

PARTS BOOK

Single-Head Bridge type

E-U1201

PME-120509

Notice

1. 본 책자는Parts Book으로 제작되었으므로 매뉴얼로 사용 불가합니다.
2. 조에 속한 파트는 개별 조립 시 제품의 파손 또는 자수 불량일 발생될 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.

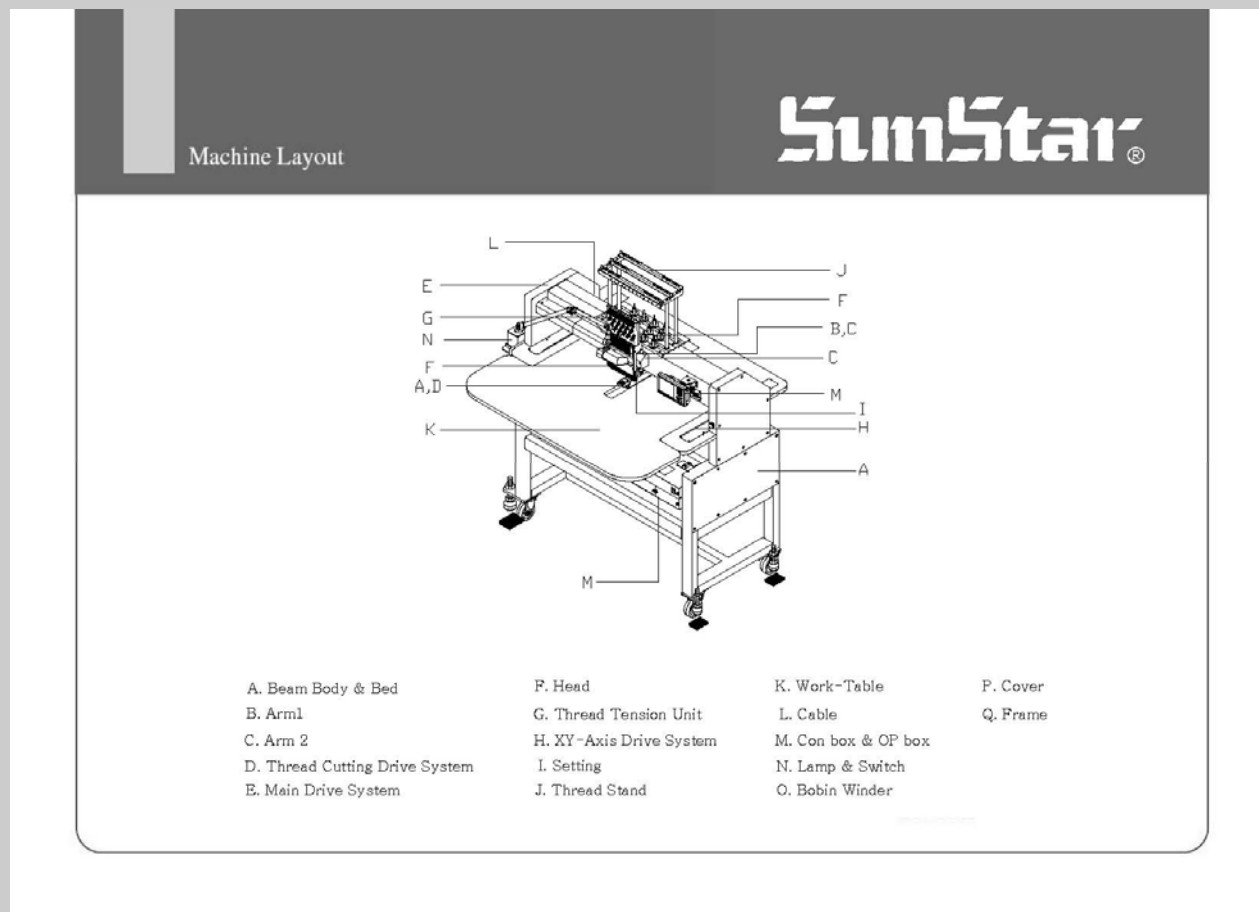
- 1) Machine Layout
- 2) Section
- 3) Part List

※Consumable parts shall not be guaranteed even in warranty period

Information

A. Structure of Part Book

1. Machine Layout

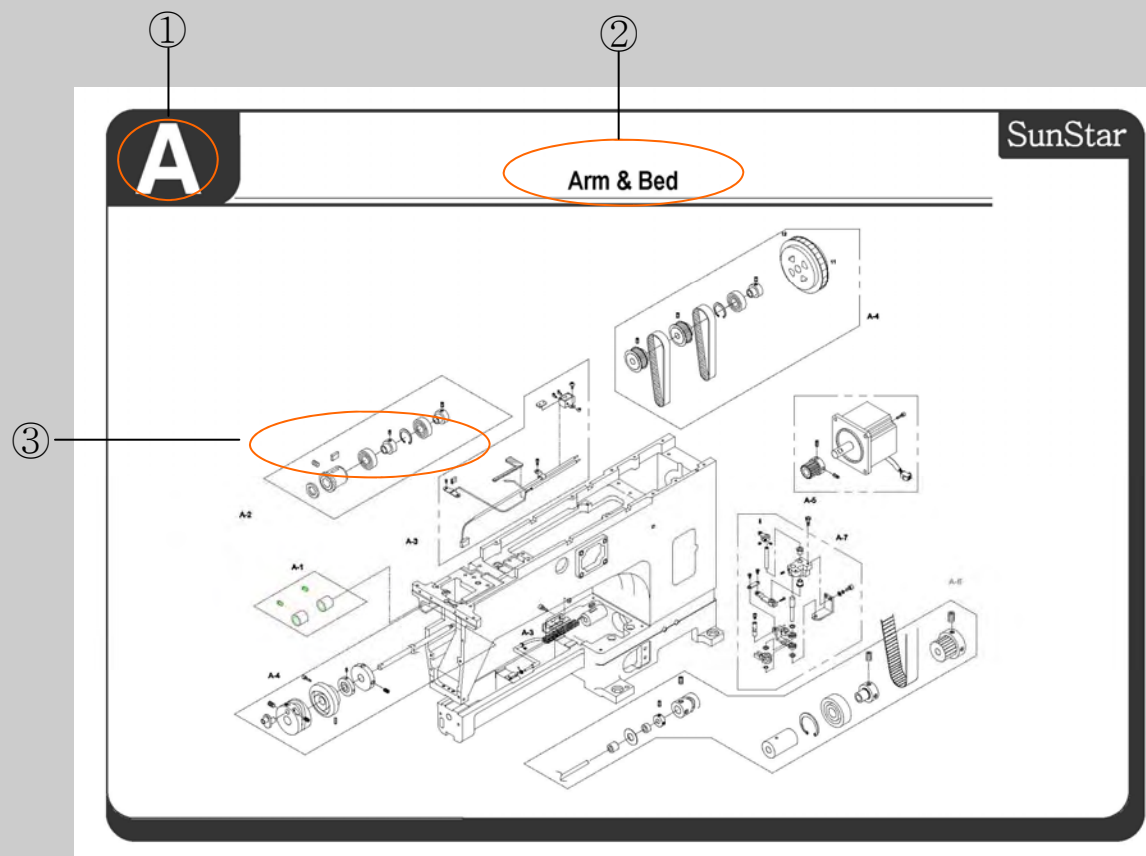


Information

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	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 (1/8x28L=7.5)			O	1	
A-1-5	0101SCM-T121	Hex. Socket Set Screw (1/4" 3x40 L=4.5)				1	
A-1-6	0102PBR-A001	Washer				2	
A-1-7	0102PBR-A001	Washer				1	
A-1-8	0102PBR-A001	Needle Bar Crank				1	
A-1-9	0102PBR-A001	Upper Shaft Pinhook (P)				1	
A-1-10	0102PBR-A001	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	0102PBR-A001	Screw (M4xL20)			O	1	
A-1-15	0102PBR-A001	Rearizer (600422)				1	
A-1-16	0102PBR-A001	Rearizer 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	Rearizer (600422)			O	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

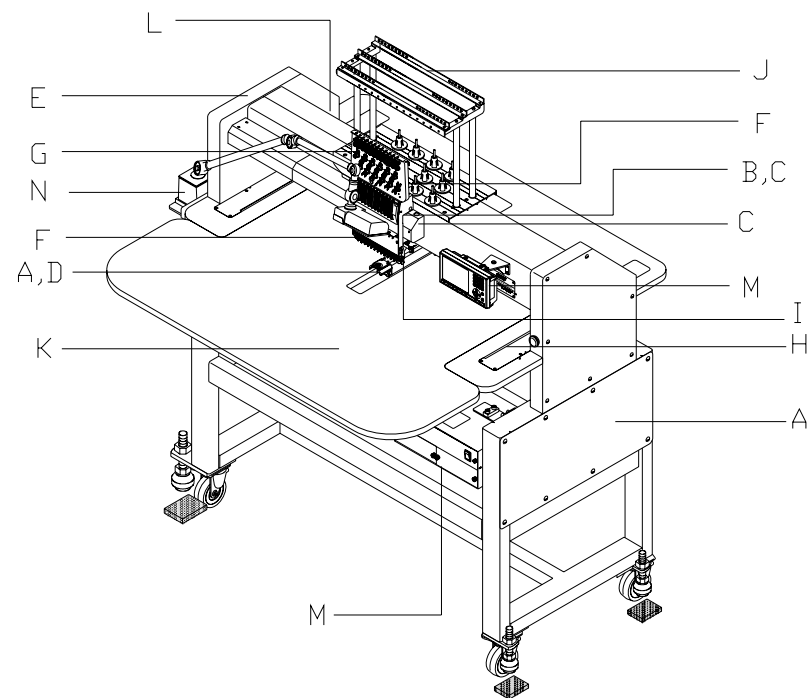
: Quantity of part

⑩ Remark

⑪ Index Number

⑫ 조 및 프레스품 ...

Set & Press Part ...



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



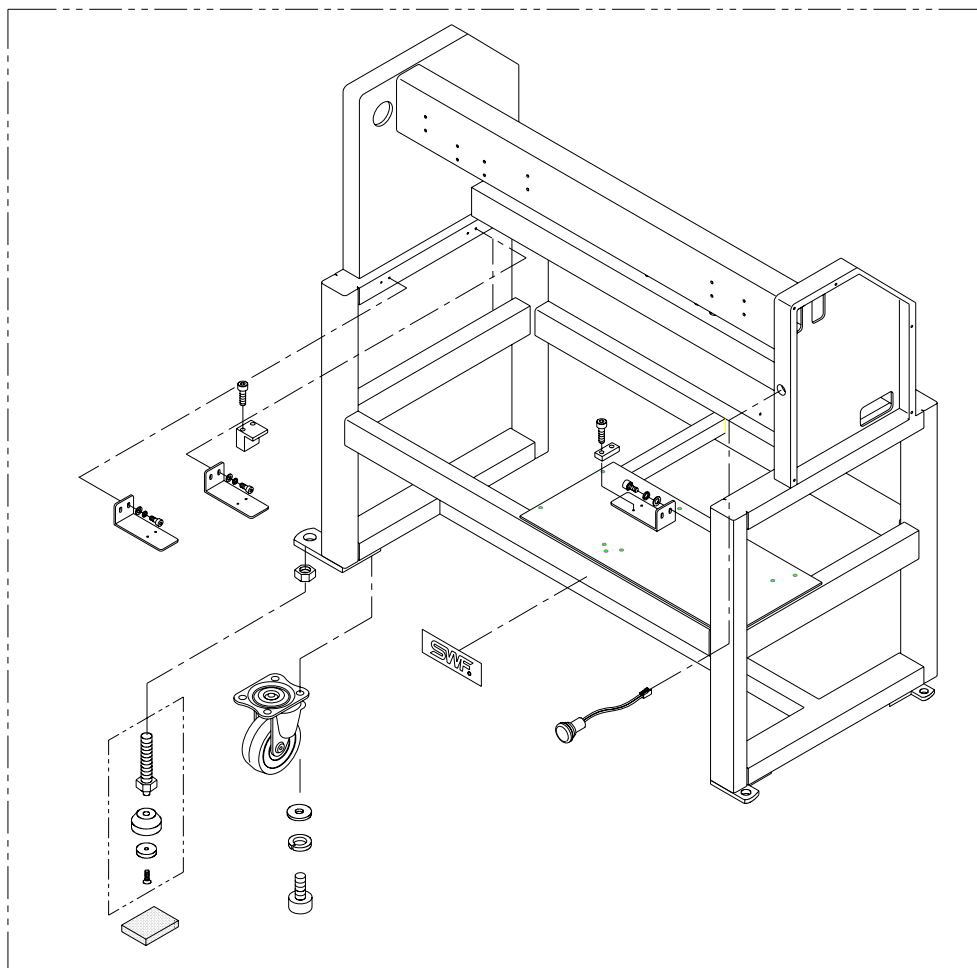
CONTENT

A	Beam Body & Bed	10
B	Arm 1	13
C	Arm 2	19
D	Thread Cutting Set	24
E	Main Drive System	28
F	Head & Color Change	33
G	Thread Tension Unit	38
H	X-Y Drive	42
I	Setting	50

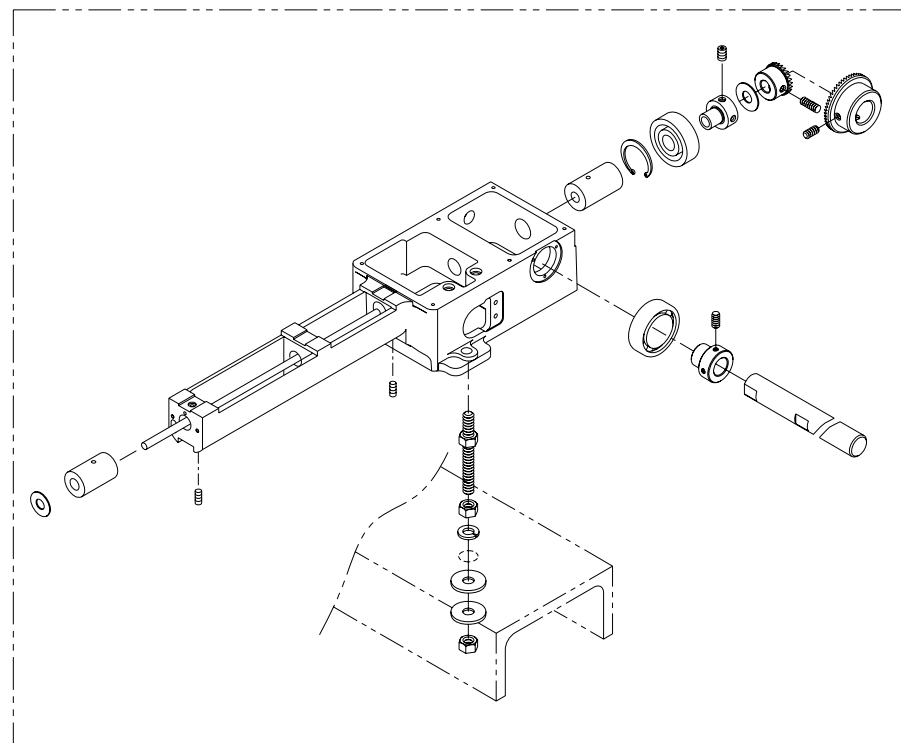
J	Spool	56
K	Table	59
L	Cable	62
M	Con Box & O/P Box	65
N	Lamp & Switch	71
O	Bobbin Winder	73
P	Cover	76
Q	Frame	78
R	Index	81

Beam Body & Bed

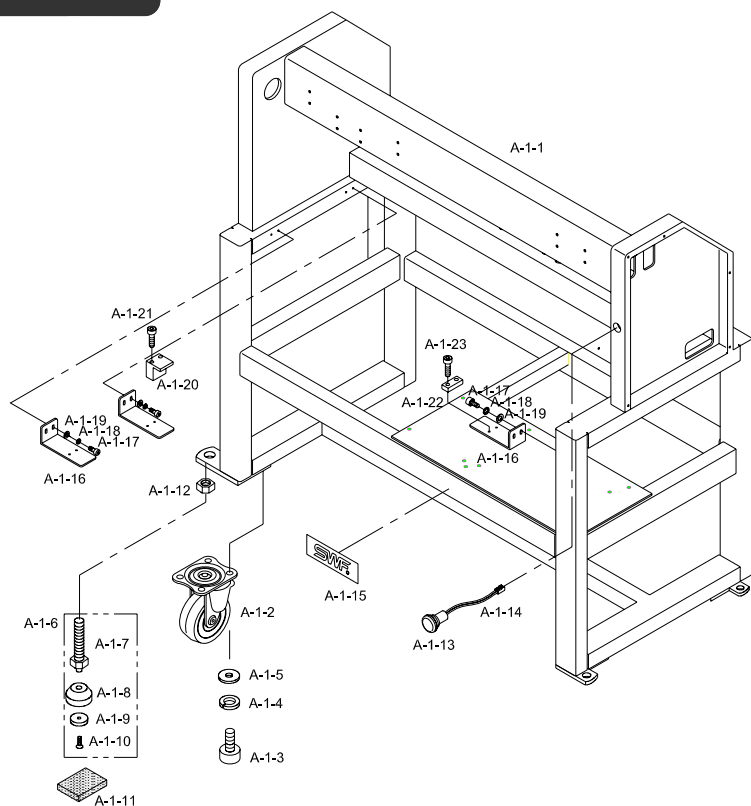
A-1



A-2



A-1



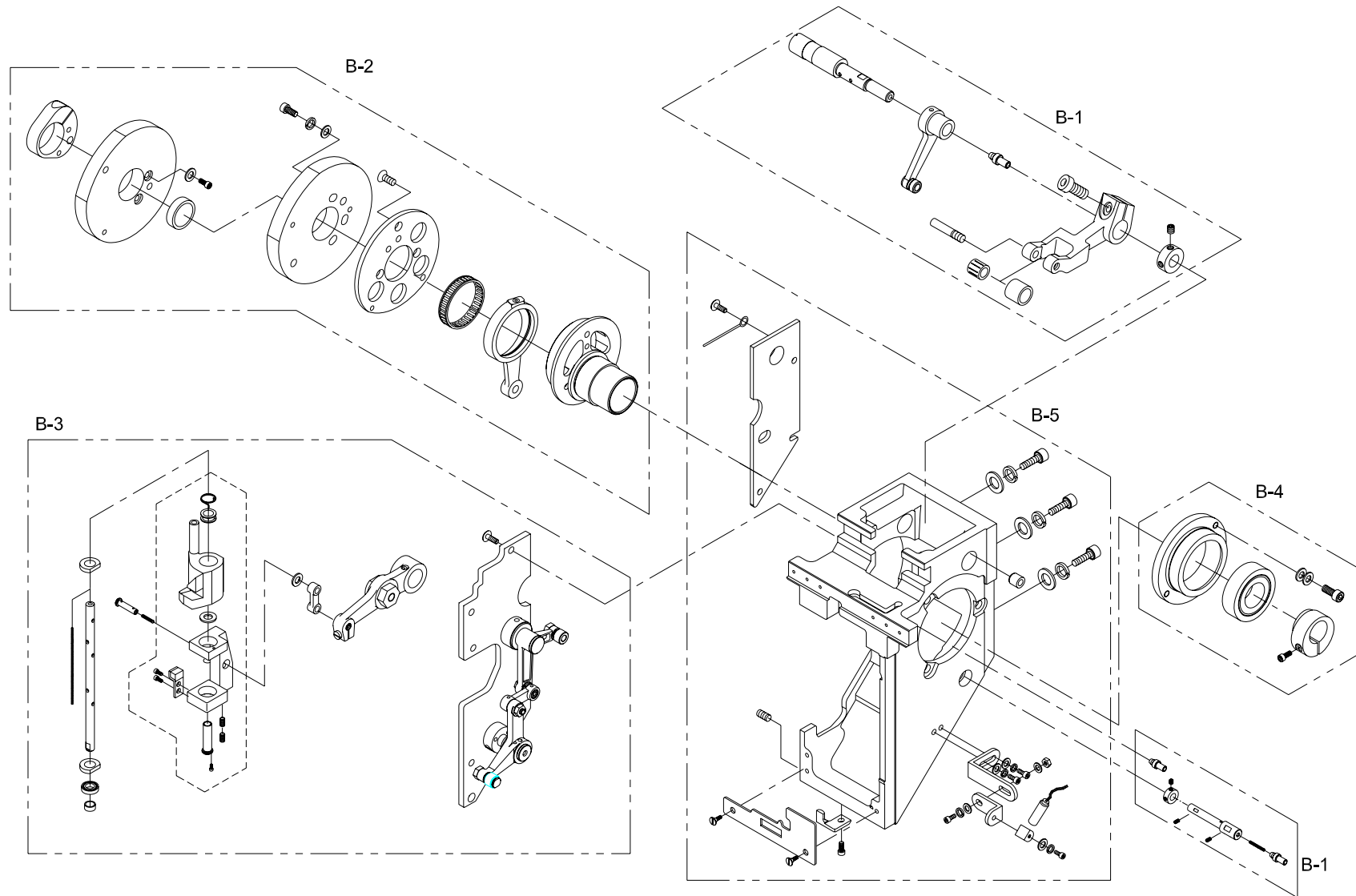
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
A-1-1	GP-013726-00	Beam & Body	Dec,13,05 ~	X		1	
	GP-013726-01		Aug,08,06 ~	△			
	GP-013726-02		Nov,20,06 ~	△			
	GP-013726-03		Feb,13,09 ~	△			
	GP-013726-04		Feb,13,09 ~	△			
	GP-013726-05		Feb,01,10 ~	△			
	GP-013726-06		May,24,10 ~	△			
	GP-013726-07		Jun,08,10 ~	△			
A-1-2	24007AF-T121	Caster				4	
A-1-3	08035SC-4113	HEX. SOCKET BOLT (M6*L10)			O	16	
A-1-4	16014SW-4115	Spring Washer (@6)			O	16	
A-1-5	08057SW-1111	Washer (@6)				16	
A-1-6	26012BM-T121	Bolt Set				4	
A-1-7	26012SC-T121	Stand Support Bolt				4	
A-1-8	26011CW-T121	Stand Support Base				4	
A-1-9	26013CW-T121	Stand Support Washer				4	
A-1-10	16022AF-8119	Plus Screw (M6*L20)			O	4	
A-1-11	01017RB-T121	Rubber				4	
A-1-12	02036SN-7211	HEX. NUT (M20-NO2)			O	4	
A-1-13	10-002A-CPT1	Emg S/W				1	
A-1-14	Ca-000944-00	Emg S/W Connecting Cable	Feb,19,06 ~	X		1	
	Ca-000944-01		Aug,25,06 ~	△			
A-1-15	GP-014743-00	Brand Mark	Jan,19,06 ~	X		1	
	GP-014743-01		Jun,12,06 ~	△			
	GP-014743-02		Sep,25,08 ~	△			
A-1-16	GP-013884-00	Fixing Plate	Dec,19,05 ~	X		4	
A-1-17	03016SC-4113	HEX. SOCKET BOLT (M5*L15)			O	8	
A-1-18	18048SW-3115	Spring Washer(@5)			O	8	
A-1-19	16018SW-1111	Washer(@5)			O	8	
A-1-20	GP-016550-00	Table Fixing Block	Mar,21,06 ~	X		2	
A-1-21	05014SC-7113	Hex. Socket Bolt (M4*L25)			O	4	
A-1-22	17085PM-UK01	Positioning Block				2	
A-1-23	02015SC-7113	Hex.Socket Bolt(M4*L10)			O	4	

A

12

Arm 1



Note

[illegible]

B

15

B

16

[illegible]

B

B-5

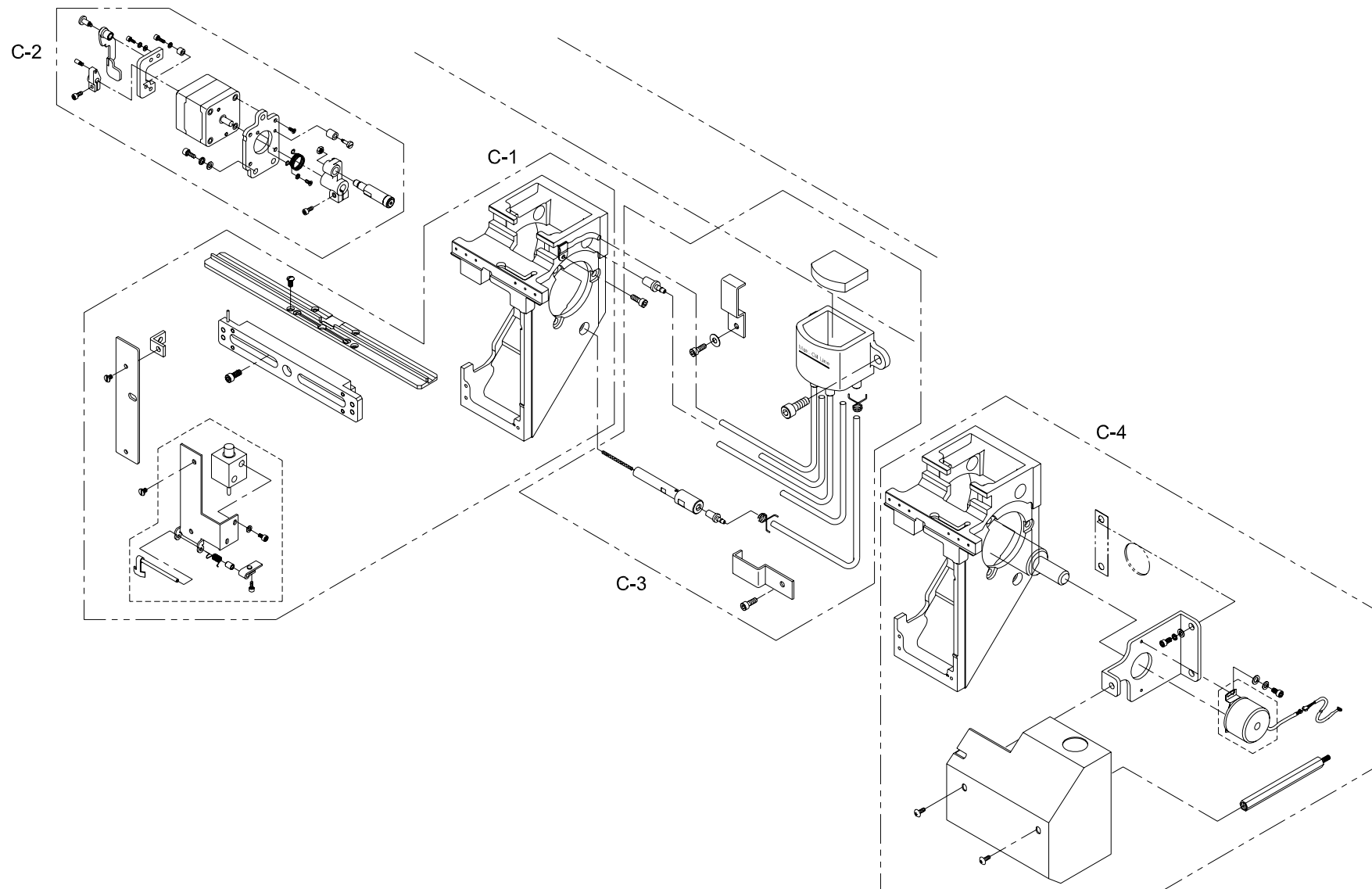
This exploded view diagram illustrates the assembly of the B-5 unit. The main component is the B-5-1 housing. Key sub-assemblies and parts include:

- Top Cover (B-5-5):** Attached to the top of the housing using screws B-5-6 and B-5-7.
- Front Panel (B-5-12):** Features a large circular opening and is secured with screws B-5-2, B-5-3, B-5-4, and B-5-22.
- Internal Components:** Includes a complex internal frame (B-5-10) and a base plate (B-5-9) which is mounted with screws B-5-8 and B-5-11.
- Accessories:** A power cord (B-5-18) is shown connected to the rear of the unit.
- Fasteners:** Numerous screws (B-5-13, B-5-14, B-5-15, B-5-16, B-5-17, B-5-19, B-5-20, B-5-21) are used to secure the internal structure and front panel.

Note

B

Arm 2



C-1

The diagram illustrates the assembly of the C-1 component, showing various parts and their assembly sequence. The components are labeled as follows:

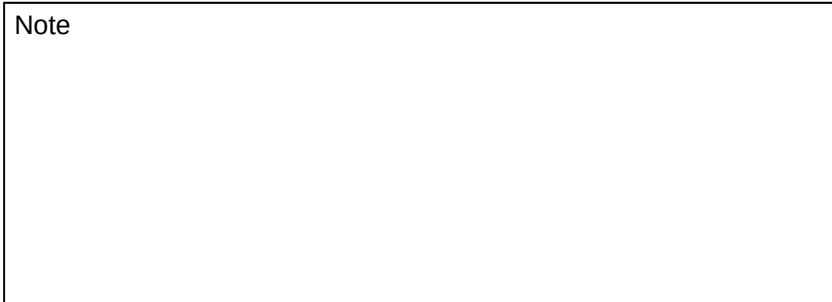
- C-1-1: Main horizontal rail assembly.
- C-1-2: Small cylindrical pin.
- C-1-3: Long horizontal rail with multiple slots.
- C-1-4: Small cylindrical pin.
- C-1-5: Vertical plate.
- C-1-6: Small rectangular bracket.
- C-1-7: Small cylindrical pin.
- C-1-8: L-shaped bracket.
- C-1-9: Small cylindrical pin.
- C-1-10: Small cylindrical pin.
- C-1-11: Small L-shaped bracket.
- C-1-12: Small cylindrical pin.
- C-1-13: Small cylindrical pin.
- C-1-14: Small cylindrical pin.
- C-1-15: Small cylindrical pin.
- C-1-16: Small rectangular bracket.
- C-1-17: Small cylindrical pin.
- C-1-18: Small cylindrical pin.

The diagram shows the assembly of the C-1 component, including the main rail assembly (C-1-1) and the vertical plate (C-1-5). The assembly sequence is indicated by the numbered callouts.

Note



C

21

This diagram illustrates the assembly of the C-3-1 Mass Flow Unit. The main component, the C-3-1 unit, is shown with its various ports and connections. Key parts and their assembly points are labeled as follows:

- C-3-2**: A rectangular component that fits into the top of the C-3-1 unit.
- C-3-3**: A screw used to secure the C-3-7 bracket to the C-3-1 unit.
- C-3-4**: A long, thin tube that connects to the bottom of the C-3-1 unit.
- C-3-5**: A connector that links the C-3-4 tube to the C-3-5 port on the main assembly frame.
- C-3-6**: A screw used to secure the C-3-7 bracket to the C-3-1 unit.
- C-3-7**: A bracket that supports the C-3-4 tube and is attached to the C-3-1 unit.
- C-3-8**: A screw used to secure the C-3-4 tube to the C-3-1 unit.

The diagram shows the C-3-1 unit being installed into the main assembly frame, with the C-3-5 connector and C-3-4 tube providing the necessary flow path. The C-3-7 bracket and C-3-3 screws are used to secure the C-3-4 tube to the C-3-1 unit.

Note

C-4

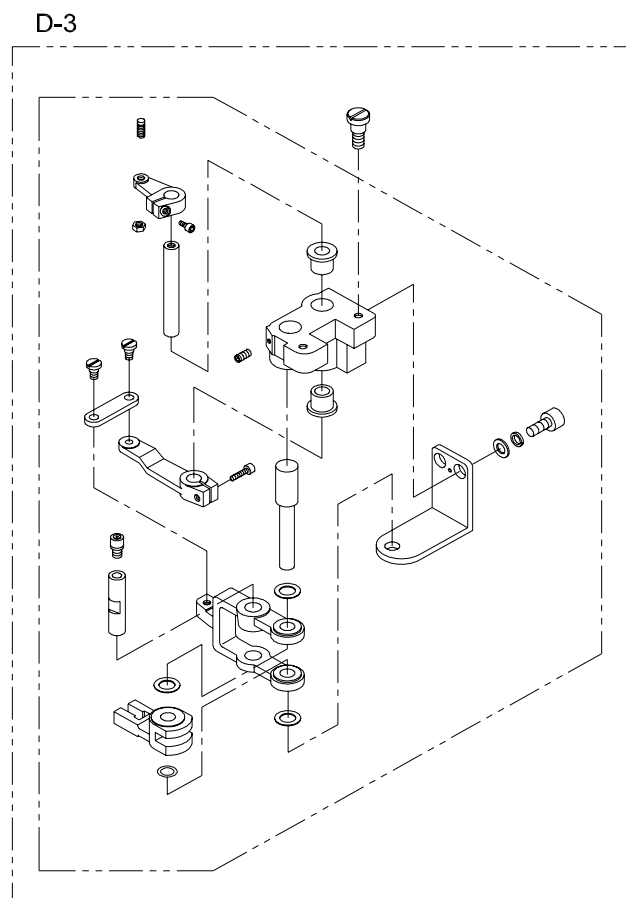
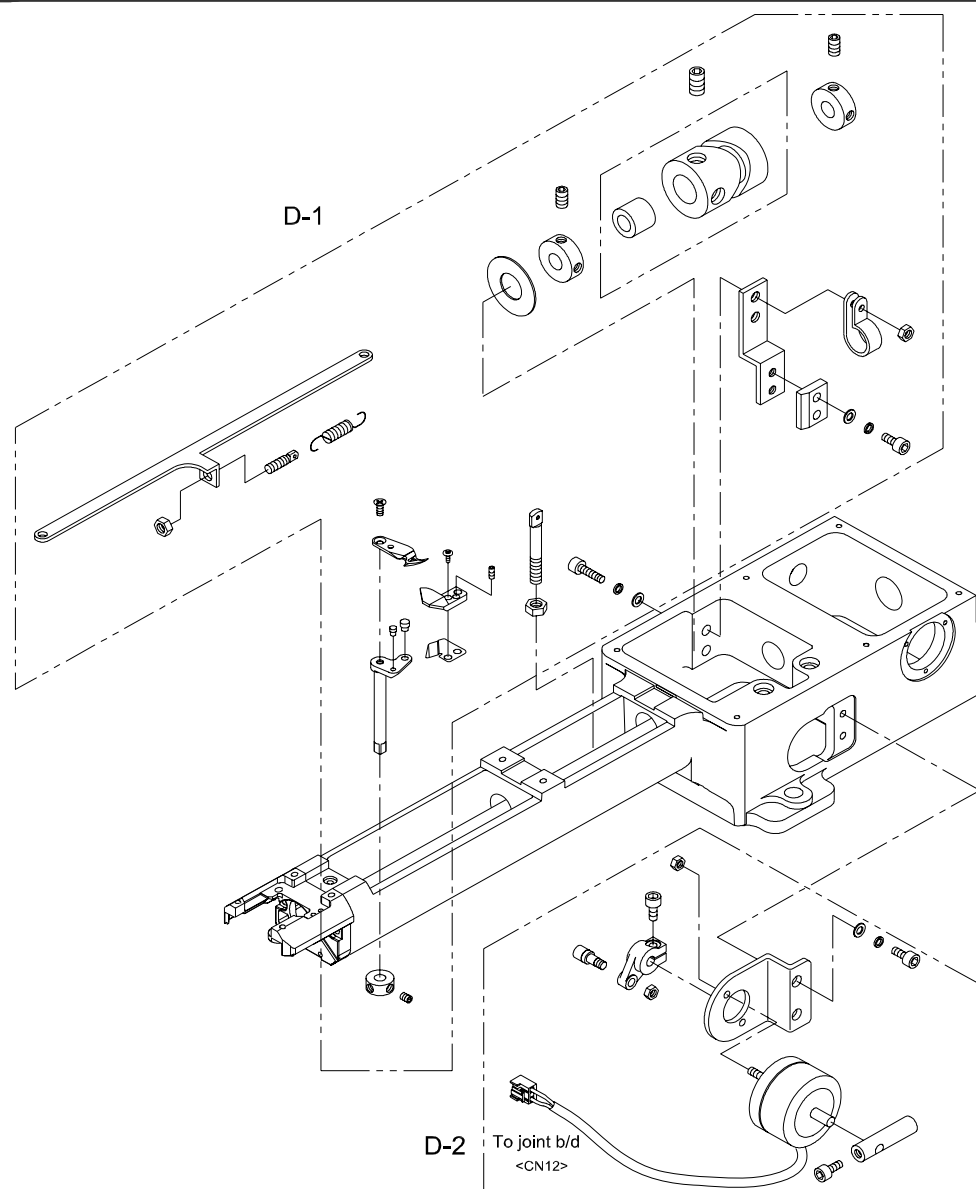
This exploded view diagram illustrates the assembly of the C-4 unit. The components are labeled as follows:

- C-4-1**: Two screws used to secure the front panel (C-4-9) to the main frame.
- C-4-2**: A small screw used to secure the motor assembly (C-4-1) to the bracket (C-4-5).
- C-4-3**: A small screw used to secure the motor assembly (C-4-1) to the bracket (C-4-5).
- C-4-4**: A small screw used to secure the motor assembly (C-4-1) to the bracket (C-4-5).
- C-4-5**: A bracket that houses the motor assembly (C-4-1) and is secured to the main frame by screws C-4-2, C-4-3, and C-4-4.
- C-4-6**: A small screw used to secure the bracket (C-4-5) to the main frame.
- C-4-7**: A small screw used to secure the bracket (C-4-5) to the main frame.
- C-4-8**: A small screw used to secure the bracket (C-4-5) to the main frame.
- C-4-9**: The front panel of the unit, which is secured to the main frame by screws C-4-1.
- C-4-10**: A long, thin rod or pin used to secure the front panel (C-4-9) to the main frame.
- C-4-11**: A small screw used to secure the front panel (C-4-9) to the main frame.
- C-4-12**: A cable or hose connected to the motor assembly (C-4-1).

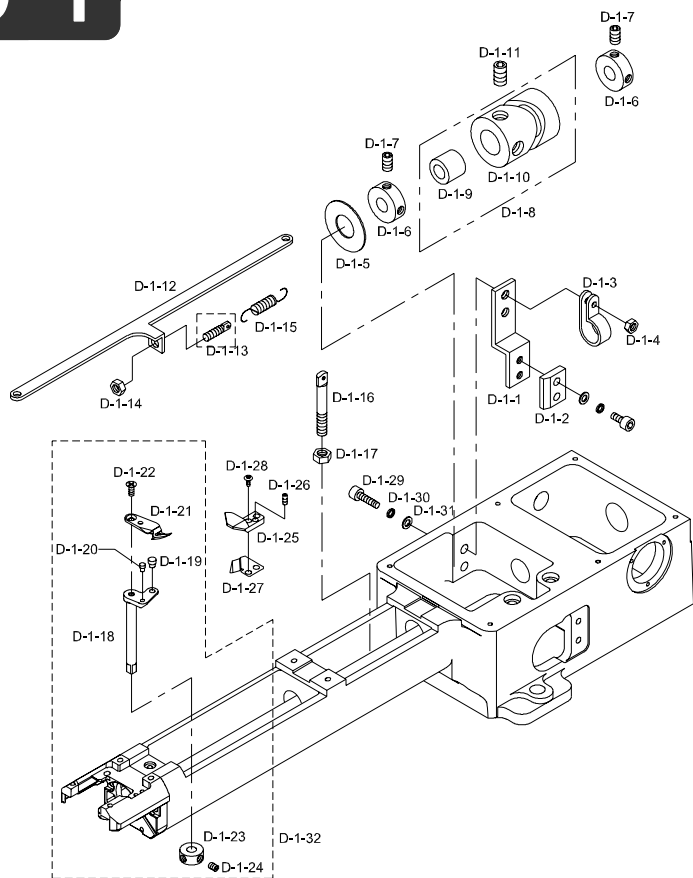
Note



Thread Cutting Set



D-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
D-1-1	08051PR-T121	Mes Lever Stopper Bracket				1	
D-1-2	08057PM-T121	Mes Lever Stopper				1	
D-1-3	11035ET-A001	Cable Holder				1	
D-1-4	12010SN-1211	Hex.Nut (M5)			O	1	
D-1-5	02004BR-T121	Hook Shaft Bearing Washer				1	
D-1-6	08033CW-T121	Mes Cam Position Collar				2	
D-1-7	03020SC-A001	Drive Pin Screw 11/64,N40,L8			O	4	
D-1-8	08036BM-T121	Mes Cam Set				1	
D-1-9	08037CW-T121	Mes Cam Bush				1	
D-1-10	08036CM-T121	Mes Cam				1	
D-1-11	04016AF-A001	Cam Collar Screw				2	
D-1-12	GP-013662-00	Moving Mes Connecting Link	Dec,19,05 ~	X		1	
D-1-13	08065SC-T121	Spring Shaft Screw				1	
D-1-14	03031SN-A001	Pin. Nut (11/64,N=40)			O	1	
D-1-15	08063SP-CT01	Thread Return Spring				1	
D-1-16	08061CW-CT01	Thread Return Springer				1	
D-1-17	08058SN-1311	Hex. Nut (M6-No3)			O	1	
D-1-18	GP-006638-00	Moving Mes Shaft Set	Dec,19,05 ~	X		1	
D-1-19	08123CW-T121	Moving Mes Connecting Link Pin				1	
D-1-20	08122CW-A001	Mes Pin				1	
D-1-21	07028PR-T121	Moving Mes				1	
D-1-22	08014SC-A001	Plus Screw (M3*L8)			O	1	
D-1-23	13003000T000	Mes Shaft Collar				1	
D-1-24	03022SC-4517	Hex. Socket Set Screw(M4*L5)			O	2	
D-1-25	07032CL-T121	Fixed Mes				1	
D-1-26	03050SC-4517	Hex. Socket Set Screw (M3*L3)			O	1	
D-1-27	07033PR-T121	Under Thread Presser				1	
D-1-28	07018SC-8118	Plus Screw (M3*L8)			O	2	
D-1-29	05014SC-7113	HEX. SOCKET BOLT (M4*L25)			O	2	
D-1-30	18014SW-3115	Spring Washer (@4-No2)			O	2	
D-1-31	18015SW-3111	Washer (4@)			O	2	
D-1-32	AS-002024-00	Needle Plate Bracket Assy				1	

Note

[illegible]

D

D-3

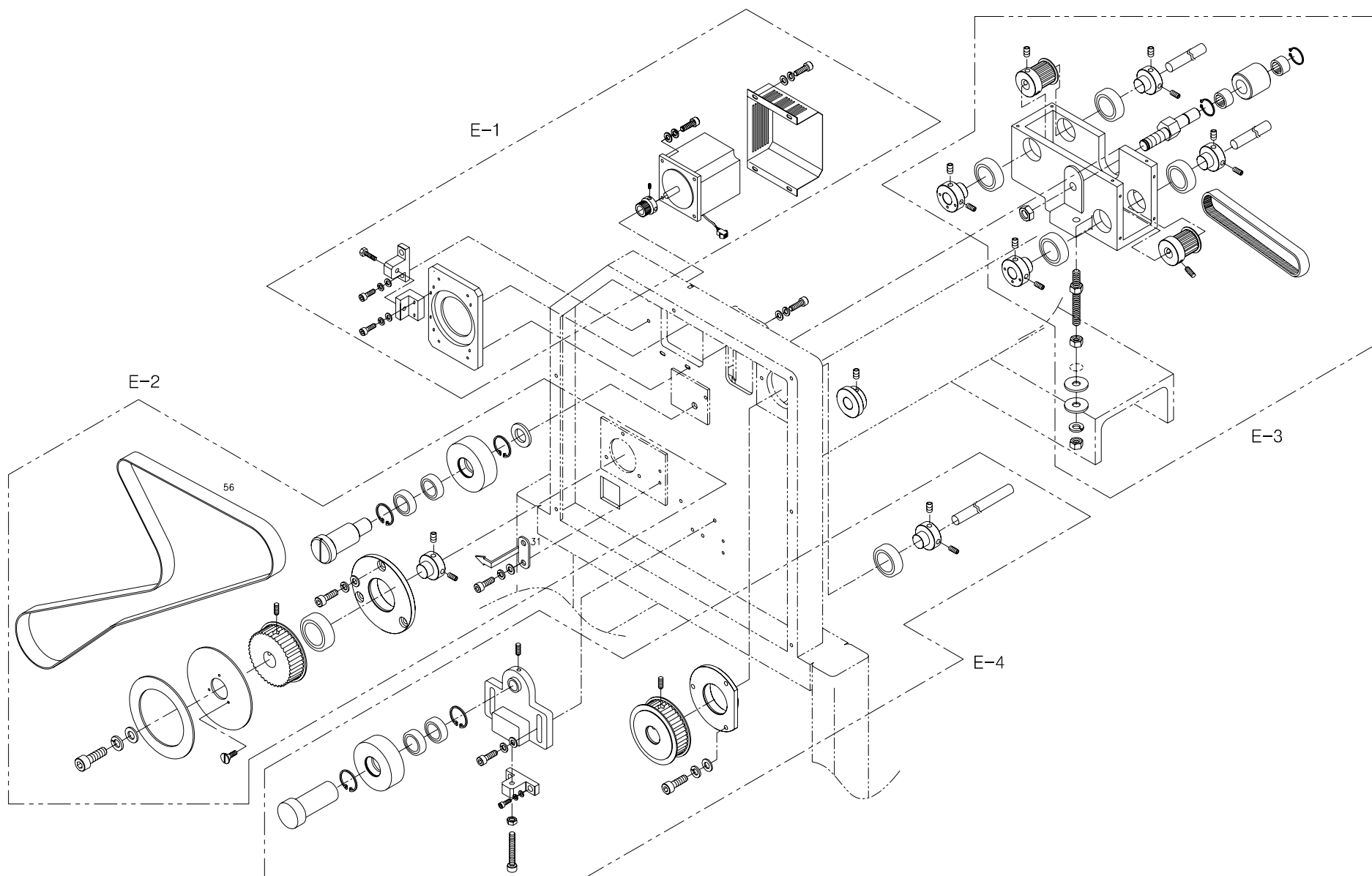
This exploded view diagram illustrates the assembly of the D-3 component. The diagram shows the following parts and their assembly sequence:

- D-3-1**: The main housing or base plate, shown as a dashed outline.
- D-3-2**: A central block or bracket that fits into the housing.
- D-3-3**: A pin or dowel that secures the central block to the housing.
- D-3-4**: A screw that fastens the top of the housing.
- D-3-5**: A small pin or screw located near the central block.
- D-3-6**: A bracket or arm that attaches to the side of the housing.
- D-3-7**: A screw that secures the side bracket.
- D-3-8**: A nut or washer that fits onto the side bracket.
- D-3-9**: A small pin or screw that secures the side bracket.
- D-3-10**: A long pin or dowel that passes through the side bracket and the housing.
- D-3-11**: A bracket or arm that attaches to the bottom of the housing.
- D-3-12**: A screw that secures the bottom bracket.
- D-3-13**: A bracket or arm that attaches to the bottom of the housing.
- D-3-14**: A bracket or arm that attaches to the bottom of the housing.
- D-3-15**: A pin or dowel that secures the bottom bracket.
- D-3-16**: A screw that secures the bottom bracket.
- D-3-17**: A long pin or dowel that passes through the bottom bracket and the housing.
- D-3-18**: A bracket or arm that attaches to the bottom of the housing.
- D-3-19**: A bracket or arm that attaches to the bottom of the housing.
- D-3-20**: A pin or dowel that secures the bottom bracket.
- D-3-21**: A bracket or arm that attaches to the bottom of the housing.
- D-3-22**: A screw that secures the bottom bracket.
- D-3-23**: A nut or washer that fits onto the bottom bracket.
- D-3-24**: A pin or dowel that secures the bottom bracket.

Note

D

Main Drive System



E-1

This exploded view diagram illustrates the assembly of a motor unit. The main components and their assembly sequence are as follows:

- Motor Housing (E-1-1):** The central component, shown in a dashed outline.
- Motor Mounting Bracket (E-1-2):** Attached to the top of the motor housing using screws E-1-3 and E-1-4.
- Motor Mounting Plate (E-1-5):** Attached to the front of the motor housing using screws E-1-6, E-1-7, E-1-8, and E-1-11.
- Motor Mounting Bracket (E-1-9):** Attached to the side of the motor housing using screws E-1-10, E-1-12, and E-1-13.
- Motor Mounting Plate (E-1-14):** Attached to the bottom of the motor housing using screws E-1-15 and E-1-16.
- Motor Mounting Bracket (E-1-17):** Attached to the top of the motor housing using screws E-1-18 and E-1-19.
- Motor Mounting Plate (E-1-20):** Attached to the front of the motor housing using screws E-1-21 and E-1-22.
- Motor Mounting Plate (E-1-21):** Attached to the bottom of the motor housing using screws E-1-23 and E-1-24.

Note



This exploded view diagram illustrates the assembly of the front door for a refrigerator. The components are labeled with part numbers and their assembly sequence:

- E-2-25**: The main front door panel.
- E-2-1**: A circular flange or gasket component.
- E-2-2**: A small screw or fastener.
- E-2-3**: A small screw or fastener.
- E-2-4**: A small screw or fastener.
- E-2-5**: A small screw or fastener.
- E-2-6**: A small screw or fastener.
- E-2-7**: A small screw or fastener.
- E-2-8**: A small screw or fastener.
- E-2-9**: A small screw or fastener.
- E-2-10**: A small screw or fastener.
- E-2-11**: A small screw or fastener.
- E-2-12**: A small screw or fastener.
- E-2-13**: A small screw or fastener.
- E-2-14**: A small screw or fastener.
- E-2-15**: A small screw or fastener.
- E-2-16**: A small screw or fastener.
- E-2-17**: A small screw or fastener.
- E-2-18**: A small screw or fastener.
- E-2-19**: A small screw or fastener.
- E-2-20**: A small screw or fastener.
- E-2-21**: A small screw or fastener.
- E-2-22**: A small screw or fastener.
- E-2-23**: A small screw or fastener.
- E-2-24**: A small screw or fastener.

The diagram shows the door panel (E-2-25) being assembled onto the main body of the refrigerator. The components are shown in their relative positions, with dashed lines indicating the assembly path. The main body of the refrigerator is shown on the right side of the diagram.

Note	
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E-3

This exploded view diagram illustrates the assembly of a mechanical component, likely a motor or actuator. The main body is a rectangular frame (E-3-1) with two vertical supports. The assembly includes a motor unit (E-3-7) with a gear (E-3-8) and a shaft (E-3-2). A drive shaft (E-3-4) with a coupling (E-3-5) is connected to the motor. A pulley (E-3-9) is mounted on the shaft. A bracket (E-3-11) is attached to the side of the frame. A long, curved component (E-3-14) is shown separately. The assembly is secured with various bolts (E-3-15, E-3-16, E-3-17, E-3-18, E-3-19) and nuts (E-3-20, E-3-21, E-3-22, E-3-23, E-3-24, E-3-25, E-3-26, E-3-27, E-3-28, E-3-29, E-3-30, E-3-31, E-3-32, E-3-33, E-3-34, E-3-35, E-3-36, E-3-37, E-3-38, E-3-39, E-3-40, E-3-41, E-3-42, E-3-43, E-3-44, E-3-45, E-3-46, E-3-47, E-3-48, E-3-49, E-3-50, E-3-51, E-3-52, E-3-53, E-3-54, E-3-55, E-3-56, E-3-57, E-3-58, E-3-59, E-3-60, E-3-61, E-3-62, E-3-63, E-3-64, E-3-65, E-3-66, E-3-67, E-3-68, E-3-69, E-3-70, E-3-71, E-3-72, E-3-73, E-3-74, E-3-75, E-3-76, E-3-77, E-3-78, E-3-79, E-3-80, E-3-81, E-3-82, E-3-83, E-3-84, E-3-85, E-3-86, E-3-87, E-3-88, E-3-89, E-3-90, E-3-91, E-3-92, E-3-93, E-3-94, E-3-95, E-3-96, E-3-97, E-3-98, E-3-99, E-3-100, E-3-101, E-3-102, E-3-103, E-3-104, E-3-105, E-3-106, E-3-107, E-3-108, E-3-109, E-3-110, E-3-111, E-3-112, E-3-113, E-3-114, E-3-115, E-3-116, E-3-117, E-3-118, E-3-119, E-3-120, E-3-121, E-3-122, E-3-123, E-3-124, E-3-125, E-3-126, E-3-127, E-3-128, E-3-129, E-3-130, E-3-131, E-3-132, E-3-133, E-3-134, E-3-135, E-3-136, E-3-137, E-3-138, E-3-139, E-3-140, E-3-141, E-3-142, E-3-143, E-3-144, E-3-145, E-3-146, E-3-147, E-3-148, E-3-149, E-3-150, E-3-151, E-3-152, E-3-153, E-3-154, E-3-155, E-3-156, E-3-157, E-3-158, E-3-159, E-3-160, E-3-161, E-3-162, E-3-163, E-3-164, E-3-165, E-3-166, E-3-167, E-3-168, E-3-169, E-3-170, E-3-171, E-3-172, E-3-173, E-3-174, E-3-175, E-3-176, E-3-177, E-3-178, E-3-179, E-3-180, E-3-181, E-3-182, E-3-183, E-3-184, E-3-185, E-3-186, E-3-187, E-3-188, E-3-189, E-3-190, E-3-191, E-3-192, E-3-193, E-3-194, E-3-195, E-3-196, E-3-197, E-3-198, E-3-199, E-3-200, E-3-201, E-3-202, E-3-203, E-3-204, E-3-205, E-3-206, E-3-207, E-3-208, E-3-209, E-3-210, E-3-211, E-3-212, E-3-213, E-3-214, E-3-215, E-3-216, E-3-217, E-3-218, E-3-219, E-3-220, E-3-221, E-3-222, E-3-223, E-3-224, E-3-225, E-3-226, E-3-227, E-3-228, E-3-229, E-3-230, E-3-231, E-3-232, E-3-233, E-3-234, E-3-235, E-3-236, E-3-237, E-3-238, E-3-239, E-3-240, E-3-241, E-3-242, E-3-243, E-3-244, E-3-245, E-3-246, E-3-247, E-3-248, E-3-249, E-3-250, E-3-251, E-3-252, E-3-253, E-3-254, E-3-255, E-3-256, E-3-257, E-3-258, E-3-259, E-3-260, E-3-261, E-3-262, E-3-263, E-3-264, E-3-265, E-3-266, E-3-267, E-3-268, E-3-269, E-3-270, E-3-271, E-3-272, E-3-273, E-3-274, E-3-275, E-3-276, E-3-277, E-3-278, E-3-279, E-3-280, E-3-281, E-3-282, E-3-283, E-3-284, E-3-285, E-3-286, E-3-287, E-3-288, E-3-289, E-3-290, E-3-291, E-3-292, E-3-293, E-3-294, E-3-295, E-3-296, E-3-297, E-3-298, E-3-299, E-3-300, E-3-301, E-3-302, E-3-303, E-3-304, E-3-305, E-3-306, E-3-307, E-3-308, E-3-309, E-3-310, E-3-311, E-3-312, E-3-313, E-3-314, E-3-315, E-3-316, E-3-317, E-3-318, E-3-319, E-3-320, E-3-321, E-3-322, E-3-323, E-3-324, E-3-325, E-3-326, E-3-327, E-3-328, E-3-329, E-3-330, E-3-331, E-3-332, E-3-333, E-3-334, E-3-335, E-3-336, E-3-337, E-3-338, E-3-339, E-3-340, E-3-341, E-3-342, E-3-343, E-3-344, E-3-345, E-3-346, E-3-347, E-3-348, E-3-349, E-3-350, E-3-351, E-3-352, E-3-353, E-3-354, E-3-355, E-3-356, E-3-357, E-3-358, E-3-359, E-3-360, E-3-361, E-3-362, E-3-363, E-3-364, E-3-365, E-3-366, E-3-367, E-3-368, E-3-369, E-3-370, E-3-371, E-3-372, E-3-373, E-3-374, E-3-375, E-3-376, E-3-377, E-3-378, E-3-379, E-3-380, E-3-381, E-3-382, E-3-383, E-3-384, E-3-385, E-3-386, E-3-387, E-3-388, E-3-389, E-3-390, E-3-391, E-3-392, E-3-393, E-3-394, E-3-395, E-3-396, E-3-397, E-3-398, E-3-399, E-3-400, E-3-401, E-3-402, E-3-403, E-3-404, E-3-405, E-3-406, E-3-407, E-3-408, E-3-409, E-3-410, E-3-411, E-3-412, E-3-413, E-3-414, E-3-415, E-3-416, E-3-417, E-3-418, E-3-419, E-3-420, E-3-421, E-3-422, E-3-423, E-3-424, E-3-425, E-3-426, E-3-427, E-3-428, E-3-429, E-3-430, E-3-431, E-3-432, E-3-433, E-3-434, E-3-435, E-3-436, E-3-437, E-3-438, E-3-439, E-3-440, E-3-441, E-3-442, E-3-443, E-3-444, E-3-445, E-3-446, E-3-447, E-3-448, E-3-449, E-3-450, E-3-451, E-3-452, E-3-453, E-3-454, E-3-455, E-3-456, E-3-457, E-3-458, E-3-459, E-3-460, E-3-461, E-3-462, E-3-463, E-3-464, E-3-465, E-3-466, E-3-467, E-3-468, E-3-469, E-3-470, E-3-471, E-3-472, E-3-473, E-3-474, E-3-475, E-3-476, E-3-477, E-3-478, E-3-479, E-3-480, E-3-481, E-3-482, E-3-483, E-3-484, E-3-485, E-3-486, E-3-487, E-3-488, E-3-489, E-3-490, E-3-491, E-3-492, E-3-493, E-3-494, E-3-495, E-3-496, E-3-497, E-3-498, E-3-499, E-3-500, E-3-501, E-3-502, E-3-503, E-3-504, E-3-505, E-3-506, E-3-507, E-3-508, E-3-509, E-3-510, E-3-511, E-3-51



E-4

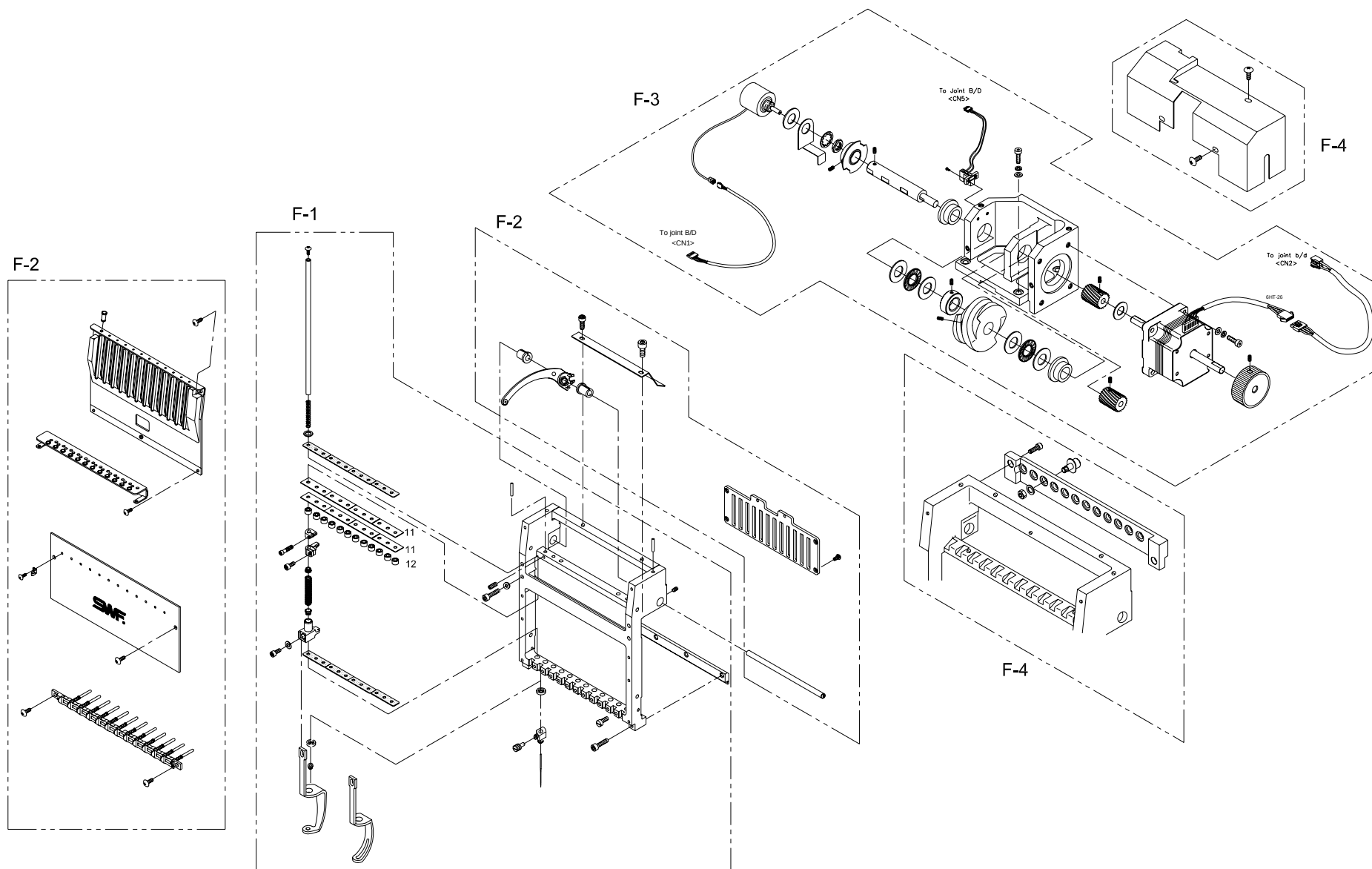
This exploded view diagram illustrates the assembly of the E-4 component. The main structure is a large, L-shaped frame. Various parts are shown in their relative positions, with dashed lines indicating their assembly paths. The components are labeled as follows:

- E-4-1: Main frame component.
- E-4-2: Small pin or screw.
- E-4-3: Small pin or screw.
- E-4-4: Small pin or screw.
- E-4-5: Small pin or screw.
- E-4-6: Small pin or screw.
- E-4-7: Small pin or screw.
- E-4-8: Small pin or screw.
- E-4-9: Small pin or screw.
- E-4-10: Small pin or screw.
- E-4-11: Small pin or screw.
- E-4-12: Small pin or screw.
- E-4-13: Small pin or screw.
- E-4-14: Small pin or screw.
- E-4-15: Small pin or screw.
- E-4-16: Small pin or screw.
- E-4-17: Small pin or screw.
- E-4-18: Small pin or screw.
- E-4-19: Small pin or screw.
- E-4-20: Small pin or screw.
- E-4-21: Small pin or screw.
- E-4-22: Small pin or screw.
- E-4-23: Small pin or screw.
- E-4-24: Small pin or screw.
- E-4-25: Small pin or screw.
- E-4-26: Small pin or screw.
- E-4-27: Small pin or screw.

Note



Head & Color Change



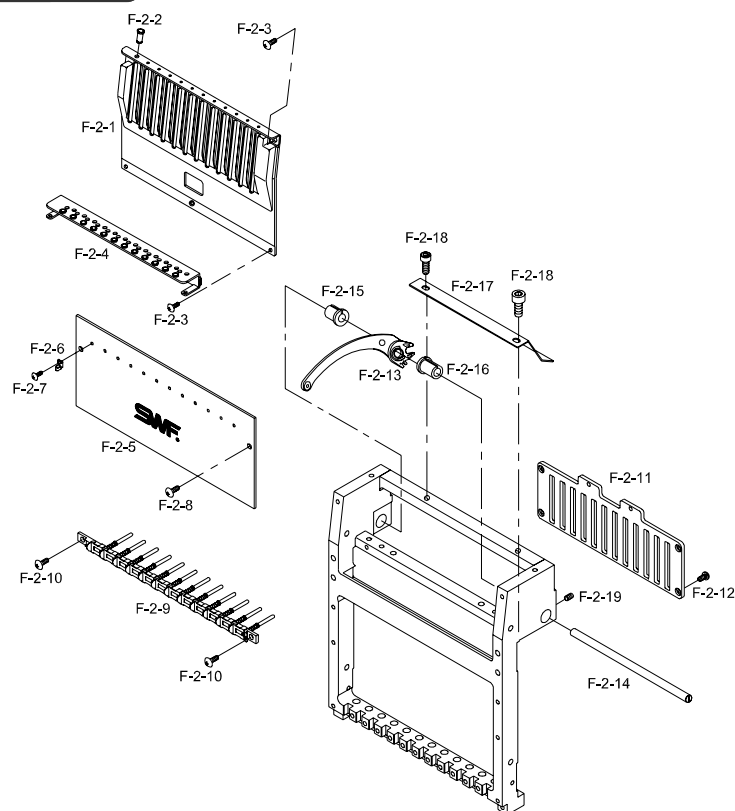
This diagram illustrates the assembly of the front panel. The main frame (F-1-1) is shown with various components being attached. Key parts include:

- Top Panel:** F-1-8 (long vertical piece), F-1-9 (top cap), F-1-18 (middle section), and F-1-19 (bottom section).
- Side Panels:** F-1-10 (left and right side rails), F-1-11 (left side rail), F-1-12 (right side rail), F-1-13 (left side rail), F-1-14 (left side rail), F-1-15 (left side rail), F-1-16 (left side rail), F-1-17 (left side rail), F-1-20 (left side rail), F-1-21 (left side rail), F-1-22 (left side rail), F-1-23 (left side rail), F-1-24 (left side rail), F-1-25 (left side rail), F-1-26 (left side rail), F-1-27 (left side rail), F-1-28 (left side rail), F-1-29 (left side rail), F-1-30 (left side rail), F-1-31 (left side rail).
- Internal Components:** F-1-2 (screw), F-1-3 (screw), F-1-4 (screw), F-1-5 (screw), F-1-6 (screw), F-1-7 (screw), F-1-12 (screw), F-1-13 (screw), F-1-14 (screw), F-1-15 (screw), F-1-16 (screw), F-1-17 (screw), F-1-18 (screw), F-1-19 (screw), F-1-20 (screw), F-1-21 (screw), F-1-22 (screw), F-1-23 (screw), F-1-24 (screw), F-1-25 (screw), F-1-26 (screw), F-1-27 (screw), F-1-28 (screw), F-1-29 (screw), F-1-30 (screw), F-1-31 (screw).
- Other Components:** F-1-1 (main frame), F-1-2 (screw), F-1-3 (screw), F-1-4 (screw), F-1-5 (screw), F-1-6 (screw), F-1-7 (screw), F-1-12 (screw), F-1-13 (screw), F-1-14 (screw), F-1-15 (screw), F-1-16 (screw), F-1-17 (screw), F-1-18 (screw), F-1-19 (screw), F-1-20 (screw), F-1-21 (screw), F-1-22 (screw), F-1-23 (screw), F-1-24 (screw), F-1-25 (screw), F-1-26 (screw), F-1-27 (screw), F-1-28 (screw), F-1-29 (screw), F-1-30 (screw), F-1-31 (screw).

F-1,F-2 08200024U000 Head Assy



F-2

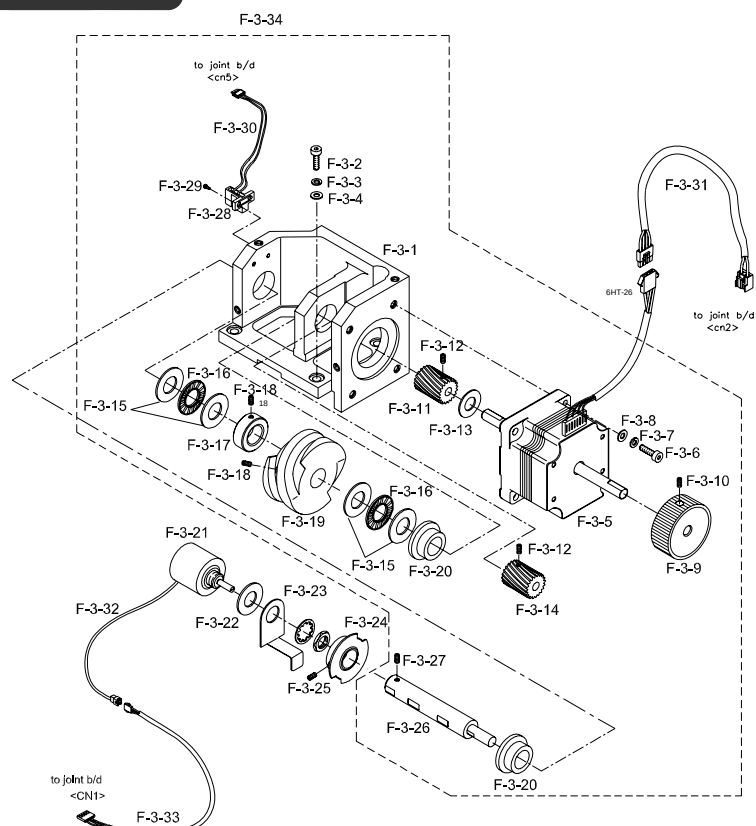


Note

F-1,F-2 08200024U000 Head Assy

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-2-1	10200103B000	Head Face Plate (U) 9C				1	
F-2-2	10200100H000	Thread Guide Bush "A-1"				9	
F-2-3	SC-001625-00	Thread Guide (M) Screw (9/64 n=40)	Jan,19,09 ~	X		4	
	SC-001625-01		Feb,17,09 ~	△			
F-2-4	AS-000485-00	Thread Guide (M) Set (12C)	Jun,28,04 ~	X		1	
	AS-000485-01		May,10,07 ~	△			
	AS-000485-02		Jun,18,07 ~	△			
	AS-000485-03		Dec,11,08 ~	△			
	AS-000485-04		Jan,14,09 ~	△			
	AS-000485-05		Jan,30,09 ~	△			
	AS-000485-06		Feb,17,09 ~	△			
	AS-000485-07		Jan,26,10 ~	△			
	AS-000485-08		Aug,13,10 ~	△			
F-2-5	GP-007194-00	Head Face Plate(L)	Jan,21,05 ~	X		1	
	GP-007194-01		Jan,23,06 ~	△			
	GP-007194-02		Apr,06,06 ~	△			
	GP-007194-03		Jun,12,06 ~	△			
	GP-007194-04		Apr,06,09 ~	△			
F-2-6	11012PR-B001	Thread Guide				9	
F-2-7	09005SC-3123	Truss Bolt (M3*L5)			O	9	
F-2-8	05070SC-3123	HEAD FACE PLATE (U) SCREW				2	
F-2-9	10900003I000	Thread Holding Device A'ssy				1	
F-2-10	05070SC-3123	Truss Bolt 9/64 n=40				2	
F-2-11	GP-014095-00	Needle Bar Guide Rail	Dec,24,05 ~	X		1	
F-2-12	05041SC-A001	Bolt (9/64 n=40)				4	
F-2-13	07005BM-B002	Take-Up Lever Set				9	
F-2-14	08200503A000	Take-Up Lever Shaft (9C)				1	
F-2-15	08203000A000	Take-Up Lever Shaft Bush(L)				1	
F-2-16	08200800A000	Take-Up Lever Shaft Bush(R)				1	
F-2-17	11047PR-A002	Cable Support "B"				1	
F-2-18	02023SC-7113	Hex.Socket Bolt(M4*L5)			O	2	
F-2-19	07009SC-4517	Hex. Socket Bolt(M5*L6)			O	2	

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	18014SW-3115	Spring Washer (@4-No2)			O	4	
F-3-4	18015SW-3111	Washer (4@)			O	4	
F-3-5	MO-000012-00	Color Change Motor	Jul,16,05 ~	X		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				2	
F-3-11	13020GA-UK06	Color Change Gear (L)				1	
F-3-12	08113SC-A001	Collar Screw				4	
F-3-13	13019PR-A001	Half Turn Film Washer (T1.0)				1	
F-3-14	13021GA-UK06	Color Change Gear (R)				1	
F-3-15	13010BR-T121	Washer(@12*@26*1T)				4	
F-3-16	13041BR-UK01	Trust Bearing				2	
F-3-17	13010CW-UK06	Color Change Collar				1	
F-3-18	04012AF-A001	Hook Shaft Bush Screw				4	
F-3-19	13005CM-UK06	Color Change Cam				1	
F-3-20	GP-006252-00	Color Change Bushing	Dec,15,04 ~	X		2	
F-3-21	15012MT-T121	Potentiometer (7824 R1K L25)				1	
F-3-22	15014PR-T121	Potentiometer Washer				1	
F-3-23	13015PR-UK06	Potentiometer Bracket				1	
F-3-24	13032AD-UK06	Color Change Film Set				1	
F-3-25	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	2	
F-3-26	13007CW-UK06	Color Change Shaft				1	
F-3-27	08113SC-A001	Collar Screw				1	
F-3-28	08102300B000	Half Turn Sensor (Gp1S51V)				1	
F-3-29	08006SC-8118	Plus Screw (M3*L5)			O	2	
F-3-30	25037EL-UK01	Half Turn Cable (2Ht-36)				1	
F-3-31	25029EL-UK01	C/C Motor Cable (2Ht-28)				1	
F-3-32	25036EL-UK01	Cc Potentiometer Cable(4Ht-36)				1	
F-3-33	25035EL-UK01	Cc Poten. Meter To J/B(4Ht-35)				1	
F-3-34	AS-004029-00	Color Change Motor Assy				1	

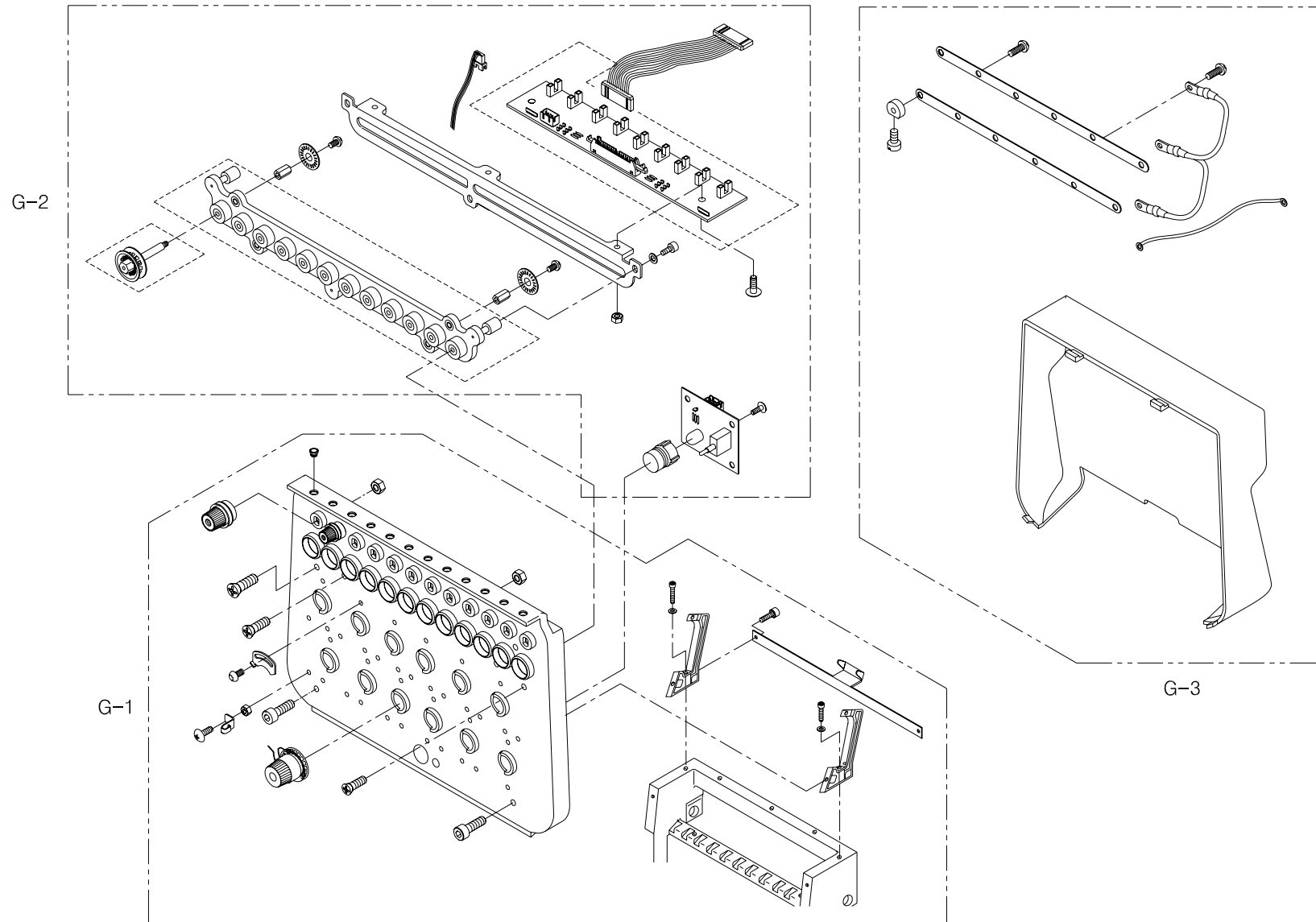
F-4

This diagram illustrates the assembly of the F-4 component. It shows a top plate (F-4-6) being attached to a base frame (F-4-1). The top plate is secured by two screws (F-4-7) and a pin (F-4-5). The base frame is secured by a pin (F-4-2) and a screw (F-4-3). The base frame is also secured by a screw (F-4-4) and a screw (F-4-8). The base frame is shown in an exploded view, indicating its position relative to the top plate.

Note



Thread Tension Unit



G-1,G-2 : AS-000476-00 (TENSION UNIT PLATE Assy)

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

G-2

G-1,G-2 : AS-000476-00 (TENSION UNIT PLATE Assy)



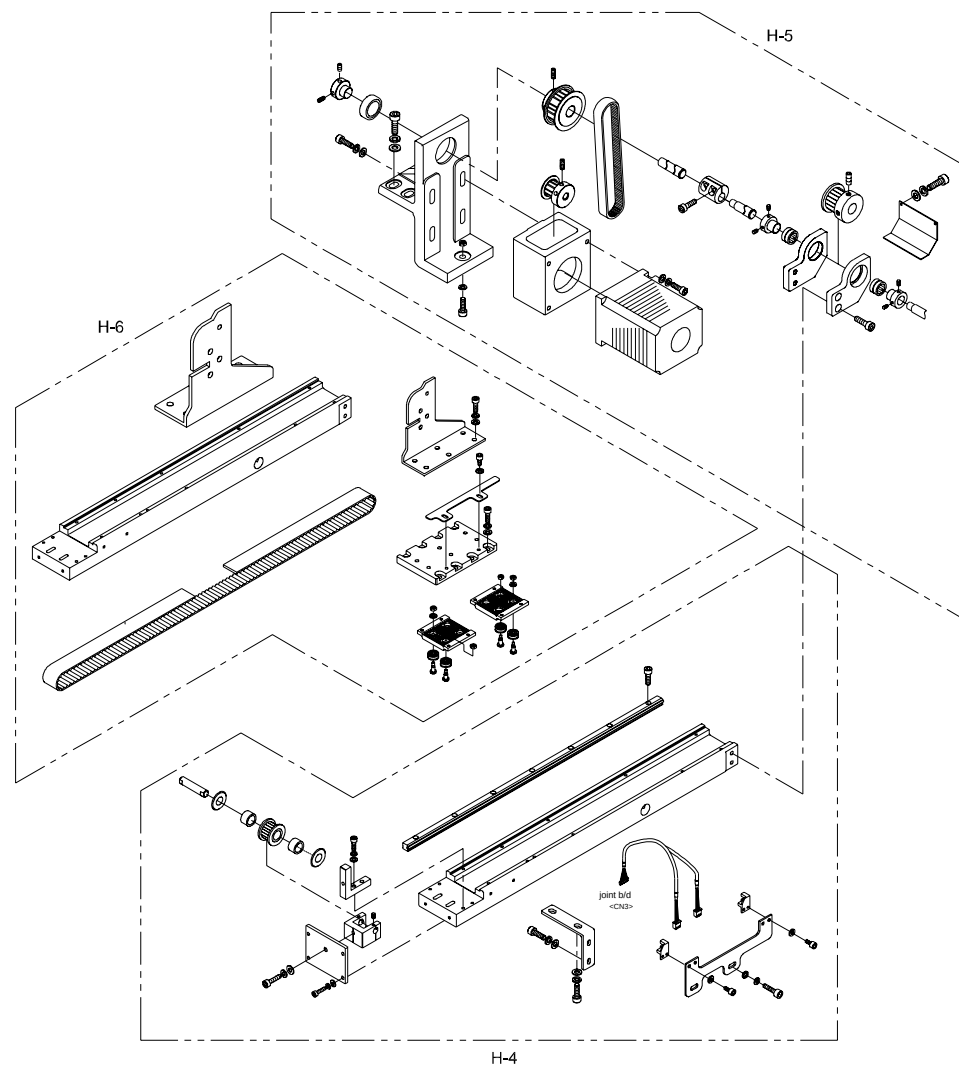
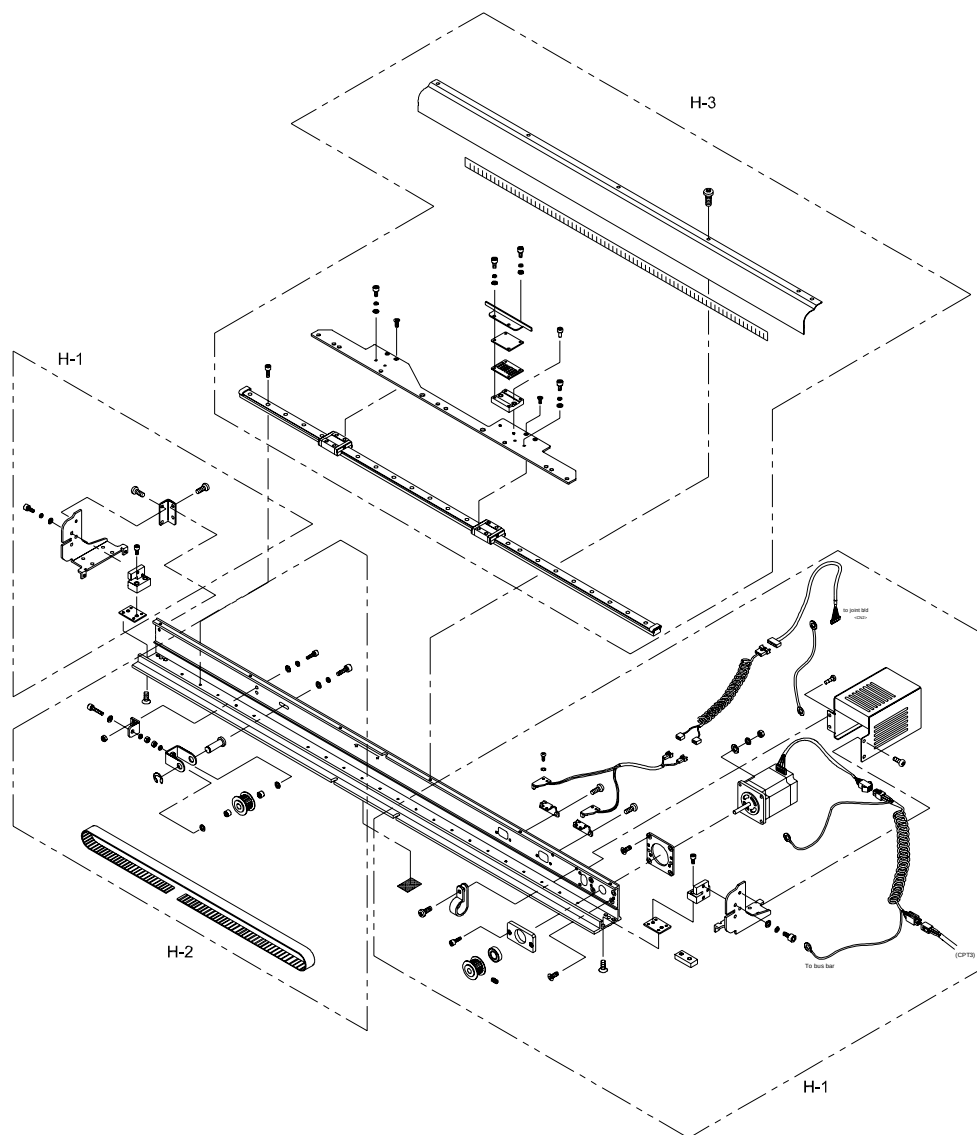
G-3

The diagram illustrates the assembly of the G-3 component. It features a main rectangular frame (G-3-1) with a U-shaped cutout at the bottom. Two long, thin strips (G-3-2) are positioned horizontally above the frame. A cable (G-3-3) is connected to the strips. A small component (G-3-4) is attached to the cable. A cable (G-3-5) is connected to the cable (G-3-3). A small component (G-3-6) is attached to the cable (G-3-5).

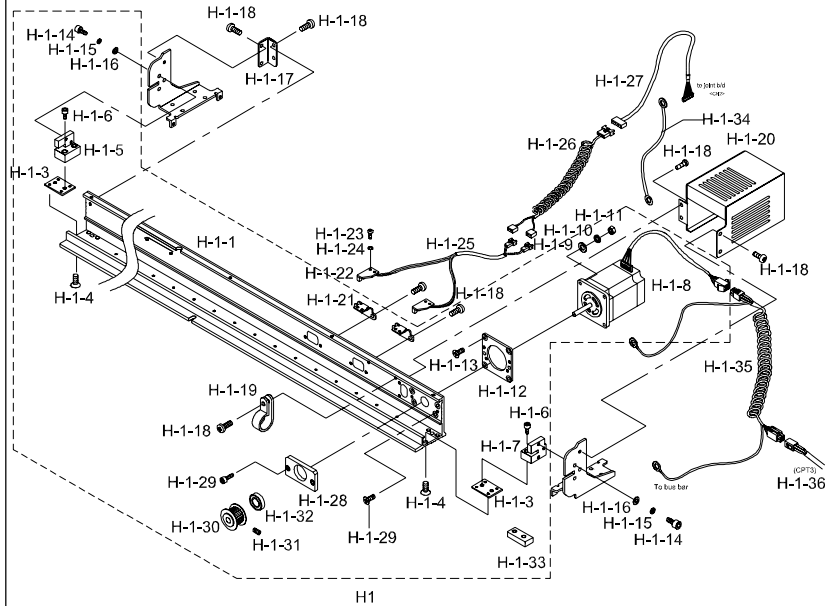
Note	

[illegible]

X-Y Axis Drive System



H-1



Note

H1,H2,H3 : AS-004338-00 (X-Axis Frame Assy)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-1-1	12001AD-T121	X-Axis Frame				1	
H-1-3	12049PR-T121	Connector Bracket Plate				2	
H-1-4	10010SC-8119	Plus Screw				8	
H-1-5	12051AD-T121	Y-Moving Connector Bracket(L)				1	
H-1-6	02031SC-7113	HEX. SOCKET SCREW(M5*L10)			O	4	
H-1-7	12053AD-T121	Y-Moving Connector Bracket(R)				1	
H-1-8	12003BM-T121	X-Motor Set				1	
H-1-9	18015SW-3111	Washer (@4)			O	4	
H-1-10	18014SW-3115	Spring Washer (@4)			O	4	
H-1-11	05016SN-1211	Hex.Nut (M4)			O	4	
H-1-12	05016SN-1211	X-Axis Motor Plate(A)				1	
H-1-13	15057SC-8119	Plus Screw (M4*L14)			O	4	
H-1-14	18013AF-7113	Hex. Socket Bolt (M4*L10)			O	6	
H-1-15	18014SW-3115	Spring Washer (@4)			O	6	
H-1-16	06003SW-2111	Washer (@4-s)			O	6	
H-1-17	15065PR-T121	X-Frame Reinforced Plate				1	
H-1-18	15042SC-3123	Plus Screw (M4*L6)			O	19	
H-1-19	15046ET-T121	Wire Holder				3	
H-1-20	GP-014793-00	Motor Cover	Jan,24,06 ~	X		1	
	GP-014793-01		Feb,06,07 ~	△			
H-1-21	15041PR-T121	X-Sensor Bracket				2	
H-1-22	15043EL-T121	Sensor Set				2	
H-1-23	22015SC-9134	Plus Screw (M3*L6)			O	4	
H-1-24	08011SW-1111	Washer (@3)			O	4	
H-1-25	25055EL-T121	X-Ori. In Sensor Cable (1HT-55)				1	
H-1-26	25028EL-CT01	X-Origin Sensor Middle Cable				1	
H-1-27	25027EL-CT01	X-Origin Sensor To J/B				1	
H-1-28	05100200T000	X-Axis Motor Plate(B)				1	
H-1-29	02014SC-7113	HEX. SOCKET BOLT (M4*L5)			O	4	
H-1-30	14063PU-UK01	Timing Pulley "B"				1	
H-1-31	04014SC-4517	Hex.Socket Set Screw (M5*L5)			O	2	
H-1-32	15077BR-A001	Ball Bearing (698Zz)			O	1	
H-1-33	15073AD-T121	X-Moving Stopper				2	
H-1-34	02106600T000	X-Motor Frame Trans Earth (CEHT*66)				1	
H-1-35	25007EL-CT01	X-Motor Power Middle Cable				1	
H-1-36	25006EL-CT01	M/C BRACKET TO MAIN&X,Y MOTOR				1	

H-2

The diagram illustrates the assembly of the H-2 door. The main components are shown in an exploded view, with dashed lines indicating their relative positions and assembly sequence. The components are labeled as follows:

- H-2-1: A small circular component, likely a roller or pulley.
- H-2-2: A small cylindrical component, likely a pin or bush.
- H-2-3: A small cylindrical component, likely a pin or bush.
- H-2-4: A rectangular component, likely a bracket or plate.
- H-2-5: A small cylindrical component, likely a pin or bush.
- H-2-6: A small cylindrical component, likely a pin or bush.
- H-2-7: A small cylindrical component, likely a pin or bush.
- H-2-8: A small cylindrical component, likely a pin or bush.
- H-2-9: A small cylindrical component, likely a pin or bush.
- H-2-10: A rectangular component, likely a bracket or plate.
- H-2-11: A small cylindrical component, likely a pin or bush.
- H-2-12: A small cylindrical component, likely a pin or bush.
- H-2-13: A small cylindrical component, likely a pin or bush.
- H-2-14: A small cylindrical component, likely a pin or bush.
- H-2-15: A small cylindrical component, likely a pin or bush.
- H-2-16: A small cylindrical component, likely a pin or bush.
- H-2-17: A small cylindrical component, likely a pin or bush.
- H-2-18: A small cylindrical component, likely a pin or bush.
- H-2-19: A long, curved component, likely a door panel or frame.

The assembly sequence is indicated by the numbers 1 through 19, showing the order in which the components are assembled. The diagram is labeled "H2" at the bottom left.

H1,H2,H3 : AS-004338-00 (X-Axis Frame Assy)



H-3

This exploded view diagram illustrates the assembly of the H-3 door. The main components shown are:

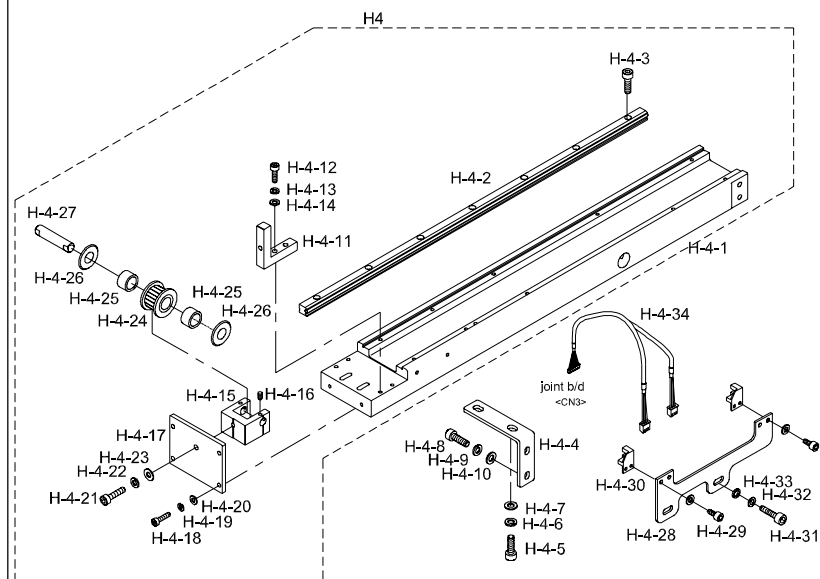
- H-3-1:** The main door frame or track assembly.
- H-3-2:** A small pin or screw used for assembly.
- H-3-3:** A long, thin metal plate or bracket.
- H-3-4:** A small pin or screw.
- H-3-5:** A small pin or screw.
- H-3-6:** A small pin or screw.
- H-3-7:** A small rectangular component, possibly a switch or sensor.
- H-3-8:** A small rectangular component, possibly a switch or sensor.
- H-3-9:** A small rectangular component, possibly a switch or sensor.
- H-3-10:** A small rectangular component, possibly a switch or sensor.
- H-3-11:** A small rectangular component, possibly a switch or sensor.
- H-3-12:** A small pin or screw.
- H-3-13:** A small pin or screw.
- H-3-14:** A long, thin metal plate or bracket.
- H-3-15:** A long, thin metal plate or bracket.
- H-3-16:** A small pin or screw.

The diagram uses dashed lines to indicate the assembly path and the relative positions of the components. The components are labeled with their respective part numbers, and the assembly is shown in a perspective view.

H1,H2,H3 : AS-004338-00 (X-Axis Frame Assy)



H-4

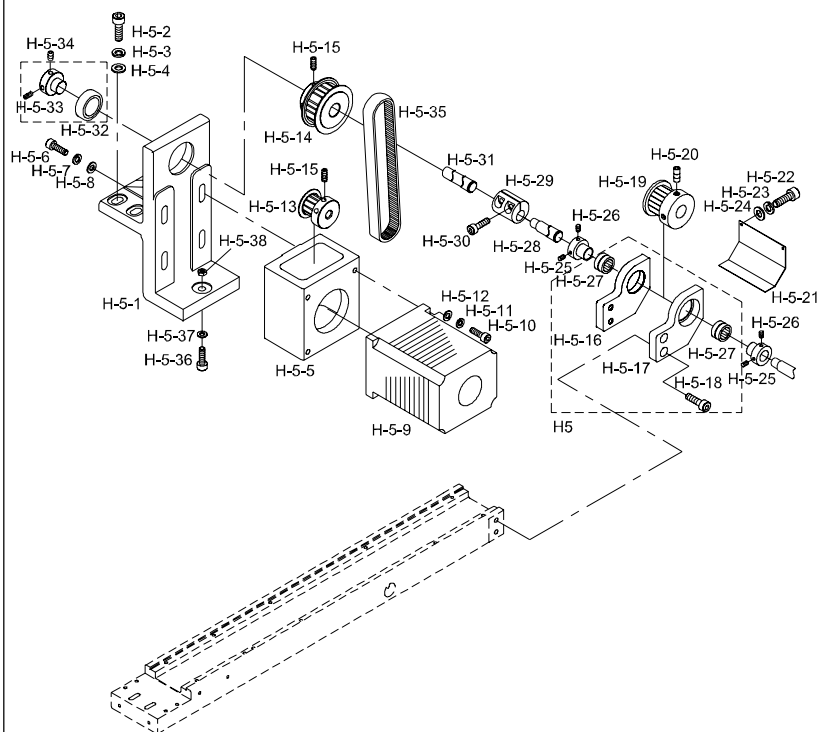


Note

H4,H5,H6 : AS-004713-00 (Y-Axis Frame Assy)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-4-1	GP-013718-00	Y-LM-Guide Frame	Dec,13,05 ~	X		2	
H-4-2	GP-013731-00	Y-LM Guide Rail	Dec,14,05 ~	X		4	
H-4-3	03071SC-A001	Hex.Socket Bolt(M3*L15)			O	28	
H-4-4	GP-014098-00	Y-LM Support Fixing Plate	Dec,24,05 ~	X		2	
H-4-5	14006SC-7113	Hex.Socket Bolt(M8*L15)			O	4	
H-4-6	15095SW-3115	Spring Washer (@8)			O	4	
H-4-7	08041SW-1111	Washer (@8)			O	4	
H-4-8	08076SC-7113	Hex.Socket Bolt(M5*L12)			O	4	
H-4-9	18048SW-3115	Spring Washer (@5)			O	4	
H-4-10	16018SW-1111	Washer (@5)			O	4	
H-4-11	03100700UH00	Fixed Block				4	
H-4-12	11029SC-4113	Hex.Socket Bolt(M4*L20)			O	8	
H-4-13	18014SW-3115	Spring Washer (@4)			O	8	
H-4-14	18015SW-3111	Washer (@4)			O	8	
H-4-15	GP-013723-00	Y-Tension Adjusting Base	Dec,13,05 ~	X		2	
H-4-16	08007SC-4517	Hex.Socket Set Screw				4	
H-4-17	03100600UH00	Tension Adjusting Plate				2	
H-4-18	07016SC-7113	Hex.Socket Bolt (M4*L12)			O	8	
H-4-19	02028SW-9115	Spring Washer (@4)			O	8	
H-4-20	05009SW-1111	Washer (@4-L)			O	8	
H-4-21	16028SC-7113	Hex.Socket Bolt(M5*L25)			O	2	
H-4-22	18048SW-3115	Spring Washer (@5)			O	2	
H-4-23	18049SW-3111	Washer (@5)			O	2	
H-4-24	12017PU-T121	Timing Pulley "A"				2	
H-4-25	15042BR-A001	Needle Bearing				4	
H-4-26	15046RB-A001	Driving Pin Washer(TW1225)				4	
H-4-27	16100CW-UK06	Timing Pulley Shaft				2	
H-4-28	GP-013722-00	Y-Sensor Bracket	Dec,13,05 ~	X		1	
H-4-29	07018SC-8118	Plus Screw (M3*L8)			O	4	
H-4-30	15046EL-CT01	Xy-Sensor Assy				2	
H-4-31	02015SC-7113	HEX.SOCKET BOLT(M4*L10)			O	2	
H-4-32	18014SW-3115	Spring Washer (@4-No2)			O	2	
H-4-33	18015SW-3111	Washer (4@)			O	2	
H-4-34	25030EL-CT01	Y-Origin Sensor To J/B				1	

H-5



Note

H4,H5,H6 : AS-004713-00 (Y-Axis Frame Assy)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-5-1	GP-013719-00	Y-Motor Bracket(A)	Dec,13,05 ~	X		1	
	GP-013719-01		Jun,01,06 ~	△			
H-5-2	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	4	
H-5-3	16014SW-4115	Spring Washer (@6)			O	4	
H-5-4	08057SW-1111	Washer (@6)			O	4	
H-5-5	GP-013720-00	Y-Motor Bracket(B)	Dec,13,05 ~	X		1	
H-5-6	08091SC-7113				O	4	
H-5-7	16014SW-4115	Spring Washer (@6)			O	4	
H-5-8	08057SW-1111	Washer (@6)			O	4	
H-5-9	STM01-000001	Pulse Motor				1	
H-5-10	15105SC-7113	Hex.Socket Bolt(M4*L15)			O	4	
H-5-11	18014SW-3115	Spring Washer (@4)			O	4	
H-5-12	18015SW-3111	Washer (@4)			O	4	
H-5-13	16024PU-CT01	Y-Motor Timing Pulley				1	
H-5-14	16033PU-CT01	Y-Drive Timing Pulley				1	
H-5-15	04012AF-A001	Hook Shaft Bush Screw				4	
H-5-16	031009000H00	Y-Bearing Bracket(L)				2	
H-5-17	0310100UH00	Y-Bearing Bracket(R)				2	
H-5-18	07035SC-7113	Bracket Screw (M3*L6)			O	8	
H-5-19	13033PU-T121	Y-Drive Timing Pulley				2	
H-5-20	04012AF-A001	Hook Shaft Bush Screw				4	
H-5-21	03101100UH00	Y-Bearing Bracket Cover				2	
H-5-22	07035SC-7113	Bracket Screw (M3*L6)			O	8	
H-5-23	11019SW-9115	Spring Washer (3@)			O	8	
H-5-24	06011SW-2111	WASHER (@3)			O	8	
H-5-25	03002700T000	Bearing Collar				4	
H-5-26	04012AF-A001	Hook Shaft Bush Screw				8	
H-5-27	13026BR-T121	Needle Bearing				4	
H-5-28	GP-014014-00	Y-Driving Shaft "A"	Dec,21,05 ~	X		2	
H-5-29	03005100U000	Coupling "A"				1	
H-5-30	03016SC-4113	Hex.Socket Bolt (M5*L15)			O	2	
H-5-31	GP-014015-00	Y-Driving Shaft "B"	Dec,21,05 ~	X		1	
H-5-32	04026BR-A001	Ball Bearing 6003Z			O	1	
H-5-33	01102000B000	Bearing Bushing				1	
H-5-34	14060AF-4517	Hex.Socket Set Screw(M6*L6)			O	2	
H-5-35	BE-000030-00	Timing Belt	Jun,08,05 ~	X		1	
H-5-36	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	1	

H4,H5,H6 : AS-004713-00 (Y-Axis Frame Assy)

[illegible]

H-6

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

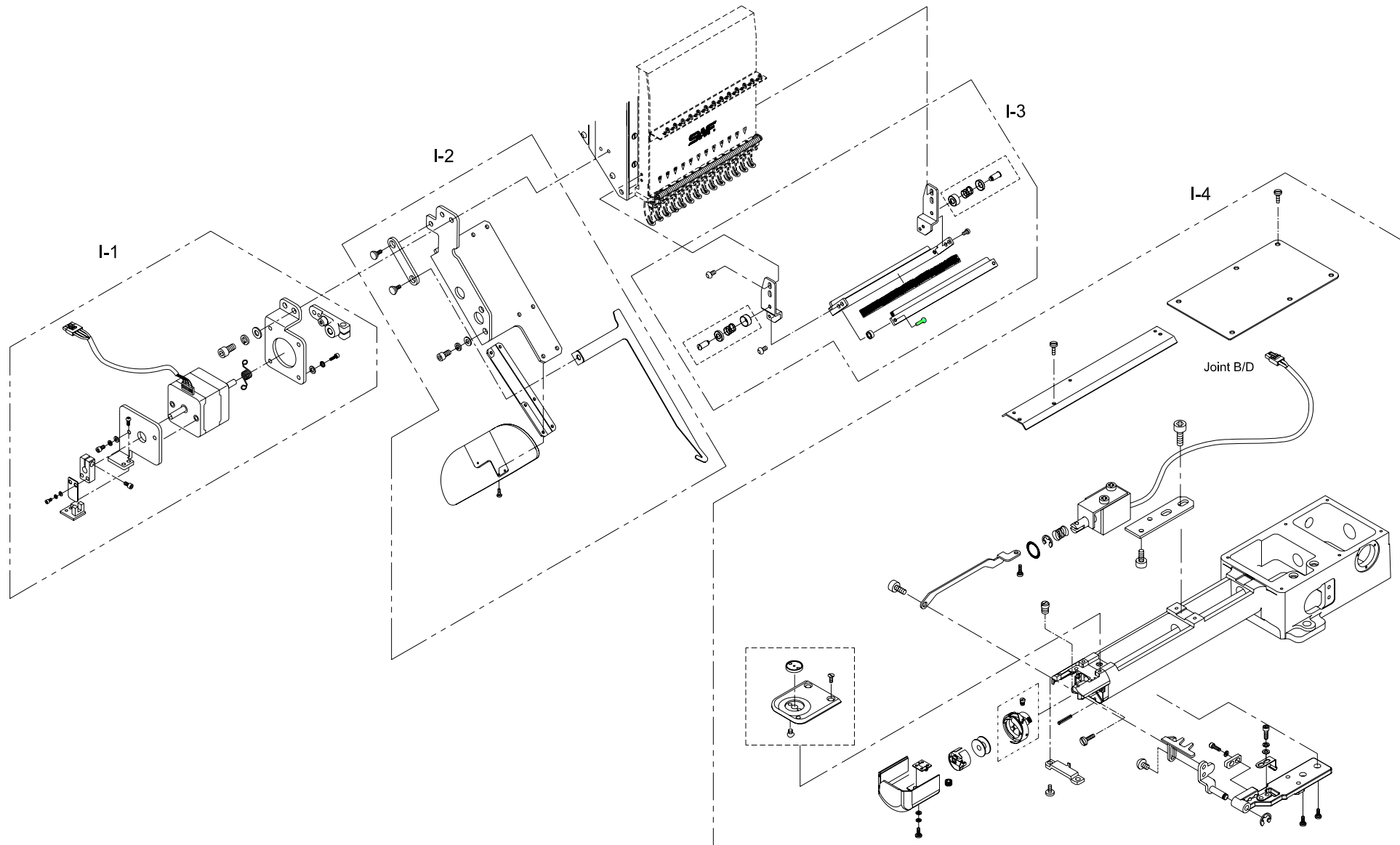
- H-6-1**: The main base plate, shown with dashed lines indicating its position relative to the other components.
- H-6-2**, **H-6-3**, **H-6-4**: Screws used to secure the **H-6-16** bracket to the **H-6-1** base.
- H-6-5**: A small rectangular component, shown with dashed lines indicating its position relative to the **H-6-1** base.
- H-6-6**, **H-6-7**, **H-6-8**, **H-6-9**, **H-6-10**, **H-6-11**: Screws used to secure the **H-6-5** component to the **H-6-1** base.
- H-6-12**: A long, thin, ribbed component, shown with dashed lines indicating its position relative to the **H-6-1** base.
- H-6-13**: A bracket component, shown with dashed lines indicating its position relative to the **H-6-1** base.
- H-6-14**, **H-6-15**: Screws used to secure the **H-6-13** bracket to the **H-6-1** base.
- H-6-16**: A bracket component, shown with dashed lines indicating its position relative to the **H-6-1** base.
- H-6-17**: A bracket component, shown with dashed lines indicating its position relative to the **H-6-1** base.
- H-6-18**: A small rectangular component, shown with dashed lines indicating its position relative to the **H-6-1** base.

The assembly is shown in a perspective view, with dashed lines indicating the relative positions of the components. The components are labeled with their respective part numbers, and the assembly sequence is indicated by the numbers 1 through 18.

H4,H5,H6 : AS-004713-00 (Y-Axis Frame Assy)



Setting



I1,I2 : AS-004220-00 (wiper Assy)

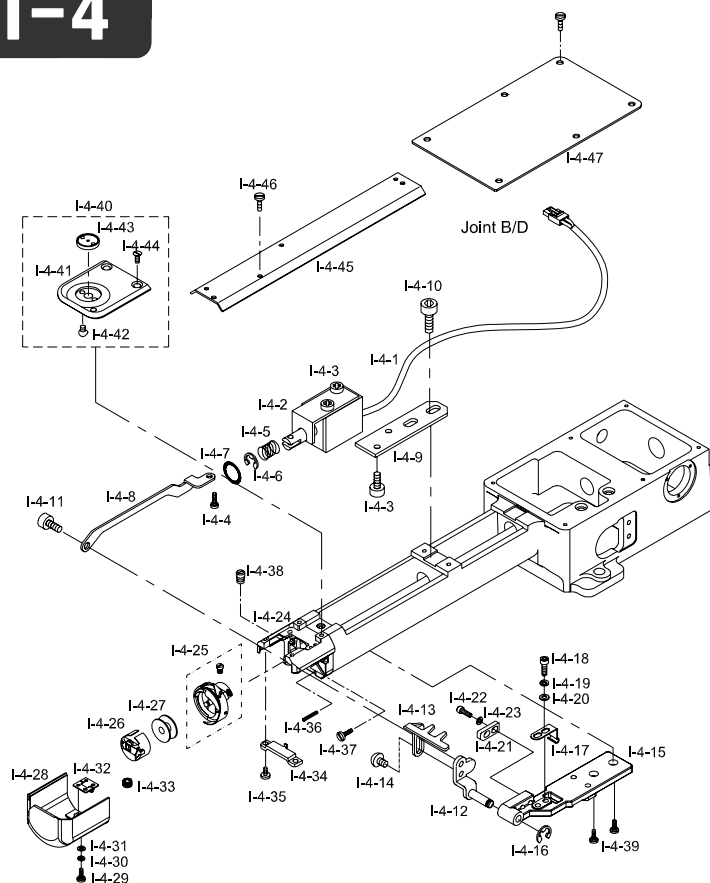
O

I

[illegible]

Note

I-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-4-1	EP-000036-00	Picker Sol.	Jul,16,05 ~	X		1	
I-4-2	01-012A-AT10	Picker Sol. Cover				1	
I-4-3	28021sc-3123	Plus Screw(M3*L4)			O	4	
I-4-4	10021SC-A001	Sol. Stud Screw				1	
I-4-5	10011SP-A001	Sol. Spring				1	
I-4-6	13044SR-4013	E-Ring (@3)			O	1	
I-4-7	10012RB-A001	Cushion Washer				1	
I-4-8	GP-005370-00	Connecting Plate	Nov,02,04 ~	X		1	
I-4-9	01-013A-AT10	Picker Sol. Base				1	
I-4-10	02015SC-7113	HEX.SOCKET BOLT(M4*L10)			O	2	
I-4-11	08012CW-T121	Connecting Plate Stud Screw				1	
I-4-12	AS-001429-00	Picker Base	Nov,01,04 ~	X		1	
	AS-001429-01		May,30,06 ~	△			
	AS-001429-02		Dec,04,08 ~	△			
I-4-13	GP-005368-00	Picker	Nov,01,04 ~	X		1	
I-4-14	05007SC-4113	Plus Screw (M3*L15)			O	2	
I-4-15	GP-005366-00	Picker Bracket	Nov,01,04 ~	X		1	
I-4-16	15159SR-4013	E-Ring (3@)			O	1	
I-4-17	GP-005362-00	Hook Cover Holder	Nov,01,04 ~	X		1	
I-4-18	08006SC-8118	Plus Screw(M3*L5)			O	2	
I-4-19	11019SW-9115	Spring Washer(@3)			O	2	
I-4-20	06011SW-2111	Washer(@3)			O	2	
I-4-21	GP-005369-00	Picker Stopper	Nov,01,04 ~	X		1	
	GP-005369-01		May,19,05 ~	△			
I-4-22	07035SC-4113	Hex.Socket Bolt(M3*L6)			O	2	
I-4-23	06011SW-2111	Washer(@3)			O	2	
I-4-24	GP-005357-00	NEEDLE PLATE BRACKET(SET)	Nov,01,04 ~	X		1	
	GP-005357-01		Jul,13,05 ~	△			
	GP-005357-02		Ded,04,08 ~	△			
I-4-25	04033AF-D002	Rotary Hook Set				1	
I-4-26	04034AF-A001	Bobbin Case Set				1	
I-4-27	04035AF-A001	Bobbin				1	
I-4-28	GP-005360-00	Hook Cover	Nov,01,04 ~	X		1	
	GP-005360-01		Oct,20,05 ~	△			
	GP-005360-02		May,25,06 ~	△			
I-4-29	07035SC-4113	Plus Screw (M3*L8)			O	2	
I-4-30	11019SW-0115	Spring Washer(@3)			O	2	

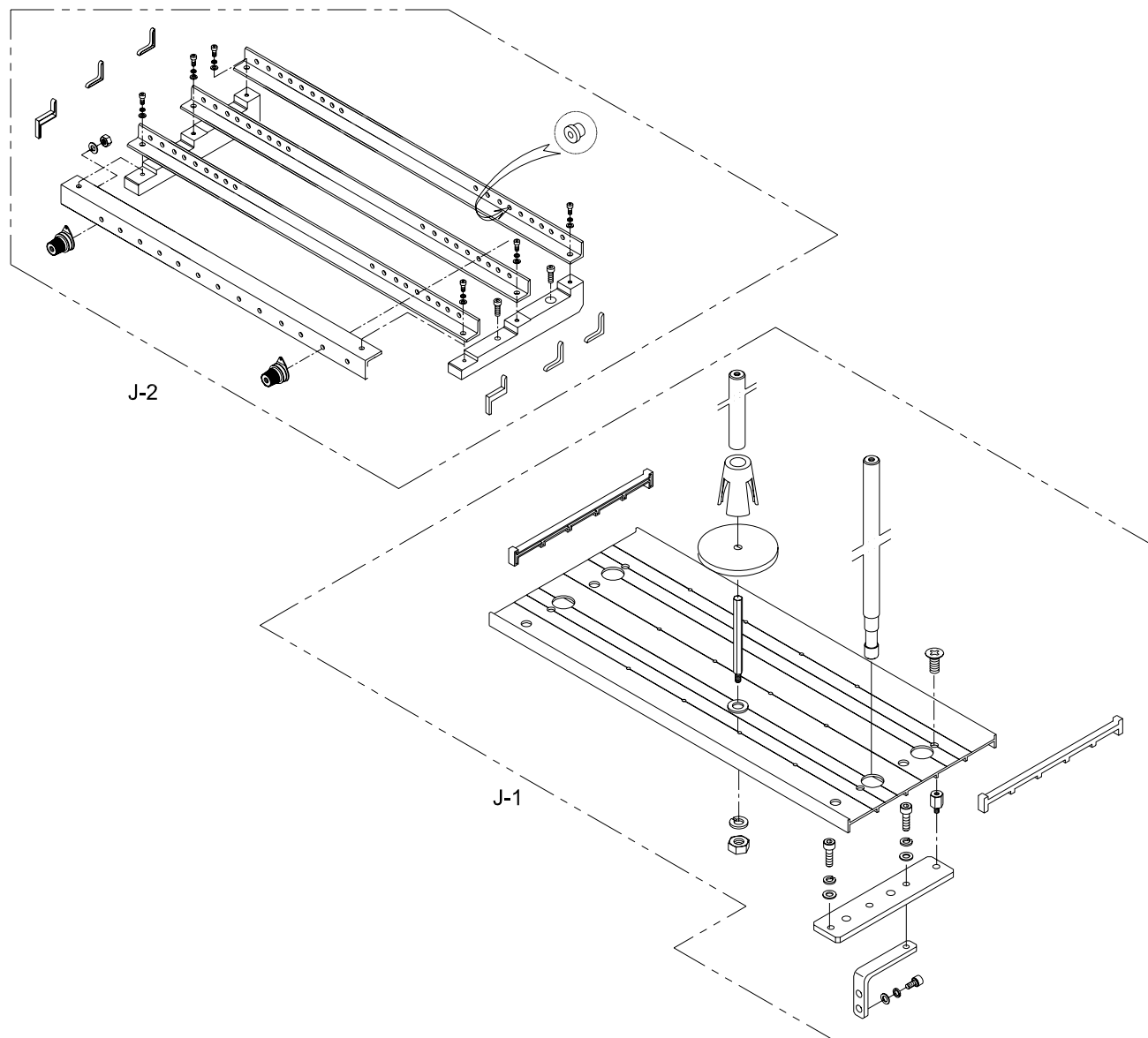
I-4

This exploded view diagram illustrates the assembly of the I-4 unit. The components are labeled with part numbers and callouts indicating their assembly sequence. The main assembly consists of a base unit (I-4-1) with a motor (I-4-2) and a drive shaft (I-4-3). A cable (I-4-10) is connected to the motor. A bracket (I-4-9) is attached to the motor. A long drive shaft (I-4-45) is connected to the motor. A pulley (I-4-40) is attached to the drive shaft. A belt (I-4-41) is used to drive the pulley. A motor housing (I-4-46) is attached to the motor. A motor terminal block (I-4-47) is connected to the motor. A motor terminal block (I-4-48) is connected to the motor. A motor terminal block (I-4-49) is connected to the motor. A motor terminal block (I-4-50) is connected to the motor. A motor terminal block (I-4-51) is connected to the motor. A motor terminal block (I-4-52) is connected to the motor. A motor terminal block (I-4-53) is connected to the motor. A motor terminal block (I-4-54) is connected to the motor. A motor terminal block (I-4-55) is connected to the motor. A motor terminal block (I-4-56) is connected to the motor. A motor terminal block (I-4-57) is connected to the motor. A motor terminal block (I-4-58) is connected to the motor. A motor terminal block (I-4-59) is connected to the motor. A motor terminal block (I-4-60) is connected to the motor. A motor terminal block (I-4-61) is connected to the motor. A motor terminal block (I-4-62) is connected to the motor. A motor terminal block (I-4-63) is connected to the motor. A motor terminal block (I-4-64) is connected to the motor. A motor terminal block (I-4-65) is connected to the motor. A motor terminal block (I-4-66) is connected to the motor. A motor terminal block (I-4-67) is connected to the motor. A motor terminal block (I-4-68) is connected to the motor. A motor terminal block (I-4-69) is connected to the motor. A motor terminal block (I-4-70) is connected to the motor. A motor terminal block (I-4-71) is connected to the motor. A motor terminal block (I-4-72) is connected to the motor. A motor terminal block (I-4-73) is connected to the motor. A motor terminal block (I-4-74) is connected to the motor. A motor terminal block (I-4-75) is connected to the motor. A motor terminal block (I-4-76) is connected to the motor. A motor terminal block (I-4-77) is connected to the motor. A motor terminal block (I-4-78) is connected to the motor. A motor terminal block (I-4-79) is connected to the motor. A motor terminal block (I-4-80) is connected to the motor. A motor terminal block (I-4-81) is connected to the motor. A motor terminal block (I-4-82) is connected to the motor. A motor terminal block (I-4-83) is connected to the motor. A motor terminal block (I-4-84) is connected to the motor. A motor terminal block (I-4-85) is connected to the motor. A motor terminal block (I-4-86) is connected to the motor. A motor terminal block (I-4-87) is connected to the motor. A motor terminal block (I-4-88) is connected to the motor. A motor terminal block (I-4-89) is connected to the motor. A motor terminal block (I-4-90) is connected to the motor. A motor terminal block (I-4-91) is connected to the motor. A motor terminal block (I-4-92) is connected to the motor. A motor terminal block (I-4-93) is connected to the motor. A motor terminal block (I-4-94) is connected to the motor. A motor terminal block (I-4-95) is connected to the motor. A motor terminal block (I-4-96) is connected to the motor. A motor terminal block (I-4-97) is connected to the motor. A motor terminal block (I-4-98) is connected to the motor. A motor terminal block (I-4-99) is connected to the motor. A motor terminal block (I-4-100) is connected to the motor.

Note

O

Spool



J-1

This exploded view diagram illustrates the assembly of the J-1 unit. The main components and their assembly sequence are as follows:

- J-1-1**: The main rectangular base plate.
- J-1-2**: A screw used to secure the base plate.
- J-1-3**: A small cylindrical component that fits into the base plate.
- J-1-4**: A screw used to secure the base plate.
- J-1-5**: A small cylindrical component that fits into the base plate.
- J-1-6**: A small cylindrical component that fits into the base plate.
- J-1-7**: A small cylindrical component that fits into the base plate.
- J-1-8**: A conical component that fits into the base plate.
- J-1-9**: A circular component that fits into the base plate.
- J-1-10**: A vertical rod that fits into the base plate.
- J-1-11**: A small cylindrical component that fits into the base plate.
- J-1-12**: A small cylindrical component that fits into the base plate.
- J-1-13**: A small cylindrical component that fits into the base plate.
- J-1-14**: A vertical rod that fits into the base plate.
- J-1-15**: A vertical rod that fits into the base plate.
- J-1-16**: A small cylindrical component that fits into the base plate.
- J-1-17**: A small cylindrical component that fits into the base plate.
- J-1-18**: A small cylindrical component that fits into the base plate.
- J-1-19**: A small cylindrical component that fits into the base plate.
- J-1-20**: A long, thin component that fits into the base plate.

Note

J

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

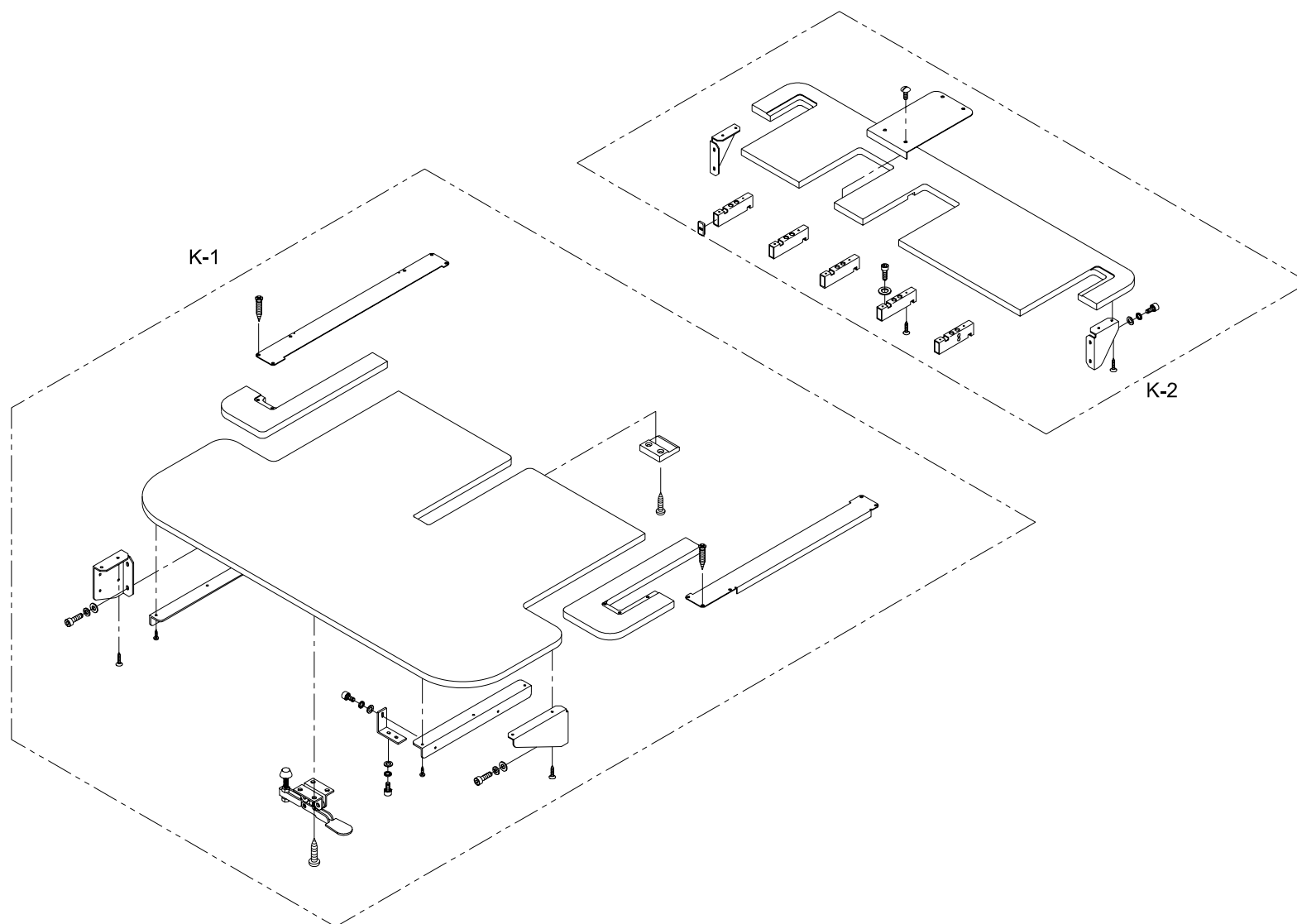
- J-2-1**: Main horizontal beam.
- J-2-2**: Secondary horizontal beam.
- J-2-3**: Tertiary horizontal beam.
- J-2-4**: Long horizontal beam at the bottom.
- J-2-5**: Small vertical pin.
- J-2-6**: Small vertical pin.
- J-2-7**: Small vertical pin.
- J-2-8**: Small vertical pin.
- J-2-9**: Small vertical pin.
- J-2-10**: Large vertical pin/bushing.
- J-2-11**: Large vertical pin/bushing.
- J-2-12**: Small vertical pin/bushing.
- J-2-13**: Small vertical pin/bushing.
- J-2-14**: L-shaped bracket.
- J-2-15**: L-shaped bracket.
- J-2-16**: L-shaped bracket.
- J-2-17**: Circular component with a central pin.

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

Note

[illegible]

Work Table



This exploded view diagram illustrates the assembly of the K1 desk. The main components and their assembly points are as follows:

- Top Panel (K-1-1):** The central desk surface.
- Front Edge Band (K-1-4):** Attached to the front edge of the top panel using screws K-1-5.
- Right Edge Band (K-1-6):** Attached to the right edge of the top panel using screws K-1-5.
- Left Support Bracket (K-1-7):** Mounts the left side of the desk. It is secured with screws K-1-9, K-1-10, and K-1-11.
- Right Support Bracket (K-1-8):** Mounts the right side of the desk. It is secured with screws K-1-9, K-1-10, and K-1-11.
- Front Support Bracket (K-1-15):** Mounts the front edge of the desk. It is secured with screws K-1-12, K-1-13, and K-1-14.
- Back Support Bracket (K-1-16):** Mounts the back edge of the desk. It is secured with screws K-1-17, K-1-18, and K-1-19.
- Adjustable Feet (K-1-22):** Attached to the bottom of the desk for leveling. They are secured with screws K-1-17, K-1-18, and K-1-19.
- Drawer Mounting Hardware (K-1-20, K-1-21):** Components for mounting drawers, shown in an exploded state.
- Drawer (K-1-23):** The main drawer unit, shown in an exploded state.



This exploded view diagram illustrates the assembly of the K-2 system. The main component is the large rectangular plate K-2-1. Other parts shown include:

- K-2-8**: A small L-shaped bracket.
- K-2-7**: A small rectangular component.
- K2-2**: Two long, narrow rectangular components.
- K-2-6**: A small rectangular component.
- K-2-5**: A small rectangular component.
- K-2-4**: A small rectangular component.
- K-2-3**: A small rectangular component.
- K-2-15**: A small rectangular component.
- K-2-14**: A small rectangular component.
- K-2-9**: A small rectangular component.
- K-2-10**: A small rectangular component.
- K-2-11**: A small rectangular component.
- K-2-12**: A small rectangular component.
- K-2-13**: A small rectangular component.

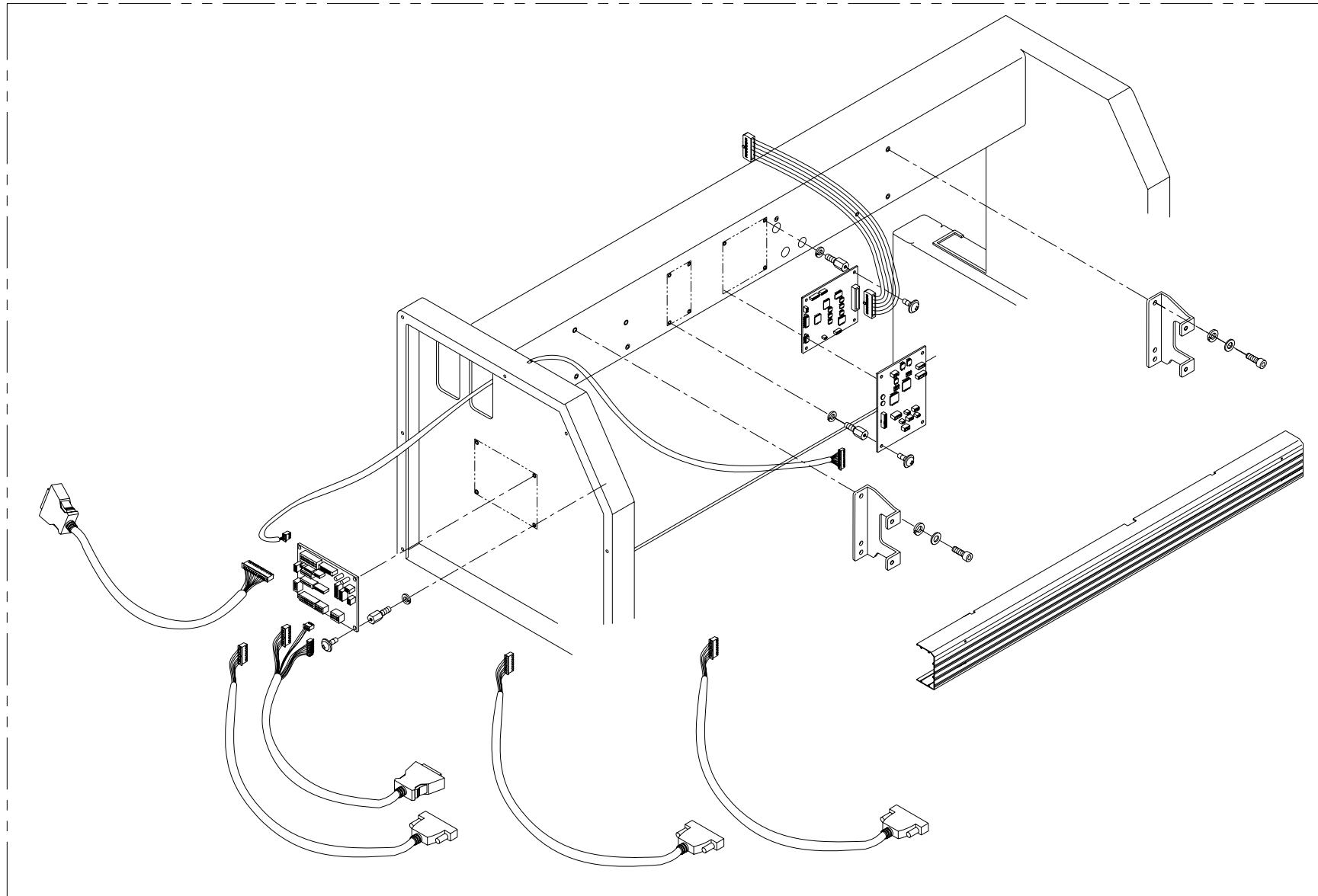
The diagram shows the relative positions and assembly points for these components, with lines indicating how they fit together.

Note

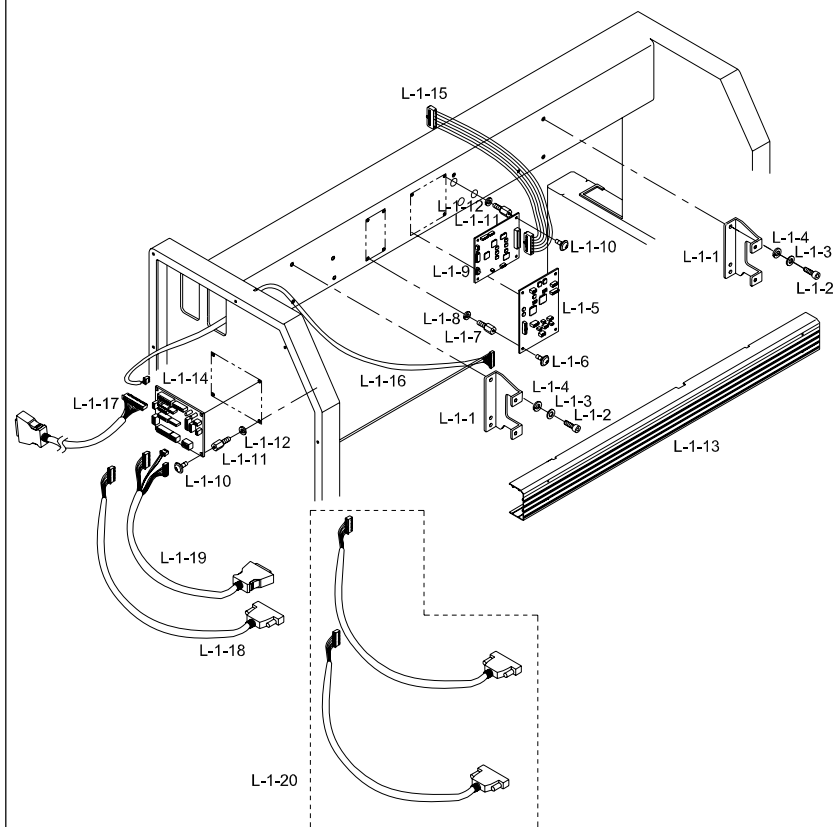
K

Cable

L-1



L-1



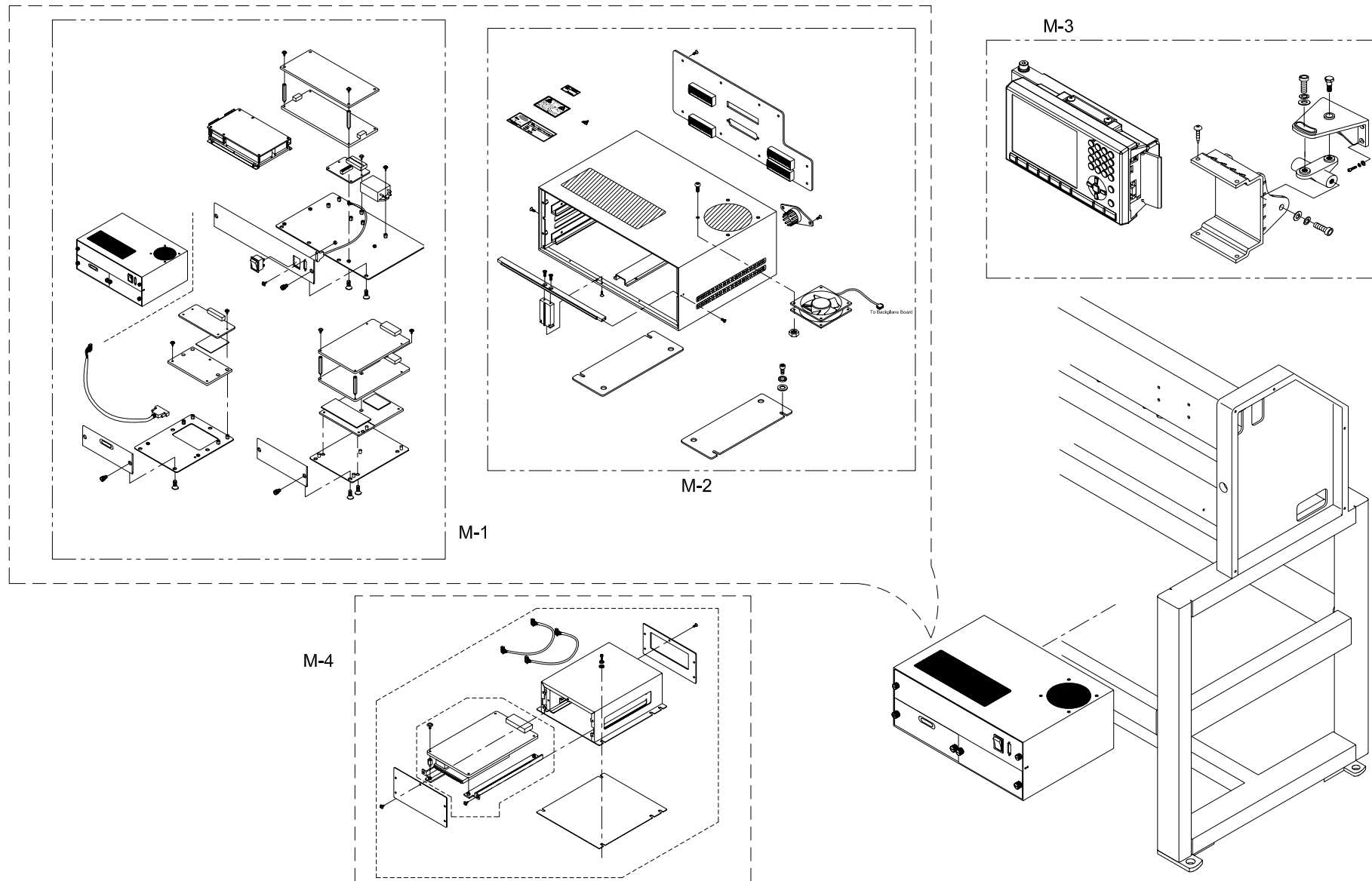
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
L-1-1	02000400B000	CABLE COVER HOLDER				2	
L-1-2	08076SC-7113	Hex. Socket Bolt (M5*L12)			O	4	
L-1-3	18048SW-3115	Spring Washer (@5)			O	4	
L-1-4	16018SW-1111	Washer (@5)			O	4	
L-1-5	BD-000324-00	Top Joint Board	Dec,08,05 ~	X		1	
	BD-000324-01		Apr,28,06 ~	△			
	BD-000324-02		Jul,25,06 ~	△			
	BD-000324-03		Oct,23,06 ~	△			
L-1-6	18154SC-9134	PLUS SCREW (M3*L8)			O	4	
L-1-7	11049SC-A001	Board Stud Bolt				4	
L-1-8	18048SW-3115	Spring Washer (@5)			O	4	
L-1-9	BD-000232-00	Thread Control Joint Board	Aug,16,05 ~	X		1	
	BD-000232-01		Sep,30,05 ~	△			
	BD-000232-02		Nov,03,05 ~	△			
	BD-000232-03		Feb,01,06 ~	△			
	BD-000232-04		Apr,26,06 ~	△			
	BD-000232-05		Jul,01,06 ~	△			
	BD-000232-06		Jul,15,06 ~	△			
	BD-000232-07		Sep,19,06 ~	△			
	BD-000232-08		Oct,20,06 ~	△			
	BD-000232-09		Sep,10,07 ~	△			
	BD-000232-10		Dec,13,07 ~	△			
	BD-000232-11		Dec,21,07 ~	△			
	BD-000232-12		Jul,30,08 ~	△			
	BD-000232-13		Aug.,14,08 ~	△			
	BD-000232-14		Dec,12,08 ~	△			
L-1-10	18154SC-9134	PLUS SCREW (M3*L8)			O	8	
L-1-11	11049SC-A001	Board Stud Bolt				8	
L-1-12	18048SW-3115	Spring Washer (@5)			O	8	
L-1-13	GP-013886-00	BOARD COVER	Dec,19,05 ~	X		1	
	GP-013886-01		Aug,08,06 ~	△			
	GP-013886-02		May,24,10 ~	△			
L-1-14	BD-000328-00	Joint Board	Dec,19,05 ~	X		1	
L-1-15	CA-001041-00	Cable To Thread Tension Wheel Board	Feb,26,06 ~	X		1	
L-1-16	CA-001021-00	Cable To Top Joint Board	Feb,26,06 ~	X		1	
L-1-17	CA-001022-00	Cable To Operation Box	Feb,26,06 ~	X		1	
	CA-001022-01		Jun,28,06 ~	△			
	CA-001022-02		Nov,17,08 ~	△			

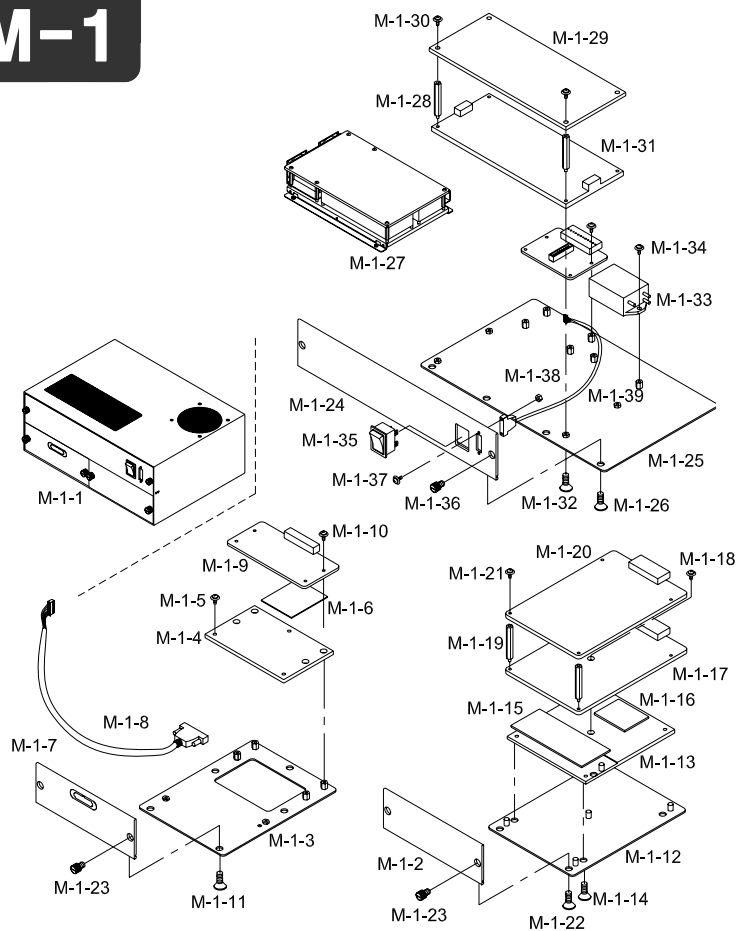
Note



Con Box & OP Box



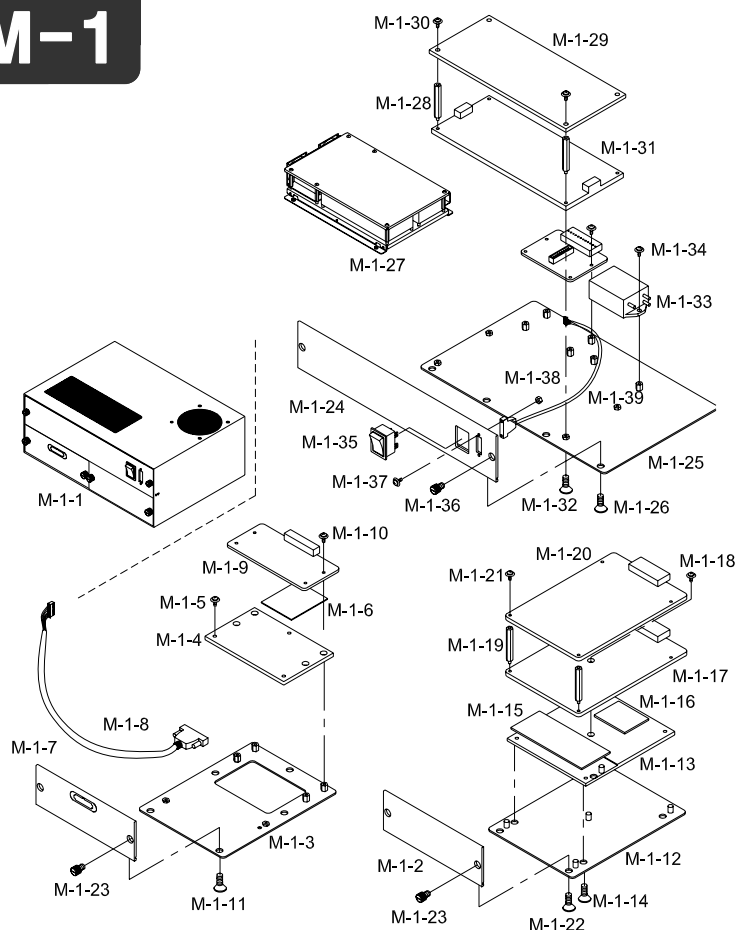
M-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-1-1	SWF-00000773	Control Box Ass'y				1	
M-1-2	GP-015660-00	Front Cover(A)	Feb,22,06 ~	X		1	
	GP-015660-01		Jul,03,06 ~	△			
	GP-015660-02		Sep,06,06 ~	△			
	GP-015660-03		Mar,07,07 ~	△			
M-1-3	GP-015650-00	Main Driver Board Bracket	Feb,22,06 ~	X		1	
	GP-015650-01		May,08,06 ~	△			
	GP-015650-02		Oct,19,06 ~	△			
	GP-015650-03		Dec,04,06 ~	△			
M-1-4	GP-015652-00	Main Driver Board Radiator	Feb,22,06 ~	X		1	
	GP-015652-01		Jun,19,06 ~	△			
	GP-015652-02		Oct,19,06 ~	△			
M-1-5	SC-000391-00	Screw for Main Driver Board Radiator (M4xL5)	Jul,18,05 ~	X	O	3	
M-1-6	GP-015654-00	Main Driver Board Radiator Sheet	Feb,22,06 ~	X		1	
M-1-7	GP-049490-00	Front Cover(C)	Apr,30,10 ~	X		1	
	GP-049490-01		May,18,10	△			
M-1-8	CA-005227-00	MAIN DRIVER CONTROL SIGNAL CABLE	May,15,10 ~	X		1	
	CA-005227-01		Jun,11,10 ~	△			
M-1-9	BD-000917-00	DDC Board	Apr,27,10 ~	X		1	
	BD-000917-01		Jun,09,10 ~	△			
M-1-10	10-028S-SC53	Screw Ass'y for DDC Board (M3xL7)			O	4	
M-1-11	06-001C-SE50	Screw for Main Driver Bracket (M4xL8)			O	2	
M-1-12	GP-015651-00	XY Driver Board Bracket	Feb,22,06 ~	X		1	
	GP-015651-01		May,01,06 ~	△			
	GP-015651-02		Oct,19,06 ~	△			
	GP-015651-03		Dec,04,06 ~	△			
M-1-13	GP-008106-00	XY Driver Board Radiator	Mar,21,05 ~	X		1	
M-1-14	SC-000391-00	Screw for XY Driver Board Radiator (M4xL5)	Jun,15,03 ~	X	O	4	
M-1-15	GP-009045-00	XY Driver Board Radiator Sheet	May,04,05 ~	X		1	
	GP-009045-01		Sep,06,06 ~	△			
M-1-16	GP-009032-00	XY DDC Radiator Sheet	May,03,05 ~	X		1	
M-1-17	BD-000198-00	XY Driver Board				1	
M-1-18	10-028S-SC53	Screw Ass'y XY Driver Board (M3xL7)			O	1	
M-1-19	10-006S-AT10	XY Driver Stud (3-5-20)				4	
M-1-20	BD-000197-00	I/O Board	Jul,16,05 ~	X		1	

M-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-1-20	BD-000197-01	I/O Board	Sep,13,05 ~	△		1	
	BD-000197-02		Oct,16,05 ~	△			
	BD-000197-03		Sep,09,07 ~	△			
	BD-000197-04		Jan,15,07 ~	△			
	BD-000197-05		Feb,14,07 ~	△			
	BD-000197-06		Mar,07,07 ~	△			
	BD-000197-07		Mar,21,007 ~	△			
	BD-000197-08		Apr,03,08 ~	△			
	BD-000197-09		Jul,02,08 ~	△			
	BD-000197-10		Sep,05,08 ~	△			
	BD-000197-11		Feb,03,09 ~	△			
M-1-21	10-028S-SC53	Screw Ass'y I/O Board (M3xL7)			O	4	
M-1-22	06-001C-SE50	Screw for XY Driver Bracket (M4xL8)			O	2	
M-1-23	SC-000406-00	Screw for Control Box Front Cover (A)	Aug,18,05 ~	X		4	
M-1-24	GP-049489-00	Control BoX Front Cover(C)	Apr,30,10 ~	X		1	
	GP-049489-01		May,18,10 ~	△			
M-1-25	GP-015649-00	SMPS Bracket	Feb,22,06 ~	X		1	
	GP-015649-01		Apr,13,06 ~	△			
	GP-015649-02		Aug,30,06 ~	△			
	GP-015649-03		Dec,04,06 ~	△			
M-1-26	SC-000391-00	Screw for SMPS Bracket (M4xL5)	Jul,18,05 ~	X	O	4	
M-1-27	EP-000029-00	SMPS	Jul,15,05 ~	X		1	
M-1-28	GP-010543-00	SMPS Cover Stud (3-5-50)	Jul,08,05 ~	X		4	
	GP-010543-01		Sep,24,05 ~	△			
M-1-29	GP-015653-00	SMPS Radiator	Feb,22,06 ~	X		1	
M-1-30	10-028S-SC53	Screw Ass'y SMPS Radiator (M3xL7)			O	4	
M-1-31	BD-000293-00	Unit SMPS Board	Nov,05,05 ~	X		1	
	BD-000293-01		Oct,12,06 ~	△			
	BD-000293-02		Nov,15,06 ~	△			
	BD-000293-03		Sep,19,08 ~	△			
M-1-32	10-028S-SC53	Screw Ass'y Unit Board (M3xL7)			O	4	
M-1-33	GP-007476-00	Noise Filter	Feb,04,05 ~	X		1	
M-1-34	10-028S-SC53	Screw for Noise Filter (M3xL7)			O	2	
M-1-35	EP-000032-00	MAIN POWER SWITCH	Jul,16,05 ~	X		1	
M-1-36	SC-000406-00	Screw for Control Box Front Cover (B)	Aug,18,05 ~	X		2	
M-1-37	10-074S-3701	Nut (m3)			O	2	
M-1-38	SC-000395-00	Screw (m3 X L10)			O	2	
M-1-39	CA-005227-00	Main Driver AC Power Cable	May,15,10 ~	X		1	
	CA-005227-01			△			

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M

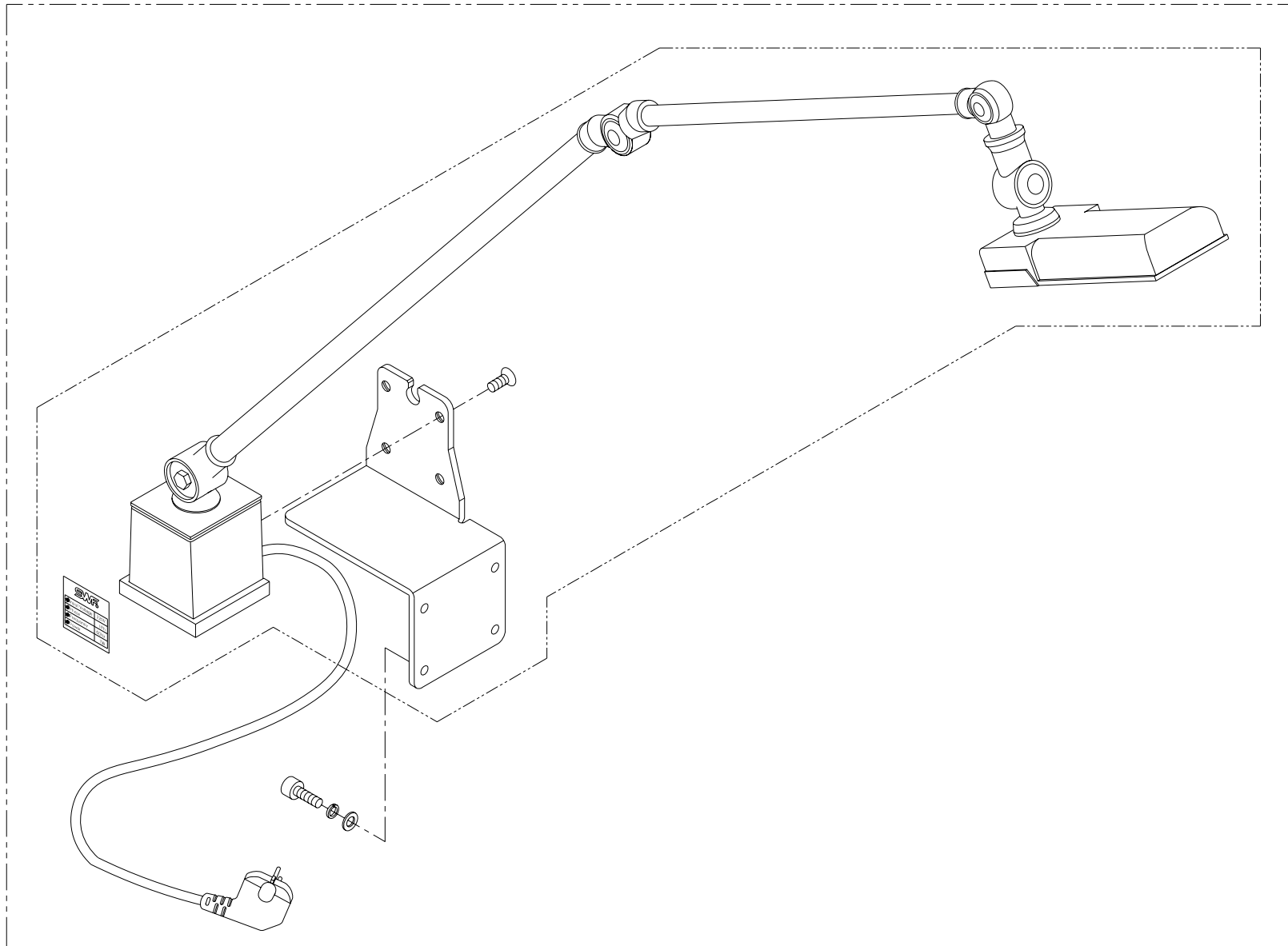
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M

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Lamp & Switch

N-1

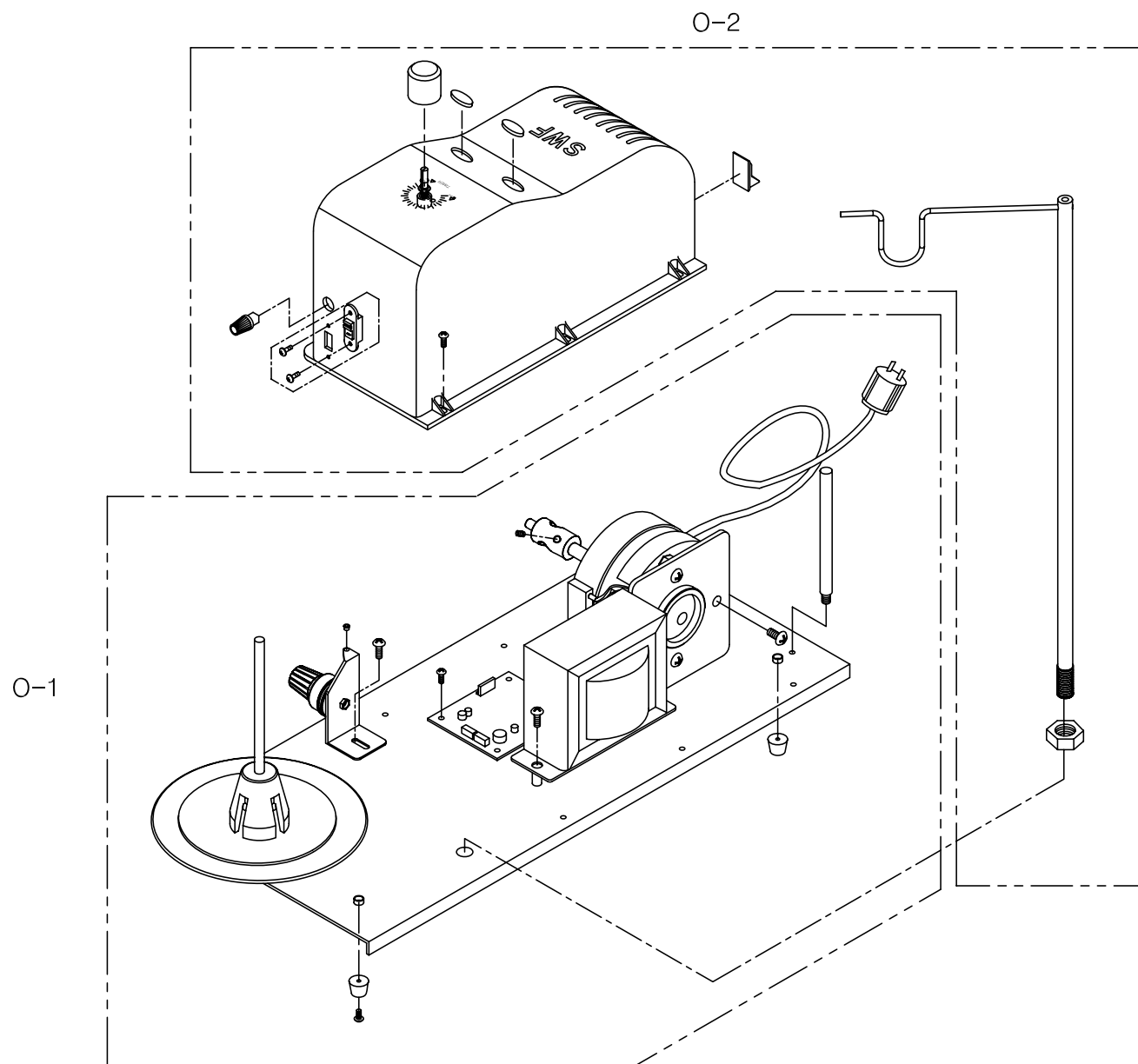


Option



N

Bobbin Winder



O-1

This diagram illustrates the assembly of a mechanical device, likely a pump or motor component, showing the relationship between various parts. The components are labeled as follows:

- O-1-1**: The main base plate or housing.
- O-1-2**: A vertical shaft or rod.
- O-1-3**: A circular flange or disc.
- O-1-4**: A small circular component, possibly a seal or gasket.
- O-1-5**: A small cylindrical component.
- O-1-6**: A rectangular component, possibly a motor or actuator.
- O-1-7**: A small screw or fastener.
- O-1-8**: A small rectangular component, possibly a switch or sensor.
- O-1-9**: A small screw or fastener.
- O-1-10**: A small rectangular component, possibly a switch or sensor.
- O-1-11**: A small cylindrical component.
- O-1-12**: A small screw or fastener.
- O-1-13**: A curved component, possibly a hose or cable.
- O-1-14**: A small screw or fastener.
- O-1-15**: A small cylindrical component.
- O-1-16**: A small screw or fastener.
- O-1-17**: A long vertical rod or shaft.
- O-1-18**: A small cylindrical component.
- O-1-19**: A small screw or fastener.

The diagram shows the assembly of these components onto the main base plate (O-1-1). The components are arranged in a way that suggests a functional relationship, with the main base plate (O-1-1) serving as the foundation for the other parts.

O-1,O-2 : 12210000T000 (Bobbin Winder Assy)

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O-2

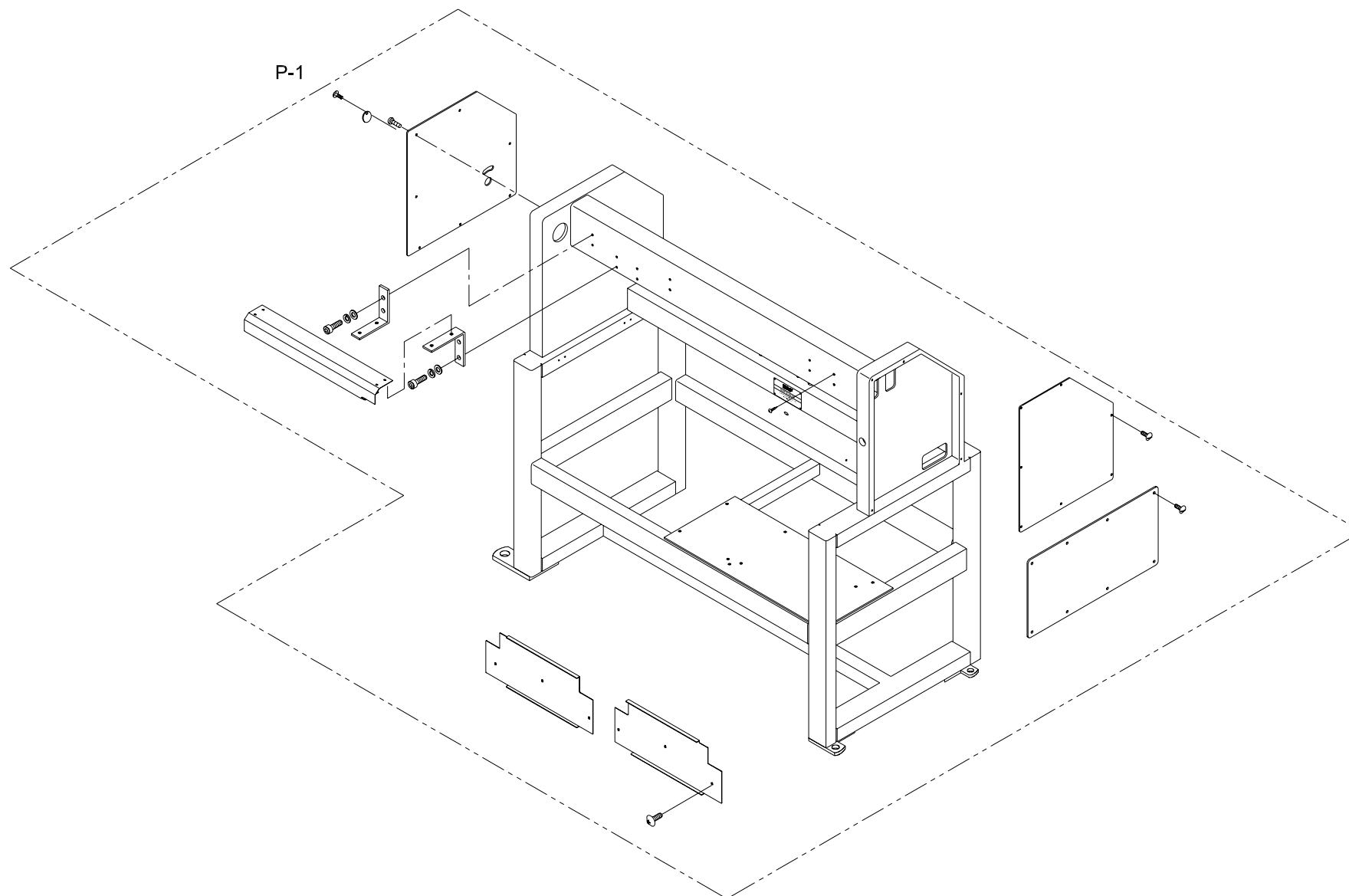
The diagram illustrates the assembly of the O-2 unit. Key components and their assembly points are labeled as follows:

- O-2-1**: A long metal support bar with mounting brackets at each end, positioned along the bottom of the unit.
- O-2-2**: A screw used to secure the support bar to the bottom of the unit.
- O-2-3**: A vertical metal rod with a hex nut at the bottom, attached to the right side of the unit.
- O-2-4**: A small cylindrical component, likely a filter or cap, located near the front-left corner.
- O-2-5**: A small screw or pin used for internal assembly near the front-left corner.
- O-2-6**: A screw used to secure the front panel of the unit.
- O-2-7**: A cylindrical component, likely a filter or cap, located on the top of the unit.
- O-2-8**: A small circular component, likely a gasket or seal, located on the top of the unit.
- O-2-9**: A small circular component, likely a gasket or seal, located on the top of the unit.
- O-2-10**: A U-shaped metal component, likely a bracket or support, located on the top of the unit.
- O-2-11**: A vertical metal rod with a hex nut at the bottom, attached to the right side of the unit.

O-1,O-2 : 12210000T000 (Bobbin Winder Assy)

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Cover

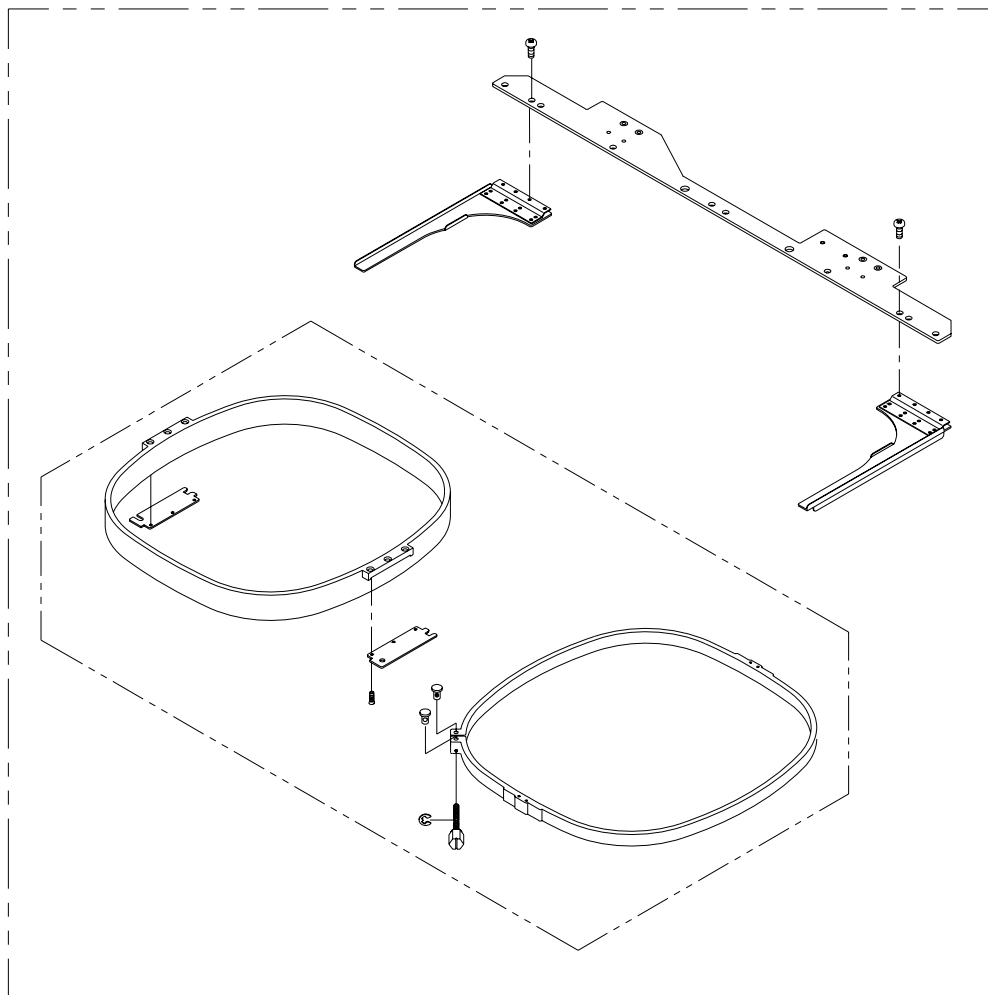


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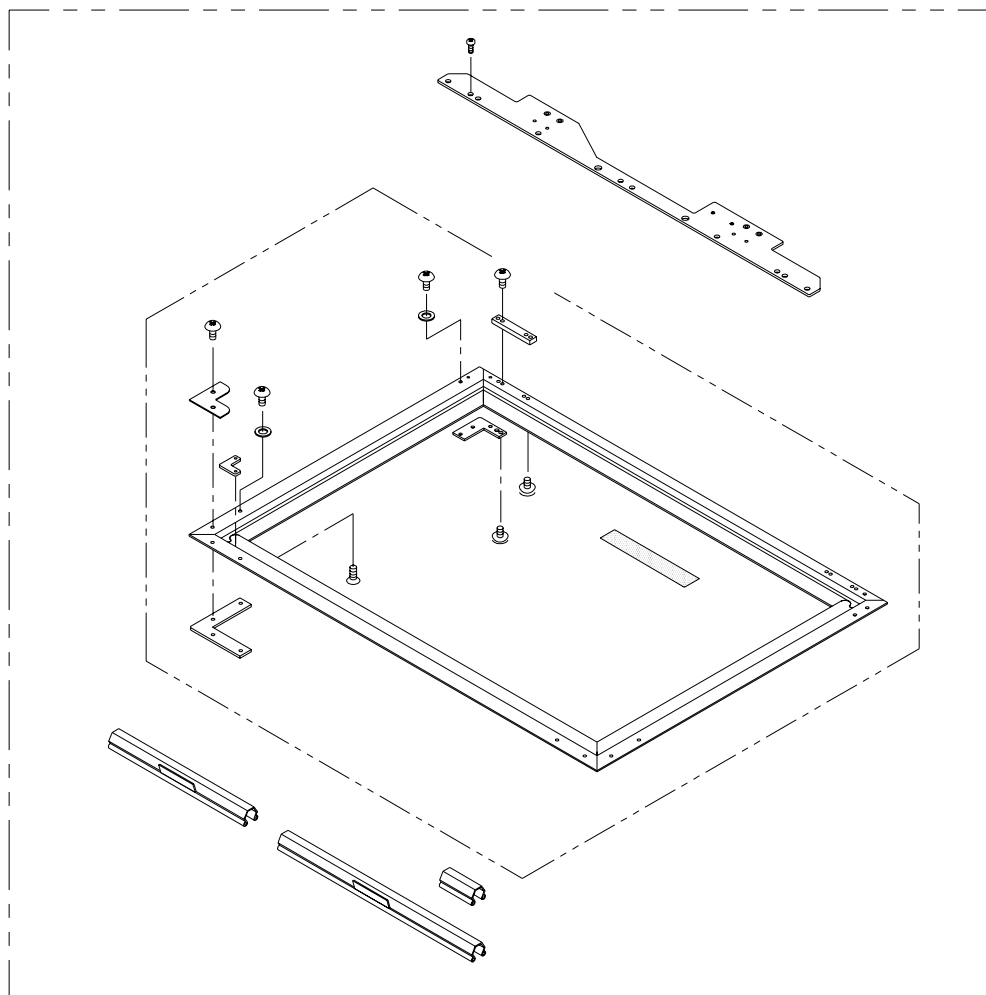
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Frame

Q-1



Q-2



Q-1

This exploded view diagram illustrates the assembly of the Q-1 unit. The main components are shown in an exploded perspective:

- Q-1-1**: A long, thin metal plate with multiple mounting holes.
- Q-1-2**: A bracket or support piece with a curved end.
- Q-1-3**: A small screw or fastener used to secure Q-1-1 and Q-1-2.
- Q-1-4**: A rectangular base plate with mounting holes.
- Q-1-5**: A large, oval-shaped frame or housing.
- Q-1-6**: A small rectangular component, possibly a sensor or actuator, mounted on the inner surface of Q-1-5.
- Q-1-7**: A small rectangular plate with mounting holes.
- Q-1-8**: A small screw or fastener used to secure Q-1-7.
- Q-1-9**: A large, oval-shaped frame or housing, similar to Q-1-5 but with a different internal structure.
- Q-1-10**: A small screw or fastener used to secure Q-1-9.
- Q-1-11**: A small screw or fastener used to secure Q-1-9.
- Q-1-12**: A small screw or fastener used to secure Q-1-9.
- Q-1-13**: A small screw or fastener used to secure Q-1-9.

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

Note

Q

Q-2

This diagram illustrates the exploded view of the Q-2 assembly. The main rectangular frame is composed of four primary rails: Q-2-3 (top), Q-2-4 (bottom), Q-2-5 (left), and Q-2-6 (right). A central panel, Q-2-19, is positioned within the frame. A large L-shaped bracket, Q-2-1, is shown at the top right, designed to be mounted onto the frame using screws Q-2-9 and Q-2-10. Various other components, including corner brackets (Q-2-8, Q-2-11, Q-2-13), side rails (Q-2-7, Q-2-20, Q-2-21, Q-2-22), and fasteners (Q-2-12, Q-2-14, Q-2-16, Q-2-17, Q-2-18), are shown in their respective positions relative to the main assembly. Dashed lines indicate the alignment and intended placement of each part.

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GP-049484-00	Motor Driver Box Top Cover	70	M-4-2
GP-049484-01	Motor Driver Box Top Cover	70	M-4-2
GP-049485-00	Motor Driver Box Front Cover	70	M-4-4
GP-049485-01	Motor Driver Box Front Cover	70	M-4-4
GP-049486-00	Motor Driver Box Rear Cover	70	M-4-6
GP-049486-01	Motor Driver Box Rear Cover	70	M-4-6
GP-049489-00	Control BoX Front Cover(C)	67	M-1-24
GP-049489-01	Control BoX Front Cover(C)	67	M-1-24
GP-049490-00	Front Cover(C)	66	M-1-7
GP-049490-01	Front Cover(C)	66	M-1-7
GP-054029-00	Spool Post	57	J-1-10
HG-000001-00	Hook Cover Hinge	55	I-4-32
LNB-CW000300	Needle Bar Reciprocator	16	B-3-5
LNB-KA000100	Needle Bar	34	F-1-8
LNB-KA000101	Needle Bar	34	F-1-8
MO-000012-00	Color Change Motor	36	F-3-5
MO-000029-00	Motor Ass'y	74	O-1-13
PL-000059-00	Main Shaft Motor Pulley	29	E-1-14
PN-000189-00	TAKE-UP LEVER PIN	14	B-1-16
PN-000232-00	Jump Clutch Pin	21	C-2-18
PN-000232-01	Jump Clutch Pin	21	C-2-18
RI-000057-00	E-Ring	30	E-2-21
RI-000057-00	C-Ring	31	E-3-5
RI-000057-00	E-Ring	32	E-4-13
SC-000173-00	Set Screw (M5*L4)	74	O-1-16

[illegible][illegible]