

PARTS BOOK

Multi-Head SA-Series

SA-WD920-75

PME-130627

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.

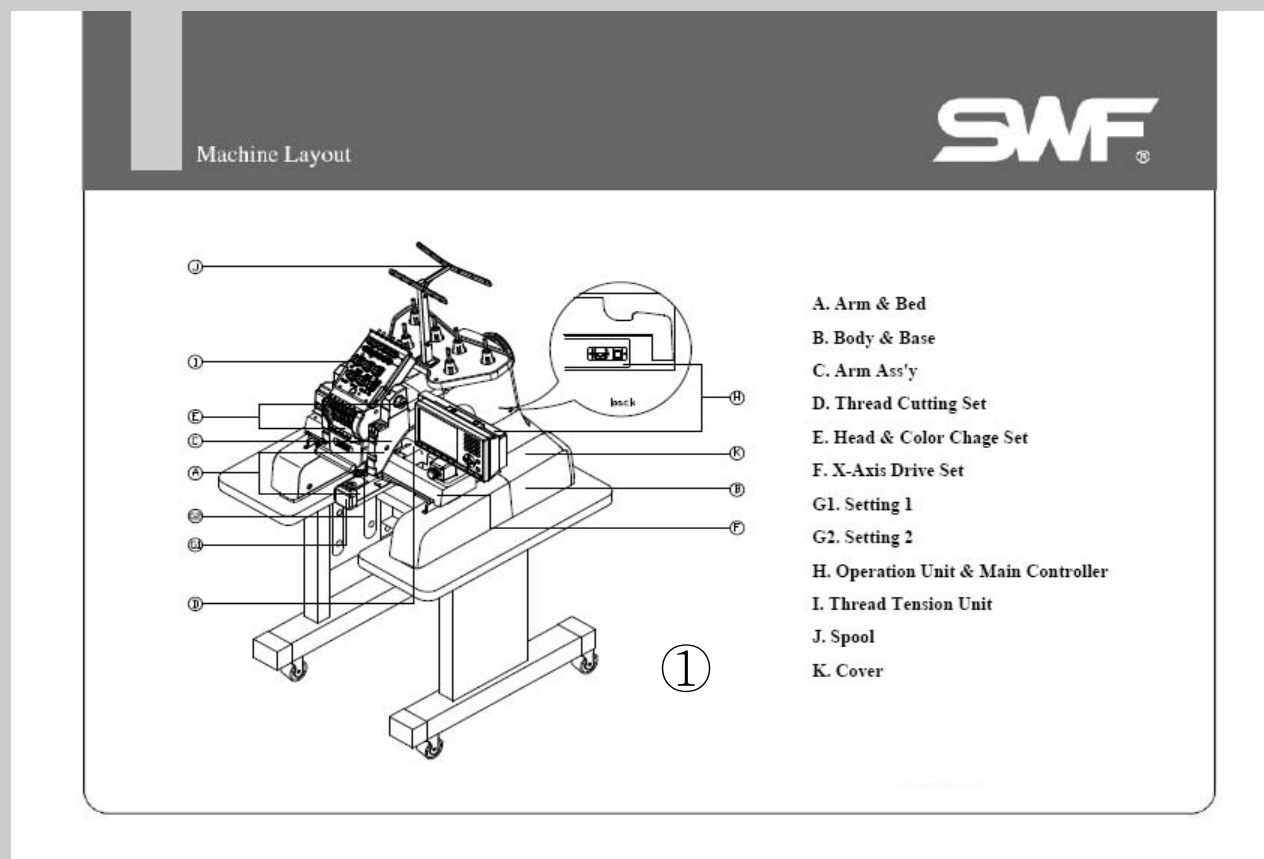
- 1) Machine Layout
- 2) Section
- 3) Part List

※Consumable parts shall not be guaranteed even in warranty period

Information

A. Structure of Part Book

1. Machine Layout

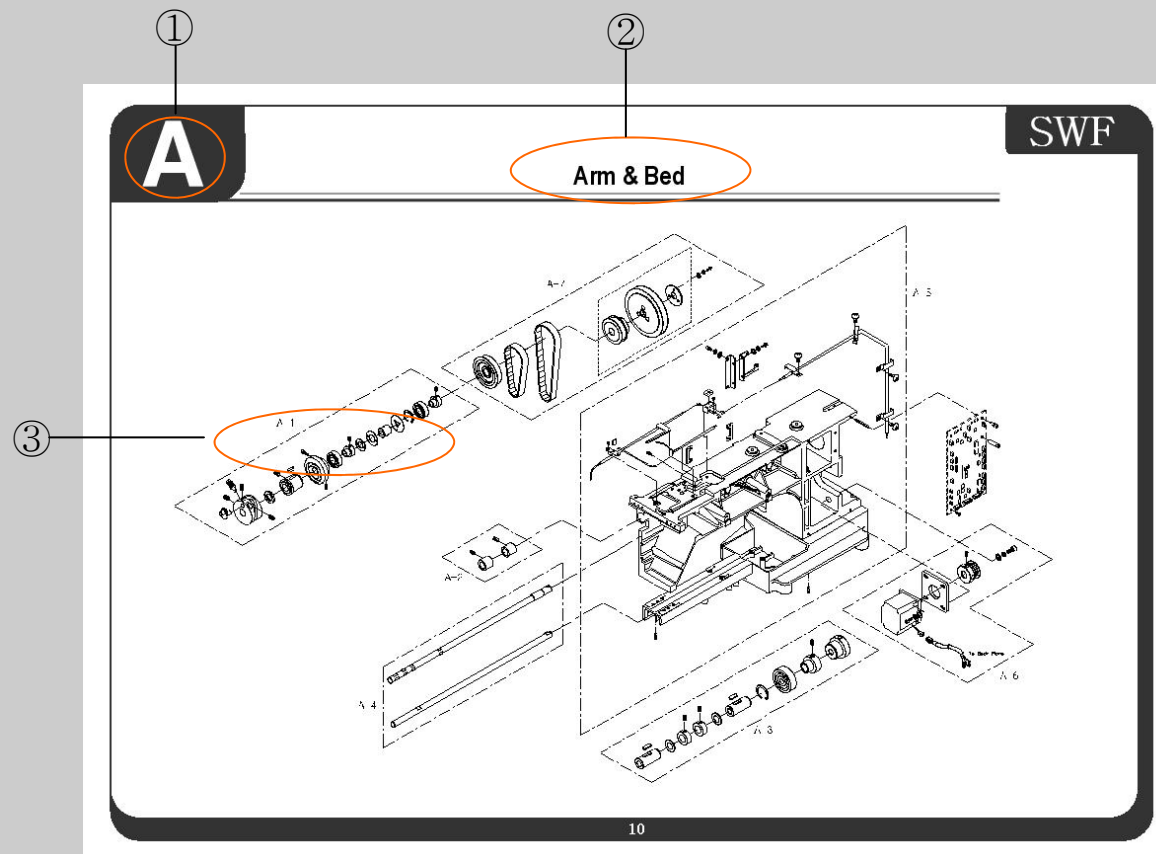


Information

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	④	⑤	⑥	⑦	⑧	⑨	⑩
Ref No	Part No	Part Name	Applied Period	Interchangeability	Hardware	Qty	Remark
A-1-1	0101SCM-T900	Thru-up Lever Driving Cam	Oct-08-07			1	
A-1-2	0101SCM-T900	Thru-up Lever Driving Cam	Oct-08-07	X		1	
A-1-3	0101SCM-T121	Cam Screw (8/32x20L=17)				1	
A-1-4	0101SCM-T121	Screw (8/32x20L=17)			O	1	
A-1-5	0101SCM-T121	Hex. Socket Set Screw (1/4" 20x40 L=4.5)				1	
A-1-6	0102PBR-A001	Washer				2	
A-1-7	0102PBR-A001	Washer				1	
A-1-8	0102PBR-T900	Needle Bar Crank				1	
A-1-9	0101SCM-T121	Upper Shaft Pinhook (P)				1	
A-1-10	0101SCM-T121	Screw (1/2x5/8-28, L=1.4)			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 (1/2x5/8-28)			O	3	
A-1-14	0101SCM-T121	Screw (M4xL20)			O	1	
A-1-15	0102PBR-A001	Washer (600422)				1	
A-1-16	0102PBR-A001	Washer Collar				2	
A-1-17	0401ZAP-A001	Screw (1/2x5/8-28)			O	3	
A-1-18	WS-0001BR-00	Washer				1	
A-1-19	CL-000097-00	Code Wheel				1	
A-1-20	CL-000097-00	Collar				1	
A-1-21	0101SCM-T121	Residual Piece				1	
A-1-22	0101SCM-T121	C-Roller (P477)			O	1	
A-1-23	0101SCM-T121	Washer (600422)				1	

Note) * : Checks the timing of application.

① Index Number
Ex) A-1, A-2...

② Parts View

Information

A. Structure of Part Book

③ Ref. No

④ Part No

Ex)

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

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

⑥ Applied Period

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

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

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

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

Information

A. Structure of Part Book

⑦ Interchangeability

O : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 가능

: It is interchangeable between old and new part.

X : 구 부품을 신 부품으로 교환 불가능

신 부품을 구 부품으로 교환 불가능

: It is not interchangeable between old and new part.

△ : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 불가능

: It is interchangeable by new part only.

⑧ Hardware : 시중에서 구매 할 수 있는 부품

: Parts that can be purchased in the market

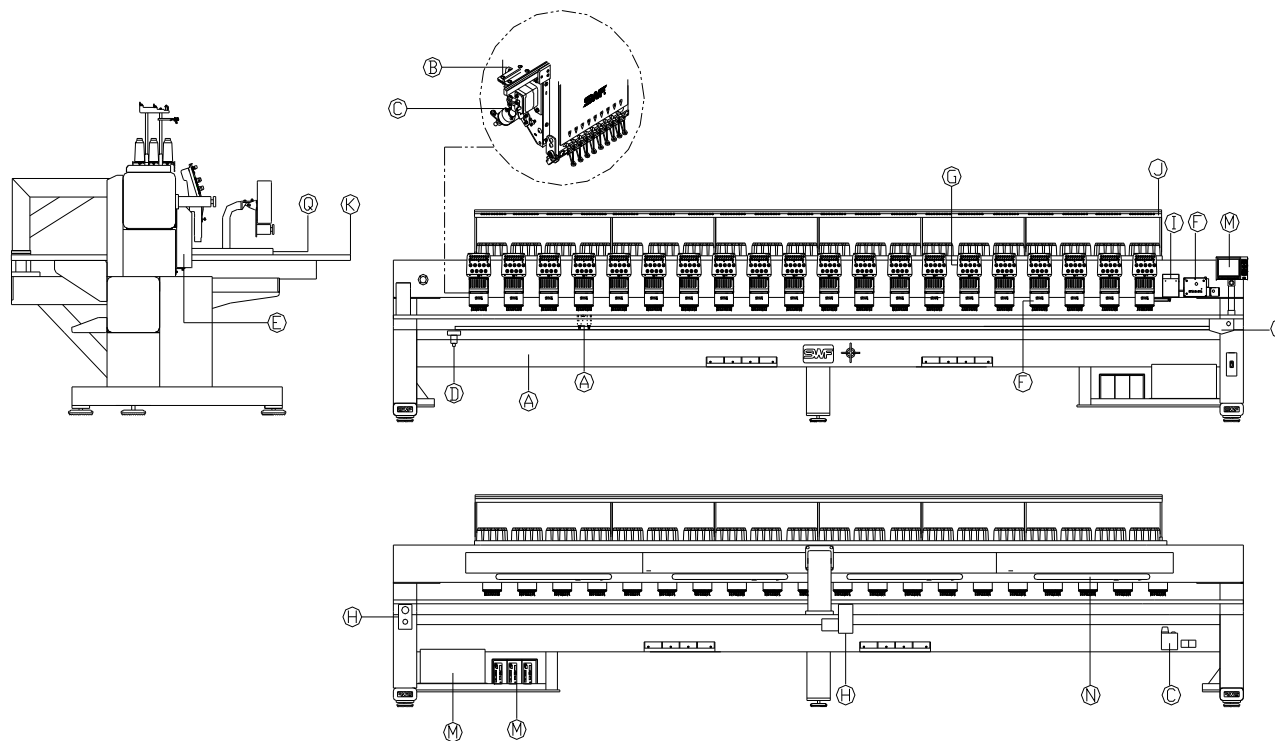
⑨ Q'ty : 사용 파트의 수량을 표기

: Quantity of part

⑩ Remark

⑪ Index Number

Machine Layout



A. Machine Body Ass'y

B. Arm 1

C. Arm 2

D. Thread Cutting Drive System

E. Main Drive System

F. Head & Color Change System

G. Thread Tension Unit

H. X-Y Axis Drive System

I. Setting

J. Thread Stand

K. Work Table

L. Cable

M. Con Box & OP Box

N. Lamp & Switch

O. Bobbin Winder

P. Cover

Q. Frame

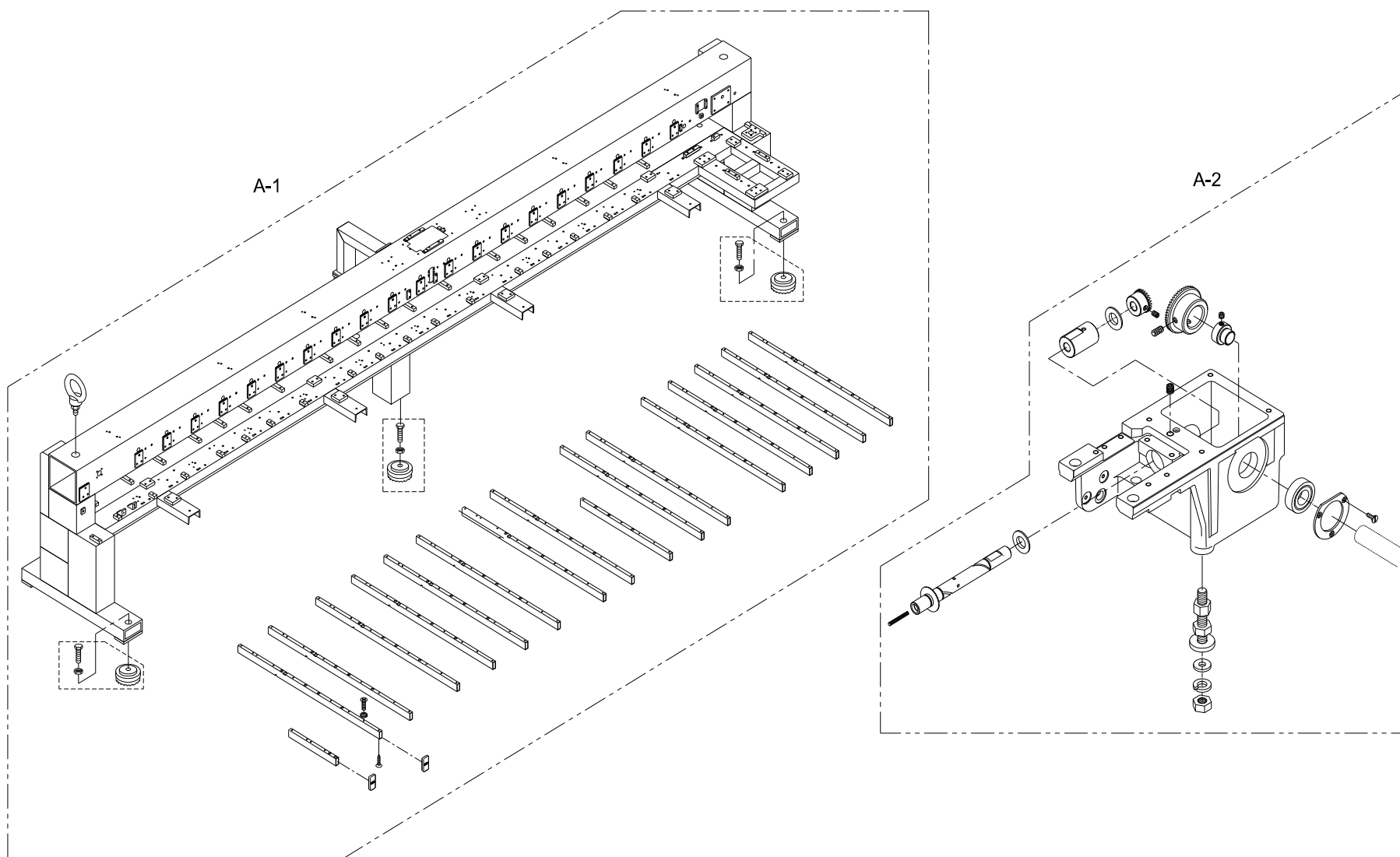


CONTENT

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I	Setting	62

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K	Table	71
L	Cable	74
M	Con Box & O/P Box	78
N	Lamp & Switch	85
O	Bobbin Winder	89
P	Cover	92
Q	Frame	95
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Beam Body & Bed



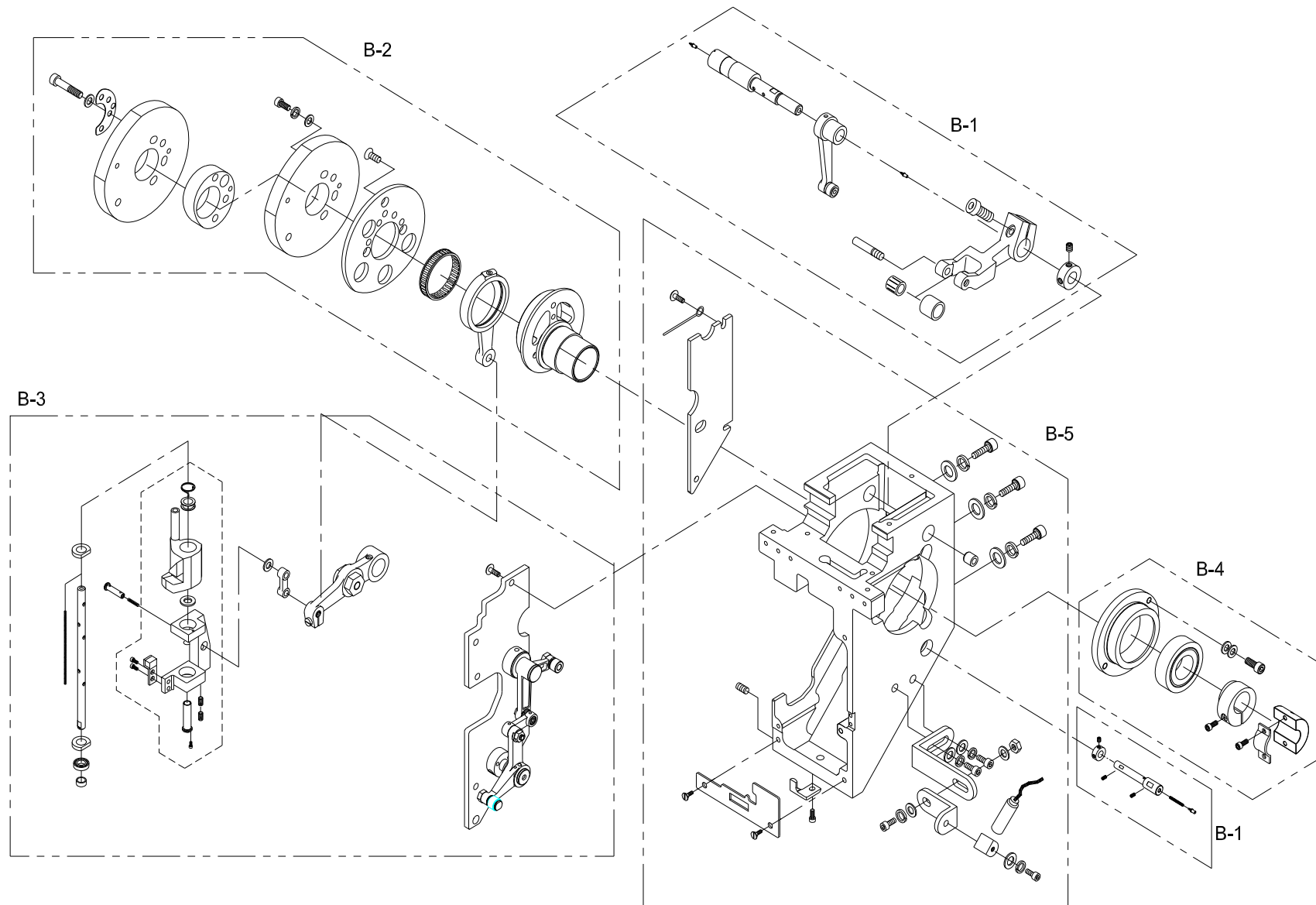
A

[illegible]

A

[illegible]

Arm 1



B14

Note

B

B-3

Exploded view diagram of the B-3 engine assembly, showing various components and their assembly sequence. The diagram includes the following parts and labels:

- B-3-1**: Main engine block/cylinder assembly.
- B-3-2**: Piston and connecting rod assembly.
- B-3-3**: Piston pin.
- B-3-4**: Piston pin clip.
- B-3-5**: Piston pin clip.
- B-3-6**: Piston pin clip.
- B-3-7**: Piston pin clip.
- B-3-8**: Piston pin clip.
- B-3-9**: Piston pin clip.
- B-3-10**: Piston pin clip.
- B-3-11**: Piston pin clip.
- B-3-12**: Piston pin clip.
- B-3-13**: Piston pin clip.
- B-3-14**: Piston pin clip.
- B-3-15**: Piston pin clip.
- B-3-16**: Piston pin clip.
- B-3-17**: Piston pin clip.
- B-3-18**: Piston pin clip.
- B-3-19**: Piston pin clip.
- B-3-20**: Piston pin clip.
- B-3-21**: Piston pin clip.
- B-3-22**: Piston pin clip.
- B-3-23**: Piston pin clip.
- B-3-24**: Piston pin clip.
- B-3-25**: Piston pin clip.

Note

B

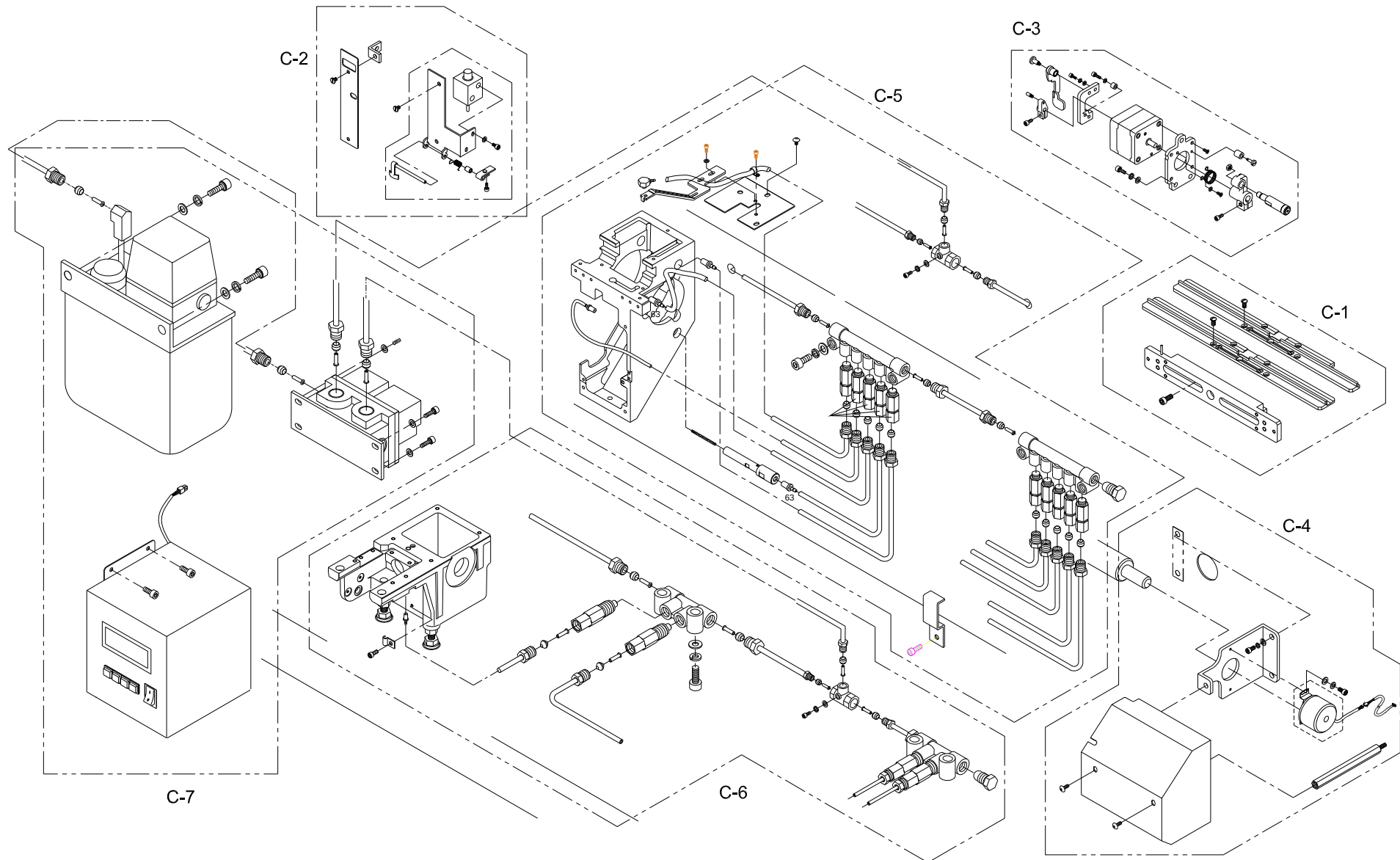
Note

B

B

18

Arm 2



This exploded view diagram illustrates the assembly of the C-1 component. The main housing is shown in dashed lines. The assembly includes the following parts and their assembly sequence:

- C-1-1**: The main housing, shown in dashed lines.
- C-1-2**: A screw used to secure the front plate.
- C-1-3**: The front plate, which is inserted into the housing.
- C-1-4**: A long, thin component that fits into the housing.
- C-1-5**: A screw used to secure the long component.
- C-1-6**: A small plate that fits into the housing.
- C-1-7**: A screw used to secure the small plate.

Note

[illegible]

C-2

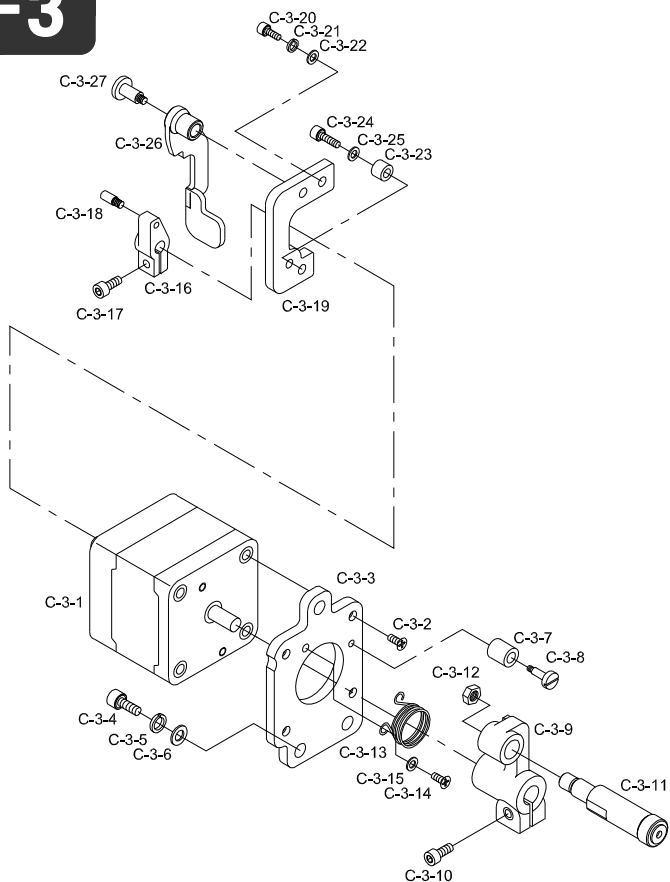
The diagram illustrates the assembly of the C-2 unit. The components and their assembly sequence are as follows:

- C-2-1**: The main vertical panel, which is the first component to be installed.
- C-2-2**: A small rectangular component that is attached to the top of the main panel (C-2-1).
- C-2-3**: A screw used to secure the top of the main panel (C-2-1).
- C-2-4**: A dashed box indicating the sub-assembly of components C-2-5 through C-2-14.
- C-2-5**: A vertical panel that is attached to the main panel (C-2-1) using screw **C-2-14**.
- C-2-6**: A horizontal panel that is attached to the bottom of the main panel (C-2-1) using screw **C-2-13**.
- C-2-7**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-12**.
- C-2-8**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-10**.
- C-2-9**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-11**.
- C-2-10**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-14**.
- C-2-11**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-13**.
- C-2-12**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-12**.
- C-2-13**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-10**.
- C-2-14**: A small component that is attached to the bottom of the main panel (C-2-1) using screw **C-2-11**.

Note



C-3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C-3-1	03410200H000	Jump Motor				20	
C-3-2	02002SC-7119	Plus Screw (M4*L8)			○	80	
C-3-3	03410100I000	Jump Motor Base				20	
C-3-4	07016SC-7113	Hex.Scoket Bolt (M4*L10)			○	40	
C-3-5	18014SW-3115	Spring Washer (@4)			○	40	
C-3-6	06003SW-2111	Washer (@4)			○	40	
C-3-7	03410300H000	Jump Crank Stopper				40	
C-3-8	03411400H000	Stud for Jump Crank Stopper				20	
C-3-9	GP-008769-00	Jump Driving Crank	Apr.22.05	X		20	
	GP-008769-01	Jump Driving Crank	Jun.07.05	△		20	
C-3-10	05028SC-4113	HOLDER SCREW (9/64-L8)				20	
C-3-11	03411810I000	Jump Crank Roller Ass'y				20	
C-3-12	03031SN-A001	Pin. Nut (11/64,N=40)				20	
C-3-13	03410800I000	Jump Return Spring				20	
C-3-14	08006SC-8118	Plus Screw (M3*L5)			○	20	
C-3-15	06011SW-2111	Washer (@3)			○	20	
C-3-16	03410900H000	Jump Driving Clutch				20	
C-3-17	02023SC-7113	Hex. Socket Bolt (M4*L8)			○	20	
C-3-18	03411000H000	Jump Clutch Pin				20	
C-3-19	03411100I000	Jump Clutch Base				20	
C-3-20	22006SC-7113	Hex.Scoket Bolt (M3*L8)			○	20	
C-3-21	11019SW-9115	Spring Washer (3@)			○	20	
C-3-22	06011SW-2111	Washer (@3)			○	20	
C-3-23	03304900H000	Jump Clutch Lever Stopper				20	
C-3-24	04010MC-7113	Hex.Scoket Bolt (M4*L10)			○	20	
C-3-25	06011SW-2111	Washer (@3)			○	20	
C-3-26	03411200I000	Jump Driving Clutch Lever				20	
C-3-27	03411300H000	Stud for Jump Clutch Lever				20	
C-3-28	AS-000861-00	Jumping Assy	Aug,16,04 ~	X		20	
	AS-000861-01		Apr,22,08 ~	△			
	AS-000861-02		Jun,01,09 ~	△			
	AS-000861-03		Jun,01,09 ~	△			
	AS-000861-04		Jun,01,09 ~	△			

C-4

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

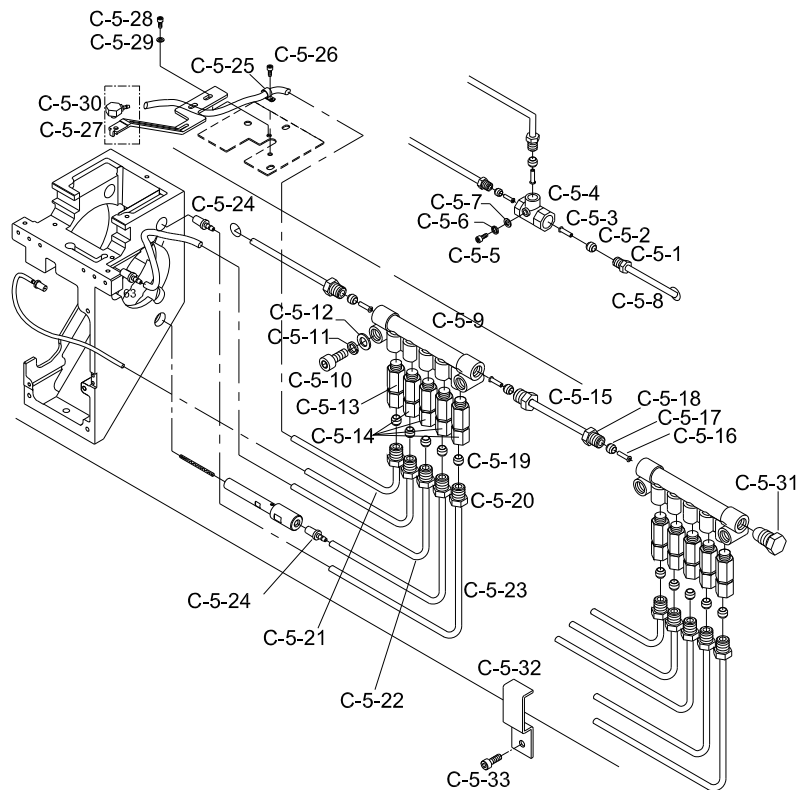
- C-4-1**: A cylindrical component, likely a motor or actuator, shown with its mounting bracket.
- C-4-2**: A small screw or fastener used to secure the bracket of C-4-1.
- C-4-3**: A small screw or fastener used to secure the bracket of C-4-1.
- C-4-4**: A small screw or fastener used to secure the bracket of C-4-1.
- C-4-5**: A mounting bracket or plate that houses the C-4-1 assembly.
- C-4-6**: A screw or fastener used to secure the C-4-5 bracket.
- C-4-7**: A screw or fastener used to secure the C-4-5 bracket.
- C-4-8**: A screw or fastener used to secure the C-4-5 bracket.
- C-4-9**: The main rectangular housing or enclosure for the unit.
- C-4-10**: A long, thin cylindrical component, possibly a light tube or sensor, shown with its mounting bracket.
- C-4-11**: Two screws or fasteners used to secure the C-4-10 component into the C-4-9 housing.
- C-4-12**: A cable or wire with a connector, shown attached to the C-4-1 assembly.

The diagram shows the assembly sequence from the main housing (C-4-9) to the internal components (C-4-1, C-4-5, C-4-6, C-4-7, C-4-8) and the external components (C-4-10, C-4-11, C-4-12).

Note

[illegible]

C-5



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C-5-1	01300300H000	Oil Pump Hose Insert				2	
C-5-2	01300400H000	Oil Pump Compression Sleeve				2	
C-5-3	01300500H000	Oil Pump Compression Bushing				2	
C-5-4	01303900H000	Distribution Junction				1	
C-5-5	16028SC-7113	Hex. Socket Bolt (M5*L25)			○	1	
C-5-6	18048SW-3115	Spring Washer (@5)			○	1	
C-5-7	16018SW-1111	Washer (@5)			○	1	
C-5-8	01303800H000	Oil Hose @4				2	
C-5-9	01302700U000	Mos Metering Valve Junction(PVS-4S)				20	
C-5-10	16028SC-7113	Hex. Socket Bolt (M5*L25)			○	40	
C-5-11	18048SW-3115	Spring Washer (@5)			○	40	
C-5-12	16018SW-1111	Washer (@5)			○	40	
C-5-13	01300900H000	Mos Metering Valve(MOS-5)				20	
C-5-14	01302000H000	Mos Metering Valve (Mos-1)				80	
C-5-15	01302800HD00	Mos Valve Junction Hose @4				18	
C-5-16	01300300H000	Oil Pump Hose Insert				35	
C-5-17	01300400H000	Oil Pump Compression Sleeve				35	
C-5-18	01300500H000	Oil Pump Compression Bushing				35	
C-5-19	01301300H000	Arm Oil Compression Sleeve				100	
C-5-20	01301400H000	Arm Oil Compression Bushing				100	
C-5-21	01302900H000	Needle Bar Supply Hose				20	
C-5-22	01303300H000	Needle Bar Driving Shaft Hose				20	
C-5-23	01303200H000	Take-Up Lever Oil Supply Hose				20	
C-5-24	01301600H000	Oil Supply Nipple				40	
C-5-25	01303600H000	Needle Bar Oil Hose Holder				20	
C-5-26	05007SC-7113	Hex. Socket Bolt (M3*L5)				20	
C-5-27	GP-016884-00	Head Oil Hose Guide	Apr.04.06	X		20	
C-5-28	05007SC-7113	Hex. Socket Bolt (M3*L5)			○	40	
C-5-29	06011SW-2111	Washer (@3)			○	40	
C-5-30	01303110H000	Head Oil Hose Nipple				20	
C-5-31	01301900H000	Close Plug (M8*1.0)				2	
C-5-32	18033PR-UK01	Arm Oil Supply Hose Holder				20	
C-5-33	02023SC-7113	Hex. Socket Bolt (M4*L8)			○	20	

Exploded view diagram of the C-6-22 assembly. The diagram shows the main housing (C-6-22) and various components labeled C-6-1 through C-6-26. The components are arranged in an exploded view, showing their relative positions and assembly sequence. Key components include:

- C-6-1: A small cylindrical component at the bottom right.
- C-6-2: A small cylindrical component above C-6-1.
- C-6-3: A small cylindrical component above C-6-2.
- C-6-4: A small cylindrical component above C-6-3.
- C-6-5: A small cylindrical component at the bottom left.
- C-6-6: A small cylindrical component above C-6-5.
- C-6-7: A small cylindrical component above C-6-6.
- C-6-8: A small cylindrical component above C-6-7.
- C-6-9: A small cylindrical component above C-6-8.
- C-6-10: A small cylindrical component above C-6-9.
- C-6-11: A small cylindrical component above C-6-10.
- C-6-12: A small cylindrical component above C-6-11.
- C-6-13: A small cylindrical component above C-6-12.
- C-6-14: A small cylindrical component above C-6-13.
- C-6-15: A small cylindrical component above C-6-14.
- C-6-16: A small cylindrical component above C-6-15.
- C-6-17: A small cylindrical component above C-6-16.
- C-6-18: A small cylindrical component above C-6-17.
- C-6-19: A small cylindrical component above C-6-18.
- C-6-20: A small cylindrical component above C-6-19.
- C-6-21: A small cylindrical component above C-6-20.
- C-6-22: The main housing at the top left.
- C-6-23: A small cylindrical component above C-6-22.
- C-6-24: A small cylindrical component above C-6-23.
- C-6-25: A small cylindrical component above C-6-24.
- C-6-26: A small cylindrical component at the bottom right, near C-6-1.

Note

[illegible]

C

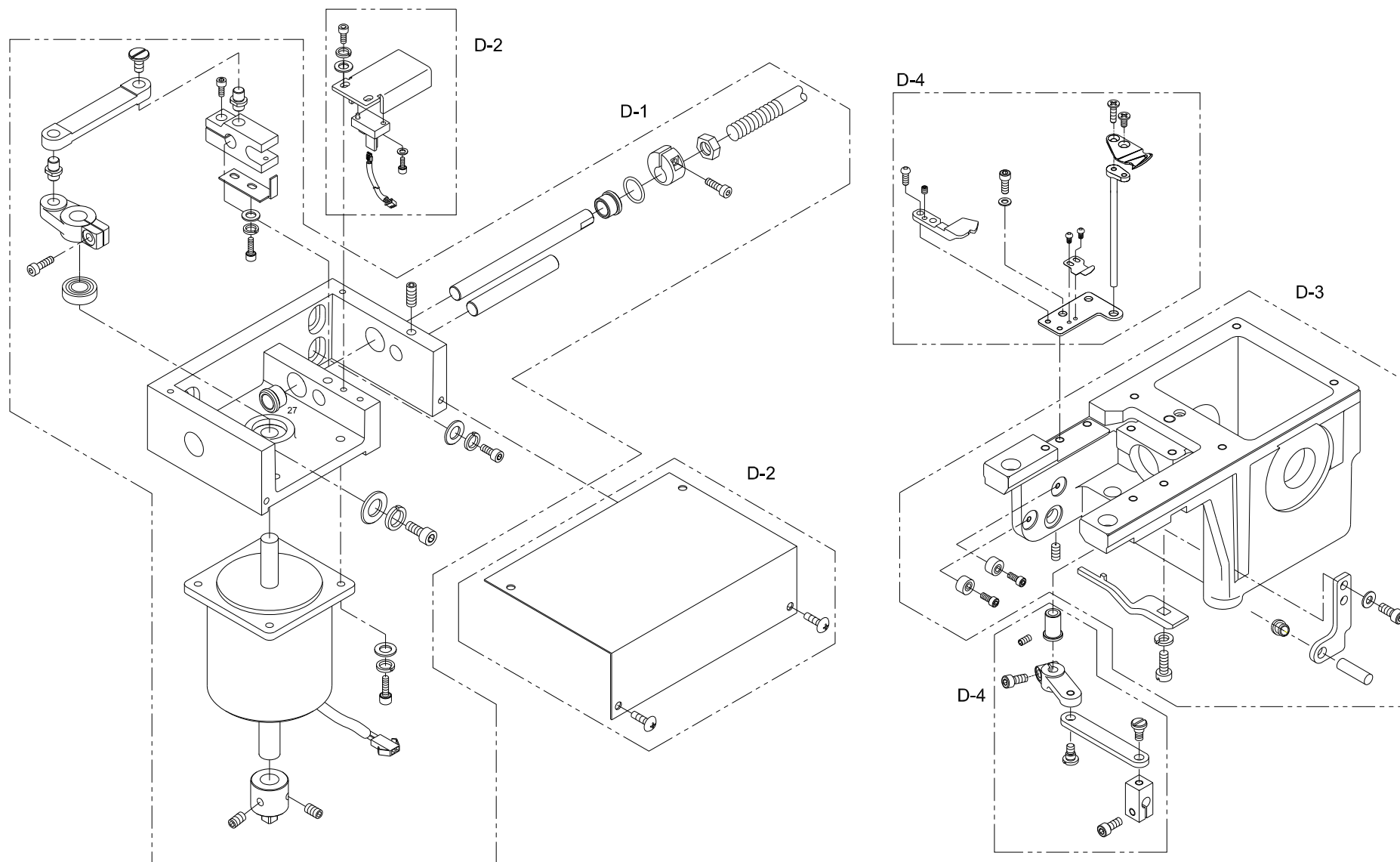
This diagram illustrates the assembly of the C-7 control unit. The main components shown are:

- C-7-1**: The base control unit with a digital display and control buttons.
- C-7-3**: A vertical mounting bracket that fits onto the top of the base unit.
- C-7-11**: A horizontal mounting plate that is bolted to the side of the base unit.
- C-7-12**: A vertical rod passing through the mounting plate and bracket.
- C-7-13**: A cap or seal at the top of the vertical rod.
- C-7-14**: Two small screws used to secure the mounting plate.
- C-7-15**: A larger screw used to secure the mounting plate.
- C-7-2**: Two screws used to secure the top of the base unit.
- C-7-4**: A screw used to secure the top of the mounting bracket.
- C-7-5**: A screw used to secure the top of the mounting bracket.
- C-7-6**: A screw used to secure the top of the mounting bracket.
- C-7-7**: A screw used to secure the top of the mounting bracket.
- C-7-8**: A screw used to secure the top of the mounting bracket.
- C-7-9**: A screw used to secure the top of the mounting bracket.
- C-7-10**: A screw used to secure the top of the mounting bracket.

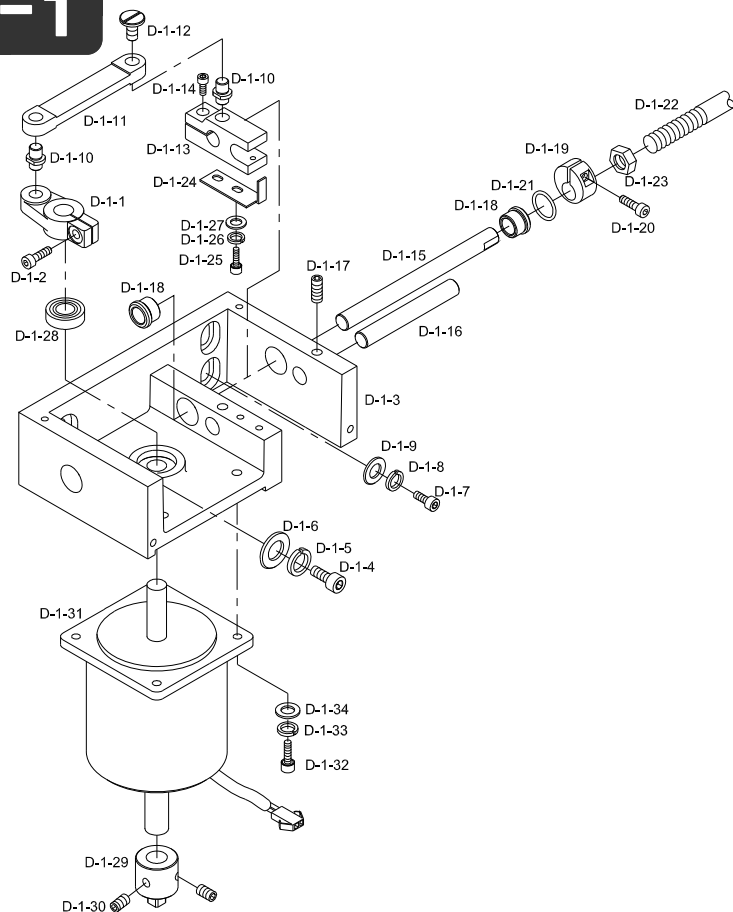
Note



Thread Cutting Set



D-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
D-1-1	03700200H000	MES DRIVING CRANK				1	
D-1-2	14002SC-7113	HEX.SOCKET BOLT (M6*L15)			○	1	
D-1-3	GP-015257-00	Mes Cam Driving Box	Feb.15.06	X		1	
D-1-4	14003SC-4113	Hex. Socket Bolt (M8*L25)			○	1	
D-1-5	04029SW-A001	Spring Washer (@8)			○	1	
D-1-6	15095SW-3115	Stud Bolt Washer(S) (@8)			○	1	
D-1-7	06025MC-7113	Hex.Socket Bolt(M6*L25)			○	2	
D-1-8	03025SW-1211	Spring Washer (@6)			○	2	
D-1-9	03026SW-9115	Washer (@6)			○	2	
D-1-10	PN-000726-00	Mes Link Pin	Jan,13,09 ~	X		2	
D-1-11	03700400H000	Mes Driving Link				1	
D-1-12	03700500H000	Mes Driving Link Screw				1	
D-1-13	03700600H000	Mes Shaft Driving Clamp				1	
D-1-14	08062SC-7113	Hex. Socket Bolt (M5*L20)			○	1	
D-1-15	03700700H000	Mes Driving Shaft				1	
D-1-16	03700800H000	Mes Driving Shaft Guide				1	
D-1-17	14060AF-4517	Hex.Socket Screw(M6*L6)			○	2	
D-1-18	03701100H000	Mes Driving Shaft Bush				2	
D-1-19	08065CW-A001	Stopper Collar				1	
D-1-20	18047SC-7113	HEX/ SOCKET BOLT (M5*L15)			○	1	
D-1-21	08067RB-A001	O-Ring (@10)			○	1	
D-1-22	17023SH-BD44	COLOR CHANGE SHAFT "B"(L1795)				1	
	17060SH-AB00	Color Change Shaft "B"(L1953)				1	
	17065SH-AC00	Color Change Shaft "C"(L2062)				1	
D-1-23	13042SN-1111	Hex.Nut (M6*T5-R)			○	1	
D-1-24	GP-015265-00	Limit Sensor Plate	Feb.15.06	X		1	
	GP-015265-01	Limit Sensor Plate	May.12.06	△		1	
D-1-25	22006SC-7113	Hex. Socket Bolt (M3*L8)			○	2	
D-1-26	06011SW-2111	Washer (@3)			○	2	
D-1-27	11019SW-9115	Spring Washer (3@)			○	2	
D-1-28	03701000H000	Ball Bearing (6001Z)			○	1	
D-1-29	03701200H000	Motor Driving Nob				1	
D-1-30	14060AF-4517	Hex.Socket Screw(M6*L6)			○	2	
D-1-31	16055MT-UK06	Y-MOTOR(103H8223-5114)				1	
D-1-32	18047SC-7113	HEX.SOCKET BOLT (M5*L15)			○	4	
D-1-33	18049SW-3111	Washer (@5)			○	4	
D-1-34	18048SW-3115	Spring Washer (@5)			○	4	
D-1-35	AS-004111-00	Mes Cam Driving Box Assy	Feb,07,06 ~	X		1	

D-2

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

- D-2-1**: A rectangular main housing or base.
- D-2-2**, **D-2-3**, and **D-2-4**: Screws used for mounting the top cover.
- D-2-5**: A small rectangular component, likely a filter or sensor, mounted on the side of the main housing.
- D-2-6** and **D-2-7**: Screws used to secure the side component.
- D-2-8**: A large rectangular panel or door that fits into the front of the main housing.
- D-2-9**: Two screws used to secure the front panel to the main housing.

The diagram shows the main housing (D-2-1) with a top cover (D-2-2, D-2-3, D-2-4) and a side component (D-2-5, D-2-6, D-2-7). The front panel (D-2-8) is shown being attached to the main housing using screws (D-2-9).

Note

D

This diagram illustrates the assembly of the rear chassis components. The main structure is a rectangular frame with a central cross-member. Various parts are shown in their relative positions for installation:

- D-3-1**: A U-shaped bracket located at the bottom center, which will be secured by **D-3-2** (a long bolt) and **D-3-3** (a washer).
- D-3-4**: A coiled spring positioned to be attached to the side rails of the chassis.
- D-3-5** and **D-3-6**: A pair of small bushings and a bolt, shown together on the left side.
- D-3-7**: A small cylindrical pin or bushing located near the bottom right corner.
- D-3-8**: A long, thin cylindrical rod or pin extending from the bottom right corner.
- D-3-9** and **D-3-10**: A bolt and a washer, shown together on the right side, intended for securing the corner bracket.

Note

[illegible]

D-4

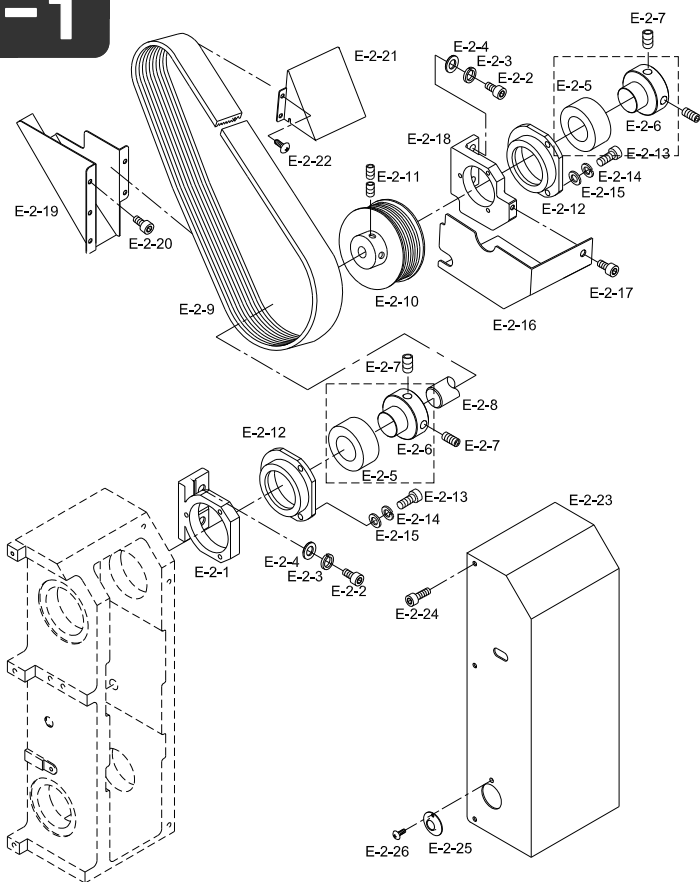
This diagram illustrates the assembly sequence for the D-4 engine. The components are labeled as follows:

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

Note

D

E-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
E-1-1	GP-006047-00	MAIN DRIVING PULLEY BOX SA	Dec.07.05	X		1	
	GP-006047-01	MAIN DRIVING PULLEY BOX SA	Jan.24.05	△		1	
	GP-006047-02	MAIN DRIVING PULLEY BOX SA	Mar.12.08	△		1	
E-1-2	03003SC-4113	Pulley Box Screw [M8×L35]			○	3	
E-1-3	15095SW-3115	Pulley Box Spring Washer [Ø8]			○	3	
E-1-4	04029SW-A001	Pulley Box Washer [Ø8]			○	3	
E-1-5	03200900I000	Pulley for Upper Shaft Ass'y				1	
E-1-6	14061AF-4517	Hex.Socket Screw(M8*L8)			○	4	
E-1-7	03200300I000	Tension Adjusting Roller				1	
E-1-8	03200500I000	Idler Shaft				1	
E-1-9	14006SC-7113	Hex.Socket Bolt (M8×L10)			○	1	
E-1-10	04029SW-A001	Washer (Ø8)			○	1	
E-1-11	15095SW-3115	Spring Washer (Ø8)			○	1	
E-1-12	03200600I000	Idler Bush				1	
E-1-13	04004MC-4517	Hex.Socket Bolt (M4×L4)			○	1	
E-1-14	03200700I000	C-Ring (#20)			○	1	
E-1-15	03200400I000	ROLLER BEARING				2	
E-1-16	03005600H000	ANGLE DISK				1	
E-1-17	03005800H000	Indicator				1	
E-1-18	02023SC-7113	Hex.Socket Bolt (M4*L8)			○	2	
E-1-19	03005710H000	Angle Plate Base @20				1	
E-1-20	21002SC-8119	Plus Screw (M3-L8)			○	3	
E-1-21	03201100I000	Collar "B" @20				1	
E-1-22	14060AF-4517	Hex.Socket Screw(M6*L6)			○	2	
E-1-23	12101000I000	Bearing Cover (A)				2	
E-1-24	08006SC-8118	Hex.Socket Screw (M3xL5)			○	6	
E-1-25	01001100H000	Ball Bearing (6005Zz)			○	2	
E-1-26	03000500I000	Top Shaft "A" [190mm]				1	
E-1-27	03005210H000	Collar "A"				1	
E-1-28	14060AF-4517	Hex.Socket Screw(M6*L6)			○	4	
E-1-29	GP-044599-00	COUPLING @20	Dec,23,08 ~	X		4	
E-1-30	08091SC-7113	Hex.Socket Bolt (M6×L20)			○	16	
E-1-31	08091SC-7113	Hex.Socket Bolt (M8×L10)			○	1	
E-1-32	16014SW-4115	Spring Washer (Ø8)			○	1	
E-1-33	03025SW-1211	Washer (Ø8)			○	1	
E-1-34	15-027A-2070	SENSOR				2	
E-1-35	27076SC-8119	Hex.Socket Bolt (M3*L12)			○	2	

E-1

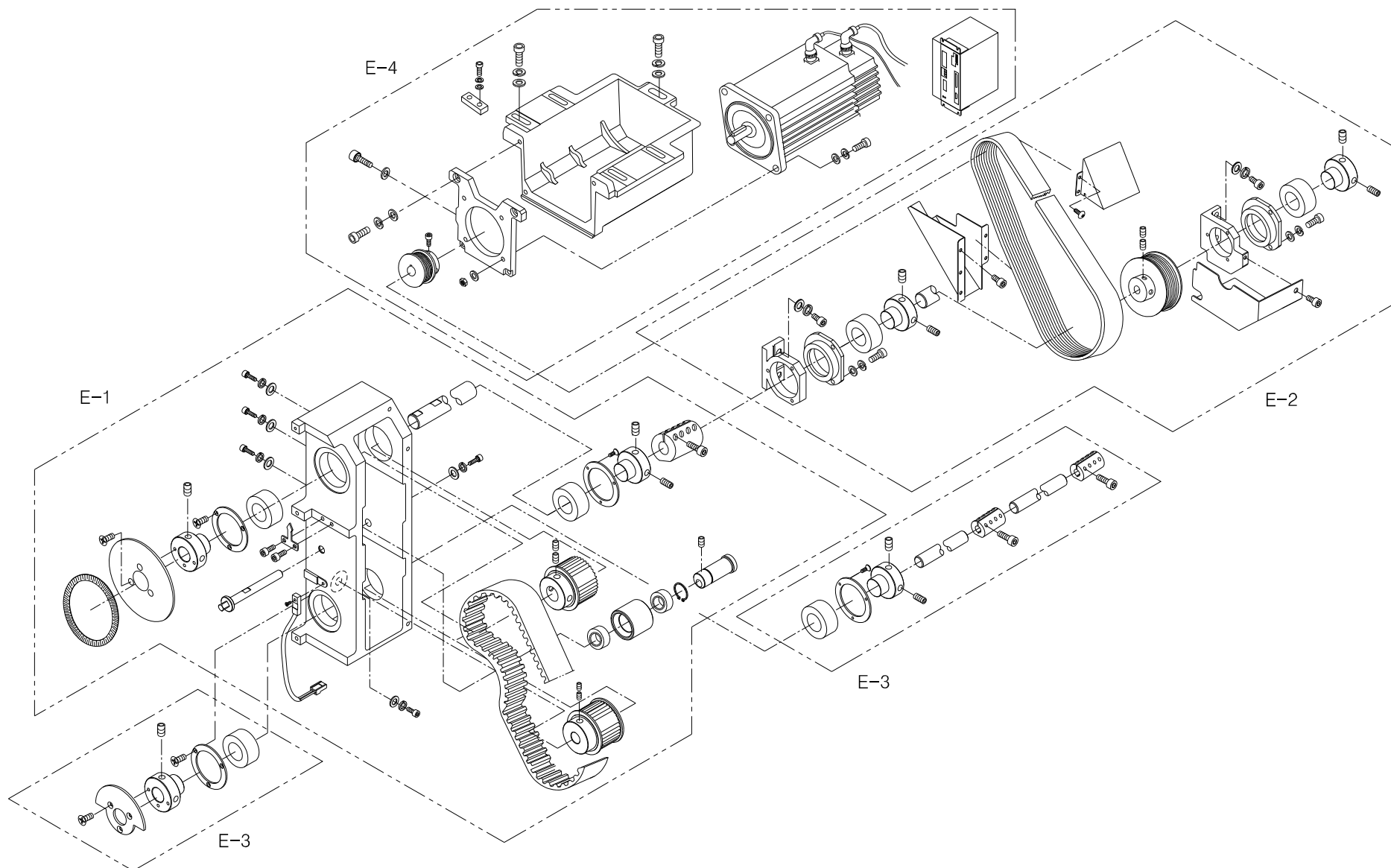
This exploded view diagram illustrates the assembly of a mechanical device, likely a pump or motor. The central component is a vertical rectangular housing (E-1-1) with two circular openings. Various parts are shown in their relative positions, indicated by dashed lines. The parts are labeled as follows:

- E-1-1: Main vertical housing
- E-1-2, E-1-3, E-1-4: Small screws/bushings at the top left
- E-1-5: A cylindrical component with a gear-like end, located at the bottom right
- E-1-6, E-1-11, E-1-10, E-1-9: Small components on the right side
- E-1-7, E-1-15, E-1-14, E-1-12: A series of components at the bottom right
- E-1-8, E-1-34, E-1-35: A cable or hose assembly at the bottom left
- E-1-16, E-1-19, E-1-20: A circular disc and its mounting hardware on the left
- E-1-17, E-1-18, E-1-21, E-1-22, E-1-23, E-1-24, E-1-25: Various small components and bushings around the central housing
- E-1-26, E-1-27, E-1-28, E-1-29, E-1-30, E-1-31, E-1-32, E-1-33: Various small components and bushings at the top and bottom of the housing
- E-1-36: A long, curved, ribbed component on the right side

Note

[illegible]

Main Drive System



E-2

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

- E-2-1**: Main engine block (shown in dashed lines).
- E-2-2**: Bolt.
- E-2-3**: Bolt.
- E-2-4**: Bolt.
- E-2-5**: Bolt.
- E-2-6**: Bolt.
- E-2-7**: Bolt.
- E-2-8**: Bolt.
- E-2-9**: Belt.
- E-2-10**: Pulley.
- E-2-11**: Bolt.
- E-2-12**: Bolt.
- E-2-13**: Bolt.
- E-2-14**: Bolt.
- E-2-15**: Bolt.
- E-2-16**: Bolt.
- E-2-17**: Bolt.
- E-2-18**: Bolt.
- E-2-19**: Bolt.
- E-2-20**: Bolt.
- E-2-21**: Bolt.
- E-2-22**: Bolt.
- E-2-23**: Bolt.
- E-2-24**: Bolt.
- E-2-25**: Bolt.
- E-2-26**: Bolt.

Note



E-3

This exploded view diagram illustrates the assembly of a mechanical unit, likely a pump or motor. The components are labeled as follows:

- E-3-1**: A circular base plate with four mounting holes.
- E-3-2**: A small screw used to secure the base plate.
- E-3-3**: A circular component with a central hub and four mounting holes.
- E-3-4**: A small pin or spacer.
- E-3-5**: A circular flange or seal.
- E-3-6**: A small screw used to secure the flange.
- E-3-7**: A circular component with a central hub and four mounting holes.
- E-3-8**: A cylindrical component with a flange.
- E-3-9**: A small screw used to secure the cylindrical component.
- E-3-10**: A circular component with a central hub and four mounting holes.
- E-3-11**: A small screw used to secure the component.
- E-3-12**: A small pin or spacer.
- E-3-13**: A small pin or spacer.
- E-3-14**: A small screw used to secure the component.
- E-3-15**: A small pin or spacer.

The diagram shows the assembly of the unit, with the main body (E-3-8) being the central component. The base plate (E-3-1) and the flange (E-3-5) are shown being attached to the main body. The cylindrical component (E-3-8) is shown being attached to the main body. The diagram also shows the assembly of the internal components, including the pin (E-3-4) and the screw (E-3-2).

Note

[illegible]

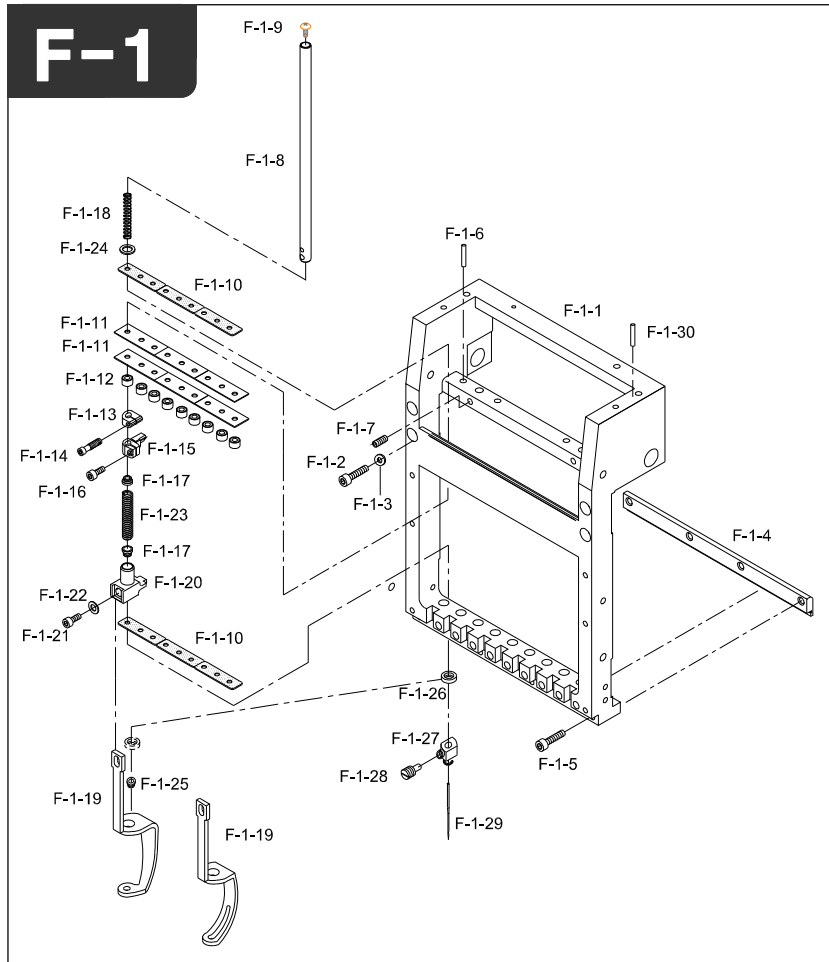
E-4

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

- E-4-1**: Motor housing with cooling fins.
- E-4-2**: Small screw.
- E-4-3**: Small screw.
- E-4-4**: Small screw.
- E-4-5**: Small screw.
- E-4-6**: Motor mounting bracket.
- E-4-7**: Small screw.
- E-4-8**: Small screw.
- E-4-9**: Small screw.
- E-4-10**: Motor housing with cooling fins (top view).
- E-4-11**: Small screw.
- E-4-12**: Small screw.
- E-4-13**: Small screw.
- E-4-14**: Small screw.
- E-4-15**: Small screw.
- E-4-16**: Small screw.
- E-4-17**: Small screw.
- E-4-18**: Small screw.
- E-4-19**: Small screw.
- E-4-20**: Motor housing with cooling fins (bottom view).
- E-4-21**: Motor housing with cooling fins (side view).
- E-4-22**: Motor housing with cooling fins (rear view).

Note





Note

F-1,F-2 : 08200002I000 Head Assy (6C)
 08200003I000 Head Assy (9C)
 08200004I000 Head Assy (12C)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-1-1	GP-007356-00	Head (6C)	Jan.28.05	X		20	
	GP-007356-01	Head (6C)	Jul.21.06	△		20	
	GP-007356-02	Head (6C)	Nov.14.06	△		20	
	GP-007356-03	Head (6C)	Mar.26.07	△		20	
	GP-007356-04	Head (6C)	Nov.02.07	△		20	
	GP-007356-05	Head (6C)	Sep.11.08	△		20	
	GP-007356-06	Head (6C)	Nov.03.08	△		20	
	GP-007357-00	Head (9C)	Jan.28.05	X		20	
	GP-007357-01	Head (9C)	Jul.21.06	△		20	
	GP-007357-02	Head (9C)	Nov.14.06	△		20	
	GP-007357-03	Head (9C)	Mar.26.07	△		20	
	GP-007357-04	Head (9C)	Nov.02.07	△		20	
	GP-007357-05	Head (9C)	Sep.11.08	△		20	
	GP-007357-06	Head (9C)	Nov.03.08	△		20	
	GP-007358-00	Head (12C)	Jan.28.05	X		20	
	GP-007358-01	Head (12C)	Jul.21.06	△		20	
	GP-007358-02	Head (12C)	Nov.14.06	△		20	
	GP-007358-03	Head (12C)	Mar.26.07	△		20	
	GP-007358-04	Head (12C)	Nov.02.07	△		20	
	GP-007358-05	Head (12C)	Sep.11.08	△		20	
	GP-007358-06	Head (12C)	Nov.03.08	△		20	
	GP-007334-00	Head (15C)	Jan.27.05	X		20	
	GP-007334-01	Head (15C)	Jan.28.05	△		20	
	GP-007334-02	Head (15C)	Jul.21.06	△		20	
	GP-007334-03	Head (15C)	Nov.14.06	△		20	
	GP-007334-04	Head (15C)	Mar.26.07	△		20	
	GP-007334-05	Head (15C)	Nov.02.07	△		20	
	GP-007334-06	Head (15C)	Sep.11.08	△		20	
	GP-007334-07	Head (15C)	Nov.03.08	△		20	
F-1-2	05008SC-4113	Hex.Socket Bolt (M4*L16)			○	80	
F-1-3	06003SW-2111	Washer (@4)			○	80	
F-1-4	08201303I000	Head Rail (9C)				20	
	08201304I000	Head Rail (12C)				20	
F-1-5	04023MC-4113	Hex. Socket Bolt (M4*L23)			○	80	
F-1-6	05015CW-A001	Head Base Pin(@5*L15)			○	40	
F-1-7	03022SC-4517	Hex. Socket Set Screw(M4*L5)			○	40	
F-1-8	NB-000011-00	Needle Bar				180	

F-1

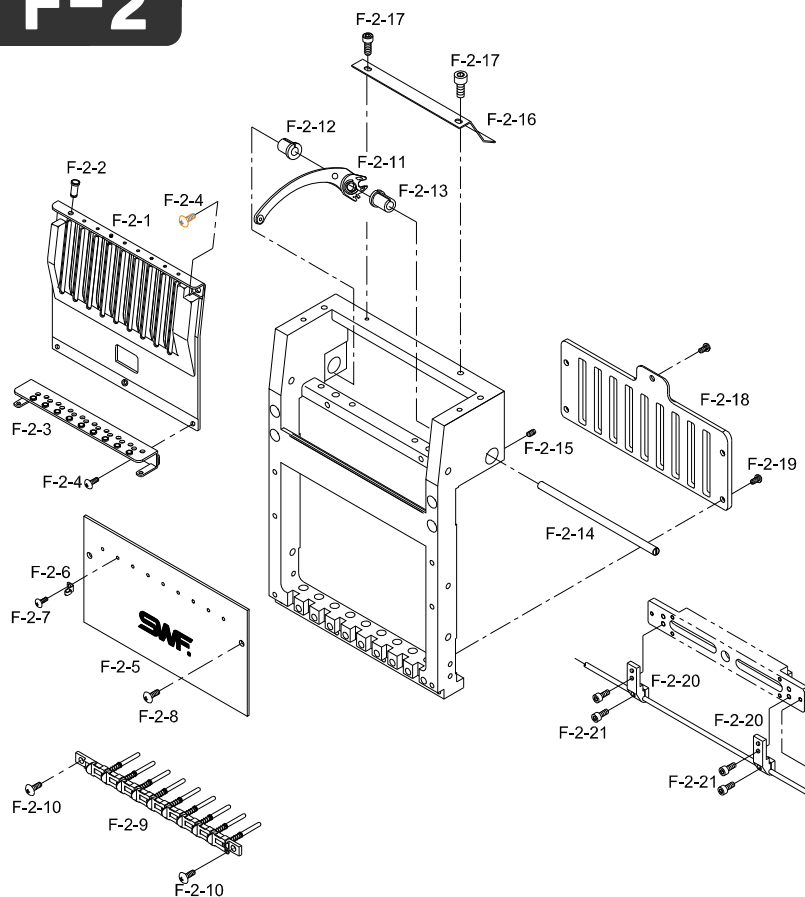
This exploded view diagram illustrates the assembly of the F-1 component. The main frame, labeled F-1-1, is the central structure. Key components and their assembly sequence are as follows:

- F-1-9**: A long vertical rod that is inserted into the top of the frame (F-1-1).
- F-1-8**: A long vertical rod that is inserted into the bottom of the frame (F-1-1).
- F-1-6**: A small pin or screw that is inserted into the top of the frame (F-1-1).
- F-1-30**: A small pin or screw that is inserted into the side of the frame (F-1-1).
- F-1-4**: A long horizontal rod that is inserted into the side of the frame (F-1-1).
- F-1-5**: A small pin or screw that is inserted into the bottom of the frame (F-1-1).
- F-1-26**: A small pin or screw that is inserted into the bottom of the frame (F-1-1).
- F-1-27**: A small pin or screw that is inserted into the bottom of the frame (F-1-1).
- F-1-28**: A small pin or screw that is inserted into the bottom of the frame (F-1-1).
- F-1-29**: A small pin or screw that is inserted into the bottom of the frame (F-1-1).
- F-1-18**: A coiled spring that is attached to the bottom of the frame (F-1-1).
- F-1-24**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-10**: A long horizontal rod that is attached to the bottom of the frame (F-1-1).
- F-1-11**: A long horizontal rod that is attached to the bottom of the frame (F-1-1).
- F-1-12**: A long horizontal rod that is attached to the bottom of the frame (F-1-1).
- F-1-13**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-14**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-15**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-16**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-17**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-23**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-17**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-20**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-22**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-21**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-19**: A small pin or screw that is attached to the bottom of the frame (F-1-1).
- F-1-25**: A small pin or screw that is attached to the bottom of the frame (F-1-1).

F-1,F-2 : 08200002I000	Head Assy (6C)
08200003I000	Head Assy (9C)
08200004I000	Head Assy (12C)

F

F-2



Note

F-1,F-2 : 08200002I000 Head Assy (6C)
 08200003I000 Head Assy (9C)
 08200004I000 Head Assy (12C)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-2-1	10200103B000	Head Face Plate (U) 9C				20	
F-2-2	10200100H000	Thread Guide Bush "A-1"				180	
F-2-3	AS-000483-00	Thread Guide (M) Set (6C)	Jun.23.04	X		20	
	AS-000483-01	Thread Guide (M) Set (6C)	May.10.07	△		20	
	AS-000483-02	Thread Guide (M) Set (6C)	Jun.18.07	△		20	
	AS-000483-03	Thread Guide (M) Set (6C)	Dec.11.08	△		20	
	AS-000483-04	Thread Guide (M) Set (6C)	Jan.30.09	△		20	
	AS-000483-05	Thread Guide (M) Set (6C)	Feb.17.09	△		20	
	AS-000483-06	Thread Guide (M) Set (6C)	Jan.26.10	△		20	
	AS-000483-07	Thread Guide (M) Set (6C)	Aug.13.10	△		20	
	AS-000484-00	Thread Guide (M) Set (9C)	Jun.23.04	X		20	
	AS-000484-01	Thread Guide (M) Set (9C)	May.10.07	△		20	
	AS-000484-02	Thread Guide (M) Set (9C)	Jun.18.07	△		20	
	AS-000484-03	Thread Guide (M) Set (9C)	Aug.29.07	△		20	
	AS-000484-04	Thread Guide (M) Set (9C)	Dec.11.08	△		20	
	AS-000484-05	Thread Guide (M) Set (9C)	Dec.11.08	△		20	
	AS-000484-06	Thread Guide (M) Set (9C)	Jan.14.09	△		20	
	AS-000484-07	Thread Guide (M) Set (9C)	Jan.30.09	△		20	
	AS-000484-08	Thread Guide (M) Set (9C)	Feb.17.09	△		20	
	AS-000484-09	Thread Guide (M) Set (9C)	Jan.26.10	△		20	
	AS-000484-10	Thread Guide (M) Set (9C)	Aug.13.10	△		20	
	AS-000485-00	Thread Guide (M) Set (12C)	Jun.23.04	X		20	
	AS-000485-01	Thread Guide (M) Set (12C)	May.10.07	△		20	
	AS-000485-02	Thread Guide (M) Set (12C)	Jun.18.07	△		20	
	AS-000485-03	Thread Guide (M) Set (12C)	Dec.11.08	△		20	
	AS-000485-04	Thread Guide (M) Set (12C)	Jan.14.09	△		20	
	AS-000485-05	Thread Guide (M) Set (12C)	Jan.30.09	△		20	
	AS-000485-06	Thread Guide (M) Set (12C)	Feb.17.09	△		20	
	AS-000485-07	Thread Guide (M) Set (12C)	Jan.26.10	△		20	
	AS-000485-08	Thread Guide (M) Set (12C)	Aug.13.10	△		20	
	AS-000486-00	Thread Guide (M) Set (15C)	Jun.23.04	X		20	
	AS-000486-01	Thread Guide (M) Set (15C)	May.10.07	△		20	
	AS-000486-02	Thread Guide (M) Set (15C)	Jun.18.07	△		20	
	AS-000486-03	Thread Guide (M) Set (15C)	Dec.11.08	△		20	
	AS-000486-04	Thread Guide (M) Set (15C)	Jan.20.09	△		20	
	AS-000486-05	Thread Guide (M) Set (15C)	Jan.30.09	△		20	
	AS-000486-06	Thread Guide (M) Set (15C)	Feb.17.09	△		20	
F-2-4	SC-001625-00	Thread Guide (M) Screw (9/64 n=40)	Jan.19.09	X		80	
	SC-001625-01	Thread Guide (M) Screw (9/64 n=40)	Feb.17.09	△		80	
F-2-5	12001703I000	Head Face Plate(L)				20	
F-2-6	11012PR-B001	Thread Guide				180	
F-2-7	09005SC-3123	Truss Bolt (M3*L5)			○	180	
F-2-8	05070SC-3123	HEAD FACE PLATE (U) SCREW				40	

F-2

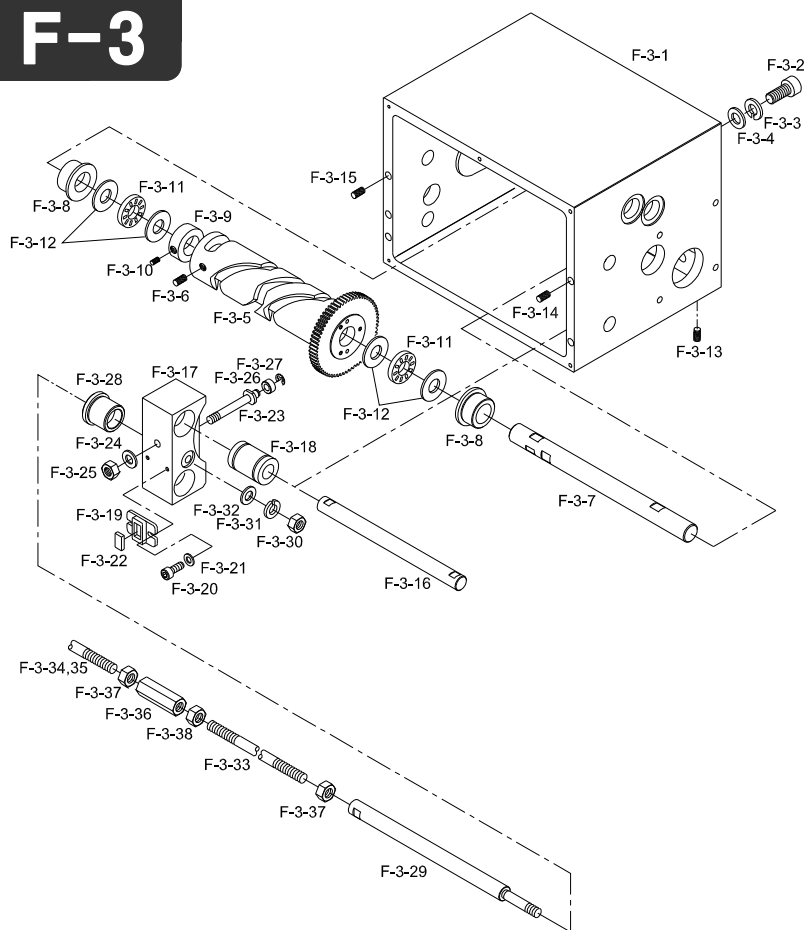
This exploded view diagram illustrates the assembly of the F-2 chassis. The central component is the main chassis frame. Various parts are shown being attached to it, including:

- Top Panel:** Attached to the top of the chassis using screws F-2-17 and F-2-16. A bracket F-2-12 is also shown.
- Front Panel:** Features the 'SMF' logo. It is secured with screws F-2-6, F-2-7, F-2-5, and F-2-8.
- Internal Components:** Includes a component with multiple vertical slots (F-2-2, F-2-1, F-2-4) and a component with multiple horizontal slots (F-2-3, F-2-4).
- Bottom Panel:** A component with multiple horizontal slots, secured with screws F-2-10 and F-2-9.
- Right Panel:** A component with multiple vertical slots, secured with screws F-2-18 and F-2-19. A bracket F-2-14 is also shown.
- Internal Mounting:** Various screws (F-2-11, F-2-13, F-2-15) and a bracket (F-2-11) are used to secure internal components within the chassis frame.

F-1,F-2 : 08200002I000	Head Assy (6C)
08200003I000	Head Assy (9C)
08200004I000	Head Assy (12C)



F-3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-3-1	GP-005239-00	Color Change Box	Oct.21.04	X		1	
	GP-005239-01	Color Change Box	Oct.26.05	△		1	
	GP-005239-02	Color Change Box	Mar.24.09	△		1	
F-3-2	03003SC-4113	Hex. Socket Bolt "B" (M8*L35)			○	4	
F-3-3	15095SW-3115	Spring Washer (@8)			○	4	
F-3-4	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
F-3-5	08110001F000	Color Change Cam Set 3C				1	
F-3-6	08037SC-4517	Hex. Socket Set Screw (M6*L10)			○	2	
F-3-7	08101003I000	Cam Shaft (6,9Color)				1	
F-3-8	08101100B000	Cam Bushing				2	
F-3-9	CL-000353-00	Cam Collar				1	
F-3-10	04016AF-A001	Cam Collar Screw(1/4" n=40,L6)				2	
F-3-11	08100200I000	Thrust Bearing(NTB1629)				2	
F-3-12	08100300I000	Thrust Washer(AS1629)				4	
F-3-13	03020SC-A001	Drive Pin Screw 11/64,N40,L8				3	
F-3-14	03020SC-A001	Drive Pin Screw 11/64,N40,L8				2	
F-3-15	03020SC-A001	Drive Pin Screw 11/64,N40,L8				1	
F-3-16	08103203I000	Roller Guide Shaft -6,9 Color				2	
F-3-17	08100700I000	Color Change Block				1	
F-3-18	13035BR-A001	Guide Bushing				2	
F-3-19	13036PR-A001	Magnet Holder				1	
F-3-20	22006SC-7113	Hex. Socket Bolt (M3*L8)			○	1	
F-3-21	06011SW-2111	Washer (@3)			○	1	
F-3-22	10-027C-SC53	Magnet				1	
F-3-23	ST-000013-00	ROLLER SHAFT	Dec,18,08 ~	X		1	
F-3-24	08200601F000	Spring Washer (@4)			○	1	
F-3-25	13042SN-1111	Hex.Nut (M6*T5-R)			○	1	
F-3-26	RL-000001-00	Roller	Dec,18,08 ~	X		1	
F-3-27	13044SR-4013	E-Ring (@4)			○	1	
F-3-28	08100800I000	Head Sliding Shaft Bush				1	
F-3-29	13040CW-A001	Color Change Shaft "A"				1	
F-3-30	13042SN-1111	Hex.Nut (M6*T5-R)			○	2	
F-3-31	03026SW-9115	Spring Washer (@6)			○	1	
F-3-32	03025SW-1211	Washer (@6)			○	1	
F-3-33	17023SH-BD44	COLOR CHANGE SHAFT "B"(L1795)				1	
F-3-34	17065SH-AC00	Color Change Shaft "C"(L2062)				1	
F-3-35	17069SH-AC00	Color Change Shaft "D"(L2062)				1	

F-3

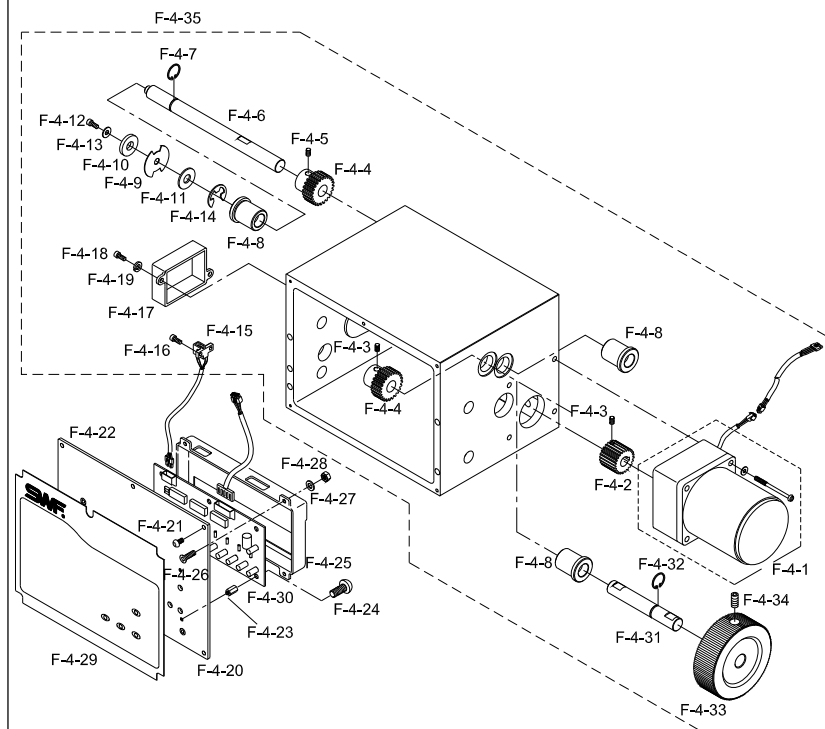
This exploded view diagram illustrates the assembly of the F-3 unit. The main components are shown in their relative positions, with dashed lines indicating the assembly path. The components are labeled as follows:

- F-3-1**: Main housing or enclosure.
- F-3-2**, **F-3-3**, **F-3-4**: Fasteners for the top cover.
- F-3-5**: Main shaft or drive assembly.
- F-3-6**, **F-3-7**, **F-3-8**, **F-3-9**, **F-3-10**, **F-3-11**, **F-3-12**: Various gears, bearings, and shaft components.
- F-3-13**: Fastener for the bottom cover.
- F-3-14**: Fastener for the side panel.
- F-3-15**: Fastener for the top cover.
- F-3-16**: Long shaft or drive rod.
- F-3-17**, **F-3-18**, **F-3-19**, **F-3-20**, **F-3-21**, **F-3-22**, **F-3-23**, **F-3-24**, **F-3-25**, **F-3-26**, **F-3-27**: Various fasteners, washers, and small components.
- F-3-28**: Small component, possibly a bearing or bush.
- F-3-29**: Long shaft or drive rod.
- F-3-30**, **F-3-31**, **F-3-32**, **F-3-33**, **F-3-34**, **F-3-35**: Various fasteners, washers, and small components.
- F-3-36**, **F-3-37**, **F-3-38**: Various fasteners, washers, and small components.

Note

[illegible]

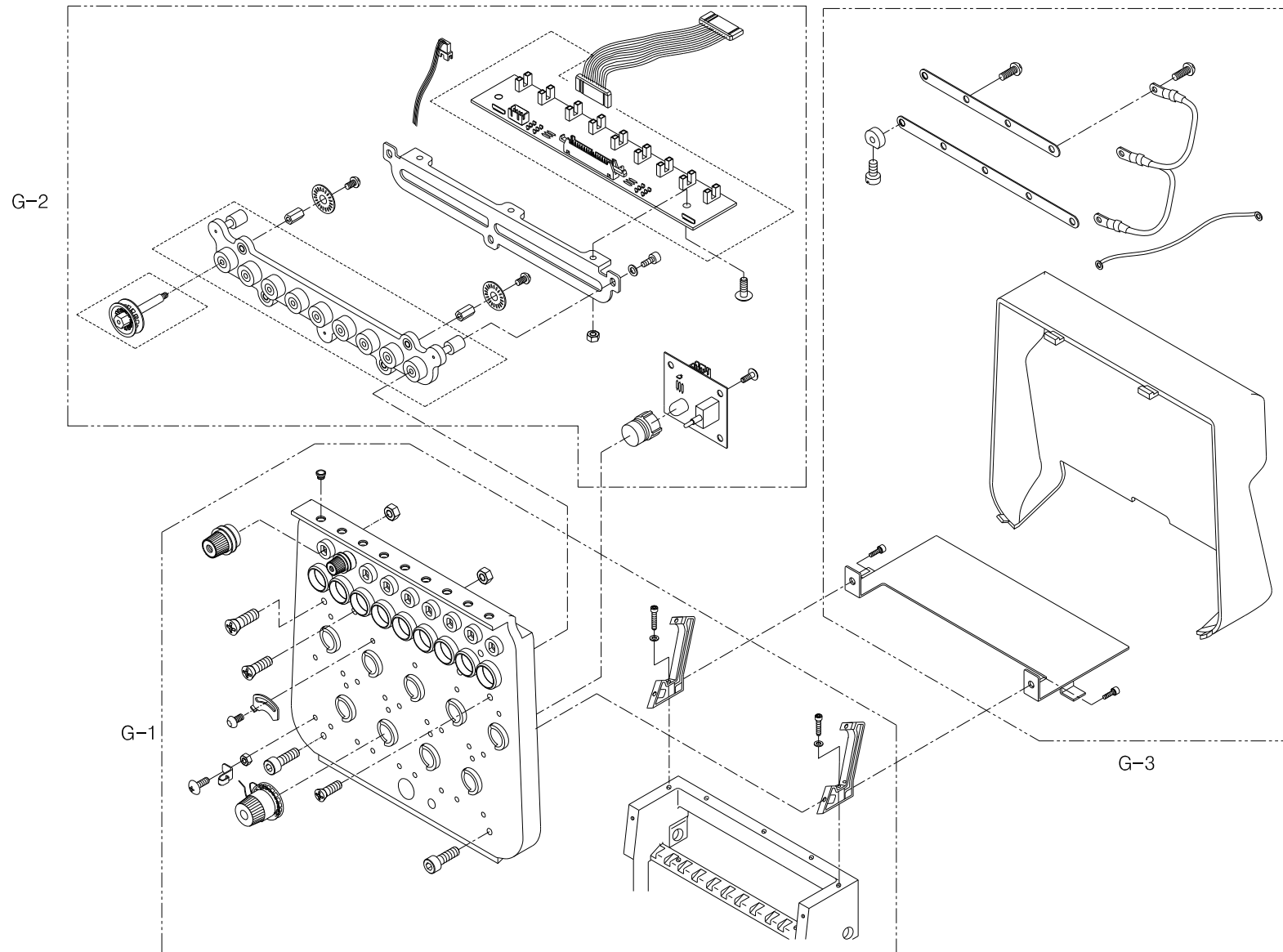
F-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-4-1	13028MT-A001	Color Change Motor Unit				1	
F-4-2	13029GA-A001	Motor Gear				1	
F-4-3	13030SC-4517	Hex. Socket Set Screw (M4*L8)			○	2	
F-4-4	GP-005242-00	Half Turn Gear	Oct,21,04 ~	x		2	
F-4-4	GP-005242-01	Half Turn Gear	Dec,16,08 ~	△			
F-4-5	13030SC-4517	Hex. Socket Set Screw (M4*L8)			○	1	
F-4-6	081005001000	Half Turn Sensor Shaft				1	
F-4-7	081006001000	C-Ring			○	1	
F-4-8	081015001000	Half Turn Shaft Bush				3	
F-4-9	13017PR-A001	Half Turn Film				1	
F-4-10	13018PR-A001	Half Turn Film Washer (T2.3)				1	
F-4-11	13019PR-A001	Half Turn Film Washer (T1.0)				1	
F-4-12	13020SC-A001	Hex.Socket Bolt(M3*L7)			○	1	
F-4-13	06011SW-2111	Washer (@3)			○	1	
F-4-14	08044SR-4013	E-Ring (@8)			○	1	
F-4-15	13023EL-A001	Half Turn Sensor Set				1	
F-4-16	03071SC-A001	Hex.Socket Bolt(M3*L15)			○	2	
F-4-17	13025PM-A001	Sensor Cover				1	
F-4-18	02015SC-7113	Hex.Socket Bolt(M4*L10)			○	2	
F-4-19	08200601F000	Spring Washer (@4)			○	2	
F-4-20	09100103I000	Color Change Box Cover				1	
F-4-21	03006MC-9123	TRUSS SCREW(M3*L6) SUS				5	
F-4-22	09100101F000	Color Change P.C.B				1	
F-4-23	GP-008534-00	Stud Bolt	Apr.08.05	X		6	
F-4-24	06010SC-8118	Plus Screw (M3*L4)			○	6	
F-4-25	13060ET-A005	Board Cover				1	
F-4-26	13061SC-8119	Plus Screw (M3*L10)			○	4	
F-4-27	11019SW-9115	Spring Washer (3@)			○	4	
F-4-28	05057SN-3211	Hex. Nut (M3-No2)			○	4	
F-4-29	12000103IDK4	Membrane Switch				1	
F-4-30	02-001A-UI12	COLOR CHANGE BOARD				1	
F-4-31	081009001000	Manual Knob Shaft				1	
F-4-32	081006001000	C-Ring			○	1	
F-4-33	081010101000	COLOR CHANGE NOB				1	
F-4-34	14060AF-4517	Hex.Socket Bolt(M6*L6)			○	1	
F-4-35	AS-000967-00	Color Change Box Assy (6C)	Aug,20,04 ~	X		1	
	AS-000506-00	Color Change Box Assy (9C)	Jun,23,04	X			
	AS-000698-00	Color Change Box Assy (12C)	Aug,07,04	X			

Thread Tension Unit



G-1,G-2 : 08300002I000	Tension Unit Assy (6C)
08300003I000	Tension Unit Assy (9C)
AS-000476-00	Tension Unit Assy (12C)

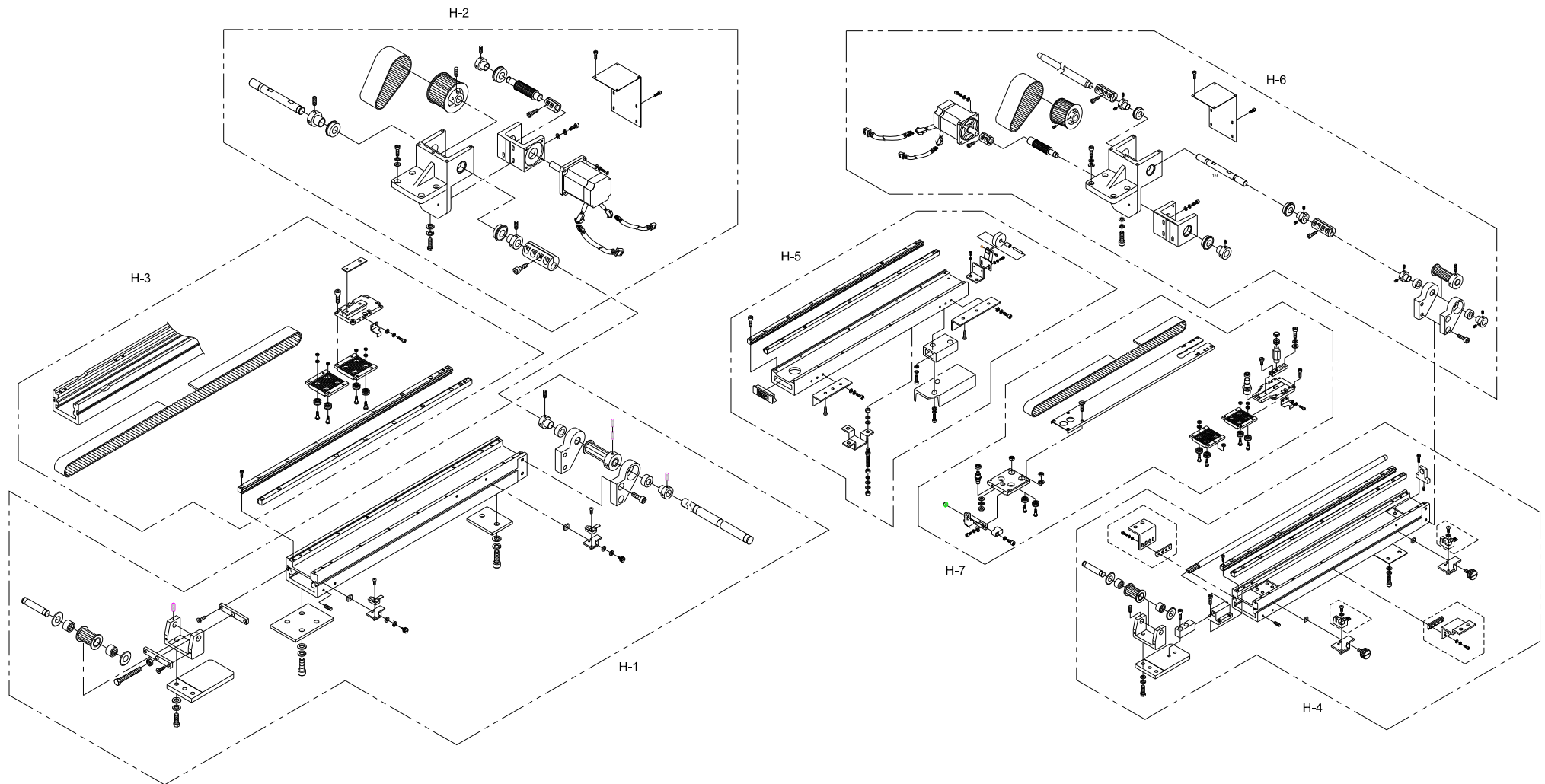
Note

The logo of the German Society for Quality Management (DGQ) is a black square with rounded corners, containing a white capital letter 'G'.

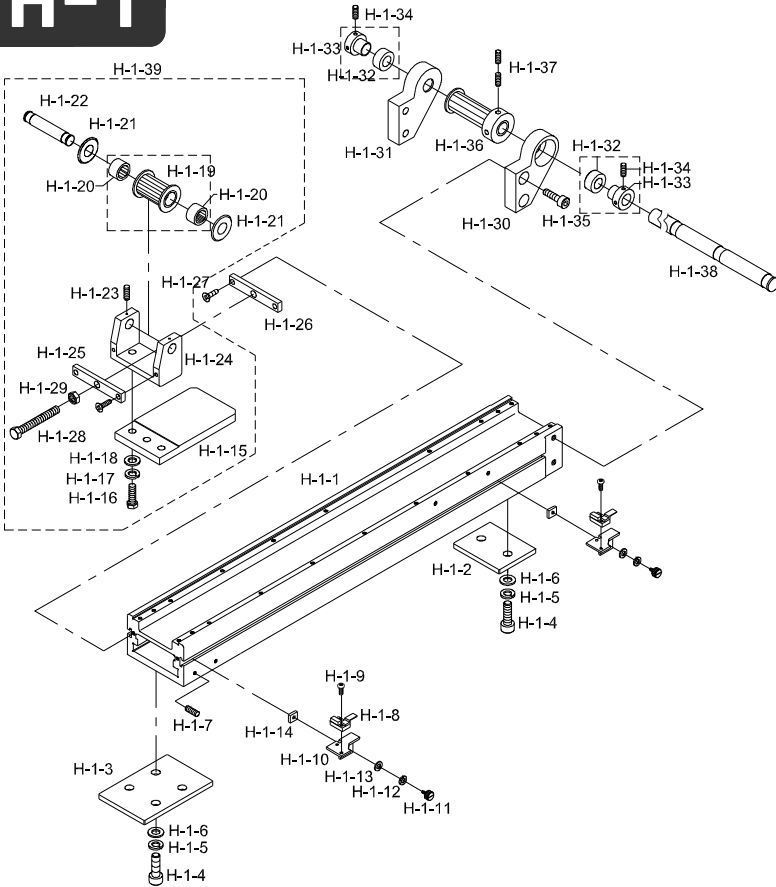
Note	
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X-Y Axis Drive System



H-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-1-1	04100100ID00	X Axis Frame				3	
H-1-2	04000100H000	X-Lm Guide Support Plate (A)				3	
H-1-3	04000200H000	X-Lm Guide Support Plate (B)				3	
H-1-4	15020SC-4113	Hex,Socket Bolt (M8*L50)				18	
H-1-5	15095SW-3115	Spring Washer (@8)			○	18	
H-1-6	04029SW-A001	Stud Bolt Washer(S) (@8)			○	18	
H-1-7	14060AF-4517	Hex.Socket Screw(M6*L6)				6	
H-1-8	15046EL-CT01	Xy-Sensor Assy				2	
H-1-9	15120SC-A001	Position Adjusting Screw				2	
H-1-10	GP-015270-00	Sensor Bracket (X,Y)	Feb.15.06	X		2	
H-1-11	15120SC-A001	Position Adjusting Screw				2	
H-1-12	18014SW-3115	Spring Washer (@4-No2)			○	2	
H-1-13	06003SW-2111	Washer (@4)			○	2	
H-1-14	15121PR-A001	Square Washer				2	
H-1-15	15024CW-A001	Timing Pulley Bracket Fixing Plate				3	
H-1-16	15028SC-1111	Hex. Bolt (M6*L20)			○	9	
H-1-17	03026SW-9115	Spring Washer (@6)			○	9	
H-1-18	08057SW-1111	Washer (@6)			○	9	
H-1-19	04700100B000	X-Follower Timing Pulley				3	
H-1-20	15042BR-A001	Needle Bearing (1210ZZ)			○	6	
H-1-21	15046RB-A001	Fiber Washer(TW1225NTN)				6	
H-1-22	15044CW-A001	X-Follower Timing Pulley Shaft "B"				3	
H-1-23	03022SC-4517	Hex.Socket Bolt(M4*L5)			○	6	
H-1-24	04000640I000	TIMING PULLEY BRACKET (C)				3	
H-1-25	15055PR-A001	Tension Rivet Plate (W) W:48				3	
H-1-26	15056PR-A001	Tension Plate (W) (Belt:48)				3	
H-1-27	15089SC-7119	C.S Screw (M4*L12)			○	12	
H-1-28	15058SC-1211	Hex. Bolt (M6*L58)			○	3	
H-1-29	14064SN-7311	Hex.Nut (M6-No3)			○	3	
H-1-30	GP-038829-00	TIMING PULLEY BRACKET (L)	Jun.02.08	X		3	
H-1-31	GP-038831-00	TIMING PULLEY BRACKET (R)	Jun.02.08	X		3	
H-1-32	04000630I000	BEARING (6905ZZ)			○	6	
H-1-33	04003500I000	NEEDLE BEARING COLLAR				6	
H-1-34	14060AF-4517	HEX.SOCKET SCREW(M6*L6)			○	12	
H-1-35	14002SC-7113	Hex.Socket Set Screw(M6*L15)			○	12	
H-1-36	04000400B000	X-TIMING PULLEY (S5M)				3	
H-1-37	14060AF-4517	Hex.Socket Screw(M6*L6)			○	12	

H-1

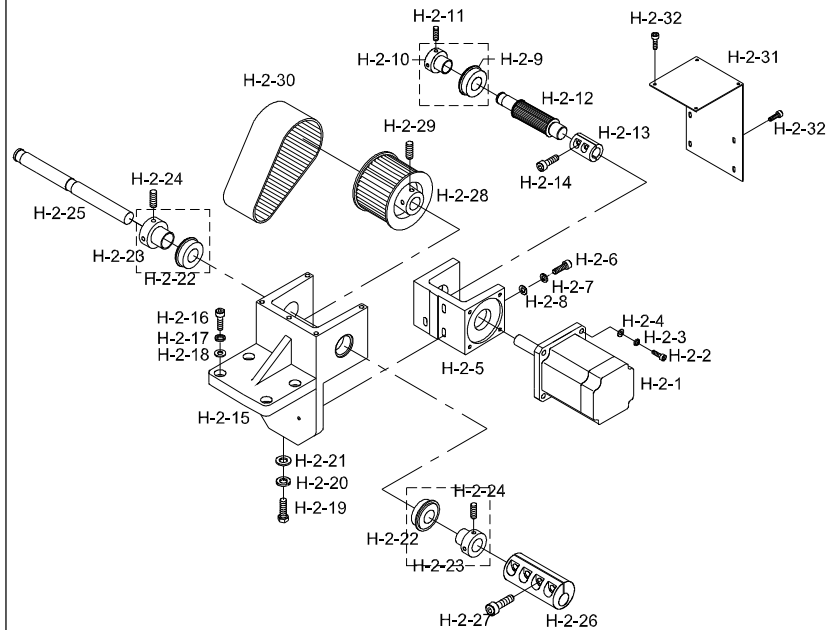
Exploded view diagram of the H-1 assembly, showing various components and their assembly sequence. The diagram includes the following parts and their assembly order:

- H-1-39**: Main assembly point for the top section.
- H-1-22**, **H-1-21**, **H-1-20**, **H-1-19**, **H-1-20**, **H-1-21**: Components of the top section.
- H-1-23**, **H-1-27**, **H-1-26**, **H-1-25**, **H-1-24**, **H-1-29**, **H-1-28**, **H-1-18**, **H-1-17**, **H-1-16**, **H-1-15**: Components of the middle section.
- H-1-34**, **H-1-33**, **H-1-32**, **H-1-31**, **H-1-36**, **H-1-30**, **H-1-35**, **H-1-32**, **H-1-34**, **H-1-33**, **H-1-38**: Components of the right section.
- H-1-1**: Main assembly point for the bottom section.
- H-1-2**, **H-1-6**, **H-1-5**, **H-1-4**: Components of the bottom section.
- H-1-9**, **H-1-8**, **H-1-10**, **H-1-13**, **H-1-12**, **H-1-11**: Components of the bottom section.
- H-1-3**, **H-1-6**, **H-1-5**, **H-1-4**: Components of the bottom section.

Note



H-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-2-1	DMPE2-000001	X-Y Motor (SFAM-1000-003)				1	
H-2-2	08087SC-7113	Hex.Socket Bolt(M8*L25)			○	4	
H-2-3	15095SW-3115	Spring Washer (@8)			○	4	
H-2-4	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-2-5	04000600I000	X-Motor Bracket				1	
H-2-6	08087SC-7113	Hex.Socket Bolt(M8*L25)			○	3	
H-2-7	15095SW-3115	Spring Washer (@8)			○	3	
H-2-8	04029SW-A001	Stud Bolt Washer(S) (@8)			○	3	
H-2-9	02-009A-8180	Ball Bearing (6004NR)			○	1	
H-2-10	04003500B000	Bearing Stopper Collar "A"				1	
H-2-11	14060AF-4517	Hex.Socket Screw(M6*L6)			○	2	
H-2-12	DPL-BC006401	X-Y Driving Shaft Timing Pulley				1	
H-2-13	04001700H000	Driving Shaft Coupling				1	
H-2-14	08091SC-7113	Hex.Socket Bolt(M6*L20)			○	2	
H-2-15	04001800I000	X Motor Base				1	
H-2-16	08087SC-7113	Hex.Socket Bolt(M8*L25)			○	4	
H-2-17	15095SW-3115	Spring Washer (@8)			○	4	
H-2-18	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-2-19	15019SC-4113	Hex. Socket Bolt (M8*L40)			○	1	
H-2-20	15095SW-3115	Spring Washer (@8)			○	1	
H-2-21	04029SW-A001	Stud Bolt Washer(S) (@8)			○	1	
H-2-22	02-009A-8180	Ball Bearing (6004NR)				2	
H-2-23	03005210H000	COLLAR "A"				2	
H-2-24	14060AF-4517	Hex.Socket Screw(M6*L6)			○	4	
H-2-25	04001000I004	X Driving Pulley Shaft				1	
H-2-26	GP-044599-00	COUPLING @20	Dec,23,08 ~	X		3	
H-2-27	15105SC-7113	HEX.SOCKET BOLT (M4*L15)			○	12	
H-2-28	04100330I000	TIMMING PULLEY(72-S5M-050)				1	
H-2-29	14061AF-4517	Hex.Socket Screw(M8*L8)			○	8	
H-2-30	04100410I000	TIMMING BELT (50-S5M-475)				1	
H-2-31	12002000I000	X-Y Axis Servo Motor Cover				1	
H-2-32	18033SC-3123	Truss Screw (M5*L6)			○	8	

H-3

The diagram illustrates the assembly of the H-3 component. The parts are labeled as follows:

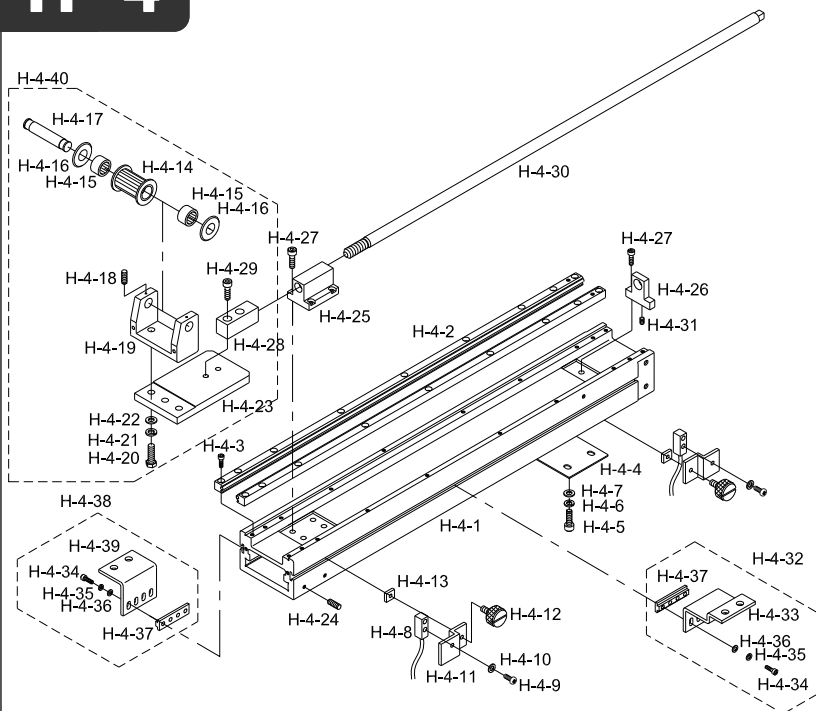
- H-3-1: Long metal rail with mounting holes.
- H-3-2: Small metal pin or screw.
- H-3-3: Long metal rail with a serrated edge.
- H-3-4: Small metal plate with mounting holes.
- H-3-5: Small metal pin or screw.
- H-3-6: Small metal pin or screw.
- H-3-7: Small metal pin or screw.
- H-3-8: Small metal pin or screw.
- H-3-9: Small metal pin or screw.
- H-3-10: Small metal plate with mounting holes.
- H-3-11: Small metal plate with mounting holes.
- H-3-12: Small metal pin or screw.
- H-3-13: Small metal plate with mounting holes.
- H-3-14: Small metal plate with mounting holes.
- H-3-15: Small metal pin or screw.
- H-3-16: Small metal pin or screw.
- H-3-17: Small metal pin or screw.

The assembly process is shown in a series of steps, with dashed lines indicating the placement of components. The final assembly is shown at the bottom, with dashed lines indicating the internal structure and mounting points.

Note

[illegible]

H-4



Note

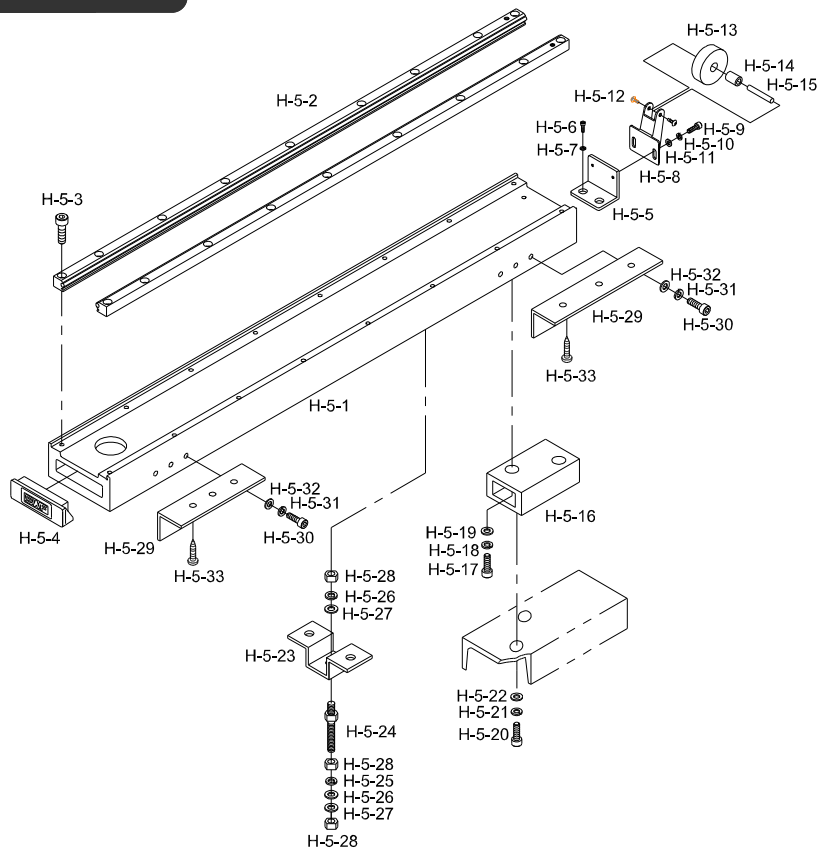
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-4-1	04200100I004	Y-Axis Frame L=638				4	
H-4-2	15030AD-B021	Y Cam Roller Guide Rail L=633				8	
H-4-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				40	
H-4-4	GP-010315-00	Y- Frame Support Plate	Jun.29.05	X		8	
H-4-5	15019SC-4113	Hex. Socket Bolt (M8*L40)			○	32	
H-4-6	15095SW-3115	Spring Washer (@8)			○	32	
H-4-7	04029SW-A001	Stud Bolt Washer(S) (@8)			○	32	
H-4-8	15046EL-CT01	Xy-Sensor Assy				2	
H-4-9	07018SC-8118	Plus Screw (M3*L8)			○	2	
H-4-10	06011SW-2111	Washer (@3)			○	2	
H-4-11	04000600F000	Perception Sensor Bracket X,Y				2	
H-4-12	15120SC-A001	Position Adjusting Screw				2	
H-4-13	15056PR-B001	Square Washer				2	
H-4-14	04700100B000	Y-Drive Timing Pulley				4	
H-4-15	15042BR-A001	Needle Bearing (1210Zz)			○	8	
H-4-16	15046RB-A001	Driving Pin Washer (Tw1225)				8	
H-4-17	04104400B000	Timing Pulley Driving Pin				4	
H-4-18	03022SC-4517	Hex. Socket Set Screw(M4*L5)			○	8	
H-4-19	04000640I000	TIMING PULLEY BRACKET (C)				4	
H-4-20	15028SC-1111	Hex. Bolt (M6*L20)			○	12	
H-4-21	03026SW-9115	Spring Washer (@6)			○	12	
H-4-22	08057SW-1111	Washer (@6)			○	12	
H-4-23	15024CW-A001	Timing Pulley Tension Base(N)				4	
H-4-24	14060AF-4517	Hex.Socket Screw(M6*L6)			○	8	
H-4-25	15004CL-B001	Y Adjusting Shaft Guide (A)				4	
H-4-26	15005CL-B001	Y Adjusting Shaft Guide (B)				4	
H-4-27	16059SC-7113	Hex.Socket Bolt (M6*L12)			○	24	
H-4-28	15006CL-B001	Adjusting Shaft Stopper				4	
H-4-29	14006SC-7113	Hex.Socket Set Screw(M8*L15)			○	8	
H-4-30	15033CW-B001	Cam Rollar Screw "B"				4	
H-4-31	14061AF-4517	Hex.Socket Screw(M8*L8)			○	4	
H-4-32	04920000H000	SUPPORT ANGLE FOR TABLE "B" (SET)				2	
H-4-33	15051PR-H041	SUPPORT ANGLE FOR TABLE "B-1"				2	
H-4-34	04010MC-7113	HEX.SOCKET BOLT (M4*L10)			○	64	
H-4-35	18014SW-3115	SPRING WASHER (@4-NO2)			○	64	
H-4-36	18015SW-3111	WASHER (4@)			○	64	
H-4-37	15052CW-B041	SUPPORT ANGLE BRACKET TABLE				8	

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Note

[illegible]

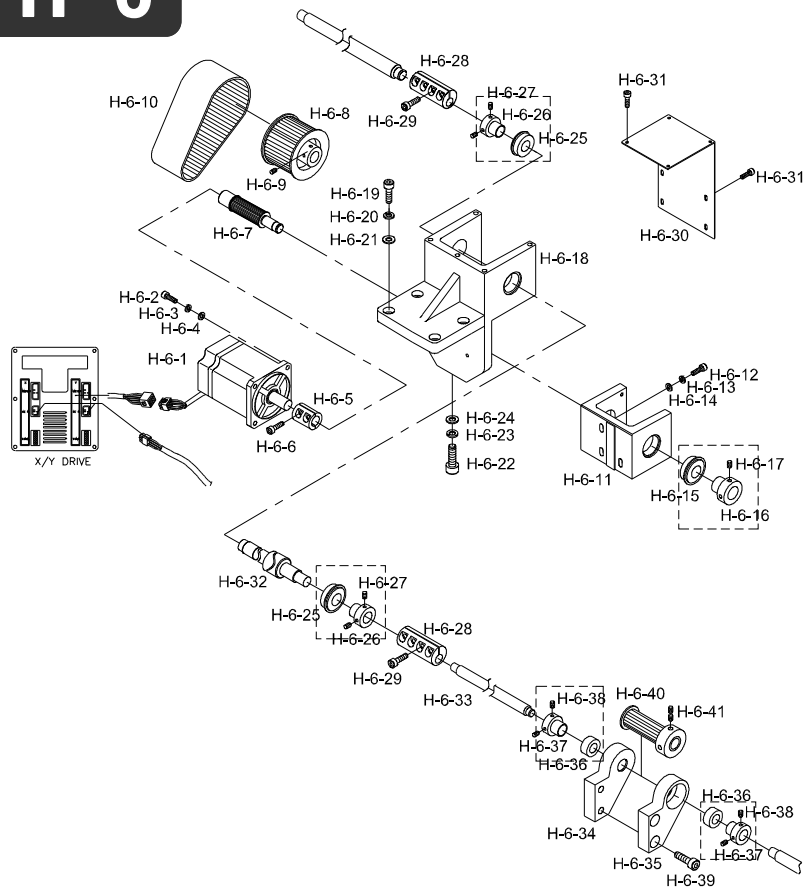
H-5



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-5-1	08400310H004	Y-Axis Frame (F) L=614				4	
H-5-2	15037AD-BE11	Cam Roller Guide Rail (L=614)				8	
H-5-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				40	
H-5-4	15092RB-B001	V-RAIL SUPPORT RUBBER CAP				4	
H-5-5	GP-013196-00	Support Bracket	Nov.10.05	X		4	
H-5-6	14006SC-4113	Hex/ Socket Bolt (M8*L15)			○	8	
H-5-7	15077SW-2111	Washer (@8)			○	8	
H-5-8	GP-006914-00	Roller Bracket	Jan.12.05	X		4	
	GP-006914-01	Roller Bracket	Jun.02.05	△		4	
	GP-006914-02	Roller Bracket	May.03.06	△		4	
H-5-9	02015SC-7113	Hex.Socket Bolt(M4*L10)			○	8	
H-5-10	18014SW-3115	Spring Washer (@4-No2)			○	8	
H-5-11	18015SW-3111	Washer (4@)			○	8	
H-5-12	09005SC-3123	Truss Screw (M3*L6)			○	4	
H-5-13	GP-006917-00	Guide Roller	Jan.12.05	X		4	
	GP-006917-01	Guide Roller	Jun.02.05	△		4	
H-5-14	GP-006918-00	Guide Roller Bushing	Jan.12.05	X		4	
	GP-006918-01	Guide Roller Bushing	Jun.02.05	△		4	
H-5-15	PN-000133-00	Roller Pin				4	
H-5-16	15095AD-B001	Spacer				4	
H-5-17	14006SC-7113	Hex.Socket Set Screw(M8*L15)			○	8	
H-5-18	15095SW-3115	Spring Washer (@8)			○	8	
H-5-19	04029SW-A001	Stud Bolt Washer(S) (@8)			○	8	
H-5-20	15020SC-4113	Hex,Socket Bolt (M8*L50)			○	8	
H-5-21	15095SW-3115	Spring Washer (@8)			○	8	
H-5-22	04029SW-A001	Stud Bolt Washer(S) (@8)			○	8	
H-5-23	15097PR-B001	Stud Bracket				4	
H-5-24	15096CW-B001	Stud Bolt (M8*L90)				4	
H-5-25	15095SW-3115	Spring Washer (@8)			○	12	
H-5-26	04029SW-A001	Stud Bolt Washer(S) (@8)			○	8	
H-5-27	04030SW-A001	Stud Bolt Washer(L) (@8)			○	4	
H-5-28	04032SN-A001	Hex. Nut (M8-No2)			○	12	
H-5-29	15093AD-B001	Table Support				8	
H-5-30	18047SC-7113	Hex/ Socket Bolt (M5*L15)			○	16	
H-5-31	18048SW-3115	Spring Washer (5@)			○	48	
H-5-32	18049SW-3111	Washer (@5)			○	48	
H-5-33	16010SC-8330	Tapping Screw (M6*L25)			○	48	

H-6



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-6-1	DMPE2-000001	Y-Driving Motor (SFAM-1000-003)				1	
H-6-2	06025MC-7113	Hex.Socket Bolt (M6*L25)			○	4	
H-6-3	15095SW-3115	Spring Washer (@8)			○	4	
H-6-4	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-6-5	04001700H000	Driving Shaft Coupling				1	
H-6-6	08091SC-7113	Hex.Socket Bolt (M6*L20)			○	2	
H-6-7	DPL-BC006401	Y-Axis Timing Pulley				1	
H-6-8	04100330I000	TIMMING PULLEY(72-S5M-050)				1	
H-6-9	14061AF-4517	Hex.Socket Screw (M8*L8)			○	8	
H-6-10	04100410I000	TIMMING BELT (50-S5M-475)				1	
H-6-11	04002000I000	Y-Motor Bracket				1	
H-6-12	06025MC-7113	Hex.Socket Bolt (M6*L25)			○	3	
H-6-13	15095SW-3115	Spring Washer (@8)			○	3	
H-6-14	04029SW-A001	Stud Bolt Washer(S) (@8)			○	3	
H-6-15	02-009A-8180	BALL BEARING 6004NR			○	1	
H-6-16	04003500B000	Needle Bearing Collar				1	
H-6-17	14060AF-4517	Hex.Socket Set Screw (M5*L5)			○	2	
H-6-18	04002200I000	Y-MOTER BASE				1	
H-6-19	06025MC-7113	Hex.Socket Bolt (M6*L25)			○	4	
H-6-20	15095SW-3115	Spring Washer (@8)			○	4	
H-6-21	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-6-22	15019SC-4113	Hex. Socket Bolt (M8*L40)			○	1	
H-6-23	15095SW-3115	Spring Washer (@8)			○	1	
H-6-24	04029SW-A001	Stud Bolt Washer(S) (@8)			○	1	
H-6-25	02-009A-8180	Ball Bearing 6004NR			○	2	
H-6-26	03005210H000	Collar "A"				2	
H-6-27	14060AF-4517	Hex.Socket Screw (M6*L6)			○	4	
H-6-28	GP-044599-00	COUPLING @20	Dec,23,08 ~	X		2	
H-6-29	15105SC-7113	HEX.SOCKET BOLT (M4*L15)			○	4	
H-6-30	12002000I000	Y-Axis Servo Motor Cover A				1	
H-6-31	18033SC-3123	Truss Screw (M5*L6)			○	8	
H-6-32	04200200I000	Y-Driving Pulley Shaft				1	
H-6-33	GP-015325-00	Y-Driving Shaft C	Feb.16.06	X		1	
H-6-34	04000650I000	TIMING PULLEY BRACKET (L)				4	
H-6-35	04000660I000	TIMING PULLEY BRACKET (R)				4	
H-6-36	04000630I000	Needle Bearing (Nk18/16A)			○	8	
H-6-37	04003500I000	NEEDLE BEARING COLLAR				8	

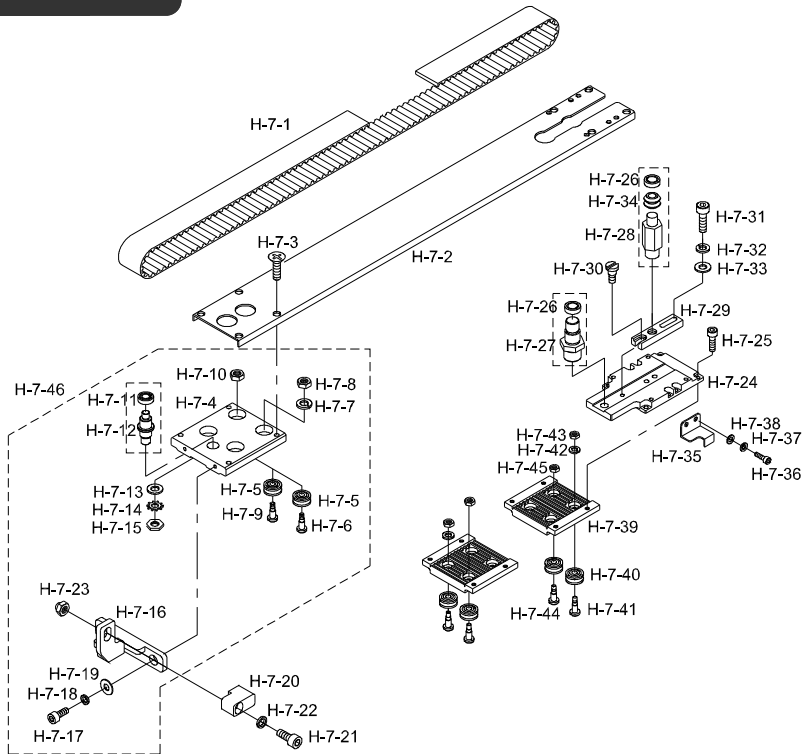
H-6

This exploded view diagram illustrates the assembly of the H-6 unit. The components are labeled with part numbers and their assembly sequence is indicated by dashed lines and numbers in parentheses. The assembly starts with the X/Y DRIVE (H-6-1) and the H-6-2 assembly, which are connected to the H-6-3 and H-6-4 components. The H-6-10 component is then attached to the H-6-8 component. The H-6-7 component is connected to the H-6-9 component. The H-6-19, H-6-20, and H-6-21 components are then attached to the H-6-10 component. The H-6-28 component is then attached to the H-6-29 component. The H-6-27, H-6-26, and H-6-25 components are then attached to the H-6-28 component. The H-6-31 component is then attached to the H-6-30 component. The H-6-18 component is then attached to the H-6-11 component. The H-6-24, H-6-23, and H-6-22 components are then attached to the H-6-18 component. The H-6-12, H-6-13, and H-6-14 components are then attached to the H-6-11 component. The H-6-15, H-6-16, and H-6-17 components are then attached to the H-6-11 component. The H-6-32 component is then attached to the H-6-25 component. The H-6-27, H-6-26, and H-6-25 components are then attached to the H-6-32 component. The H-6-28 component is then attached to the H-6-29 component. The H-6-33 component is then attached to the H-6-37 component. The H-6-38, H-6-40, and H-6-41 components are then attached to the H-6-33 component. The H-6-36, H-6-34, and H-6-35 components are then attached to the H-6-33 component. The H-6-36, H-6-37, and H-6-38 components are then attached to the H-6-34 component. The H-6-39 component is then attached to the H-6-35 component.

Note



H-7

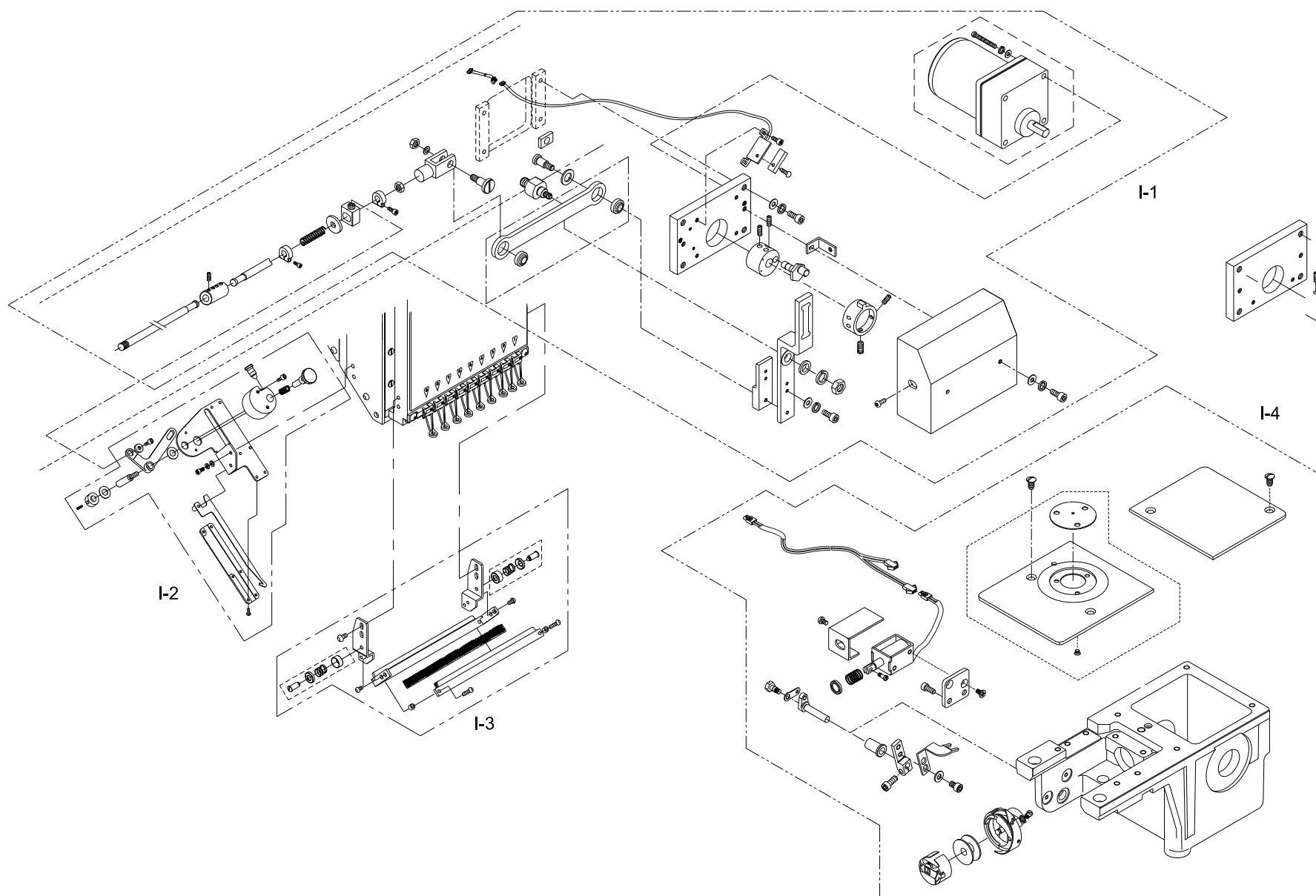


Note

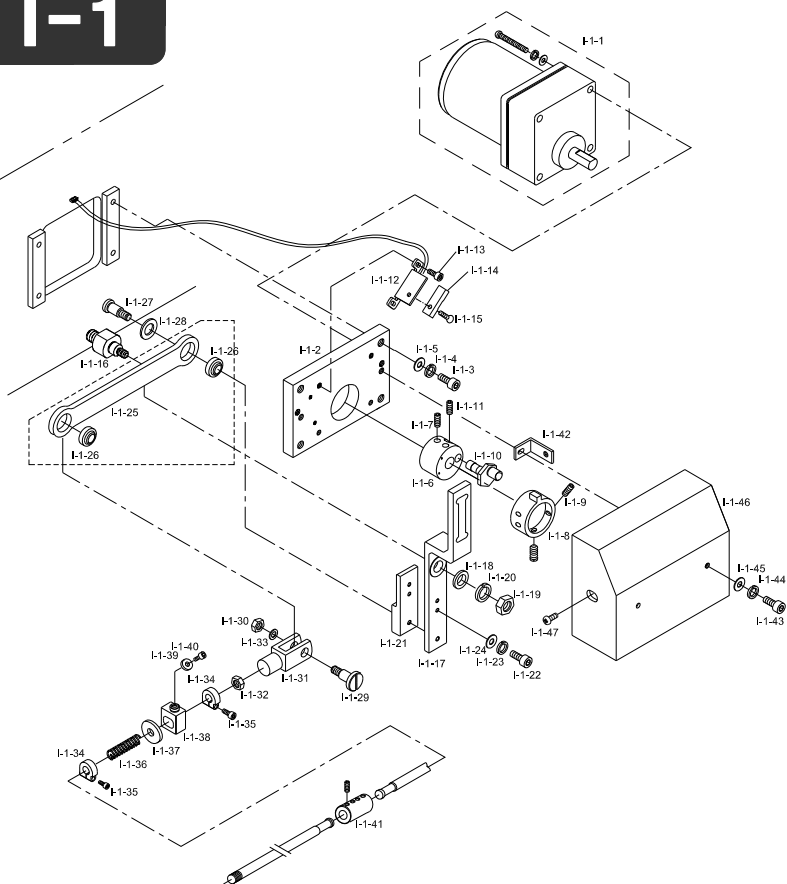
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-7-1	04000500HD00	Y-Drive Timing Belt (W:48)				4	
H-7-2	08000600I004	Joint Cover For Bearing Block				4	
H-7-3	15084SC-7119	C.S Screw (M4*L6)			○	32	
H-7-4	08400400I000	Y-Axis Bearing Block (F)				4	
H-7-5	15001BR-B001	Cam Roller Bearing				16	
H-7-6	15002CW-B001	Cam Roller Stud (A)				8	
H-7-7	02028SW-9115	Spring Washer (@4)			○	8	
H-7-8	15029SN-3211	Hex. Nut (M4-No2)			○	8	
H-7-9	15003CW-B001	Cam Roller Stud (B)				8	
H-7-10	12010SN-1211	Hex.Nut (M5)			○	8	
H-7-11	15077BR-B001	Ball Bearing (Lr606Nppu)			○	4	
H-7-12	08400110H000	Y-Rail Guide Shaft (Front-A)				4	
H-7-13	15077SW-2111	Washer (8@-S)			○	4	
H-7-14	15078SW-8113	Toothed Lock Washer (@8)			○	4	
H-7-15	15079SN-2311	Rail Guide Shaft Nut				4	
H-7-16	GP-021541-00	Frame Injured Prevent Bracket	Sep.14.06	X		4	
H-7-17	02015SC-7113	Hex.Socket Bolt(M4*L10)			○	8	
H-7-18	18014SW-3115	Spring Washer (@4-No2)			○	8	
H-7-19	18015SW-3111	Washer (4@)			○	8	
H-7-20	GP-021542-00	Block For Surface Prevention	Sep.14.06	X		4	
	GP-021542-01	Block For Surface Prevention	Dec.22.06	△		4	
H-7-21	15105SC-7113	HEX.SOCKET BOLT (M4*L15)			○	4	
H-7-22	WS-000221-00	Washer(@4)	Sep.15.06	X	○	4	
H-7-23	04000MN-8213	CAP NUT				4	
H-7-24	04000900I000	Y-Axis Bearing Block (Rear)				4	
H-7-25	15067SC-A001	Hex.Socket Bolt (M4*L7)			○	32	
H-7-26	15077BR-B001	Ball Bearing (Lr606Nppu)			○	8	
H-7-27	15098CW-A001	RAIL GUIDE PIN "B"				4	
H-7-28	15097CW-A001	RAIL GUIDE PIN "A"				4	
H-7-29	GP-006299-00	ADJUSTING BLOCK FOR BEARING	Dec.18.04	X		4	
H-7-30	15074SC-A001	Stopper Stud				4	
H-7-31	03016SC-4113	Hex. Socket Bolt (M5*L15)			○	8	
H-7-32	18048SW-3115	Spring Washer (@5)			○	8	
H-7-33	WS-000083-00	@5 - Washer	Dec.20.04	X	○	8	
H-7-34	18111CW-B001	Frame 'E' Roller				4	
H-7-35	04000800H000	Sensor Plate "Y"				1	
H-7-36	22006SC-7113	Hex. Socket Bolt (M3*L8)			○	2	

[illegible]

Setting



I-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-1-1	03003100H000	Upper Thread Hook Motor Unit				1	
I-1-2	GP-046540-00	Motor Base	Jun.09.09 ~ Jul.08.10	X		1	
	GP-046540-01		Jul.08.10 ~	△			
I-1-3	06025MC-7113	Hex.Socket Bolt(M6*L25)			○	4	
I-1-4	16014SW-4115	Spring Washer (@6)			○	4	
I-1-5	08057SW-1111	Washer (@6)			○	4	
I-1-6	03003300H000	Cam Shaft Fixing Block				1	
I-1-7	05008MC-4517	Hex.Socket Bolt(M5*L8)			○	2	
I-1-8	GP-005184-00	SENSOR SENSING ADJUSTING RING	Oct.14.04	X		1	
	GP-005184-01	SENSOR SENSING ADJUSTING RING	May.19.05	△		1	
I-1-9	04014SC-4517	Hex.Socket Set Screw(M5*L5)			○	2	
I-1-10	03003500H000	Motor Driving Cam Shaft				1	
I-1-11	04014SC-4517	Hex.Socket Set Screw(M5*L5)			○	1	
I-1-12	GP-015085-00	UPPER THREAD HOOK SENSOR BASE		X		1	
I-1-13	07035SC-7113	Bracket Screw (M3*L6)			○	2	
I-1-14	15-027A-2070	SENSOR				1	
I-1-15	27076SC-8119	Plus Screw (M3*L12)			○	1	
I-1-16	SC-001729-00	Stud Bolt for Driving Plate	Jun.03.09 ~ Apr.20.10	X		1	
	SC-001729-01		Apr.20.10 ~ Jul.08.10	△			
	SC-001729-02		Jul.08.10 ~	△			
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	13042SN-1111	Hex.Nut (M6*T5-R)			○	1	
I-1-20	16014SW-4115	Spring Washer (@6)			○	1	
I-1-21	03004110H000	Driving Plate Block B				1	
I-1-22	18047SC-7113	Hex.Socket Bolt (M5*L15)			○	1	
I-1-23	18048SW-3115	Spring Washer (@5)			○	1	
I-1-24	18049SW-3111	Washer (@5)			○	1	
I-1-25	GP-044787-00	Motor Driving Connect Plate	Jan,13,09 ~	X		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	SC-001605-00	Connecting Plate Stud Screw	Jan,13,09 ~	X		1	
I-1-30	13042SN-1111	Hex.Nut (M6*T5-R)			○	1	
I-1-31	03004800H000	Connecting Plate Knuckle				1	
I-1-32	04032SN-A001	Hex. Nut (M8-No2)			○	1	
I-1-33	18015SW-3111	Washer (4@)			○	40	
I-1-34	03002610H000	Return Spring Stopper				40	
I-1-35	05026SC-H001	Hex. Socket Bolt (M4*L10)			○	40	
I-1-36	03002700H000	Return Spring				20	

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

- I-1-1**: The main cylindrical component, shown in a dashed box at the top right.
- I-1-2**: A rectangular plate with a central circular hole, shown in a dashed box in the center.
- I-1-3** through **I-1-15**: Various bolts, nuts, and washers used to secure the main component and the central plate.
- I-1-16** through **I-1-28**: A series of components including a long rod, a spring, and various nuts and washers, shown in a dashed box on the left.
- I-1-29** through **I-1-41**: A series of components including a long rod, a spring, and various nuts and washers, shown in a dashed box at the bottom.
- I-1-42** through **I-1-46**: A series of components including a large rectangular block, a spring, and various nuts and washers, shown in a dashed box on the right.

The diagram uses dashed lines to indicate the assembly sequence 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.

Note



Note	
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I-3

This diagram illustrates the exploded view of the I-3 door hinge assembly. The main components are shown in their relative positions for installation:

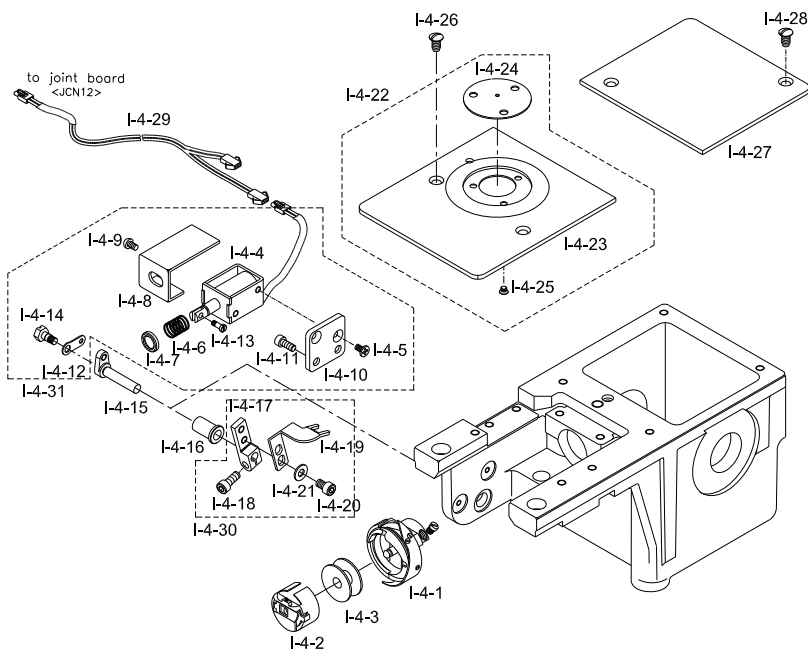
- I-3-1:** The central hinge body, featuring a black brush seal.
- I-3-2:** The upper hinge arm.
- I-3-3:** The lower hinge arm.
- I-3-4:** Screws used to secure the hinge arms to the door.
- I-3-5:** Screws used to secure the hinge arms to the frame.
- I-3-6:** The upper hinge plate.
- I-3-7:** The lower hinge plate.
- I-3-8:** Screws for mounting the hinge plates to the door.
- I-3-9:** Screws for mounting the hinge plates to the frame.
- I-3-10:** Springs that provide tension to the hinge mechanism.
- I-3-11:** The door frame, showing the hinge location and the door's position.

The diagram shows the hinge assembly being installed onto a door frame. The door is shown in a closed position, and the hinge is being mounted to the frame. The exploded view shows the various components of the hinge, including the main body, arms, plates, screws, and springs, and their relative positions for installation.

Note



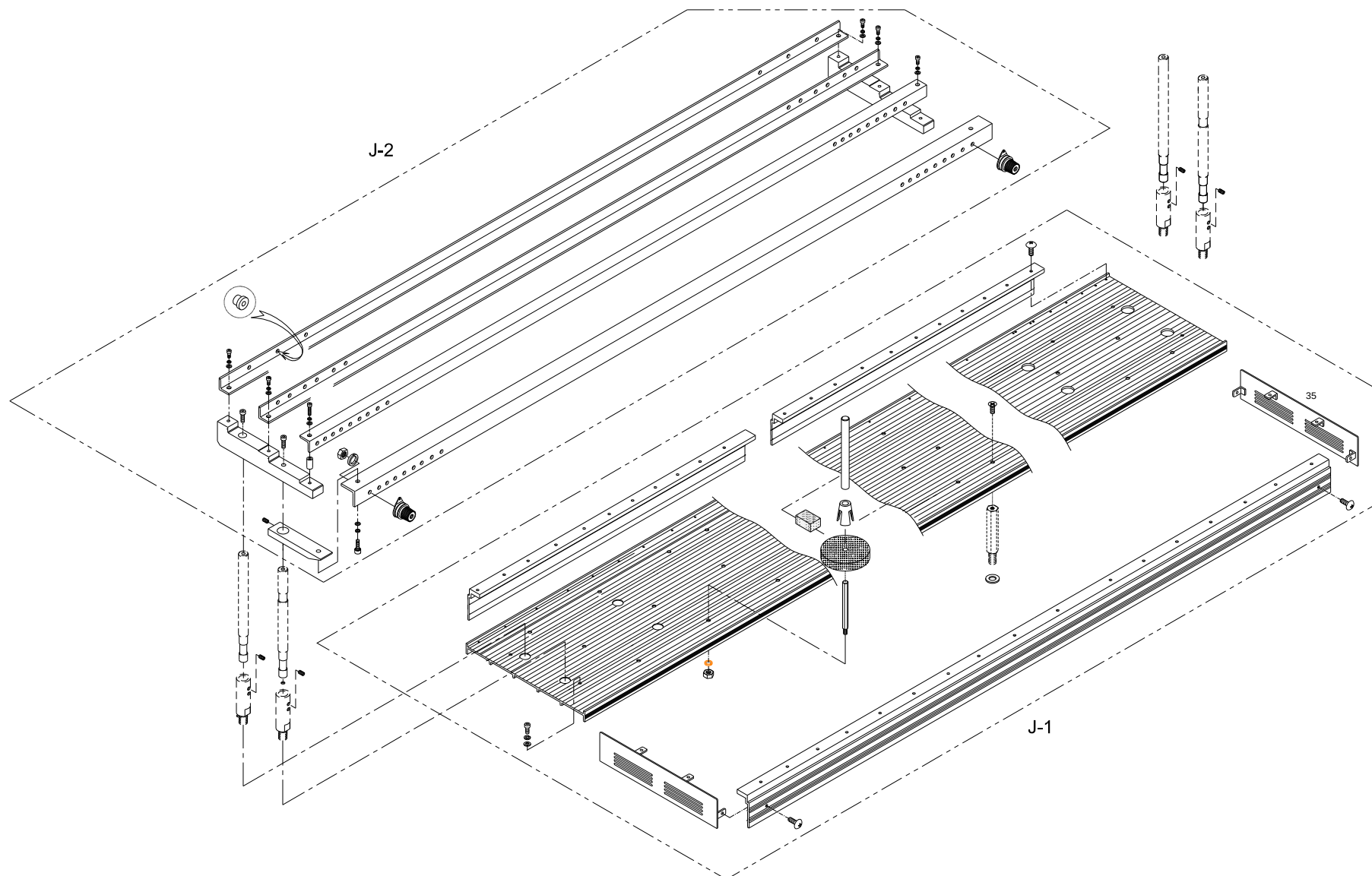
I-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-4-1	04033AF-H002	Rotary Hook			○	20	
	04033AF-H004	Rotary Hook (Option)			○	20	
I-4-2	04034AF-A001	Bobbin Case Set			○	20	
	04034AF-H003	Bobbin Case Set (Option)			○	20	
I-4-3	04035AF-A001	Bobbin			○	20	
	04035AF-H003	Bobbin (Option)			○	20	
I-4-4	10009EL-A001	Picker Sol. Set				20	
I-4-4	10009EL-A001	Picker Sol. Set				40	
I-4-5	10010SC-8119	Plus Screw (M3*L5)			○	20	
I-4-6	10011SP-A001	Sol. Spring				20	
I-4-7	10012RB-A001	Cushion Washer				20	
I-4-8	10013PM-A001	Picker Sol. Cover				40	
I-4-9	06010AF-8118	Plus Screw(M3*L4)			○	20	
I-4-10	10015PR-A001	Picker Sol. Base				40	
I-4-11	02023SC-7113	Hex. Socket Bolt (M4*L8)			○	20	
I-4-12	10019PR-A001	Connecting Link				20	
I-4-13	10021SC-A001	Sol. Stud Screw				20	
I-4-14	10020SC-A001	Connecting Link Stud Screw				20	
I-4-15	10006FU-A001	Picker Connecting Crank				20	
I-4-16	08015PM-A001	Bushing				20	
I-4-17	10004CW-A001	Picker Holder				20	
I-4-18	02023SC-7113	Hex. Socket Bolt (M4*L8)			○	20	
I-4-19	10001AF-A001	Picker				40	
I-4-20	02014SC-7113	Hex. Socket Bolt (M4*L5)			○	40	
I-4-21	06003SW-2111	Washer (@4)			○	20	
I-4-22	12000110H000	Needle Plate Set @2.0				20	
I-4-23	GP-008997-00	Needle Plate	Apr.30.05	X		20	
I-4-24	12000410B000	Needle Plate Attachment @2.0				60	
I-4-25	04007SC-A001	Cushion Cover Screw (M3*L2.3)				40	
I-4-26	04004AF-A001	Needle Plate Screw				20	
I-4-27	LBH-BJ000100	Hook Base Cover	Apr,05,11 ~			40	
	LBH-BJ000101		Sep,14,11 ~				
	LBH-BJ000102		Jan,26,12 ~				
I-4-28	04004AF-A001	Needle Plate Screw				40	
I-4-29	02102000HDK2	Picker Sol.Connet From J/B				1	
I-4-30	AS-008142-00	Picker Assy	Jan,28,08 ~			20	
I-4-31	10009EL-A001	Picker Sol Assy				20	

Spool



J-1

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

- J-1-1**: Main ceiling panel with a grid pattern.
- J-1-2**: Longitudinal support beam.
- J-1-3**: Transverse support beam.
- J-1-4**: Small circular fastener.
- J-1-5**: Small circular fastener.
- J-1-6**: Small circular fastener.
- J-1-7**: Longitudinal support beam with a grid pattern.
- J-1-8**: Small circular fastener.
- J-1-9**: Small circular fastener.
- J-1-10**: Small rectangular fastener.
- J-1-11**: Longitudinal support beam with a grid pattern.
- J-1-12**: Small rectangular fastener.
- J-1-13**: Small circular fastener.
- J-1-14**: Longitudinal support beam with a grid pattern.
- J-1-15**: Small circular fastener.
- J-1-16**: Longitudinal support beam with a grid pattern.
- J-1-17**: Longitudinal support beam with a grid pattern.
- J-1-18**: Longitudinal support beam with a grid pattern.
- J-1-19**: Longitudinal support beam with a grid pattern.
- J-1-20**: Longitudinal support beam with a grid pattern.
- J-1-21**: Longitudinal support beam with a grid pattern.
- J-1-22**: Longitudinal support beam with a grid pattern.
- J-1-23**: Longitudinal support beam with a grid pattern.
- J-1-24**: Longitudinal support beam with a grid pattern.
- J-1-25**: Small rectangular fastener.
- J-1-26**: Small rectangular fastener.

The diagram shows the assembly sequence for the J-1 ceiling system, including the main panel, support beams, and various fasteners.

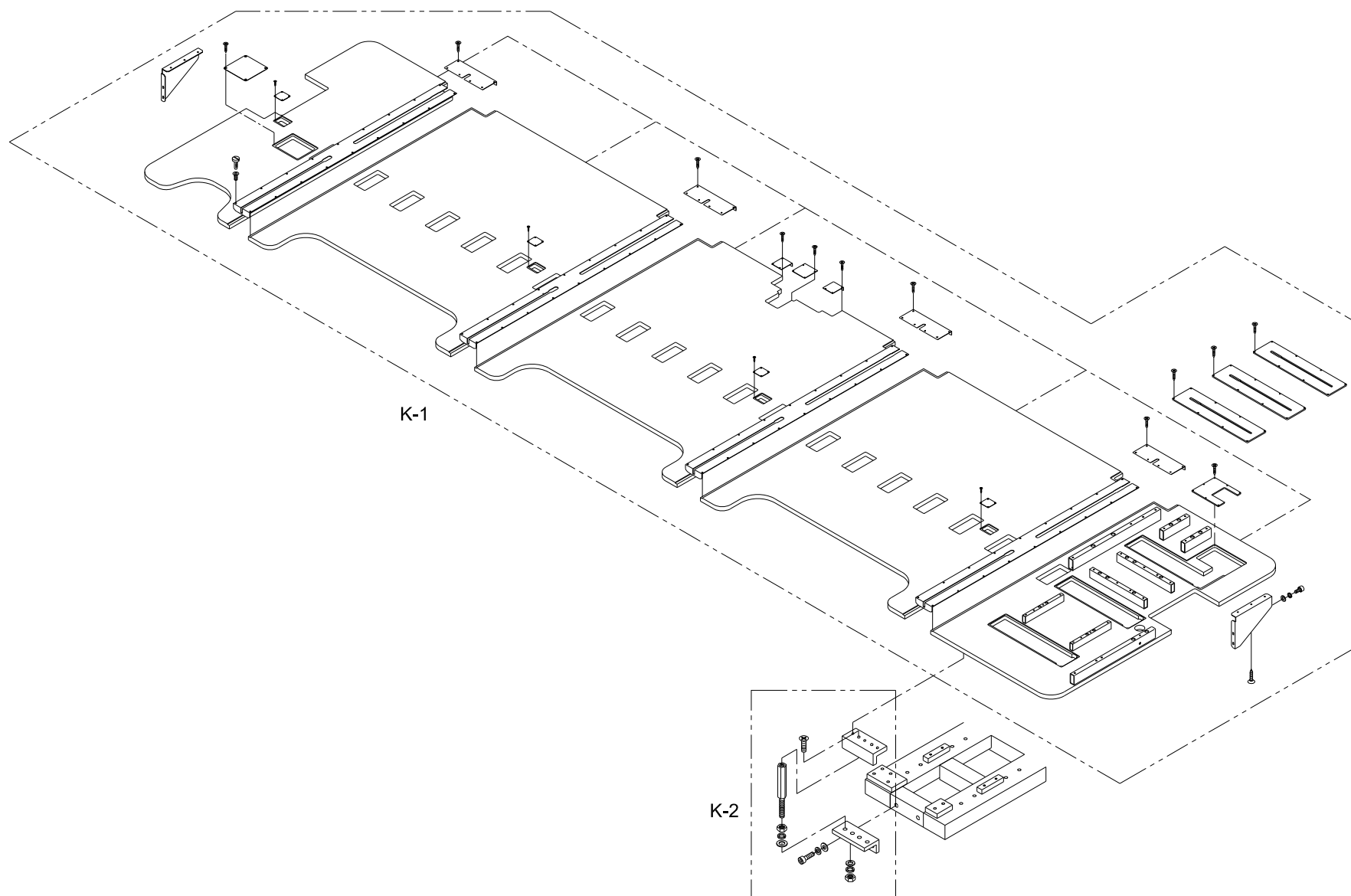
Note



Note

J

Work Table



K-1

This exploded view diagram illustrates the assembly of the K-1 electronic device. The main chassis, labeled K-1-1, serves as the base for various components. Key parts include:

- Top Deck Assembly:** Consists of K-1-13 (top plate), K-1-26 (mounting bracket), K-1-25 (component), K-1-28 (screw), K-1-27 (component), K-1-20 (component), and K-1-21 (component).
- Front Panel Assembly:** Includes K-1-7 (component), K-1-14 (screw), K-1-15 (component), K-1-29 (component), and K-1-1.
- Internal Components:** K-1-2 (component), K-1-3 (component), K-1-4 (component), K-1-5 (component), K-1-6 (component), K-1-8 (component), K-1-9 (component), K-1-10 (component), K-1-11 (component), K-1-12 (component), K-1-16 (component), K-1-17 (component), K-1-18 (component), K-1-19 (component), K-1-20 (component), K-1-21 (component), K-1-22 (component), K-1-23 (component), K-1-24 (component), and K-1-25 (component).

Arrows indicate the assembly sequence and the relative positions of the components.

Note



K-2

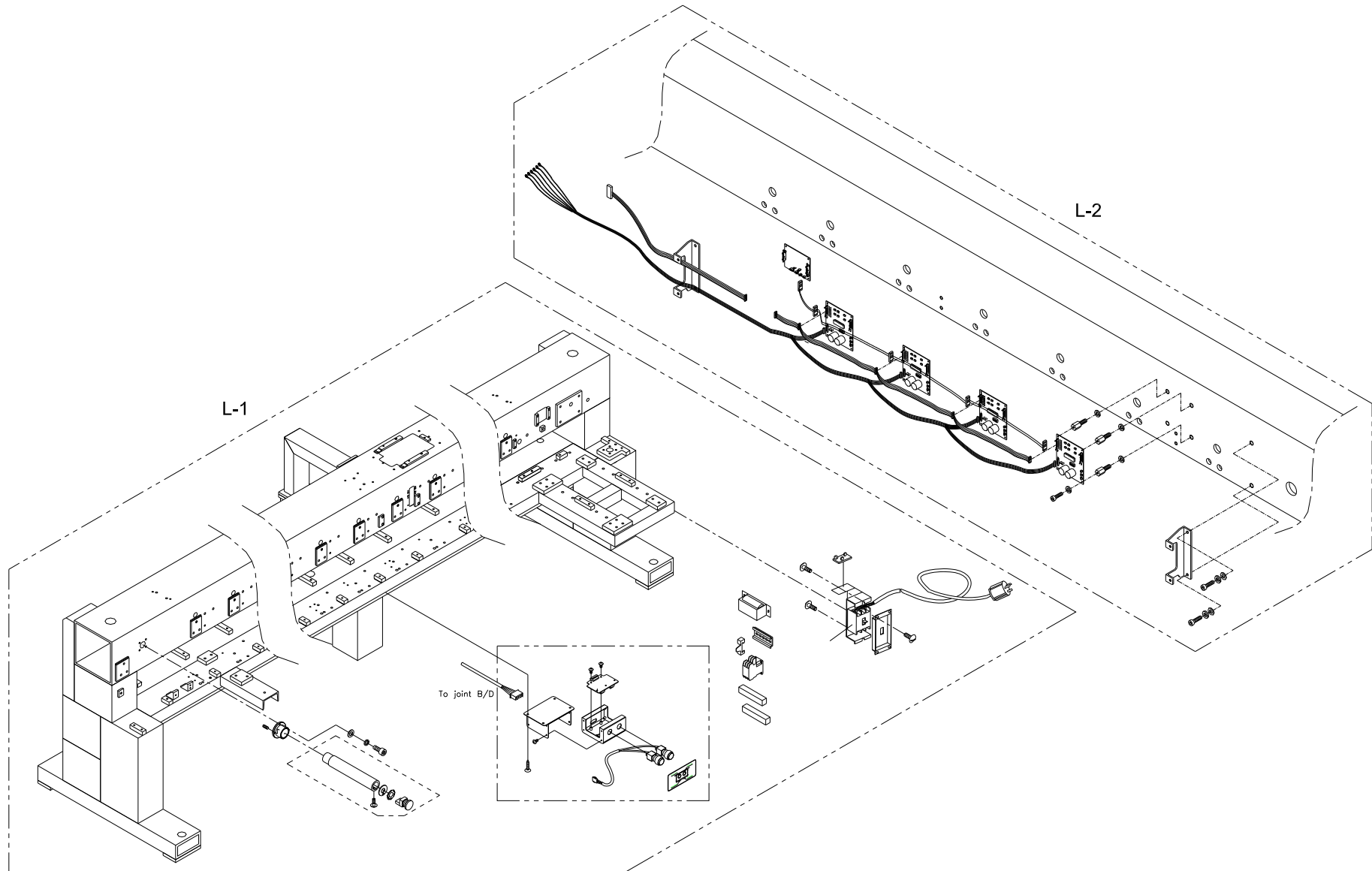
The diagram illustrates the assembly of the K-2 system. The main component is a large rectangular frame (K-2-1). Various smaller components are shown being attached to it:

- K-2-2**: A small rectangular plate with four holes, shown being attached to the top of the frame.
- K-2-3**: A long, thin rectangular plate with four holes, shown being attached to the side of the frame.
- K-2-4**: A small rectangular plate with four holes, shown being attached to the top of the frame.
- K-2-5**: A small circular component, shown being attached to the side of the frame.
- K-2-6**: A small circular component, shown being attached to the side of the frame.
- K-2-7**: A small circular component, shown being attached to the side of the frame.
- K-2-8**: A long, thin rectangular plate with four holes, shown being attached to the side of the frame.
- K-2-9**: A small circular component, shown being attached to the side of the frame.
- K-2-10**: A small circular component, shown being attached to the side of the frame.

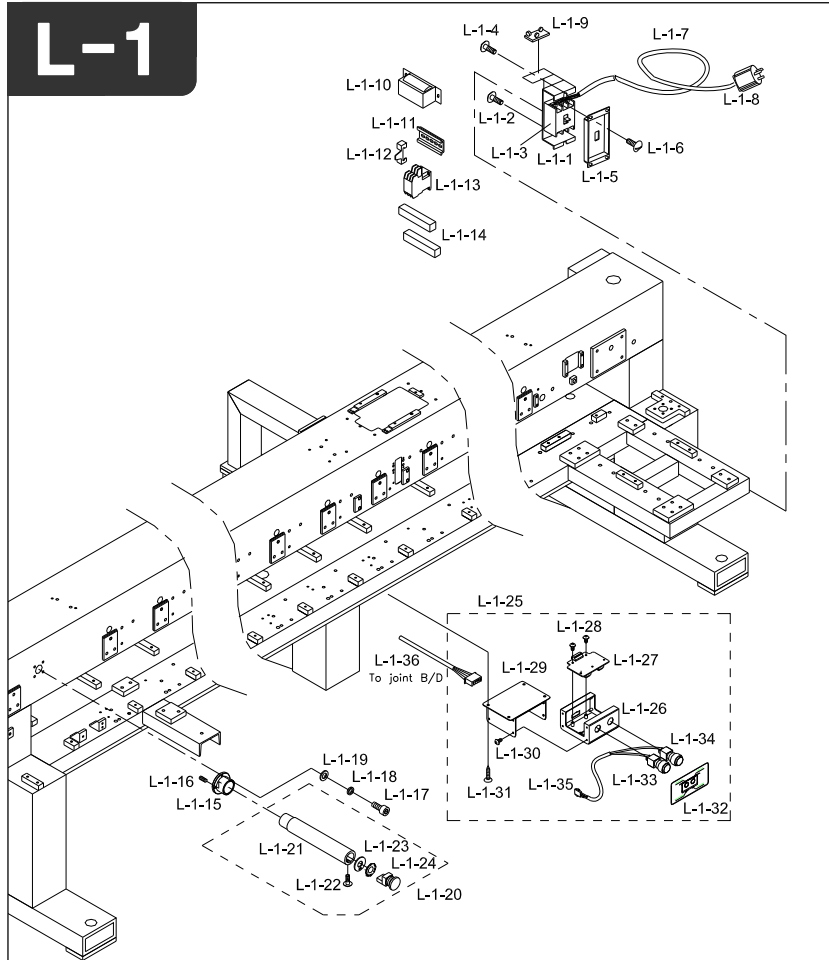
Note



Cable



L-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
L-1-1	09600100B000	MAIN POWER S/W BRACKET				1	
L-1-2	02038SC-9131	Plus Screw (M5*L10)			○	2	
L-1-3	24029ET-A001	MAIN POWER S/W (ABE53B-30A)				1	
L-1-4	02038SC-9131	Truss Screw (M5*L10)			○	2	
L-1-5	09000600B000	ON/OFF S/W BOX COVER				1	
L-1-6	02044SC-3123	Truss Screw (M5*L8)			○	4	
L-1-7	MH-01	MAIN POWER PLUG TO NFB INPUT				1	
L-1-8	24032ET-A001	PLUG 3P				1	
L-1-9	BD-000168-00	SURGE PROTECTOR	Jan.20.05	X		1	
	BD-000168-01	SURGE PROTECTOR	Apr.19.05	△		1	
	BD-000168-02	SURGE PROTECTOR	Jun.05.08	△		1	
L-1-10	05000210T000	TRANSFORMER (EMT25V) 1A/25.5V				1	
L-1-11	02000910T000	MAGNETIC S/W FIXED BRACKET				1	
L-1-12	02001300T000	BRACKET STOPPER (CE)				2	
L-1-13	02000100T000	MAGNETIC SWITCH SET				1	
L-1-14	09001400BT00	CEMENT RESISTANCE (4.7/20W)				2	
L-1-15	09000400B000	Guide Bush (A)				1	
L-1-16	04014SC-4517	Hex.Socket Set Screw(M5*L5)			○	3	
L-1-17	08091SC-7113	Hex. Socket Bolt (M6*L20)			○	4	
L-1-18	16014SW-4115	Spring Washer (@6)			○	4	
L-1-19	08057SW-1111	Washer (@6)			○	4	
L-1-20	09100000BT00	Emergency Switch (A) Set				1	
L-1-21	09100100B004	Emergency Switch Holder A				1	
L-1-22	02023SC-7113	Hex.Socket Bolt (M4*L8)			○	1	
L-1-23	09000500B000	Switch Plate				1	
L-1-24	09001000BT00	Emergency S/W				1	
L-1-25	SWF-00000344	Offset S/W Box Ass'y				4	
L-1-26	SP-008211-00	Offset S/W Box Base Cover				4	
L-1-27	BD-000177-00	Offset S/W Board	Apr.04.05	X		4	
L-1-28	10-028S-SC53	PEDAL PCB FIXING SCREW				16	
L-1-29	GP-008212-00	Offset S/W Box Top Cover	May.25.05	X		4	
L-1-30	09005SC-3123	Hex.Socket Bolt (M3*L6)			○	32	
L-1-31	19002SC-1330	Hex.Socket Bolt (ST4.2*L16)			○	16	
L-1-32	GP-008600-00	Offset Switch Sticker	Apr.13.05	X		4	
	GP-008600-01	Offset Switch Sticker	Jun.20.05	△		4	
L-1-33	EP-000020-00	Start Switch	May.13.05			4	
L-1-34	EP-000021-00	Stop Switch	May.13.05			4	

L-1

Exploded view diagram of the L-1 assembly, showing various components and their assembly sequence:

- L-1-10**: Small rectangular component.
- L-1-11**: Small rectangular component.
- L-1-12**: Small circular component.
- L-1-13**: Small rectangular component.
- L-1-14**: Small rectangular component.
- L-1-4**: Small rectangular component.
- L-1-9**: Small rectangular component.
- L-1-7**: Small rectangular component.
- L-1-8**: Small rectangular component.
- L-1-2**: Small rectangular component.
- L-1-3**: Small rectangular component.
- L-1-1**: Small rectangular component.
- L-1-5**: Small rectangular component.
- L-1-6**: Small rectangular component.
- L-1-15**: Small rectangular component.
- L-1-16**: Small rectangular component.
- L-1-17**: Small rectangular component.
- L-1-18**: Small rectangular component.
- L-1-19**: Small rectangular component.
- L-1-20**: Small rectangular component.
- L-1-21**: Small rectangular component.
- L-1-22**: Small rectangular component.
- L-1-23**: Small rectangular component.
- L-1-24**: Small rectangular component.
- L-1-25**: Small rectangular component.
- L-1-26**: Small rectangular component.
- L-1-27**: Small rectangular component.
- L-1-28**: Small rectangular component.
- L-1-29**: Small rectangular component.
- L-1-30**: Small rectangular component.
- L-1-31**: Small rectangular component.
- L-1-32**: Small rectangular component.
- L-1-33**: Small rectangular component.
- L-1-34**: Small rectangular component.
- L-1-35**: Small rectangular component.
- L-1-36**: Small rectangular component.

Note

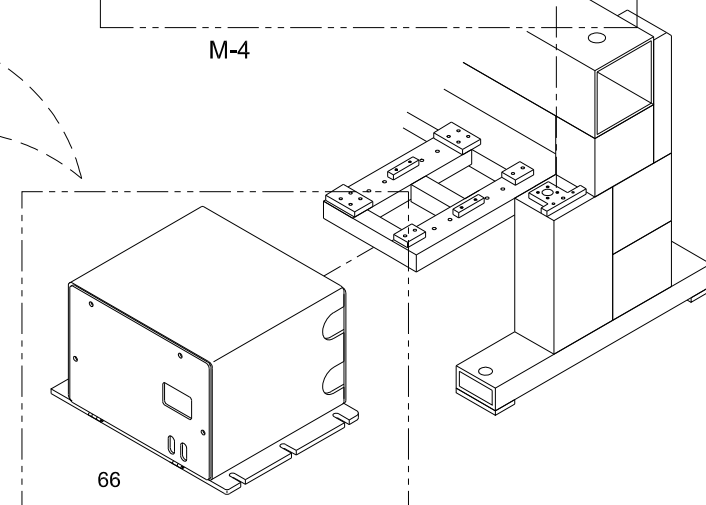
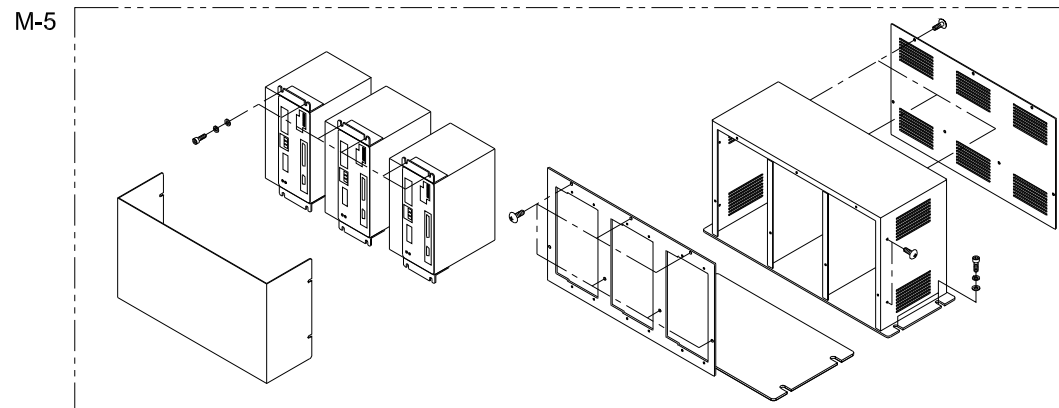
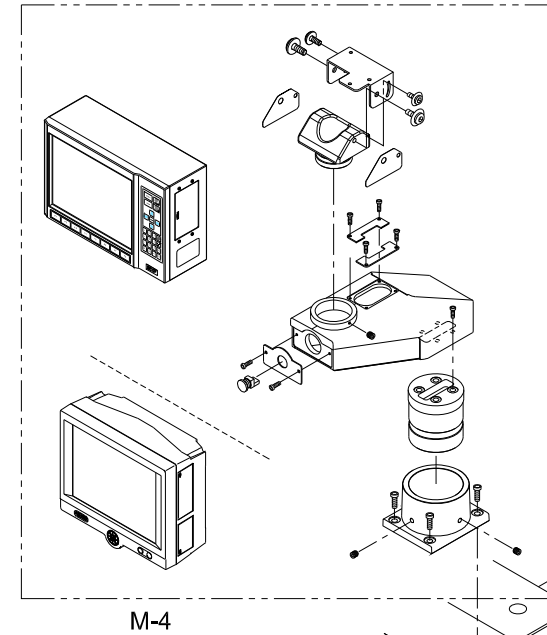
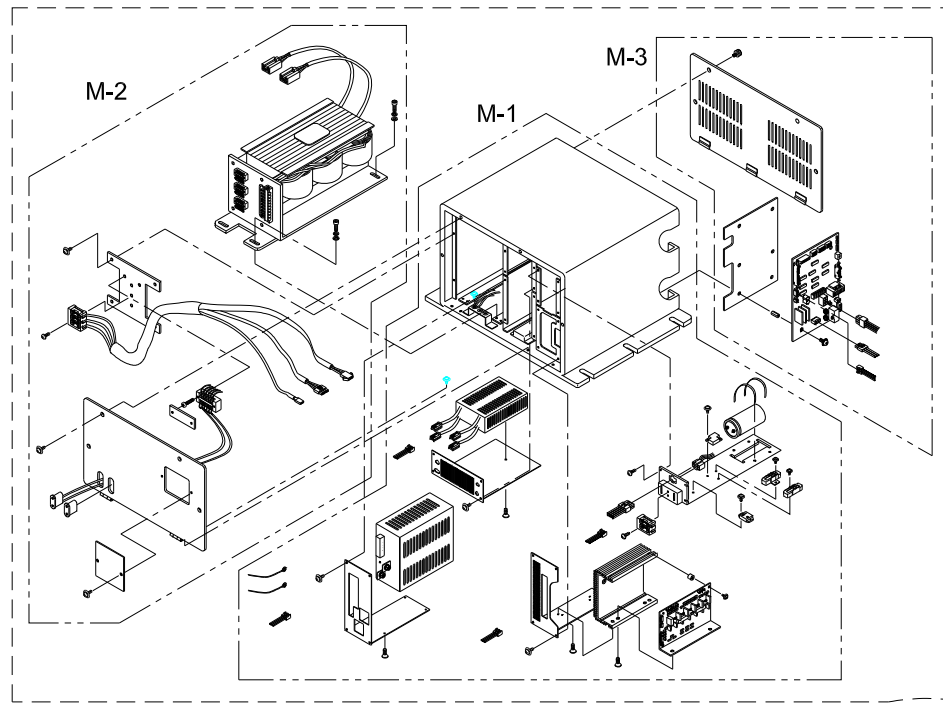
[illegible]

The diagram illustrates the L-2 cable system. A main cable, labeled L-2-5, runs along the top of the structure. It branches into several smaller cables, labeled L-2-6, L-2-7, L-2-2, L-2-4, L-2-3, L-2-1, L-2-12, L-2-11, L-2-14, L-2-13, L-2-10, L-2-9, and L-2-8. The cables are shown in a perspective view, with some cables running parallel to the main cable and others branching off at different angles. The diagram also shows the connection points of the cables to the structure, with some cables being connected to a central hub or junction box.

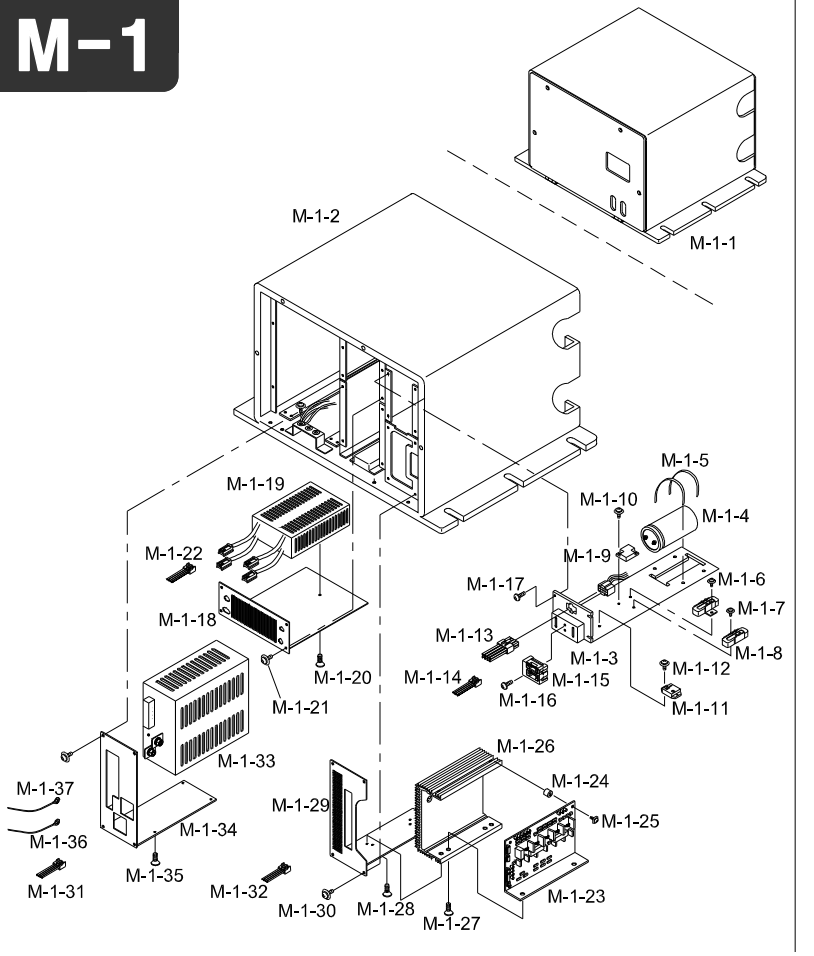
Note

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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-3B-HB	CONTROL BOX SET				1	
	SWF-00000328	CONTROL BOX SET (OPTION)				1	
	SWF-00000329	CONTROL BOX SET (OPTION)				1	
M-1-2	03-001A-SW66	Control Box				1	
M-1-3	03-014A-SW66	Condenser Fixed Plate				1	
M-1-4	05-002A-SW65	Condenser 33,000Uf				1	
M-1-5	06-018C-SW66	Cable Tie				4	
M-1-6	10-021M-SW66	Screw				1	
M-1-7	10-021M-SW66	Screw				2	
M-1-8	09-007A-SC53	Resistor				2	
M-1-9	05-010A-SW65	S20Vt80				1	
M-1-10	10-020M-SW66	Fixing Screw				2	
M-1-11	05-004A-SW65	Dieod S30Vt60				1	
M-1-12	07-005S-SM5S	Screw For Fdd (M3*L10)			○	2	
M-1-13	01-019M-SW66	Power Connect				2	
M-1-14	06-005C-SW66	Power Input Cable				1	
M-1-15	05-003B-SW65	Huse Holder				2	
M-1-16	10-031M-SW66	FUSE HOLDER FIXING SCREW				2	
M-1-17	07-005S-SN5S	Fixing Screw			○	4	
M-1-18	03-007A-SW66	Smpps Bracket				1	
M-1-19	06-025A-SW66	Smpps				1	
M-1-20	10-006M-SW66	Fixing Screw			○	4	
M-1-21	07-004S-SM5S	Encoder Fixing Screw (M4*L8)			○	4	
M-1-22	01-001B-MHS1	SMPS TO SMPS POWER IN EMB-1				1	
M-1-23	04-0000-CPT1	Trimming Motor Driver				1	
M-1-24	10-006M-PT10	Insulator Bushing For Cpu				2	
M-1-25	07-005S-SM5S	Screw For Fdd (M3*L10)			○	2	
M-1-26	01-101A-SW67	Heat Sink (T)				4	
M-1-27	10-006M-SW66	Screw (M4*L12)			○	2	
M-1-28	10-006M-SW66	Sccew (M3*L8)			○	1	
M-1-29	10-006A-HB10	TRIM DRIVER BRACKET (HB)				2	
M-1-30	10-018M-SW66	Screw (M4*L10)			○	4	
M-1-31	10-009B-HB10	+24V SMPS AC POWER (SE-HB-09)				1	
M-1-32	01-006B-MHS1	Power Connecting Cable				1	
M-1-33	10-001A-HB10	SMPS SS850-24				1	
M-1-34	10-007A-HB10	SMPS Bracket				1	
M-1-35	10-004M-SW68	FIXED SCREW			○	4	

M-1

Exploded view diagram of the M-1 unit, showing the following components and their assembly sequence:

- M-1-1**: Main unit housing.
- M-1-2**: Internal frame or support structure.
- M-1-3**: Mounting bracket.
- M-1-4**: Locking mechanism.
- M-1-5**: Locking pin.
- M-1-6**: Locking pin.
- M-1-7**: Locking pin.
- M-1-8**: Locking pin.
- M-1-9**: Locking pin.
- M-1-10**: Locking pin.
- M-1-11**: Locking pin.
- M-1-12**: Locking pin.
- M-1-13**: Locking pin.
- M-1-14**: Locking pin.
- M-1-15**: Locking pin.
- M-1-16**: Locking pin.
- M-1-17**: Locking pin.
- M-1-18**: Locking pin.
- M-1-19**: Locking pin.
- M-1-20**: Locking pin.
- M-1-21**: Locking pin.
- M-1-22**: Locking pin.
- M-1-23**: Locking pin.
- M-1-24**: Locking pin.
- M-1-25**: Locking pin.
- M-1-26**: Locking pin.
- M-1-27**: Locking pin.
- M-1-28**: Locking pin.
- M-1-29**: Locking pin.
- M-1-30**: Locking pin.
- M-1-31**: Locking pin.
- M-1-32**: Locking pin.
- M-1-33**: Locking pin.
- M-1-34**: Locking pin.
- M-1-35**: Locking pin.
- M-1-36**: Locking pin.
- M-1-37**: Locking pin.

Note



This exploded view diagram illustrates the assembly of the M-2000 power supply unit. The components are labeled as follows:

- M-2-1:** The main power supply unit with a fan and output connectors.
- M-2-2:** A cable with two connectors, one for the power supply and one for the system unit.
- M-2-3:** Screws used to secure the power supply unit to the mounting plate.
- M-2-4:** Screws used to secure the mounting plate to the system unit.
- M-2-5:** Screws used to secure the power supply unit to the mounting plate.
- M-2-6:** A mounting plate for the power supply unit.
- M-2-7:** A screw used to secure the mounting plate to the system unit.
- M-2-8:** A connector for the power supply unit.
- M-2-9:** A cable with multiple connectors for the power supply unit.
- M-2-10:** A cable with a connector for the power supply unit.
- M-2-11:** A cable with a connector for the power supply unit.
- M-2-12:** A connector for the power supply unit.
- M-2-13:** A cable with a connector for the power supply unit.
- M-2-14:** A mounting plate for the power supply unit.
- M-2-15:** A screw used to secure the mounting plate to the system unit.
- M-2-16:** A connector for the power supply unit.
- M-2-17:** A mounting plate for the power supply unit.
- M-2-18:** A screw used to secure the mounting plate to the system unit.
- M-2-19:** A screw used to secure the mounting plate to the system unit.

Note



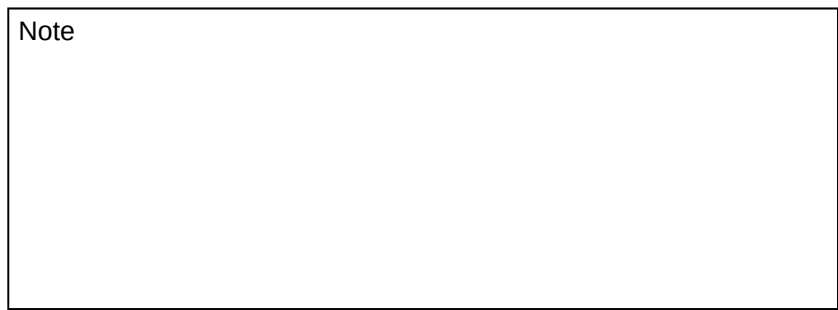
Note

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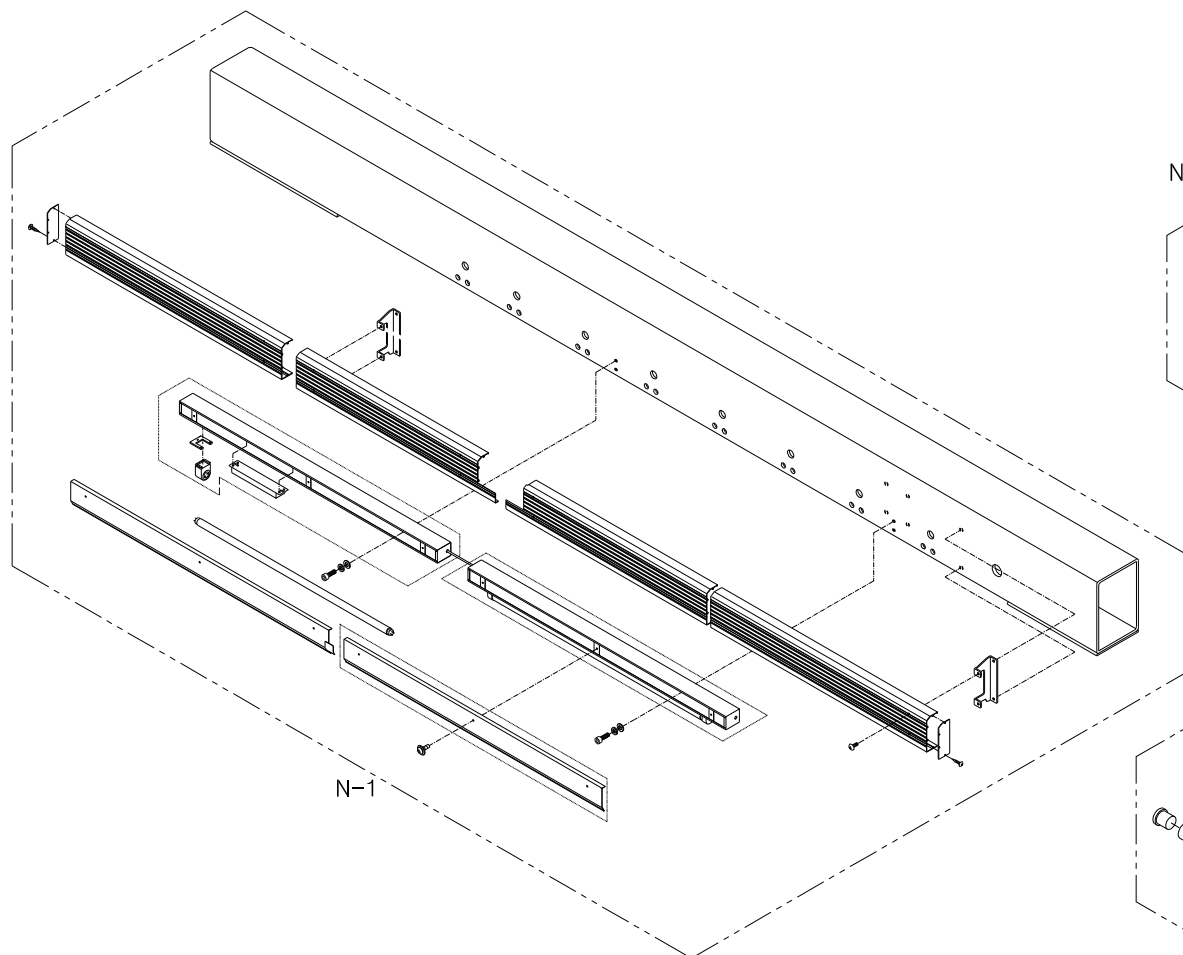
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Note

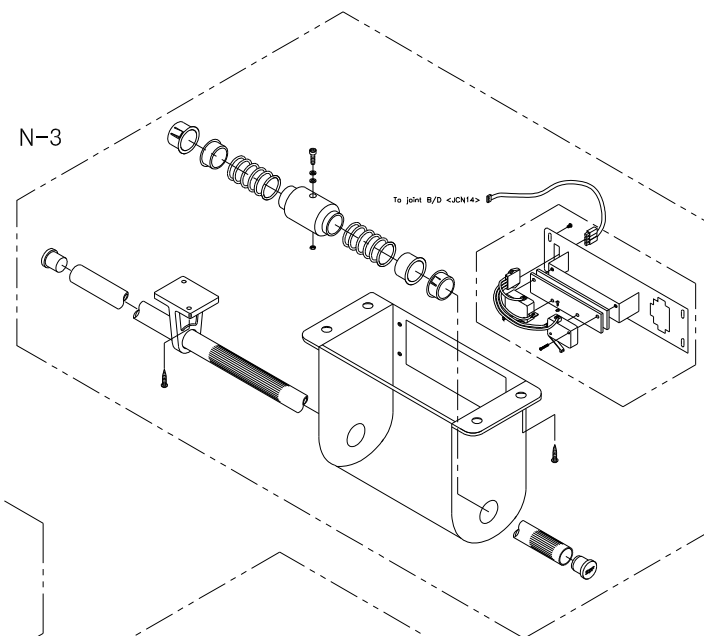


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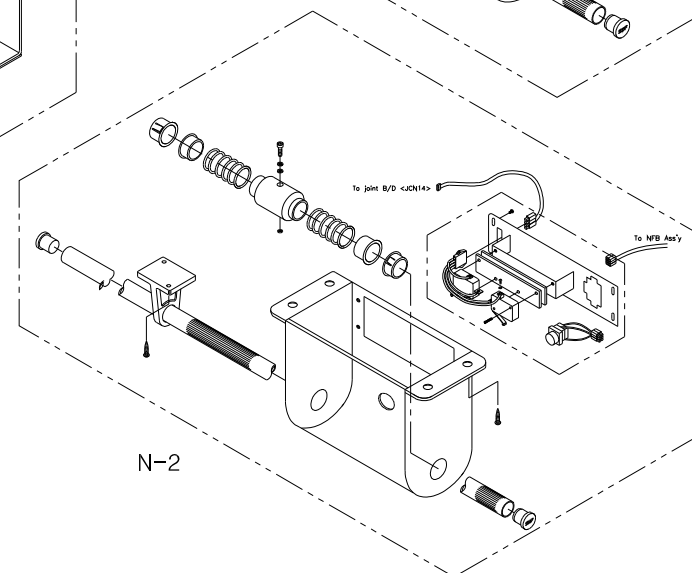
Lamp & Switch



N-1



N-3



N-2

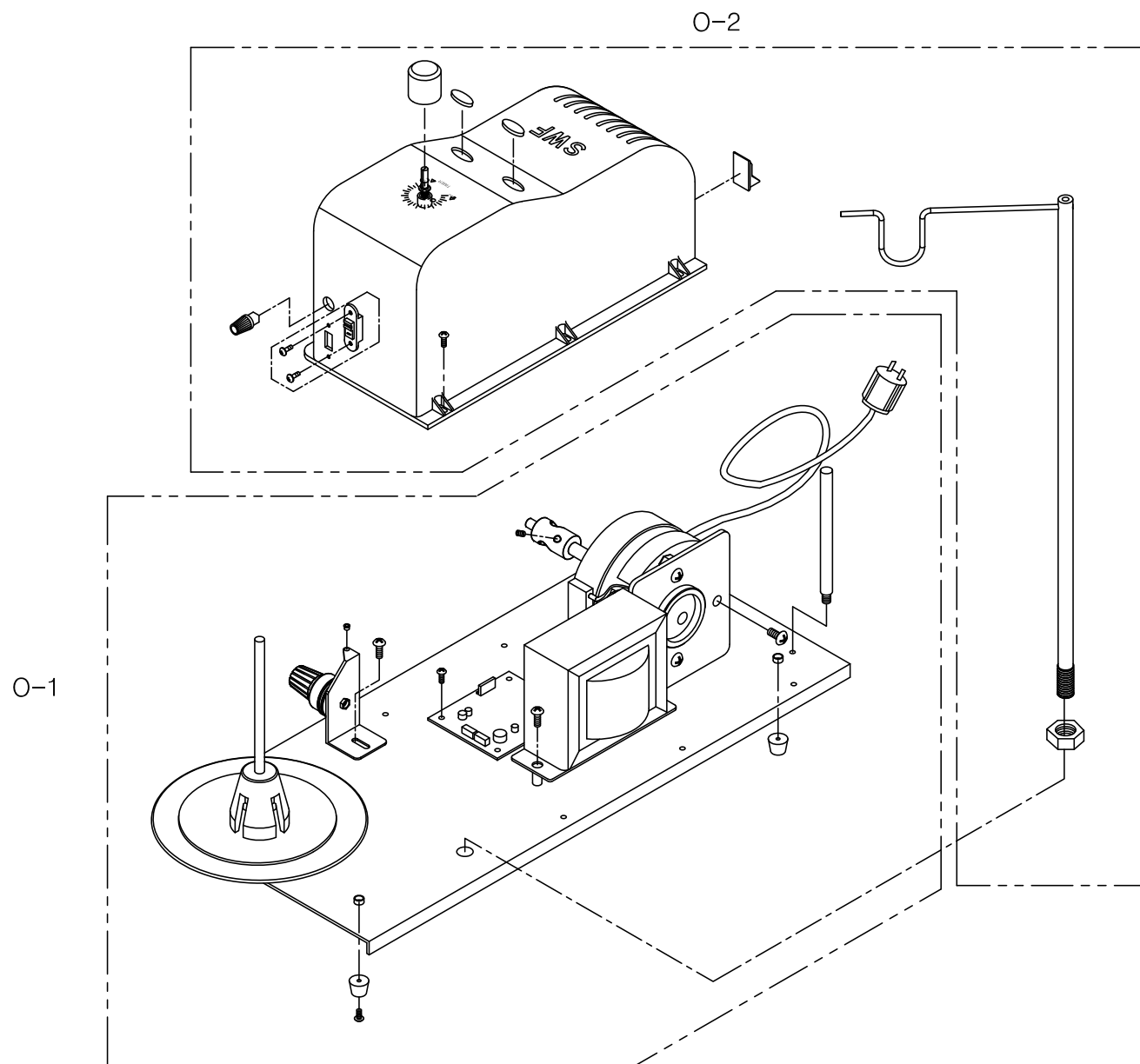
[illegible][illegible]

N

87

88

Bobbin Winder



O-1,O-2 : 08000010b000 Bobbin Winder Assy

0

0-2

This diagram illustrates the assembly of a mechanical device, likely a pump or motor, with various components labeled as follows:

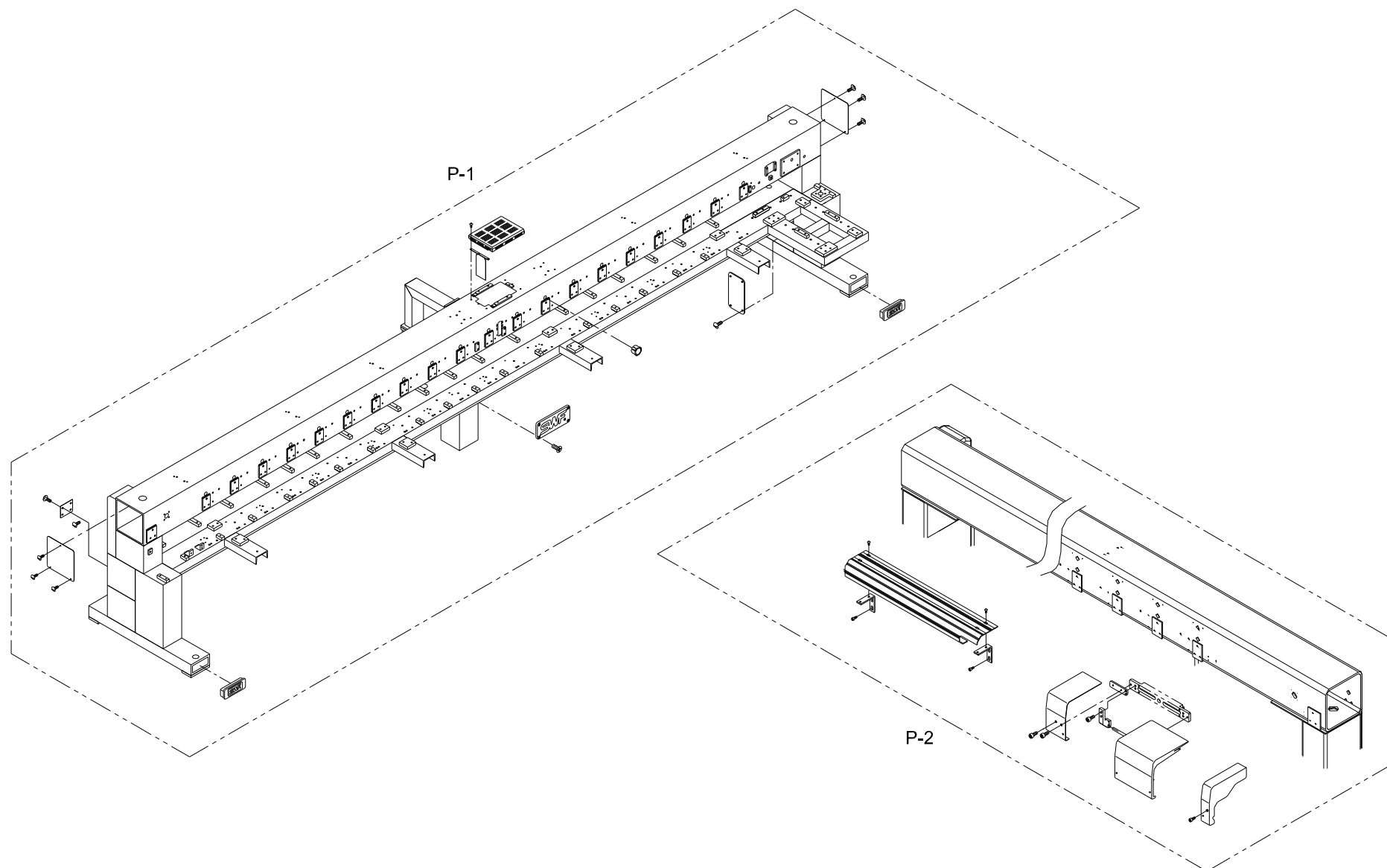
- O-2-1**: A long, thin metal rod or shaft.
- O-2-2**: A small screw or bolt used for mounting.
- O-2-3**: A small rectangular plate or bracket.
- O-2-4**: A small cylindrical component, possibly a cap or plug.
- O-2-5**: A small rectangular component, possibly a switch or sensor.
- O-2-6**: A small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

The assembly is shown in an exploded view, indicating the relative positions and orientations of the components. The main body of the device is labeled "SWF".

O-1,O-2 : 08000010b000 Bobbin Winder Assy

0

Cover



This exploded view diagram illustrates the assembly of the P-1000 power supply unit. The main components and their assembly points are labeled as follows:

- P-1-1**: Main power supply unit housing.
- P-1-2**: Input terminal block.
- P-1-3**: Output terminal block.
- P-1-4**: Output terminal block cover.
- P-1-5**: Output terminal block cover.
- P-1-6**: Output terminal block cover.
- P-1-7**: Output terminal block cover.
- P-1-8**: Output terminal block cover.
- P-1-9**: Output terminal block cover.
- P-1-10**: Output terminal block cover.
- P-1-11**: Output terminal block cover.
- P-1-12**: Output terminal block cover.
- P-1-13**: Output terminal block cover.

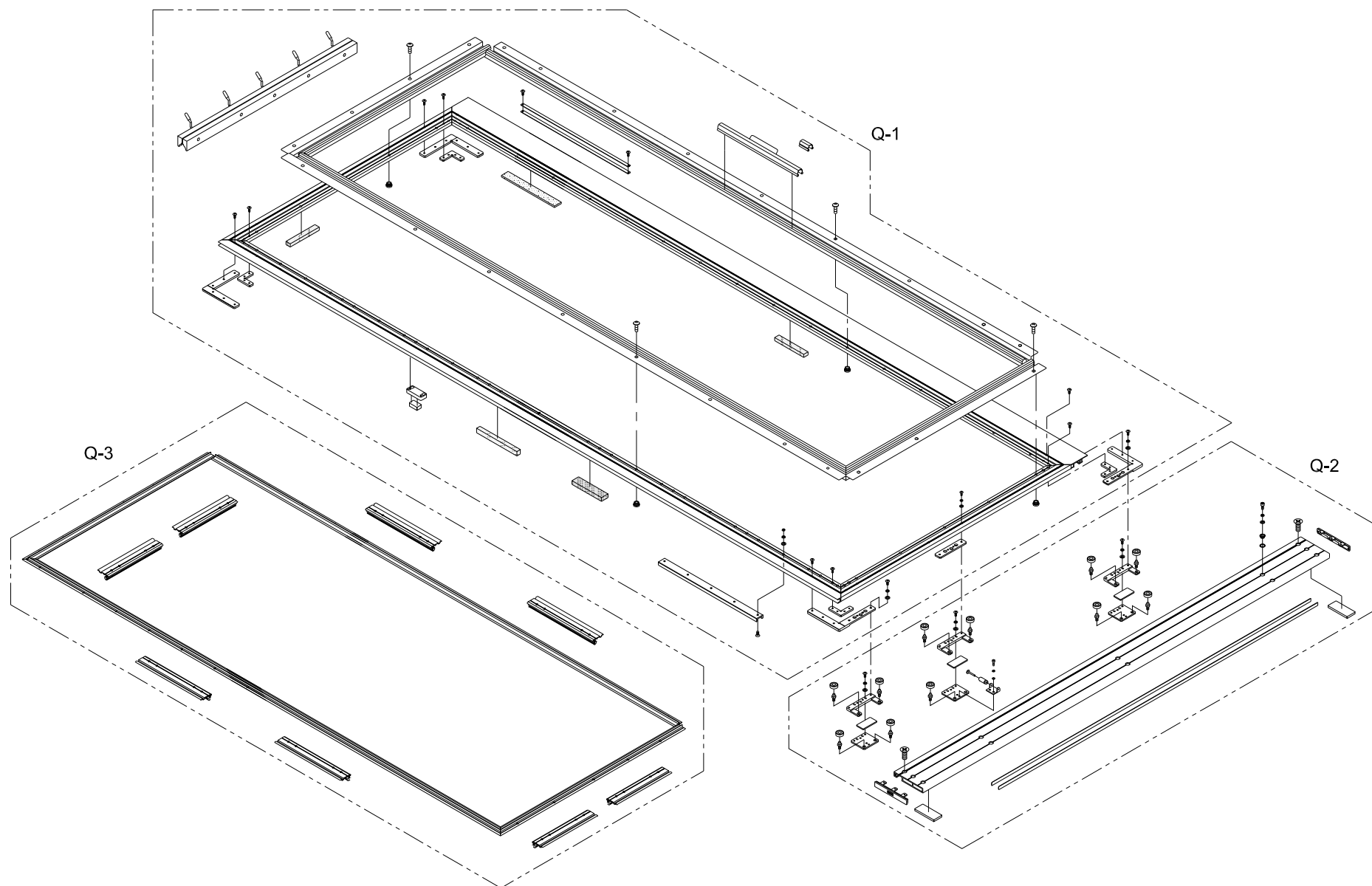
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P

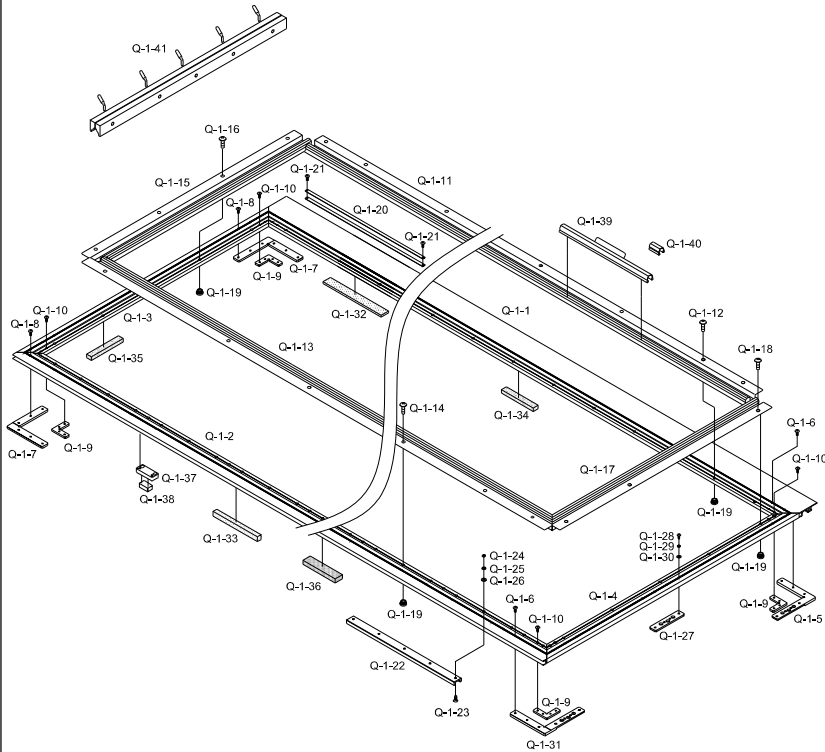
Note

[illegible]

Frame



Q-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q-1-1	10500700IDK0	Frame (A) [L=6276]				1	
Q-1-2	10500800IDK0	Frame (B) [L=6276]				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	X		1	
	GP-030400-01	Corner Guide (A)	Mar.26.08	△		1	
Q-1-6	18014SC-7113	Hex.Socket Bolt(M4*L10)			○	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)			○	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)			○	16	
Q-1-11	10501410IDK0	Frame (C-1) [L=6121]				1	
Q-1-12	02010AF-3123	Truss Screw (M4*L8)			○	41	
Q-1-13	10501510IDK0	Frame (C-2) [L=6176]				1	
Q-1-14	02010AF-3123	Truss Screw (M4*L8)			○	39	
Q-1-15	10501610I004	Frame (C-3) [L=838.5]				1	
Q-1-16	02010AF-3123	Truss Screw (M4*L8)			○	4	
Q-1-17	10501710I004	Frame (C-4) [L=838.5]				1	
Q-1-18	02010AF-3123	Truss Screw (M4*L8)			○	4	
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	10000003IDK4	Guide for Bearing [L=400]				4	
Q-1-23	02010AF-3123	Hex.Socket Bolt(M4*L12)			○	20	
Q-1-24	18151SN-8311	Cap Nut(@4)			○	20	
Q-1-25	18014SW-3115	Spring Washer (@4)			○	20	
Q-1-26	18015SW-3111	Washer (4@)			○	20	
Q-1-27	GP-037813-00	Fixing Block (C) for Bearing	Mar.24.08	X		1	
Q-1-28	SC-000334-00	SCREW M4*L15	May.19.05	X		4	
Q-1-29	18014SW-3115	Spring Washer (@4-No2)			○	4	
Q-1-30	18015SW-3111	Washer (4@)			○	4	
Q-1-31	GP-037734-00	Corner Guide (A2)	Mar.24.08	X		1	
Q-1-32	18068SF-AE00	Front Felt(H)				3	
Q-1-33	GP-009936-00	Front Felt (O-1) (L=82.5)	Jun.24.08	X		40	
Q-1-34	18071SF-A001	Rear Felt (K) (L=135)				40	
Q-1-35	18072SF-AD00	Rear Felt (L) (L=105)				4	
Q-1-36	GP-051843-00	Felt(A)				17	

Q

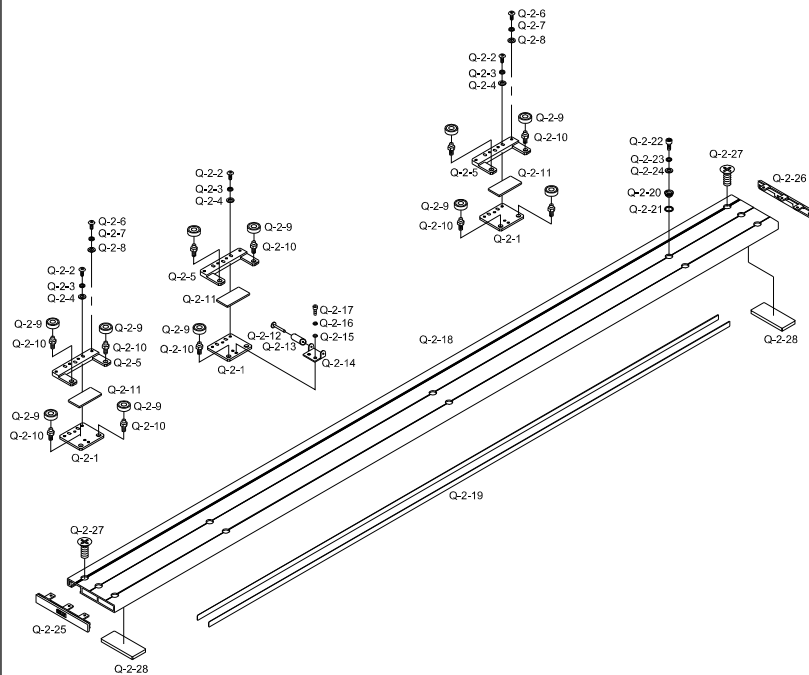
This diagram illustrates the exploded view of a rectangular frame assembly. The components are labeled with part numbers and leader lines. Key parts include:

- Q-1-41**: A long horizontal rail with four mounting tabs, positioned at the top left.
- Q-1-15**: A vertical support rail on the left side.
- Q-1-16**: A small vertical pin or fastener at the top left corner.
- Q-1-21**: A horizontal rail segment at the top right.
- Q-1-11**: A horizontal rail segment on the right side.
- Q-1-10**: A horizontal rail segment in the center.
- Q-1-20**: A horizontal rail segment on the right side.
- Q-1-8**: A small vertical pin or fastener.
- Q-1-9**: A small vertical pin or fastener.
- Q-1-7**: A small vertical pin or fastener.
- Q-1-19**: A small vertical pin or fastener.
- Q-1-32**: A horizontal rail segment in the center.
- Q-1-13**: A horizontal rail segment in the center.
- Q-1-3**: A horizontal rail segment on the left side.
- Q-1-35**: A horizontal rail segment on the left side.
- Q-1-2**: A horizontal rail segment on the left side.
- Q-1-37**: A small vertical pin or fastener.
- Q-1-38**: A small vertical pin or fastener.
- Q-1-33**: A horizontal rail segment on the left side.
- Q-1-36**: A horizontal rail segment on the left side.
- Q-1-22**: A horizontal rail segment on the left side.
- Q-1-23**: A horizontal rail segment on the left side.
- Q-1-14**: A horizontal rail segment in the center.
- Q-1-34**: A horizontal rail segment in the center.
- Q-1-1**: A horizontal rail segment on the right side.
- Q-1-39**: A horizontal rail segment on the right side.
- Q-1-40**: A small vertical pin or fastener.
- Q-1-12**: A horizontal rail segment on the right side.
- Q-1-18**: A horizontal rail segment on the right side.
- Q-1-6**: A horizontal rail segment on the right side.
- Q-1-10**: A horizontal rail segment on the right side.
- Q-1-19**: A horizontal rail segment on the right side.
- Q-1-17**: A horizontal rail segment on the right side.
- Q-1-24**: A horizontal rail segment on the right side.
- Q-1-25**: A horizontal rail segment on the right side.
- Q-1-26**: A horizontal rail segment on the right side.
- Q-1-6**: A horizontal rail segment on the right side.
- Q-1-10**: A horizontal rail segment on the right side.
- Q-1-4**: A horizontal rail segment on the right side.
- Q-1-27**: A horizontal rail segment on the right side.
- Q-1-28**: A horizontal rail segment on the right side.
- Q-1-29**: A horizontal rail segment on the right side.
- Q-1-30**: A horizontal rail segment on the right side.
- Q-1-19**: A horizontal rail segment on the right side.
- Q-1-8**: A horizontal rail segment on the right side.
- Q-1-5**: A horizontal rail segment on the right side.
- Q-1-31**: A horizontal rail segment on the right side.
- Q-1-9**: A horizontal rail segment on the right side.

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	X		3	
	GP-007190-01	BEARING CONNECTING BLOCK B	Apt.07.05	△		3	
	GP-007190-02	BEARING CONNECTING BLOCK B	Mar.26.08	△		3	
Q-2-2	02023SC-7113	Hex.Socket Bolt (M4*L8)			○	9	
Q-2-3	18014SW-3115	Spring Washer (@4-No2)			○	9	
Q-2-4	18015SW-3111	Washer (4@)			○	9	
Q-2-5	GP-037776-00	Fixing Block (A) for Bearing	Mar.25.08	X		3	
	GP-037776-01	Fixing Block (A) for Bearing	Apr.14.08	△		3	
	GP-037776-02	Fixing Block (A) for Bearing	May.26.08	△		3	
Q-2-6	07016SC-7113	Hex.Socket Bolt (M4*L12)			○	8	
Q-2-7	18014SW-3115	Spring Washer (@4-No2)			○	8	
Q-2-8	18015SW-3111	Washer (4@)			○	8	
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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	18015SW-3111	WASHER (4@)			○	6	
Q-2-16	18014SW-3115	SPRING WASHER (@4-NO2)			○	6	
Q-2-17	02023SC-7113	HEX.SOCKET BOLT (M4*L8)			○	6	
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	GP-005282-01	Frame E [L=1659]	Feb.20.07	△		1	
	GP-005282-02	Frame E [L=1659]	May.23.07	△		1	
	GP-005282-03	Frame E [L=1659]	Jul.25.07	△		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	
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Q-2-24	08057SW-1111	Washer (@6)			○	6	
Q-2-25	AS-001418-00	FRAME E ENDCAP(A)SET	Oct.26.04	X		1	
	AS-001418-01	FRAME E ENDCAP(A)SET	Apr.01.05	△		1	
	AS-001418-02	FRAME E ENDCAP(A)SET	Feb.20.07	△		1	
	AS-001418-03	FRAME E ENDCAP(A)SET	May.23.07	△		1	
Q-2-26	AS-001419-00	FRAME E ENDCAP B SET	Oct.26.04	X		1	
	AS-001419-01	FRAME E ENDCAP B SET	Apr.01.05	△		1	

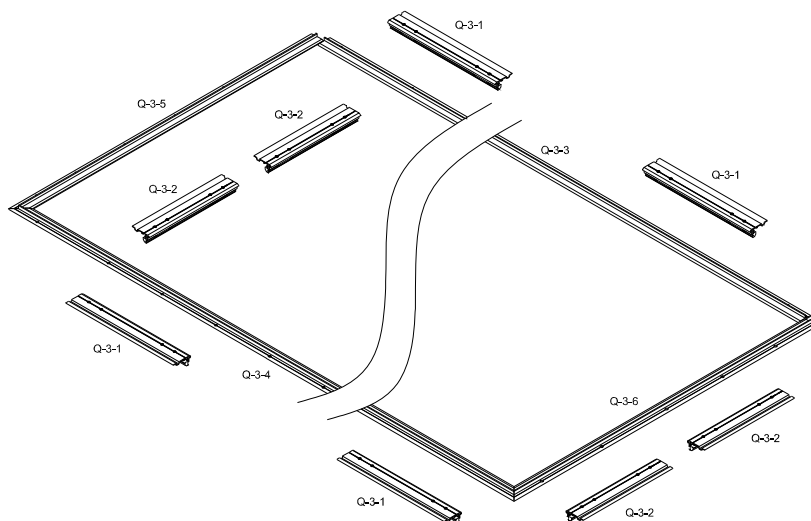
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