

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.

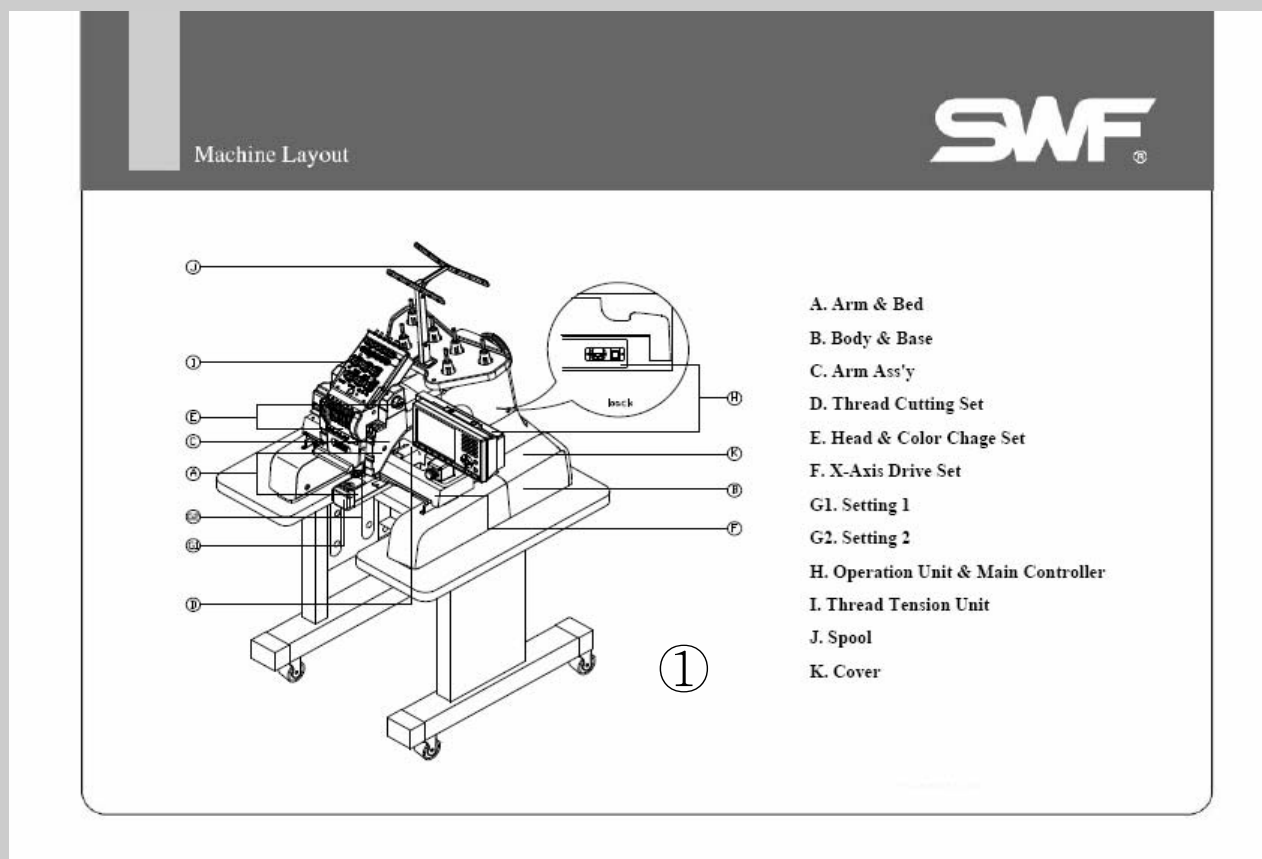
1. This is a parts book. It cannot be used as a manual.
2. The parts classified as ass'y items may cause damage to the machine or bad embroidery when they are separately assembled.
Hence, when they are ordered, they can be purchased as ass'y items only.
3. The Part Book is classified as below and users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

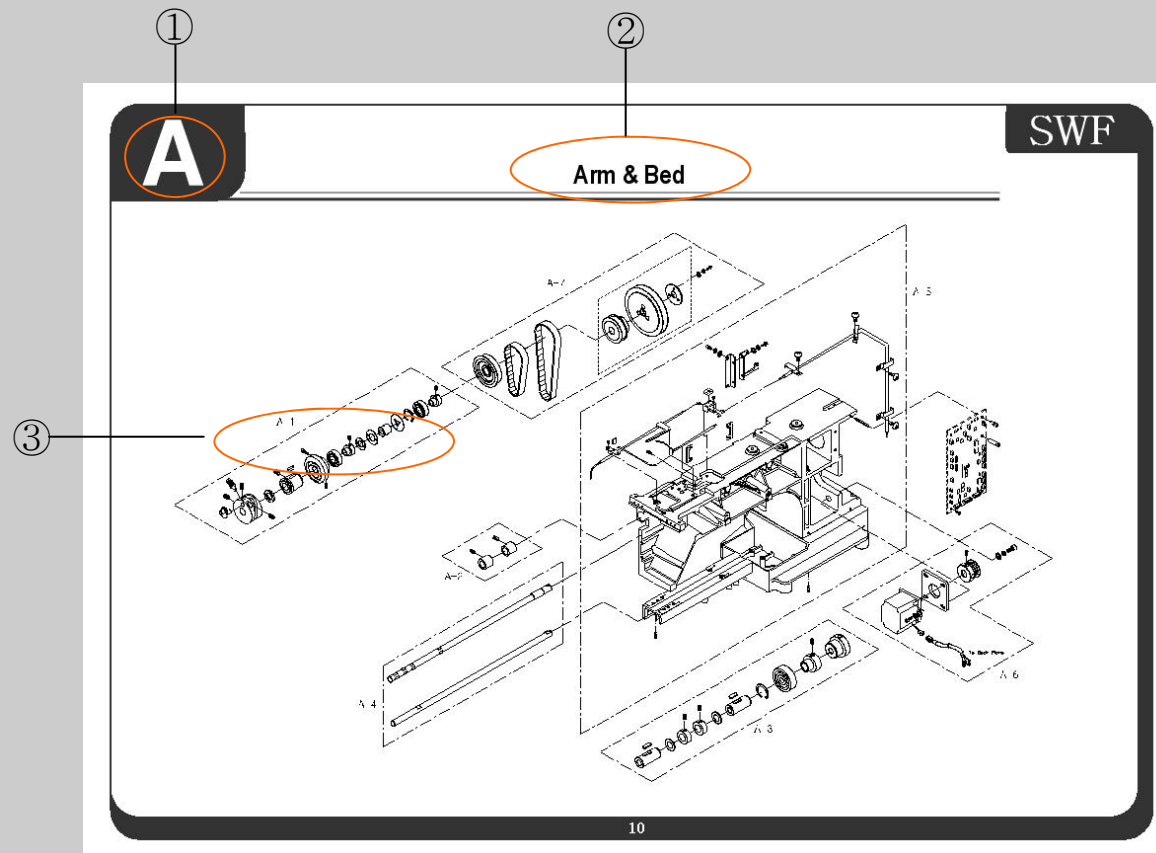


Information

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 (8/32x28L=17)			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	Steel Bar Crank				1	
A-1-9	0101SCM-T121	Upper Shaft Pinhole (P)				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)				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

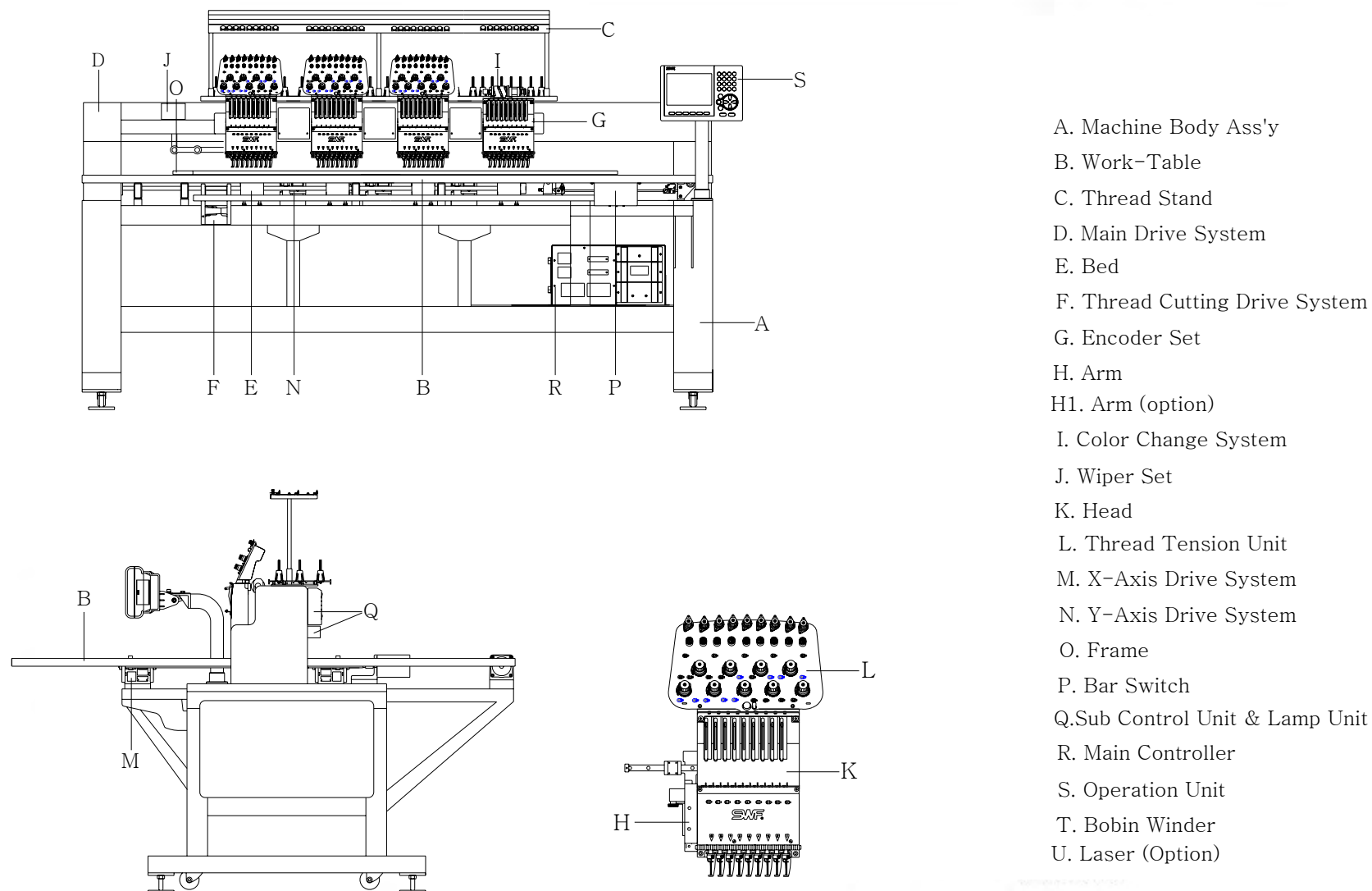
⑨ Q'ty : 사용 파트의 수량을 표기

: Quantity of part

⑩ Remark

⑪ Index Number

Machine Layout



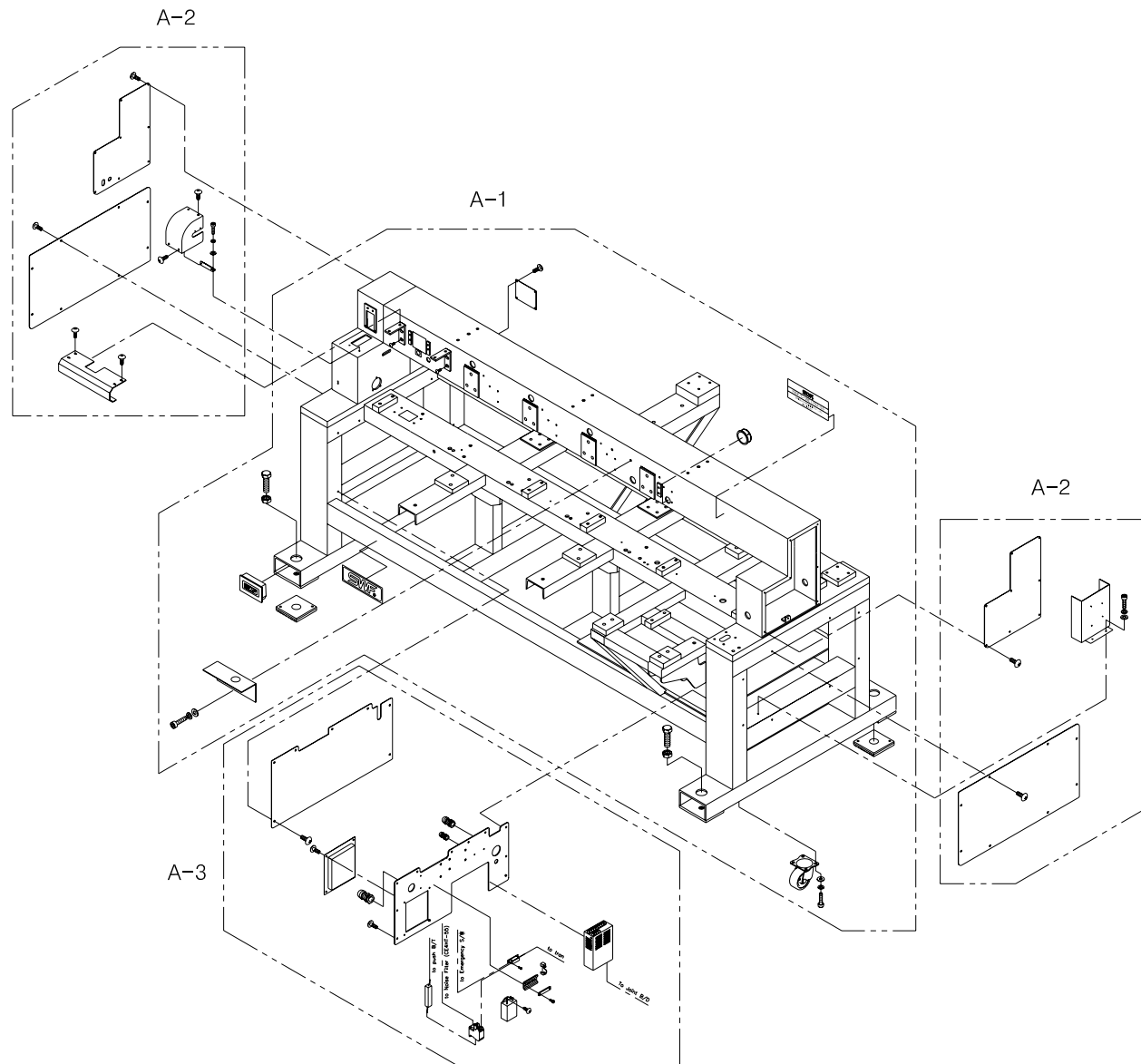


CONTENT

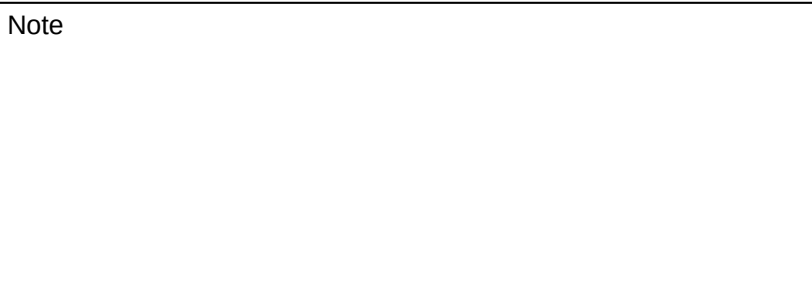
A	Beam Body & Bed	10
B	Work Table	14
C	Thread Stand	17
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G	Encoder Set	33
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Beam Body



A

[illegible]

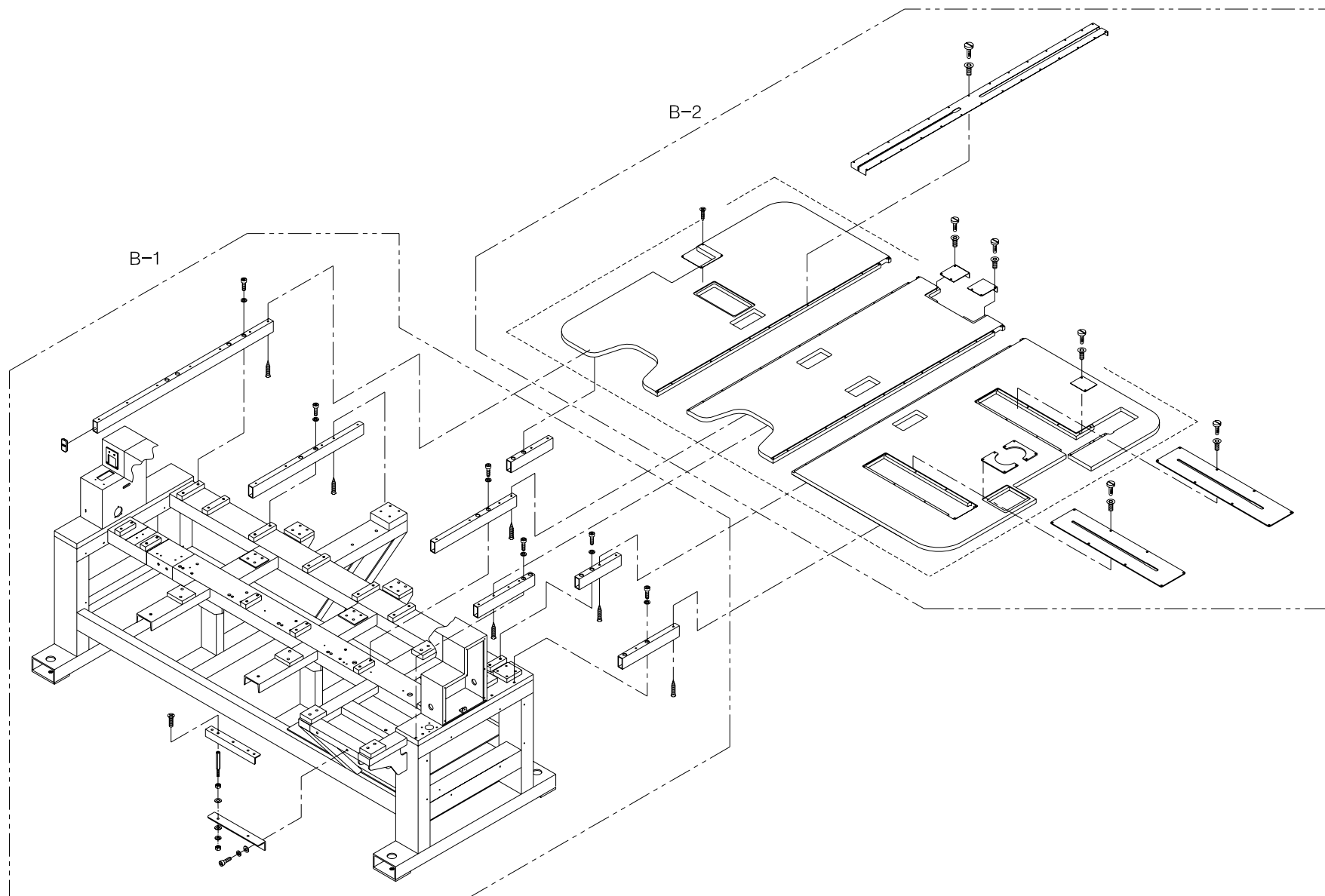
A

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 components are labeled as follows:

- B-1-1**: A long horizontal beam or support structure.
- B-1-2**: A small vertical pin or fastener.
- B-1-3**: A small vertical pin or fastener.
- B-1-4**: A horizontal beam or support structure, shown in multiple locations.
- B-1-5**: A horizontal beam or support structure.
- B-1-6**: A horizontal beam or support structure.
- B-1-7**: A horizontal beam or support structure.
- B-1-8**: A horizontal beam or support structure.
- B-1-9**: A horizontal beam or support structure.
- B-1-10**: A horizontal beam or support structure.
- B-1-11**: A horizontal beam or support structure.
- B-1-12**: A horizontal beam or support structure.
- B-1-13**: A small vertical pin or fastener.
- B-1-14**: A small vertical pin or fastener.
- B-1-15**: A small vertical pin or fastener.
- B-1-16**: A small vertical pin or fastener.
- B-1-17**: A small vertical pin or fastener.
- B-1-18**: A small vertical pin or fastener.
- B-1-19**: A small vertical pin or fastener.
- B-1-20**: A small vertical pin or fastener.
- B-1-21**: A small vertical pin or fastener.

The diagram shows the assembly structure with various beams, supports, and fasteners. The exploded view indicates the relative positions and assembly sequence of the components.

Note

[illegible]

15

B-2

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

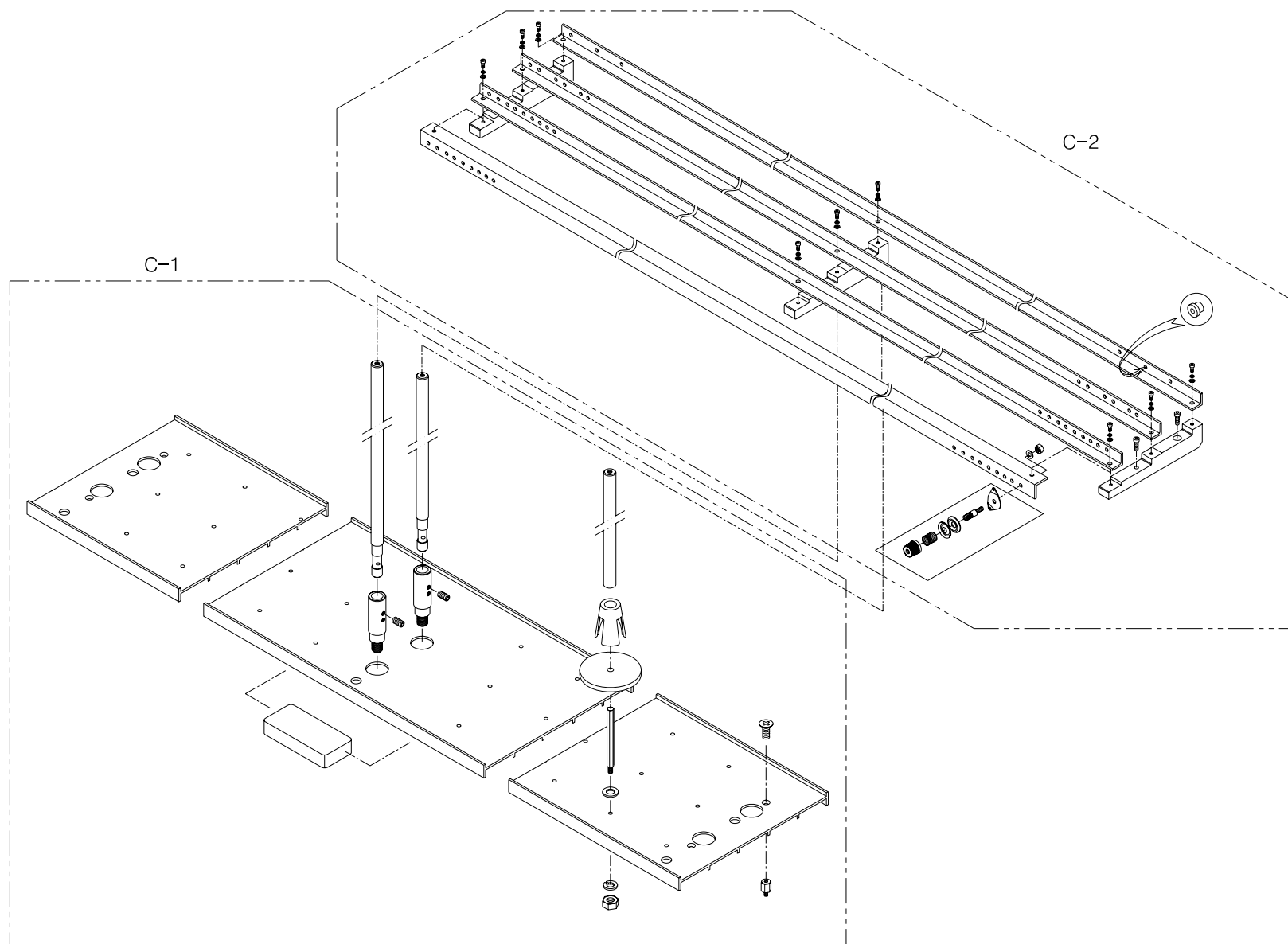
- B-2-1**: The main base unit, shown with dashed lines indicating its internal structure and assembly points.
- B-2-2**: A small rectangular component that fits into the top of the main unit.
- B-2-3**: A small square component that fits into the top of the main unit.
- B-2-4**: A long, narrow component that fits into the top of the main unit.
- B-2-5**: A small rectangular component that fits into the top of the main unit.
- B-2-6**: A long, narrow component that fits into the bottom of the main unit.
- B-2-7**: A long, narrow component that fits into the bottom of the main unit.
- B-2-8**: A small rectangular component that fits into the bottom of the main unit.
- B-2-9**: A small square component that fits into the bottom of the main unit.
- B-2-10**: A long, narrow component that fits into the bottom of the main unit.
- B-2-11**: A small square component that fits into the bottom of the main unit.
- B-2-12**: A small rectangular component that fits into the bottom of the main unit.
- B-2-13**: A small rectangular component that fits into the bottom of the main unit.

The diagram uses dashed lines to show the alignment and fit of the components. The components are labeled with their respective part numbers and are shown in their relative positions to the main unit.

Note

B

Thread Stand



[illegible]

Note

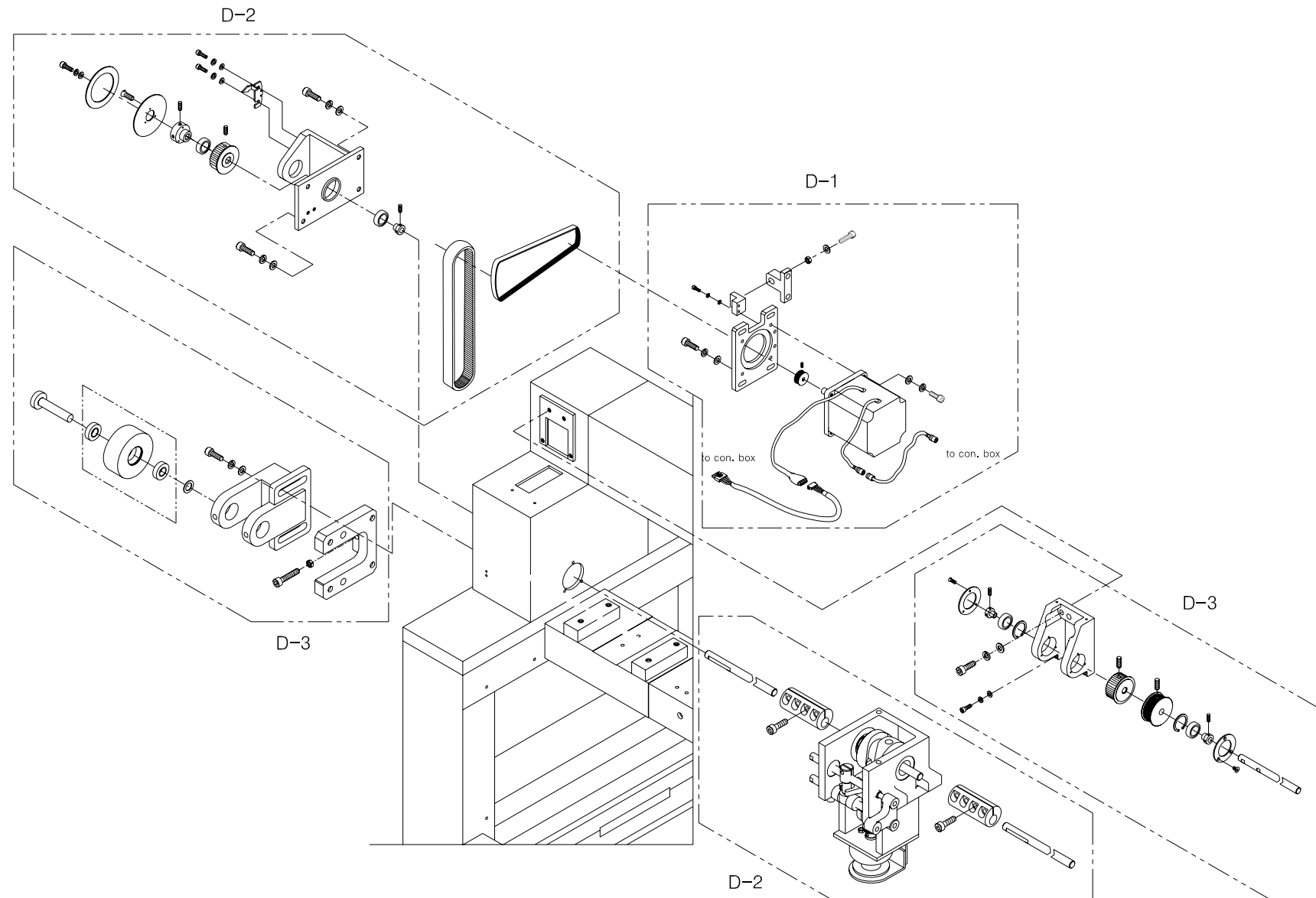
[illegible]

Note

[illegible]

C

Main Drive System



[illegible]

Note	
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[illegible]

D

D-2

This diagram illustrates the assembly of a mechanical unit, likely a door or panel, with various components labeled as follows:

- Top Section:** Components D-2-14, D-2-15, D-2-16, D-2-13, D-2-11, D-2-12, D-2-21, D-2-22, D-2-23, D-2-20, D-2-17, D-2-18, and D-2-19 are shown at the top, including a circular flange and various bolts and pins.
- Central Section:** Components D-2-8, D-2-9, D-2-6, D-2-10, D-2-2, D-2-3, D-2-4, D-2-1, and D-2-7 are shown in the middle, including a rectangular plate and various fasteners.
- Bottom Section:** Components D-2-5, D-2-24, D-2-25, D-2-26, and D-2-28 are shown at the bottom, including a large rectangular plate, a handle, and various bolts and pins.

The diagram shows the assembly of a mechanical unit, likely a door or panel, with various components labeled as follows:

- Top Section:** Components D-2-14, D-2-15, D-2-16, D-2-13, D-2-11, D-2-12, D-2-21, D-2-22, D-2-23, D-2-20, D-2-17, D-2-18, and D-2-19 are shown at the top, including a circular flange and various bolts and pins.
- Central Section:** Components D-2-8, D-2-9, D-2-6, D-2-10, D-2-2, D-2-3, D-2-4, D-2-1, and D-2-7 are shown in the middle, including a rectangular plate and various fasteners.
- Bottom Section:** Components D-2-5, D-2-24, D-2-25, D-2-26, and D-2-28 are shown at the bottom, including a large rectangular plate, a handle, and various bolts and pins.

Note

D

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

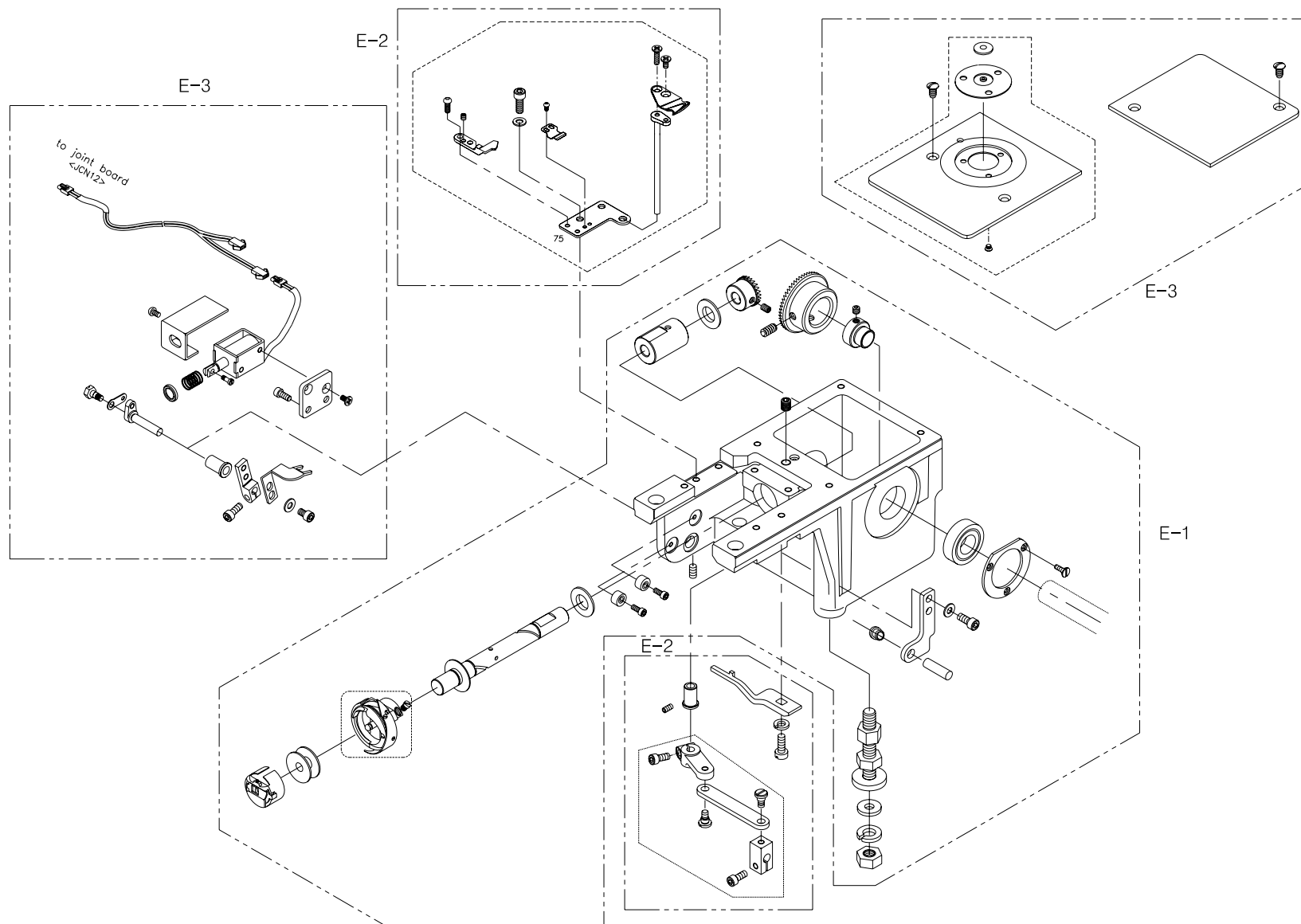
- D-3-1**: Main front panel frame.
- D-3-2**: Mounting bracket for the top right.
- D-3-3**: Small circular component (possibly a knob or button).
- D-3-4**: Long mounting screw.
- D-3-5**: Small circular component.
- D-3-6**: Small circular component.
- D-3-7**: Small circular component.
- D-3-8**: 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.

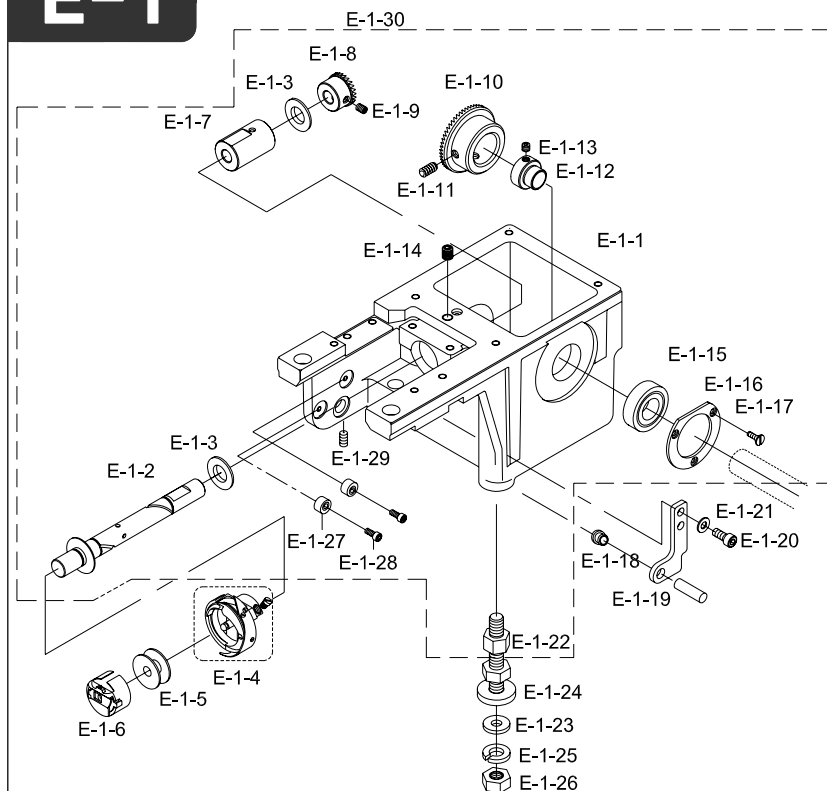
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D

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 diagram illustrates the assembly of the E-2 engine. The components are labeled as follows:

- E-2-1: Main engine block
- E-2-2: Bolt
- E-2-3: Washer
- E-2-4: Nut
- E-2-5: Bolt
- E-2-6: Bolt
- E-2-7: Bolt
- E-2-8: Bolt
- E-2-9: Bolt
- E-2-10: Bolt
- E-2-11: Washer
- E-2-12: Bolt
- E-2-13: Bolt
- E-2-14: Bolt
- E-2-15: Bolt
- E-2-16: Bolt
- E-2-17: Bolt
- E-2-18: Bolt
- E-2-19: Bolt
- E-2-20: Bolt
- E-2-21: Bolt
- E-2-22: Bolt
- E-2-23: Bolt
- E-2-24: Bolt

Note



E-3

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

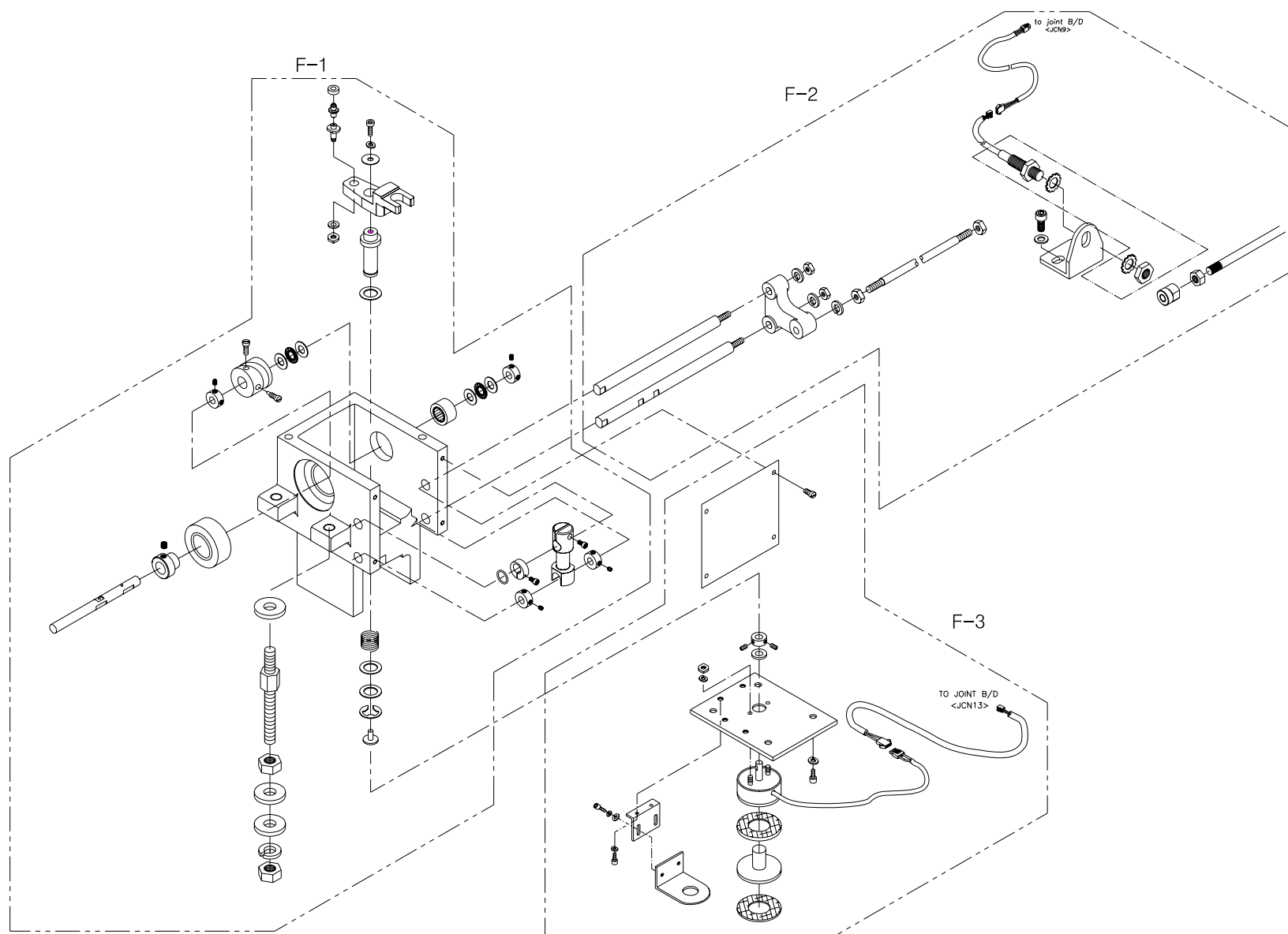
- E-3-1**: Main assembly housing.
- E-3-2**: Mounting bracket.
- E-3-3**: Mounting screw.
- E-3-4**: Mounting bracket.
- E-3-5**: Mounting screw.
- E-3-6**: Mounting bracket.
- E-3-7**: Mounting plate.
- E-3-8**: Mounting screw.
- E-3-9**: Mounting screw.
- E-3-10**: Mounting screw.
- E-3-11**: Mounting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

to joint board <JCN12>

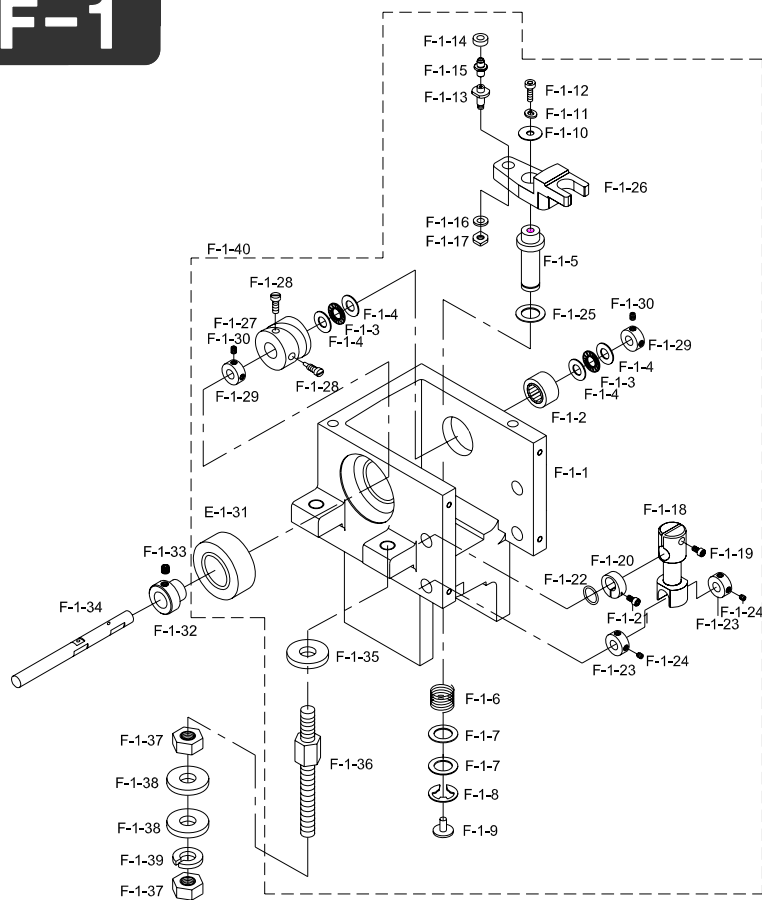
Note	
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E

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

Exploded view diagram of a mechanical assembly, likely a pump or motor component. The diagram shows various parts labeled F-1-1 through F-1-40. The main assembly includes a housing (F-1-1) and a rotor (F-1-2). Other components include a stator (F-1-3), a shaft (F-1-4), and various bolts, nuts, and washers (F-1-14 through F-1-40). The diagram illustrates the assembly sequence and the relative positions of the parts.

Note



F-2

The diagram illustrates the assembly of the F-2 component. The main assembly area is enclosed in a dashed box. Components are labeled as follows:

- F-2-1**: A long, thin rod with a threaded end.
- F-2-2**: A bracket or support piece with a circular opening.
- F-2-3**: A small circular washer or spacer.
- F-2-4**: A small cylindrical pin or bolt.
- F-2-5**: A small cylindrical component, possibly a bush or pin.
- F-2-6**: A small cylindrical component, possibly a bush or pin.
- F-2-7**: A cable or hose with a connector.
- F-2-8**: A long, thin rod with a threaded end.
- F-2-9**: A long, thin rod with a threaded end.
- F-2-10**: A bracket or support piece with a circular opening.
- F-2-11**: A small cylindrical pin or bolt.
- F-2-12**: A small cylindrical pin or bolt.
- F-2-13**: A long, thin rod with a threaded end.
- F-2-14**: A small cylindrical component, possibly a bush or pin.

Assembly instructions are provided for the main assembly area:

- Insert **F-2-1** into the bracket **F-2-2**.
- Insert **F-2-3** into the bracket **F-2-2**.
- Insert **F-2-4** into the bracket **F-2-2**.
- Insert **F-2-5** into the bracket **F-2-2**.
- Insert **F-2-6** into the bracket **F-2-2**.
- Insert **F-2-7** into the bracket **F-2-2**.
- Insert **F-2-8** into the bracket **F-2-2**.
- Insert **F-2-9** into the bracket **F-2-2**.
- Insert **F-2-10** into the bracket **F-2-2**.
- Insert **F-2-11** into the bracket **F-2-2**.
- Insert **F-2-12** into the bracket **F-2-2**.
- Insert **F-2-13** into the bracket **F-2-2**.
- Insert **F-2-14** into the bracket **F-2-2**.

Additional notes:

- to joint B/D <JCN9>
- 67

Note



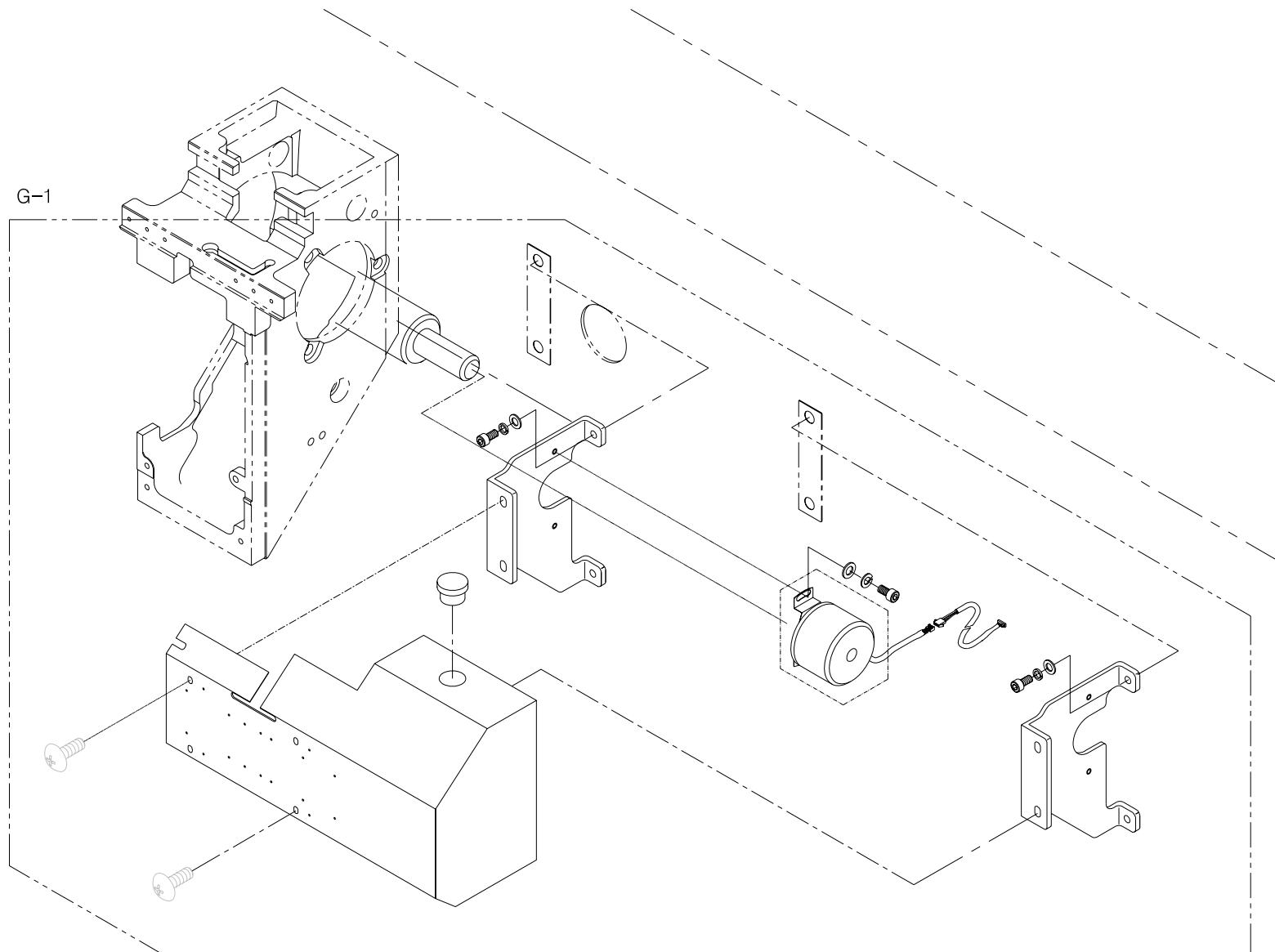
F-3

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 indicated for one of these holes. Below the plate, a central assembly is shown. It consists of a base plate (F-3-3) with several mounting holes. A central vertical assembly is shown, including a nut (F-3-5), a washer (F-3-6), a flange (F-3-4), and a central rod (F-3-16). A cap nut (F-3-17) and a washer (F-3-15) are shown for the top of the rod. A cable (F-3-18) is shown connected to the central assembly, with a label "TO JOINT B/D <JCN13>" indicating its connection point. To the left, a bracket (F-3-9) is shown with two screws (F-3-10, F-3-11) and a washer (F-3-12). Below the bracket, a plate (F-3-8) is shown with two screws (F-3-12, F-3-13). At the bottom, a flange (F-3-7) is shown with a central rod (F-3-14) and a washer (F-3-6). The diagram uses standard mechanical drawing conventions, including dashed lines to show hidden components and arrows to indicate assembly direction.

Note



Encoder Set



G-1

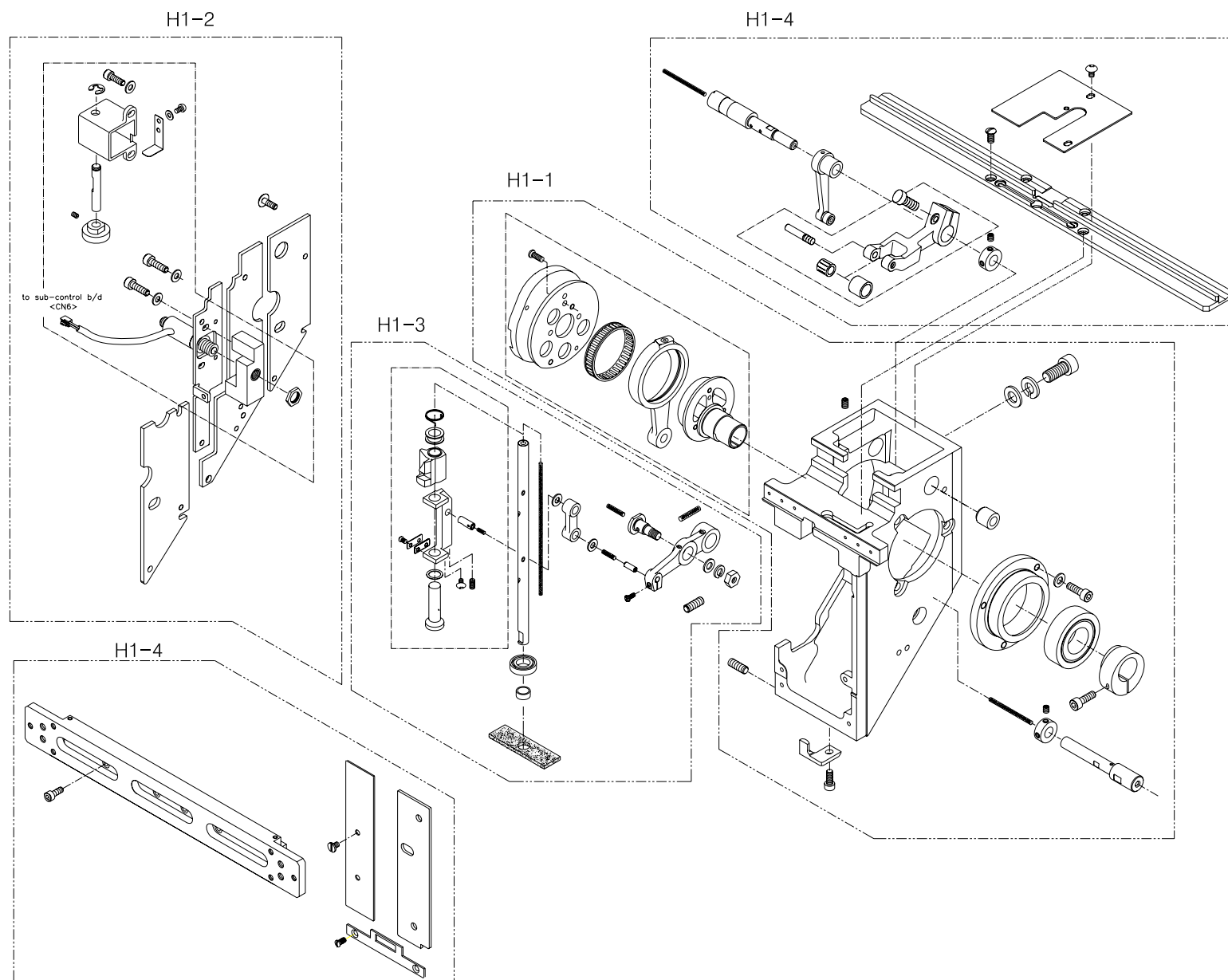
This exploded view diagram illustrates the assembly of the G-1 unit. The components are labeled as follows:

- 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. The cable (G-1-12) is connected to the motor. The screws (G-1-9) are used to secure the housing and brackets.

Note

Arm I



This exploded view diagram illustrates the assembly of the H1-1-19 unit. The main body is labeled H1-1-1. The diagram shows the following components and their assembly sequence:

- H1-1-15**: A small screw used to secure the top cover.
- H1-1-14**: A top cover plate with multiple mounting holes.
- H1-1-13**: A circular gasket or seal.
- H1-1-12**: A circular flange or ring.
- H1-1-11**: A circular component, possibly a filter or a small motor housing.
- H1-1-10**: A cylindrical component, likely a motor or a pump.
- H1-1-16**: A small screw used to secure the side panel.
- H1-1-17**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-18**: A small bracket or support piece.
- H1-1-19**: The main body of the unit, which is the central component being assembled.
- H1-1-2**: A small screw used to secure the bottom cover.
- H1-1-3**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-4**: A small screw used to secure the bottom cover.
- H1-1-5**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-6**: A circular flange or ring.
- H1-1-7**: A small screw used to secure the bottom cover.
- H1-1-8**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-9**: A small screw used to secure the bottom cover.
- H1-1-10**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-11**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-12**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-13**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-14**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-15**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-16**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-17**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-18**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-19**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-20**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-21**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-22**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-23**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-24**: A small cylindrical component, possibly a pin or a small screw.
- H1-1-25**: A small cylindrical component, possibly a pin or a small screw.

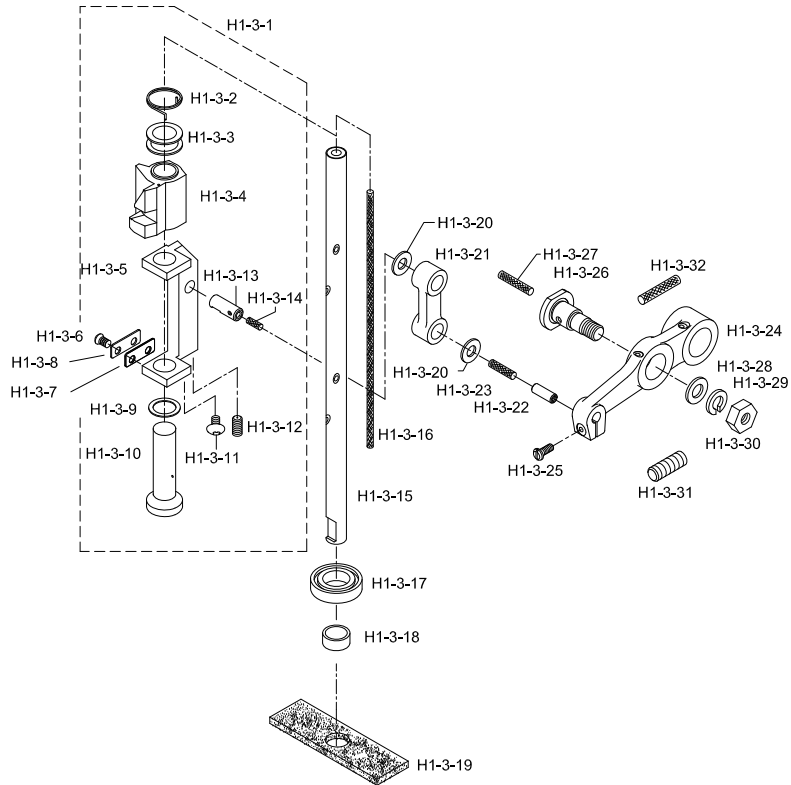
Note



Note



H1-3



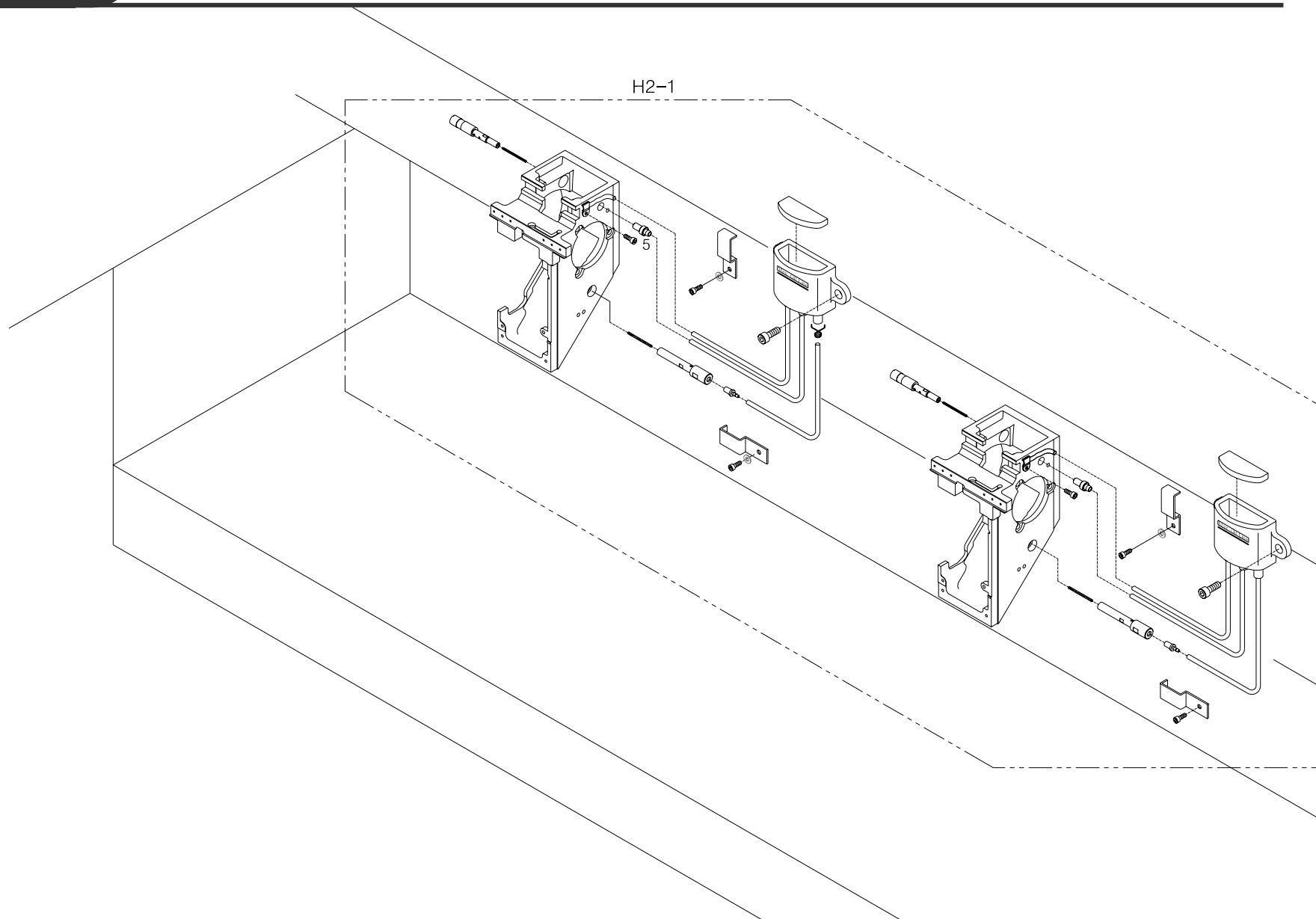
Note

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	

Note

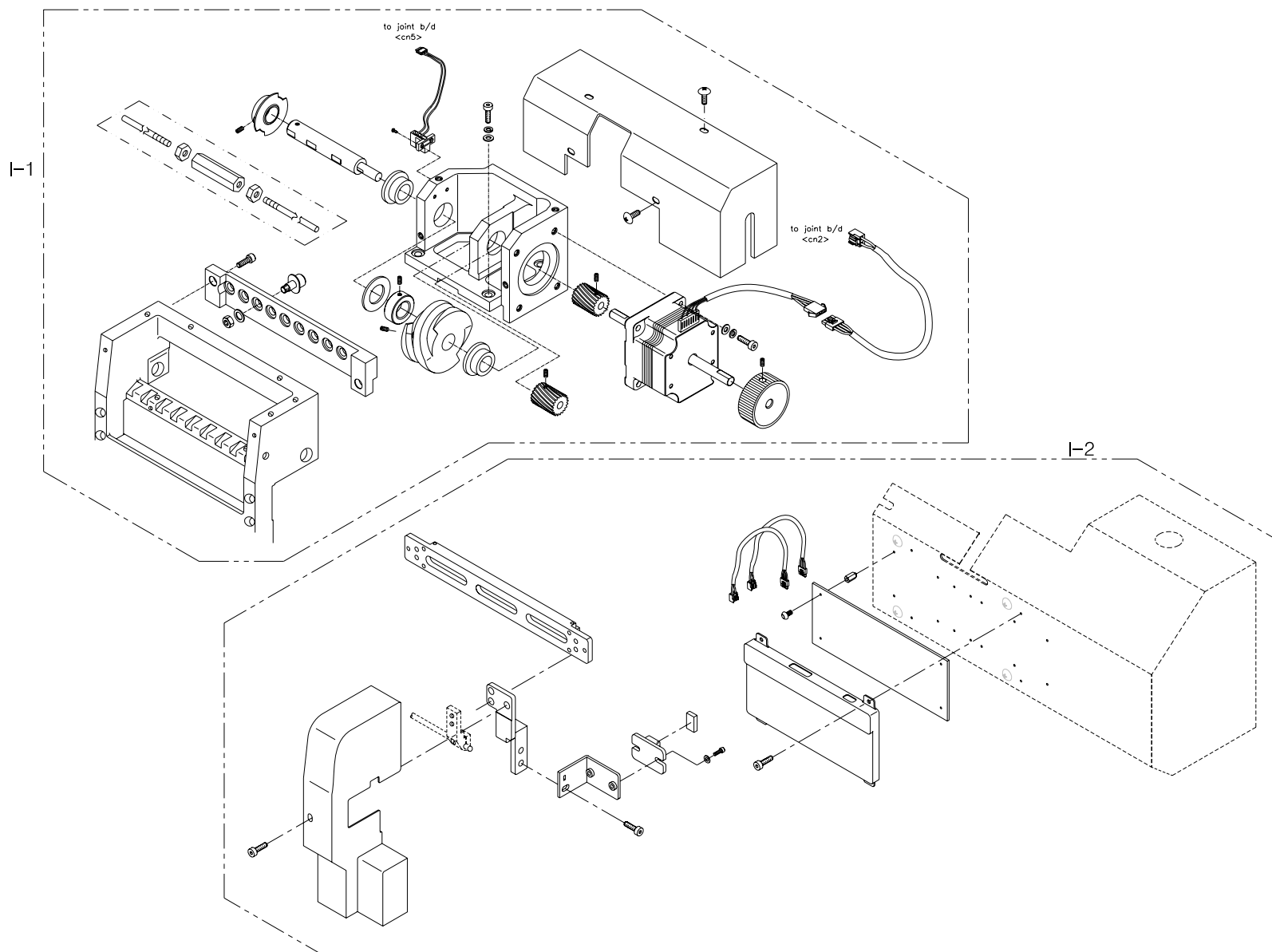


Arm II

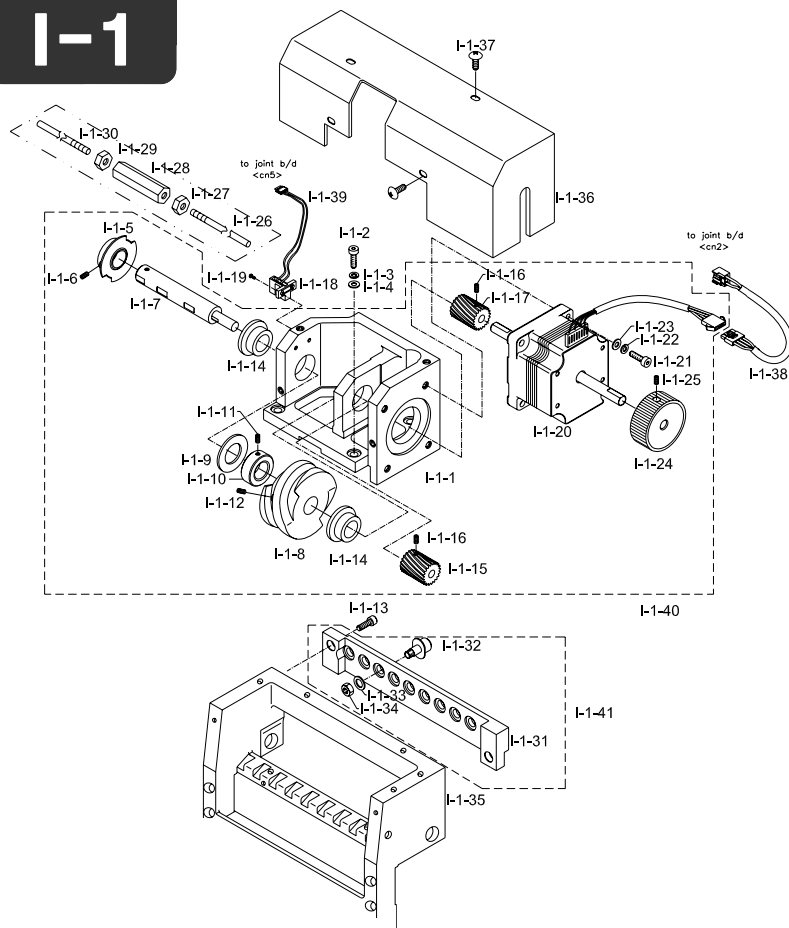


[illegible]

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	

Note

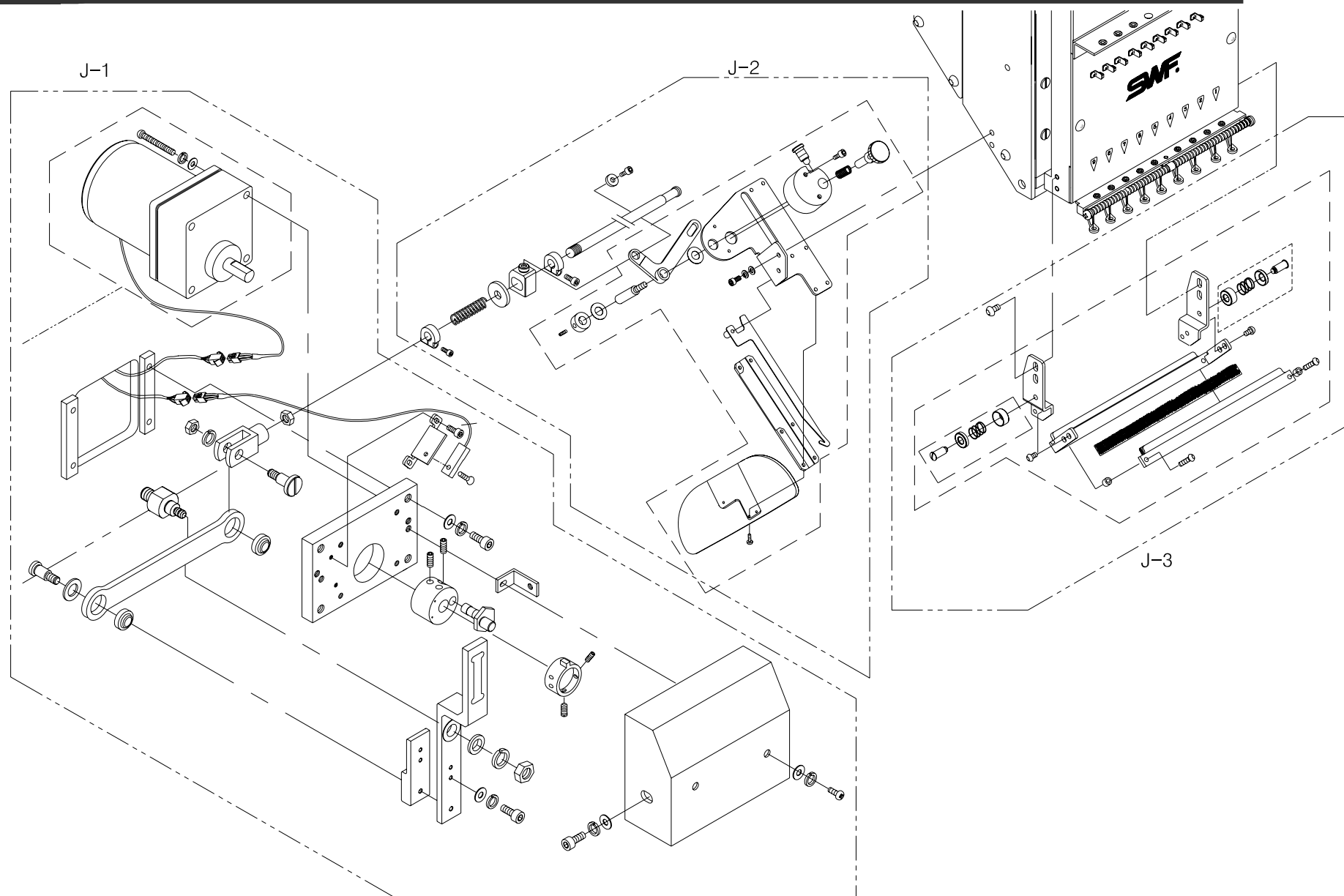
I-2

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

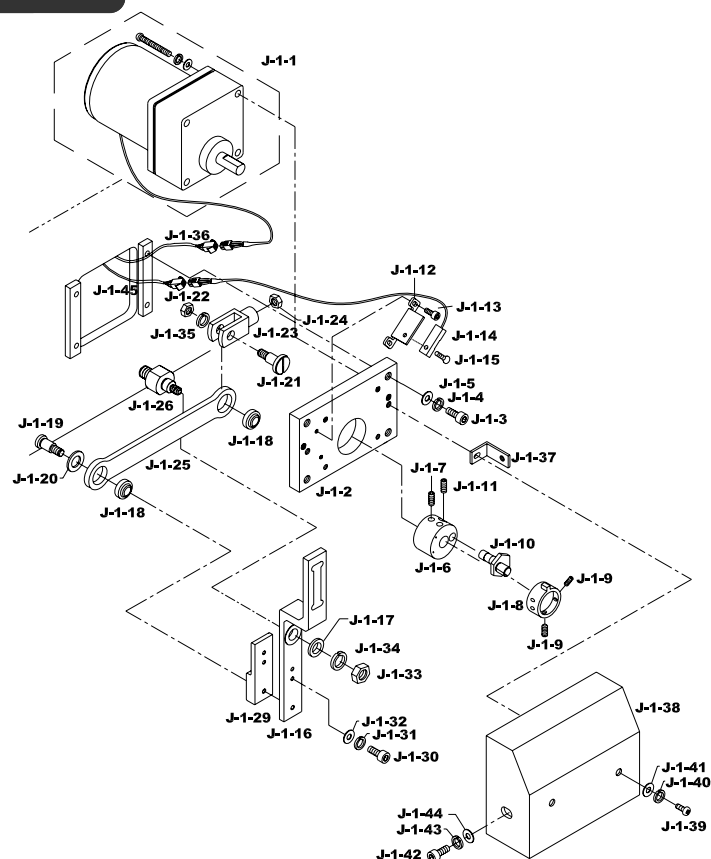
- I-2-1**: The main vertical housing component.
- I-2-11**: A screw used to secure the top of the main housing.
- I-2-2**: A vertical mounting bracket that attaches to the side of the main housing.
- I-2-3**: A horizontal mounting bracket that attaches to the side of the vertical bracket.
- I-2-4**: A horizontal panel that fits into the front of the main housing.
- I-2-5**: A horizontal panel that fits into the front of the main housing, positioned below the I-2-4 panel.
- I-2-6**: A cable with two connectors, used for wiring the front panels.
- I-2-7**: A cable with two connectors, used for wiring the front panels.
- I-2-8**: A small component that fits into the front panel area.
- I-2-9**: A small component that fits into the front panel area.
- I-2-10**: A screw used to secure the front panels.
- I-2-12**: A screw used to secure the front panels.
- I-2-13**: A screw used to secure the front panels.
- I-2-14**: A horizontal mounting bracket that attaches to the side of the main housing.
- I-2-15**: A horizontal mounting bracket that attaches to the side of the main housing.

Note

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 cylindrical component with a mounting bracket.
- J-1-2**: Central rectangular plate with mounting holes.
- J-1-3**: Small cylindrical component.
- J-1-4**: Small cylindrical component.
- J-1-5**: Small cylindrical component.
- J-1-6**: Small cylindrical component.
- J-1-7**: Small cylindrical component.
- J-1-8**: Small cylindrical component.
- J-1-9**: Small cylindrical component.
- J-1-10**: Small cylindrical component.
- J-1-11**: Small cylindrical component.
- J-1-12**: Small cylindrical component.
- J-1-13**: Small cylindrical component.
- J-1-14**: Small cylindrical component.
- J-1-15**: Small cylindrical component.
- J-1-16**: Small cylindrical component.
- J-1-17**: Small cylindrical component.
- J-1-18**: Small cylindrical component.
- J-1-19**: Small cylindrical component.
- J-1-20**: Small cylindrical component.
- J-1-21**: Small cylindrical component.
- J-1-22**: Small cylindrical component.
- J-1-23**: Small cylindrical component.
- J-1-24**: Small cylindrical component.
- J-1-25**: Small cylindrical component.
- J-1-26**: Small cylindrical component.
- J-1-29**: Small cylindrical component.
- J-1-30**: Small cylindrical component.
- J-1-31**: Small cylindrical component.
- J-1-32**: Small cylindrical component.
- J-1-33**: Small cylindrical component.
- J-1-34**: Small cylindrical component.
- J-1-35**: Small cylindrical component.
- J-1-36**: Small cylindrical component.
- J-1-37**: Small cylindrical component.
- J-1-38**: Small cylindrical component.
- J-1-39**: Small cylindrical component.
- J-1-40**: Small cylindrical component.
- J-1-41**: Small cylindrical component.
- J-1-42**: Small cylindrical component.
- J-1-43**: Small cylindrical component.
- J-1-44**: Small cylindrical component.
- J-1-45**: Small cylindrical component.

Note	
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[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

This exploded view diagram illustrates the assembly of the J-3 component. The parts are labeled as follows:

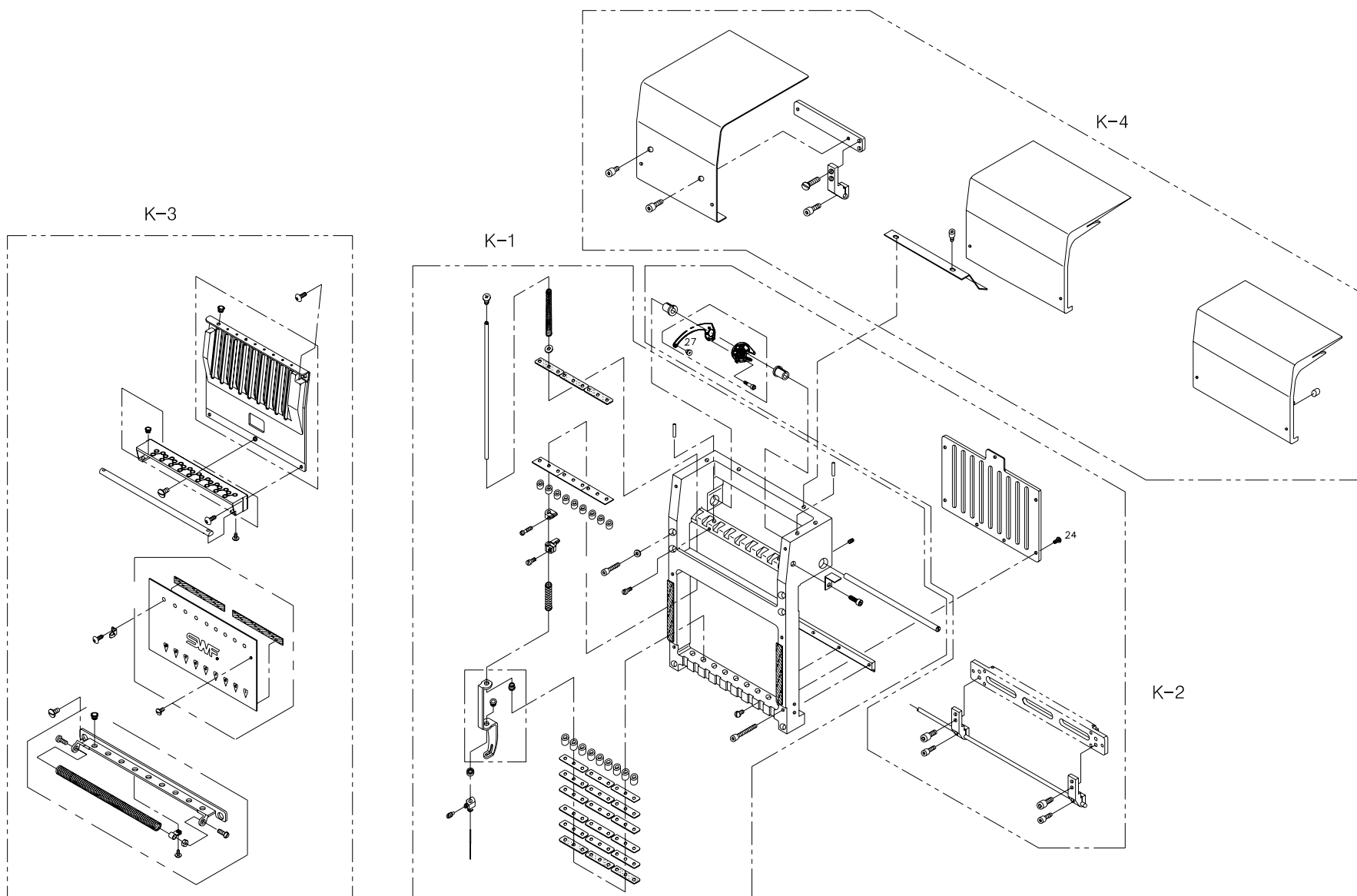
- J-3-1**: A long, thin metal plate or rail.
- J-3-2**: A vertical mounting bracket with two holes.
- J-3-3**: A vertical mounting bracket with two holes, similar to J-3-2 but positioned differently.
- J-3-4**: A small screw or bolt.
- J-3-5**: A spring.
- J-3-6**: A roller or wheel.
- J-3-7**: A small screw or bolt.
- J-3-8**: A small screw or bolt.
- J-3-9**: A small screw or bolt.
- J-3-10**: A long, thin metal plate or rail, similar to J-3-1.
- J-3-11**: A small screw or bolt.
- J-3-12**: A small screw or bolt.
- J-3-13**: A long, thin metal plate or rail, similar to J-3-1.
- J-3-14**: A small screw or bolt.
- J-3-15**: A small screw or bolt.

The diagram shows the assembly sequence with dashed lines indicating the placement of each part. A dashed box highlights the assembly of J-3-5, J-3-6, J-3-7, J-3-8, and J-3-9.

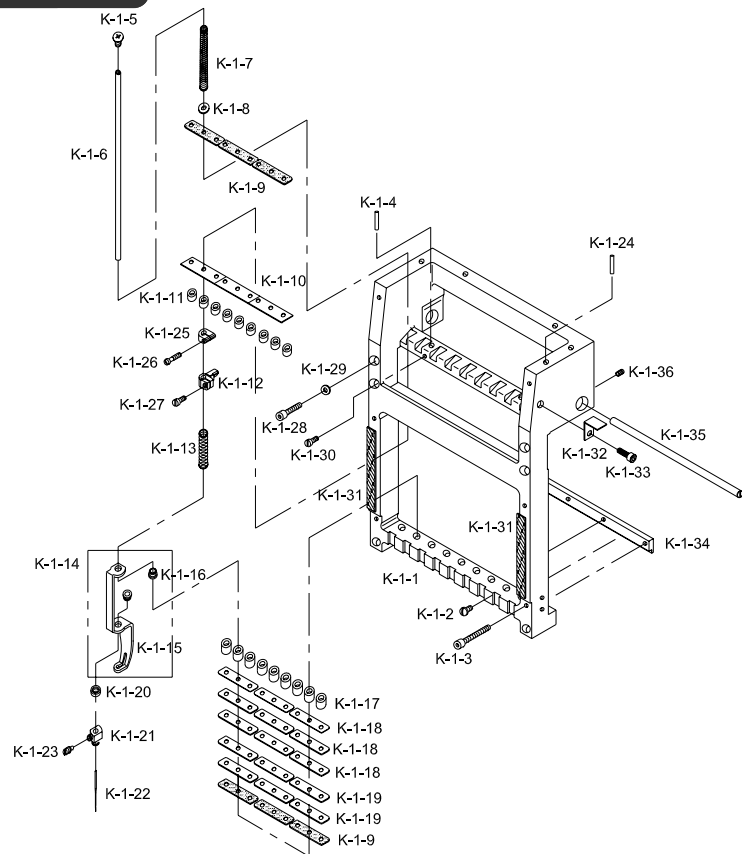
Note

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. The assembly includes the following parts and callouts:

- K-1-37**: Main door frame assembly.
- K-2-1**: Handle assembly.
- K-2-2**: Handle mounting bracket.
- K-2-3**: Handle mounting screw.
- K-2-4**: Handle mounting pin.
- K-2-5**: Handle mounting pin.
- K-2-6**: Handle mounting bracket.
- K-2-7**: Handle mounting screw.
- K-2-8**: Handle mounting bracket.
- K-2-9**: Handle mounting screw.
- K-2-10**: Handle mounting pin.
- K-2-11**: Handle mounting pin.
- K-2-12**: Handle mounting screw.
- K-2-13**: Handle mounting pin.

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**: Screws for the top panel.
- K-3-5**: Middle panel.
- K-3-6**: Screws for the middle panel.
- K-3-7**: Screws for the middle panel.
- K-3-8**: Bottom panel.
- K-3-9**: Screws for the bottom panel.
- K-3-10**: Back panel.
- K-3-11**: Screws for the back panel.
- K-3-12**: Screws for the back panel.
- K-3-13**: Screws for the back panel.
- K-3-14**: Screws for the back panel.
- K-3-15**: Screws for the back panel.
- K-3-16**: Spring.
- K-3-17**: Screws for the spring.
- K-3-18**: Screws for the spring.
- K-3-19**: Screws for the spring.
- K-3-20**: Screws for the spring.
- K-3-21**: Screws for the spring.

Note



K-4

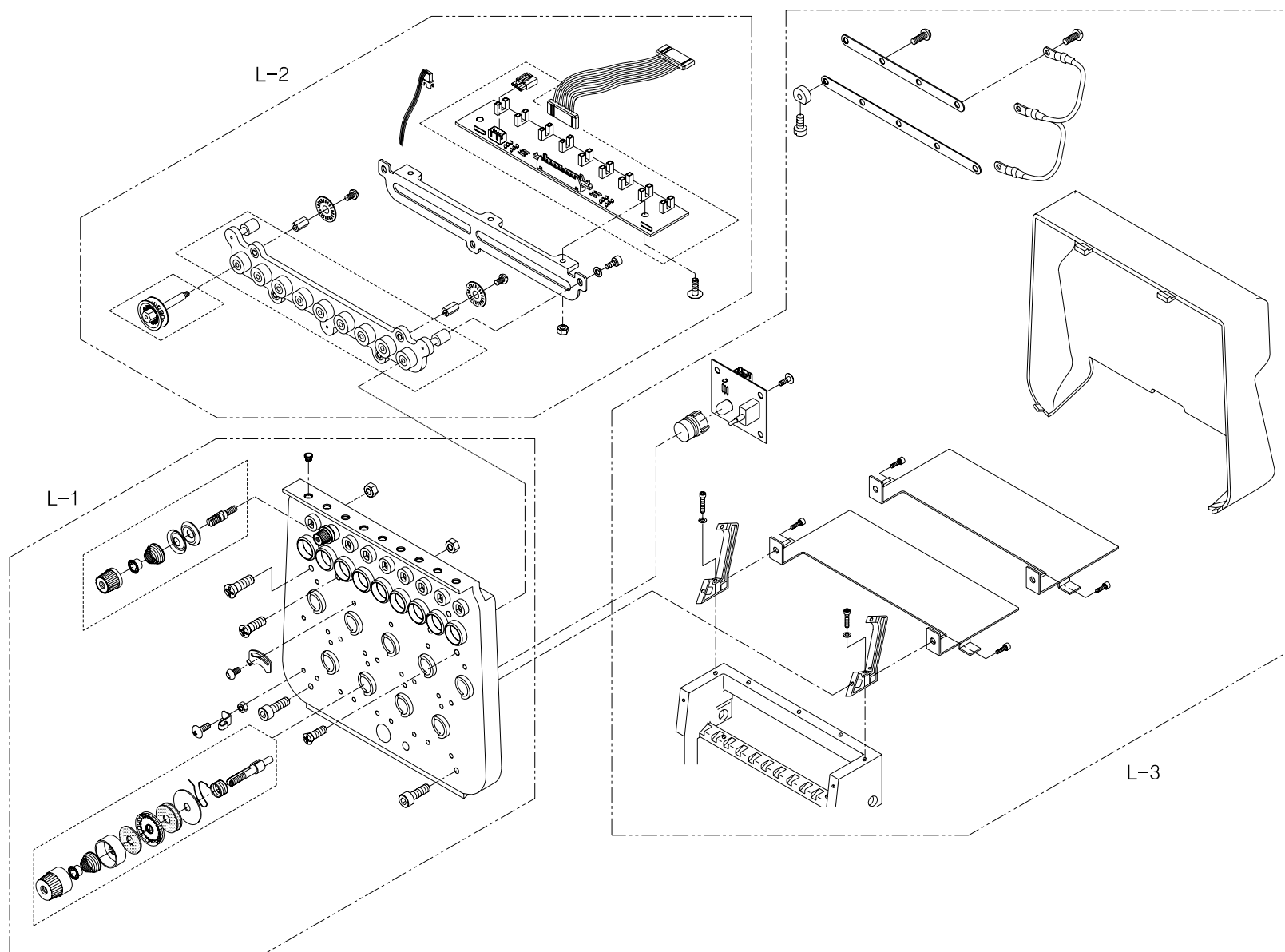
The diagram illustrates the assembly of the K-4 component in three steps:

- 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, while K-4-6, K-4-10, K-4-11, and K-4-12 are used for the side and top connections.
- Side View:** Shows the side plate (K-4-4) being attached to the main body (K-4-1) using screw K-4-5.
- Bottom View:** Shows the bottom plate (K-4-2) being attached to the main body (K-4-1) using screw K-4-3.

Note	
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Thread Tension Unit



L-1

This diagram illustrates the exploded view of the L-1 rear panel assembly. The main component is a large rectangular rear panel with a grid of circular ports. Various screws, washers, and spacers are shown in their respective assembly positions, indicated by dashed lines. The components are labeled as follows:

- L-1-1**: A long screw at the bottom right.
- L-1-2**: A screw at the bottom left.
- L-1-3**: A washer near the bottom left.
- L-1-4**: A washer near the bottom left.
- L-1-5**: A washer near the bottom left.
- L-1-6**: A washer near the bottom left.
- L-1-7**: A screw near the bottom left.
- L-1-8**: A washer near the bottom left.
- L-1-9**: A washer near the bottom left.
- L-1-10**: A washer near the bottom left.
- L-1-11**: A washer near the bottom left.
- L-1-12**: A screw at the top left.
- L-1-13**: A screw at the top left.
- L-1-14**: A washer at the top left.
- L-1-15**: A washer at the top left.
- L-1-16**: A washer at the top left.
- L-1-17**: A washer at the top left.
- L-1-18**: A screw at the top center.
- L-1-19**: A screw at the top right.
- L-1-20**: A screw in the middle left.
- L-1-21**: A screw in the middle left.
- L-1-22**: A screw in the middle left.
- L-1-23**: A screw in the middle left.
- L-1-24**: A screw in the middle left.
- L-1-25**: A screw in the middle left.
- L-1-26**: A screw in the middle left.
- L-1-27**: A screw at the top center.

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. A screw (L-2-3) is used to secure the board to the bracket. A long metal rail (L-2-7) is positioned below the bracket. Several screws (L-2-5, L-2-6, L-2-8, L-2-9, L-2-10) are used to secure the rail and bracket. A circular component (L-2-11) is shown separately at the bottom left, with a dashed line indicating its position on the rail.

Note



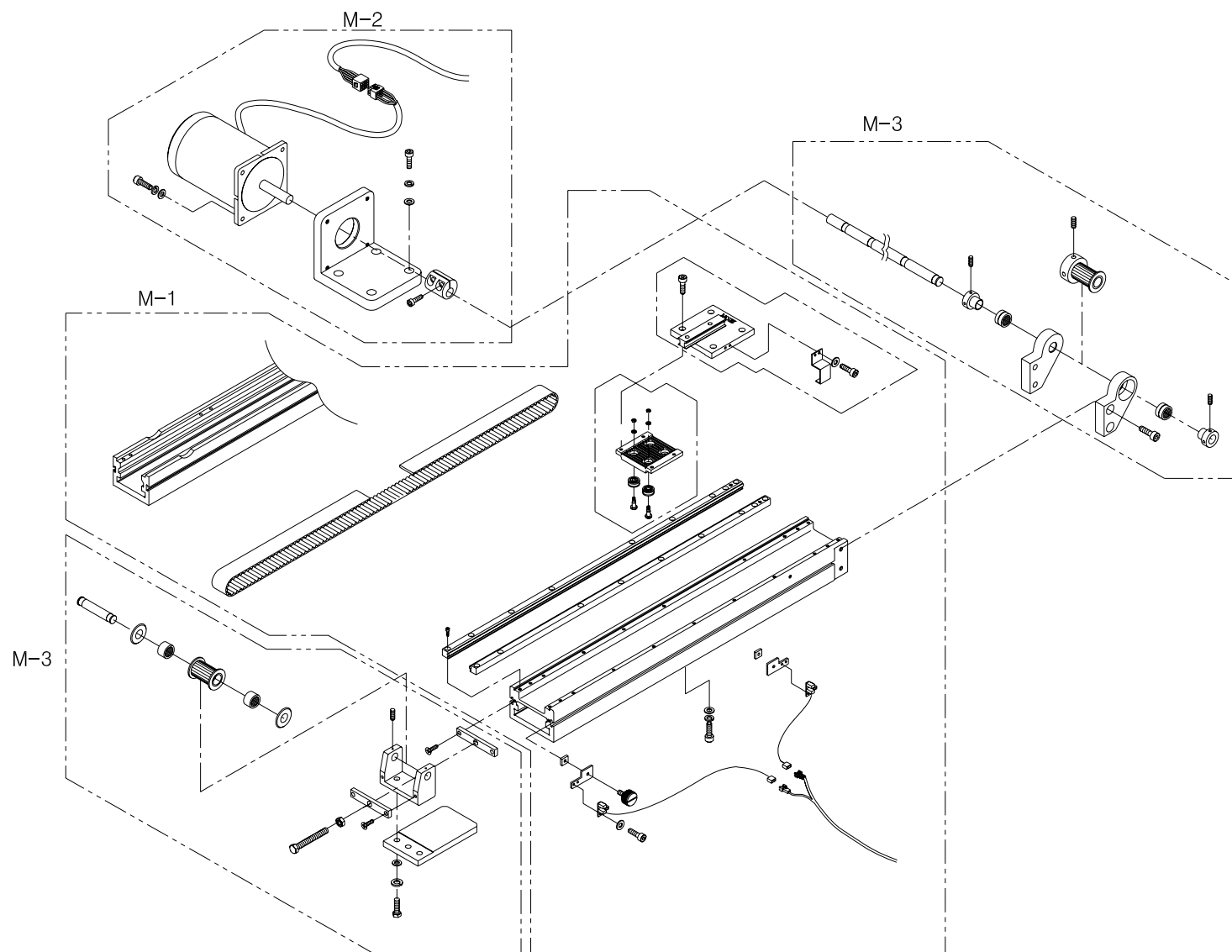
L-3

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

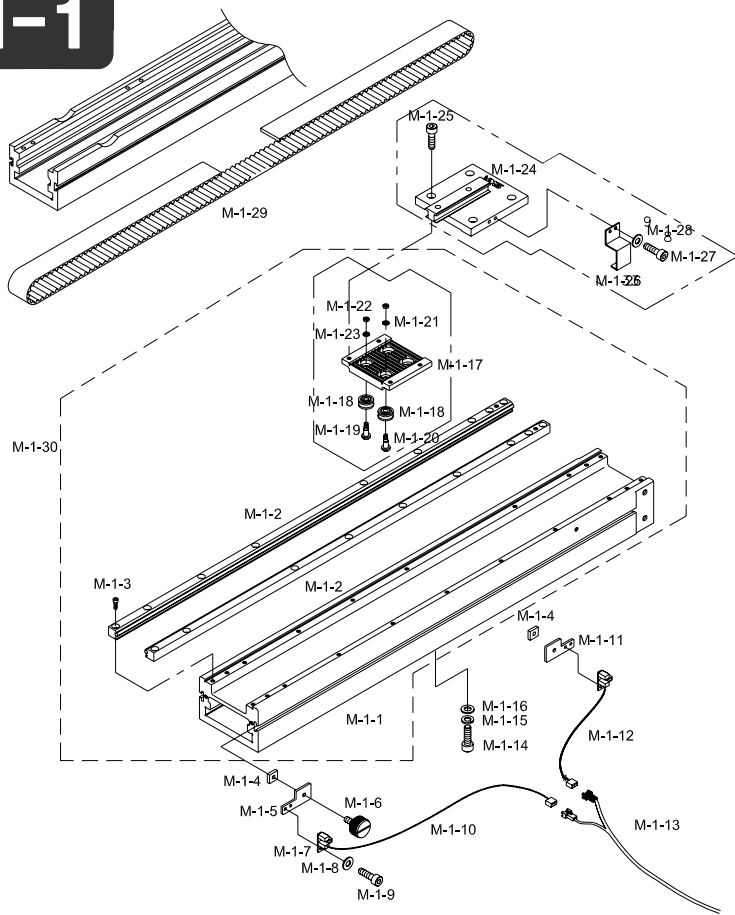
- L-3-10**: The main vertical panel, shown at the top right.
- L-3-11**: A horizontal bar with four mounting holes, shown below L-3-10.
- L-3-12**: A small circular component with a mounting hole, shown to the left of L-3-11.
- L-3-13**: Two long, thin components with mounting holes, shown above L-3-11.
- L-3-14**: A cable with a connector, shown to the right of L-3-11.
- L-1-27**: A small rectangular component, shown to the left of L-3-10.
- L-3-8**: A small rectangular component with a mounting hole, shown below L-1-27.
- L-3-9**: A small circular component with a mounting hole, shown below L-3-8.
- L-3-7**: A small rectangular component with a mounting hole, shown below L-3-9.
- L-3-3**: A large rectangular panel, shown in the center.
- L-3-2**: Two small rectangular components with mounting holes, shown on the left and right sides of L-3-3.
- L-3-1**: A small rectangular component with a mounting hole, shown below L-3-3.
- L-3-6**: A small rectangular component with a mounting hole, shown below L-3-1.
- L-3-5**: A small rectangular component with a mounting hole, shown below L-3-6.
- L-3-4**: A small rectangular component with a mounting hole, shown below L-3-5.

Note

X-Axis Drive System



M-1



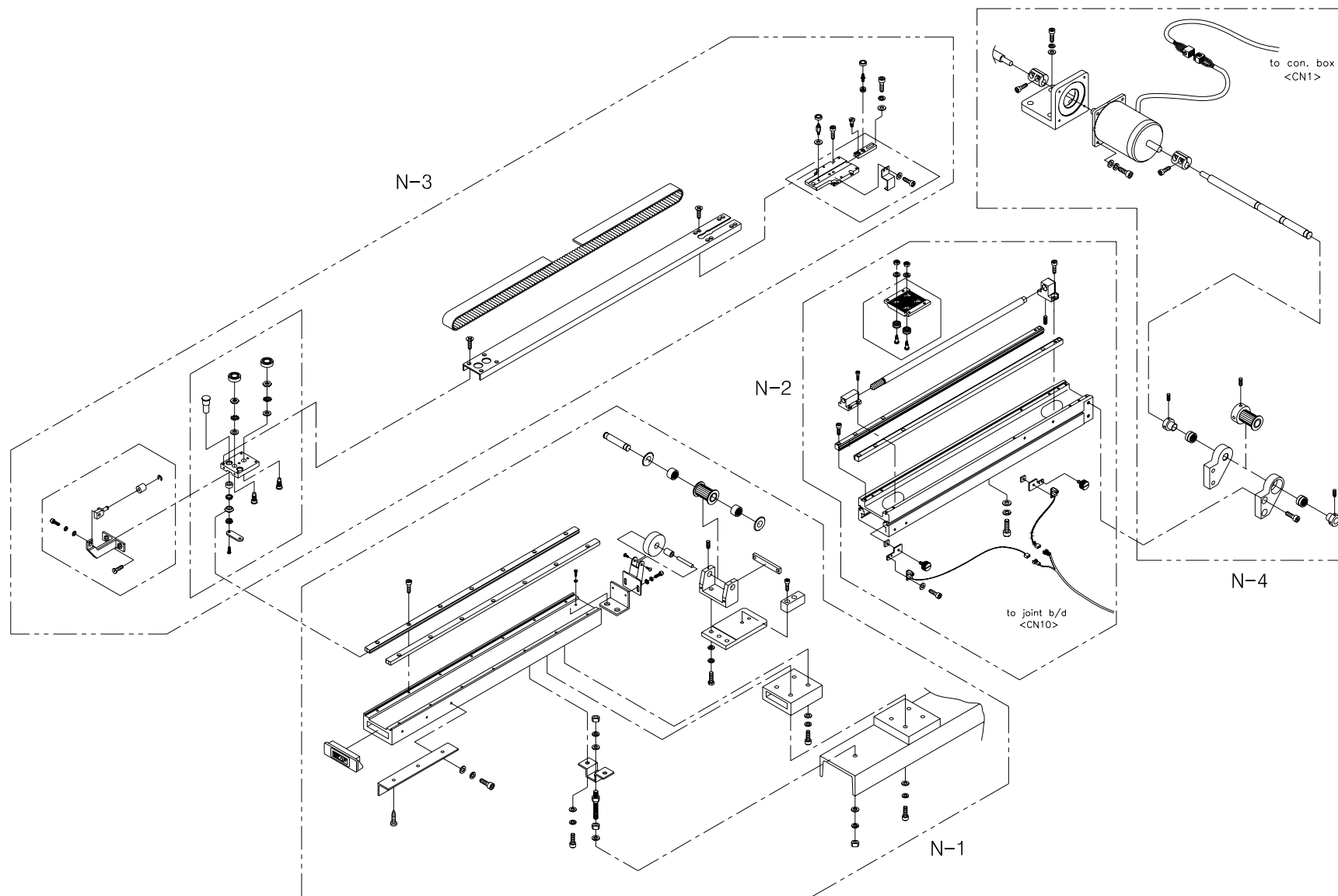
Note

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	

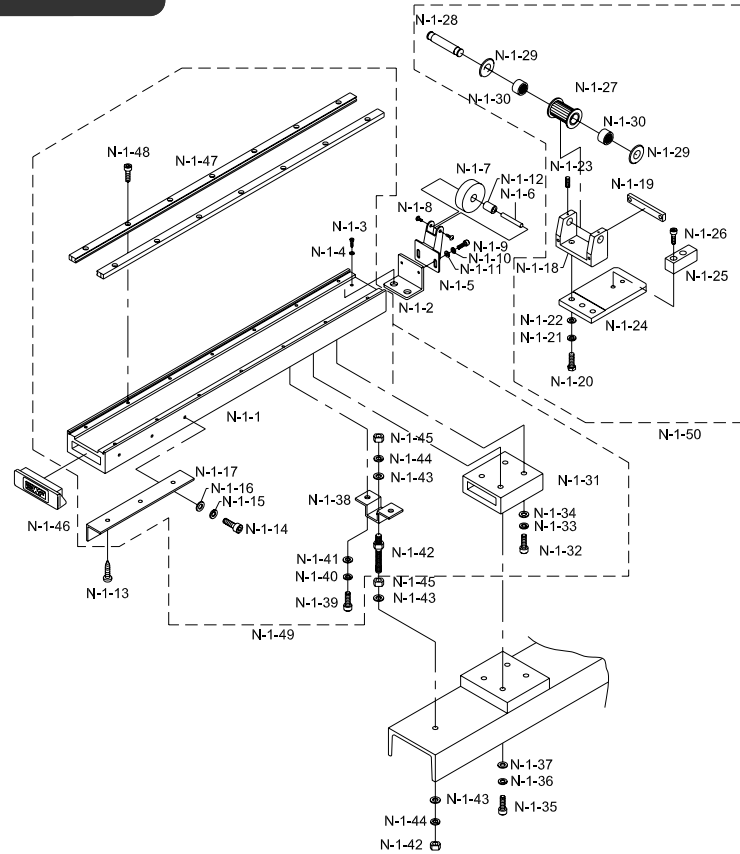
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Y-Axis Drive System



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	

N

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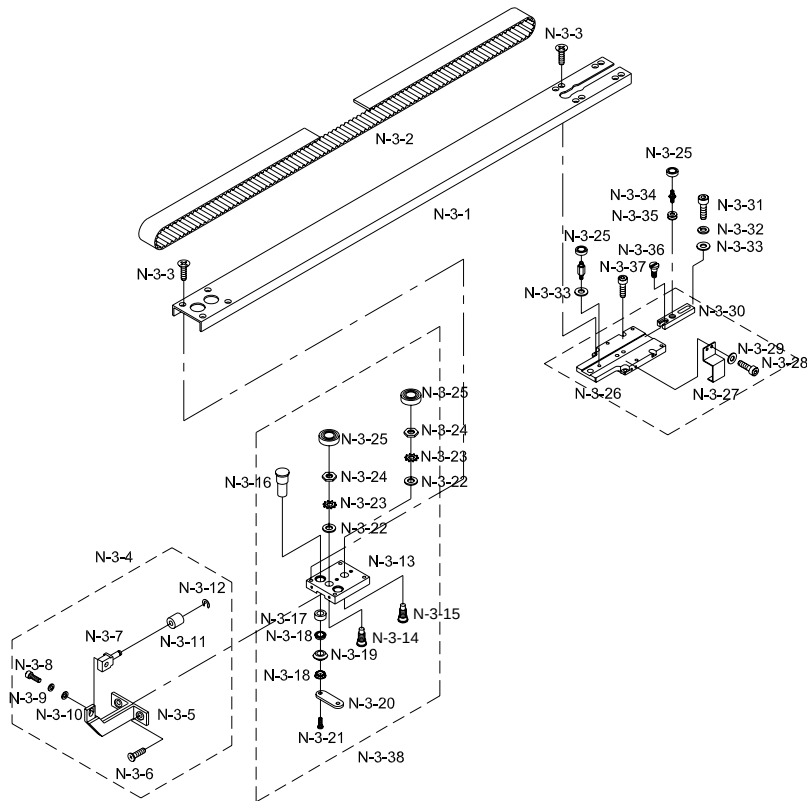
N



Note

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N-3



Note

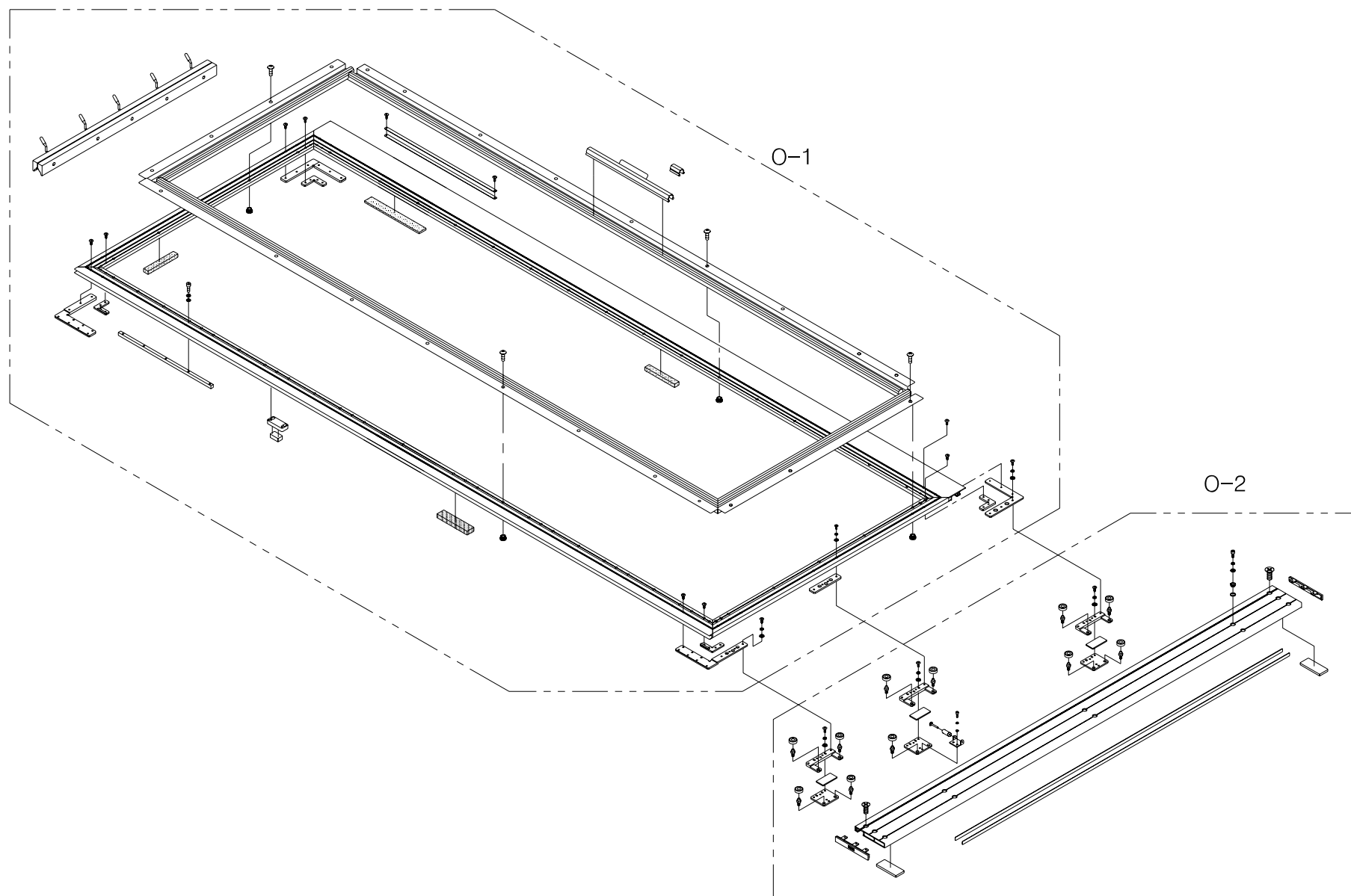
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
N-3-1	GP-021803-00	Connection Cover "C"	Sep,25,06 ~	X		2	
N-3-2	15051BT-A001	Y-Drive Timing Belt (W:35)				2	
N-3-3	PSC-BB003100	C.S Screw (M4*L6)			O	16	
N-3-4	15134BM-B001	Roller Bracket Ass'Y				2	
N-3-5	08000700B000	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:

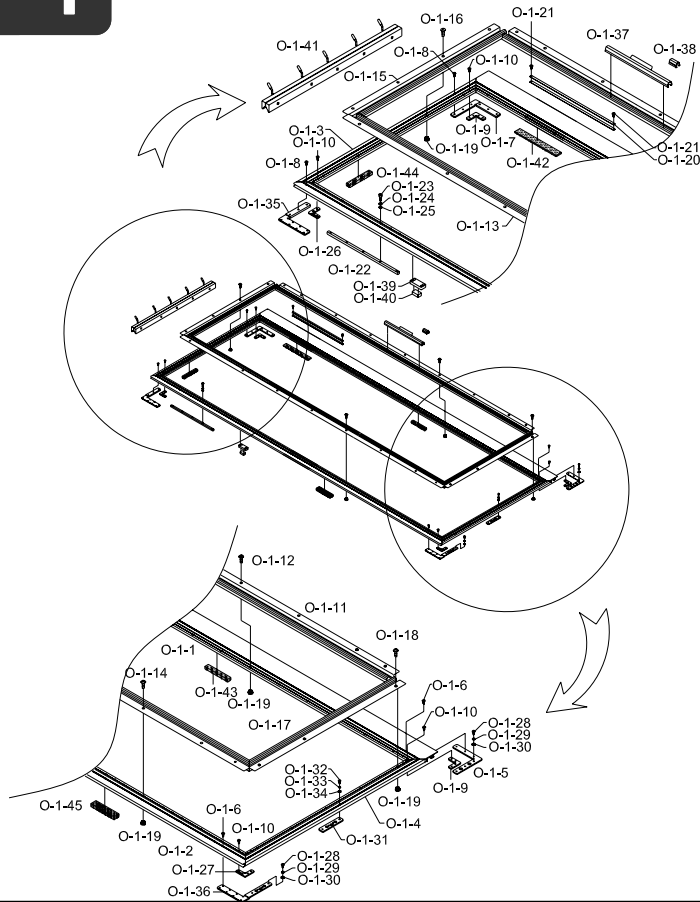
- N-3-1**: Main horizontal support rail.
- N-3-2**: Longitudinal guide rail.
- N-3-3**: Mounting pin for the main rail.
- N-3-4**: Small rectangular component.
- N-3-5**: Mounting bracket for N-3-4.
- N-3-6**: Small cylindrical component.
- N-3-7**: Mounting bracket for N-3-4 and N-3-6.
- N-3-8**: Small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

[illegible]

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-1-6, O-1-10, O-1-14, O-1-32, O-1-33, O-1-34, O-1-19, O-1-14, O-1-31, O-1-28, O-1-29, O-1-30, O-1-5, O-1-9, O-1-27, O-1-36, O-1-45.

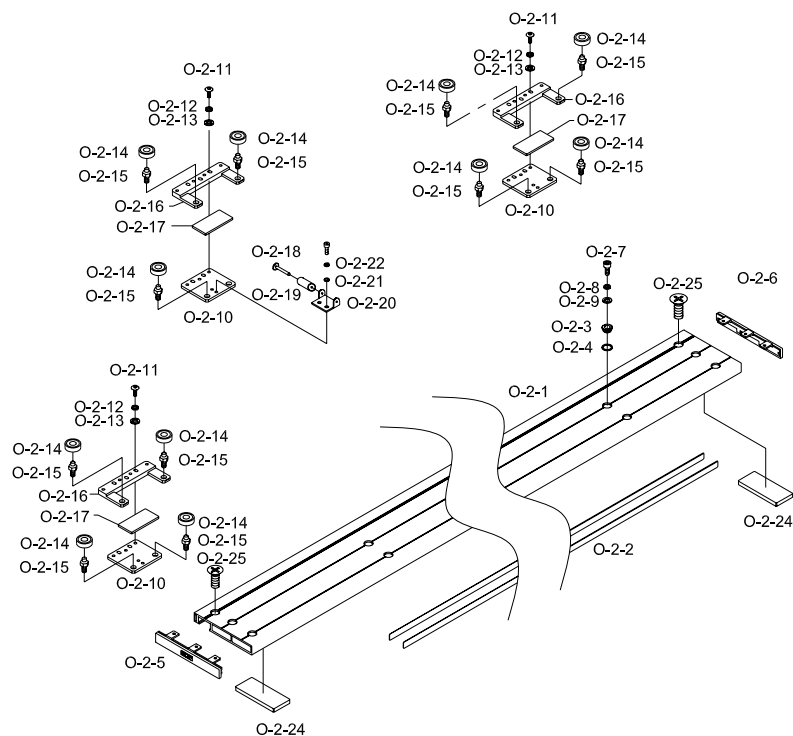
Assembly Sequence:

1. Assemble the base frame (O-1-1, O-1-11, O-1-12, O-1-13, O-1-14, O-1-15, O-1-16, 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-1-11, O-1-12, O-1-13, O-1-14, O-1-15, O-1-16, 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-1-11, O-1-12, O-1-13, O-1-14, O-1-15, O-1-16, 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 front frame (O-1-1, O-1-11, O-1-12, O-1-13, O-1-14, O-1-15, O-1-16, 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).
5. Assemble the back frame (O-1-1, O-1-11, O-1-12, O-1-13, O-1-14, O-1-15, O-1-16, 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

[illegible]

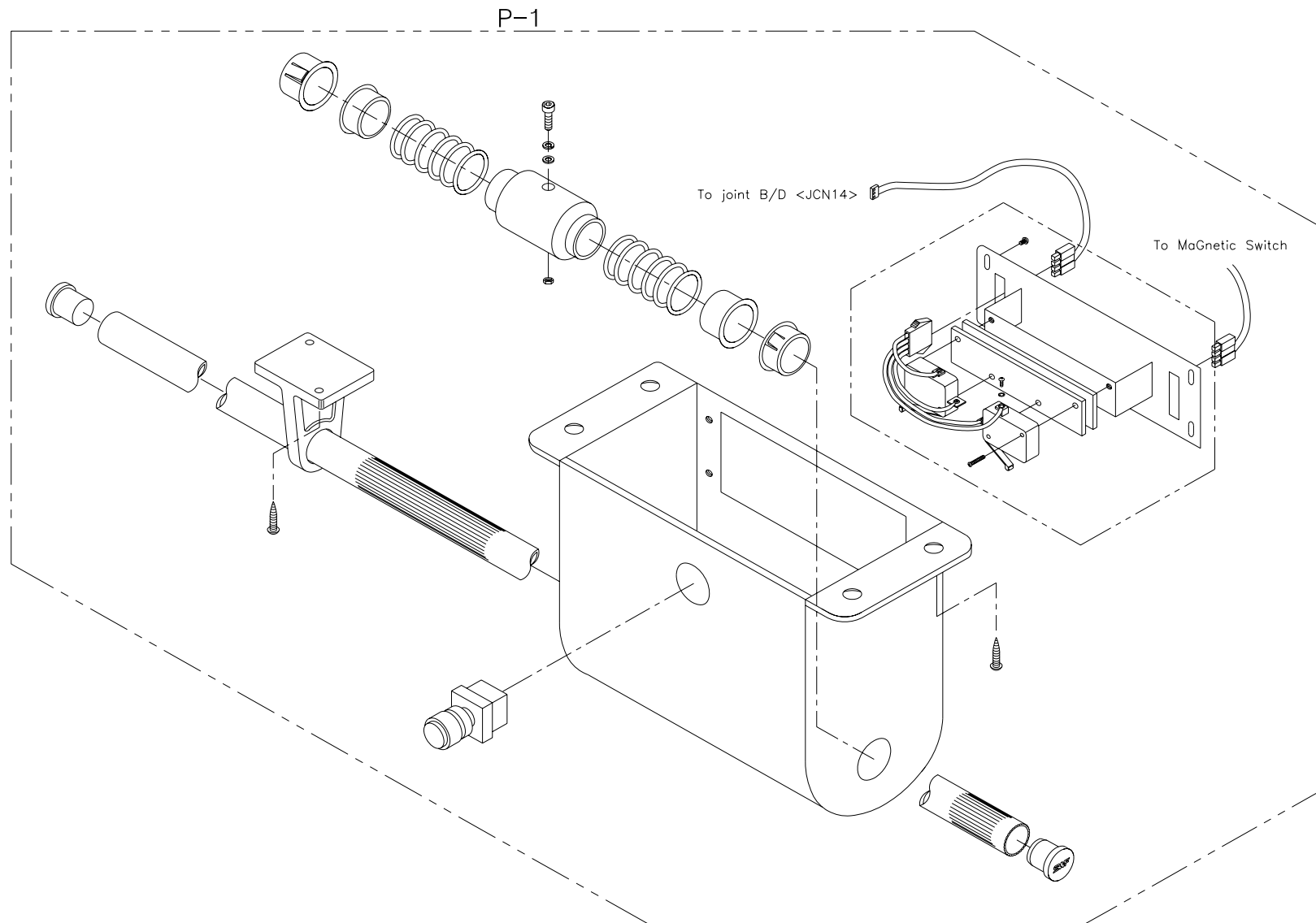
O-2



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



P-1

The diagram illustrates the assembly of the P-1 unit, showing the following components and their assembly sequence:

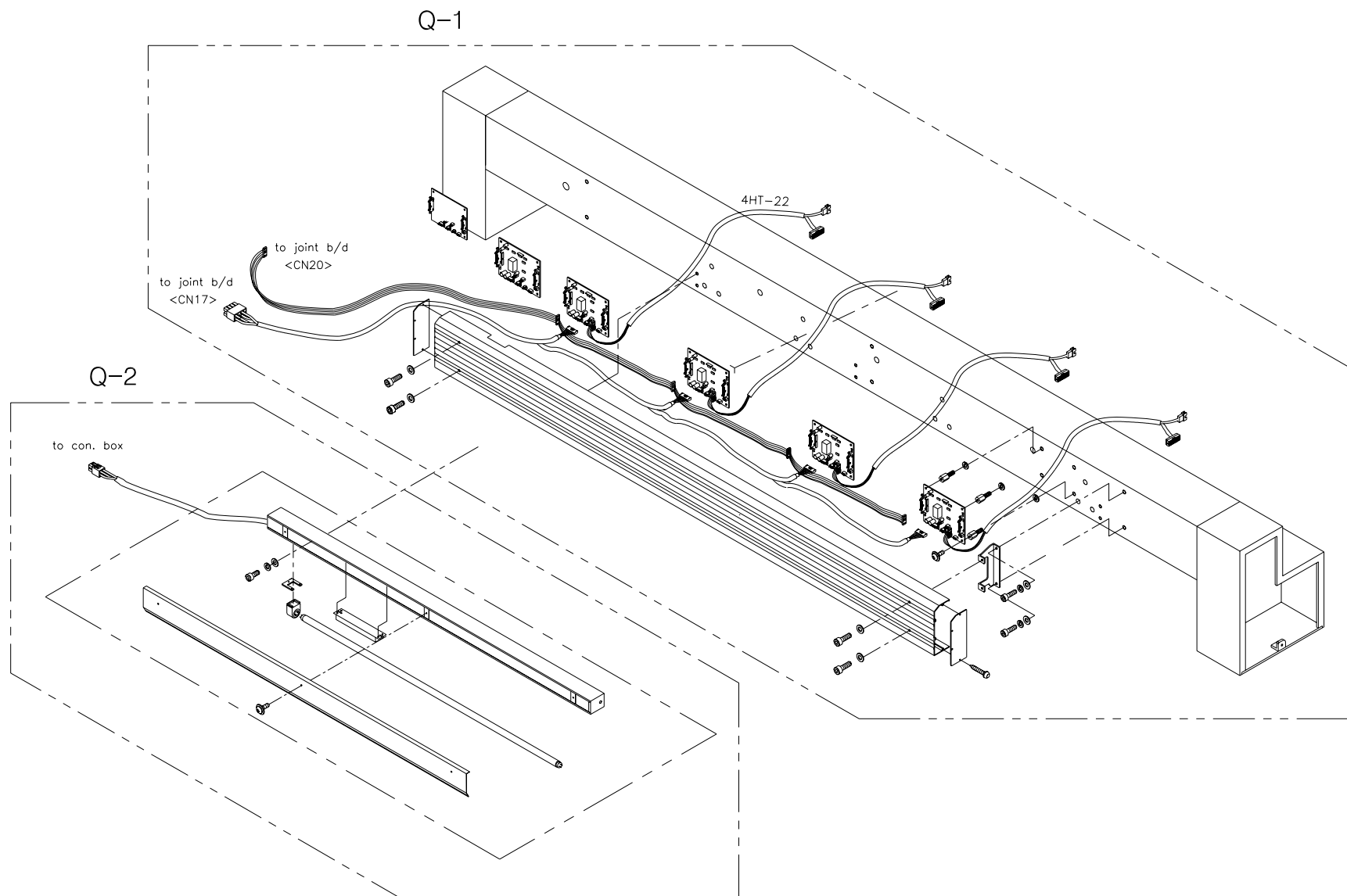
- Base Assembly:** P-1-1 (Screw), P-1-2 (Bracket), P-1-3 (Washer), P-1-11 (Bracket), P-1-17 (Screw), P-1-22 (Bracket), P-1-23 (Bracket).
- Internal Components:** P-1-4 (Bracket), P-1-5 (Bracket), P-1-6 (Bracket), P-1-7 (Bracket), P-1-8 (Bracket), P-1-9 (Bracket), P-1-10 (Bracket), P-1-12 (Bracket), P-1-13 (Bracket), P-1-14 (Bracket), P-1-15 (Bracket), P-1-16 (Bracket), P-1-18 (Bracket), P-1-19 (Bracket), P-1-20 (Bracket), P-1-21 (Bracket), P-1-24 (Bracket).
- Wiring and Connections:** P-1-25 (Wiring), P-1-26 (Wiring), P-1-27 (Wiring).
- Labels:** "To joint B/O <JCN14>", "To Magnetic Switch".

The assembly sequence is indicated by the part numbers and their positions relative to the main assembly.

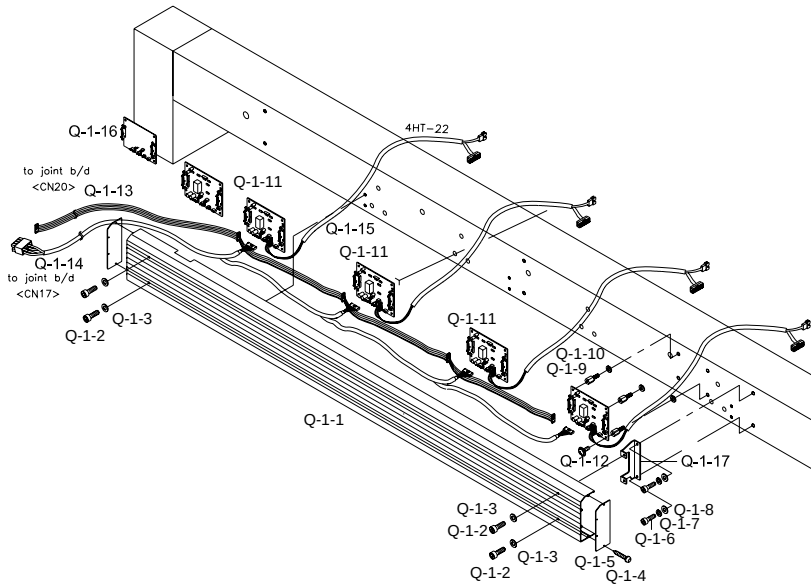
Note

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 diagram illustrates the exploded view of the Q-1-1 cable assembly. The main component is the Q-1-1 cable, which is shown with its various connectors and components. The components are labeled as follows:

- Q-1-1: The main cable assembly.
- Q-1-2: A connector component.
- Q-1-3: A connector component.
- Q-1-4: A connector component.
- Q-1-5: A connector component.
- Q-1-6: A connector component.
- Q-1-7: A connector component.
- Q-1-8: A connector component.
- Q-1-9: A connector component.
- Q-1-10: A connector component.
- Q-1-11: A connector component.
- Q-1-12: A connector component.
- Q-1-13: A connector component.
- Q-1-14: A connector component.
- Q-1-15: A connector component.
- Q-1-16: A connector component.
- Q-1-17: A connector component.
- 4HT-22: A connector component.
- to joint b/d <CN20>: A connector component.
- to joint b/d <CN17>: A connector component.

The diagram shows the assembly points for these components, with lines indicating the connection points. The Q-1-1 cable is shown with its various connectors and components, and the assembly points are indicated by lines and labels.

Note

[illegible]

Q-2

to con. box

This exploded view diagram illustrates the components of the Q-2 lighting fixture. The main assembly consists of a long, rectangular housing (Q-2-2) with a mounting bracket (Q-2-6) and a mounting plate (Q-2-10). A cable (Q-2-1) is connected to the housing. The mounting plate (Q-2-10) is secured with screws (Q-2-3, Q-2-4, Q-2-5) and a bracket (Q-2-12). A small component (Q-2-9) is also shown. The mounting bracket (Q-2-6) is secured with a screw (Q-2-7). The diagram shows the housing (Q-2-2) and the mounting plate (Q-2-10) being assembled onto the mounting bracket (Q-2-6).

Q-2-1

Q-2-2

Q-2-3

Q-2-4

Q-2-5

Q-2-6

Q-2-7

Q-2-8

Q-2-9

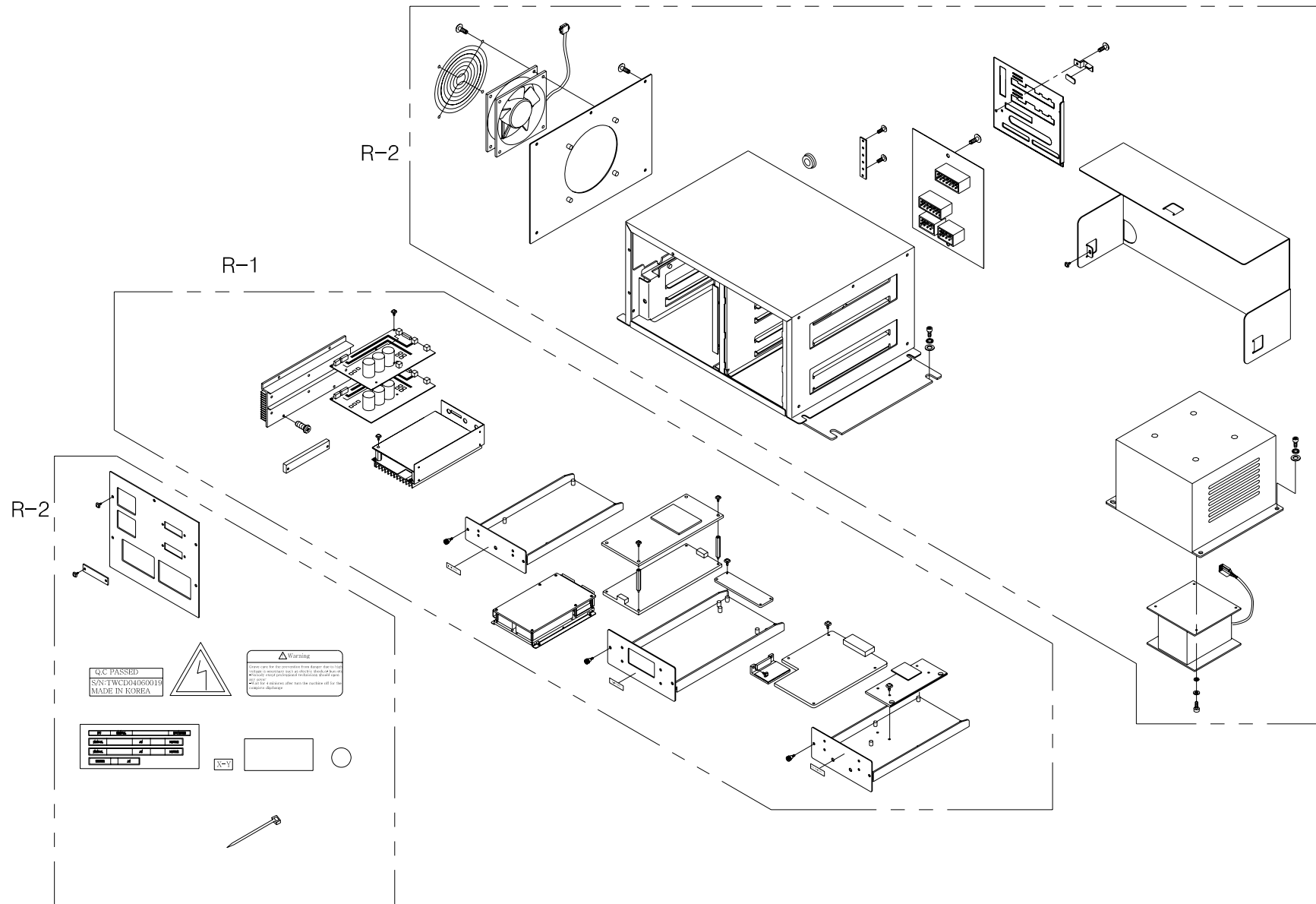
Q-2-10

Q-2-12

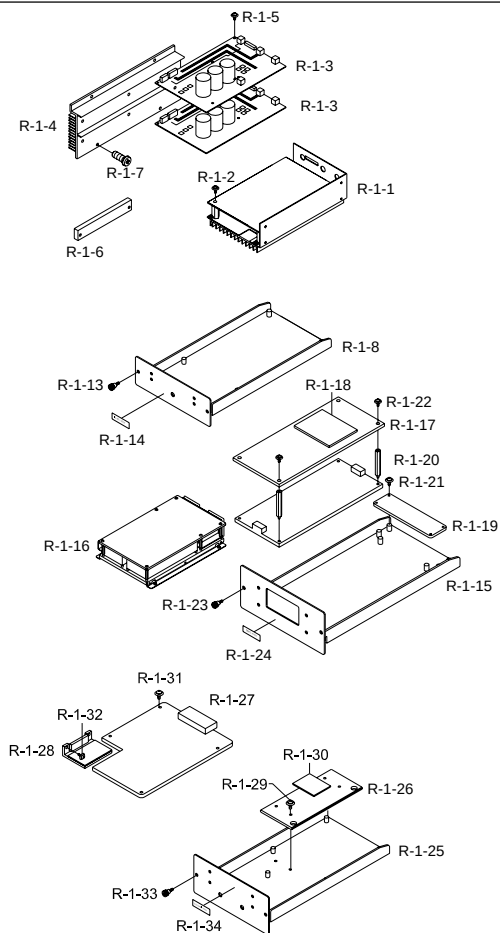
Note



Main Controller



R-1

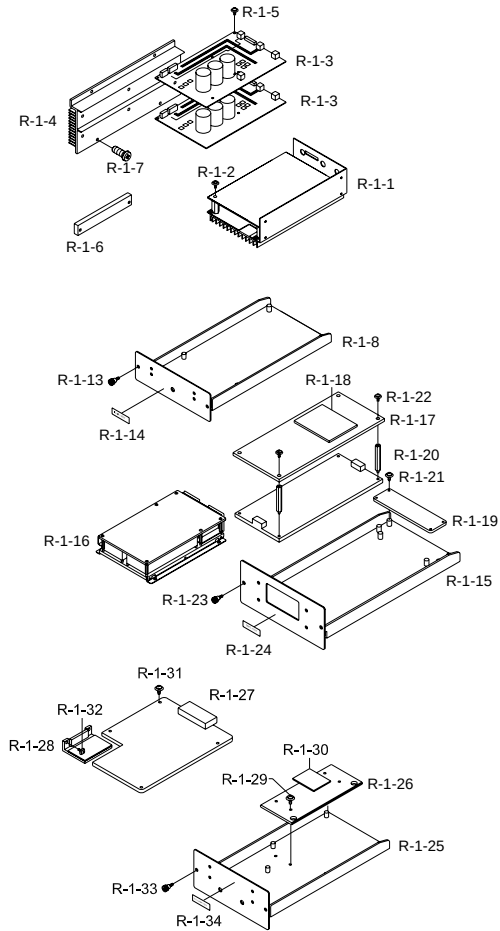


Note

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

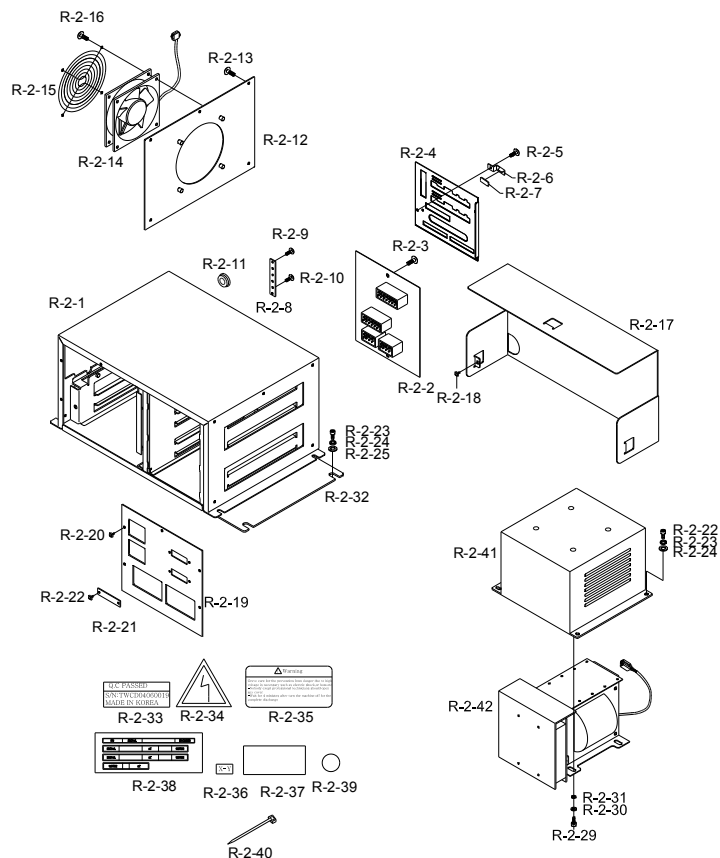


Note

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 (캠터브)	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 (캠터브)	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 (캠터브)	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:

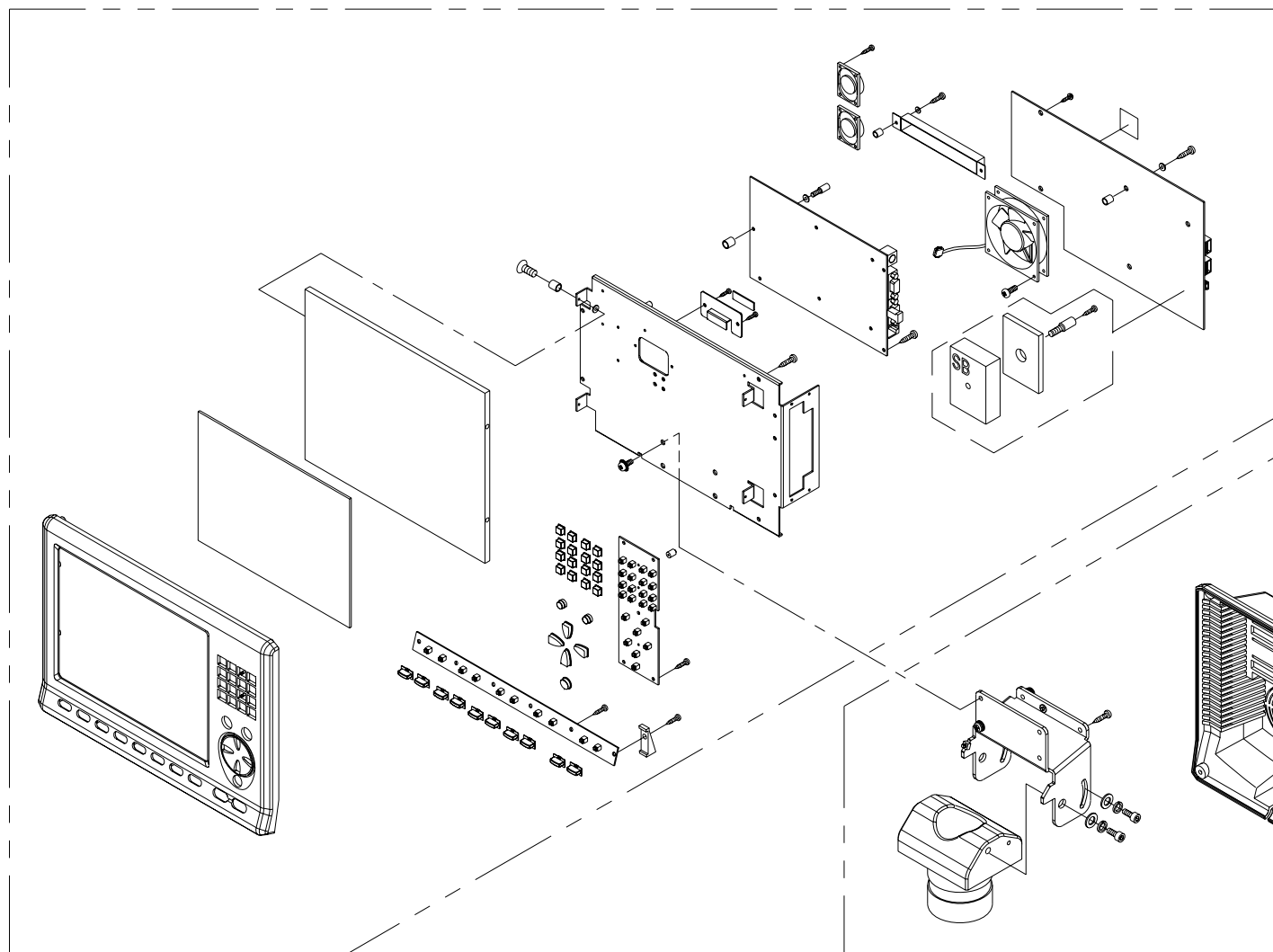
- Top Panel Assembly:** R-2-16 (fan), R-2-15 (fan cage), R-2-14 (fan bracket), R-2-13 (screw), and R-2-12 (top panel).
- Front Panel Assembly:** R-2-4 (I/O panel), R-2-5 (screw), R-2-6 (screw), R-2-7 (screw), R-2-3 (I/O panel bracket), R-2-2 (I/O panel bracket), R-2-18 (screw), and R-2-17 (front panel).
- Chassis Assembly:** R-2-1 (main chassis), R-2-9 (screw), R-2-11 (screw), R-2-10 (bracket), R-2-8 (bracket), R-2-23 (screw), R-2-24 (screw), R-2-25 (screw), R-2-32 (bracket), R-2-20 (I/O panel), R-2-22 (screw), R-2-21 (screw), and R-2-19 (I/O panel).
- Power Supply Assembly:** R-2-41 (power supply unit), R-2-22 (screw), R-2-23 (screw), R-2-24 (screw), and R-2-25 (screw).
- Internal Components:** R-2-38 (PCI card), R-2-39 (PCI card), R-2-36 (PCI card), R-2-37 (PCI card), R-2-35 (warning label), R-2-34 (warning label), R-2-33 (warning label), R-2-29 (screw), R-2-30 (screw), R-2-40 (screw), and R-2-42 (power supply bracket).

Note

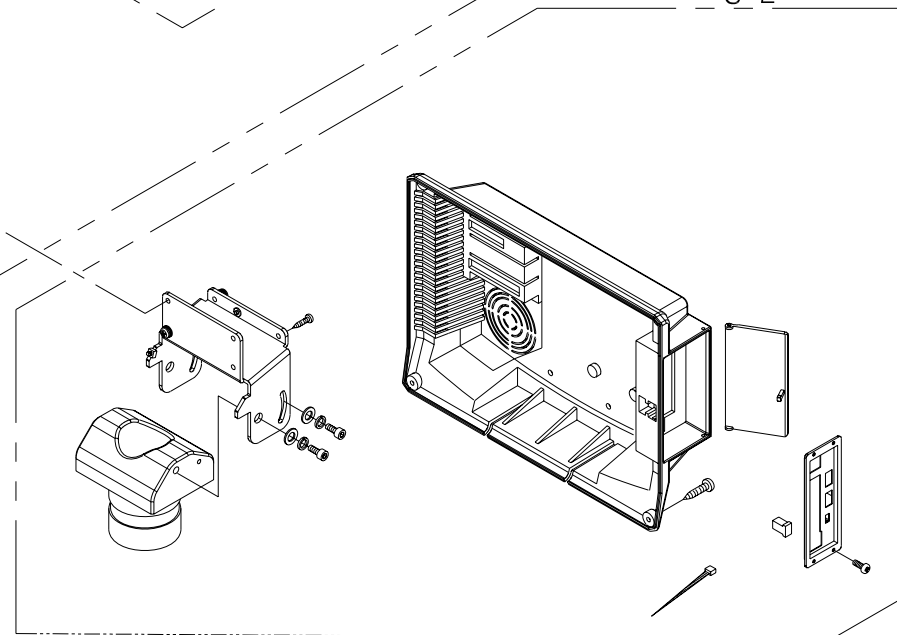


Operation Box

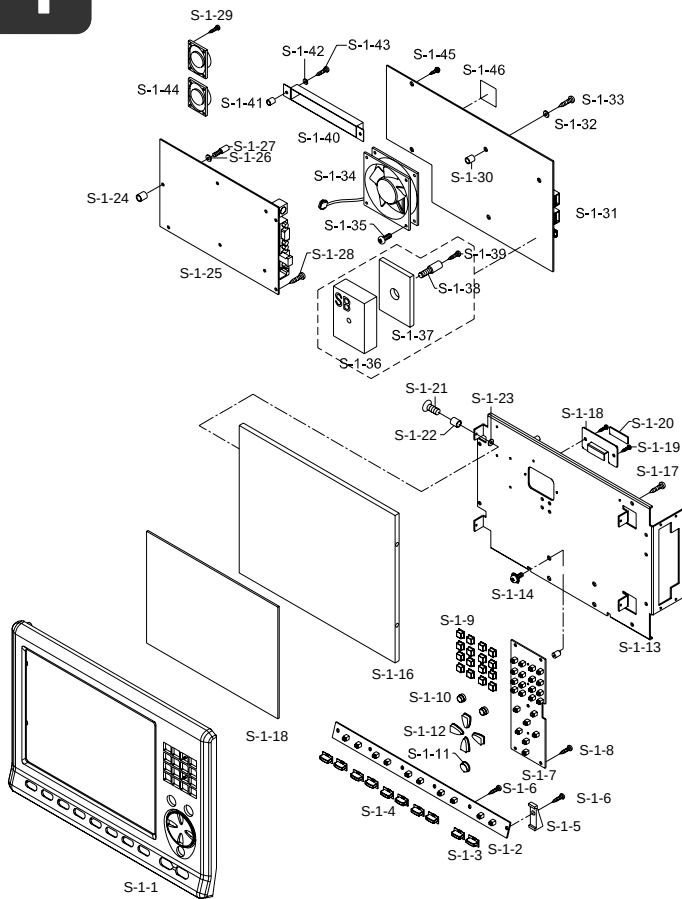
S-1



S-2



S-1

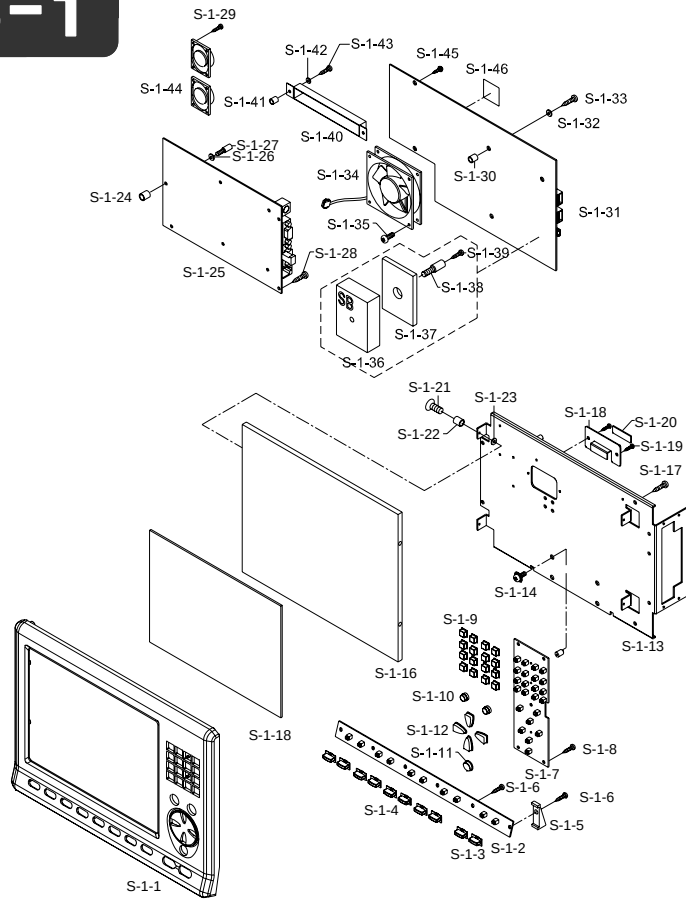


Note

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 ~	△			

Q

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 ~	△			

Q

S-1

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

- S-1-1**: The main stereo unit with a display screen and control buttons.
- S-1-2** through **S-1-4**: A row of small electronic components, likely capacitors or resistors, mounted on a common rail.
- S-1-6** through **S-1-11**: Various small electronic components, including integrated circuits and resistors, mounted on a printed circuit board (PCB).
- S-1-12** through **S-1-14**: Additional small electronic components.
- S-1-16**: A large rectangular component, possibly a speaker or a filter, mounted on the back of the unit.
- S-1-18**: A rectangular component, likely a speaker or a filter, mounted on the back of the unit.
- S-1-21** through **S-1-23**: Small electronic components mounted on the back of the unit.
- S-1-24** through **S-1-31**: Various components including a fan, a power switch, and other electronic parts.
- S-1-32** through **S-1-39**: Additional components, including a power switch and other electronic parts.
- S-1-40** through **S-1-46**: Components including a fan, a power switch, and other electronic parts.
- S-1-47** through **S-1-50**: Additional components, including a power switch and other electronic parts.

Note

Q

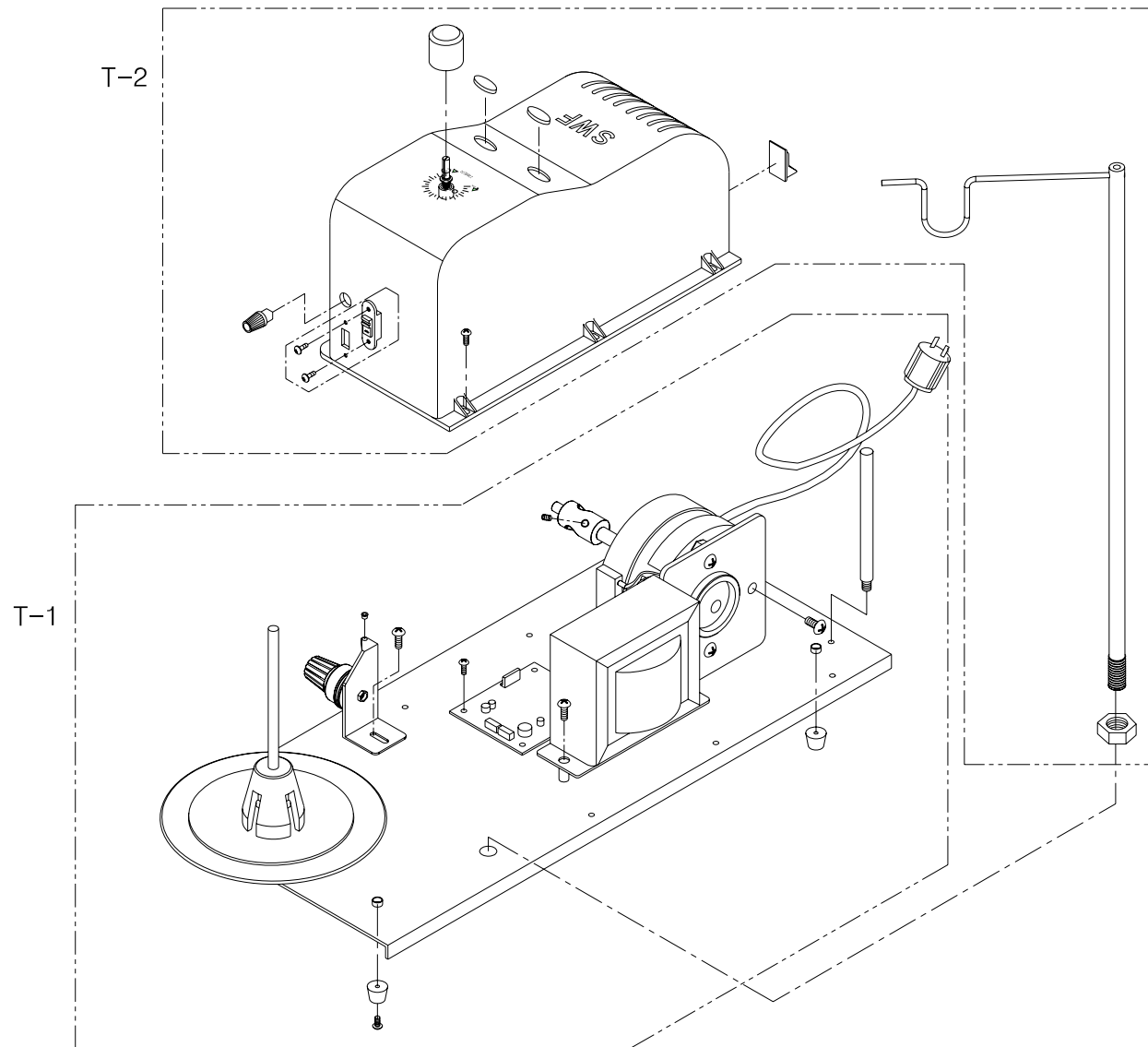
S-2

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 small component, S-2-13, is shown below the side panel. A small component, S-2-14, is shown to the right of the side panel. A small component, S-2-12, is shown below the side panel.

Note



Bobbin Winder



T-2

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

- T-1-1**: The 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 cylindrical component on the rod.
- T-1-5**: A larger cylindrical component on the rod.
- T-1-6**: A rectangular component mounted on the base plate.
- T-1-7**: A screw securing the rectangular component to the base plate.
- T-1-8**: A small rectangular component on the base plate.
- T-1-9**: Multiple screws used for assembly, including one for the rectangular component and others for the base plate.
- T-1-10**: A small rectangular component on the base plate.
- T-1-11**: A knob or adjustment screw on the side of the base plate.
- T-1-12**: A small cylindrical component on the side of the base plate.
- T-1-13**: A curved component mounted on the side of the base plate.
- T-1-14**: A screw securing the curved component to the base plate.
- T-1-15**: A small cylindrical component on the side of the base plate.
- T-1-16**: A small cylindrical component on the side of the base plate.
- T-1-17**: A long vertical rod passing through the base plate.
- T-1-18**: A small cylindrical component on the base plate.
- T-1-19**: A small cylindrical component on the base plate.

Note



T-2

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

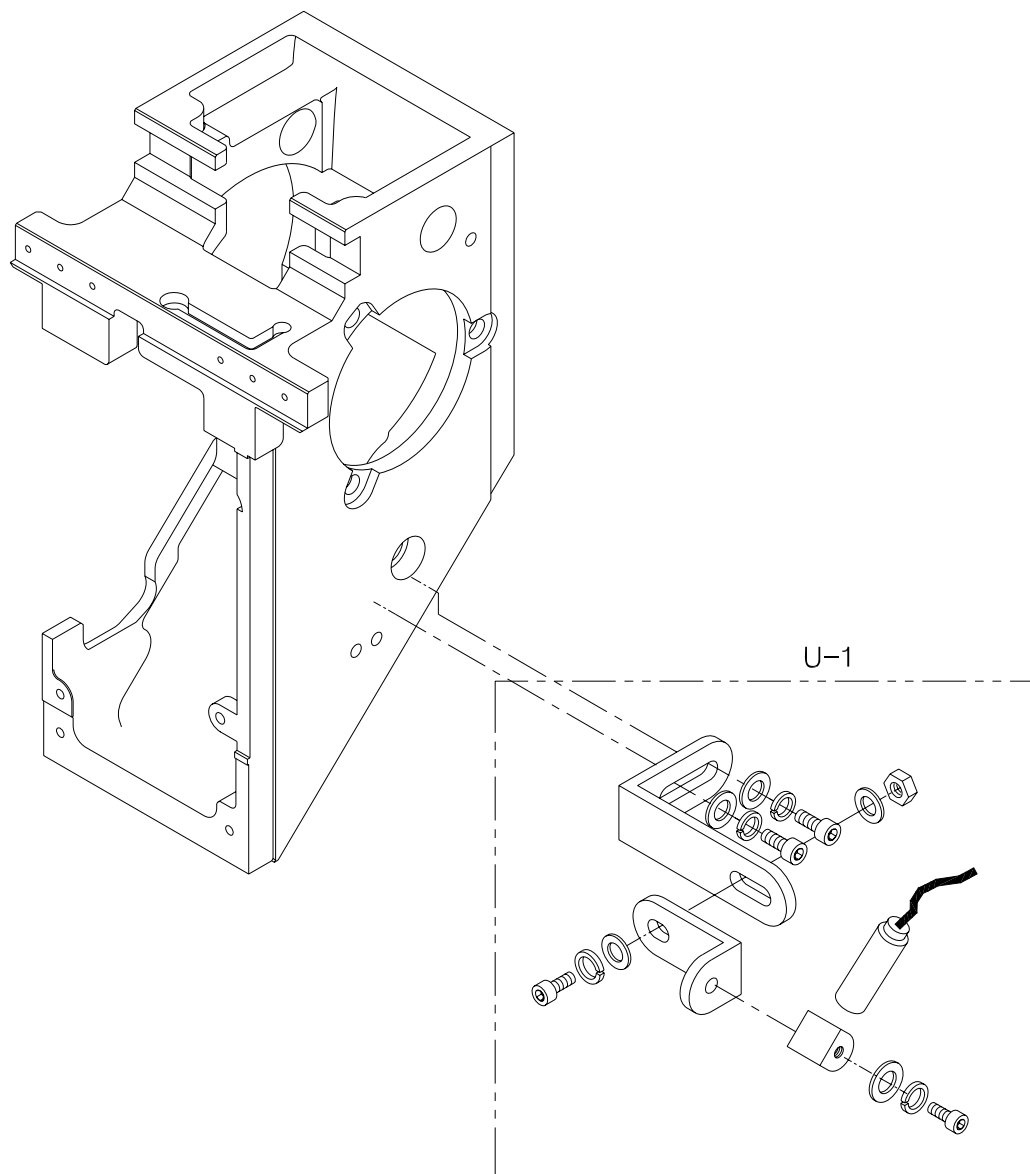
- T-2-1**: A long horizontal support rail.
- T-2-2**: A screw used to secure the rail to the base.
- T-2-3**: A vertical support post.
- T-2-4**: A screw for the side panel.
- T-2-5**: A screw for the side panel.
- T-2-6**: A screw for the top panel.
- T-2-7**: A cap for the top panel.
- T-2-8**: A washer or spacer for the top panel.
- T-2-9**: A washer or spacer for the top panel.
- T-2-10**: A U-shaped bracket for the top panel.
- T-2-11**: A vertical support post with a base flange.

The unit is shown with a top panel featuring a wavy pattern and the text "SWF". The side panel has a handle and a lock mechanism. The base is a rectangular platform with mounting points for the rail and 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 large rectangular frame or housing.
- U-1-2: A small cylindrical component.
- U-1-3: A small cylindrical component.
- U-1-4: A small cylindrical component.
- U-1-5: A small cylindrical component.
- U-1-6: A small cylindrical component.
- U-1-7: A small cylindrical component.
- U-1-8: A small cylindrical component.
- U-1-9: A small cylindrical component.
- U-1-10: A small cylindrical component.
- U-1-11: A small cylindrical component.

The diagram shows the U-2 component being assembled into the U-1-1 frame. The exploded view shows the U-2 component being inserted into the U-1-1 frame, with the U-1-2, U-1-3, U-1-4, U-1-5, U-1-6, U-1-7, U-1-8, U-1-9, and U-1-10 components being inserted into the U-2 component. The U-1-11 component is shown as a separate part.

Note

[illegible]

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WS-000127-00	Lever Washer	29	F-1-10
WS-000549-00	Stud Bolt Washer	47	J-1-17
WS-000549-01	Stud Bolt Washer	47	J-1-17
-	Wick	36	H1-1-22
-	Wick	38	H1-3-14

[illegible][illegible]