small rectangular plate.
- E-3-13**: Small rectangular plate.
- E-3-14**: Small rectangular plate.
- E-3-15**: Small rectangular plate.
- E-3-16**: Small rectangular plate.
- E-3-17**: Small rectangular plate.
- E-3-18**: Cable assembly.
- E-3-19**: Small rectangular plate.
- E-3-20**: Small rectangular plate.
- E-3-21**: Small rectangular plate.
- E-3-22**: Small rectangular plate.
- E-3-23**: Small rectangular plate.
- E-3-24**: Small rectangular plate.
- E-3-25**: Small rectangular plate.

to joint board
<JON12>

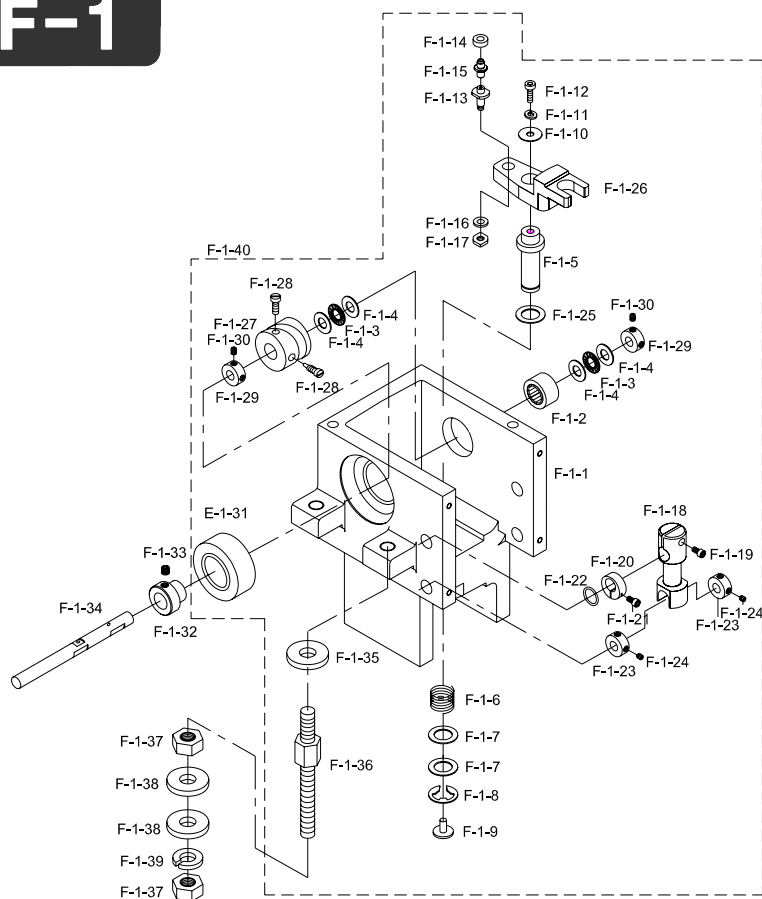
Note



Thread Cutting Drive System



F-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-1-1	03700100E000	Mes Cam Driving Box				1	
F-1-2	04027BR-A001	Needle Bearing (Hmk1515)				1	
F-1-3	PBR-BB000400	Thrust Bearing (Ntb 1528)				2	
F-1-4	PWS-AC000100	Thrust Washer (As 1528)				4	
F-1-5	08047CW-A001	Lever Support Pin				1	
F-1-6	08048SP-A001	Lever Return Spring				1	
F-1-7	08050SW-A001	Lever Stopper Pin Washer				2	
F-1-8	PSR-AC001400	E-Ring (@12)			O	1	
F-1-9	08052RB-A001	Lever Support Pin Cushion				1	
F-1-10	WS-000127-00	Lever Washer	Oct,17,05 ~	X		1	
F-1-11	PWS-CA000700	Spring Washer (@4)			O	1	
F-1-12	PSC-AC007100	Hex.Socket Bolt(M4*L10)			O	1	
F-1-13	PN-000722-00	Cam Collar Pin (L=19)	Jan.13.09 ~	X		1	
F-1-14	07030AF-UK01	Roller				1	
F-1-15	07026CW-UK01	Mes Cam Roller Shaft				1	
F-1-16	PWS-AA001400	Washer (@6)			O	1	
F-1-17	PSN-AA001300	Hex.Nut (M6*T5-R)			O	1	
F-1-18	08056CW-B001	Lever Driver Pin				1	
F-1-19	PSC-AC001300	Hex. Socket Bolt (M5*L20)			O	1	
F-1-20	DCL-AC000800	Stopper Collar				1	
F-1-21	PSC-AC017400	Hex. Socket Bolt (M5*L15)			O	1	
F-1-22	DPK-BA000900	O-Ring (@10)			O	1	
F-1-23	08059CW-B001	Mes Drive Guide Shaft Collar				2	
F-1-24	PSC-CB004800	Hex.Socket Screw(M6*L6)			O	4	
F-1-25	08044RB-B001	Cushion Washer (T2)				2	
F-1-26	GP-012734-00	Mes Cam Lever	Oct,17,05 ~	X		1	
F-1-27	GP-007345-00	Mes Cam	Jan,27,05 ~	X		1	
F-1-28	08038SC-UI12	Hex.Socket Set Screw				3	
F-1-29	03704900A000	Cam Shaft Collar				2	
F-1-30	DSC-CB003300	Cam Collar Screw (1/4" M40L6)				4	
F-1-31	PBR-AA011400	Ball Bearing (6004Zz)			O	1	
F-1-32	DBS-AA000600	Collar "A"				1	
F-1-33	DSC-CB003200	Hook Shaft Bush Screw				2	
F-1-34	08036SF-B001	Mes Cam Shaft				1	
F-1-35	01007SW-1111	Washer (10@)			O	4	
F-1-36	DSC-FG003400	Stud Bolt (M10*P1.5*L69)				4	
F-1-37	DSN-AA006900	Hex. Nut (M10*P1.25)			O	8	

F-1

Note

[illegible]

F-2

to joint B/D
<JCN9>

F-2-7

F-2-1

F-2-4

F-2-3

F-2-2

67

F-2-5

F-2-6

F-1-40

F-2-9

F-2-8

F-2-11

F-2-12

F-2-10

F-2-13

F-2-14

The diagram illustrates the assembly of the F-2 component. It shows a cable (F-2-7) being connected to a joint (B/D <JCN9>). The main assembly involves a bracket (F-2-1) with a gear (67) and a pin (F-2-2). Other components include a pin (F-2-4), a washer (F-2-3), a pin (F-2-5), a nut (F-2-6), a pin (F-2-9), a pin (F-2-8), a pin (F-2-11), a pin (F-2-12), a pin (F-2-10), a pin (F-2-13), and a pin (F-2-14). The assembly is shown in a dashed box, indicating it is a sub-assembly.

Note

[illegible]

F-3

This exploded view diagram illustrates the assembly of the F-3 component. The main assembly area is enclosed in a dashed line. At the top, a rectangular plate (F-3-1) is shown with three mounting holes. A screw (F-3-2) is positioned to secure it. Below this, a central assembly consists of a base plate (F-3-3) with several mounting holes. A cable (F-1-40) is connected to the base plate. A cylindrical component (F-3-4) is mounted on the base plate, with a screw (F-3-6) and a washer (F-3-14) used for attachment. A cable (F-3-18) is connected to the cylindrical component. A bracket (F-3-9) is shown with screws (F-3-10, F-3-11, F-3-12) and a washer (F-3-13) for mounting. A plate (F-3-8) is also shown. Two mesh-like components (F-3-7) are shown at the bottom. A label 'TO JOINT B/D <JCN13>' points to the cable connection.

F-3-1

F-3-2

F-3-3

F-3-4

F-3-5

F-3-6

F-3-7

F-3-8

F-3-9

F-3-10

F-3-11

F-3-12

F-3-13

F-3-14

F-3-15

F-3-16

F-3-17

F-3-18

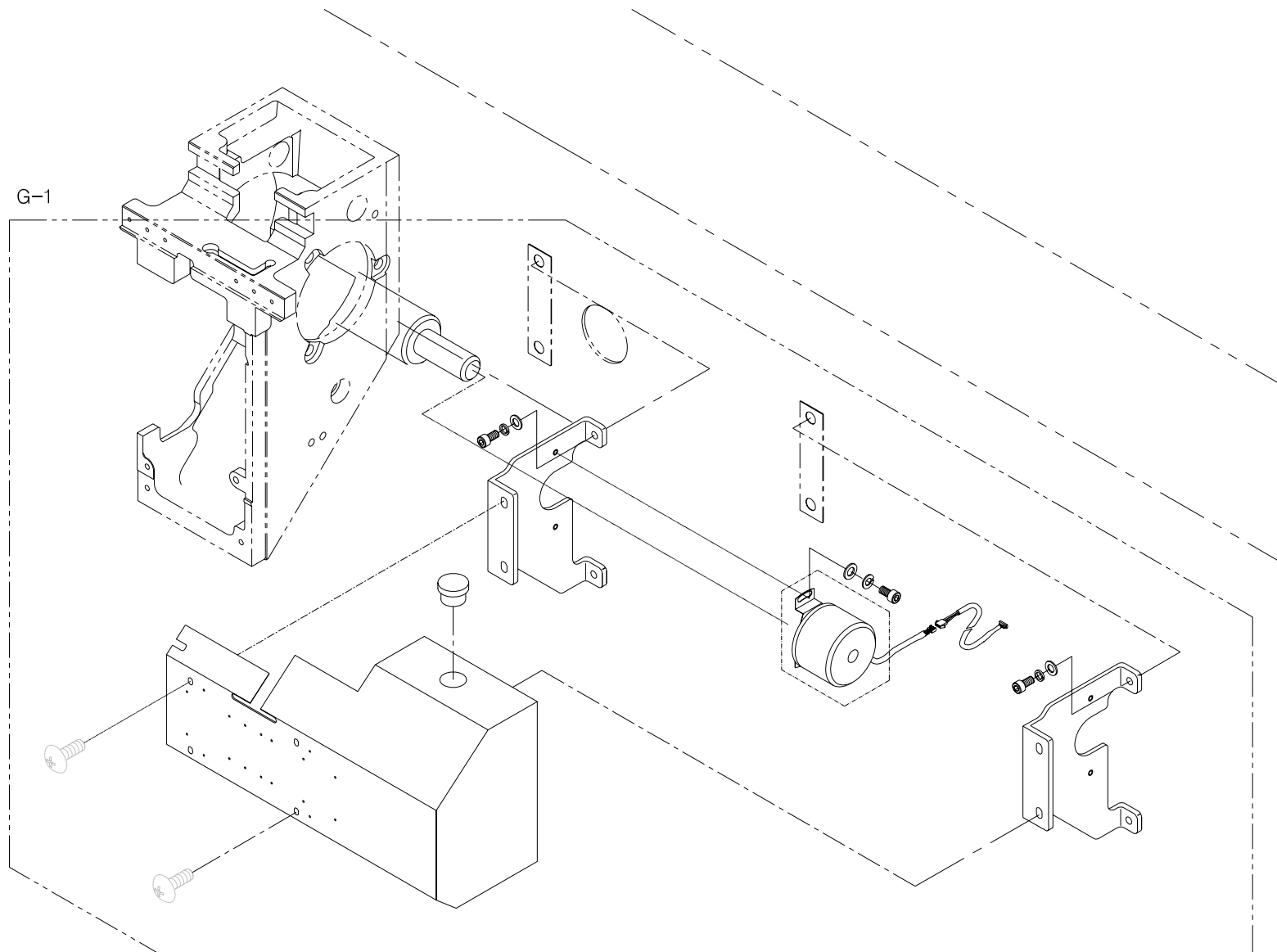
F-1-40

TO JOINT B/D
<JCN13>

Note



Encoder Set



G-1

This exploded view diagram illustrates the assembly of the G-1 unit. The components are labeled as follows:

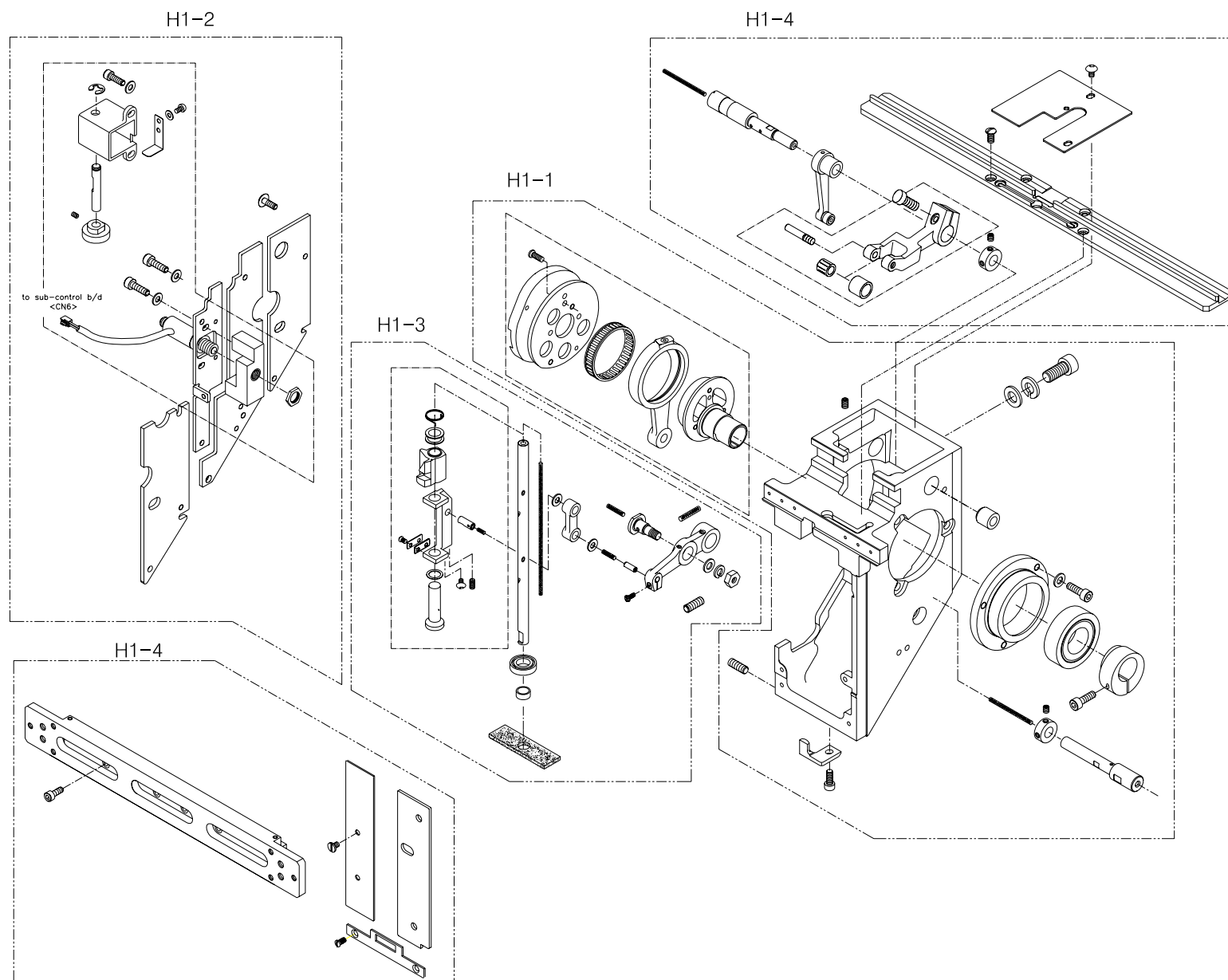
- G-1-1**: The main cylindrical component, likely a motor or actuator.
- G-1-2**: A small cylindrical pin or plug.
- G-1-3**: A small cylindrical pin or plug.
- G-1-4**: A small cylindrical pin or plug.
- G-1-5**: A bracket or mounting plate.
- G-1-6**: A small cylindrical pin or plug.
- G-1-7**: A small cylindrical pin or plug.
- G-1-8**: A small cylindrical pin or plug.
- G-1-9**: A screw or bolt.
- G-1-10**: A small cylindrical pin or plug.
- G-1-11**: The main rectangular housing or base.
- G-1-12**: A cable or wire.

The diagram shows the assembly sequence with dashed lines indicating the placement of each component. The main housing (G-1-11) is the base, with the motor (G-1-1) and various mounting brackets (G-1-5, G-1-6) being attached to it. The cable (G-1-12) is connected to the motor (G-1-1). The screws (G-1-9) are used to secure the housing (G-1-11) and the mounting brackets (G-1-5, G-1-6).

Note

[illegible]

Arm I



This exploded view diagram illustrates the assembly of the H1-1-19 unit. The main body is labeled H1-1-1. Key components and their assembly order are as follows:

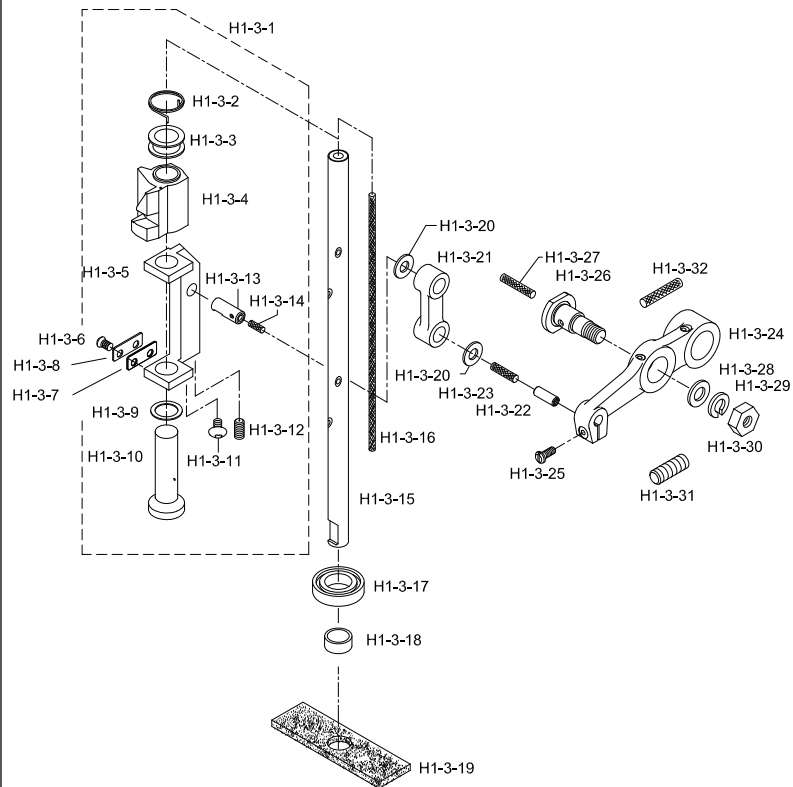
- Top Assembly (H1-1-9):** A dashed box indicates the top cover assembly, including:
 - H1-1-15: A screw for the top cover.
 - H1-1-14: A gasket or seal.
 - H1-1-13: A ring component.
 - H1-1-12: A flange or collar.
 - H1-1-11: A small circular component.
 - H1-1-10: A larger circular component with a central protrusion.
- Internal Components:**
 - H1-1-16: A small rectangular component mounted on the top of the main body.
 - H1-1-4: A screw and washer assembly.
 - H1-1-3: A small circular component.
 - H1-1-2: A small circular component.
 - H1-1-17: A small cylindrical component.
- Bottom and Side Components:**
 - H1-1-16: A screw for the bottom cover.
 - H1-1-18: A bracket or support arm.
 - H1-1-19: A small screw for the bracket.
 - H1-1-6: A large circular component with a central hole.
 - H1-1-8: A screw for the large circular component.
 - H1-1-7: A small circular component.
 - H1-1-5: A small circular component.
 - H1-1-20: A small circular component.
 - H1-1-24: A screw for the bottom cover.
 - H1-1-21: A small circular component.
 - H1-1-22: A long screw for the bottom cover.
 - H1-1-23: A small circular component.
 - H1-1-25: A long screw for the bottom cover.

Note





H1-3



Note

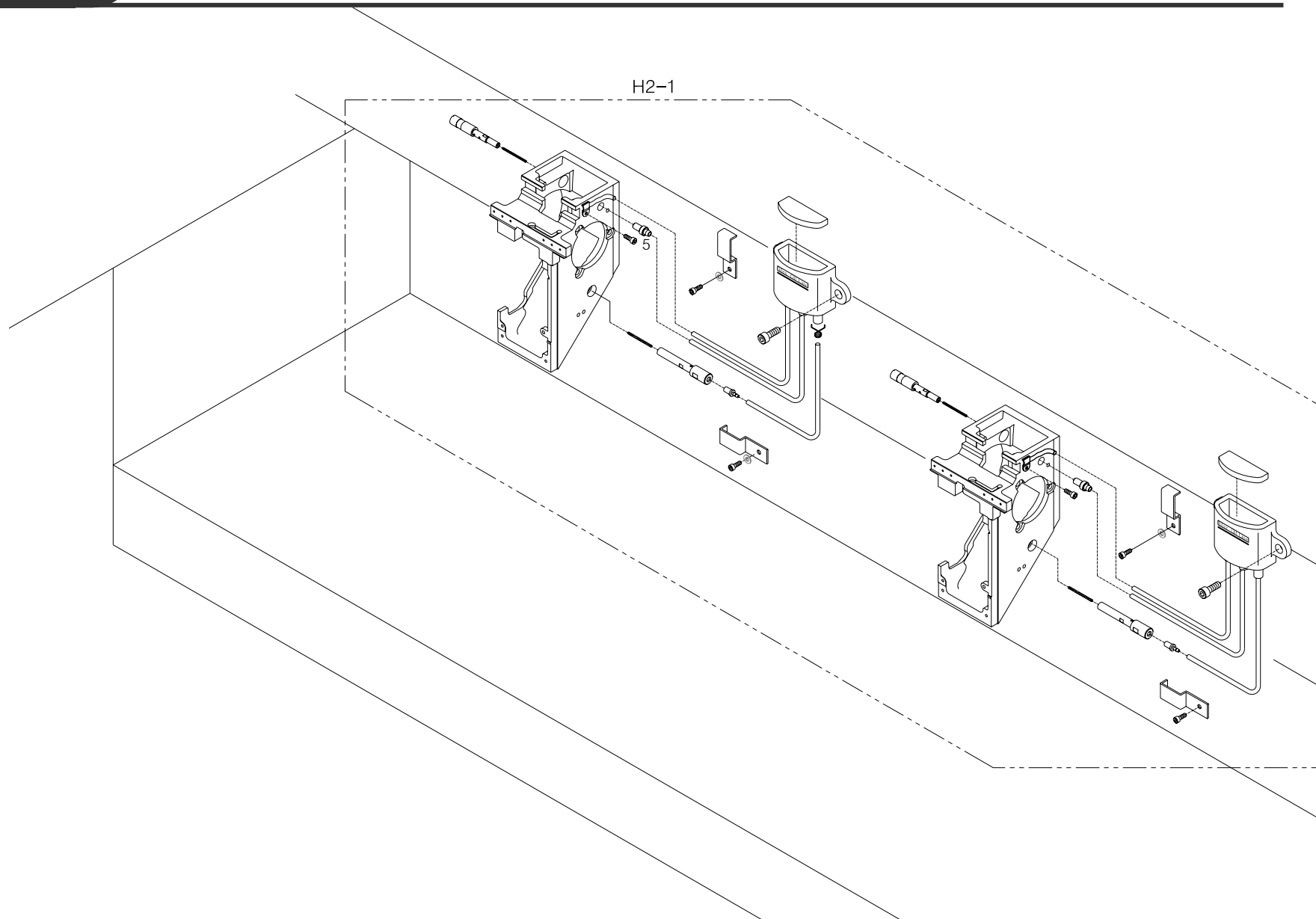
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-3-1	AS-004809-03	Needle Bar Reciprocator Set				4	
H1-3-2	DSP-AC007800	Jump Spring				4	
H1-3-3	LNB-BN000100	Jump Spring Guide				4	
H1-3-4	LNB-CW000200	Needle Bar Reciprocator	Dec,14,05 ~	X		4	
H1-3-5	GP-013585-00	Side Cover "A"	Dec,05,05 ~	X		4	
	GP-013585-01		Jan,09,07 ~	△			
H1-3-6	DSC-BF019000	Stopper Bracket Screw				8	
H1-3-7	03041PR-B001	Reciprocator Stopper				4	
H1-3-8	LNB-BB000400	Stopper Bracket				4	
H1-3-9	DWS-AA019700	Reciprocator Washer				4	
H1-3-10	GP-013587-00	Needle Bar Driving Shaft Bush	Dec,05,05 ~	X		4	
	GP-013587-01		Feb,20,09 ~	△			
H1-3-11	DSC-BH000800	Truss Screw (M3*L6)			O	4	
H1-3-12	PSC-CB004900	Drive Pin Screw 11/64,N40,L8			O	20	
H1-3-13	DPN-AA017800	Driver Pin				4	
H1-3-14	-	Wick				4	
H1-3-15	LNB-KC000200	Needle Bar Driving Shaft	Nov,07,05 ~	X		4	
H1-3-16	-	Wick				4	
H1-3-17	PBR-AA010000	Ball Bearing 689 (Ntn)			O	4	
H1-3-18	DBS-AA001000	Needle Bar Drive Bearing Bush				4	
H1-3-19	LLB-JL001300	Felt "B"				4	
H1-3-20	DWS-AA019900	Reciprocator Washer				8	
H1-3-21	DSC-BF015300	Hex.Scoket Bolt (M3*L15)			O	16	
H1-3-22	DPN-AA017700	Lever Pin				4	
H1-3-23	-	Wick				4	
H1-3-24	GP-020913-00	Needle Bar Drive Lever	Aug,26,06 ~	X		4	
	GP-020913-01		Nov,14,06 ~	△			
H1-3-25	PSC-AC007100	Driving Lever Pin Screw				4	
H1-3-26	03023SC-A001	Connecting Rod Stud				4	
H1-3-27	-	Wick				4	
H1-3-28	DWS-AA008400	Washer (@6)			O	4	
H1-3-29	PWS-CA002700	Spring Washer (@6)			O	4	
H1-3-30	DSN-AA005600	Stud Nut				4	
H1-3-31	PSC-CB004900	Drive Pin Screw 11/64,N40,L8			O	20	
H1-3-32	-	Wick				4	

[illegible]

Note

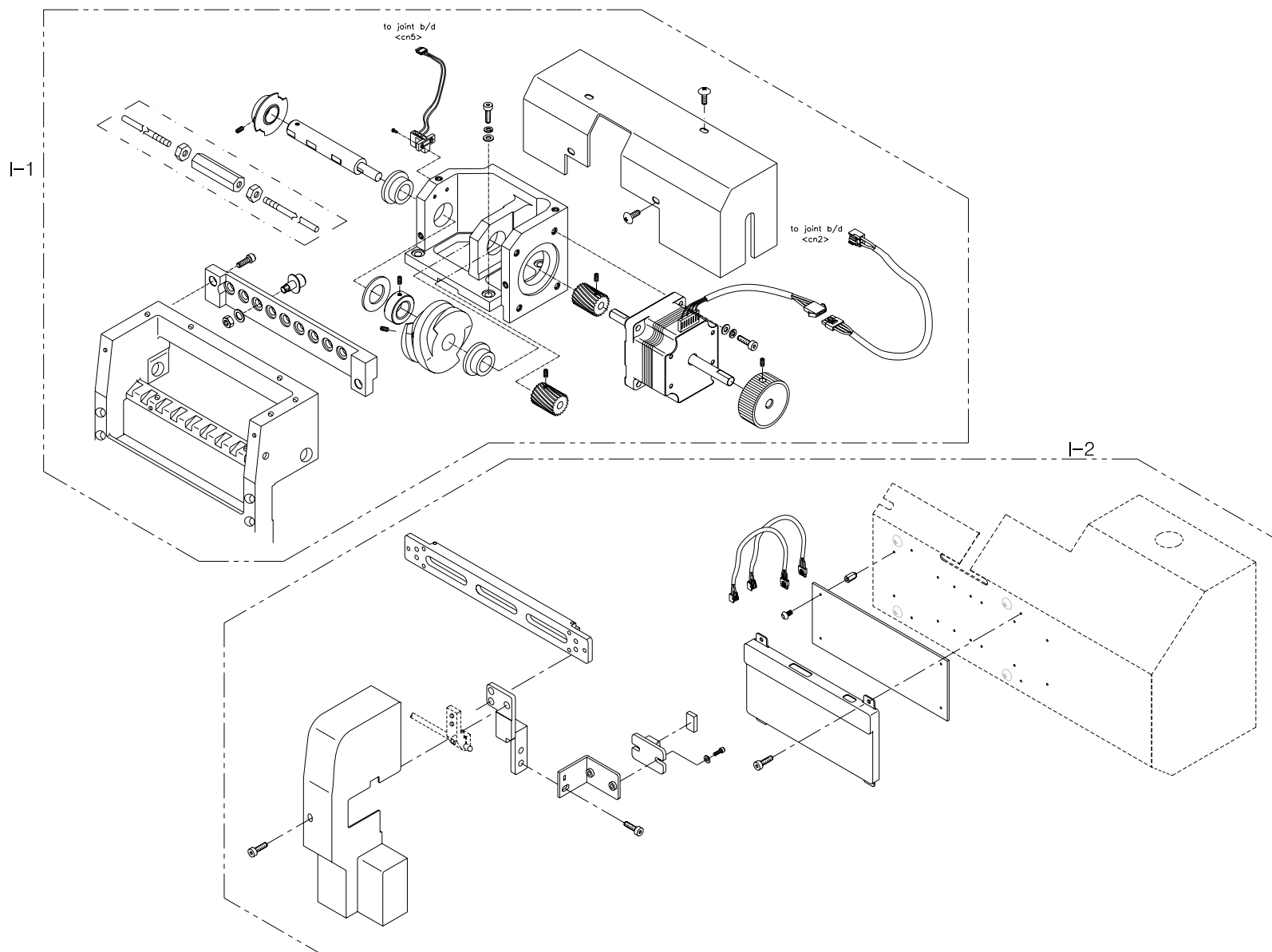


Arm II

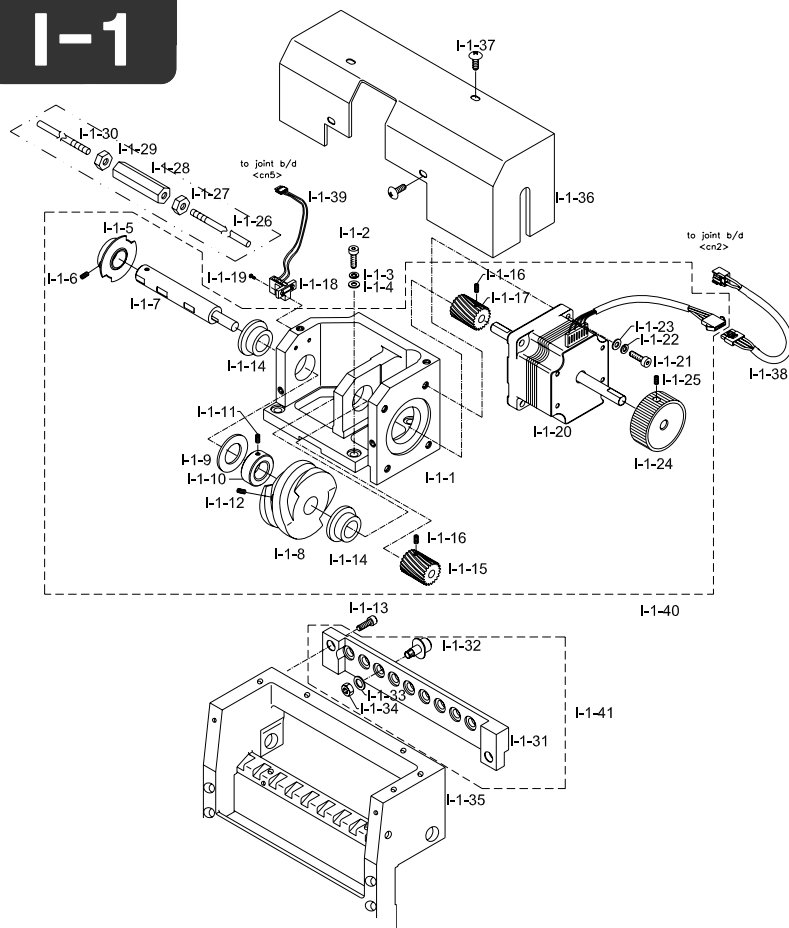


[illegible]

Color Change System



I-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-1-1	LCC-BA000100	Color Change Base				1	
I-1-2	PSC-AC017000	Hex.Socket Bolt (M4*L16)			O	4	
I-1-3	PWS-CA000700	Spring Washer (@4)			O	4	
I-1-4	PWS-AA004400	Washer (@4-L)				4	
I-1-5	BCC-PS001000	Color Change Film Set				1	
I-1-6	PSC-CB004900	Drive Pin Screw 11/64,N40,L8			O	3	
I-1-7	LCC-KF000200	Color Change Shaft				1	
I-1-8	LCC-DG000300	Color Change Cam				1	
I-1-9	PWS-AA001100	Washer(@12* @26*1T)			O	1	
I-1-10	DCL-AA011500	Color Change Collar				1	
I-1-11	PSC-CB004900	Drive Pin Screw 11/64,N40,L8			O	2	
I-1-12	DSC-CB003200	Hook Shaft Bush Screw				3	
I-1-13	13031SC-8118	Plus Screw (M5*L12)			O	2	
I-1-14	DBS-DB012600	Cam Bushing	Dec,15,04 ~	X		2	
I-1-15	DGR-AB002300	Color Change Gear (R)				1	
I-1-16	PSC-CB004900	Drive Pin Screw 11/64,N40,L8			O	4	
I-1-17	DGR-AB002400	Color Change Gear (L)				1	
I-1-18	08102300B000	Half Turn Sensor (Gp1S51V)				1	
I-1-19	PSC-BD001100	Plus Screw (M3*L5)			O	2	
I-1-20	13016MT-UK06	Color Change Motor (4 Head)				1	
	13027MT-UK06	Color Change Motor (6 Head)				1	
I-1-21	PSC-AC017000	Hex.Socket Bolt (M4*L16)			O	4	
I-1-22	PWS-CA000700	Spring Washer (@4)			O	4	
I-1-23	PWS-AA004400	Washer (@4-L)			O	4	
I-1-24	DTC-AB000200	Color Change Passivity Handle				1	
I-1-25	PSC-CB004900	Drive Pin Screw 11/64,N40,L8			O	2	
I-1-26	LCC-KC001500	Color Change Shaft "A"				1	
I-1-27	PSN-AA004300	Hex. Nut(L) (M6*T5-L)			O	1	
I-1-28	DSN-CG000300	Mes Priving Shaft Joint				1	
I-1-29	PSN-AA001300	Hex.Nut (M6*T5-R)			O	1	
I-1-30	LCC-KC001600	Color Change Shaft "B"				1	
I-1-31	LCC-BA000400	Color Change Roller Base 9C				1	
I-1-32	LCC-CL000200	Roller Set	Mar,19,08 ~	X		9	
I-1-33	PWS-CA000800	Spring Washer (@5)			O	9	
I-1-34	PSN-AA002600	Hex.Nut (M5)			O	9	
I-1-35	LHD-AF000300	Head "B" (9C)	Nov,03,08 ~	X		1	
I-1-36	13043PR-UK06	Color Change Cover				1	

The diagram illustrates the assembly of the I-1 unit. Key components and their assembly sequence are as follows:

- Top Housing:** I-1-36 is the main top housing, which is secured with screw I-1-37.
- Internal Assembly:** This section, enclosed in a dashed box, includes:
 - Motor and Drive:** Motor I-1-15 is connected to a drive shaft I-1-16, which is linked to a gear I-1-24 via a belt I-1-17.
 - Internal Frame:** I-1-1 is the central frame, which houses the motor and other internal components.
 - Accessories:** A cable I-1-38 is connected to the internal assembly via a connector I-1-23.
- Bottom Housing:** I-1-41 is the main bottom housing, which is secured with screw I-1-35.
- Internal Components:** I-1-13, I-1-32, I-1-33, I-1-34, and I-1-31 are components that fit into the bottom housing.

The diagram also includes various other components and their assembly sequence, such as I-1-1, I-1-2, I-1-3, I-1-4, I-1-5, I-1-6, I-1-7, I-1-8, I-1-9, I-1-10, I-1-11, I-1-12, I-1-14, I-1-18, I-1-19, I-1-20, I-1-21, I-1-22, I-1-25, I-1-26, I-1-27, I-1-28, I-1-29, I-1-30, I-1-37, I-1-38, I-1-40, and I-1-41.

Note

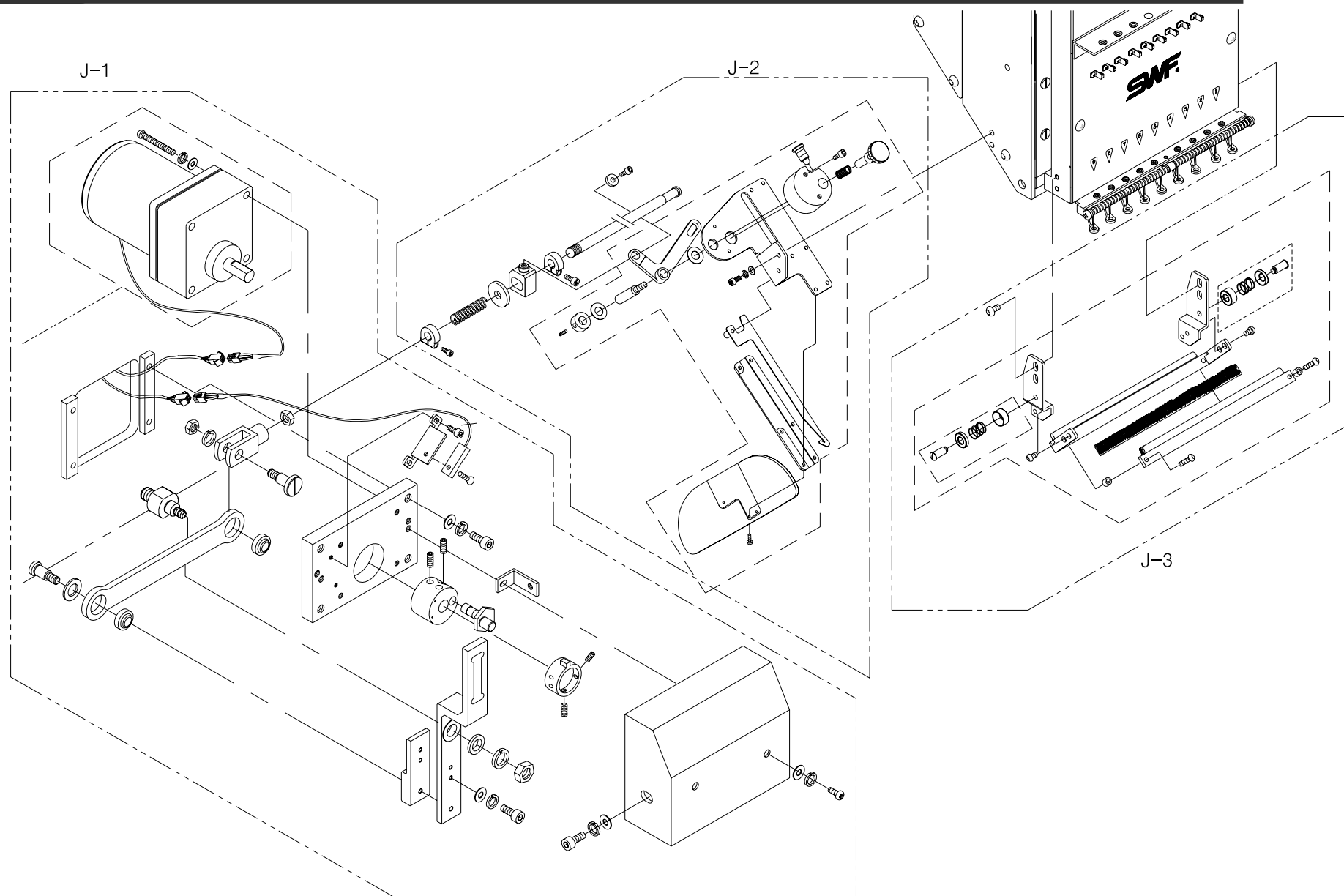
I-2

This exploded view diagram illustrates the assembly of the I-2 unit. The components and their assembly sequence are as follows:

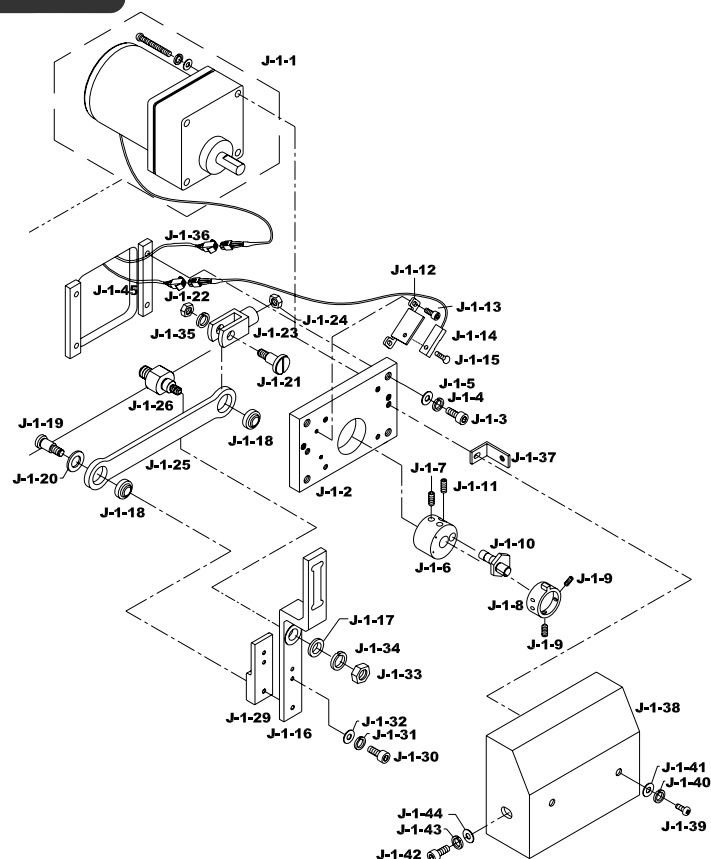
- I-2-1**: The main vertical housing, which is first secured with screw **I-2-11**.
- I-2-2**: A vertical plate that is attached to the side of the housing.
- I-2-3**: A horizontal plate that is mounted to the bottom of the vertical plate **I-2-2** using screw **I-2-14**.
- I-2-4**: A horizontal base plate that is positioned below the main housing.
- I-2-5**: A large rectangular panel that is mounted to the front of the base plate **I-2-4** using screw **I-2-10**.
- I-2-6**: A cable with two connectors, which is plugged into the back of the panel **I-2-5**.
- I-2-7**: A small component that is inserted into the top of the panel **I-2-5**.
- I-2-8**: A small component that is inserted into the top of the panel **I-2-5**.
- I-2-9**: A small component that is inserted into the top of the panel **I-2-5**.
- I-2-12** and **I-2-13**: A small component and a screw, respectively, which are used to secure the top of the panel **I-2-5**.
- I-2-15**: A small component that is inserted into the top of the panel **I-2-5**.

O

Wiper Set



J-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
J-1-1	EP-000141-00	Upper Thread Hook Motor Unit	Mar,22,06 ~	X		1	
J-1-2	GP-046540-00	Motor Base	Jun,09,09 ~ Jul,08,10	X	O	1	
	GP-046540-01		Jul,08,10 ~	△			
J-1-3	PSC-AC007200	Hex.Socket Bolt(M6*L25)			O	4	
J-1-4	PWS-CA001000	Spring Washer (@6)			O	4	
J-1-5	PWS-AA001400	Washer (@6)				4	
J-1-6	LWP-BK000100	Cam Shaft Fixing Block				1	
J-1-7	PSC-CB001900	Hex.Socket Bolt(M5*L8)			O	2	
J-1-8	LWP-BN000100	SENSOR SENSING ADJUSTING RING				1	
J-1-9	PSC-CB000300	Hex.Socket Set Screw(M5*L5)			O	2	
J-1-10	LWP-KH000100	Motor Driving Cam Shaft				1	
J-1-11	PSC-CB000300	Hex.Socket Set Screw(M5*L5)			O	1	
J-1-12	LWP-BA001300	UPPER THREAD HOOK SENSOR BASE	Oct,13,04 ~	X		1	
J-1-13	PSC-AC007500	Bracket Screw (M3*L6)			O	2	
J-1-14	15-027A-2070	SENSOR				1	
J-1-15	PSC-BB002200	Plus Screw (M3*L10)			O	1	
J-1-16	LWP-BJ000100	Upper Thread Driving Plate				1	
J-1-17	WS-000549-00	Stud Bolt Washer	Feb,20,09 ~ Jun,24,09	X		1	
	WS-000549-01		Jun,24,09 ~	△			
J-1-18	PBR-AA010300	Motor Driving Connect Bearing				2	
J-1-19	DSC-FA022300	Connecting Plate Stud Screw A				1	
J-1-20	DWS-AA020500	Connecting Plate Pin Washer				1	
J-1-21	DSC-FA022401	Connecting Plate Stud Screw	Jan,13,09 ~	X		1	
J-1-22	PSN-AA001300	Hex.Nut (M6*T5-R)			O	1	
J-1-23	LWP-BM000100	Connecting Plate Knuckle				1	
J-1-24	DSN-AA005500	Hex. Nut (M8-No2)			O	1	
J-1-25	LWP-BJ000201	MOTOR DRIVING CONNECT PLATE	Jan,13,09 ~	X		1	
J-1-26	DSC-FG002800	Stud Bolt For Driving Plate	Jul,08,10 ~	X		1	
J-1-29	LWP-BK000200	Driving Plate Block"C"	Sep,21,06 ~	X		1	
J-1-30	PSC-AC003900	Hex.Socket Bolt (M5*L15)			O	2	
J-1-31	PWS-CA000800	Spring Washer (5@)			O	2	
J-1-32	PWS-AA001500	Washer (@5)			O	2	
J-1-33	DSN-AA005500	Hex. Nut (M8-No2)			O	1	
J-1-34	PWS-CA002000	Spring Washer (@8)			O	1	
J-1-35	PWS-CA001000	SPRING WASHER (@6)				1	
J-1-36	02106700U040	Sh-67-2				1	
J-1-37	LWP-BB000100	Motor Cover Fixing Bracket			O	2	

J-1

This exploded view diagram illustrates the assembly of the J-1 unit. The components are labeled as follows:

- J-1-1**: Main housing or motor unit.
- J-1-2**: Central mounting plate.
- J-1-3** through **J-1-11**: Various mounting brackets, pins, and fasteners.
- J-1-12** through **J-1-18**: Additional mounting components and fasteners.
- J-1-19** through **J-1-26**: Long mounting arms and associated hardware.
- J-1-27** through **J-1-34**: Mounting brackets and fasteners for the lower section.
- J-1-35** through **J-1-42**: Fasteners and small components for the lower section.
- J-1-43** through **J-1-45**: Final mounting components and fasteners.

The diagram shows the relative positions and assembly sequence of these parts, with dashed lines indicating the alignment and path of assembly.

Note

[illegible]

This diagram shows the exploded view of the J-2 assembly. The components are labeled with callouts J-2-1 through J-2-27. The assembly includes a main body (J-2-1), a lever arm (J-2-2), a spring (J-2-15), a roller (J-2-16), a pin (J-2-17), a bush (J-2-18), a nut (J-2-19), a bolt (J-2-20), a pin (J-2-21), a roller (J-2-22), a pin (J-2-23), a pin (J-2-24), a pin (J-2-25), a pin (J-2-26), and a pin (J-2-27). The diagram also shows the J-2-10 and J-2-11 components, which are part of the J-2-12 assembly.

J

J-3

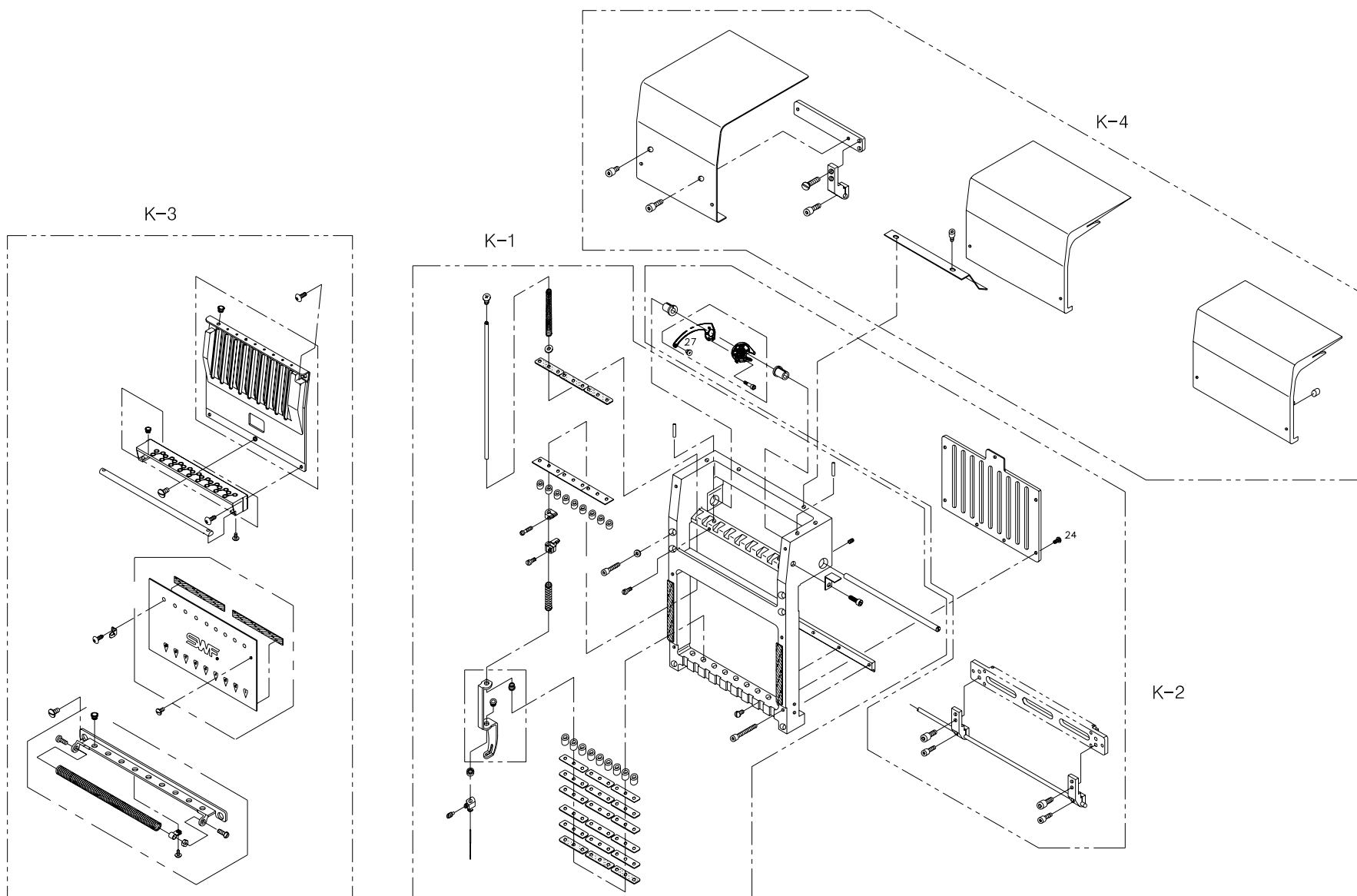
The diagram illustrates the assembly of the J-3 component, showing the following parts and their assembly sequence:

- J-3-1**: The main body of the assembly.
- J-3-2**: A bracket that fits onto the side of J-3-1.
- J-3-3**: A bracket that fits onto the top of J-3-1.
- J-3-4**: A screw that secures J-3-2 to J-3-1.
- J-3-5**: A spring that is part of the internal mechanism.
- J-3-6**: A roller or pulley that guides the spring.
- J-3-7**: A small pin or clip that holds the spring in place.
- J-3-8**: A small pin or clip that holds the spring in place.
- J-3-9**: A small pin or clip that holds the spring in place.
- J-3-10**: A long, thin component that fits into the main body.
- J-3-11**: A small pin or clip that secures J-3-10.
- J-3-12**: A small pin or clip that secures J-3-10.
- J-3-13**: A long, thin component that fits into the main body.
- J-3-14**: A small pin or clip that secures J-3-13.
- J-3-15**: A small pin or clip that secures J-3-13.

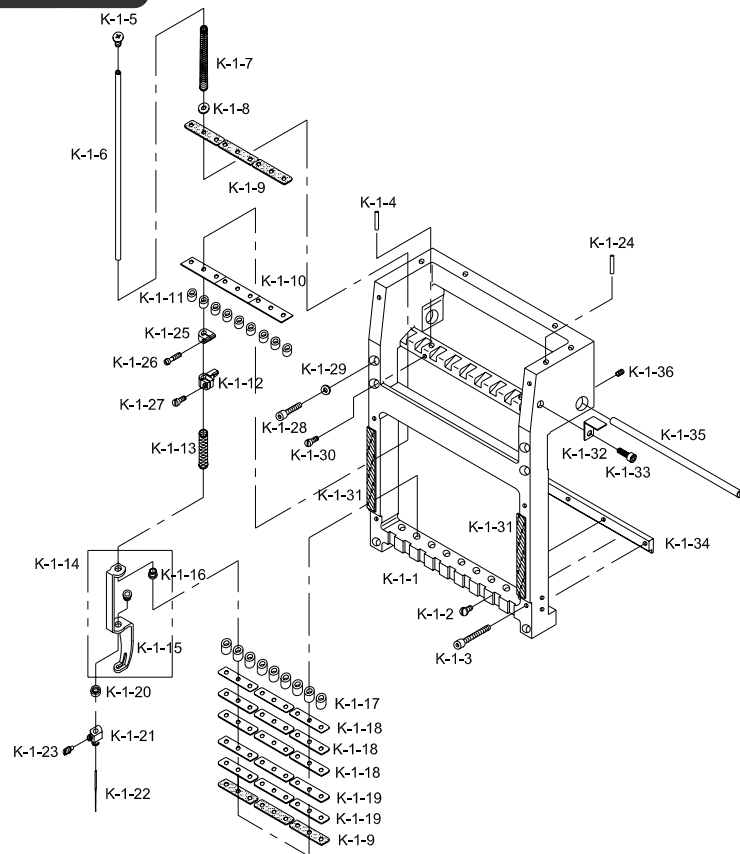
Note

J

Head



K-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
K-1-1	LHD-AF001000	Head	Dec,14,07 ~	X		4	
K-1-2	DSC-BJ002100	Head Rail Screw (M4*L5)	Sep,14,05 ~	X		8	
K-1-3	PSC-AC004400	Hex. Socket Bolt (M4*L25)			O	8	
K-1-4	DPN-AA018600	Head Base Pin(@5*L15)			O	4	
K-1-5	PSC-BH001700	Needle Bar Cover Screw (M5*L6)			O	36	
K-1-6	LNB-KA000100	Needle Bar	Sep,14,05 ~	X		36	
K-1-7	DSP-AA016400	Needle Bar Return Spring	Sep,02,05 ~	X		36	
K-1-8	DWS-AA020300	Spring Shoe Washer				36	
K-1-9	LLB-JL000300	Felt				24	
K-1-10	LNB-BJ000100	Needle Bar Cushion Rubber "A"				12	
K-1-11	LNB-BN000200	Needle Bar Cushion Rubber "B"				36	
K-1-12	LNB-BF000400	Needle Bar Holder	Jan,13,09 ~	X		36	
K-1-13	DSP-AA016500	Presser Foot Pressure Spring	May,03,07 ~	X		36	
K-1-14	05029BM-A001	Presser Foot Set				36	
K-1-15	LPF-GC000600	Presser Foot	Dec,14,05 ~	X		36	
K-1-16	DBS-DB011000	Presser Foot Guide Bush				72	
K-1-17	LPF-FA000300	Presser Foot Cushion Rubber"B				36	
K-1-18	LPF-FZ000100	Presser Foot Adjusting Rubber				36	
K-1-19	LPF-FZ000200	Presser Foot Adjusting Rubber				24	
K-1-20	LPF-FA000200	Presser Foot Cushion Rubber"A				36	
K-1-21	LNB-BF000200	Needle Fixed Holder				36	
K-1-22	PTC-CA001300	Needle (Db-K5, #11)			O	36	
K-1-23	DSC-FF003700	Needle Fixed Screw (A/S)				36	
K-1-24	DPN-AA018700	Tension Plate Pin				16	
K-1-25	LNB-BB000200	Upper Dead Point Stopper				36	
K-1-26	DSC-AC003200	Stopper Screw (9/64-11.5)				36	
K-1-27	DSC-AC003300	Holder Screw (9/64-L8)				36	
K-1-28	PSC-AC017000	Hex.Socket Bolt (M4*L16)			O	16	
K-1-29	PWS-AA003900	Washer (@4)			O	16	
K-1-30	PSC-CB000600	Hex. Socket Set Screw(M4*L5)			O	4	
K-1-31	12100203B000	Magnetic Rubber "A"				8	
K-1-32	02022PR-UK01	Upper Shaft Cover "B" Bracket			O	6	
K-1-33	PSC-AC016100	Hex. Socket Bolt (M4*L5)				6	
K-1-34	LHD-BP000500	Head Rail	Sep,11,08 ~	X		4	
K-1-35	LTH-KC000100	Take-Up Lever Shaft (9C)				4	
K-1-36	PSC-CB002300	Hex.Socket Set Screw (M5*L6)			O	4	
K-1-37	AS-005641-00	Head Assy (9C Flat)	Nov,02,06 ~	X		4	

K-2

Diagram illustrating the assembly of the K-2 door, showing the main door frame and internal components.

Key components and hardware labeled:

- K-2-1**: Main door frame assembly.
- K-2-2**: Locking mechanism (cylinder).
- K-2-3**: Locking pin/bolt.
- K-2-4**: Locking pin/bolt.
- K-2-5**: Locking pin/bolt.
- K-2-6**: Ventilation grille.
- K-2-7**: Mounting pin/bolt for the grille.
- K-2-8**: Locking pin/bolt.
- K-2-9**: Locking pin/bolt.
- K-2-10**: Locking pin/bolt.
- K-2-11**: Locking pin/bolt.
- K-2-12**: Locking pin/bolt.
- K-2-13**: Locking pin/bolt.
- K-1-37**: Mounting pin/bolt for the grille.

Note



K-3

This exploded view diagram illustrates the assembly of the K-3 unit. The components are labeled as follows:

- K-3-1:** Top panel with vertical slats.
- K-3-2:** Slat assembly.
- K-3-3:** Screws for the top panel.
- K-3-4:** Bottom panel.
- K-3-5:** Side panel.
- K-3-6:** Side panel slats.
- K-3-7:** Screws for the side panel.
- K-3-8:** Bottom panel slats.
- K-3-9:** Screws for the bottom panel.
- K-3-10:** Front panel with the "SWF" logo.
- K-3-11:** Front panel slats.
- K-3-12:** Screws for the front panel.
- K-3-13:** Screws for the front panel.
- K-3-14:** Screws for the front panel.
- K-3-15:** Screws for the front panel.
- K-3-16:** Spring.
- K-3-17:** Spring support bar.
- K-3-18:** Screws for the spring support bar.
- K-3-19:** Screws for the spring support bar.
- K-3-20:** Screws for the spring support bar.
- K-3-21:** Screws for the spring support bar.

Note



K-4

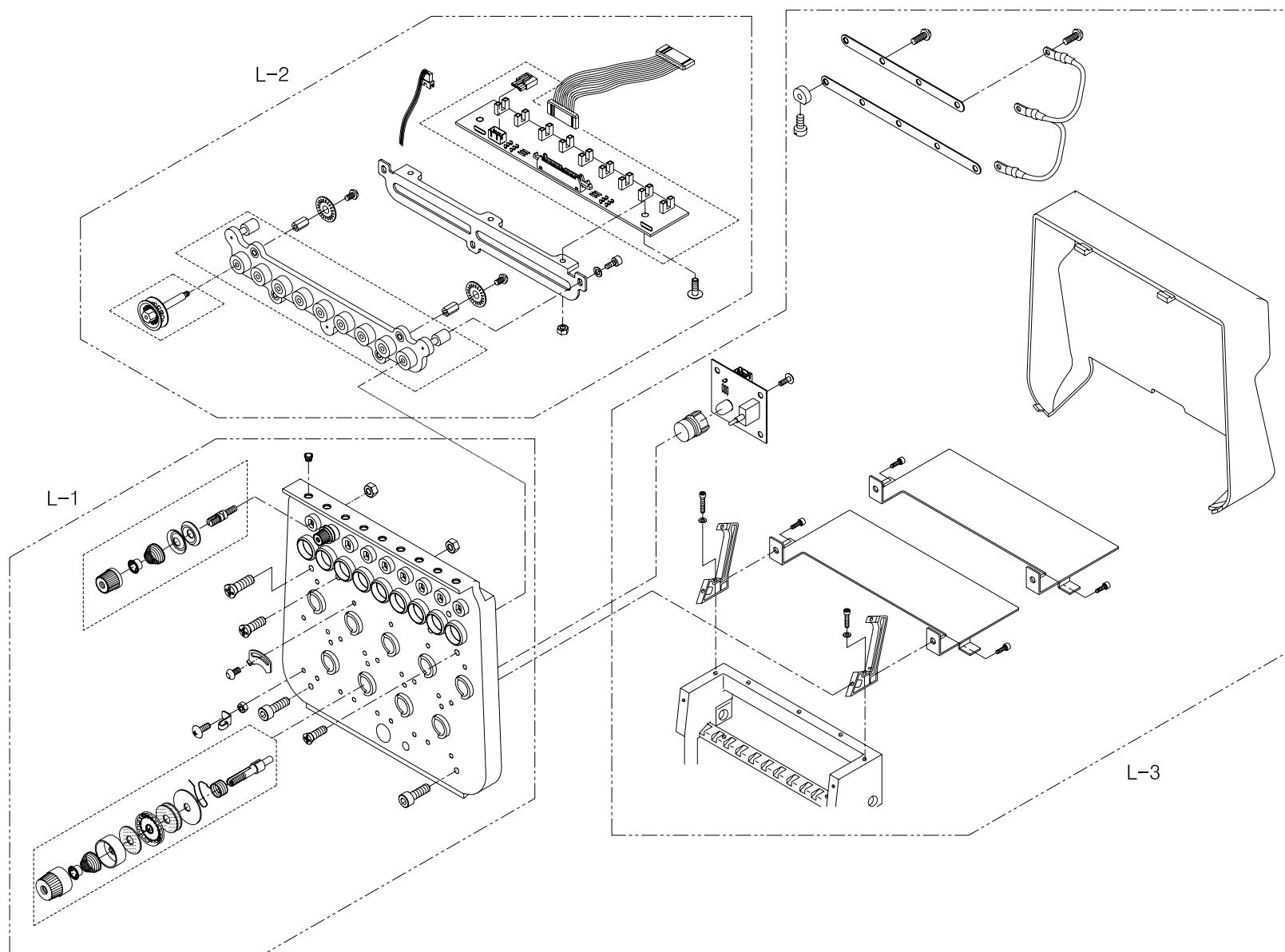
The diagram illustrates the assembly of the K-4 component in three steps:

- Top View:** Shows the main body (K-4-1) with a top plate (K-4-7) being attached. Screws K-4-8 and K-4-9 are used for the front panel. A bracket (K-4-6) is attached to the side using screws K-4-10 and K-4-11. A small component K-4-12 is also shown.
- Side View:** Shows the side panel (K-4-1) with a bracket (K-4-4) being attached using screw K-4-5.
- Bottom View:** Shows the bottom panel (K-4-2) with a screw (K-4-3) being inserted into the front panel.

Note



Thread Tension Unit



L-1

This diagram illustrates the exploded view of the L-1 rear panel assembly. The main component is the rear panel, which features a grid of circular ports. Various screws and fasteners are shown being installed into the panel. The components are labeled as follows:

- L-1-1: Screw for the bottom right corner.
- L-1-2: Screw for the bottom left corner.
- L-1-3: Washer for the bottom left corner.
- L-1-4: Washer for the bottom left corner.
- L-1-5: Washer for the bottom left corner.
- L-1-6: Washer for the bottom left corner.
- L-1-7: Screw for the bottom left corner.
- L-1-8: Washer for the bottom left corner.
- L-1-9: Washer for the bottom left corner.
- L-1-10: Washer for the bottom left corner.
- L-1-11: Washer for the bottom left corner.
- L-1-12: Washer for the top left corner.
- L-1-13: Washer for the top left corner.
- L-1-14: Washer for the top left corner.
- L-1-15: Washer for the top left corner.
- L-1-16: Washer for the top left corner.
- L-1-17: Washer for the top left corner.
- L-1-18: Screw for the top left corner.
- L-1-19: Washer for the top left corner.
- L-1-20: Washer for the top left corner.
- L-1-21: Washer for the top left corner.
- L-1-22: Washer for the top left corner.
- L-1-23: Washer for the top left corner.
- L-1-24: Washer for the top left corner.
- L-1-25: Washer for the top left corner.
- L-1-26: Washer for the top left corner.
- L-1-27: Washer for the top left corner.

Note



L-2

This exploded view diagram illustrates the assembly of the L-2 component. The main assembly area is enclosed in a dashed rectangle. At the top, a cable (L-2-2) is connected to a multi-pin connector (L-2-1) on a printed circuit board. Below the board, a long metal bracket (L-2-4) is shown with various mounting points. A screw (L-2-3) is shown being inserted into the bracket. A long metal rail (L-2-7) is shown below the bracket, with several screws (L-2-8) being inserted into it. A circular component (L-2-9) is shown being inserted into the rail. A small screw (L-2-5) is shown being inserted into the bracket. A small screw (L-2-6) is shown being inserted into the bracket. A small screw (L-2-10) is shown being inserted into the bracket. A small screw (L-2-11) is shown being inserted into the rail.

Note



L-3

The diagram illustrates the assembly of the L-3 component, showing the following parts and their assembly sequence:

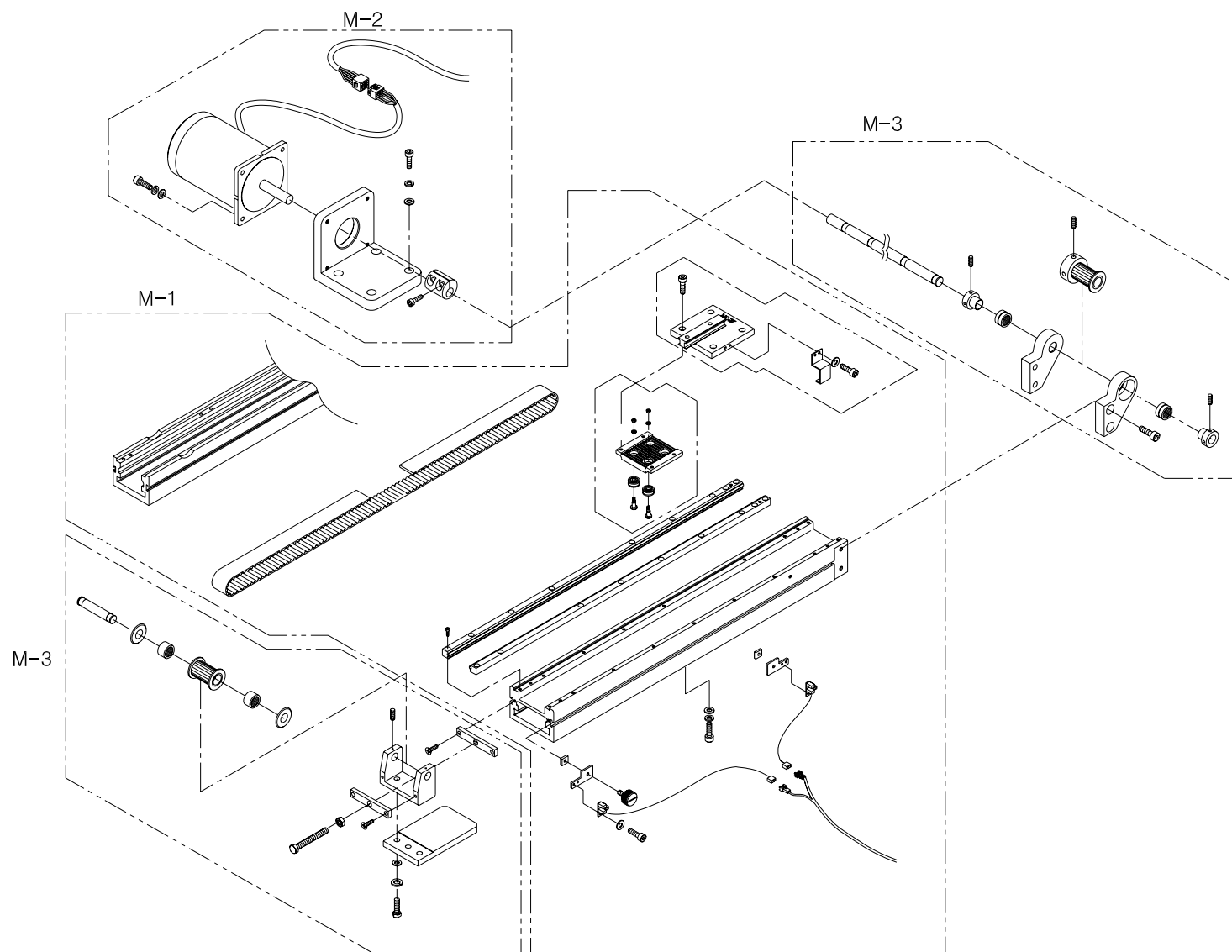
- L-3-10**: The main rectangular frame or panel.
- L-3-11**: A long horizontal bar with four mounting holes.
- L-3-12**: A small circular component with a central hole.
- L-3-13**: Two long horizontal bars, each with two mounting holes.
- L-3-14**: A curved cable or hose with two connectors.
- L-1-27**: A small rectangular plate with two mounting holes.
- L-3-8**: A small circular component with a central hole.
- L-3-9**: A small rectangular plate with two mounting holes.
- L-3-7**: A small rectangular plate with two mounting holes.
- L-3-2**: Two small rectangular plates with mounting holes.
- L-3-3**: A large rectangular plate with mounting holes.
- L-3-4**: Two small rectangular plates with mounting holes.
- L-3-5**: Two small rectangular plates with mounting holes.
- L-3-6**: Two small rectangular plates with mounting holes.

The assembly sequence is indicated by dashed lines and arrows, showing the following steps:

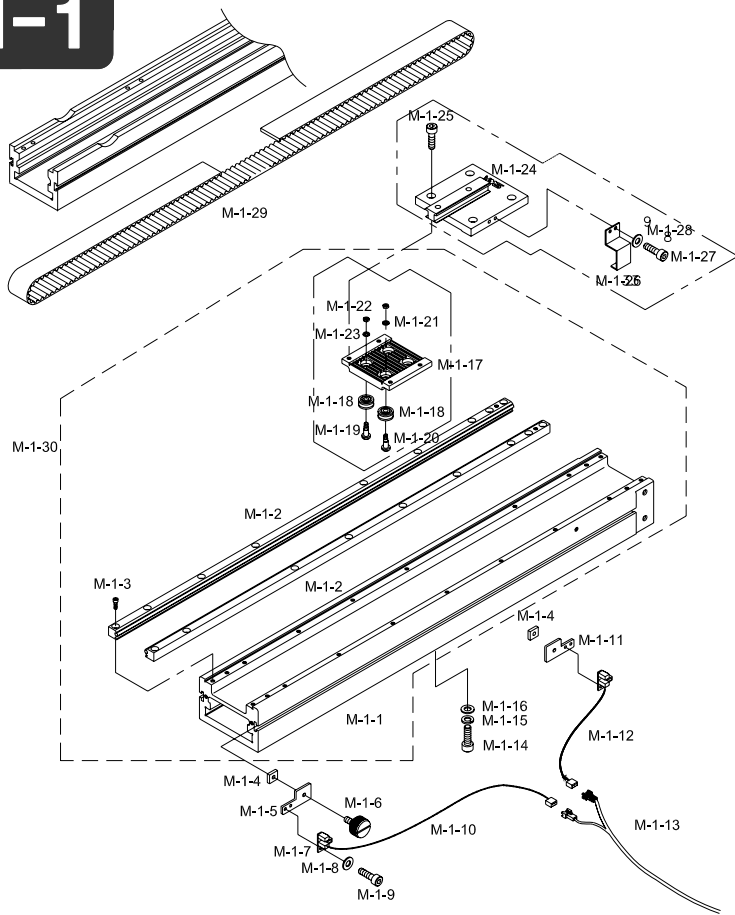
- Attach **L-3-11** to **L-3-10** using **L-3-12** and **L-3-13**.
- Attach **L-3-14** to **L-3-11** using **L-3-13**.
- Attach **L-1-27** to **L-3-10** using **L-3-8** and **L-3-9**.
- Attach **L-3-2** to **L-3-3** using **L-3-4** and **L-3-5**.
- Attach **L-3-6** to **L-3-3** using **L-3-4** and **L-3-5**.

Note

X-Axis Drive System



M-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-1-1	15010AD-D101	X Cam Roller Guide Frame				1	
M-1-2	15037AD-BD01	Cam Roller Guide Rail (L=464)				2	
M-1-3	PSC-AC000500	Cam Roller Guide Fixed Screw(M4*L16)				4	
M-1-4	15056PR-B001	Square Washer				2	
M-1-5	16078PR-W121	Sensor Bracket (L)				2	
M-1-6	DSC-FF001200	Position Adjusting Screw				2	
M-1-7	16062EL-T121	Sensor Set				2	
M-1-8	PSC-BD001100	Plus Screw (M3*L5)			O	4	
M-1-9	PWS-AA001900	Washer (@3)			O	4	
M-1-10	25047EL-E121	Cable (25-47)				1	
M-1-11	16079PR-W121	Sensor Bracket (R)				1	
M-1-12	25046EL-E121	Cable (25-46)				1	
M-1-13	CA-001821-00	Cable (25-45)	Jul.19.06 ~			1	
M-1-14	DSC-AC005000	Hex. Socket Bolt (M8*L45)			O	8	
M-1-15	PWS-CA002000	SPRING WASHER (@8)			O	8	
M-1-16	DWS-AA009900	Stud Bolt Washer(S) (@8)			O	8	
M-1-17	GP-030532-00	Belt Catcher Plate (B)	May.21.07 ~			1	
	GP-030532-01		Jan.18.11 ~				
	GP-030532-02		Feb.21.11 ~				
M-1-18	PBR-FK000100	Cam Roller Bearing				4	
M-1-19	DSC-GA000700	Cam Roller Stud (A)				2	
M-1-20	DSC-BF010700	Cam Roller Stud (B)				2	
M-1-21	PWS-CA000800	Spring Washer (5@)			O	2	
M-1-22	PWS-AA001000	Washer (4@)			O	2	
M-1-23	PWS-CA000900	Spring Washer (@4-No2)			O	2	
M-1-24	GP-015478-00	X-Asix Feed Plate	Feb,17,06 ~	X		2	
M-1-25	PSC-AC007100	Hex.Socket Bolt(M4*L10)			O	8	
M-1-26	GP-049198-00	Zero Point Sensor Plate (X)	Oct.03.23 ~			1	
M-1-27	PSC-AC0028000	Hex. Socket Bolt (M3*L8)			O	2	
M-1-28	PWS-CA002800	Spring Washer (@3-S)			O	2	
M-1-29	15047BT-D104	X-Driver Timing Belt (L1130)				2	
M-1-30	15012BM-D101	X Cam Roller Guide Plate Assy				2	

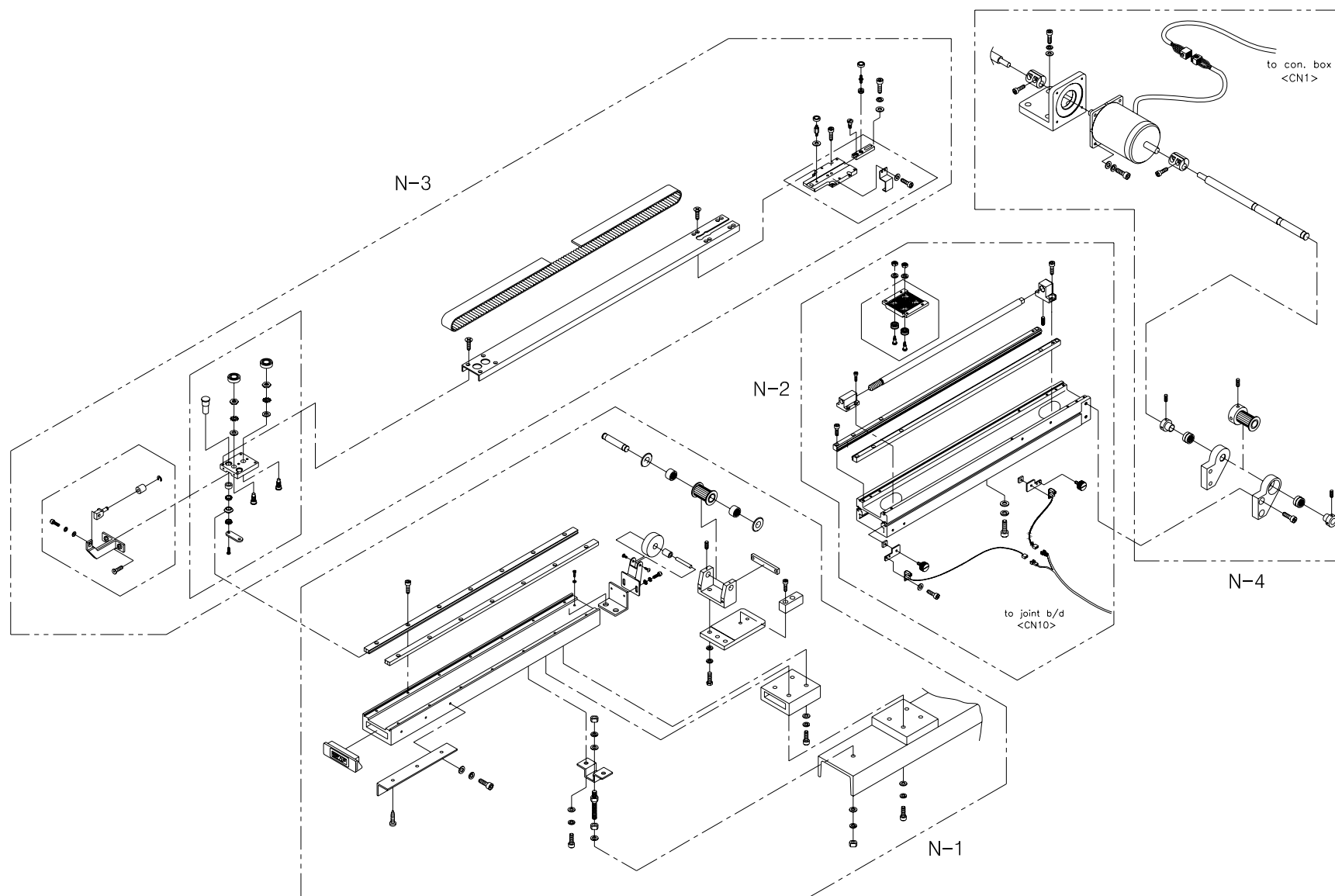
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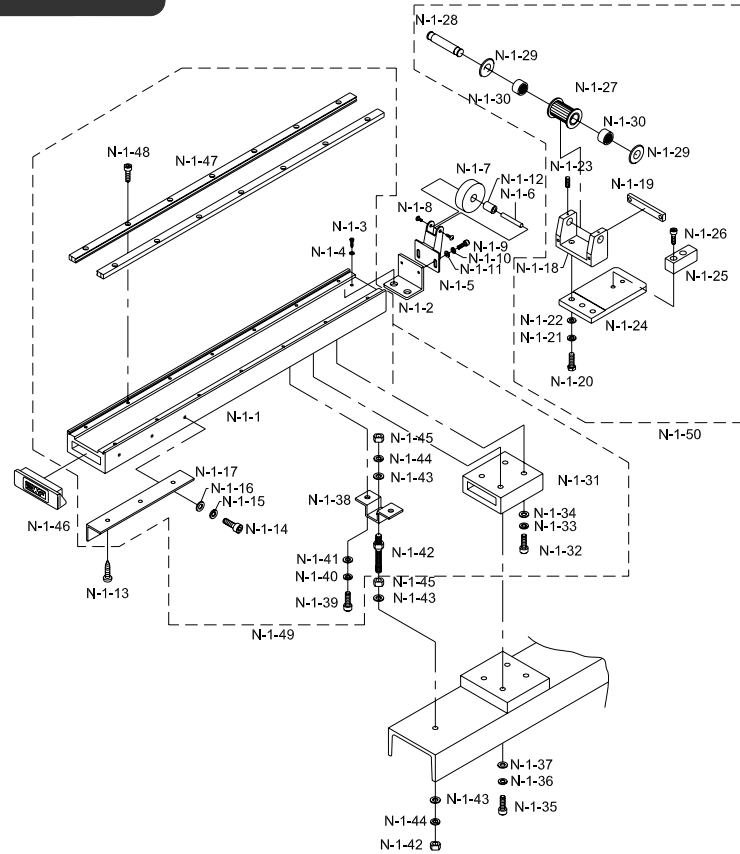
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Y-Axis Drive System



N-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
N-1-1	15090AD-B001	V-Rail Bracket				2	
N-1-2	LYF-BB000400	Support Bracket	Nov,10,05 ~	X		2	
N-1-3	PSC-AC013300	Hex.Socket Bolt(M8*L15)			O	4	
N-1-4	PWS-AA001700	Washer (@8)			O	4	
N-1-5	LYF-BB000500	Roller Bracket	May,03,06 ~	X		2	
N-1-6	DPN-AA020800	Roller Pin	Jan,12,05	X		2	
N-1-7	LYF-CL000100	Guide Roller	Jun,02,05 ~	X		2	
N-1-8	DSC-BH000300	Truss Screw(M3*L6)			O	4	
N-1-9	PSC-AC007100	Hex.Socket Bolt(M4*L10)			O	4	
N-1-10	PWS-CA000900	Spring Washer (@4)			O	4	
N-1-11	PWS-AA001000	Washer (@4)			O	4	
N-1-12	DBS-DA037300	Guide Roller Bushing	Jun,02,05 ~	X		4	
N-1-13	PSC-DA000100	Tapping Screw (M6*L25)			O	12	
N-1-14	PSC-AC003900	Hex/ Socket Bolt (M5*L15)			O	12	
N-1-15	PWS-CA000800	Spring Washer (5@)			O	12	
N-1-16	PWS-AA001500	Washer (@5)			O	12	
N-1-17	15093AD-B001	Table Support				8	
N-1-18	15026DC-A001	Timing Pulley Bracket (N)				2	
N-1-19	LXF-BJ000200	Tension Rivet Plate (W) W:48				2	
N-1-20	PSC-AA001300	Hex. Bolt (M6*L20)			O	6	
N-1-21	PWS-CA002700	Spring Washer (@6)			O	6	
N-1-22	PWS-AA001400	Washer (@6)			O	6	
N-1-23	PSC-CB000600	Hex. Socket Set Screw(M4*L5)			O	4	
N-1-24	CYF-BJ004502	Timing Pulley Tension Base(W)				2	
N-1-25	LYF-BK000200	Adjusting Shaft Stopper				2	
N-1-26	PSC-AC013100	Hex.Socket Set Screw(M8*L15)			O	4	
N-1-27	04500100E000	TIMMING PULLEY(16-S5M-32F)				2	
N-1-28	04104300B000	Timing Pulley Driving Pin "A"				2	
N-1-29	DWS-AA022800	Driving Pin Washer (Tw1225)				4	
N-1-30	PBR-BA002000	Needle Bearing (1210Zz)			O	2	
N-1-31	LYF-BK000300	Spacer				2	
N-1-32	14027SC-4113	Hex.Socket Bolt (M8*L30)			O	4	
N-1-33	PWS-CA002000	Spring Washer (@8)			O	4	
N-1-34	PWS-AA004700	Washer (@8-S)			O	4	
N-1-35	PSC-AC013100	Hex.Socket Set Screw(M8*L15)			O	4	
N-1-36	PWS-CA002000	Spring Washer (@8)			O	4	
N-1-37	PWS-AA004700	Washer (@8-S)			O	4	

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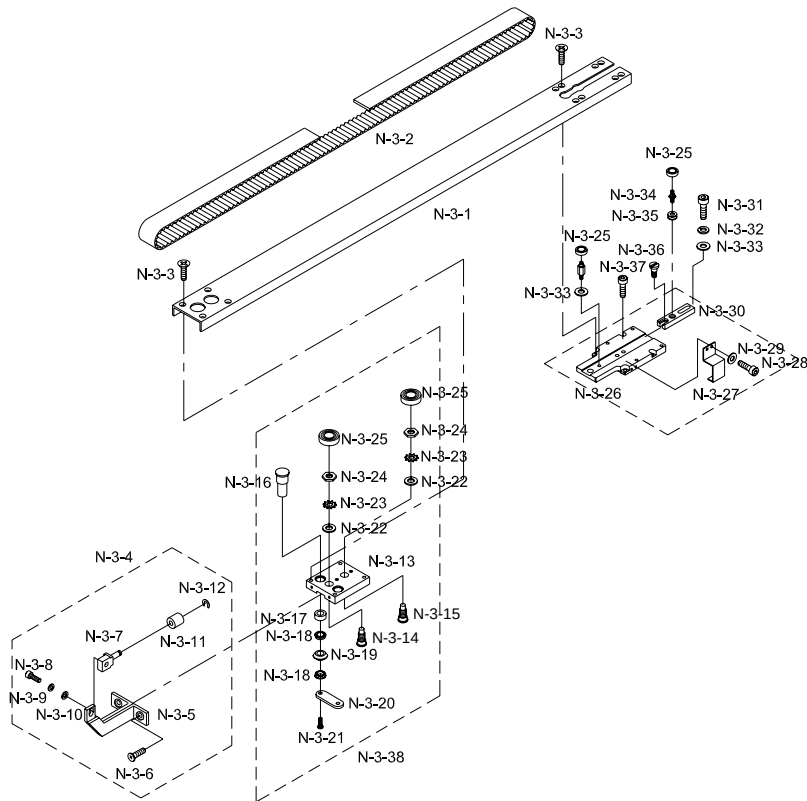
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N-3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
N-3-1	GP-021803-00	Connection Cover "C"	Sep,25,06 ~	X		2	
N-3-2	15051BT-A001	Y-Drive Timing Belt (W:35)				2	
N-3-3	PSC-BB003100	C.S Screw (M4*L6)			O	16	
N-3-4	15134BM-B001	Roller Bracket Ass'Y				2	
N-3-5	08000700B000	Bracket				2	
N-3-6	PSC-BB002100	Plus Screw (M4*L8)			O	4	
N-3-7	10507400B000	Roller Position Adjusting Pin				2	
N-3-8	PSC-AC004100	Hex. Socket Bolt (M4*L8)			O	2	
N-3-9	PWS-CA000900	Spring Washer (@4-No2)			O	2	
N-3-10	PWS-AA001000	Washer (4@)			O	2	
N-3-11	LYF-CL000300	Roller				2	
N-3-12	15159SR-4013	E-Ring (3@)			O	2	
N-3-13	08407100B000	Y-Axis Feed Plate "D"				2	
N-3-14	GP-015586-00	Rail Guide Pin "A"	Feb.20.06 ~			2	
	GP-015586-01		Jan.13.09 ~				
N-3-15	GP-015587-00	Rail Guide Pin "B"	Feb.20.06 ~			2	
	GP-015587-01		Jan.13.09 ~				
N-3-16	ST-000030-00	Rail Guide Pin "C"	Jan.13.09 ~			4	
N-3-17	15092CW-A031	Stopper Washer				4	
N-3-18	15106BR-A001	Flange Bearing (1280Zz)			O	8	
N-3-19	15130AF-A001	Roller Guide				4	
N-3-20	15137PR-A001	Rail Guide Shaft Bracket				2	
N-3-21	05028SC-A001	Holder Screw				4	
N-3-22	PWS-AA001700	Washer (8@-S)			O	4	
N-3-23	PWS-BB000100	Toothed Lock Washer (@8)			O	4	
N-3-24	DSN-AA005000	Rail Guide Shaft Nut				4	
N-3-25	PBR-AA011800	Ball Bearing (Lr606Nppu)			O	8	
N-3-26	GP-019795-00	Bearing Block (C)	Jul,28,06 ~	X		2	
N-3-27	GP-049198-00	Zero Point Sensor Plate				1	
N-3-28	PSC-AC007500	Bracket Screw (M3*L6)			O	2	
N-3-29	PWS-AA001900	Washer (@3)			O	2	
N-3-30	LYF-BK000700	ADJUSTING BLOCK FOR BEARING	Dec,18,04 ~	X		2	
N-3-31	PSC-AC004500	Hex. Socket Screw (M5*L10)			O	4	
N-3-32	PWS-CA000800	Spring Washer (@5)			O	4	
N-3-33	DWS-AA002300	Washer @5	Dec,20,04 ~	X		4	
N-3-34	15098CW-A001	Rail Guide Pin "B"				2	
N-3-35	LYF-CL000200	Frame 'E' Roller				2	
N-3-36	DSC-FA025300	Stopper Stud				2	

This exploded view diagram illustrates the assembly of the N-3 system. The components are labeled as follows:

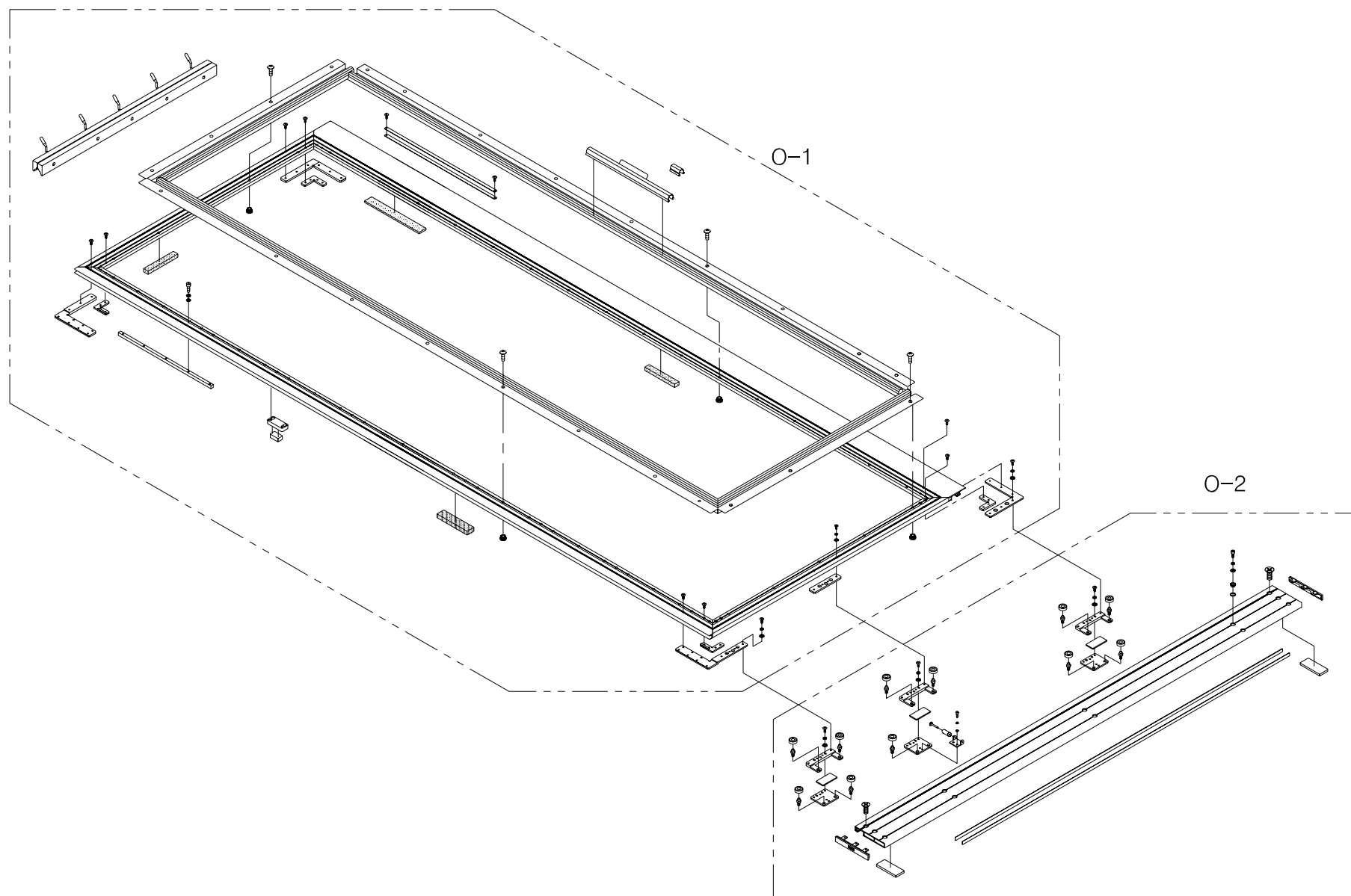
- N-3-1**: Main horizontal support rail.
- N-3-2**: Longitudinal guide rail.
- N-3-3**: Mounting pin for the main rail.
- N-3-4**: Small bracket component.
- N-3-5**: Mounting plate for the bracket.
- N-3-6**: Small screw.
- N-3-7**: Mounting plate for the bracket.
- N-3-8**: Small screw.
- N-3-9**: Small screw.
- N-3-10**: Mounting plate for the bracket.
- N-3-11**: Cable or wire.
- N-3-12**: Cable or wire.
- N-3-13**: Mounting plate for the bracket.
- N-3-14**: Small screw.
- N-3-15**: Small screw.
- N-3-16**: Small screw.
- N-3-17**: Small screw.
- N-3-18**: Small screw.
- N-3-19**: Small screw.
- N-3-20**: Small screw.
- N-3-21**: Small screw.
- N-3-22**: Small screw.
- N-3-23**: Small screw.
- N-3-24**: Small screw.
- N-3-25**: Small screw.
- N-3-26**: Mounting plate for the bracket.
- N-3-27**: Mounting plate for the bracket.
- N-3-28**: Small screw.
- N-3-29**: Small screw.
- N-3-30**: Mounting plate for the bracket.
- N-3-31**: Small screw.
- N-3-32**: Small screw.
- N-3-33**: Small screw.
- N-3-34**: Small screw.
- N-3-35**: Small screw.
- N-3-36**: Small screw.
- N-3-37**: Small screw.
- N-3-38**: Mounting plate for the bracket.

N

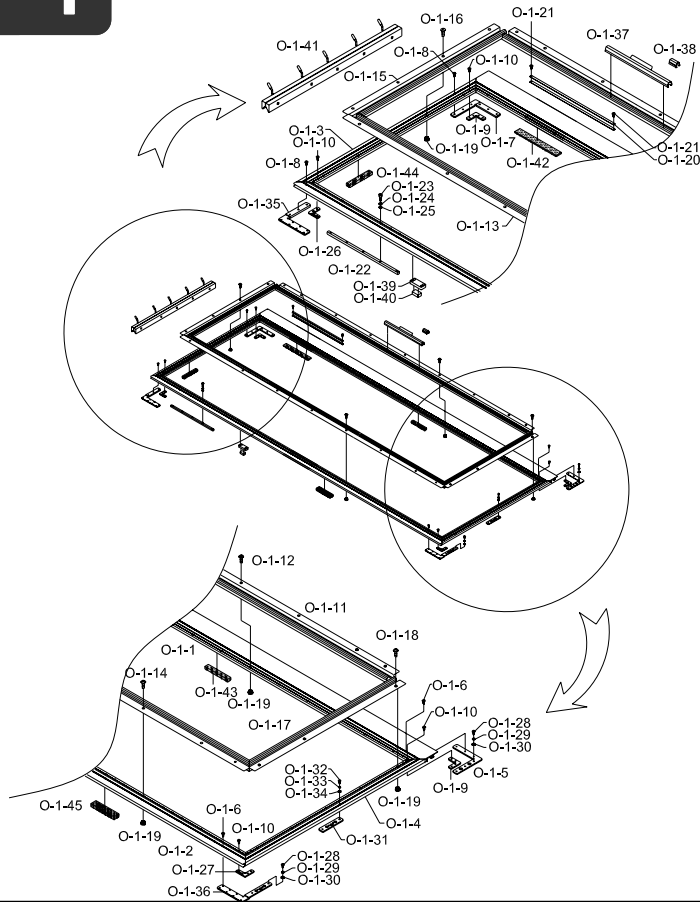
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Frame



O-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
O-1-1	GP-018280-00	Frame (A) [L=6276]	Jun,13,06 ~	X		1	
O-1-2	GP-018281-00	Frame (B) [L=6276]	Jun,13,06 ~	X		1	
O-1-3	105009001004	Frame (D) [L=939]				1	
O-1-4	GP-037798-00	Frame (G) [L=939]	Mar,26,08 ~	X		1	
O-1-5	GP-030400-00	Corner Guide (A)	May,16,07 ~	X		2	
	GP-030400-01		Mar,26,08 ~	△			
O-1-6	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	12	
O-1-7	GP-037803-00	Corner Guide (B)	Mar,26,08 ~	X		2	
O-1-8	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	12	
O-1-9	GP-037737-00	Corner Guide (C)	Mar,24,08 ~	X		4	
O-1-10	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	16	
O-1-11	GP-018282-00	Frame (C-1) [L=6121]	Jun,13,06 ~	X		1	
O-1-12	SC-001903-00	Truss Screw (M4*L8)			O	9	
O-1-13	GP-018283-00	Frame (C-2) [L=6176]	Jun,13,06 ~	X		1	
O-1-14	SC-001903-00	Truss Screw (M4*L8)			O	16	
O-1-15	105016101004	Frame (C-3) [L=838.5]				1	
O-1-16	SC-001903-00	Truss Screw (M4*L8)			O	5	
O-1-17	105017101004	Frame (C-4) [L=838.5]				1	
O-1-18	SC-001903-00	Truss Screw (M4*L8)			O	5	
O-1-19	GP-010409-00	Bushing Nut(C)	Jul,04,05 ~	X		88	
O-1-20	10501800ID00	Frame Guide Rail Plate A [L=439]				8	
O-1-21	18014SC-7113	Truss Screw (M4*L9)			O	16	
O-1-22	18050AF-A001	X-Axis Guide Rail				2	
O-1-23	PSC-AC011900	Hex.Socket Bolt(M4*L10)			O	10	
O-1-24	PWS-CA000900	Spring Washer(@4)			O	10	
O-1-25	PWS-AA001000	Washer(@4)			O	10	
O-1-26	GP-009113-00	Left Corner Guide(EL)	May,10,05 ~	X		1	
O-1-27	GP-009114-00	Left Corner Guide(ER)	May,10,05 ~	X		1	
O-1-28	PSC-AC004900	Hex.Socket Bolt(M4*L12)			O	8	
O-1-29	PWS-CA000900	Spring Washer (@4-No2)			O	8	
O-1-30	PWS-AA001000	Washer (4@)			O	8	
O-1-31	GP-037813-00	Fixing Block (C) for Bearing	Mar,27,08 ~	X		1	
O-1-32	SC-000334-00	SCREW M4*L15	May,19,05 ~	X	O	4	
O-1-33	PWS-CA000900	Spring Washer (@4-No2)			O	4	
O-1-34	PWS-AA001000	Washer (4@)			O	4	
O-1-35	GP-009111-00	Corner Guide(DL)	May,10,05 ~	X		1	
	GP-009111-01		Jun,05,08 ~	△			

O-1

This diagram illustrates the assembly of the O-1 unit, showing the relationship between various components and their assembly sequence. The components are labeled with part numbers and arrows indicate the direction of assembly.

Top View (Exploded View):

- Components shown: O-1-41, O-1-16, O-1-21, O-1-37, O-1-38, O-1-10, O-1-9, O-1-19, O-1-7, O-1-21, O-1-20, O-1-13, O-1-42, O-1-23, O-1-24, O-1-25, O-1-44, O-1-35, O-1-26, O-1-22, O-1-39, O-1-40.

Bottom View (Exploded View):

- Components shown: O-1-12, O-1-11, O-1-18, O-1-1, O-1-14, O-1-43, O-1-19, O-1-17, O-1-10, O-1-6, O-1-18, O-1-10, O-1-28, O-1-29, O-1-30, O-1-5, O-1-9, O-1-19, O-1-14, O-1-31, O-1-28, O-1-29, O-1-30, O-1-32, O-1-33, O-1-34, O-1-19, O-1-10, O-1-2, O-1-27, O-1-36, O-1-45.

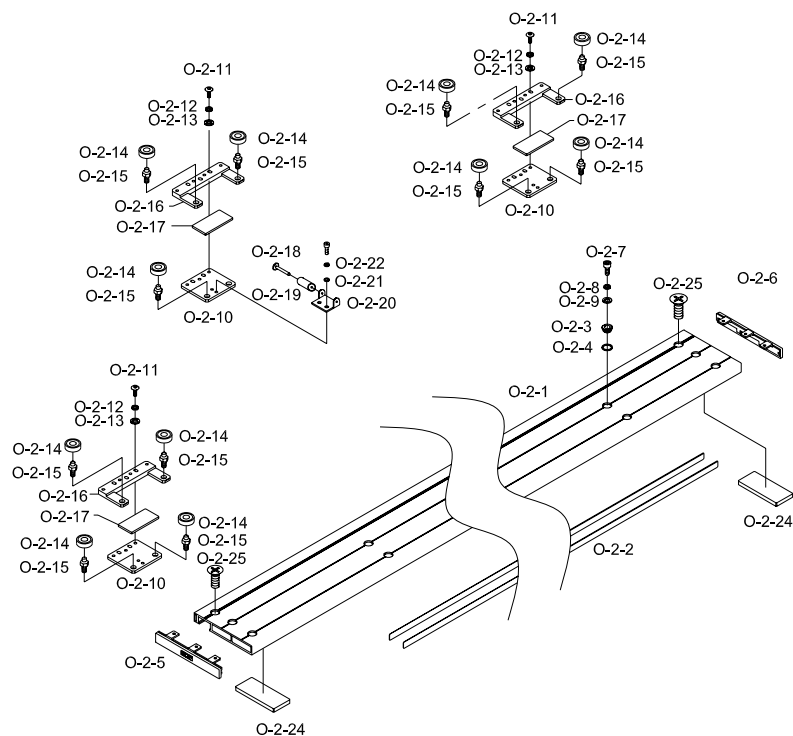
Assembly Sequence:

1. Assemble the base frame (O-1-1, O-1-14, O-1-17, O-1-18, O-1-19, O-1-20, O-1-21, O-1-22, O-1-23, O-1-24, O-1-25, O-1-26, O-1-27, O-1-28, O-1-29, O-1-30, O-1-31, O-1-32, O-1-33, O-1-34, O-1-35, O-1-36, O-1-37, O-1-38, O-1-39, O-1-40, O-1-41, O-1-42, O-1-43, O-1-44, O-1-45).
2. Assemble the top frame (O-1-1, O-1-14, O-1-17, O-1-18, O-1-19, O-1-20, O-1-21, O-1-22, O-1-23, O-1-24, O-1-25, O-1-26, O-1-27, O-1-28, O-1-29, O-1-30, O-1-31, O-1-32, O-1-33, O-1-34, O-1-35, O-1-36, O-1-37, O-1-38, O-1-39, O-1-40, O-1-41, O-1-42, O-1-43, O-1-44, O-1-45).
3. Assemble the side frame (O-1-1, O-1-14, O-1-17, O-1-18, O-1-19, O-1-20, O-1-21, O-1-22, O-1-23, O-1-24, O-1-25, O-1-26, O-1-27, O-1-28, O-1-29, O-1-30, O-1-31, O-1-32, O-1-33, O-1-34, O-1-35, O-1-36, O-1-37, O-1-38, O-1-39, O-1-40, O-1-41, O-1-42, O-1-43, O-1-44, O-1-45).
4. Assemble the top cover (O-1-1, O-1-14, O-1-17, O-1-18, O-1-19, O-1-20, O-1-21, O-1-22, O-1-23, O-1-24, O-1-25, O-1-26, O-1-27, O-1-28, O-1-29, O-1-30, O-1-31, O-1-32, O-1-33, O-1-34, O-1-35, O-1-36, O-1-37, O-1-38, O-1-39, O-1-40, O-1-41, O-1-42, O-1-43, O-1-44, O-1-45).

Note



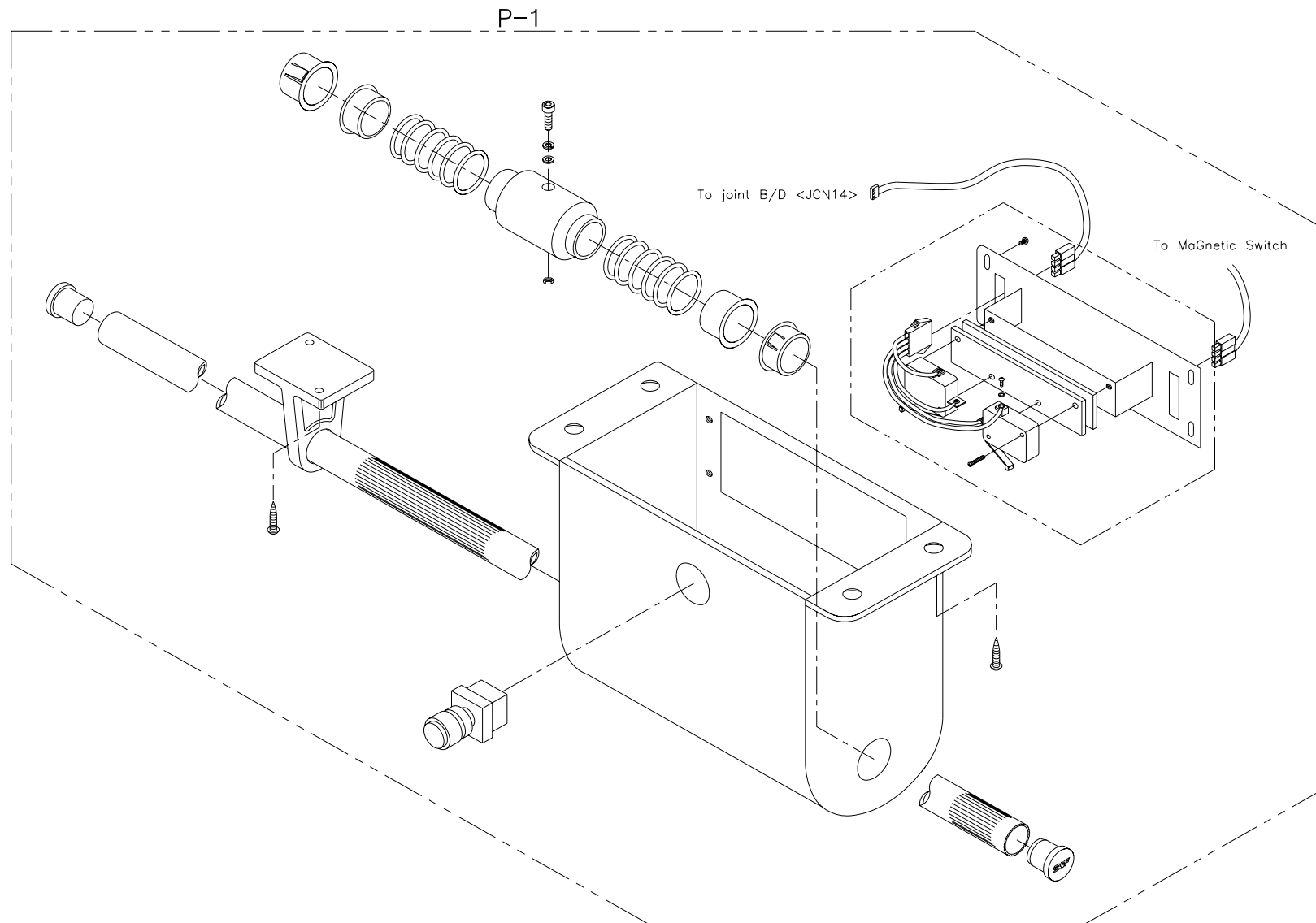
O-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
O-2-1	GP-018284-00	Frame E [L=1659]	Jun,13,06 ~	X		1	
O-2-2	10000600I004	Frame Guide Rail Plate				2	
O-2-3	10000700I000	Insert Bushing				6	
O-2-4	10000800I000	Insert Bushing Washer				6	
O-2-5	AS-001418-00	FRAME E ENDCAP(A)SET	Oct,26,04 ~	X		1	
	AS-001418-01		Apr,01,05 ~	△			
	AS-001418-02		Feb,20,07 ~	△			
	AS-001418-03		May,23,07 ~	△			
O-2-6	AS-001419-00	FRAME E ENDCAP B SET	Oct,26,04 ~	X		1	
	AS-001419-01		Apr,01,05 ~	△			
	AS-001419-02		Feb,20,07 ~	△			
	AS-001419-03		May,23,07 ~	△			
O-2-7	18014SC-7113	Truss Screw (M4*L9)			O	6	
O-2-8	PWS-CA001000	Spring Washer (@6)			O	6	
O-2-9	PWS-AA001400	Washer (@6)			O	6	
O-2-10	GP-007190-00	BEARING CONNECTING BLOCK B	Jan,20,05 ~	X		3	
	GP-007190-01		Apr,07,05 ~	△			
	GP-007190-02		May,26,08 ~	△			
O-2-11	PSC-AC004100	Hex.Socket Bolt(M4*L8)			O	9	
O-2-12	PWS-CA000900	Spring Washer (@4-No2)			O	9	
O-2-13	PWS-AA001000	Washer (4@)			O	9	
O-2-14	PBR-AA011800	Ball Bearing (LR606NPPU)				12	
O-2-15	18062CW-A021	Rail Guide Pin (B)				12	
O-2-16	GP-037776-00	Fixing Block (A) for Bearing	Mar,25,08 ~	X		3	
	GP-037776-01		Apr,14,08 ~	△			
	GP-037776-02		May,26,08 ~	△			
O-2-17	GP-006546-00	FELT W	Dec,21,04 ~	X		3	
O-2-18	10510800B000	ROLLER PIN				3	
O-2-19	LYF-CL000300	ROLLER				3	
O-2-20	18106PR-B001	ROLLER BRACKET				3	
O-2-21	PWS-AA001000	WASHER (4@)			O	6	
O-2-22	PWS-CA000900	SPRING WASHER (@4-NO2)			O	6	
O-2-23	PSC-AC004100	HEX.SOCKET BOLT (M4*L8)			O	6	
O-2-24	GP-006545-00	FELT V	Dec,21,04 ~	X		2	
	GP-006545-01		Dec.15.10 ~	△			
O-2-25	10011SC-8119	PLUS SCREW (M3*L6)			O	6	

Bar Switch

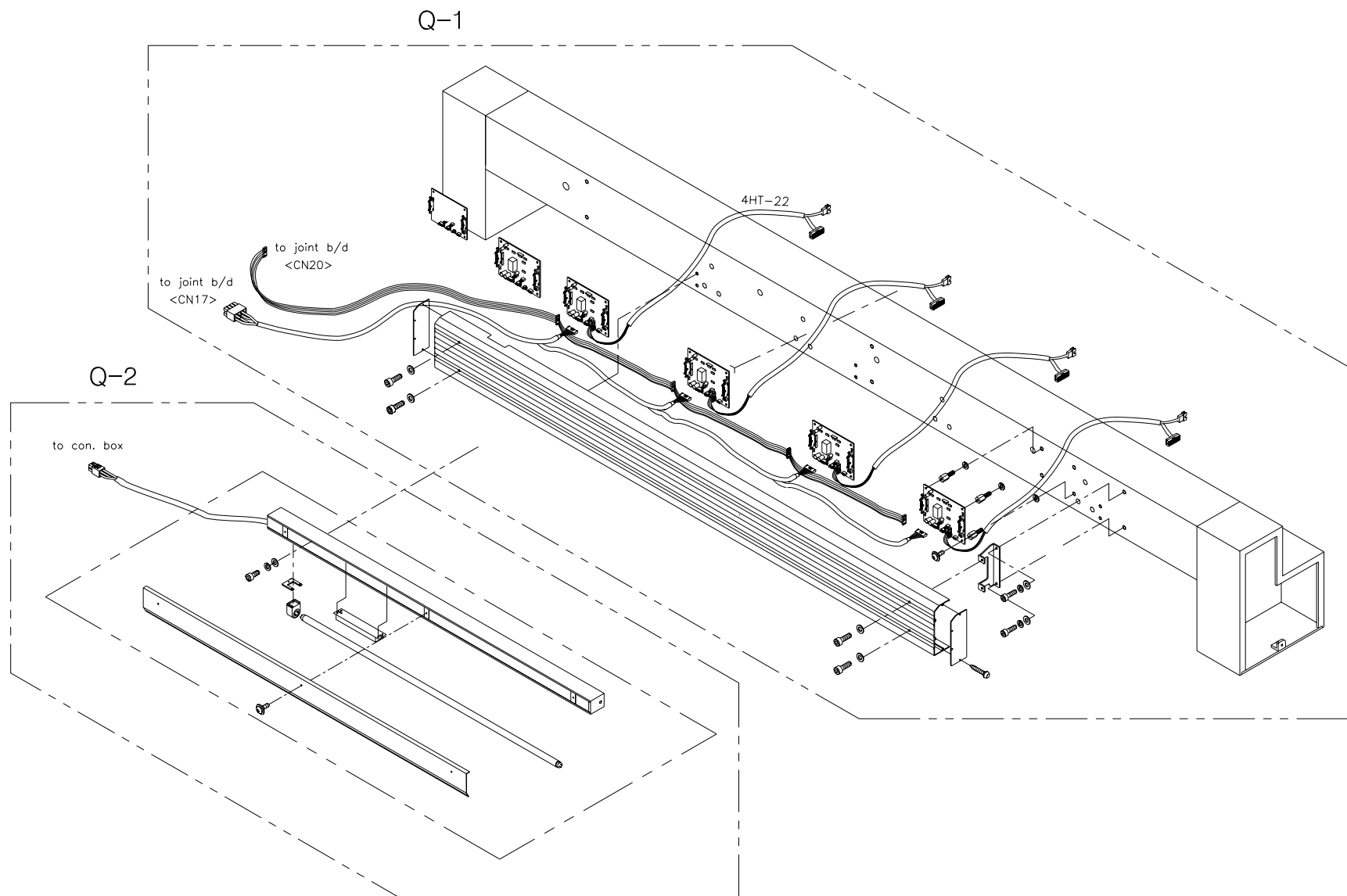


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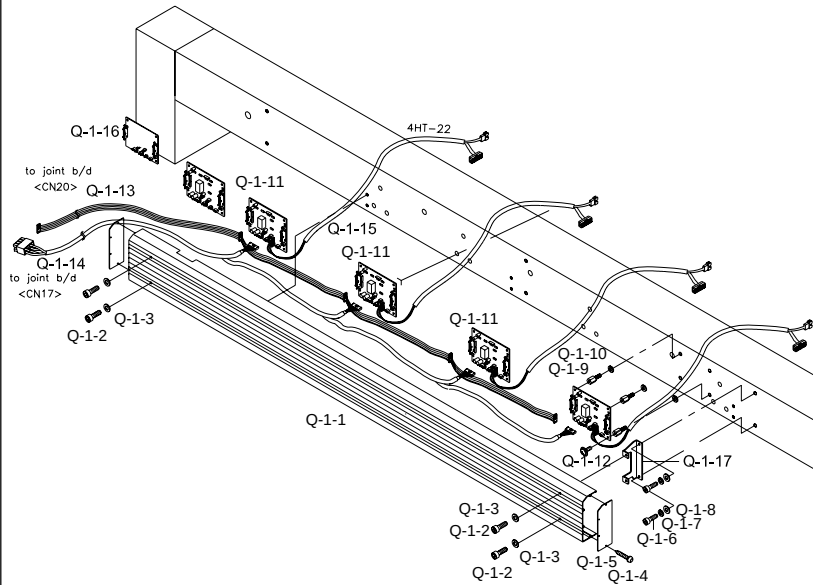
Note

P

Sub Control Unit & Lamp Unit



Q-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q-1-1	GP-043307-00	Cable Cover	Aug.20.08 ~			1	
	GP-043307-01		Aug.24.09 ~				
Q-1-2	PSC-AC004500	Hex. Socket Screw(M5*L10)			O	4	
Q-1-3	PWS-AA001500	Washer (@5)			O	4	
Q-1-4	02065SC-3328	Tapping Screw (M3*L10)			O	8	
Q-1-5	GP-038306-00	CABLE COVER PLATE	Apr.30.08 ~			2	
	GP-038306-01		Jul.02.09 ~				
Q-1-6	PSC-AC018600	Hex. Socket Bolt (M5*L12)			O	4	
Q-1-7	PWS-CA000800	Spring Washer (@5)			O	4	
Q-1-8	PWS-AA004600	Washer (@5)			O	4	
Q-1-9	11049SC-A001	Board Stud Bolt				16	
Q-1-10	PWS-CA000800	Spring Washer (@5)			O	16	
Q-1-11	BD-000222-00	Thread Sensing Board	Aug.06.05 ~			1	
	BD-000222-01		Aug.20.05 ~				
	BD-000222-02		Nov.19.05 ~				
	BD-000222-03		Apr.06.06 ~				
	BD-000222-04		Sep.02.06 ~				
	BD-000222-05		Jul.24.07 ~				
	BD-000222-06		Sep.10.07 ~				
	BD-000222-07		Nov.06.07 ~				
	BD-000222-08		Dwc.21.07 ~				
	BD-000222-09		Jul.30.08 ~				
	BD-000222-10		Dec.12.08 ~				
	BD-000222-11		Sep.21.09 ~				
	BD-000222-12		May.12.10 ~				
	BD-000222-13		Aug.18.10 ~				
	BD-000222-14		Jul.18.11 ~				
Q-1-12	18154SC-9134	PLUS SCREW (M3*L8)			O	16	
Q-1-13	02205500ED40	Cable				1	
Q-1-14	CA-005812-00	Cable	Sep.14.11 ~			1	
Q-1-15	25022EL-UK01	To Adjusting Plate (4Ht-22)				4	
Q-1-16	BD-000310-00	Color Change Board	Dec,05,05 ~			1	
	BD-000310-01		Apr,26,06 ~				
	BD-000310-02		Jun,19,06 ~				
	BD-000310-03		Jul,25,06 ~				
	BD-000310-04		Aug,28,06 ~				
	BD-000310-05		Sep,25,06 ~				

Q

This exploded view diagram illustrates the assembly of the Q-1-1 cable assembly. The components are labeled as follows:

- Q-1-1**: The main cable assembly, shown as a long, flexible cable with multiple conductors.
- Q-1-2**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-3**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-4**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-5**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-6**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-7**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-8**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-9**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-10**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-11**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-12**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-13**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-14**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-15**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-16**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- Q-1-17**: A small electronic component, likely a diode or transistor, shown in multiple locations.
- 4HT-22**: A small electronic component, likely a diode or transistor, shown in multiple locations.

The diagram also includes labels for joints and connectors:

- to joint b/d <CN20>**: A label indicating a connection point for the cable assembly.
- to joint b/d <CN17>**: A label indicating a connection point for the cable assembly.
- 4HT-22**: A label indicating a connection point for the cable assembly.

Note

[illegible]

Q-2

to con. box

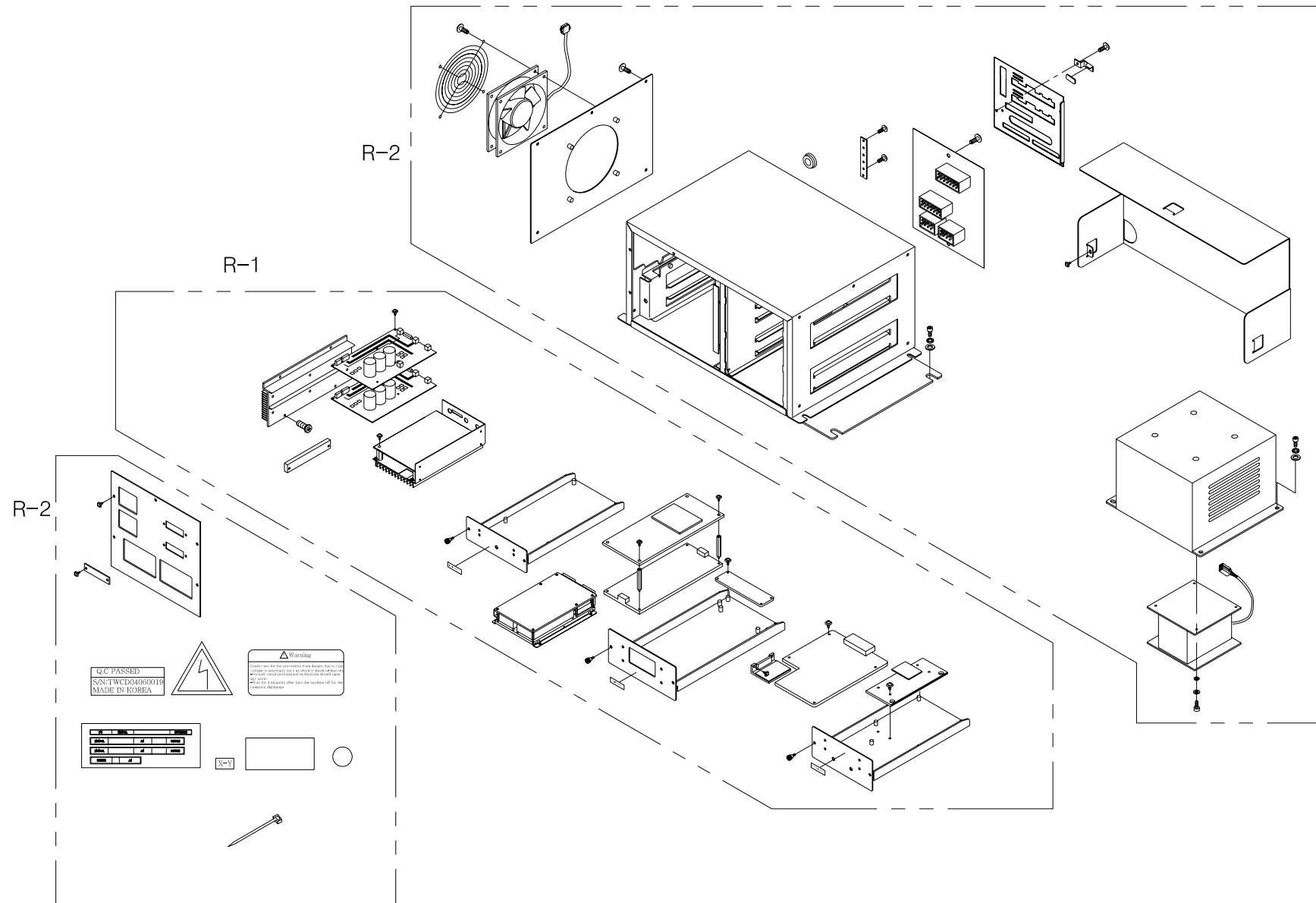
This diagram illustrates the exploded view of the Q-2 lighting fixture assembly. The components are labeled as follows:

- Q-2-1**: A cable with a connector, labeled "to con. box".
- Q-2-2**: The main rectangular housing of the fixture.
- Q-2-3**: A screw used for mounting.
- Q-2-4**: A screw used for mounting.
- Q-2-5**: A screw used for mounting.
- Q-2-6**: A long, thin mounting bracket or arm.
- Q-2-7**: A screw used for mounting.
- Q-2-8**: A small rectangular component, likely a switch or sensor.
- Q-2-9**: A small rectangular component, likely a switch or sensor.
- Q-2-10**: A long, thin mounting bracket or arm.
- Q-2-12**: A small rectangular component, likely a switch or sensor.

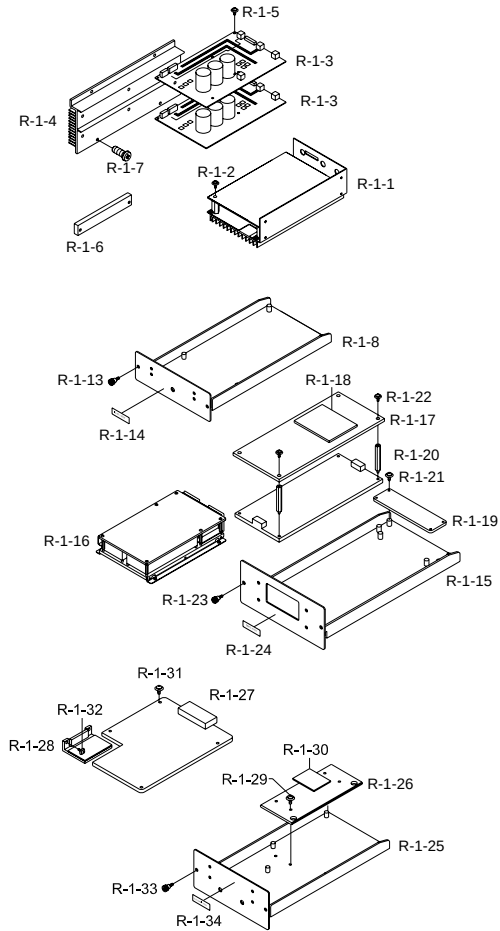
Note

Q

Main Controller



R-1

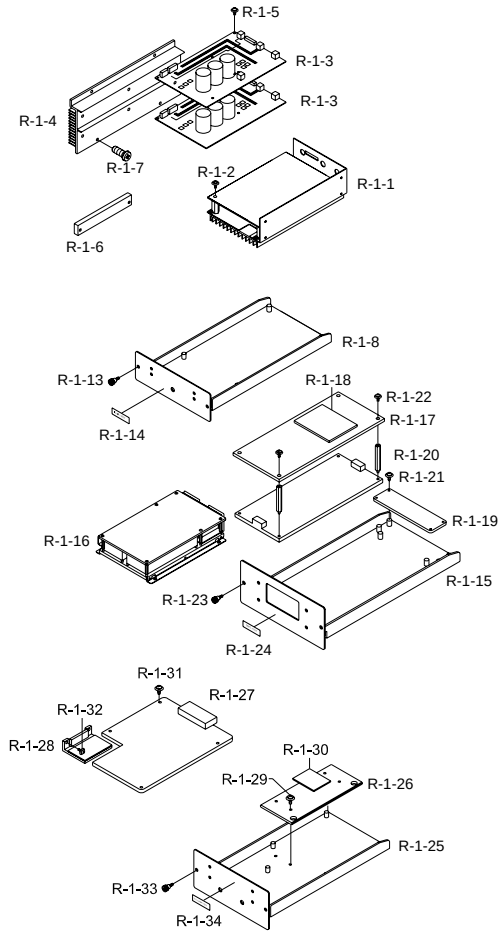


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R-1-1	BD-000311-00	Main Drive (ASSY) (for 220V)	Dec,06,05 ~	X		1	
	BD-000311-01		Feb,24,06 ~	△			
	BD-000311-02		May,09,06 ~	△			
	BD-000311-03		Nov,30,06 ~	△			
	BD-000311-04		Dec,20,06 ~	△			
	BD-000311-05		Aug,20,07 ~	△			
	BD-000311-06		Mar,11,08 ~	△			
	BD-000312-00	Main Drive (ASSY) (for 110V)	Dec,06,05 ~	X		1	
	BD-000312-01		Feb,23,06 ~	△			
	BD-000312-02		May,09,06 ~	△			
	BD-000312-03		Nov,30,06 ~	△			
	BD-000312-04		Dec,20,06 ~	△			
	BD-000312-05		Aug,20,07 ~	△			
	BD-000312-06		Mar,11,08 ~	△			
R-1-2	07-004S-SM5S	Main Drive Assy Screw (set)				2	
R-1-3	BD-000044-00	X-Y Driver Board(for 220V)	Jun,24,04 ~	X		2	
	BD-000044-01		Jul,25,06 ~	△			
	BD-000044-02		Aug,31,06 ~	△			
	BD-000044-03		Mar,15,07 ~	△			
	BD-000044-04		Jun,18,09 ~	△			
	BD-000044-05		Nov.09.09 ~	△			
	BD-000044-06		May.17.10 ~	△			
	BD-000044-07		Dec.21.10 ~	△			
	BD-000044-08		Jun.09.11 ~	△			
	BD-000146-00	X-Y Driver Board(for 110V)	Oct,08,04 ~	X		2	
	BD-000146-01		Jul,25,06 ~	△			
	BD-000146-02		Aug,31,06 ~	△			
	BD-000146-03		Mar,15,07 ~	△			
	BD-000146-04		Jun,18,09 ~	△			
	BD-000146-05		Nov.06.06 ~	△			
	BD-000146-06		May.17.10 ~	△			
	BD-000146-07		Dec.21.10 ~	△			
	BD-000146-08		Jun.09.11 ~	△			
R-1-4	GP-015921-00	Driver Radiator	Feb,28,06 ~	X		1	
R-1-5	05008AF-4113	X-Y Driver Board Screw (set)			O	6	
R-1-6	05-002S-SW70	PCB Guide (TRCG-3300)				4	
R-1-7	07-004S-SM5S	Driver Radiator Screw(set)			O	4	

Q

R-1

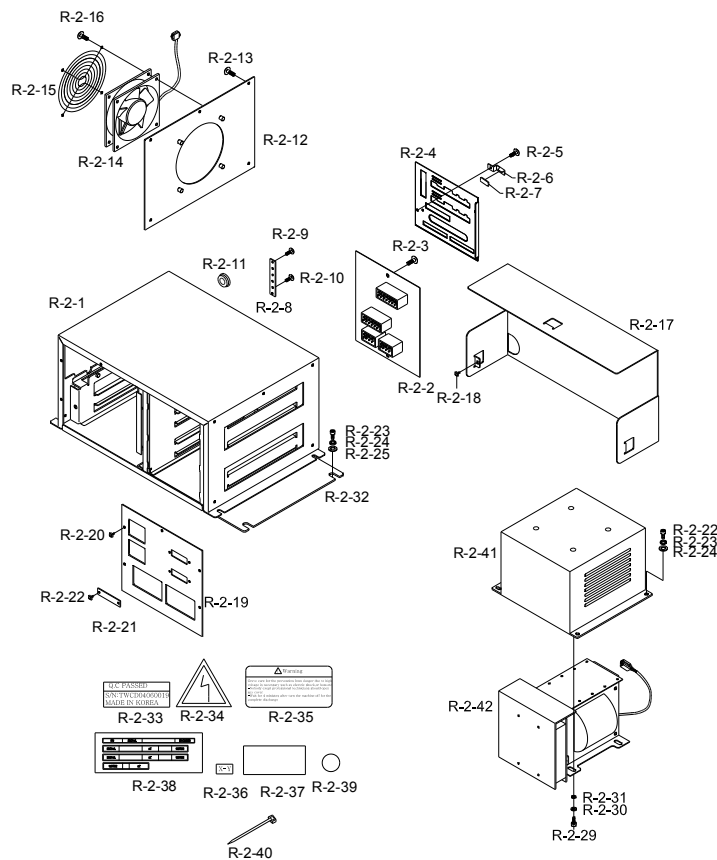


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R-1-8	GP-016008-00	IO MC Bracket	Mar,02,06 ~	X		1	
	GP-016008-01		Jun,19,06 ~	△			
R-1-13	SC-000406-00	IO MC Bracket Screw (캠티브)	Aug,18,05 ~	X		2	
R-1-14	GP-014549-00	IO MC Sticker	Jan,16,06 ~	X		1	
R-1-15	GP-016009-00	SMPS Bracket	Mar,02,06 ~	X		1	
R-1-16	EP-000029-00	SMPS	Jul,15,05 ~	X		1	
R-1-17	GP-015653-00	SMPS Radiator	Feb,22,06 ~	X		1	
R-1-18	GP-012118-00	SMPS Radiator Sheet	Sep,22,05 ~	X		1	
R-1-19	BD-000392-00	UNIT Board	Mar,02,06 ~	X		1	
	BD-000392-01		Jun,15,06 ~	△			
	BD-000392-02		Sep,01,06 ~	△			
	BD-000392-03		Sep,10,08 ~	△			
R-1-20	GP-010543-00	SMPS Fixing Stud	Jul,08,05 ~	X		4	
	GP-010543-01		Sep,24,05 ~	△			
R-1-21	10-028S-SC53	UNIT Board Screw(set)			O	4	
R-1-22	07-005S-SM5S	SMPS Radiator Screw(set)			O	4	
R-1-23	SC-000406-00	SMPS Bracket Screw (캠티브)	Aug,18,05 ~	X		2	
R-1-24	GP-014550-00	SMPS Sticker	Jan,16,06 ~	X		1	
R-1-25	GP-016007-00	DDC Bracket	Mar,02,06 ~	X		1	
	GP-016007-01		Jun,19,06 ~	△			
R-1-26	GP-017703-00	DDC Radiator	May,15,06 ~	X		1	
	GP-017703-01		Jun,19,06 ~	△			
R-1-27	BD-000803-00	DDC Board	Oct.06.08 ~	X		1	
	BD-000803-01		Apr.14.10 ~	△			
	BD-000803-02		Aug.19.10 ~	△			
	BD-000803-03		Jul.15.11 ~	△			
R-1-28	EP-000149-00	Wiper Motor Driver				1	
R-1-29	10-028S-SC53	DDC Radiator Screw(set)			O	4	
R-1-30	GP-015654-00	DDC Radiator Sheet	Feb,22,06 ~	X		1	
R-1-31	10-028S-SC53	DDC Board Screw(set)			O	4	
R-1-32	10-028S-SC53	Wiper Motor Drive Screw(set)			O	2	
R-1-33	SC-000406-00	DDC Bracket Screw (캠티브)	Aug,18,05 ~	X		2	
R-1-34	GP-014548-00	DDC Sticker	Jan,16,06 ~	X		1	

Q

R-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R-2-1	GP-016016-00	Control Box	Mar,02,06 ~	X		1	
	GP-016016-01		Jun,23,06 ~	△			
	GP-016016-02		Sep,01,06 ~	△			
	GP-016016-03		Feb,02,07 ~	△			
	GP-016016-04		May,11,07 ~	△			
R-2-2	BD-000804-00	Back plane Board	Oct,06,08 ~	X		1	
	BD-000804-01		Nov,09,09 ~	△			
R-2-3	07-004S-SM5S	Back plane Board Screw (Set) (M4xL10)			O	1	
R-2-4	GP-016016-00	Connector PCB Cover	Mar,02,06 ~	X		1	
	GP-016016-01		Jun,23,06 ~	△			
	GP-016016-02		Sep,01,06 ~	△			
	GP-016016-03		Feb,02,07 ~	△			
	GP-016016-04		May,11,07 ~	△			
R-2-5	07-004S-SM5S	Connector PCB Cover Screw (set) (M4xL10)			O	4	
R-2-6	GP-029677-00	Encoder Fixed Bracket	Apr,30,07 ~	X		1	
R-2-7	GP-030369-00	Sponge	May,15,07 ~	X		1	
R-2-8	10-005A-DU33	Earth Plate				1	
R-2-9	07-004S-SM5S	Earth Plate Screw(set) (M4xL10)			O	2	
R-2-10	01-037S-2070	Earth Screw (M4xL8)			O	4	
R-2-11	09-025R-SC53	Rubber Din Cap				1	
R-2-12	GP-016015-00	Side Cover	Mar,02,06 ~	X		1	
R-2-13	PSC-BH000300	Side Cover Screw (M4xL8)			O	5	
R-2-14	01-002A-AT01	COOLING FAN				1	
R-2-15	01-002B-AU12	FAN Cover				1	
R-2-16	PSC-BA000200	FAN Screw (M4xL35)			O	4	
R-2-17	GP-016014-00	Harness Cover	Mar,02,06 ~	X		1	
R-2-18	07-004S-SM5S	Harness Cover Screw(set)			O	3	
R-2-19	GP-016011-00	Front Cover (L)	Mar,02,06 ~	X		1	
R-2-20	PSC-BH000300	Front Cover(L) Screw (M4xL8)			O	5	
R-2-21	02-001B-SW67	Switch Cover				2	
R-2-22	PSC-BH002200	Switch Cover Screw(set) (M3xL8)			O	4	
R-2-23	PSC-AC005800	Hex.Socket Screw (M6xL15)			O	8	
R-2-24	PWS-CA002700	Spring Washer (@6)			O	8	
R-2-25	08057SW-A001	Control Box Washer (@6)			O	8	
R-2-29	PSC-AC018600	Hex. Socket Bolt (M5*L12)			O	4	
R-2-30	PWS-CA000800	Spring Washer (5@)			O	4	
R-2-31	PWS-AA001500	Washer (@5)			O	4	

R-2

The diagram illustrates the assembly of the R-2 server chassis. Key components and their assembly points are labeled as follows:

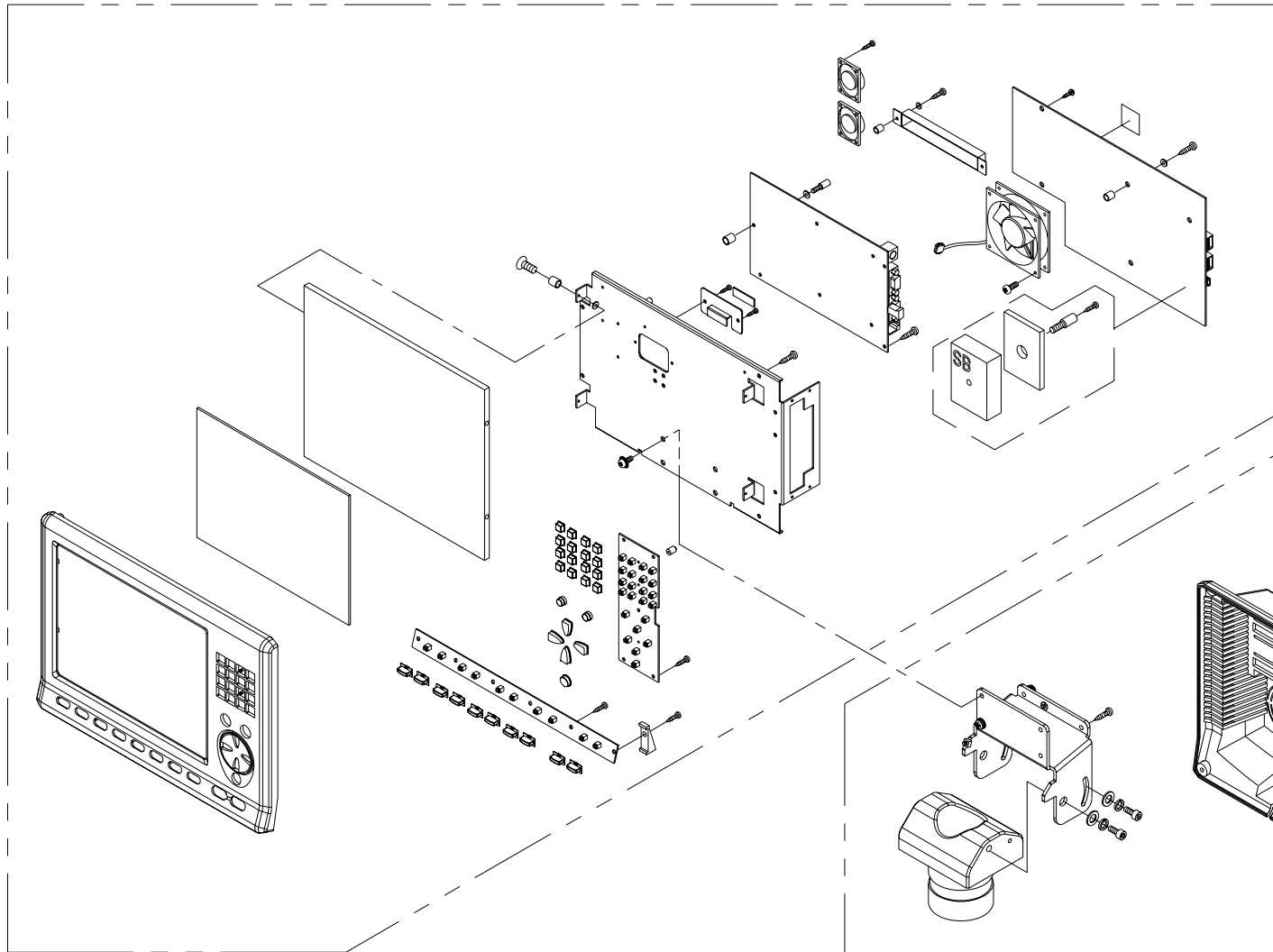
- Top Panel Assembly:** R-2-16 (fan), R-2-15 (fan cage), R-2-14 (fan bracket), R-2-13 (screw), and R-2-12 (top panel).
- Front Panel Assembly:** R-2-4 (I/O panel), R-2-5 (screw), R-2-6 (screw), R-2-7 (screw), R-2-3 (I/O panel bracket), R-2-2 (I/O panel bracket), R-2-18 (I/O panel bracket), R-2-17 (front panel), R-2-11 (screw), R-2-10 (I/O panel bracket), R-2-9 (I/O panel bracket), R-2-8 (I/O panel bracket), R-2-23 (I/O panel bracket), R-2-24 (I/O panel bracket), R-2-25 (I/O panel bracket), and R-2-32 (I/O panel bracket).
- Internal Components:** R-2-1 (chassis), R-2-20 (I/O panel), R-2-22 (I/O panel), R-2-21 (I/O panel), R-2-29 (I/O panel), R-2-31 (I/O panel), R-2-30 (I/O panel), and R-2-29 (I/O panel).
- Bottom Panel Assembly:** R-2-20 (I/O panel), R-2-22 (I/O panel), R-2-21 (I/O panel), R-2-29 (I/O panel), R-2-31 (I/O panel), R-2-30 (I/O panel), and R-2-29 (I/O panel).
- Accessories:** R-2-33 (warning label), R-2-34 (warning label), R-2-35 (warning label), R-2-38 (warning label), R-2-36 (warning label), R-2-37 (warning label), R-2-39 (warning label), and R-2-40 (warning label).

Note

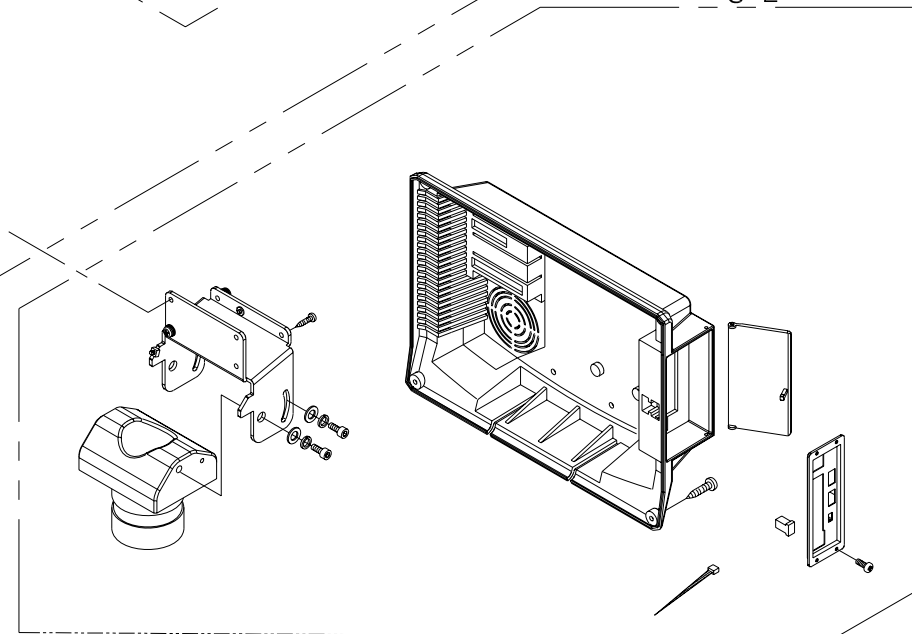


Operation Box

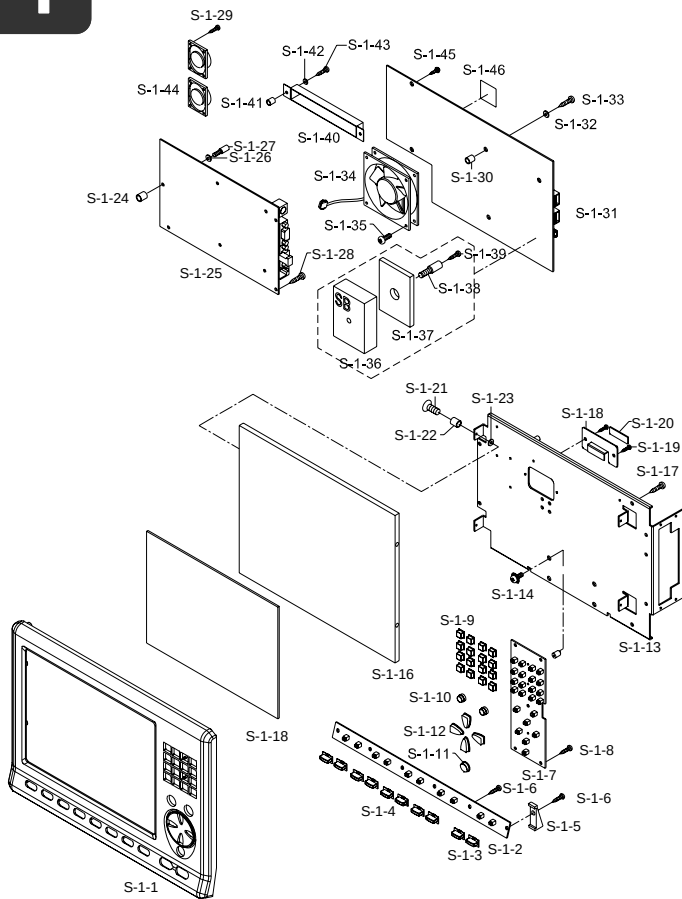
S-1



S-2



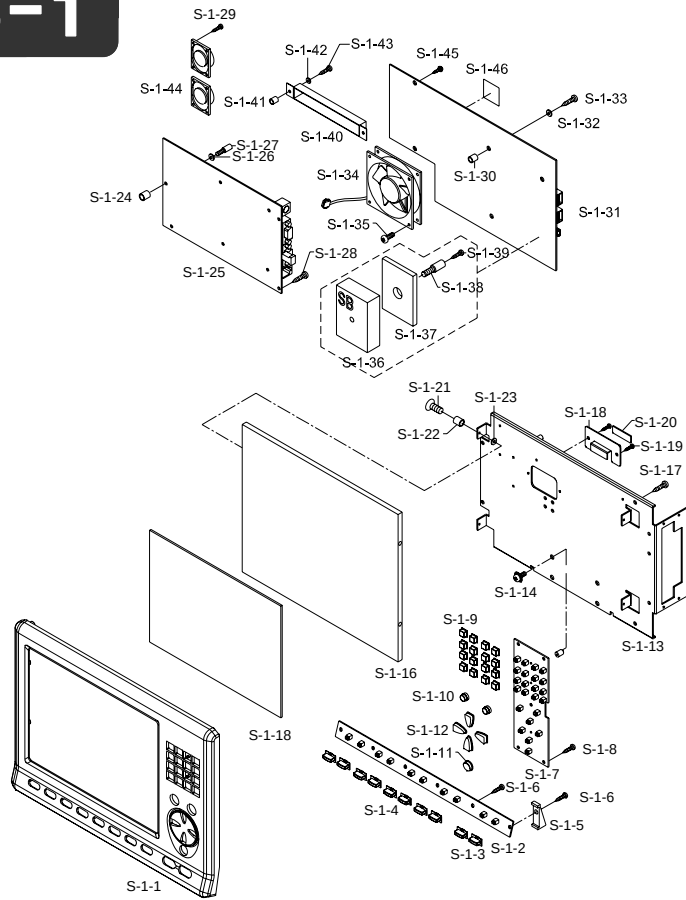
S-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
S-1-1	GP-014348-00	Front Cover	Jan,06,06 ~	X		1	
	GP-014348-01		Aug,03,06 ~	△			
	GP-014348-02		Aug,28,06 ~	△			
	GP-014348-03		Jan,08,07 ~	△			
	GP-014348-04		Sep,27,07 ~	△			
	GP-014348-05		Oct,25,07 ~	△			
S-1-2	BD-000347-00	F-KEY Board	Dec,31,05 ~	X		1	
	BD-000347-01		Aug,28,06 ~	△			
	BD-000347-02		Oct,11,06 ~	△			
	BD-000347-03		Jan,07,07 ~	△			
	BD-000347-04		May,26,08 ~	△			
S-1-3	GP-014360-00	Button (START,STOP Key)	Jan,06,06 ~	X		2	
	GP-014360-01		Aug,28,06 ~	△			
	GP-014360-02		Dec,15,06 ~	△			
S-1-4	GP-015068-00	Button (F Key)	Feb,08,06 ~	X		8	
	GP-015068-01		Aug,28,06 ~	△			
	GP-015068-02		Nov,08,06 ~	△			
S-1-5	GP-015067-00	Angle Bushing	Feb,08,06 ~	X		6	
	GP-015067-01		Aug,28,06 ~	△			
S-1-6	SC-000747-00	F-KEY Board Screw (ST2.9xL12)	Dec,11,06 ~	X		6	
S-1-7	BD-000346-00	C-KEY Board	Dec,31,05 ~	X		1	
	BD-000346-01		Jul,11,06 ~	△			
	BD-000346-02		Oct,19,06 ~	△			
	BD-000346-03		Jan,07,07 ~	△			
	BD-000346-04		May,26,08 ~	△			
S-1-8	PSC-DA000600	C-KEY Board Screw (ST2.9xL8)	Dec,08,05 ~	X		5	
S-1-9	GP-014356-00	Button (Number Key)	Jan,06,06 ~	X		16	
	GP-014356-01		Dec,15,06 ~	△			
S-1-10	GP-014357-00	Button (DOWN,UP Key)	Jan,06,06 ~	X		2	
	GP-014357-01		Dec,15,06 ~	△			
S-1-11	GP-014359-00	Button (F-Speed Key)	Jan,06,06 ~	X		1	
	GP-014359-01		Dec,15,06 ~	△			
S-1-12	GP-015069-00	Button (방향키)	Feb,08,06 ~	X		4	
S-1-13	GP-014345-00	Base Plate	Jan,06,06 ~	△		1	
	GP-014345-01		May,30,06 ~	△			
	GP-014345-02		Jul,14,06 ~	△			
	GP-014345-03		Jan,08,07 ~	△			

S-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
S-1-14	07-004S-SM5S	Screw for Fixing Bracket for OP (M4xL10)			O	4	
S-1-15	GP-014350-00	LCD Cover	Jan,06,06 ~	X		1	
	GP-014350-01		May,30,06 ~	△			
	GP-014350-02		Jun,21,06 ~	△			
	GP-014350-03		Feb,13,07 ~	△			
S-1-16	20-006A-SW70	LCD				1	
S-1-17	SC-000460-00	Screw for Base Plate (ST4xL8)	Dec,08,05 ~	X		4	
S-1-18	01-002B-OT10	Pressing Plate for LCD				1	
S-1-19	20-002B-SW70	Connecting Pressing Plate Sponge				2	
S-1-20	10-028S-SC53	Screw for Pressing Plate (M3xL7)			O	2	
S-1-21	SC-000629-00	Screw for LCD (M2×L8)	Aug,28,06 ~	X	O	4	
S-1-22	GP-019021-00	Insulation Bush(A)	Jul,13,06 ~	X		4	
S-1-23	GP-019022-00	Insulation Bush(B)	Jul,13,06 ~	X		4	
S-1-24	GP-014361-00	Insulation Bush(A)	Jan,06,06 ~	X		6	
	GP-014361-01		Jan,31,07 ~	△			
S-1-25	BD-000299-00	CPU Board	Nov,18,05 ~	X		1	
	BD-000299-01		Apr,27,06 ~	△			
	BD-000299-02		Jun,27,06 ~	△			
	BD-000299-03		Jul,24,06 ~	△			
	BD-000299-04		Aug,30,06 ~	△			
	BD-000299-05		Sep,03,06 ~	△			
	BD-000299-06		Dec,04,06 ~	△			
	BD-000299-07		Mar,08,07 ~	△			
	BD-000299-08		Nov,30,07 ~	△			
	BD-000299-09		Feb,04,08 ~	△			
	BD-000299-10		Jul,14,08 ~	△			
S-1-26	GP-014362-00	Insulation Bush(B)	Jan,06,06 ~	X		6	
S-1-27	GP-014341-00	CPU Board Fixing Stud (M3XL27.5)	Jan,06,06 ~	X		4	
	GP-014341-01		May,30,06 ~	△			
	GP-014341-02		Jul,14,06 ~	△			
	GP-014341-03		Nov,30,06 ~	△			
S-1-28	07-005S-SM5S	CPU Board Screw (SET) (M3xL10)			O	2	
S-1-29	10-028S-SC53	Speaker Fixing Screw (M3xL7)			O	4	
S-1-30	GP-014361-00	Insulation Bush(A)	Jan,06,06 ~	X		6	
	GP-014361-01		Jan,31,07 ~	△			

S-1

This exploded view diagram illustrates the assembly of a car stereo unit. The components are labeled as follows:

- S-1-1**: The main car stereo unit, shown at the bottom left.
- S-1-2** through **S-1-4**: A series of small electronic components, likely capacitors or resistors, arranged in a row.
- S-1-6** through **S-1-11**: Various small components, including a heat sink (**S-1-7**), a fan (**S-1-34**), and a small box (**S-1-36**).
- S-1-12** through **S-1-14**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-16**: A large rectangular component, likely a heat sink or a mounting plate.
- S-1-17** through **S-1-20**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-21** through **S-1-23**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-24** through **S-1-26**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-27** through **S-1-28**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-29** through **S-1-31**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-32** through **S-1-33**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-34** through **S-1-36**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-37** through **S-1-40**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-41** through **S-1-42**: A series of small components, likely capacitors or resistors, arranged in a row.
- S-1-43** through **S-1-46**: A series of small components, likely capacitors or resistors, arranged in a row.

Note

Q

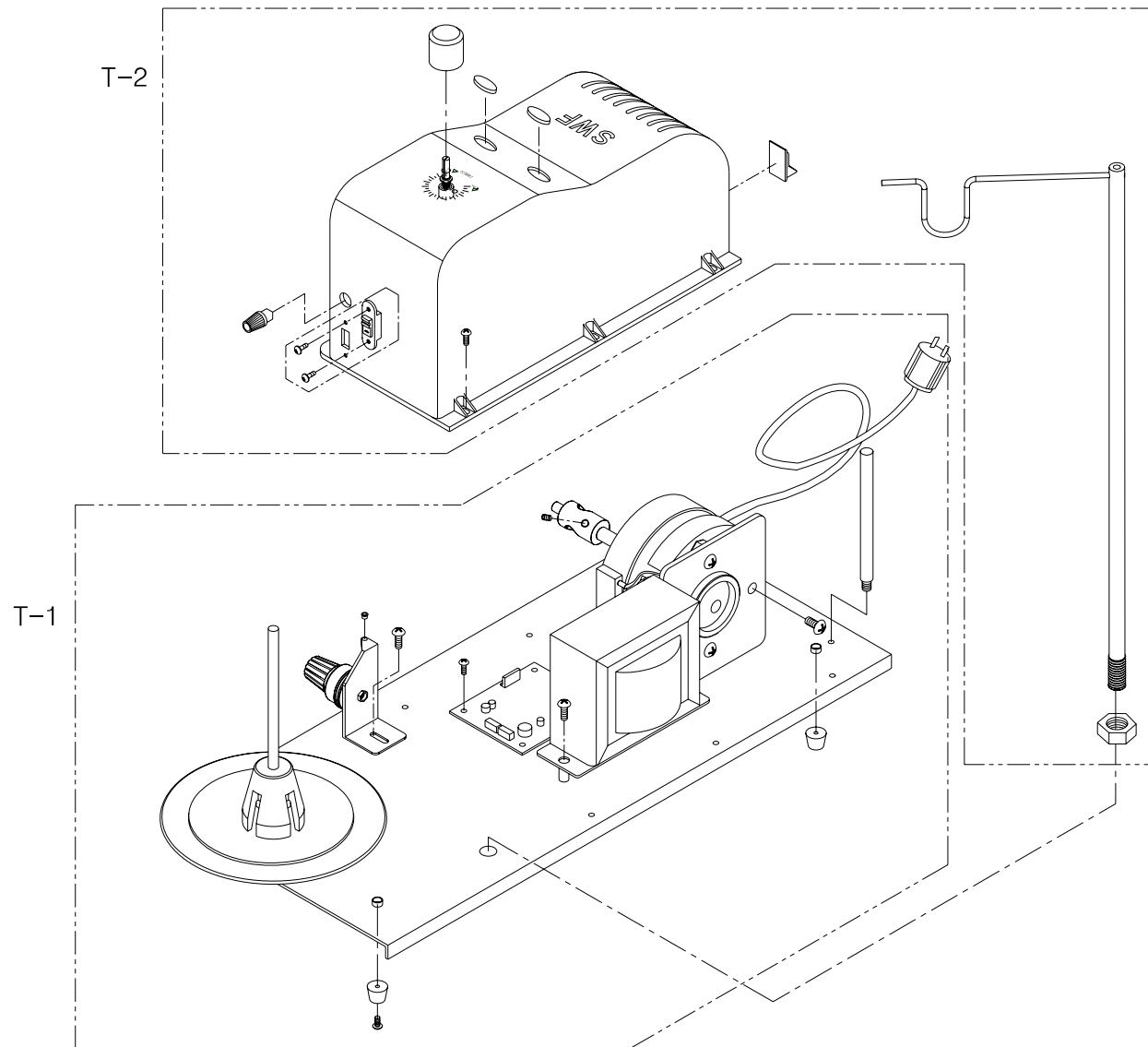
S-2

This exploded view diagram illustrates the components of the S-2 device. The main unit, labeled S-2-8, is a rectangular enclosure with a fan and internal components. A front panel, S-2-10, is shown to the right. A side panel, S-2-13, is shown below the main unit, with a handle S-2-14 and a mounting bracket S-2-12. A small component, S-2-9, is shown to the right of the side panel. A screw, S-2-11, is shown near the main unit. A handle, S-2-14, is shown below the side panel. A screw, S-2-12, is shown below the handle. A screw, S-2-13, is shown near the side panel. A screw, S-2-14, is shown near the handle.

Note

[illegible]

Bobbin Winder



T-2

This diagram illustrates the exploded view of the T-2 assembly. The components are labeled as follows:

- T-1-1**: Main rectangular base plate.
- T-1-2**: A vertical rod passing through a circular base.
- T-1-3**: A circular base plate for the rod.
- T-1-4**: A small circular component on the rod.
- T-1-5**: A larger circular component on the rod.
- T-1-6**: A rectangular component mounted on the base plate.
- T-1-7**: A small screw or pin.
- T-1-8**: A small rectangular component.
- T-1-9**: A small screw or pin.
- T-1-10**: A small screw or pin.
- T-1-11**: A small screw or pin.
- T-1-12**: A small screw or pin.
- T-1-13**: A curved component.
- T-1-14**: A small screw or pin.
- T-1-15**: A small screw or pin.
- T-1-16**: A small screw or pin.
- T-1-17**: A cable with a connector.
- T-1-18**: A small screw or pin.
- T-1-19**: A small screw or pin.

Note

Q

T-2

The diagram illustrates the assembly of the T-2 unit. Key components and their labels are as follows:

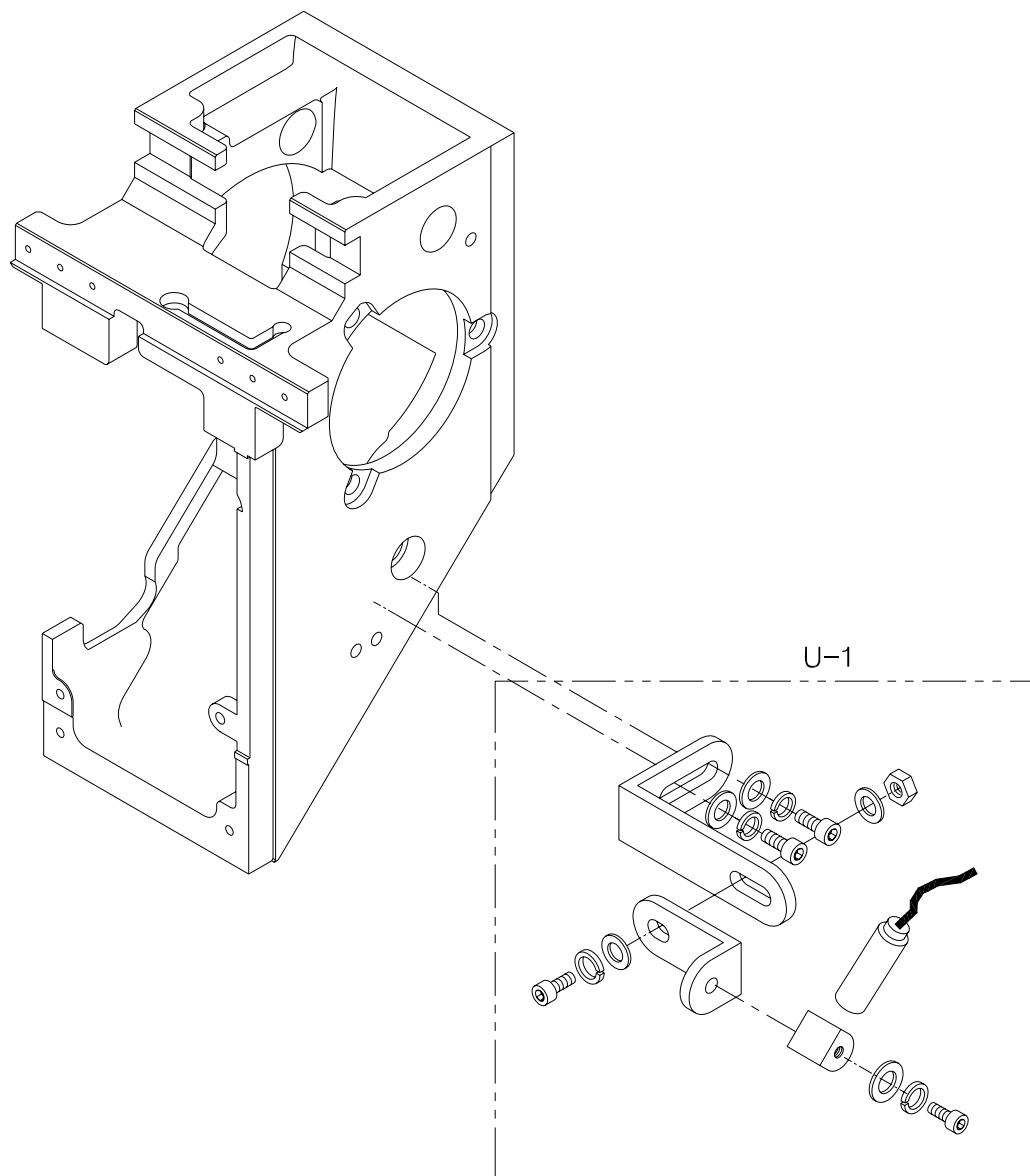
- T-2-1**: A long horizontal support rail.
- T-2-2**: A screw used to secure the rail to the base.
- T-2-3**: A vertical support post.
- T-2-4**: A screw for the side panel.
- T-2-5**: A screw for the side panel.
- T-2-6**: A screw for the top panel.
- T-2-7**: A cylindrical cap for the top panel.
- T-2-8**: A small circular gasket or washer.
- T-2-9**: A small circular gasket or washer.
- T-2-10**: A U-shaped bracket or handle.
- T-2-11**: A vertical support post with a hex nut at the bottom.

The unit itself is a rectangular box with a curved top and a side panel. The top panel features a circular vent with a fan-like design. The side panel has a handle and a lock mechanism. The unit is mounted on a base with a rail and a support post.

Note

Q

Laser Pointer (Option)



U-2

This exploded view diagram illustrates the assembly of the U-2 component. The main assembly is shown on the left, with dashed lines indicating the placement of various parts. The exploded components are labeled as follows:

- U-1-1: A rectangular base plate.
- U-1-2: A long, thin rectangular plate.
- U-1-3: A small circular washer or spacer.
- U-1-4: A small circular washer or spacer.
- U-1-5: A small rectangular block.
- U-1-6: A small rectangular block.
- U-1-7: A cylindrical component with a black cable attached.
- U-1-8: A small circular washer or spacer.
- U-1-9: A small circular washer or spacer.
- U-1-10: A small circular washer or spacer.
- U-1-11: A small rectangular block.

The diagram shows the U-1-1 base plate with U-1-2, U-1-3, U-1-4, U-1-5, and U-1-6 attached. U-1-7 is shown with a cable. U-1-8, U-1-9, and U-1-10 are shown as separate components. U-1-11 is shown as a separate component.

Note

[illegible]

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