

PARTS BOOK

Small-Head E-Series

E-WD904-75

PME-110725

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.

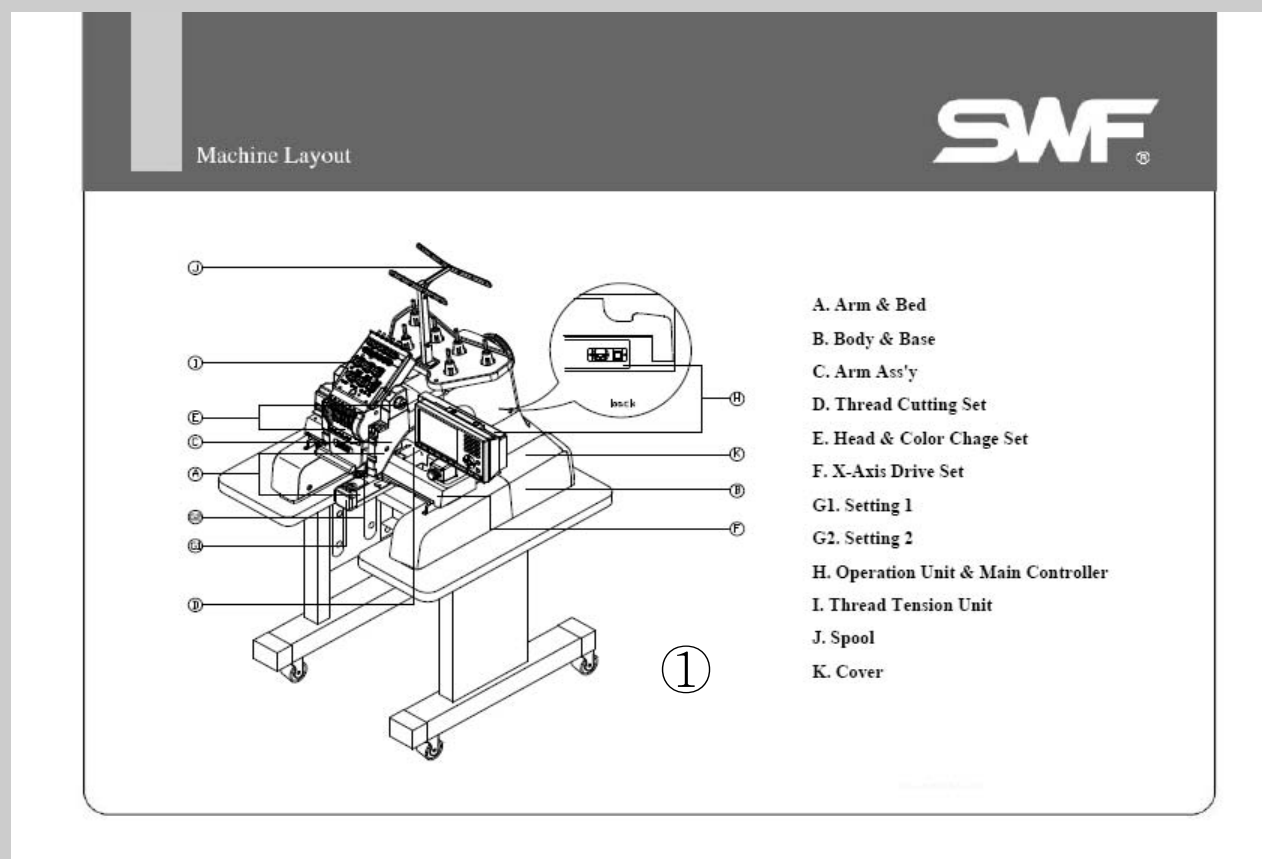
- 1) Machine Layout
- 2) Section
- 3) Part List

※Consumable parts shall not be guaranteed even in warranty period.

Information

A. Structure of Part Book

1. Machine Layout

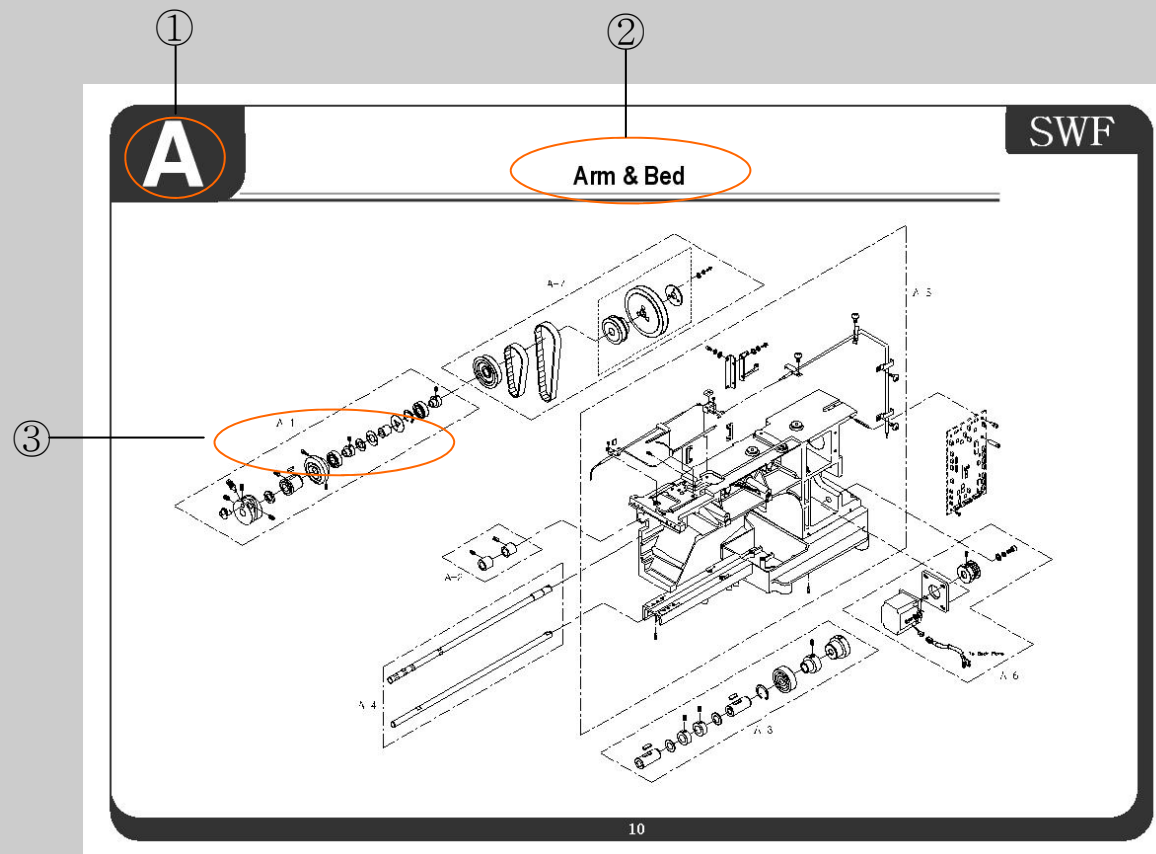


Information

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 Ref No	④ Part No	⑤ Part Name	⑥ Applied Period	⑦ Interchangeability	⑧ Hardware	⑨ Qty	⑩ Remark
A-1-1	0101SCM-T900	Two-up Lever Driving Cam	Oct-08-07 ~ Oct-08-07			1	
A-1-2	02-033421-00	Two-up Lever Driving Cam		X		1	
A-1-3	01017CW-T121	Cam Screw (8/32x20L=17)				1	
A-1-4	01016SC-4313	Screw (1/8x3/8x20 L=7.5)			O	1	
A-1-5	01016SC-4313	Hex. Socket Set Screw (1/4" 20x40 L=4.5)				1	
A-1-6	01020RR-A001	Washer				2	
A-1-7	01020RR-A001	Washer				1	
A-1-8	01020RR-T900	Needle Bar Crank				1	
A-1-9	01012MP-T121	Upper Shaft Bushing (H)				1	
A-1-10	01004SC-4317	Screw (1/8x3/8x20 L=14)			O	3	
A-1-11	01014SP-T121	Pelt				1	
A-1-12	01013CM-CT01	Presser Foot Driving Cam				1	
A-1-13	04012AP-A001	Screw (1/8x3/8x20)			O	3	
A-1-14	11098SC-4313	Screw (M4xL20)			O	1	
A-1-15	01020RR-A001	Washer (600422)				1	
A-1-16	010000001000	Rearizer Collar				2	
A-1-17	04012AP-A001	Screw (1/8x3/8x20)			O	3	
A-1-18	WS-00018R-00	Washer				1	
A-1-19	CL-000097-00	Code Wheel				1	
A-1-20	CL-000097-00	Collar				1	
A-1-21	01016SC-4313	Screw (1/8x3/8x20)			O	1	
A-1-22	01016SC-4313	C-Roller (H477)			O	1	
A-1-23	01016SC-4313	Rearizer (600422)				1	

Note) * : Checks the timing of application.

① Index Number
Ex) A-1, A-2...

② Part 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.

Interchangeability		
O	X	△
Old -> New: OK New -> Old : OK	Old -> New: NO New -> Old : No	Old -> New: OK New -> Old : No

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

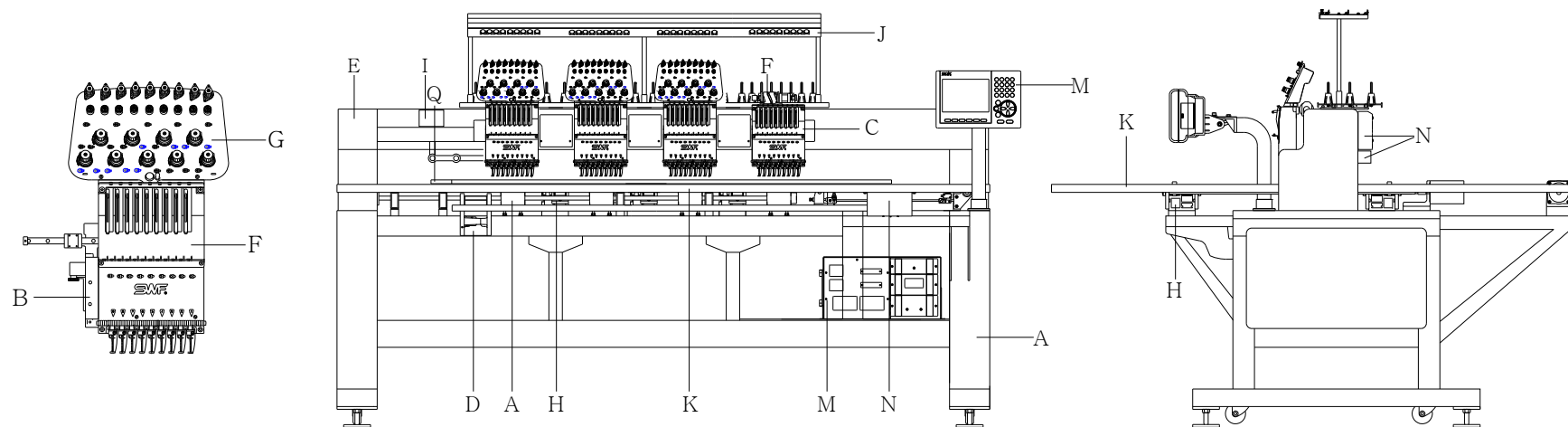
⑩ Remark

⑪ Index Number

⑫ 조 및 프레스폼 ...

Set & Press Part ...

Machine Layout



A. Beam Body & Bed

B. Arm1

C. Arm 2

D. Thread Cutting Drive System

E. Main Drive System

F. Head

G. Thread Tension Unit

H. XY-Axis Drive System

I. Setting

J. Thread Stand

K. Work-Table

L. Cable

M. Con box & OP box

N. Lamp & Switch

O. Bobin Winder

P. Cover

Q. Frame

R. Option (Laser)

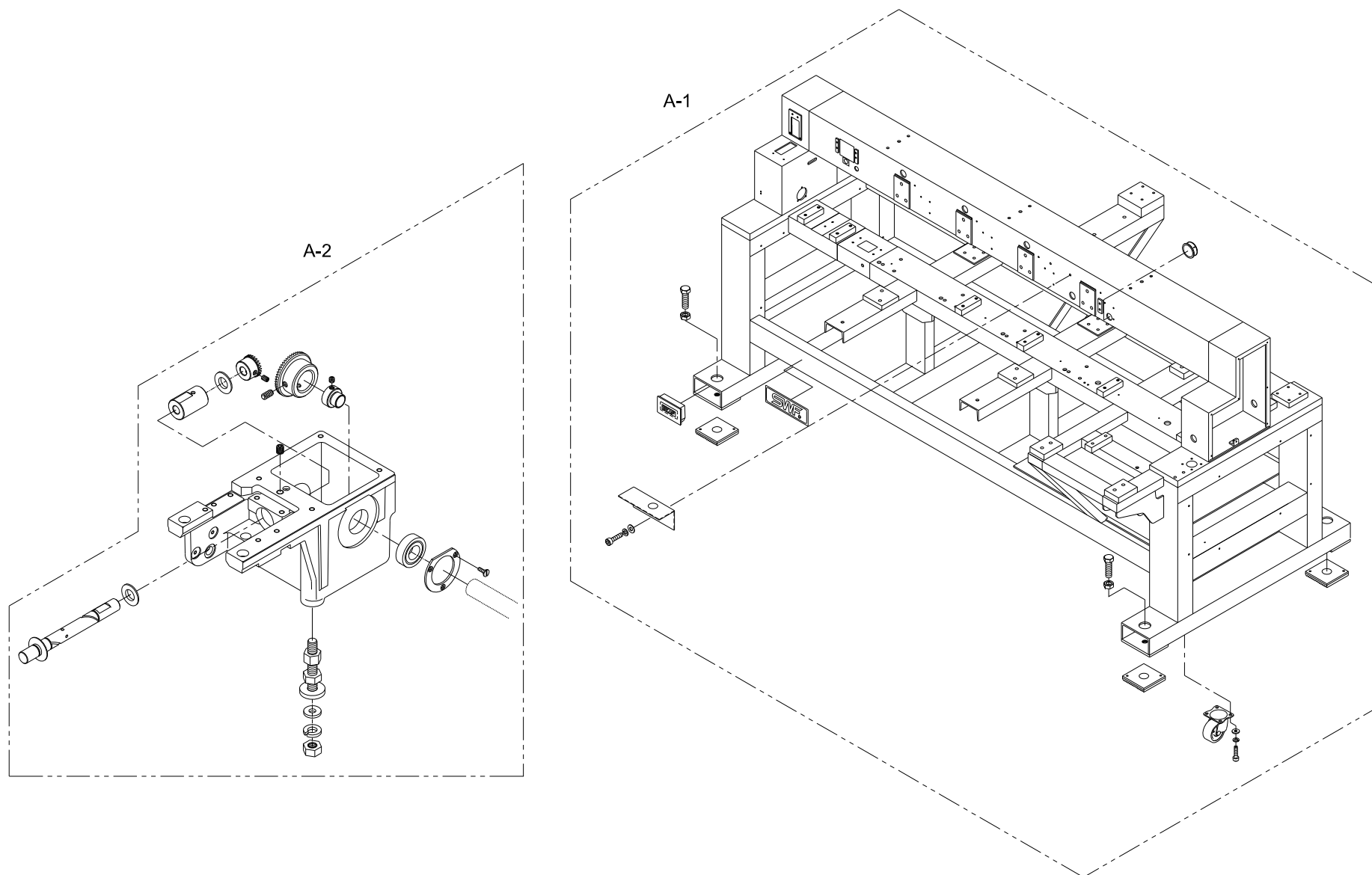


CONTENT

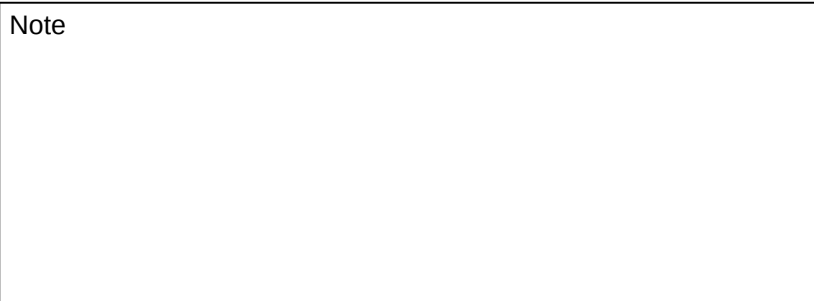
A	Beam Body & Bed	10
B	Arm 1	13
C	Arm 2	20
D	Thread Cutting Set	24
E	Main Drive System	30
F	Head & Color Change	35
G	Thread Tension Unit	42
H	X-Y Drive	46
I	Setting	56

J	Spool	62
K	Table	65
L	Cable	68
M	Con Box & O/P Box	71
N	Lamp & Switch	78
O	Bobbin Winder	81
P	Cover	84
Q	Frame	87
R	Option (Laser)	91
S	Index	93

Beam Body & Bed



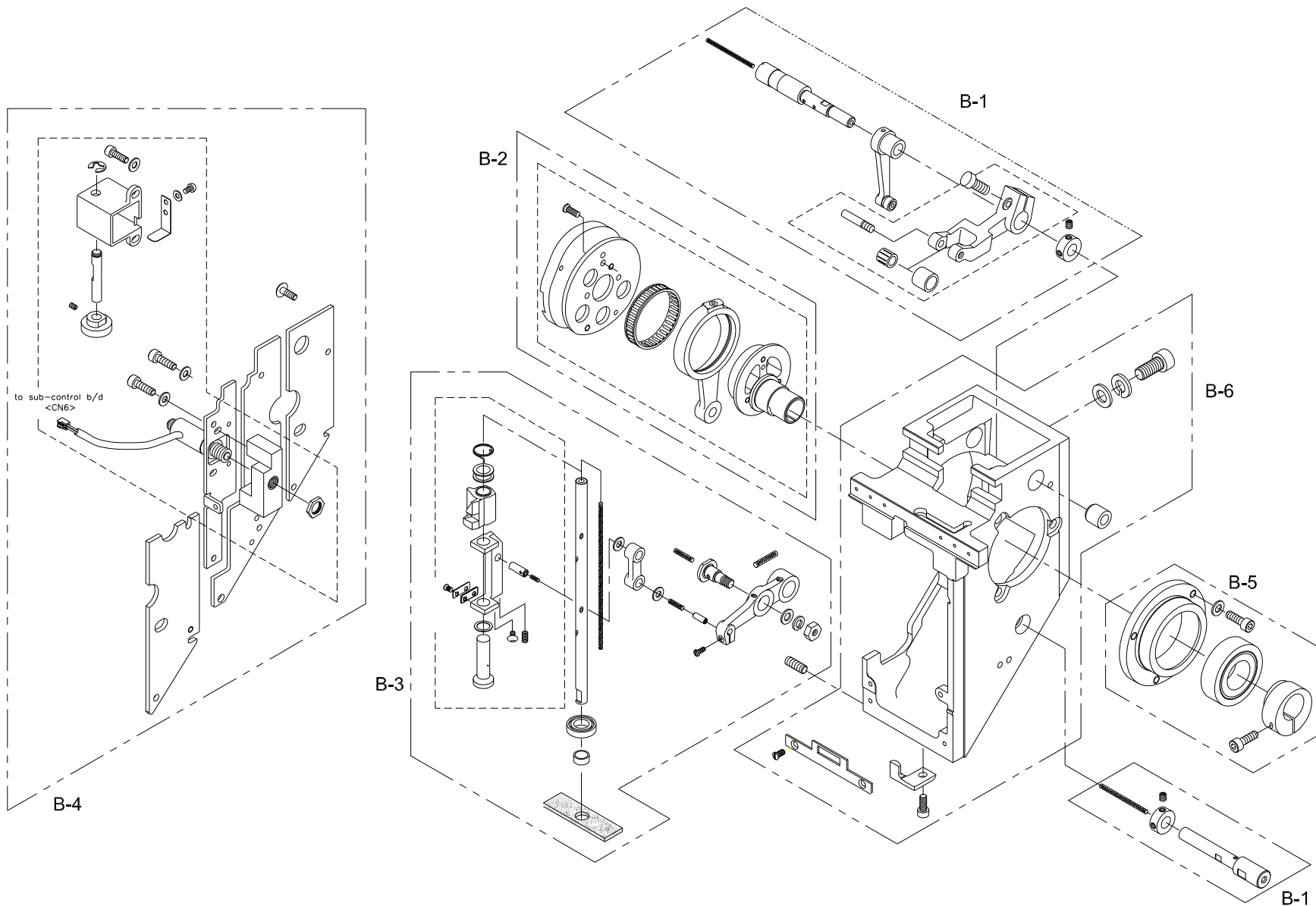
A

[illegible]

A

[illegible]

Arm 1



B-1

This exploded view diagram illustrates the assembly of a mechanical component, likely a door latch or handle. The parts are labeled as follows:

- B-1-1**: A long cylindrical shaft or handle.
- B-1-2**: A small pin or screw.
- B-1-3**: A small washer or spacer.
- B-1-4**: A small pin or screw.
- B-1-5**: A small pin or screw.
- B-1-6**: A small pin or screw.
- B-1-7**: A small pin or screw.
- B-1-8**: A small pin or screw.
- B-1-9**: A small pin or screw.
- B-1-10**: A small pin or screw.
- B-1-11**: A small pin or screw.
- B-1-12**: A small pin or screw.
- B-1-13**: A small pin or screw.
- B-1-14**: A small pin or screw.
- B-1-15**: A small pin or screw.
- B-1-16**: A small pin or screw.
- B-1-17**: A small pin or screw.

The diagram shows the assembly of the handle (B-1-1) into the main body (B-1-2) using various pins and screws (B-1-3 through B-1-17). The main body is shown in a dashed outline, indicating its internal structure and the location of the handle.

Note

B

B-2

B-2-8

This diagram illustrates the exploded view of the B-2-8 assembly. The components are labeled as follows:

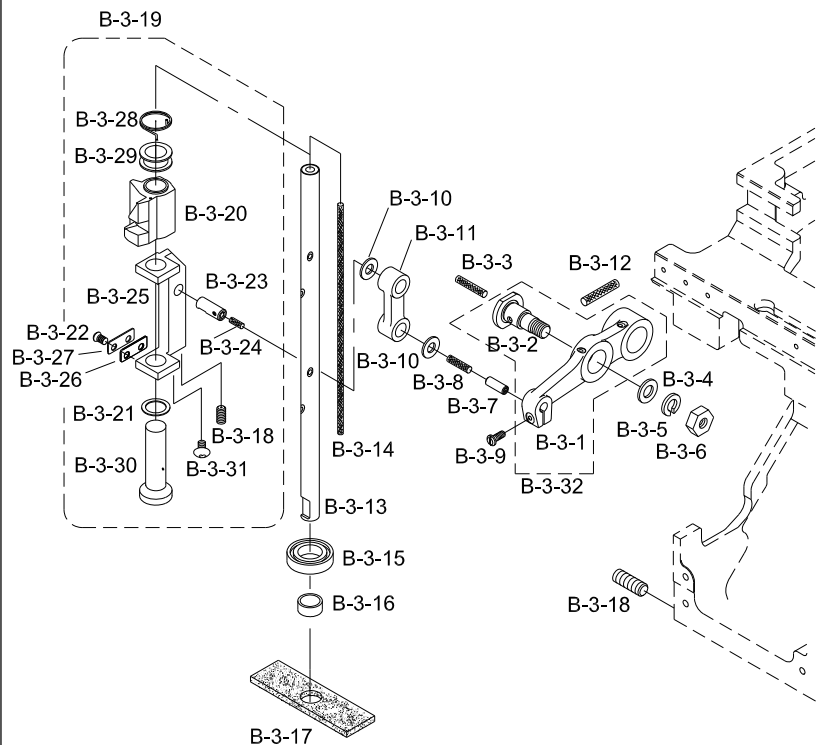
- B-2-1**: The main rectangular housing or frame.
- B-2-2**: A cylindrical component, likely a motor or actuator, positioned at the bottom right.
- B-2-3**: A small, circular component, possibly a bearing or seal, located near the base of the cylindrical component.
- B-2-4**: A ring-shaped component, likely a gasket or O-ring, positioned above the cylindrical component.
- B-2-5**: A larger, circular component with multiple mounting holes, positioned at the top left.
- B-2-6**: A small, circular component, likely a cap or cover, positioned above the larger circular component.
- B-2-7**: A small, cylindrical component, likely a pin or screw, positioned at the top left.

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

Note

B

B-3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
B-3-1	GP-020913-00	Needle Bar Drive Lever	Aug,26,06 ~ Nov,14,06	X		4	
	GP-020913-01		Nov,14,06 ~	△			
B-3-2	03023SC-A001	Connecting Rod Stud				4	
B-3-3	-	Wick				4	
B-3-4	03025SW-1211	Washer (@6)			O	4	
B-3-5	03026SW-9115	Spring Washer (@6)			O	4	
B-3-6	03027SN-A001	Stud Nut			O	4	
B-3-7	03303300H000	Lever Pin				4	
B-3-8	-	Wick				4	
B-3-9	02015SC-7113	Driving Lever Pin Screw				4	
B-3-10	03034SW-A001	Reciprocator Washer				8	
B-3-11	03003200A000	Needle Bar Drive Rink				4	
B-3-12	-	Wick				4	
B-3-13	GP-013117-00	NEEDLE BAR DRIVING SHAFT	Nov,07,05 ~	X		4	
B-3-14	-	Wick				4	
B-3-15	03008000H000	Ball Bearing 689 (Ntn)				4	
B-3-16	03008100K000	Needle Bar Drive Bearing Bush				4	
B-3-17	03053SF-A001	Felt "B"				4	
B-3-18	03020SC-A001	Drive Pin Screw 11/64,N40,L8			O	20	
B-3-19	03005BM-B001	Needle Bar Reciprocator Set				4	
B-3-20	GP-013756-00	Needle Bar Reciprocator	Dec,14,05 ~	X		4	
B-3-21	03048SW-A001	Reciprocator Washer				4	
B-3-22	03040SC-A001	Stopper Bracket Screw				8	
B-3-23	03033CW-A001	Driver Pin				4	
B-3-24	-	Wick				4	
B-3-25	GP-013762-00	Needle Driving Shaft Driver	Dec,14,05 ~ Jul,25,08	X		4	
	GP-013762-01		Jul,25,08 ~ Dec,03,08	△			
	GP-013762-02		Dec,03,08 ~ Feb,20,09	△			
	GP-013762-03		Feb,20,09 ~	△			
B-3-26	03041PR-B001	Reciprocator Stopper				4	
B-3-27	03039PR-B001	Stopper Bracket				4	
B-3-28	03045SP-B001	Jump Spring				4	
B-3-29	03046CW-B001	Jump Spring Guide				4	
B-3-30	GP-013587-00	Needle Bar Driving Shaft Bush	Dec,05,05 ~ Feb,20,09	X		4	
	GP-013587-01		Feb,20,09 ~	△			
B-3-31	03006MC-3123	Truss Screw (M3*L6)			O	4	
B-3-32	AS-005257-00	Needle Bar Drive Lever Ass' Y				4	

B

This diagram illustrates the exploded view of the B-4 control unit assembly. The components are labeled as follows:

- B-4-1**: Main control unit housing.
- B-4-2**: Mounting bracket.
- B-4-3**: Mounting plate.
- B-4-4**: Mounting screw.
- B-4-5**: Mounting screw.
- B-4-6**: Mounting screw.
- B-4-7**: Mounting bracket.
- B-4-8**: Mounting bracket.
- B-4-9**: Mounting screw.
- B-4-10**: Mounting screw.
- B-4-11**: Mounting screw.
- B-4-12**: Mounting screw.
- B-4-13**: Mounting screw.
- B-4-14**: Mounting bracket.
- B-4-15**: Mounting screw.
- B-4-16**: Mounting screw.
- B-4-17**: Mounting screw.
- B-4-18**: Mounting screw.
- B-4-19**: Mounting screw.
- B-4-20**: Mounting screw.
- B-4-21**: Mounting screw.
- B-4-22**: Mounting screw.

The diagram also includes a label for the sub-control unit: **to sub-control b/d <CN6>**.

Note

B

Note

[illegible]**B**

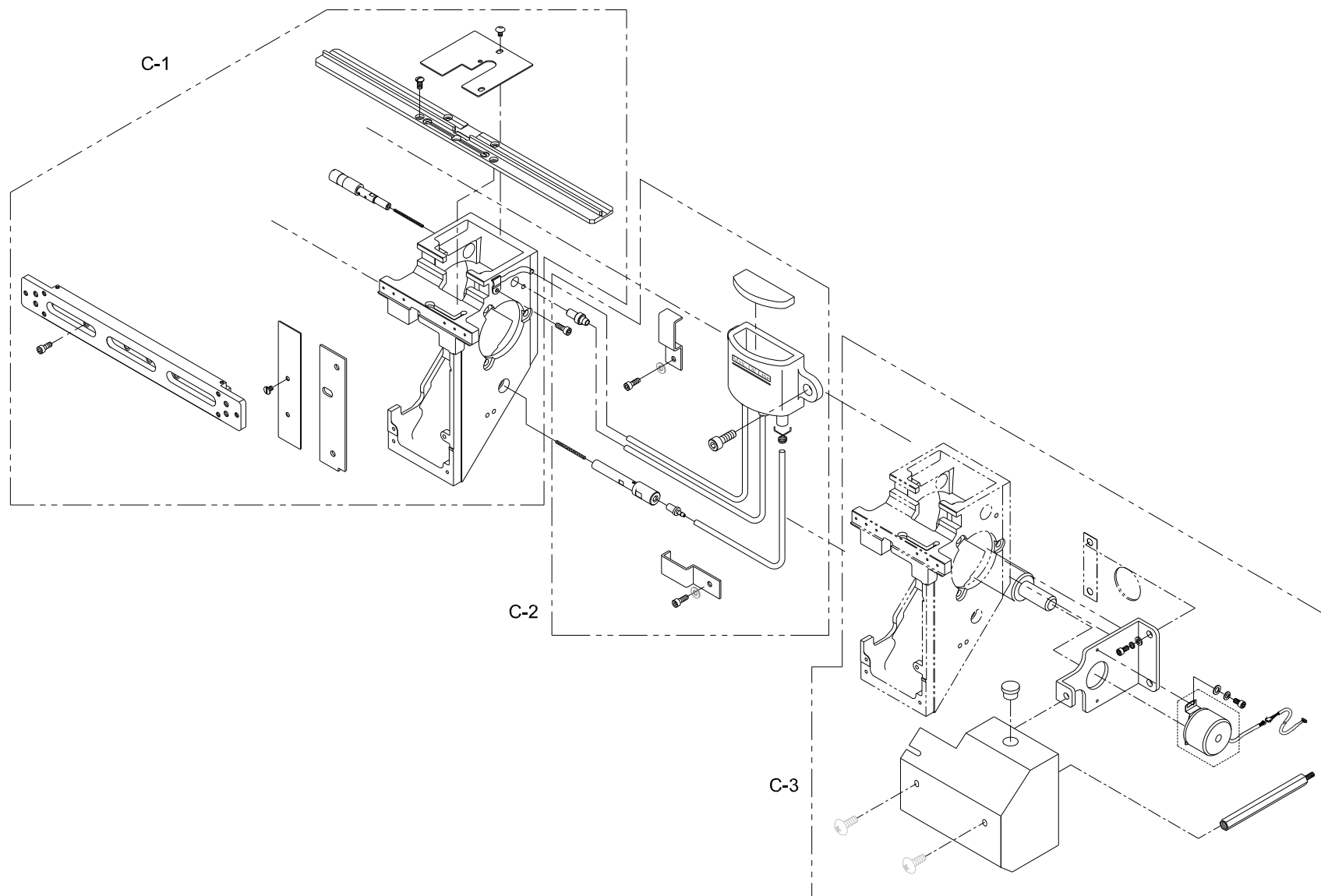
B-6

This exploded view diagram illustrates the assembly of the B-6 unit. The main component, B-6-1, is a large rectangular panel with a circular cutout on the right side. A horizontal bracket, B-6-5, is shown being attached to the bottom of B-6-1 using a screw, B-6-6. A vertical support, B-6-7, is positioned to the left of B-6-1, with a small pin, B-6-8, shown near its base. A horizontal rod, B-6-4, is shown passing through a circular opening in B-6-1, secured by a washer, B-6-3, and a nut, B-6-2.

Note

B

Arm 2



C-1

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

- C-1-1**: A long, narrow base plate with multiple mounting holes and a central slot.
- C-1-2**: A small screw used to secure the base plate.
- C-1-3**: A long, narrow rail or track component.
- C-1-4**: A small screw used to secure the rail.
- C-1-5**: A small screw used to secure the rail.
- C-1-6**: A small screw used to secure the rail.
- C-1-7**: A vertical plate with a central slot.
- C-1-8**: A vertical plate with a central slot.
- C-1-9**: A small screw used to secure the vertical plates.

The diagram shows the assembly of these components into a larger structure, which is represented by a dashed outline of a cabinet or enclosure. The components are shown in their relative positions, indicating how they fit together.

Note

[illegible]

This exploded view diagram illustrates the assembly of the C-2-1 unit. The main components shown include:

- C-2-1:** The central rectangular unit with a handle on top.
- C-2-2:** A curved handle or cap that fits onto the top of the C-2-1 unit.
- C-2-3:** A small cylindrical component, likely a pin or bolt, used for securing the unit.
- C-2-4:** A long, thin rod or tube that passes through the unit.
- C-2-5:** A small cylindrical component, likely a pin or bolt, used for securing the unit.
- C-2-6:** A small cylindrical component, likely a pin or bolt, used for securing the unit.
- C-2-7:** A small rectangular component, likely a bracket or plate, used for securing the unit.
- C-2-8:** A small cylindrical component, likely a pin or bolt, used for securing the unit.

The diagram shows the relative positions and assembly sequence of these components, with dashed lines indicating the paths of the rods and the locations where the pins and bolts are inserted.

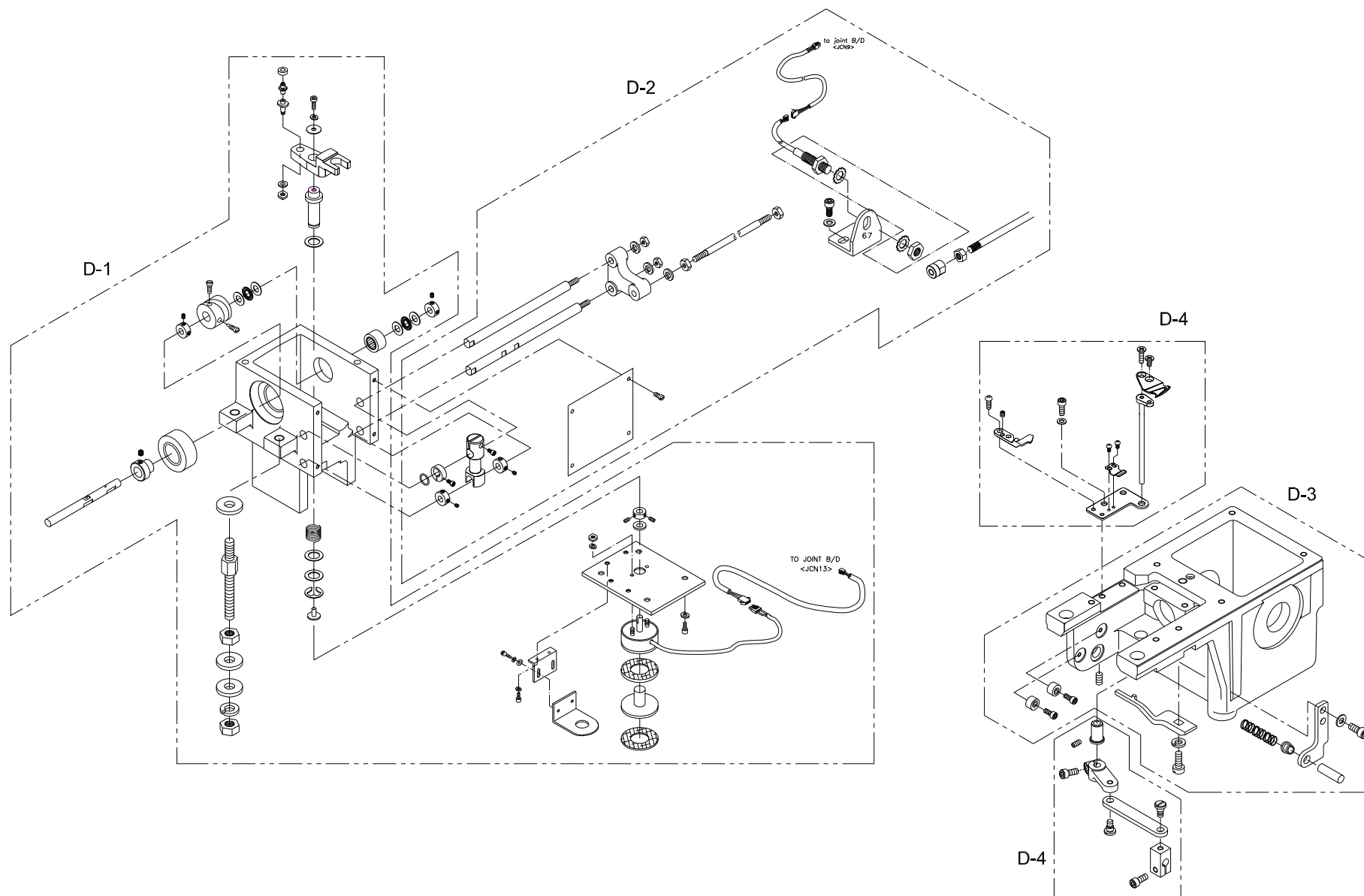
Note

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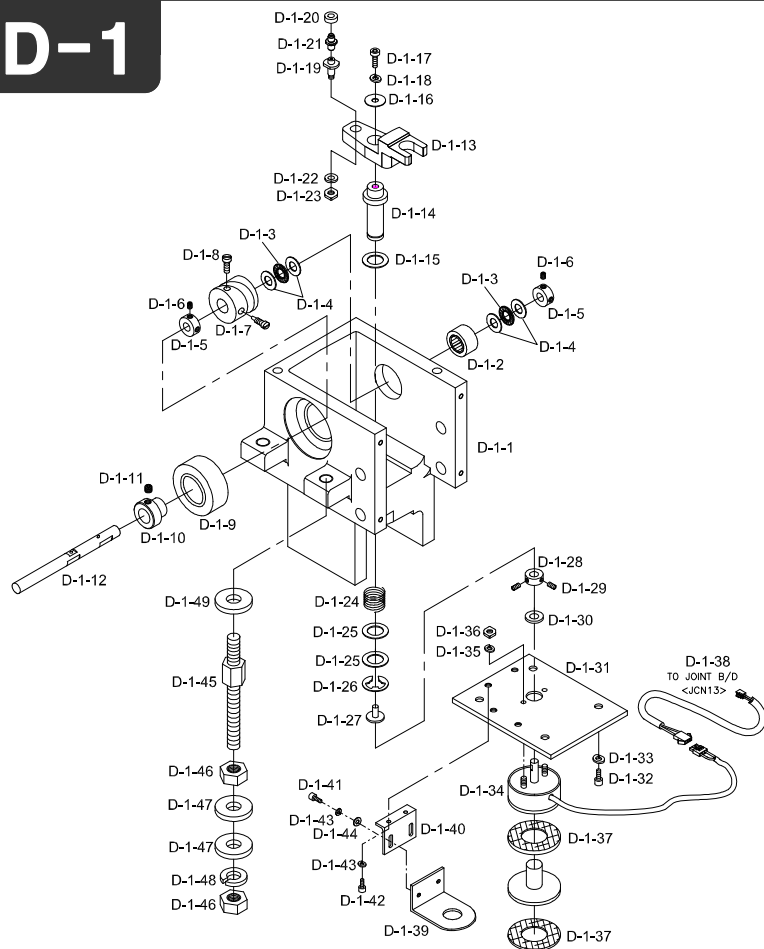
This exploded view diagram illustrates the assembly of the C-3-12 component. The main assembly, C-3-12, is shown at the bottom. It consists of a base plate (C-3-5) and a top plate (C-3-11). The base plate has two mounting holes for screws C-3-9. The top plate has a central circular opening. A cylindrical component (C-3-10) is shown being inserted into the top plate. A cable (C-3-13) is connected to the base plate. The cable has a connector (C-3-4) and a plug (C-3-2). The cable is also connected to a component (C-3-1) which has a circular opening. The cable is secured by a screw (C-3-3). A bracket (C-3-6) is shown being attached to the base plate with screws C-3-7 and C-3-8. A small rectangular plate (C-3-8) is also shown being attached to the base plate with a screw C-3-7.

C

Thread Cutting Set



D-1



Note

D-1,D-2 : AS-004647-00 (Mes Cam Driving Box Ass'Y)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
D-1-1	03700100E000	Mes Cam Driving Box				1	
D-1-2	04027BR-A001	Needle Bearing (Hmk1515)			O	1	
D-1-3	08027BR-A001	Thrust Bearing (Ntb 1528)			O	2	
D-1-4	08028BR-A001	Thrust Washer (As 1528)				4	
D-1-5	03704900A000	Cam Shaft Collar				2	
D-1-6	04016AF-A001	Cam Collar Screw				4	
D-1-7	GP-007345-00	MES CAM	Jan,27,05 ~	X		1	
D-1-8	08038SC-UI12	Hex.Socket Set Screw				3	
D-1-9	01029BR-A001	Ball Bearing (6004Zz)			O	1	
D-1-10	14058CW-A001	Collar "A"				1	
D-1-11	04012AF-A001	Hook Shaft Bush Screw				2	
D-1-12	08036SF-B001	Mes Cam Shaft				1	
D-1-13	GP-012734-00	Mes Cam Lever	Jan,27,05 ~	X		1	
D-1-14	08047CW-A001	Lever Support Pin				1	
D-1-15	08044RB-B001	Cushion Washer (T2)				2	
D-1-16	WS-000127-00	Lever Washer	Jan,27,05 ~	X		1	
D-1-17	02015SC-7113	Hex.Socket Bolt (M4*L10)			O	1	
D-1-18	02028SW-9115	Spring Washer (@4)			O	1	
D-1-19	PN-000722-00	CAM COLLAR PIN (L=19)	Jan,18,09 ~	X		1	
D-1-20	07030AF-UK01	Roller				1	
D-1-21	07026CW-UK01	Mes Cam Roller Shaft				1	
D-1-22	08057SW-1111	Washer (@6)			O	1	
D-1-23	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
D-1-24	08048SP-A001	Lever Return Spring				1	
D-1-25	08050SW-A001	Lever Stopper Pin Washer				2	
D-1-26	08051SR-4013	E-Ring (@12)			O	1	
D-1-27	08052RB-A001	Lever Support Pin Cushion				1	
D-1-28	03707300A000	Solenoid Collar				1	
D-1-29	08113SC-A001	Collar Screw				2	
D-1-30	08072RB-A001	Cushion Rubber				1	
D-1-31	08072PR-B001	Solenoid Base Plate				1	
D-1-32	03016SC-4113	Hex. Socket Bolt (M5*L15)			O	4	
D-1-33	18048SW-3115	Spring Washer (5@)			O	4	
D-1-34	08068EL-A001	Thread Trimming Solenoid Ass'				1	
D-1-35	12010SN-1211	Hex. Nut (M5-No3)			O	2	
D-1-36	18048SW-3115	Spring Washer (5@)			O	2	
D-1-37	08071SF-A001	Solenoid Cushion				3	

D-1

D-1-20
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D-1-38
TO JOINT B/D
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D-1-46
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D-1-43
D-1-42
D-1-39
D-1-34
D-1-33
D-1-32
D-1-37
D-1-37

D-1,D-2 : AS-004647-00 (Mes Cam Driving Box Ass'Y)

D

D-2

to joint B/D
<CH9>

D-2-23

D-2-17

D-2-19

D-2-20

D-2-18

D-2-21

D-2-22

D-2-11

D-2-10

D-2-12

D-2-15

D-2-14

D-2-16

D-2-13

D-2-15

D-2-14

D-2-9

D-2-8

D-2-7

D-2-6

D-2-5

D-2-4

D-2-3

D-2-2

D-2-1

D-1,D-2 : AS-004647-00 (Mes Cam Driving Box Ass'Y)

D

This diagram illustrates the assembly of the rear chassis components. The main structure is a rectangular frame with various mounting points. The components and their assembly locations are as follows:

- D-3-1**: A U-shaped bracket that fits into the rear of the main frame.
- D-3-2**: A long threaded bolt that passes through the U-shaped bracket (D-3-1) and is secured with a nut.
- D-3-3**: A shorter threaded bolt that passes through the bottom of the main frame and is secured with a nut.
- D-3-4**: A coiled spring that is positioned behind the main frame.
- D-3-5** and **D-3-6**: Two small cylindrical components, likely bushings or spacers, located on the left side of the frame.
- D-3-7**: A small cylindrical component located on the right side of the frame.
- D-3-8**: A short cylindrical component located on the right side of the frame.
- D-3-9** and **D-3-10**: A bracket and a long threaded bolt, respectively, located on the right side of the frame.

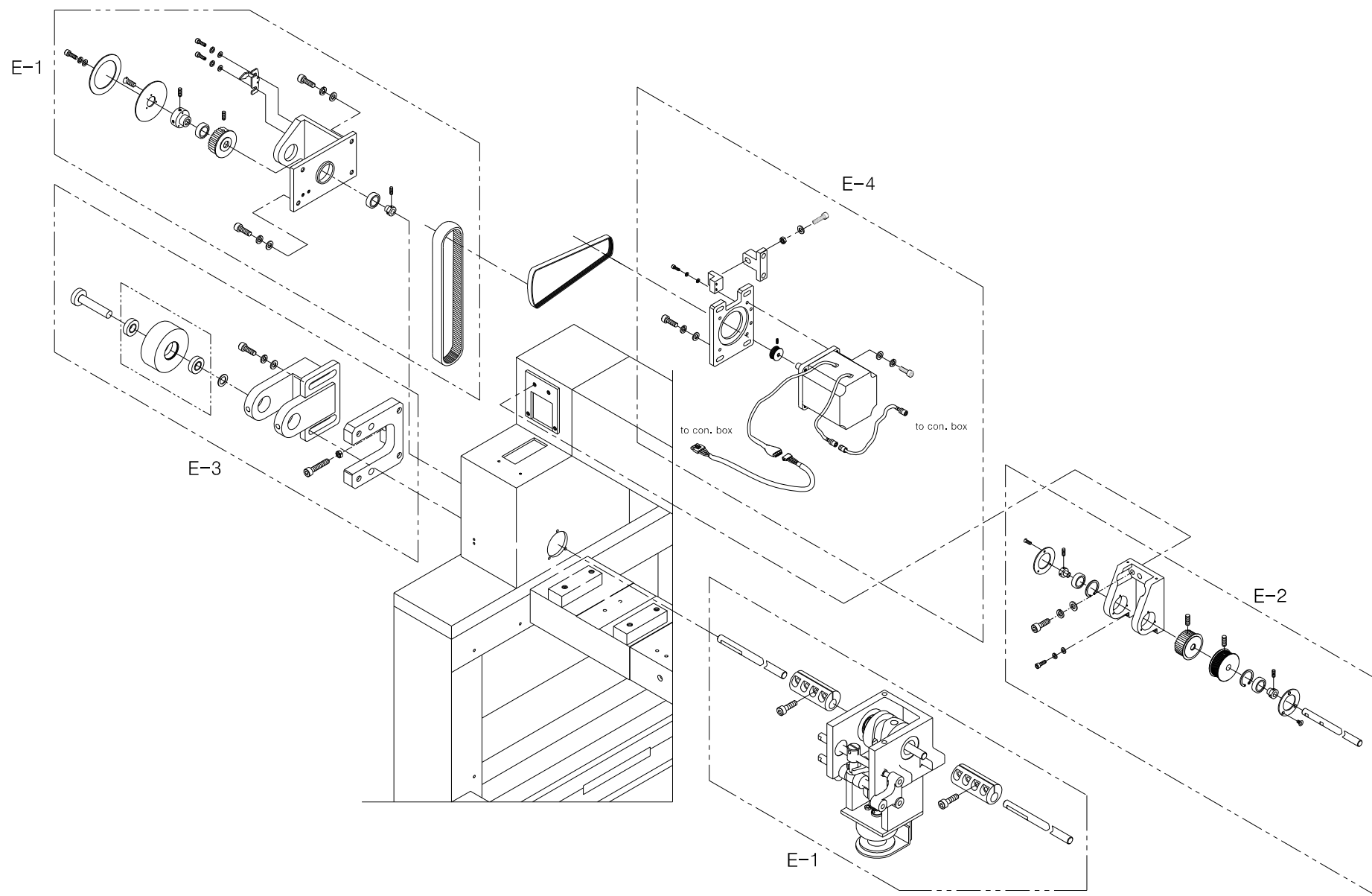
Note

[illegible]

Note

[illegible]

Main Drive System



E-1

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

- E-1-15**, **E-1-16**, **E-1-17**: Piston and connecting rod assembly.
- E-1-13**, **E-1-14**: Crankshaft and flywheel.
- E-1-10**, **E-1-11**, **E-1-12**: Camshaft and timing components.
- E-1-18**, **E-1-19**, **E-1-20**, **E-1-21**: Valve train components.
- E-1-5**, **E-1-3**, **E-1-4**: Valve adjustment components.
- E-1-6**, **E-1-8**: Timing belt and pulley.
- E-1-7**: Timing belt cover.
- E-1-2**, **E-1-3**, **E-1-4**: Timing belt tensioner components.
- E-1-1**, **E-1-8**, **E-1-9**, **E-1-10**: Timing belt guide components.
- E-1-22**, **E-1-24**, **E-1-25**: Timing belt and tensioner components.
- E-1-23**: Timing belt guide component.

The diagram shows the engine block, cylinder head, and timing belt assembly. The components are shown in their relative positions and assembly sequence.

[illegible]

This diagram illustrates the exploded view of the E-2 component assembly. The main unit is a rectangular box with a top panel and a side panel. The top panel features a rectangular slot and a small square opening. The side panel has a circular opening. The exploded view shows the following components and their assembly sequence:

- E-2-1**: The main housing or frame.
- E-2-2**: A long screw or bolt.
- E-2-3**: A small washer or spacer.
- E-2-4**: A small nut or washer.
- E-2-5**: A small screw or bolt.
- E-2-6**: A small washer or spacer.
- E-2-7**: A small screw or bolt.
- E-2-8**: A small screw or bolt.
- E-2-9**: A small screw or bolt.
- E-2-10**: A large pulley or wheel.
- E-2-11**: A small screw or bolt.
- E-2-12**: A small washer or spacer.
- E-2-13**: A small washer or spacer.
- E-2-14**: A small washer or spacer.
- E-2-15**: A small screw or bolt.
- E-2-16**: A small screw or bolt.
- E-2-17**: A long screw or bolt.
- E-2-18**: A rectangular plate or cover.

Note



Note



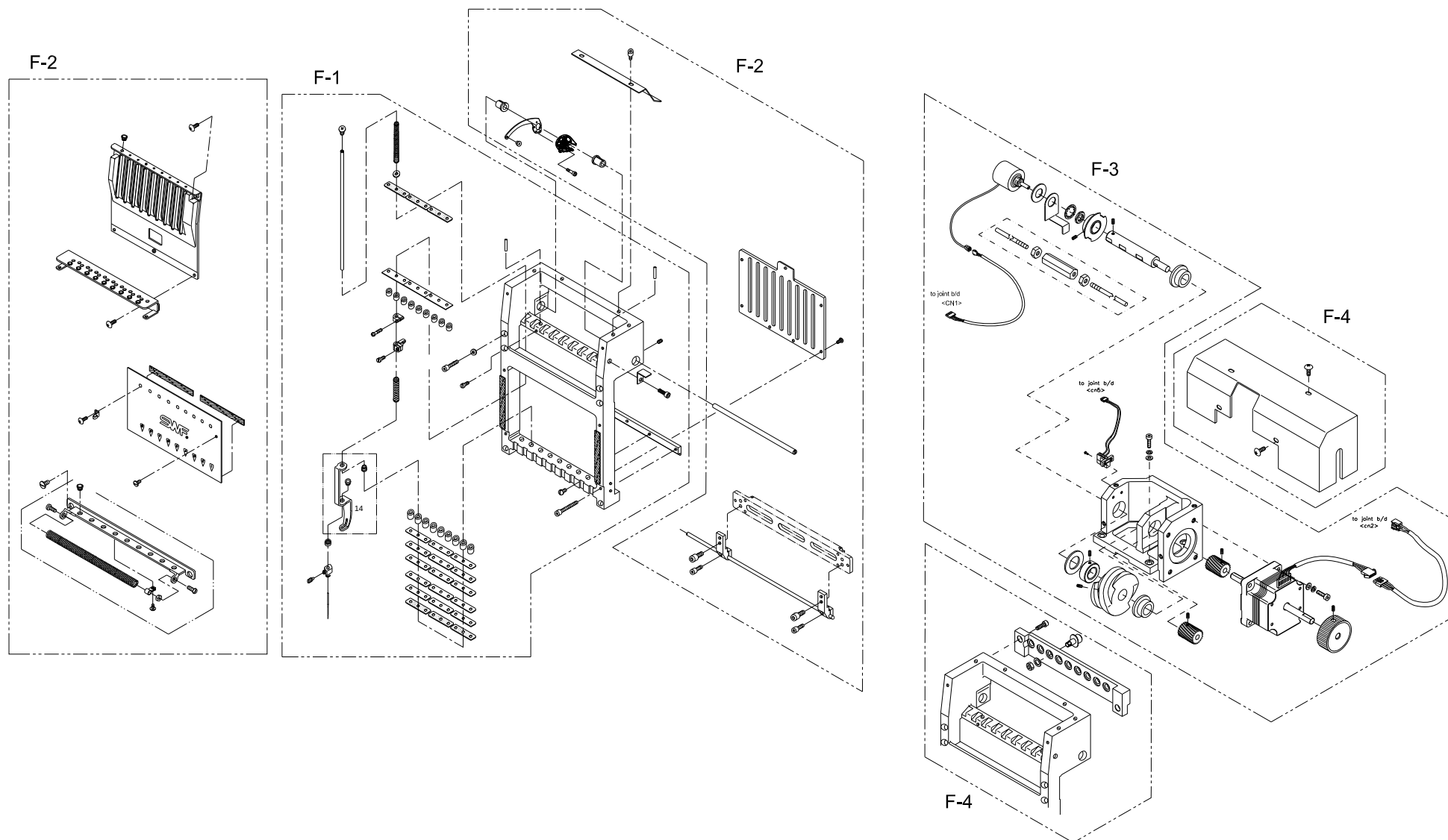
E-4

This exploded view diagram illustrates the assembly of the E-4 component. The central part is a rectangular box (E-4-1) with two cables extending from it: a long cable (E-4-19) with a multi-pin connector, and a shorter cable (E-4-20) with a different connector. The box is mounted onto a larger frame (E-4-7) which has a circular opening. Various screws and washers are used to secure the assembly: E-4-2, E-4-3, E-4-4, E-4-5, E-4-6, E-4-8, E-4-9, E-4-10, E-4-11, E-4-12, E-4-13, E-4-14, E-4-15, E-4-16, E-4-17, and E-4-18. The frame is further supported by a bracket (E-4-19) and a plate (E-4-20). The diagram is labeled with 'to con. box' on both sides, indicating the connection points for the control box.

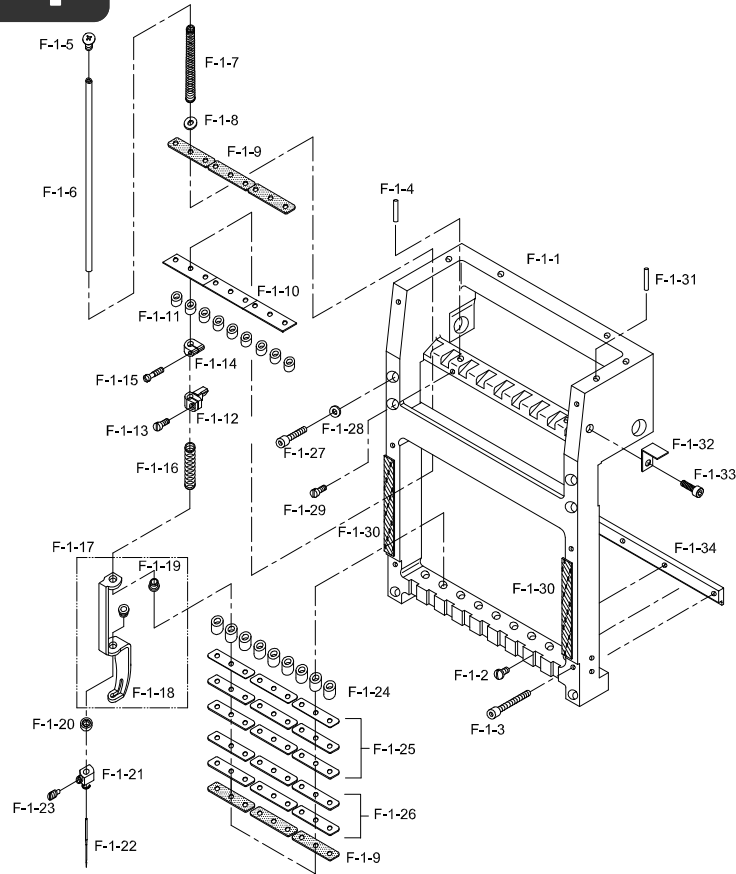
Note



Head & Color Change



F-1



Note

F-1,F-2 : AS-005641-00 HEAD Ass'Y

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-1-1	GP-014941-00	Head	Feb,01,06 ~ Nov,14,06	X		4	
	GP-014941-01		Nov,14,06 ~ Mar,26,07	△			
	GP-014941-02		Mar,26,07 ~ Dec,14,07	△			
	GP-014941-03		Dec,14,07 ~	△			
F-1-2	SC-000417-00	Head Rail Screw	Sep,14,05 ~	X		8	
F-1-3	05014SC-7113	Hex. Socket Bolt (M4*L25)			O	8	
F-1-4	05015CW-A001	Head Base Pin(@5*L15)			O	4	
F-1-5	05019SC-A001	Needle Bar Cover Screw (M5*L6)			O	36	
F-1-6	GP-011929-00	Needle Bar	Sep,14,05 ~	X		36	
F-1-7	GP-007216-00	Needle Bar Return Spring	Jan,21,05 ~ Sep,02,05	X		36	
	GP-007216-01		Sep,02,05 ~	△			
F-1-8	05022SW-A001	Spring Shoe Washer				36	
F-1-9	05021SF-A001	Felt				24	
F-1-10	05023RB-A001	Needle Bar Cushion Rubber "A"				12	
F-1-11	05024RB-A001	Needle Bar Cushion Rubber "B"				36	
F-1-12	GP-044776-00	Needle Bar Holder	Jan,13,09 ~	X		36	
F-1-13	05028SC-4113	Holder Screw (9/64-L8)				36	
F-1-14	11101200T000	Upper Dead Point Stopper				36	
F-1-15	05026SC-4113	Stopper Screw (9/64-11.5)				36	
F-1-16	GP-020915-00	Presser Foot Pressure Spring	Aug,26,06 ~ May,03,07	X		36	
	GP-020915-01		May,03,07 ~	△			
F-1-17	05029BM-A001	Presser Foot Set				36	
F-1-18	GP-013763-00	Presser Foot	Dec,14,05 ~	X		36	
F-1-19	05031AF-A001	Presser Foot Guide Bush				72	
F-1-20	05035RB-A001	Presser Foot Cushion Rubber "A"				36	
F-1-21	05036AF-A001	Needle Fixed Holder				36	
F-1-22	05037DB-A001	Needle (Db-K5, #11)			O	36	
F-1-23	05363SC-A001	Needle Fixed Screw (A/S)				36	
F-1-24	05032RB-A001	Presser Foot Cushion Rubber "B"				36	
F-1-25	05033RB-A001	Presser Foot Adjusting Rubber				36	
F-1-26	05034RB-A001	Presser Foot Adjusting Rubber				24	
F-1-27	05008SC-4113	Hex.Socket Bolt (M4*L16)			O	16	
F-1-28	06003SW-2111	Washer (@4)			O	16	
F-1-29	03022SC-4517	Hex. Socket Set Screw(M4*L5)				4	
F-1-30	05063RB-A001	Magnetic Rubber "A"				8	
F-1-31	01303700H000	Tension Plate Pin				16	
F-1-32	02022PR-UK01	Upper Shaft Cover "B" Bracket				6	

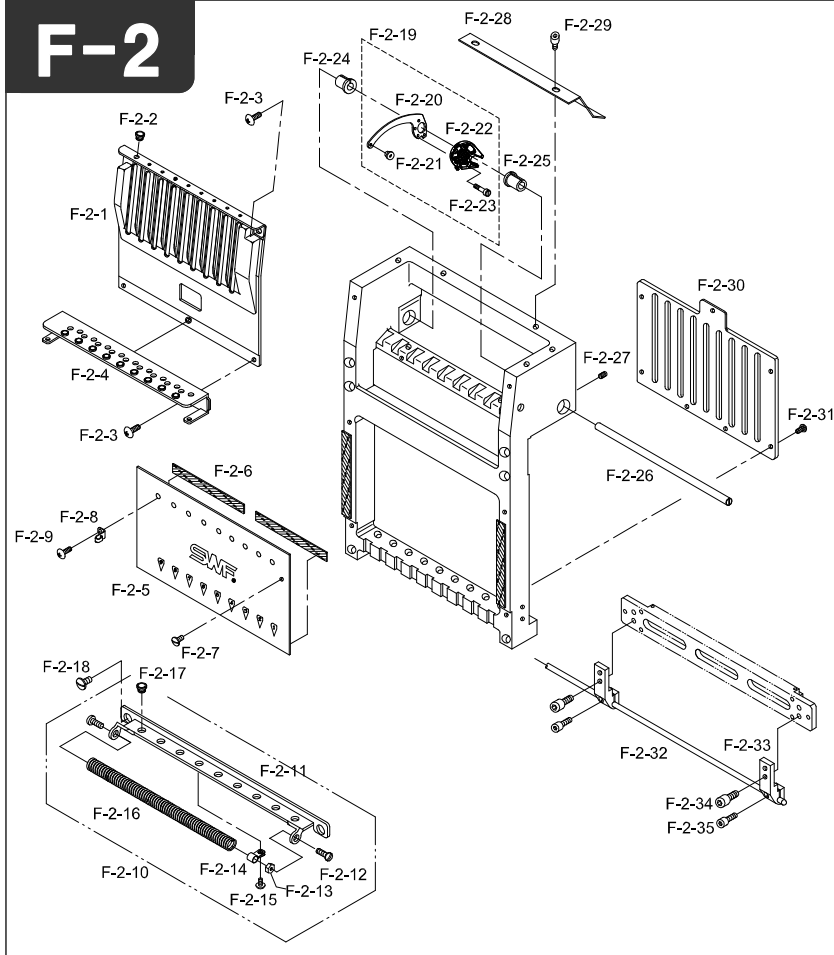
F-1

Exploded view diagram of a mechanical assembly, likely a shredder, showing various components and their assembly sequence. The diagram includes a main frame assembly (F-1-1, F-1-2, F-1-3, F-1-4, F-1-30, F-1-31, F-1-32, F-1-33, F-1-34) and a separate assembly of rollers (F-1-9, F-1-10, F-1-11, F-1-12, F-1-13, F-1-14, F-1-15, F-1-16, F-1-17, F-1-18, F-1-19, F-1-20, F-1-21, F-1-22, F-1-23, F-1-24, F-1-25, F-1-26). The rollers are shown in a stack, with F-1-9 at the top and F-1-26 at the bottom. The main frame assembly is shown in a perspective view, with the rollers being inserted into it. The diagram uses dashed lines to indicate the assembly path and the relative positions of the components. The components are labeled with part numbers F-1-1 through F-1-34.

F-1,F-2 : AS-005641-00 HEAD Ass'Y

F

F-2



Note

F-1,F-2 : AS-005641-00 HEAD Ass'Y

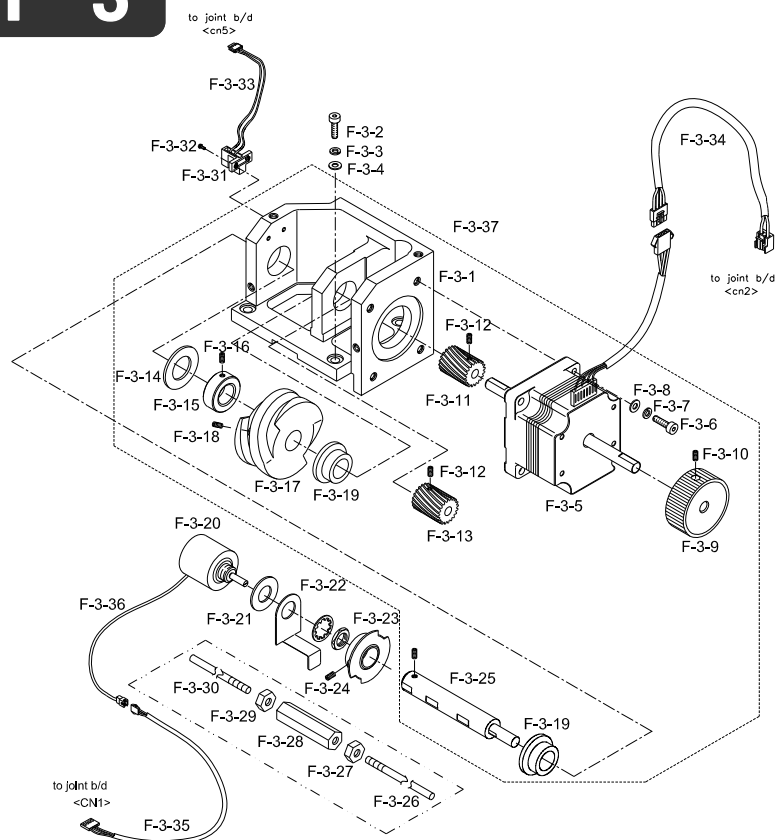
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-2-1	10200103B000	Head Face Plate (U) 9C				4	
F-2-2	05452CM-A001	Eyelet "A"				36	
F-2-3	SC-001625-00	Thread Guide (M) Screw (9/64 n=40)	Jan,19,09 ~ Feb,17,09			16	
	SC-001625-01		Feb,17,09 ~				
F-2-4	AS-000484-00	Thread Guide (M) Set (9C)	Jun,23,04 ~ May,10,07	X		4	
	AS-000484-01		May,10,07 ~ Jun,18,07	△			
	AS-000484-02		Jun,18,07 ~ Aug,29,07	△			
	AS-000484-03		Aug,29,07 ~ Dec,11,08	△			
	AS-000484-04		Dec,11,08 ~ Dec,11,08	△			
	AS-000484-05		Dec,11,08 ~ Jan,14,09	△			
	AS-000484-06		Jan,14,09 ~ Jan,30,09	△			
	AS-000484-07		Jan,30,09 ~ Feb,17,09	△			
	AS-000484-08		Feb,17,09 ~ Jan,26,10	△			
	AS-000484-09		Jan,26,10 ~ Aug,13,10	△			
	AS-000484-10		Aug,13,10 ~	△			
F-2-5	12001703I000	Head Face Plate (L) (9C)				4	
F-2-6	05642RB-A001	Magnetic Rubber "B"				8	
F-2-7	05070SC-3123	Thread Guide (L) Screw				4	
F-2-8	11012PR-B001	Thread Guide				16	
F-2-9	09005SC-3123	Hex.Socket Bolt(M4*L10)			O	8	
F-2-10	10400003B000	Thread Guide (L) Set				4	
F-2-11	GP-010764-00	Thread Guide (L) 9C	Jul,20,05 ~	X		4	
F-2-12	096440C-8119	Spring Adjusting Screw				8	
F-2-13	096440N-3211	Spring Adjusting Nut (9/64,N40)				8	
F-2-14	10400304B000	Spring Holder				4	
F-2-15	05060SC-8118	Screw (M3*L3)			O	4	
F-2-16	GP-010772-00	Thread Hook Spring (9C)	Jul,21,05 ~	X		4	
F-2-17	05452CM-A001	Eyelet "A"				36	
F-2-18	05070SC-3123	Thread Guide (L) Screw				8	
F-2-19	07005BM-T121	Take-Up Lever Set				36	
F-2-20	05033PR-T121	Take-Up Lever				36	
F-2-21	07102CM-A001	Eyelet "C"				36	
F-2-22	05035PM-T121	Take-Up Lever Boss				36	
F-2-23	07003SC-A001	Take-Up Lever Screw				72	
F-2-24	08203000A000	Take-Up Lever Shaft Bush(L)				4	
F-2-25	08200800A000	Take-Up Lever Shaft Bush(R)				4	
F-2-26	08200503A000	Take-Up Lever Shaft (9C)				4	
F-2-27	07009SC-4517	Hex.Socket Set Screw (M5*L6)				4	

[illegible]

F-1,F-2 : AS-005641-00 HEAD Ass'Y

[illegible]

F-3



Note

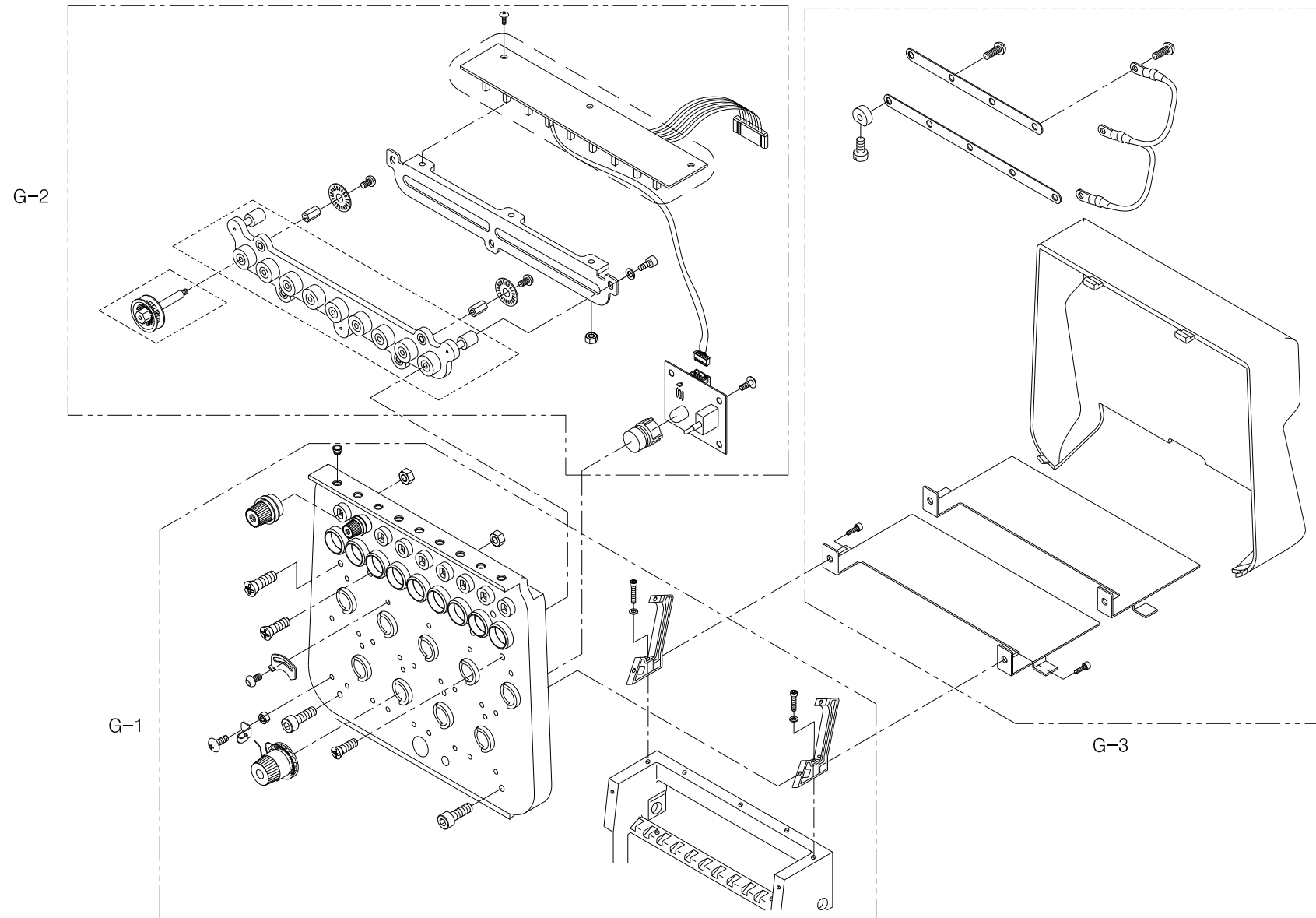
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-3-1	13001CA-UK06	Color Change Base				1	
F-3-2	05008SC-4113	Hex.Socket Bolt (M4*L16)			O	4	
F-3-3	02028SW-9115	Spring Washer (@4)			O	4	
F-3-4	05009SW-1111	Washer (@4-L)			O	4	
F-3-5	13016MT-UK06	Color Change Motor (4 Head)				1	
	13027MT-UK06	Color Change Motor (6 Head)				1	
F-3-6	05008SC-4113	Hex.Socket Bolt (M4*L16)			O	4	
F-3-7	02028SW-9115	Spring Washer (@4)			O	4	
F-3-8	05009SW-1111	Washer (@4-L)			O	4	
F-3-9	13022AD-UK06	Color Change Passivity Handle				1	
F-3-10	03020SC-A001	Drive Pin Screw 11/64,N40,L8			O	2	
F-3-11	13020GA-UK06	Color Change Gear (L)				1	
F-3-12	03020SC-A001	Drive Pin Screw 11/64,N40,L8			O	4	
F-3-13	13021GA-UK06	Color Change Gear (R)				4	
F-3-14	13010BR-T121	Washer (@12*@26*1T)				1	
F-3-15	13010CW-UK06	Color Change Collar				1	
F-3-16	03020SC-A001	Drive Pin Screw 11/64,N40,L8			O	2	
F-3-17	13005CM-UK06	Color Change Cam				1	
F-3-18	04012AF-A001	Hook Shaft Bush Screw				3	
F-3-19	GP-006252-00	Cam Bushing	Dec,15,04 ~	X		2	
F-3-20	15012MT-T121	Potentiometer (7824 R1K L25)				1	
F-3-21	15014PR-T121	Potentiometer Washer				1	
F-3-22	13015PR-UK06	Potentiometer Bracket				1	
F-3-23	13032AD-UK06	Color Change Film Set				1	
F-3-24	03020SC-A001	Drive Pin Screw 11/64,N40,L8			O	3	
F-3-25	13007CW-UK06	Color Change Shaft				1	
F-3-26	23012SH-UK06	Color Change Shaft "A"				1	
F-3-27	17053SN-1111	Hex. Nut(L) (M6*T5-L)			O	1	
F-3-28	17051SN-A001	Mes Priving Shaft Joint				1	
F-3-29	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
F-3-30	23013SH-UK06	Color Change Shaft "B"				1	
F-3-31	08102300B000	Half Turn Sensor (Gp1S51V)				1	
F-3-32	08006SC-8118	Plus Screw (M3*L5)			O	2	
F-3-33	25033EL-E121	Cable (25-31)				1	
F-3-34	25025EL-E121	Cable (25-25)				1	
F-3-35	25033EL-E131	Cable (25-33)				1	
F-3-36	25036EL-UK01	Cc Potentiometer Cable(4Ht-36)				1	
F-3-37	AS-004640-00	Color Change Motor Ass' Y				1	

This diagram illustrates the exploded view of the F-4-1 chassis assembly. The main chassis (F-4-1) is shown at the bottom left. A central component, likely a terminal block or connector (F-4-2), is shown in the middle, with several screws (F-4-3, F-4-4, F-4-5) used to secure it. A top cover (F-4-7) is shown at the top right, with screws (F-4-6, F-4-8) used to attach it. A side panel (F-4-9) is shown on the right, with a screw (F-4-8) used to attach it. The diagram uses dashed lines to indicate the assembly path and alignment of the components.

Note

F

Thread Tension Unit



G-1,G-2 : 08300003I000 Thread Tension Unit Ass'Y

G

This exploded view diagram illustrates the assembly of the G-2000 instrument panel. The components are labeled as follows:

- G-2-1:** A circular gauge or indicator.
- G-2-2:** The main instrument panel housing with multiple gauge cutouts.
- G-2-3:** A small circular component, likely a lens or seal.
- G-2-4:** A small circular component, likely a lens or seal.
- G-2-5:** A small cylindrical component, likely a pin or spacer.
- G-2-6:** A long, thin rectangular component, likely a display or indicator strip.
- G-2-7:** A small circular component, likely a lens or seal.
- G-2-8:** A small cylindrical component, likely a pin or spacer.
- G-2-9:** A long, thin rectangular component, likely a display or indicator strip.
- G-2-10:** A small cylindrical component, likely a pin or spacer.
- G-2-11:** A small cylindrical component, likely a pin or spacer.
- G-2-12:** A cable or wire harness.
- G-2-13:** A small rectangular component, likely a switch or connector.
- G-2-14:** A small cylindrical component, likely a pin or spacer.
- G-2-15:** A small cylindrical component, likely a pin or spacer.

The diagram shows the relative positions and assembly points for these components, with dashed lines indicating the alignment and fit of each part.

G-1,G-2 : 08300003I000 Thread Tension Unit Ass'Y

The logo of the German Society for Quality Management (DGQ) is a black square with a white letter 'G' inside.

G-3

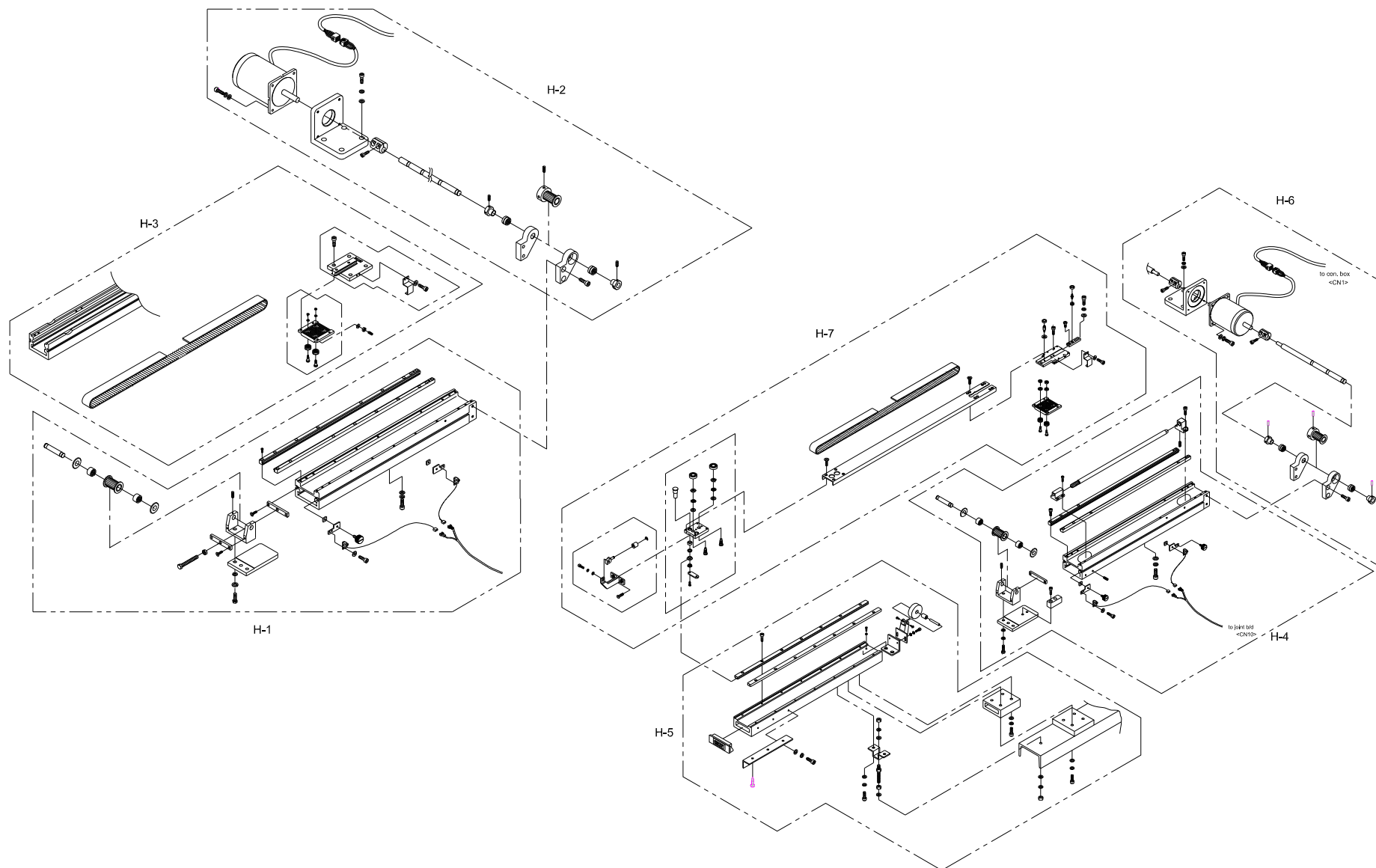
This exploded view diagram illustrates the assembly of the G-3 unit. The components are labeled as follows:

- G-3-1**: A large rectangular base plate with mounting tabs on its sides.
- G-3-2**: Two screws used to secure the base plate to the underlying structure.
- G-3-3**: A small rectangular component that fits into a slot on the side of the base plate.
- G-3-4**: A long, thin metal bar with four circular mounting points.
- G-3-5**: Two screws used to attach the bar to the base plate.
- G-3-6**: A small circular component with a threaded base, likely a cap or spacer.
- G-3-7**: A cable with two connectors, one of which is shown being inserted into a port on the bar.
- G-3-8**: A large, curved metal frame or housing that surrounds the base plate.

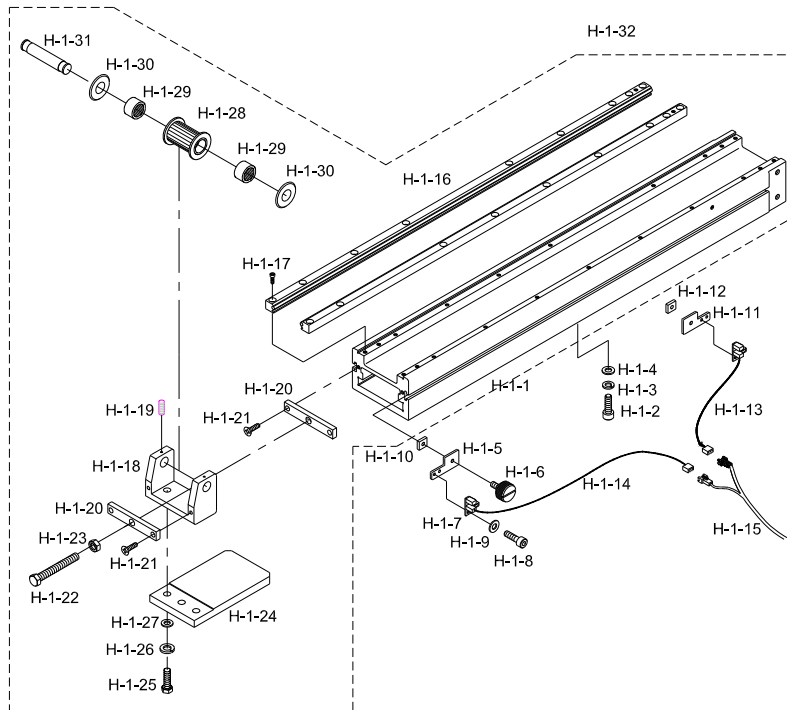
The diagram uses dashed lines to show the alignment and assembly sequence of the parts. A circular symbol with the number 1 is located at the bottom center of the diagram.

Note

X-Y Axis Drive System



H-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-1-1	15010AD-E121	X Cam Roller Guide Frame				1	
H-1-2	15017SC-4113	Hex. Socket Bolt (M8*L45)			O	8	
H-1-3	15095SW-3115	SPRING WASHER (@8)			O	8	
H-1-4	04029SW-A001	Stud Bolt Washer(S) (@8)			O	8	
H-1-5	16078PR-W121	Sensor Bracket (L)				2	
H-1-6	15120SC-A001	Position Adjusting Screw				2	
H-1-7	16062EL-T121	Sensor Set				2	
H-1-8	08006SC-8118	Plus Screw (M3*L5)			O	4	
H-1-9	06011SW-2111	Washer (@3)			O	4	
H-1-10	15121PR-A001	Square Washer				2	
H-1-11	16079PR-W121	Sensor Bracket (R)				1	
H-1-12	15121PR-A001	Square Washer				2	
H-1-13	25046EL-E121	Cable (25-46)				1	
H-1-14	25047EL-E121	Cable (25-47)				1	
H-1-15	25045EL-E121	Cable (25-45)				1	
H-1-16	15037AD-BE01	Cam Roller Guide Rail (L=494)				2	
H-1-17	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				4	
H-1-18	15027DC-A001	Timing Pulley Bracket (C)				2	
H-1-19	03022SC-4517	Hex. Socket Set Screw(M4*L5)			O	4	
H-1-20	15056PR-A001	Tension Plate (W) (Belt:48)				2	
H-1-21	15089SC-7119	C.S Screw (M4*L12)			O	4	
H-1-22	15058SC-1211	Hex. Bolt (M6*L58)			O	2	
H-1-23	14064SN-7311	Hex.Nut (M6-No3)			O	2	
H-1-24	15024CW-A001	Timing Pulley Tension Base(N)				2	
H-1-25	15028SC-1111	Hex. Bolt (M6*L20)			O	6	
H-1-26	16014SW-4115	Spring Washer (@6)			O	6	
H-1-27	08057SW-1111	Washer (@6)			O	6	
H-1-28	04002600H000	TIMING PULLEY(16-S5M-32F)				1	
H-1-29	15042BR-A001	Needle Bearing (1210Zz)			O	4	
H-1-30	15046RB-A001	Driving Pin Washer (Tw1225)				4	
H-1-31	04104400B000	Timing Pulley Driving Pin				2	
H-1-32	15024BM-E121	Bracket Fixed Plat Ass' Y				2	

This exploded view diagram illustrates the assembly of the H-2000 Series Motor. The components are labeled as follows:

- H-2-1**: Motor housing
- H-2-20**: Power cord
- H-2-4**, **H-2-3**, **H-2-2**: Mounting hardware for the motor housing
- H-2-5**: Motor base plate
- H-2-6**, **H-2-7**, **H-2-8**: Mounting hardware for the base plate
- H-2-9**: Motor shaft
- H-2-10**: Motor coupling
- H-2-11**: Motor shaft extension
- H-2-12**: Motor coupling
- H-2-13**: Motor coupling
- H-2-14**: Motor coupling
- H-2-15**: Motor coupling
- H-2-16**: Motor coupling
- H-2-17**: Motor coupling
- H-2-18**: Motor coupling
- H-2-19**: Motor coupling
- H-2-21**: Motor coupling

Note



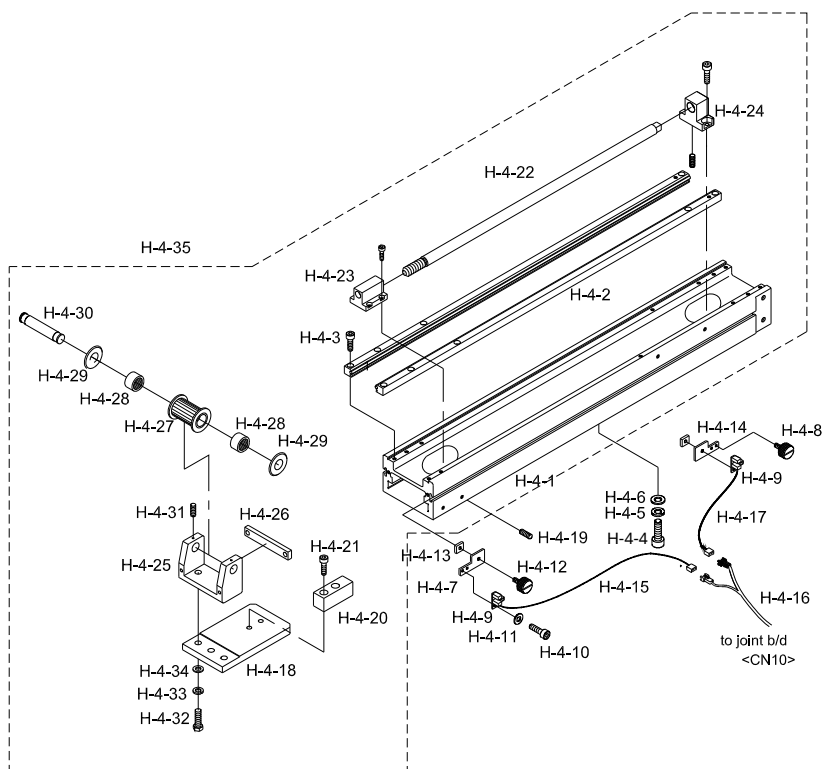
This diagram illustrates the assembly of the H-3-1 component. The main assembly is shown in an exploded view, with the H-3-1 component at the center. The assembly includes the following parts:

- H-3-1**: The main component, a long, narrow, rectangular piece with a textured surface.
- H-3-2**: A small, rectangular component with a textured surface, located below the main assembly.
- H-3-3**: A small, rectangular component with a textured surface, located to the left of the main assembly.
- H-3-4**: A small, rectangular component with a textured surface, located to the right of the main assembly.
- H-3-5**: A small, rectangular component with a textured surface, located below the main assembly.
- H-3-6**: A small, rectangular component with a textured surface, located to the left of the main assembly.
- H-3-7**: A small, rectangular component with a textured surface, located to the right of the main assembly.
- H-3-8**: A small, rectangular component with a textured surface, located to the left of the main assembly.
- H-3-9**: A small, rectangular component with a textured surface, located to the right of the main assembly.
- H-3-10**: A small, rectangular component with a textured surface, located to the left of the main assembly.
- H-3-11**: A small, rectangular component with a textured surface, located to the right of the main assembly.
- H-3-12**: A small, rectangular component with a textured surface, located to the left of the main assembly.
- H-3-13**: A small, rectangular component with a textured surface, located to the right of the main assembly.
- H-3-14**: A small, rectangular component with a textured surface, located to the left of the main assembly.

Note

[illegible]

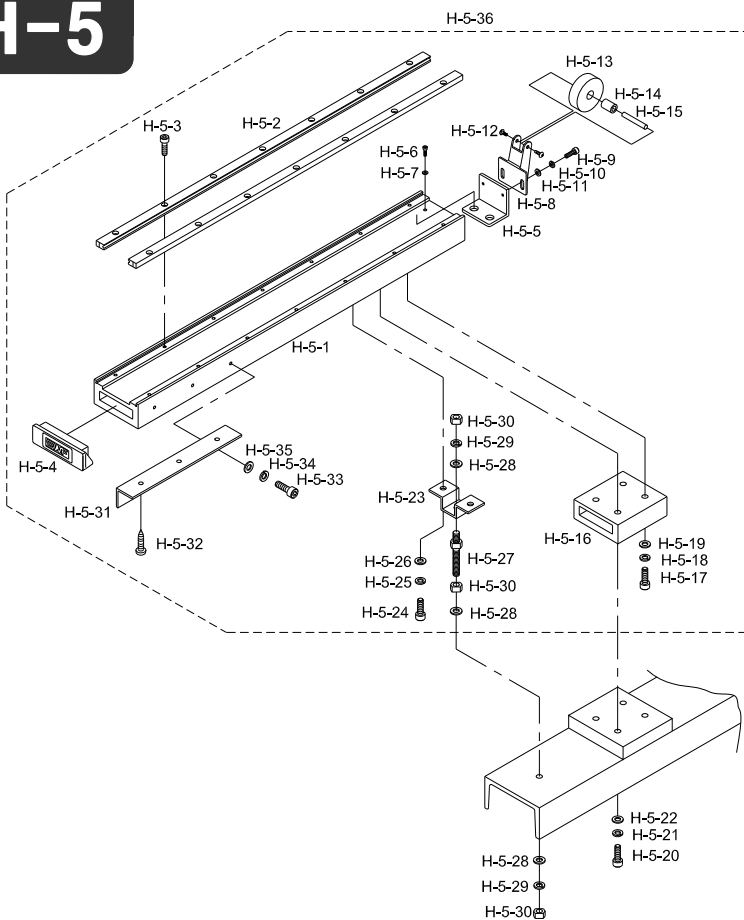
H-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-4-1	GP-019796-00	Y Cam Roller Guide Bracket A	Jul,28,06 ~	X		2	
H-4-2	15030AD-B001	Y Cam Roller Guide Rail L=633				4	
H-4-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				16	
H-4-4	15017SC-4113	Hex. Socket Bolt (M8*L45)			O	16	
H-4-5	15095SW-3115	Spring Washer (@8)			O	16	
H-4-6	04029SW-A001	Stud Bolt Washer(S) (@8)			O	16	
H-4-7	16078PR-W121	Sensor Bracket (L)				2	
H-4-8	15120SC-A001	Position Adjusting Screw				2	
H-4-9	16062EL-T121	Sensor Set				2	
H-4-10	08006SC-8118	Plus Screw (M3*L5)			O	4	
H-4-11	06011SW-2111	Washer (@3)			O	4	
H-4-12	08037AF-4517	Hex. Socket Set Screw M6*L10			O	4	
H-4-13	15056PR-B001	Square Washer				2	
H-4-14	16079PR-W121	Sensor Bracket (R)				1	
H-4-15	25055EL-W121	Cable (25-55)				1	
H-4-16	25048EL-E121	Cable (25-48)				1	
H-4-17	25056EL-W121	Cable (25-56)				2	
H-4-18	04302300B000	Timing Pulley Tension Base(W)				2	
H-4-19	15090SC-B001	Hex.Socket Set Screw (M6*L10)			O	6	
H-4-20	04200600B000	Adjusting Shaft Stopper				2	
H-4-21	14006SC-7113	Hex.Socket Set Screw(M8*L15)			O	4	
H-4-22	15033CW-B001	Y-Adjusting Shaft				2	
H-4-23	04200400B000	Y Adjusting Shaft Guide (A)				2	
H-4-24	04200500B000	Y Adjusting Shaft Guide (B)				2	
H-4-25	15026DC-A001	Timing Pulley Bracket (N)				2	
H-4-26	15055PR-A001	Tension Rivet Plate (W) W:48				2	
H-4-27	04500100E000	TIMMING PULLEY(16-S5M-32F)				2	
H-4-28	15042BR-A001	Needle Bearing (1210Zz)			O	2	
H-4-29	15046RB-A001	Driving Pin Washer (Tw1225)				4	
H-4-30	04104300B000	Timing Pulley Driving Pin "A"				2	
H-4-31	03022SC-4517	Hex. Socket Set Screw(M4*L5)			O	4	
H-4-32	15028SC-1111	Hex. Bolt (M6*L20)			O	6	
H-4-33	03026SW-9115	Spring Washer (@6)			O	6	
H-4-34	08057SW-1111	Washer (@6)			O	6	
H-4-35	15023BM-E121	Bracket Fixed Plat Ass' Y				2	

H-5



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-5-1	15090AD-B001	V-Rail Bracket				2	
H-5-2	15085AF-A001	Y-Axis Rail Guide				4	
H-5-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				4	
H-5-4	15092RB-B001	V-RAIL SUPPORT RUBBER CAP				2	
H-5-5	GP-013196-00	Supprot Bracket	Nov,10,05 ~	X		2	
H-5-6	14006SC-4113	Hex.Socket Bolt(M8*L15)			O	4	
H-5-7	15077SW-2111	Washer (@8)			O	4	
H-5-8	GP-006914-00	Roller Bracket	Jan,12,05 ~ Jun,02,05	X		2	
	GP-006914-01		Jun,02,05 ~ May,03,06	△			
	GP-006914-02		May,03,06 ~	△			
H-5-9	02015SC-7113	Hex.Socket Bolt(M4*L10)			O	4	
H-5-10	18014SW-3115	Spring Washer (@4)			O	4	
H-5-11	18015SW-3111	Washer (@4)			O	4	
H-5-12	09005SC-3123	Truss Screw(M3*L6)			O	4	
H-5-13	GP-006917-00	Guide Roller	Jan,12,05 ~ Jun,02,05	X		2	
	GP-006917-01		Jun,02,05 ~	△			
H-5-14	GP-006918-00	Guide Roller Bushing	Jan,12,05 ~ Jun,02,05	X		4	
	GP-006918-01		Jun,02,05 ~	△			
H-5-15	PN-000133-00	Roller Pin	Jan,12,05 ~	X		2	
H-5-16	15095AD-B001	Spacer				2	
H-5-17	14027SC-4113	Hex.Socket Bolt (M8*L30)			O	4	
H-5-18	15095SW-3115	Spring Washer (@8)			O	4	
H-5-19	08041SW-1111	Washer (@8-S)			O	4	
H-5-20	14006SC-7113	Hex.Socket Set Screw(M8*L15)			O	4	
H-5-21	15095SW-3115	Spring Washer (@8)			O	4	
H-5-22	08041SW-1111	Washer (@8-S)			O	4	
H-5-23	15097PR-B001	Stud Bracket				2	
H-5-24	14006SC-7113	Hex.Socket Set Screw(M8*L15)			O	4	
H-5-25	15095SW-3115	Spring Washer (@8)			O	4	
H-5-26	08041SW-1111	Washer (@8-S)			O	4	
H-5-27	15096CW-B001	Stud Bolt (M8*L90)				2	
H-5-28	08041SW-1111	Washer (@8-S)			O	6	
H-5-29	15095SW-3115	Spring Washer (@8)			O	6	
H-5-30	04032SN-A001	Hex. Nut (M8-No2)			O	6	
H-5-31	15093AD-B001	Table Support				8	

Note



H-6

The diagram illustrates the assembly of the H-6 unit. Key components and their assembly sequence are as follows:

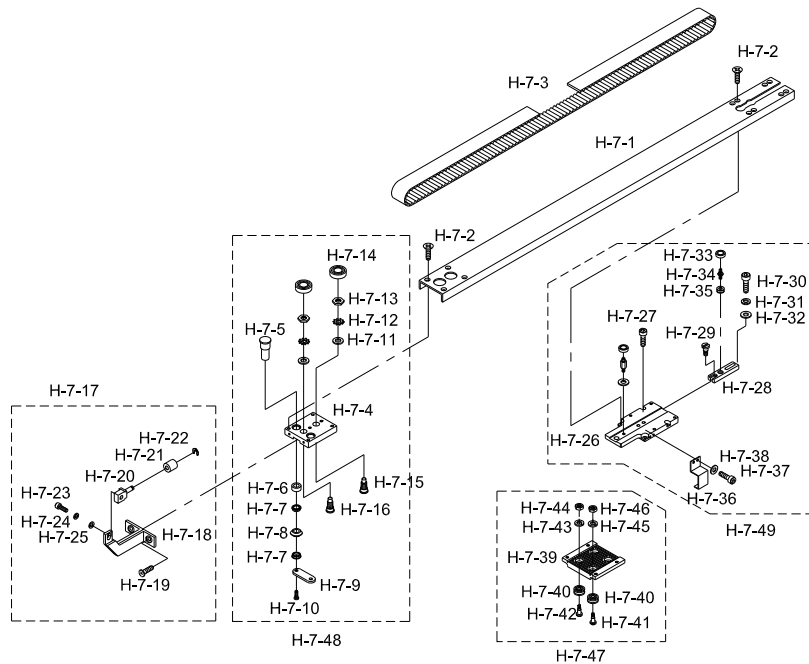
- Motor and Mounting:** The motor (H-6-1) is mounted onto the square base plate (H-6-5) using the mounting bracket (H-6-4), screws (H-6-3), and washers (H-6-2).
- Wiring:** The power cord (H-6-21) is connected to the motor's terminal block (H-6-9) and the control box (CN1).
- Control Rod:** The control rod (H-6-12) is inserted into the motor's shaft (H-6-10) and secured with the nut (H-6-9).
- Bracket Assembly:** The bracket (H-6-13) is attached to the control rod using the pin (H-6-16), washers (H-6-17), and nut (H-6-18).
- Final Assembly:** The bracket assembly is mounted onto the main frame (H-6-14) using the pin (H-6-15).

Additional components shown include the control box (CN1), the control rod (H-6-12), and the bracket (H-6-13).

Note



H-7



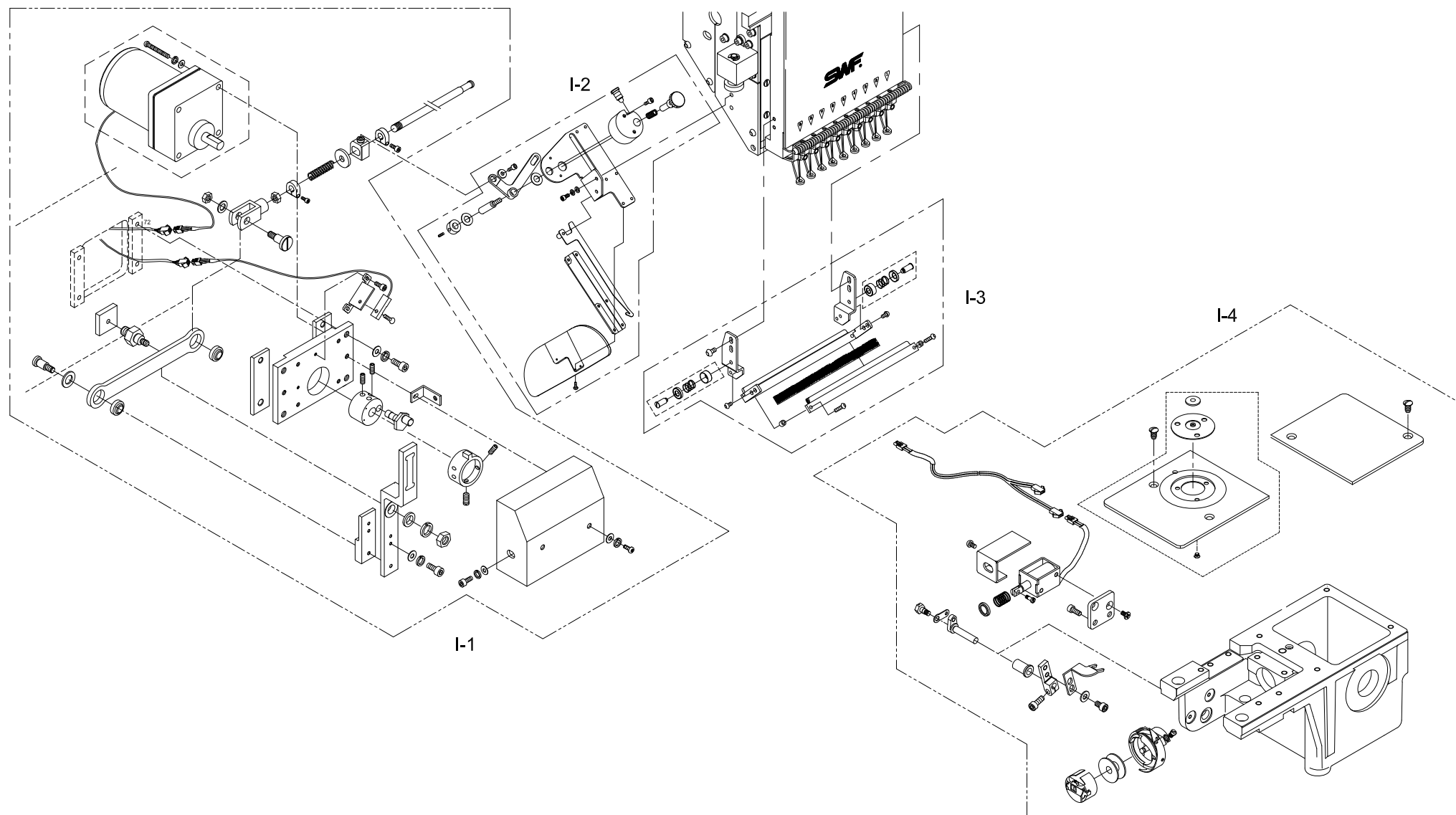
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-7-1	GP-021803-00	Connection Cover "C"	Sep,25,06 ~	X		2	
H-7-2	15084SC-7119	C.S Screw (M4*L6)			O	16	
H-7-3	15051BT-A001	Y-Drive Timing Belt (W:35)				2	
H-7-4	08407100B000	Y-Axis Feed Plate "D"				2	
H-7-5	15076CW-A031	Rail Guide Pin "C"				4	
H-7-6	15092CW-A031	Stopper Washer				4	
H-7-7	15106BR-A001	Flange Bearing (1280Zz)			O	8	
H-7-8	15130AF-A001	Roller Guide				4	
H-7-9	15137PR-A001	Rail Guide Shaft Bracket				2	
H-7-10	05028SC-A001	Holder Screw				4	
H-7-11	15077SW-2111	Washer (8@-S)			O	4	
H-7-12	15078SW-8113	Toothed Lock Washer (@8)			O	4	
H-7-13	15079SN-2311	Rail Guide Shaft Nut				4	
H-7-14	15077BR-B001	Ball Bearing (Lr606Nppu)			O	4	
H-7-15	15075CW-B001	Rail Guide Pin "B"				2	
H-7-16	15074CW-B001	Rail Guide Pin "A"				2	
H-7-17	15134BM-B001	Roller Bracket Ass'Y				2	
H-7-18	08000700B000	Bracket				2	
H-7-19	02002SC-7119	Plus Screw (M4*L8)			O	4	
H-7-20	10507400B000	Roller Position Adjusting Pin				2	
H-7-21	15133CW-B001	Roller				2	
H-7-22	15159SR-4013	E-Ring (3@)			O	2	
H-7-23	02023SC-7113	Hex. Socket Bolt (M4*L8)			O	2	
H-7-24	18014SW-3115	Spring Washer (@4-No2)			O	2	
H-7-25	18015SW-3111	Washer (4@)			O	2	
H-7-26	GP-019795-00	Bearing Block (C)	Jul,28,06 ~	X		2	
H-7-27	15067SC-A001	Hex.Socket Bolt (M4*L7)			O	8	
H-7-28	GP-006299-00	ADJUSTING BLOCK FOR BEARING	Dec,18,04 ~	X		2	
H-7-29	15074SC-A001	Stopper Stud				2	
H-7-30	02031SC-7113	Hex. Socket Screw (M5*L10)			O	4	
H-7-31	18048SW-3115	Spring Washer (@5)			O	4	
H-7-32	WS-000083-00	@5 - Washer	Dec,20,04 ~	X	O	4	
H-7-33	15077BR-B001	Ball Bearing (Lr606Nppu)			O	4	
H-7-34	15098CW-A001	Rail Guide Pin "B"				2	
H-7-35	18111CW-B001	Frame 'E' Roller				2	
H-7-36	15122PR-E121	Zero Point Sensor Plate				1	
H-7-37	07035SC-7113	Bracket Screw (M3*L6)			O	2	

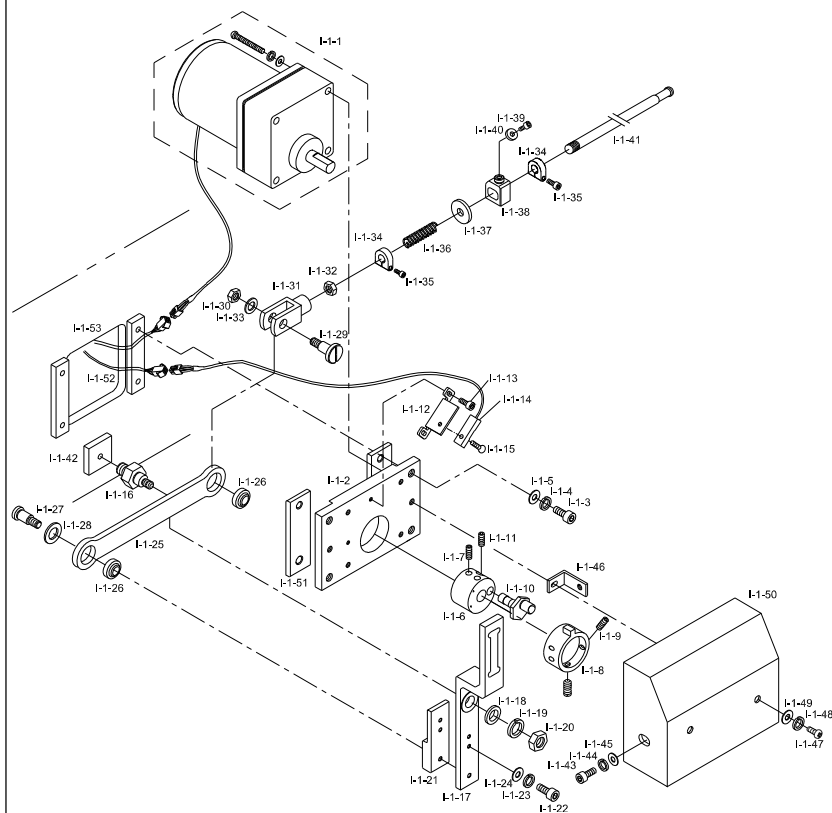
Note

[illegible]

Setting



I-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-1-1	EP-000141-00	Upper Thread Hook Motor Unit	Mar,22,06 ~	X		1	
I-1-2	03003210H000	MOTOR BASE				1	
I-1-3	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	4	
I-1-4	16014SW-4115	Spring Washer (@6)			O	4	
I-1-5	08057SW-1111	Washer (@6)			O	4	
I-1-6	03003300H000	Cam Shaft Fixing Block				1	
I-1-7	05008MC-4517	Hex.Socket Bolt(M5*L8)			O	2	
I-1-8	GP-005184-00	SENSOR SENSING ADJUSTING RING	Oct,14,04 ~ May,19,05	X		1	
	GP-005184-01		May,19,05 ~	△			
I-1-9	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	2	
I-1-10	03003500H000	Motor Driving Cam Shaft				1	
I-1-11	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	1	
I-1-12	GP-005180-00	UPPER THREAD HOOK SENSOR BASE	Oct,13,04 ~	X		1	
I-1-13	07035SC-7113	Bracket Screw (M3*L6)			O	2	
I-1-14	15-027A-2070	SENSOR				1	
I-1-15	13061SC-8119	Plus Screw (M3*L10)			O	1	
I-1-16	03003810H000	Stud Bolt For Driving Plate				1	
I-1-17	03003910H000	Upper Thread Driving Plate				1	
I-1-18	WS-000549-00	Stud Bolt Washer	Feb,20,09 ~ Jun,24,09	X		1	
	WS-000549-01		Jun,24,09 ~	△			
I-1-19	15095SW-3115	Spring Washer (@8)			O	1	
I-1-20	04032SN-A001	Hex. Nut (M8-No2)			O	1	
I-1-21	GP-021754-00	Driving Plate Block"C"	Sep,21,06 ~	X		1	
I-1-22	18047SC-7113	Hex.Socket Bolt (M5*L15)			O	2	
I-1-23	18048SW-3115	Spring Washer (5@)			O	2	
I-1-24	18049SW-3111	Washer (@5)			O	2	
I-1-25	03004200HH00	MOTOR DRIVING CONNECT PLATE				1	
I-1-26	03004400H000	Motor Driving Connect Bearing				2	
I-1-27	03008300H000	Connecting Plate Stud Screw A				1	
I-1-28	03004500H000	Connecting Plate Pin Washer				1	
I-1-29	03004700H000	Connecting Plate Stud Screw				1	
I-1-30	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
I-1-31	03004800H000	Connecting Plate Knuckle				1	
I-1-32	04032SN-A001	Hex. Nut (M8-No2)			O	1	
I-1-33	16014SW-4115	SPRING WASHER (@6)			O	1	
I-1-34	LWP-BK0003-00	Return Spring Stopper	Dec,28,10 ~	X		8	
	LWP-BK0003-01		Jul,01,11 ~	△			
I-1-35	05008SC-4113	Hex.Socket Bolt (M4*L16)			O	8	
I-1-36	03002700H000	Return Spring				4	

This diagram illustrates the exploded view of the front panel assembly. The components are labeled with part numbers and assembly sequence indicators (I-1-1 through I-1-50). The assembly process involves mounting the front panel (I-1-2) onto a base structure, securing it with screws (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-1-13, I-1-14, I-1-15, I-1-16, I-1-17, I-1-18, I-1-19, I-1-20, I-1-21, I-1-22, I-1-23, I-1-24, I-1-25, I-1-26, I-1-27, I-1-28, I-1-29, I-1-30, I-1-31, I-1-32, I-1-33, I-1-34, I-1-35, I-1-36, I-1-37, I-1-38, I-1-39, I-1-40, I-1-41, I-1-42, I-1-43, I-1-44, I-1-45, I-1-46, I-1-47, I-1-48, I-1-49, I-1-50). The front panel (I-1-2) features a central circular opening and a rectangular cutout. The base structure includes a mounting bracket (I-1-1) and a control panel (I-1-50) with a handle (I-1-49) and a lock (I-1-47). The assembly is shown in a perspective view, with dashed lines indicating the alignment and sequence of parts.

Note

O

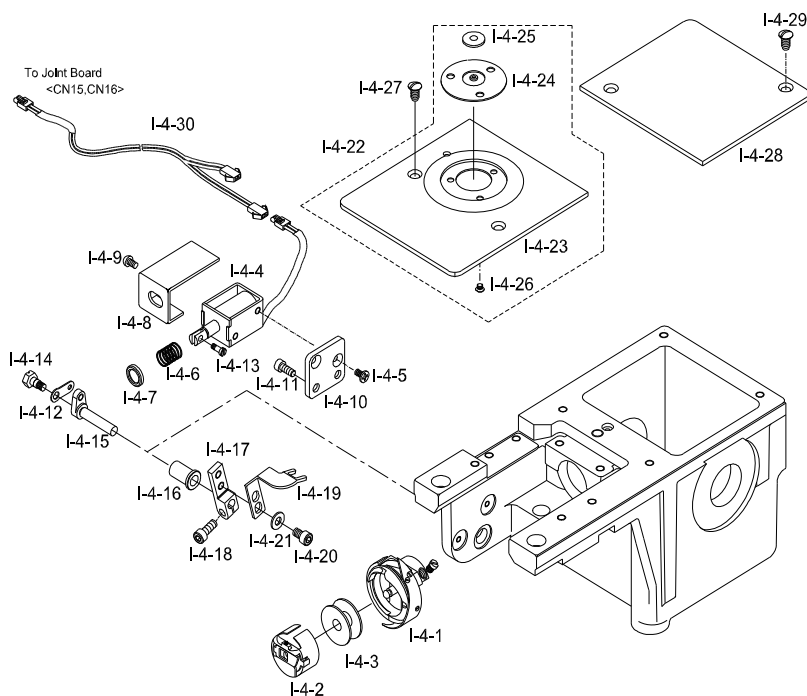
I-2

The diagram illustrates the assembly of the I-2 component. It shows a main assembly area enclosed in a dashed line, with a separate view of a component being installed into a larger structure. The main assembly includes a base plate (I-2-1) with various mounting points. A long, thin component (I-2-8) is shown being inserted into a slot. A bracket (I-2-9) is attached to the side. A series of small, round components (I-2-10, I-2-11, I-2-12) are shown being inserted into a row of holes. A small, rectangular component (I-2-5) is shown being inserted into a slot. A small, rectangular component (I-2-6) is shown being inserted into a slot. A small, rectangular component (I-2-7) is shown being inserted into a slot. A small, rectangular component (I-2-13) is shown being inserted into a slot. A small, rectangular component (I-2-14) is shown being inserted into a slot. A small, rectangular component (I-2-15) is shown being inserted into a slot. A small, rectangular component (I-2-16) is shown being inserted into a slot. A small, rectangular component (I-2-17) is shown being inserted into a slot. A small, rectangular component (I-2-18) is shown being inserted into a slot. A small, rectangular component (I-2-19) is shown being inserted into a slot. The diagram also shows a component being installed into a larger structure, which is labeled with the 'SMF' logo.

Note

O

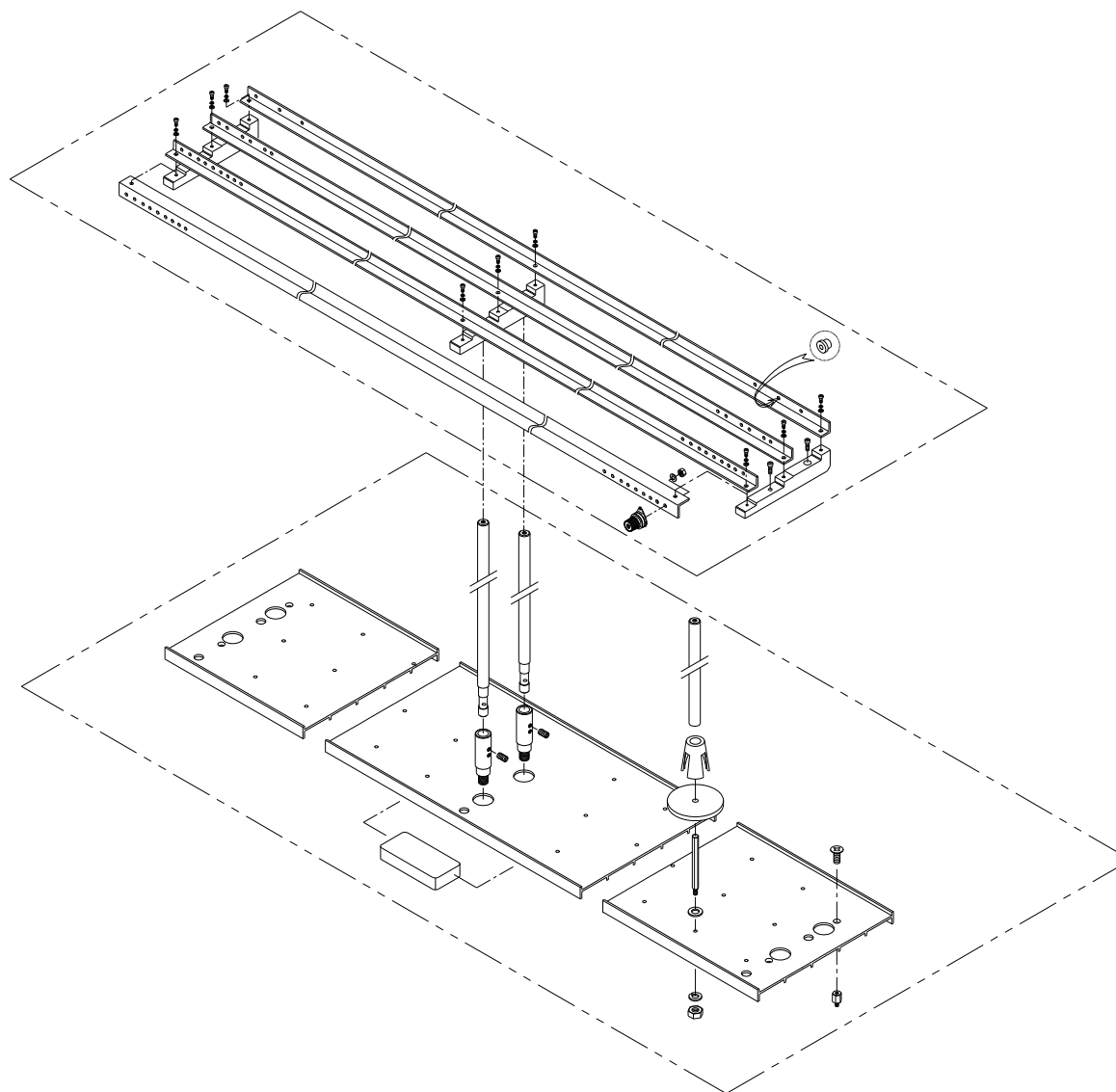
I-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-4-1	04033AF-D002	Rotary Hook				4	
I-4-2	04034AF-A001	Bobbin Case Set				4	
I-4-3	04035AF-A001	Bobbin				4	
I-4-4	AS-003234-00	Picker Sol. Set	Aug,18,05 ~ Jul,06,06	X		4	
	AS-003234-01		Jul,06,06 ~ Sep,22,06	△			
	AS-003234-02		Sep,22,06 ~	△			
I-4-5	10010SC-8119	Plus Screw (M3*L5)			O	4	
I-4-6	10011SP-A001	Sol. Spring				4	
I-4-7	10012RB-A001	Cushion Washer				4	
I-4-8	10013PM-A001	Picker Sol. Cover				4	
I-4-9	06010AF-8118	Plus Screw(M3*L4)			O	8	
I-4-10	10015PR-A001	Picker Sol. Base				4	
I-4-11	02023SC-7113	Hex. Socket Bolt (M4*L8)			O	8	
I-4-12	10019PR-A001	Connecting Link				4	
I-4-13	10010SC-8119	Plus Screw (M3*L5)				4	
I-4-14	10020SC-A001	Connecting Link Stud Screw				4	
I-4-15	10006FU-A001	Picker Connecting Crank				4	
I-4-16	08015PM-A001	Bushing				4	
I-4-17	10004CW-A001	Picker Holder				4	
I-4-18	02023SC-7113	Hex. Socket Bolt (M4*L8)			O	4	
I-4-19	10001AF-A001	Picker				4	
I-4-20	02014SC-7113	Hex. Socket Bolt (M4*L5)			O	8	
I-4-21	06003SW-2111	Washer (@4)			O	8	
I-4-22	12000110B000	NEEDEL PLATE SET				4	
I-4-23	12000300B000	NEEDLE PLATE				4	
I-4-24	12000400B000	NEEDLE PLATE ATTACHMENT				4	
I-4-25	04043RB-B001	Needle Plate Cushion Rubber				4	
I-4-26	04007SC-A001	Cushion Cover Screw (M3*L2.3)				12	
I-4-27	04004AF-A001	Needle Plate Screw				8	
I-4-28	04008PR-A001	Hook Base Cover				4	
I-4-29	04004AF-A001	Needle Plate Screw				8	
I-4-30	02102000HDK2	Picker Sol.Connet From J/B				1	

Spool



[illegible]

Note	
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[illegible]

This diagram illustrates the exploded view of the J-2-14 assembly. The main components are labeled as follows:

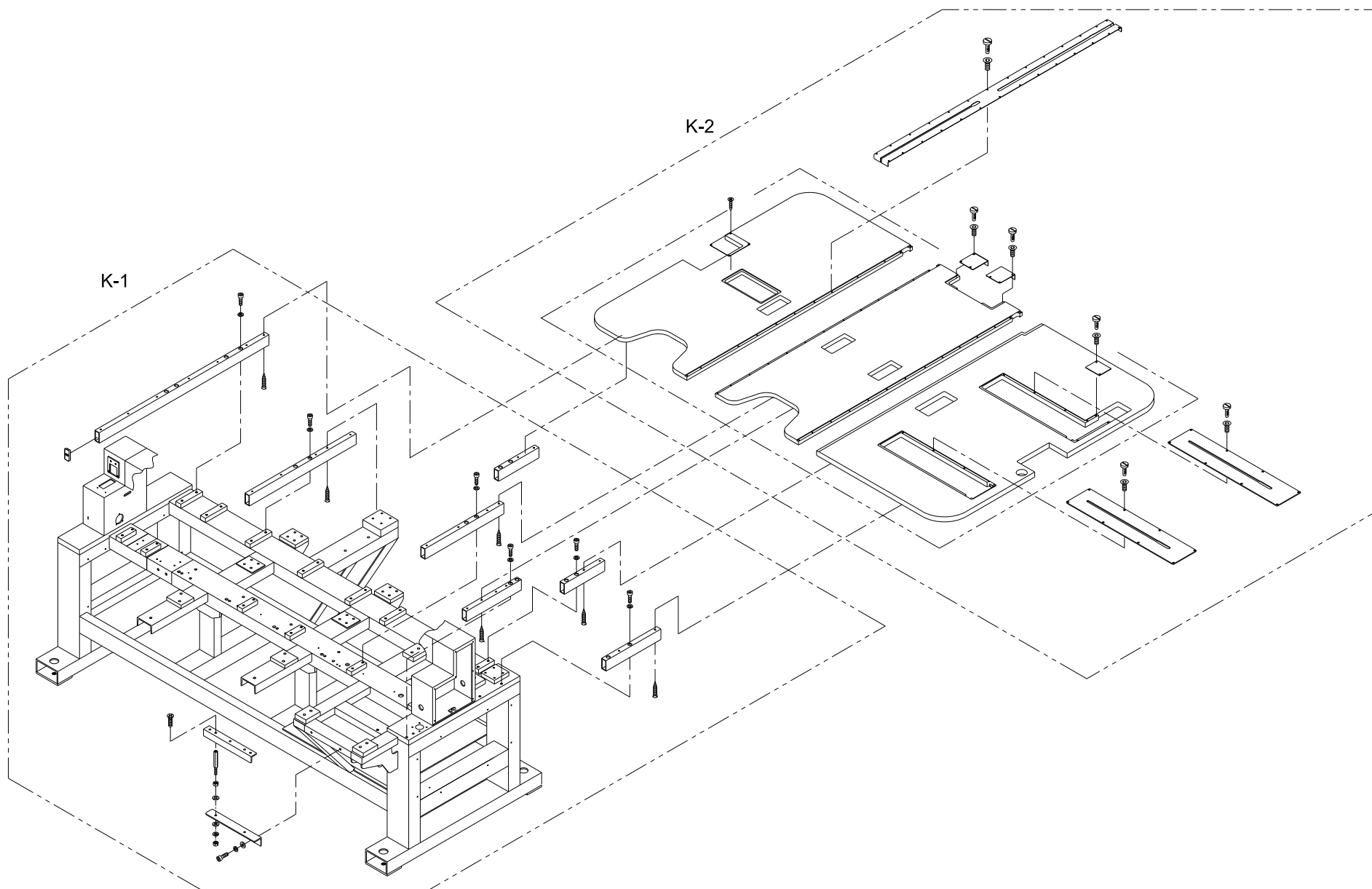
- J-2-1**: The top horizontal rail.
- J-2-2**: The middle horizontal rail.
- J-2-3**: The bottom horizontal rail.
- J-2-4**: The base rail.
- J-2-5**: A small vertical support component.
- J-2-6**: A small vertical support component.
- J-2-7**: A small vertical support component.
- J-2-8**: A small vertical support component.
- J-2-9**: A small vertical support component.
- J-2-10**: A large cylindrical component.
- J-2-11**: A small cylindrical component.
- J-2-12**: A small cylindrical component.
- J-2-13**: A small cylindrical component.
- J-2-14**: The main assembly unit.

The diagram shows the relative positions and assembly points for these components, with dashed lines indicating the alignment and fit of the parts.



Note	
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Work Table



This exploded view diagram illustrates the assembly of the K-111 machine frame. The main frame structure is shown in the center, with various components and fasteners labeled around it. Key components include:

- K-1-1**: A long horizontal beam at the top left.
- K-1-2**: A small vertical pin or screw.
- K-1-3**: A small vertical pin or screw.
- K-1-4**: A small vertical pin or screw.
- K-1-5**: A small vertical pin or screw.
- K-1-6**: A long horizontal beam at the top right.
- K-1-7**: A small vertical pin or screw.
- K-1-8**: A small vertical pin or screw.
- K-1-9**: A small vertical pin or screw.
- K-1-10**: A small vertical pin or screw.
- K-1-11**: A small vertical pin or screw.
- K-1-12**: A small vertical pin or screw.
- K-1-13**: A small vertical pin or screw.
- K-1-14**: A small vertical pin or screw.
- K-1-15**: A small vertical pin or screw.
- K-1-16**: A small vertical pin or screw.
- K-1-17**: A small vertical pin or screw.
- K-1-18**: A small vertical pin or screw.
- K-1-19**: A small vertical pin or screw.
- K-1-20**: A small vertical pin or screw.
- K-1-21**: A small vertical pin or screw.

The diagram shows the relative positions of these components and the fasteners used to assemble them, providing a clear guide for the construction of the machine frame.

[illegible]

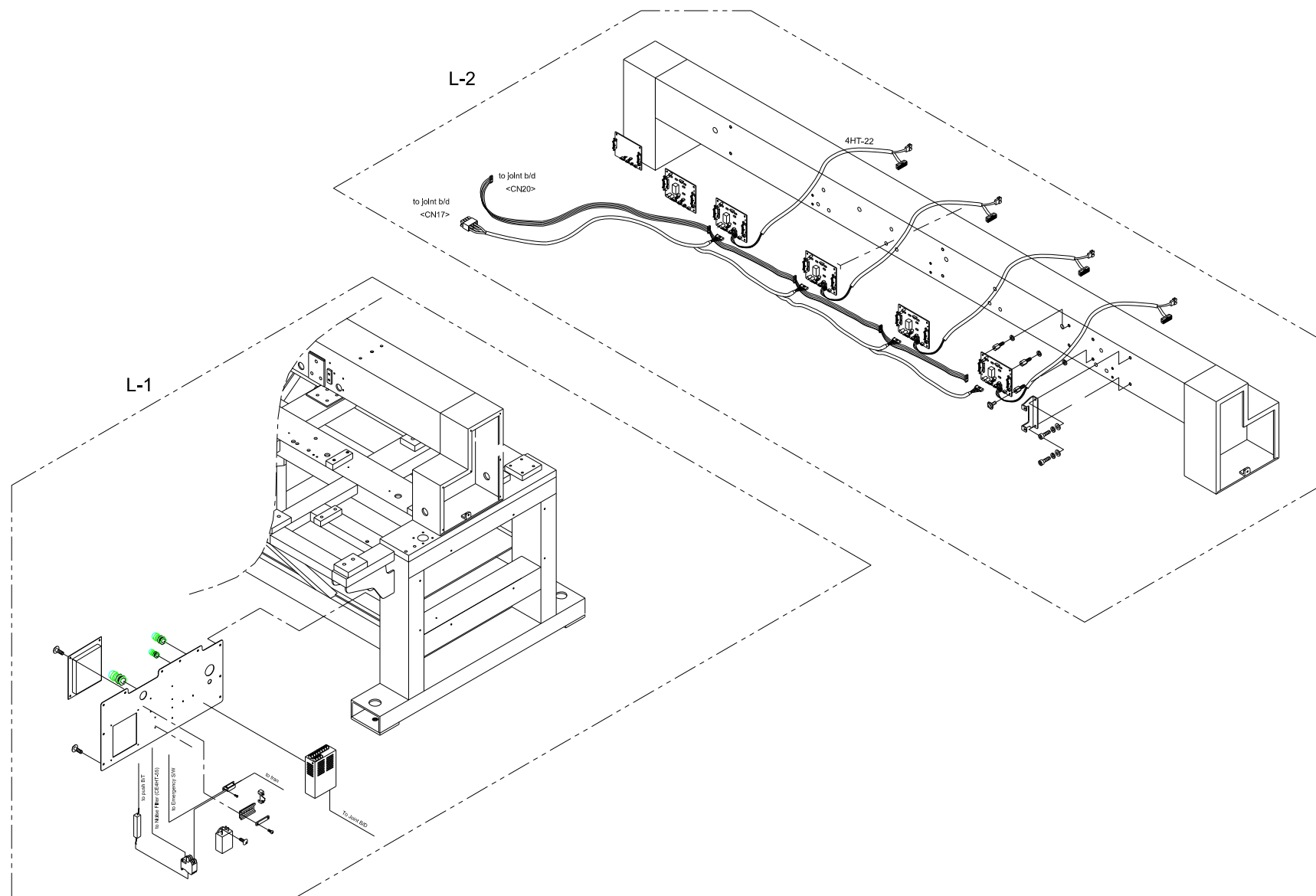
This diagram illustrates the exploded view of the K-2 assembly. The main components and their assembly points are labeled as follows:

- K-2-1**: The main base plate.
- K-2-2**: A small rectangular component attached to the top left of the base plate.
- K-2-3**: A small rectangular component attached to the top left of the base plate.
- K-2-4**: A small rectangular component attached to the top right of the base plate.
- K-2-5**: A small rectangular component attached to the top right of the base plate.
- K-2-6**: A small rectangular component attached to the top right of the base plate.
- K-2-7**: A small rectangular component attached to the top right of the base plate.
- K-2-8**: A long, narrow rectangular component attached to the top right of the base plate.
- K-2-9**: A long, narrow rectangular component attached to the top right of the base plate.
- K-2-10**: A small rectangular component attached to the bottom right of the base plate.
- K-2-11**: A long, narrow rectangular component attached to the top left of the base plate.

Note

[illegible]

Cable

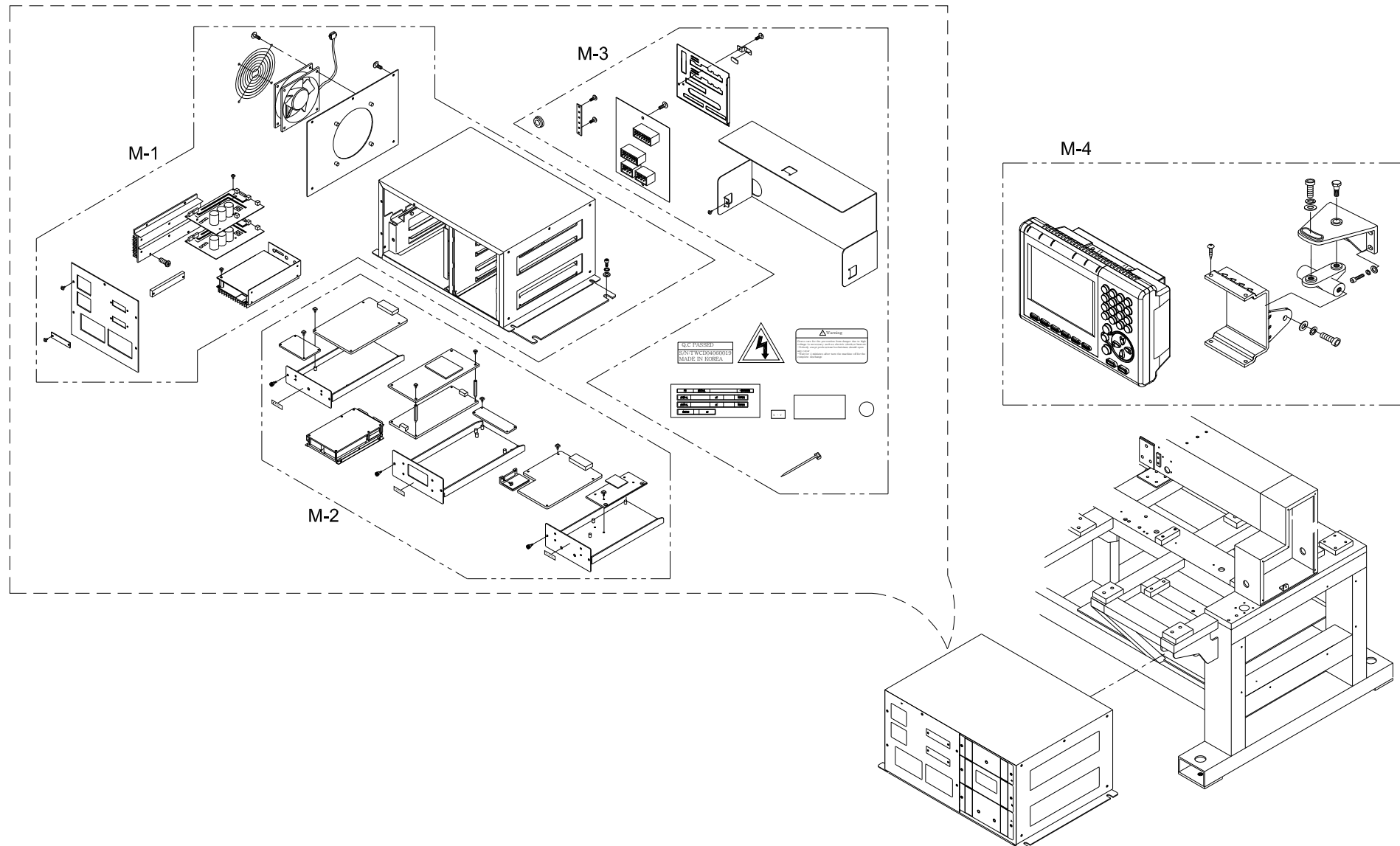




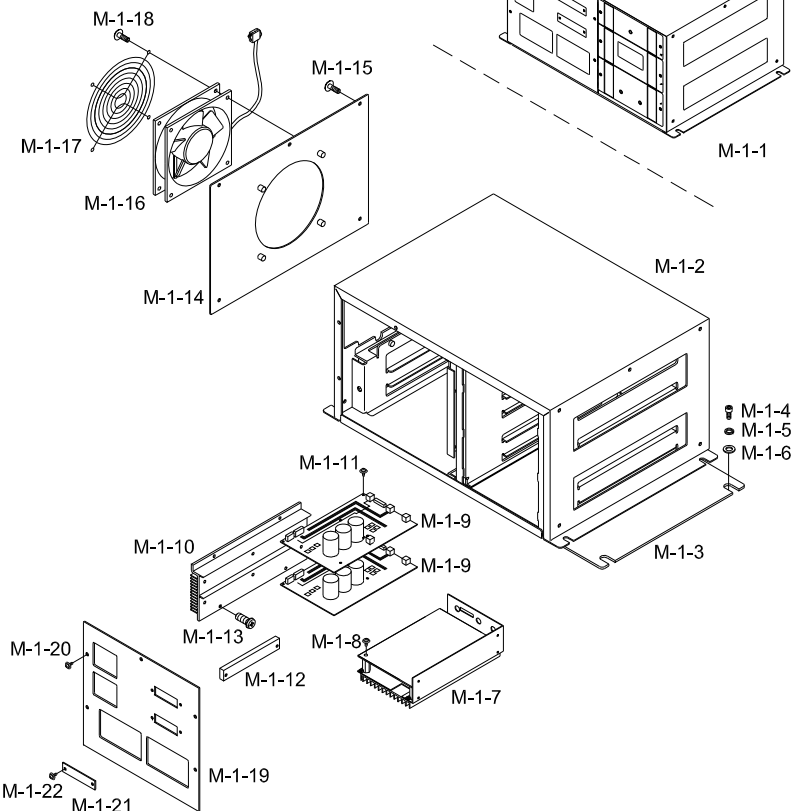
Note	
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Con Box & OP Box



M-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-1-1	SWF-00000457	Control Box Assy(BD-000542-00 , 110V/2.0A)				1	
	SWF-00000461	Control Box Assy(BD-000543-00 , 220V/2.0A)				1	
	SWF-00000484	Control Box Assy(BD-000544-00 , 110V/2.5A)				1	
	SWF-00000485	Control Box Assy(BD-000545-00 , 220V/2.5A)				1	
	SWF-00000486	Control Box Assy(BD-000146-03 , 110V/3.5A)				1	
	SWF-00000487	Control Box Assy(BD-000044-03 , 220V/3.5A)				1	
M-1-2	GP-016016-00	Control Box	Mar,02,06 ~ Jun,23,06	X		1	
	GP-016016-01		Jun,23,06 ~ Sep,01,06	△			
	GP-016016-02		Sep,01,06 ~ Feb,02,07	△			
	GP-016016-03		Feb,02,07 ~ May,11,07	△			
	GP-016016-04		May,11,07 ~	△			
M-1-3	GP-017171-00	Rubber	Apr,14,06 ~	X		2	
M-1-4	18047SC-7113	Control Box Screw (M5xL15)			O	4	
M-1-5	16019SW-4115	Control Box Spring Washer				4	
M-1-6	16018SW-1111	Control Box Washer				4	
M-1-7	BD-000311-00	Main Drive (ASSY)(220V)//BD-000312-00(110V)	Dec,06,05 ~ Feb,24,06	X		1	
	BD-000311-01		Feb,24,06 ~ May,09,06	△			
	BD-000311-02		May,09,06 ~ Nov,30,06	△			
	BD-000311-03		Nov,30,06 ~ Dec,20,06	△			
	BD-000311-04		Dec,20,06 ~ Aug,20,07	△			
	BD-000311-05		Aug,20,07 ~ Mar,11,08	△			
	BD-000311-06		Mar,11,08 ~	△			
M-1-8	07-004S-SM5S	Main Drive Assy Screw (set) (M4xL10)			O	2	
M-1-9	BD-000044-00	X-Y Driver Board(220V)//BD-000146-00(110V)	Jun,24,04 ~ Jul,25,06	X		2	
	BD-000044-01		Jul,25,06 ~ Aug,31,06	△			
	BD-000044-02		Aug,31,06 ~ Mar,15,07	△			
	BD-000044-03		Mar,15,07 ~	△			
M-1-10	GP-015921-00	Driver Radiator	Feb,28,06 ~	X		1	
M-1-11	05008AF-4113	X-Y Driver Board Screw (set) (M4xL16)			O	6	
M-1-12	05-002S-SW70	PCB Guide (TRCG-3300)				4	
M-1-13	07-004S-SM5S	Driver Radiator Screw(set) (M4xL10)			O	4	
M-1-14	GP-016015-00	Side Cover	Mar,02,06 ~	X		1	
M-1-15	10-003M-PT01	Side Cover Screw(M4xL8)			O	5	
M-1-16	01-002A-AT01	COOLING FAN				1	
M-1-17	01-002B-AU12	FAN Cover				1	
M-1-18	01-002M-AU12	FAN Screw (M4xL35)			O	4	
M-1-19	GP-016011-00	Front Cover (L)	Mar,02,06 ~	X		1	

M-1

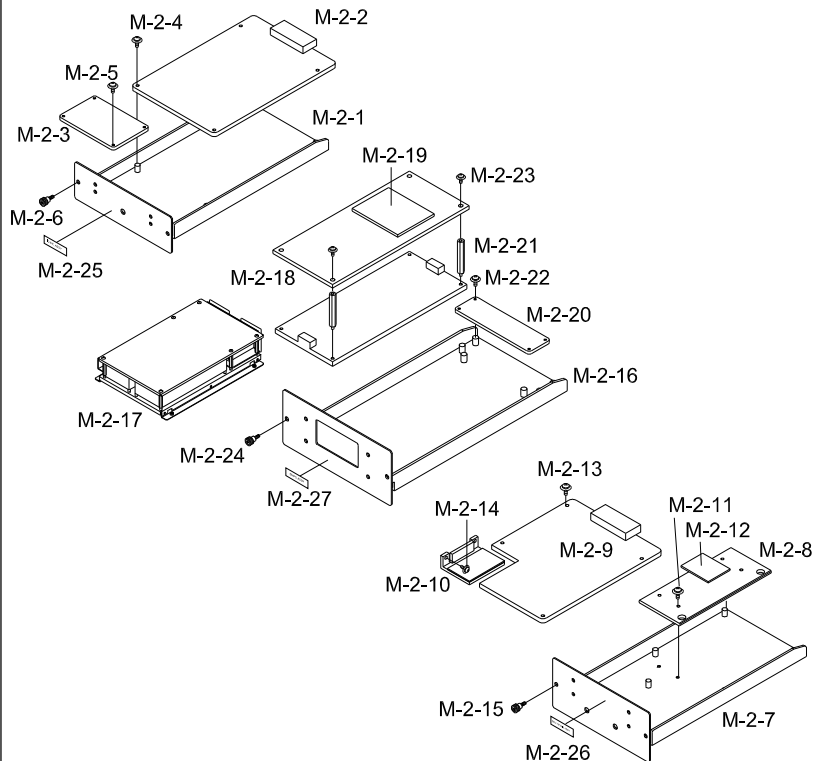
This exploded view diagram illustrates the assembly of the M-1 chassis. The components are labeled as follows:

- M-1-1**: The main chassis unit, shown in a perspective view at the top right.
- M-1-2**: The front panel of the chassis, shown in a perspective view below the main unit.
- M-1-3**: The front panel mounting bracket, shown below the front panel.
- M-1-4**: A screw used to secure the front panel bracket.
- M-1-5**: A screw used to secure the front panel.
- M-1-6**: A screw used to secure the front panel.
- M-1-7**: A component, likely a power supply or fan, shown below the front panel.
- M-1-8**: A component, likely a power supply or fan, shown below the front panel.
- M-1-9**: A component, likely a power supply or fan, shown below the front panel.
- M-1-10**: A component, likely a power supply or fan, shown below the front panel.
- M-1-11**: A component, likely a power supply or fan, shown below the front panel.
- M-1-12**: A component, likely a power supply or fan, shown below the front panel.
- M-1-13**: A component, likely a power supply or fan, shown below the front panel.
- M-1-14**: A component, likely a power supply or fan, shown below the front panel.
- M-1-15**: A component, likely a power supply or fan, shown below the front panel.
- M-1-16**: A component, likely a power supply or fan, shown below the front panel.
- M-1-17**: A component, likely a power supply or fan, shown below the front panel.
- M-1-18**: A component, likely a power supply or fan, shown below the front panel.
- M-1-19**: A component, likely a power supply or fan, shown below the front panel.
- M-1-20**: A component, likely a power supply or fan, shown below the front panel.
- M-1-21**: A component, likely a power supply or fan, shown below the front panel.
- M-1-22**: A component, likely a power supply or fan, shown below the front panel.

Note

M

M-2

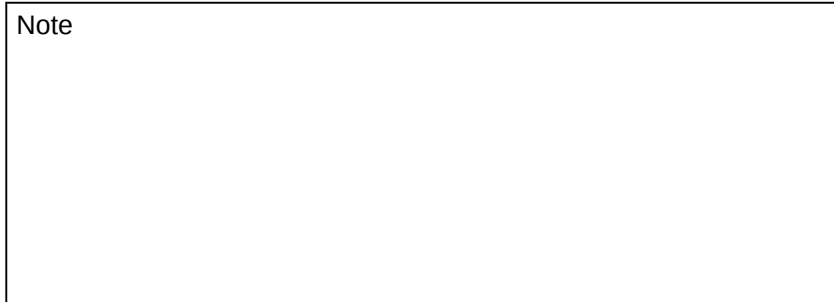


Note

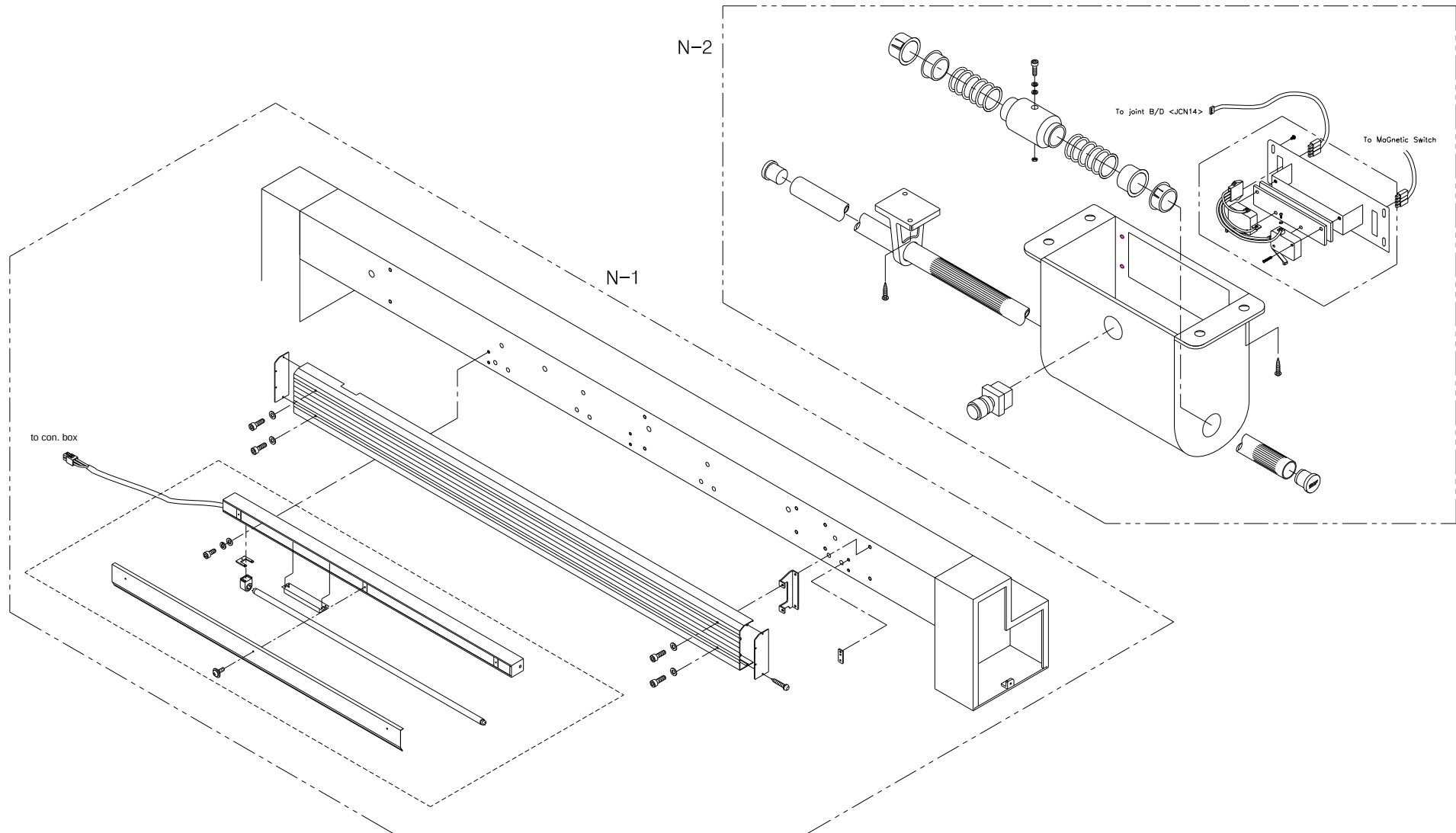
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-2-1	GP-016008-00	IO MC Bracket	Mar,02,06 ~ Jun,19,06	X		1	
	GP-016008-01		Jun,19,06 ~	△			
M-2-2	BD-000306-00	IO MC Board	Dec,05,05 ~ Apr,26,06	X		1	
	BD-000306-01		Apr,26,06 ~ May,15,06	△			
	BD-000306-02		May,15,06 ~ Aug,25,06	△			
	BD-000306-03		Aug,25,06 ~ Feb,14,07	△			
	BD-000306-04		Feb,14,07 ~ May,08,07	△			
	BD-000306-05		May,08,07 ~ Nov,01,07	△			
	BD-000306-06		Nov,01,07 ~ Dec,04,07	△			
	BD-000306-07		Dec,04,07 ~ Aug,09,19	△			
	BD-000306-08		Aug,09,19 ~	△			
M-2-3	BD-000423-00	IO LED Board	Apr,22,06 ~ Jun,15,06	X		1	
	BD-000423-01		Jun,15,06 ~	△			
M-2-4	10-028S-SC53	IO MC Board Screw				4	
M-2-5	10-028S-SC53	IO LED Board Screw(set) (M3xL7)			O	4	
M-2-6	SC-000406-00	IO MC Bracket Screw(캠티브) (M3xL7)	Aug,18,05 ~	X	O	2	
M-2-7	GP-016007-00	DDC Bracket	Mar,02,06 ~ Jun,19,06	X		1	
	GP-016007-01		Jun,19,06 ~	△			
M-2-8	GP-017703-00	DDC Radiator	May,15,06 ~ Jun,19,06	X		1	
	GP-017703-01		Jun,19,06 ~	△			
M-2-9	BD-000387-00	DDC Board	Feb,23,06 ~ Aug,25,06	X		1	
	BD-000387-01		Aug,25,06 ~ Feb,01,07	△			
	BD-000387-02		Feb,01,07 ~ Sep,18,08	△			
	BD-000387-03		Sep,18,08 ~	△			
M-2-10	EP-000149-00	Wiper Motor Driver				1	
M-2-11	10-028S-SC53	DDC Radiator Screw(set) (M3xL7)			O	4	
M-2-12	GP-015654-00	DDC Radiator Sheet	Feb,22,06 ~	X		1	
M-2-13	10-028S-SC53	DDC Board Screw(set) (M3xL7)			O	4	
M-2-14	10-028S-SC53	Wiper Motor Drive Screw(set) (M3xL7)			O	2	
M-2-15	SC-000406-00	DDC Bracket Screw(캠티브)	Aug,18,05 ~	X		2	
M-2-16	GP-016009-00	SMPS Bracket	Mar,02,06 ~	X		1	
M-2-17	EP-000029-00	SMPS	Jul,15,05 ~	X		1	
M-2-18	GP-015653-00	SMPS Radiator	Feb,22,06 ~	X		1	
M-2-19	GP-012118-00	SMPS Radiator Sheet	Sep,22,05 ~	X		1	
M-2-20	BD-000392-00	UNIT Board	Mar,02,06 ~ Jun,15,06	X		1	
	BD-000392-01		Jun,15,06 ~ Sep,01,06	△			
	BD-000392-02		Sep,01,06 ~ Sep,10,08	△			
	BD-000392-03		Sep,10,08 ~	△			

M

75

76

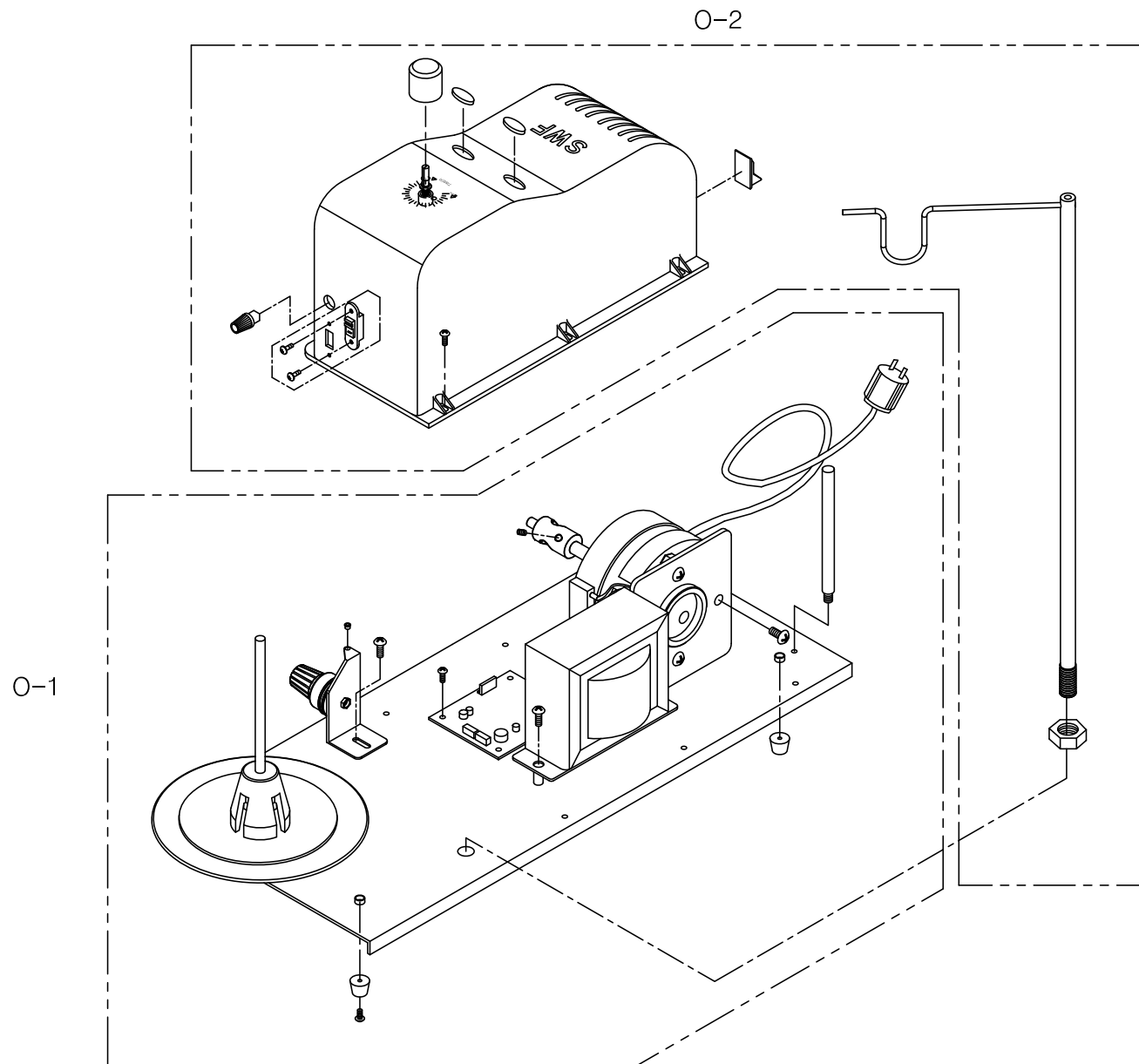
Lamp & Switch



[illegible][illegible]

[illegible]

Bobbin Winder



O-1

This exploded view diagram illustrates the assembly of a mechanical device. The components are numbered as follows:

- O-1-1: Main rectangular base plate.
- O-1-2: A vertical rod passing through a circular flange (O-1-3) and a conical component (O-1-4).
- O-1-3: A circular flange or washer.
- O-1-4: A conical component, possibly a bush or a part of a bearing.
- O-1-5: A small cylindrical component, likely a pin or a small bush.
- O-1-6: A small rectangular component, possibly a switch or a sensor.
- O-1-7: A small cylindrical component, likely a pin or a small bush.
- O-1-8: A small rectangular component, possibly a switch or a sensor.
- O-1-9: A small cylindrical component, likely a pin or a small bush.
- O-1-10: A small rectangular component, possibly a switch or a sensor.
- O-1-11: A small cylindrical component, likely a pin or a small bush.
- O-1-12: A small cylindrical component, likely a pin or a small bush.
- O-1-13: A large cylindrical component, possibly a motor or a pump.
- O-1-14: A small cylindrical component, likely a pin or a small bush.
- O-1-15: A small cylindrical component, likely a pin or a small bush.
- O-1-16: A small cylindrical component, likely a pin or a small bush.
- O-1-17: A long vertical rod or pin.
- O-1-18: A small cylindrical component, likely a pin or a small bush.
- O-1-19: A small cylindrical component, likely a pin or a small bush.

O-1,O-2 : 12210000T000 Bobbin Winder Ass'Y

0

O-2

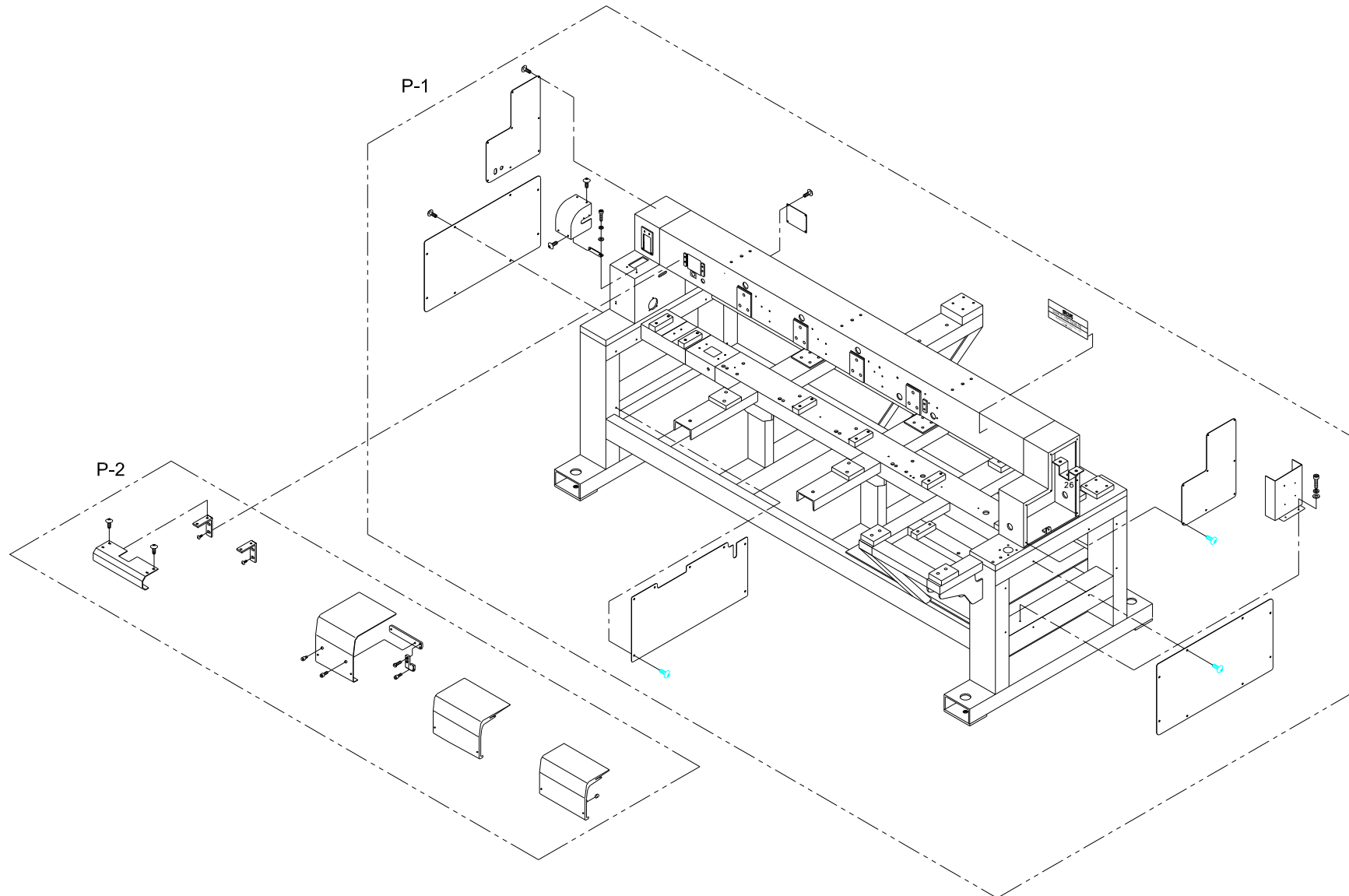
This diagram illustrates the assembly of a mechanical device, likely a pump or motor, with various components labeled O-2-1 through O-2-11. The main body is a rectangular block with a curved top and a base. The top surface features a circular dial with a needle and a scale, and a rectangular label with the text "SWF". The base has a long, narrow slot and a small rectangular protrusion. The components are shown in their relative positions, with dashed lines indicating the assembly path. The components are labeled as follows:

- O-2-1: A long, thin metal rod or shaft.
- O-2-2: A small screw or bolt.
- O-2-3: A small rectangular plate or bracket.
- O-2-4: A small cylindrical component, possibly a cap or plug.
- O-2-5: A small rectangular component, possibly a switch or sensor.
- O-2-6: A small cylindrical component, possibly a cap or plug.
- O-2-7: A small cylindrical component, possibly a cap or plug.
- O-2-8: A small rectangular component, possibly a switch or sensor.
- O-2-9: A small cylindrical component, possibly a cap or plug.
- O-2-10: A small cylindrical component, possibly a cap or plug.
- O-2-11: A small rectangular component, possibly a switch or sensor.

O-1,O-2 : 12210000T000 Bobbin Winder Ass'Y

0

Cover



This diagram illustrates the exploded view of the P-1 assembly. The main structure is a rectangular frame with a central horizontal beam. Various components are shown being attached to this frame:

- P-1-1**: A small rectangular plate at the top left.
- P-1-3**: A larger rectangular plate on the left side.
- P-1-5**: A rectangular plate at the bottom left.
- P-1-6**: A rectangular plate at the bottom center.
- P-1-7**: A small component at the bottom left, indicated by a red arrow.
- P-1-8**: A small component at the bottom left, indicated by a red arrow.
- P-1-9**, **P-1-10**, and **P-1-11**: Small components near the bottom left, indicated by red arrows.
- P-1-12**: A circular component near the bottom left, indicated by a red arrow.
- P-1-13**: A small component near the bottom left, indicated by a red arrow.
- P-1-14**: A small component on the top right, indicated by a red arrow.
- P-1-15**: A small component on the top right, indicated by a red arrow.
- P-1-16**: A rectangular plate on the right side.
- P-1-17**: A small component at the bottom right, indicated by a red arrow.
- P-1-18**, **P-1-19**, and **P-1-20**: Small components at the bottom right, indicated by red arrows.
- P-1-2**: A small component on the right side, indicated by a red arrow.
- P-1-4**: A small component on the right side, indicated by a red arrow.
- P-1-4**: A small component on the right side, indicated by a red arrow.

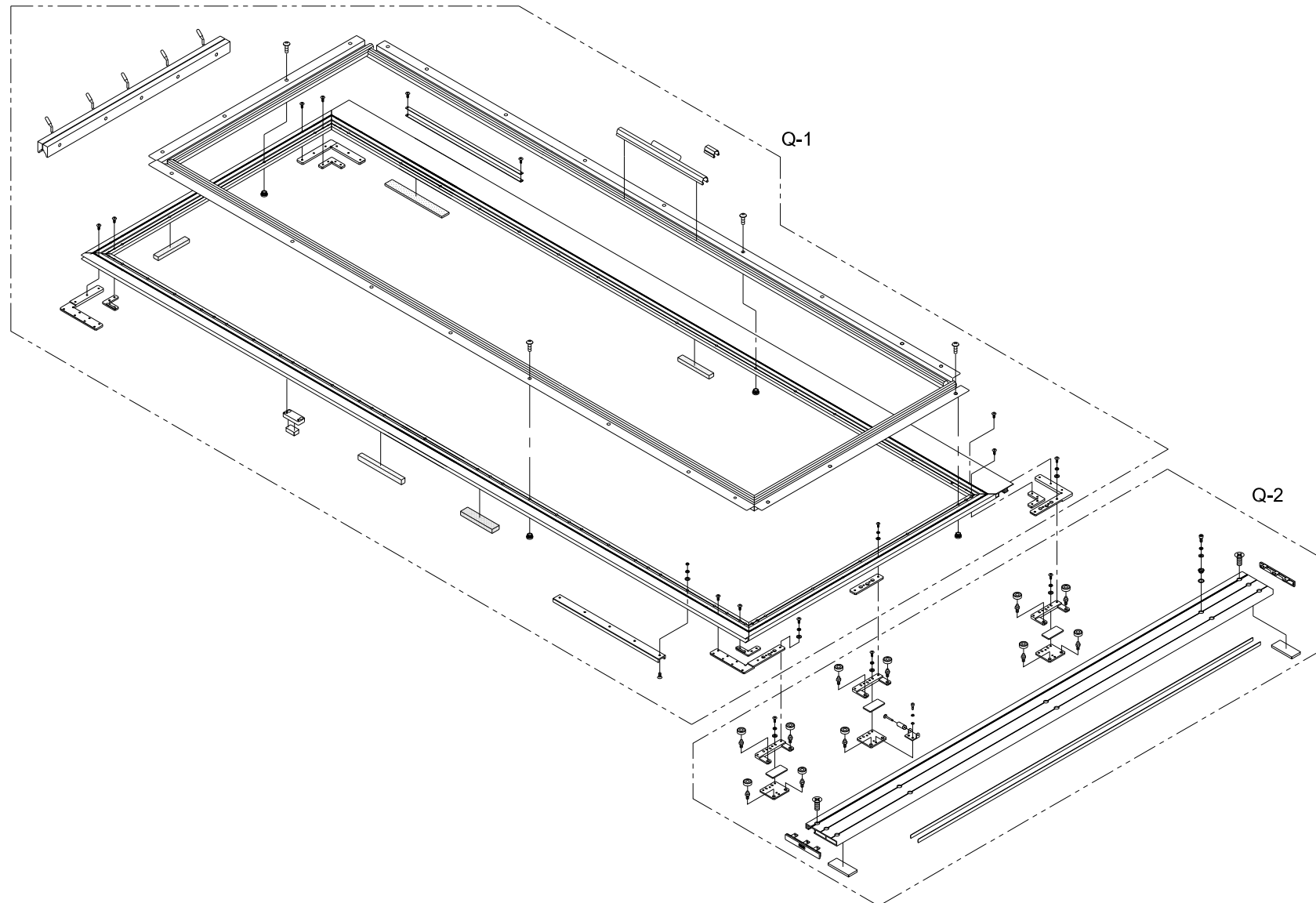
Note	
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[illegible]

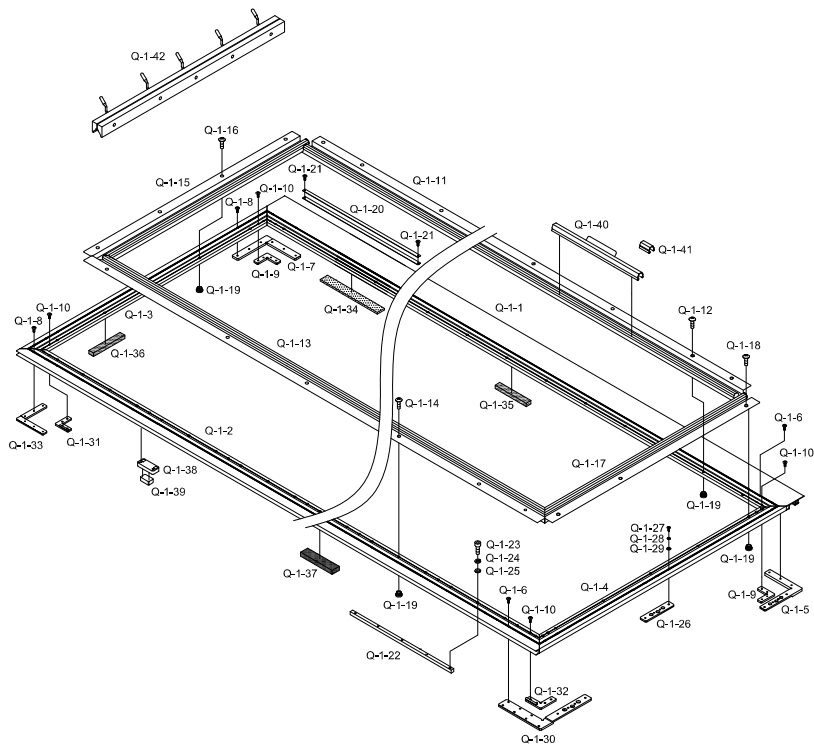
Note

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Frame



Q-1



Note

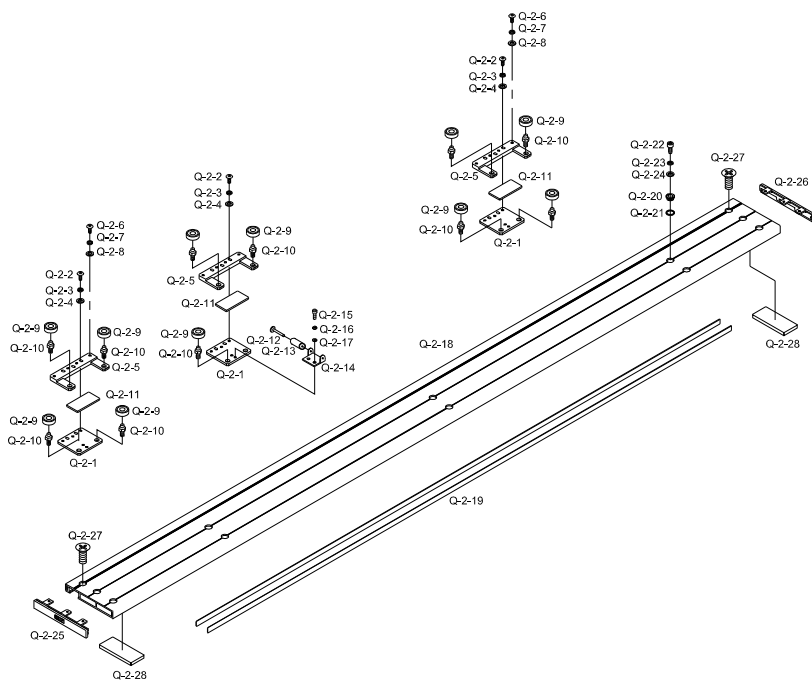
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q-1-1	GP-018280-00	Frame (A) [L=6276]	Jun,13,06 ~	X		1	
Q-1-2	GP-018281-00	Frame (B) [L=6276]	Jun,13,06 ~	X		1	
Q-1-3	10500900I004	Frame (D) [L=939]				1	
Q-1-4	GP-037798-00	Frame (G) [L=939]	Mar,26,08 ~	X		1	
Q-1-5	GP-030400-00	Corner Guide (A)	May,16,07 ~ Mar,26,08	X		2	
	GP-030400-01		Mar,26,08 ~	△			
Q-1-6	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	12	
Q-1-7	GP-037803-00	Corner Guide (B)	Mar,26,08 ~	X		2	
Q-1-8	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	12	
Q-1-9	GP-037737-00	Corner Guide (C)	Mar,24,08 ~	X		4	
Q-1-10	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	16	
Q-1-11	GP-018282-00	Frame (C-1) [L=6121]	Jun,13,06 ~	X		1	
Q-1-12	SC-001903-00	Truss Screw (M4*L8)			O	9	
Q-1-13	GP-018283-00	Frame (C-2) [L=6176]	Jun,13,06 ~	X		1	
Q-1-14	SC-001903-00	Truss Screw (M4*L8)			O	17	
Q-1-15	10501610I004	Frame (C-3) [L=838.5]				1	
Q-1-16	SC-001903-00	Truss Screw (M4*L8)			O	5	
Q-1-17	10501710I004	Frame (C-4) [L=838.5]				1	
Q-1-18	SC-001903-00	Truss Screw (M4*L8)			O	5	
Q-1-19	GP-010409-00	Bushing Nut(C)	Jul,04,05 ~	X		88	
Q-1-20	10501800ID00	Frame Guide Rail Plate A [L=439]				8	
Q-1-21	18014SC-7113	Truss Screw (M4*L9)				16	
Q-1-22	18050AF-A001	X-Axis Guide Rail				2	
Q-1-23	04010MC-7113	Hex.Socket Bolt(M4*L10)			O	10	
Q-1-24	18014SW-3115	Spring Washer(@4)			O	10	
Q-1-25	18015SW-3111	Washer(@4)			O	10	
Q-1-26	GP-037813-00	Fixing Block (C) for Bearing	Mar,27,08 ~	X		1	
Q-1-27	SC-000334-00	SCREW M4*L15	May,10,05 ~	X	O	4	
Q-1-28	18014SW-3115	Spring Washer (@4-No2)			O	4	
Q-1-29	18015SW-3111	Washer (4@)			O	4	
Q-1-30	GP-009112-00	Corner Guide(DR)	May,10,05 ~ Mar,25,08	X		1	
	GP-009112-01		Mar,25,08 ~ Jun,05,08	△			
	GP-009112-02		Jun,05,08 ~	△			
Q-1-31	GP-009113-00	Left Corner Guide(EL)	May,10,05 ~	X		1	
Q-1-32	GP-009114-00	Left Corner Guide(ER)	May,10,05 ~	X		1	
Q-1-33	GP-009111-00	Corner Guide(DL)	May,10,05 ~ Jun,05,08	X		1	
	GP-009111-01		Jun,05,08 ~	△			

[illegible]

Note	
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[illegible]

Q-2

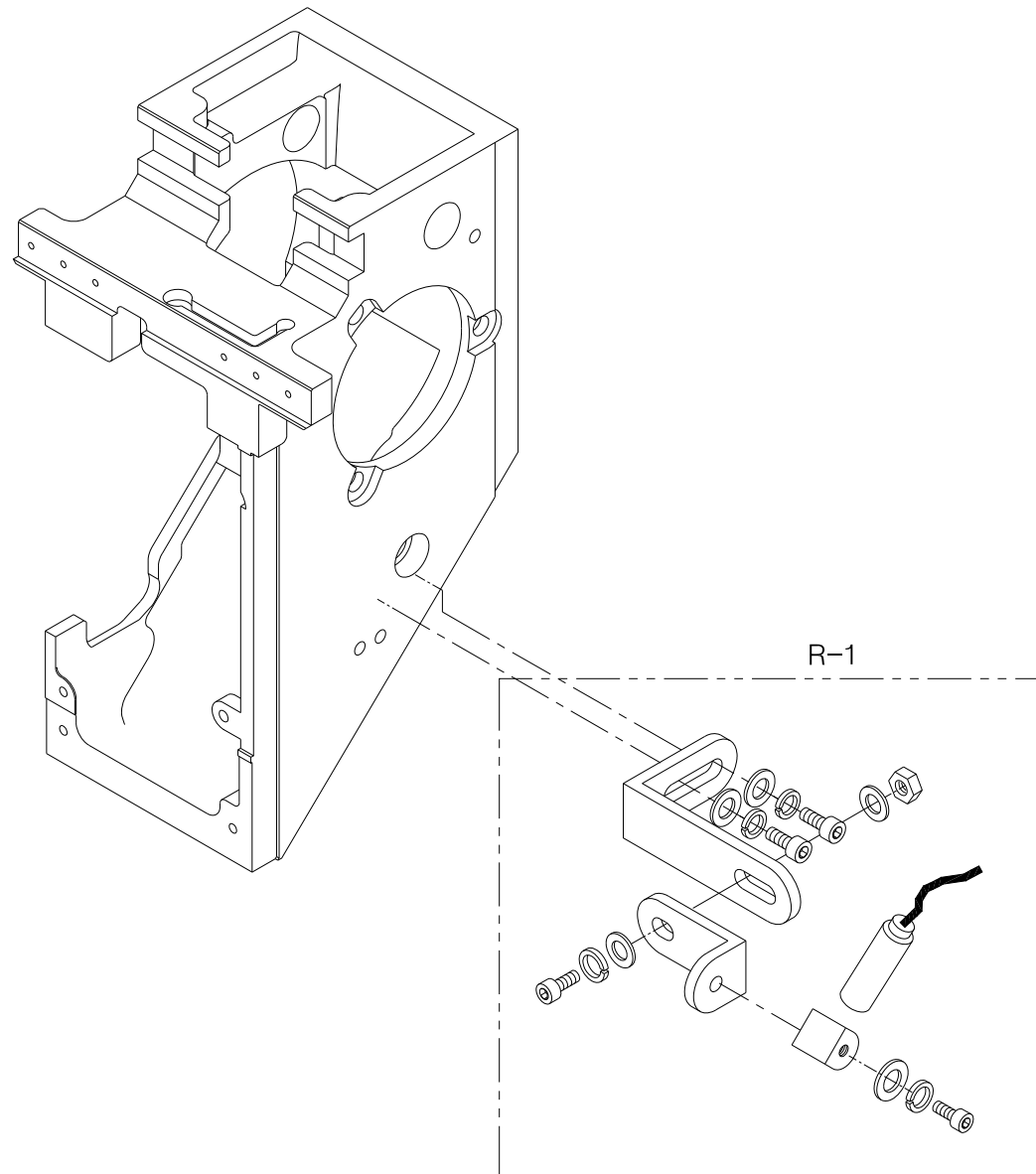


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q-2-1	GP-007190-00	BEARING CONNECTING BLOCK B	Jan,20,05 ~ Apr,07,05	X		3	
	GP-007190-01		Apr,07,05 ~ Mar,26,08	△			
	GP-007190-02		Mar,26,08 ~	△			
Q-2-2	02023SC-7113	Hex.Socket Bolt(M4*L8)			O	9	
Q-2-3	18014SW-3115	Spring Washer (@4-No2)			O	9	
Q-2-4	18015SW-3111	Washer (4@)				9	
Q-2-5	GP-037776-00	Fixing Block (A) for Bearing	Mar,25,08 ~ Apr,14,08	X		3	
	GP-037776-01		Apr,14,08 ~ May,26,08	△			
	GP-037776-02		May,26,08 ~	△			
Q-2-6	07016SC-7113	Hex.Socket Bolt(M4*L12)			O	8	
Q-2-7	18014SW-3115	Spring Washer (@4-No2)			O	8	
Q-2-8	18015SW-3111	Washer (4@)			O	8	
Q-2-9	15077BR-B001	Ball Bearing (LR606NPPU)				12	
Q-2-10	18062CW-A021	Rail Guide Pin (B)				12	
Q-2-11	GP-006546-00	FELT W	Dec,21,04 ~	X		3	
Q-2-12	10510800B000	ROLLER PIN				3	
Q-2-13	18107CW-B001	ROLLER				3	
Q-2-14	18106PR-B001	ROLLER BRACKET				3	
Q-2-15	02023SC-7113	HEX.SOCKET BOLT (M4*L8)			O	6	
Q-2-16	18014SW-3115	SPRING WASHER (@4-NO2)			O	6	
Q-2-17	18015SW-3111	WASHER (4@)			O	6	
Q-2-18	GP-018284-00	Frame E [L=1659]	Jun,13,06 ~	X		1	
Q-2-19	10000600I004	Frame Guide Rail Plate				2	
Q-2-20	10000700I000	Insert Bushing				6	
Q-2-21	10000800I000	Insert Bushing Washer				6	
Q-2-22	18014SC-7113	Truss Screw (M4*L9)			O	6	
Q-2-23	16014SW-4115	Spring Washer (@6)			O	6	
Q-2-24	08057SW-1111	Washer (@6)			O	6	
Q-2-25	AS-001418-00	FRAME E ENDCAP(A)SET	Oct,26,04 ~ Apr,01,05	X		1	
	AS-001418-01		Apr,01,05 ~ Feb,20,07	△			
	AS-001418-02		Feb,20,07 ~ May,23,07	△			
	AS-001418-03		May,23,07 ~	△			
Q-2-26	AS-001419-00	FRAME E ENDCAP B SET	Oct,26,04 ~ Apr,01,05	X		1	
	AS-001419-01		Apr,01,05 ~ Feb,20,07	△			
	AS-001419-02		Feb,20,07 ~ May,23,07	△			
	AS-001419-03		May,23,07 ~	△			
Q-2-27	10011SC-8119	PLUS SCREW (M3*L6)			O	6	
Q-2-28	GP-006545-00	FELT V				2	

Q

Option (Laser)



R-1

This diagram illustrates the exploded view of the R-1 assembly. The main structure is a rectangular frame with a central vertical support and a horizontal base. The assembly includes various components labeled with part numbers:

- R-1-1**: A large rectangular frame component.
- R-1-2**: A small cylindrical component, likely a pin or spacer.
- R-1-3**: A small cylindrical component, likely a pin or spacer.
- R-1-4**: A small cylindrical component, likely a pin or spacer.
- R-1-5**: A small cylindrical component, likely a pin or spacer.
- R-1-6**: A small cylindrical component, likely a pin or spacer.
- R-1-7**: A small cylindrical component, likely a pin or spacer.
- R-1-8**: A small cylindrical component, likely a pin or spacer.
- R-1-9**: A small cylindrical component, likely a pin or spacer.
- R-1-10**: A small cylindrical component, likely a pin or spacer.
- R-1-11**: A small cylindrical component, likely a pin or spacer.

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

Note

[illegible]

S. Index

Part No.	Part Name	Page	Ref.No
02001000E000	Idle Support Bracket	33	E-3-1
02001100E000	Idle Plate	33	E-3-5
10000210E000	Body Inside Cover (L)	85	P-1-6
01000100UH80	HAMMER CASTER SET (URETHANE)	11	A-1-6
01000500ED40	Cable Cover	79	N-1-1
01001100H00	Ball Bearing (6004Zz)	18	B-5-2
01001100H000	Ball Bearing (6005Zz)	32	E-2-13
01-002A-AT01	COOLING FAN	72	M-1-16
01-002B-AU12	FAN Cover	72	M-1-17
01-002M-AU12	FAN Screw (M4xL35)	72	M-1-18
01004SC-UK01	Hex. Bolt (M20*L60)	11	A-1-3
01007SW-1111	Washer (10@)	26	D-1-49
01008SW-9115	Spring Washer (@10)	26	D-1-48
01022RB-UK01	Body Base Cover	11	A-1-2
01029BR-A001	Ball Bearing (6004Zz)	25	D-1-9
01029BR-A001	Ball Bearing (6004Zz)	31	E-1-8
01-037S-2070	Earth Screw (M4xL8)	76	M-3-9
01100210B000	Hook Shaft	12	A-2-7
01100400H000	Bearing Cover	12	A-2-18
01101300A000	Hook Shaft Collar	14	B-1-4
01101700U000	Low Shaft Gear	12	A-2-13
01101800B000	Mes Adjusting Bushing	29	D-4-13
01101900U000	Hook Shaft Gear	12	A-2-11
01102000B000	Bearing Bushing	12	A-2-15
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