

PARTS BOOK

Multi - Head TA - Series

TA - WL910 - 120

TA - WL012 - 120

PME-110718

Notice

1. Parts Book 가 .
2. 가 .
3. Part Book .

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

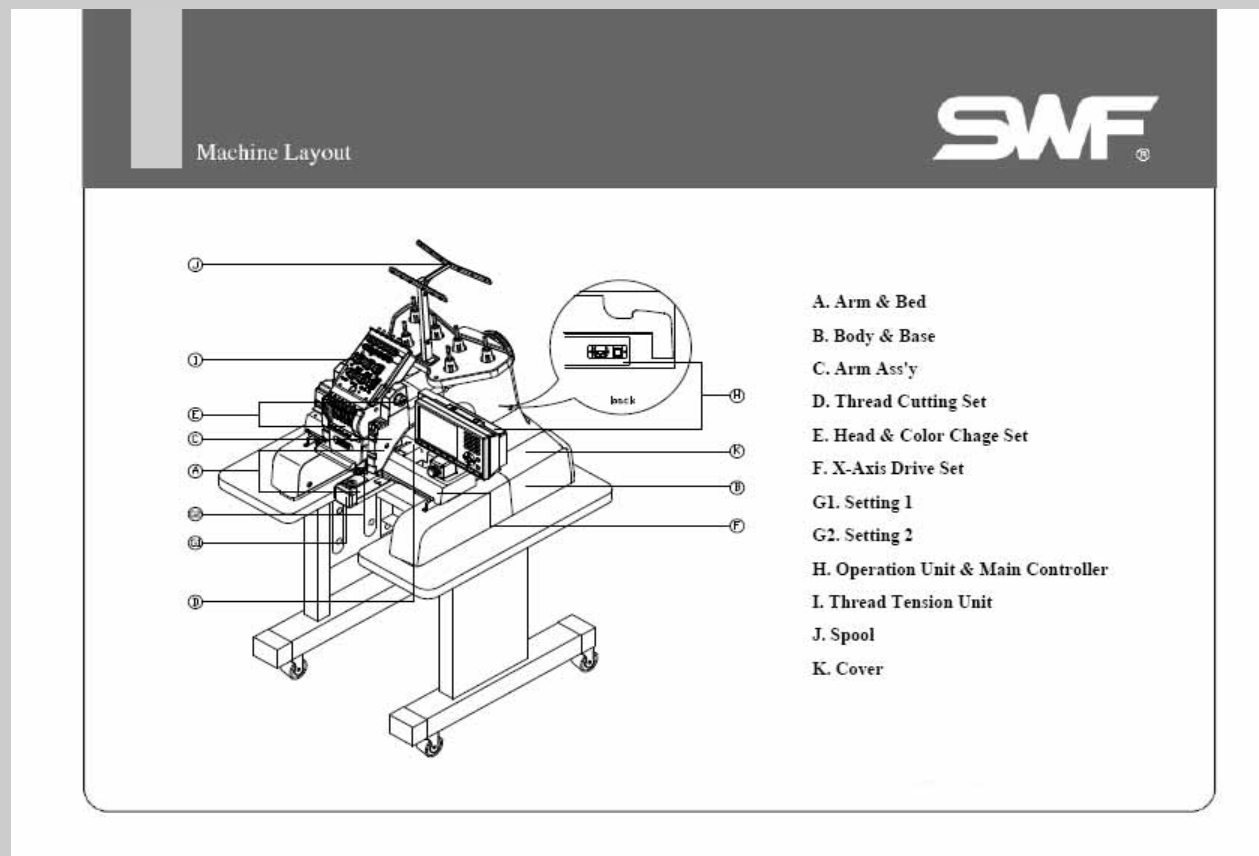
1. This is a parts book. It cannot be used as a manual.
2. The parts classified as ass'y items may cause damage to the machine or bad embroidery when they are separately assembled.
Hence, when they are ordered, they can be purchased as ass'y items only.
3. The Part Book is classified as below and users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

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

Consumable parts shall not be guaranteed even in warranty period.

A. Structure of Part Book

1. Machine Layout



Information

A. Structure of Part Book

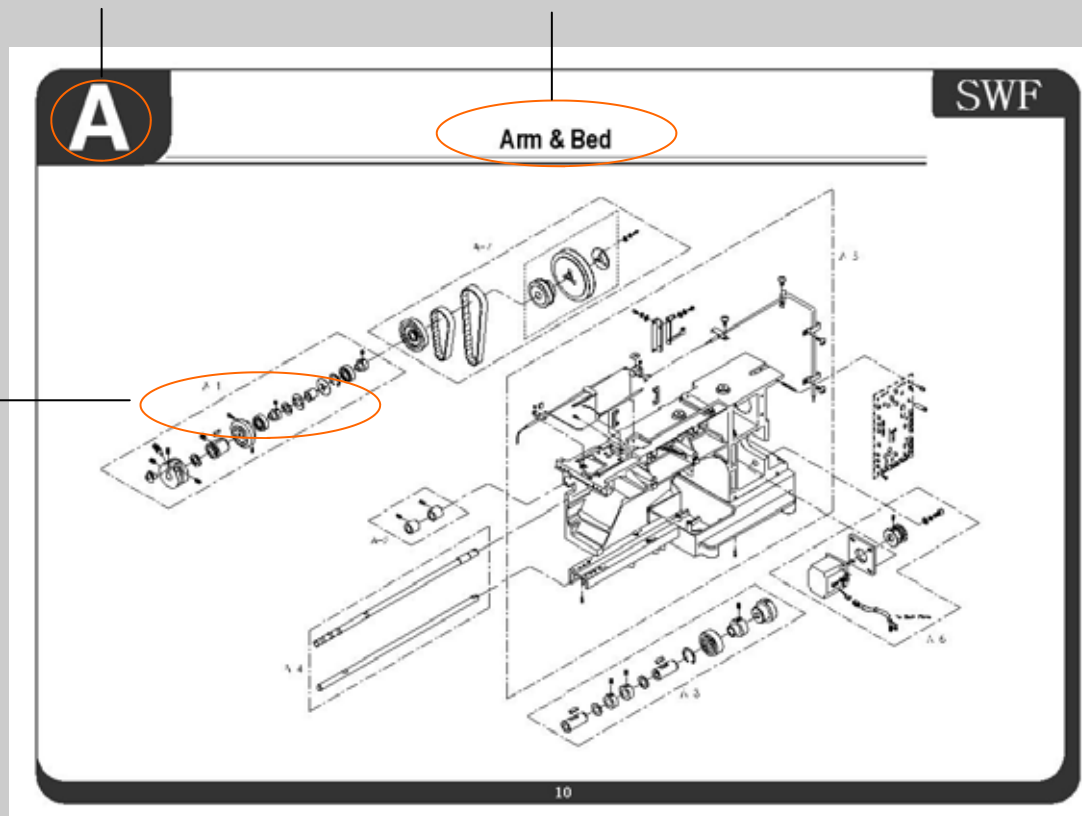
2. Section

: Index Number

: Index Group

: Related Parts

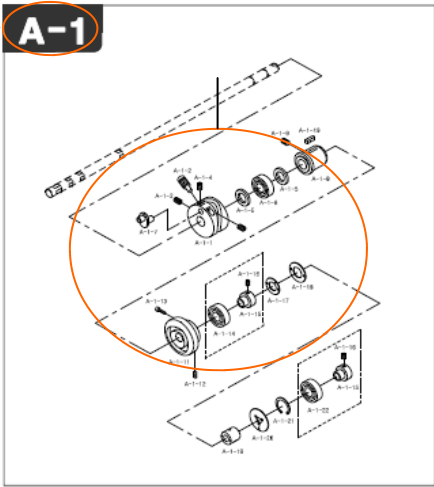
Ex) A-1, A-2, A-3...



Information

A. Structure of Part Book

3. Part List



A-1

Note

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 ~ 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	0102BHR-A001	Washer				2	
A-1-7	0102BHR-A001	Washer				1	
A-1-8	0102BHR-T900	Steel Bar Crank				1	
A-1-9	0101SCM-T121	Upper Bolt Bushing (H)				1	
A-1-10	0101SCM-T121	Screw (1/8x28L=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	0102BHR-A001	Screw (M4xL20)			O	1	
A-1-15	0102BHR-A001	Washer (600422)				1	
A-1-16	0102BHR-A001	Washer Collar			O	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	NP-016534-01	Resistor Plate				1	
A-1-22	0101SCM-T121	C-Ridge (H47)			O	1	
A-1-23	0101SCM-T121	Washer (600422)			O	1	

Note) * : Checks the timing of application.

Index Number
Ex) A-1, A-2...

Parts View

Information

A. Structure of Part Book

Ref. No

Part No

Ex)

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

Parts Name :

: Refers to unique names of parts

Applied Period

Ex1) 2007 2 10 , 2008 7 10

-> Feb.10.07 ~ Jul.10.08

Ex1) Applied from Feb. 10, 2007, To on July 10, 2008

-> Feb.10.07 ~ Jul.10.08

Ex2) 2007 2 10

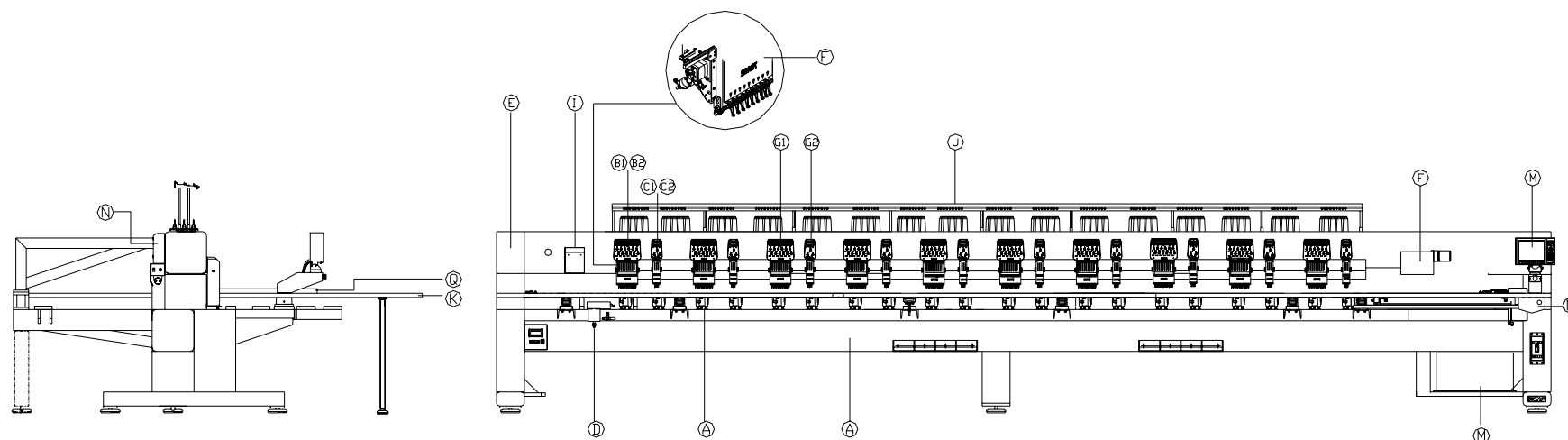
-> Feb.10.07 ~

Ex2) Applied from Feb. 10, 2007

-> Feb.10.07 ~

Index Number

Machine Layout



A. Machine Body Ass'y

B1. Arm I

B2. Arm II

C1. Arm I (Coiling)

C2. Arm II (Coiling)

D. Thread Cutting Drive System

E. Main Drive System

F. Head & Color Change System

G1. Thread Tension Unit

G2. Thread Tension Unit (Coiling)

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

R. Thread Divider Device

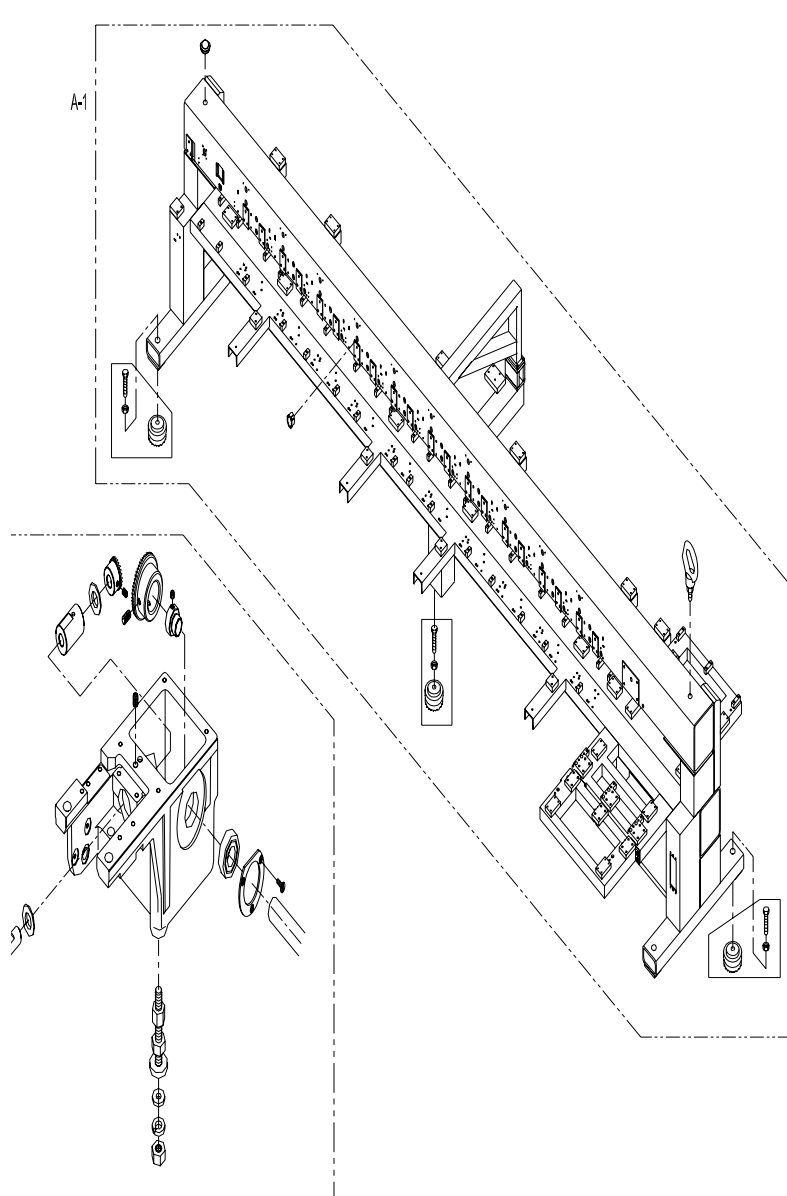


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Beam Body & Bed



A - 1

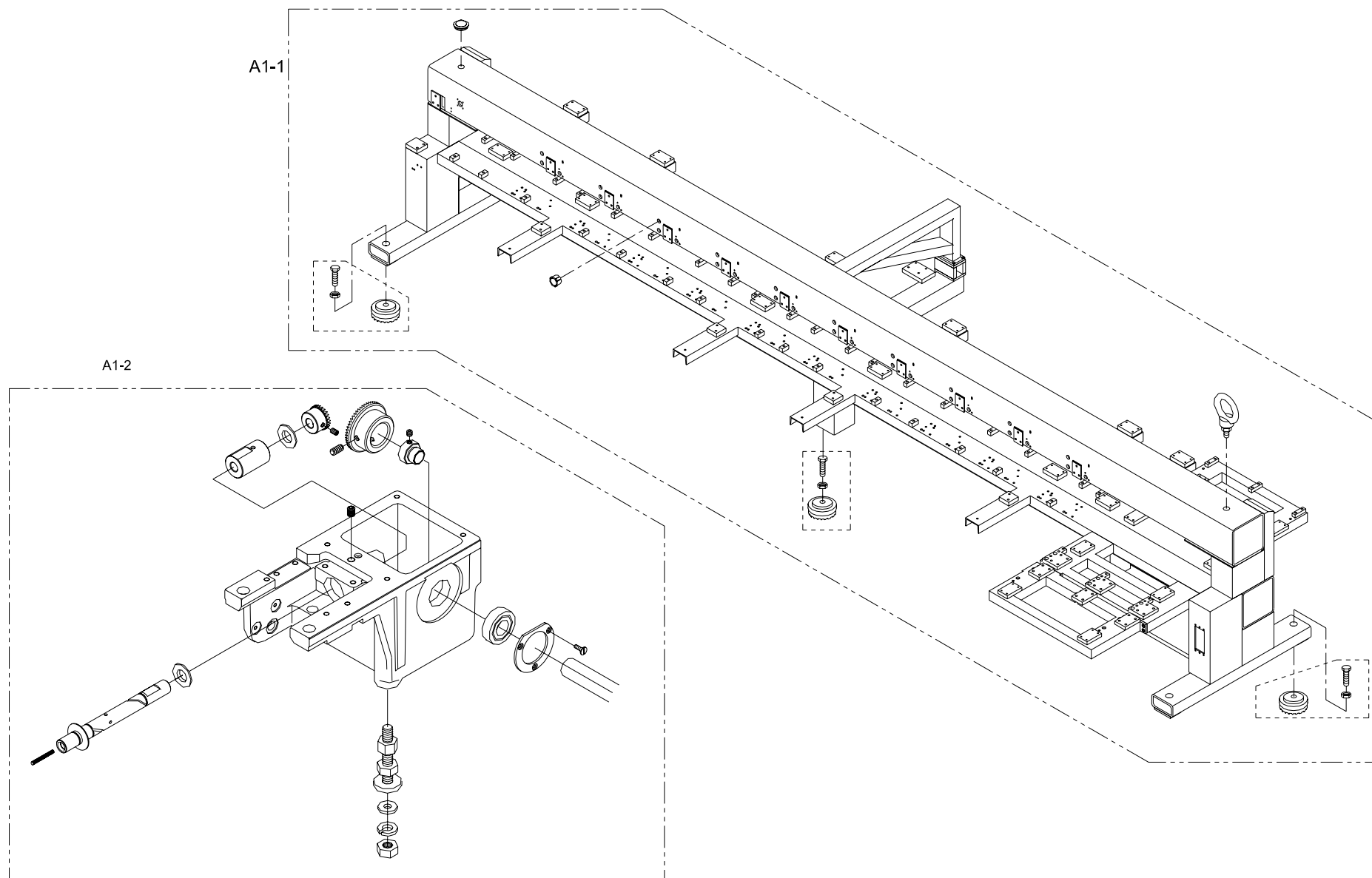
Note

A

A

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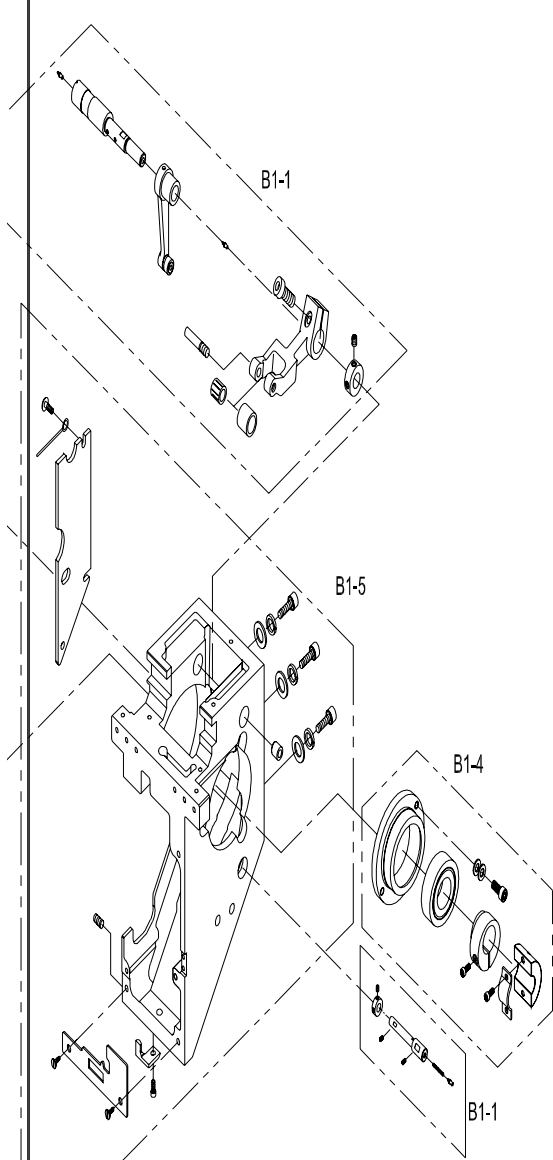
Beam Body & Bed (TA-WL012-120)



A1

14

Arm 1



B1-1

This exploded view diagram illustrates the assembly of the B1-1 component. The main body is shown at the bottom, with various parts being attached to it. The assembly sequence is indicated by numbered callouts:

- B1-1-10**: A long cylindrical rod with a threaded end, shown at the top left.
- B1-1-16**: A smaller cylindrical rod, shown below B1-1-10.
- B1-1-7**: A bracket or arm, shown to the right of B1-1-16.
- B1-1-18**: A small cylindrical part, shown above B1-1-7.
- B1-1-10**: The same long cylindrical rod, shown again in the middle right area.
- B1-1-9**: A small cylindrical part, shown to the right of B1-1-10.
- B1-1-15**: A small cylindrical part, shown to the right of B1-1-9.
- B1-1-14**: A small cylindrical part, shown to the right of B1-1-15.
- B1-1-8**: A bracket or arm, shown in the middle right area.
- B1-1-11**: A small cylindrical part, shown to the left of B1-1-8.
- B1-1-13**: A small cylindrical part, shown below B1-1-11.
- B1-1-12**: A small cylindrical part, shown below B1-1-13.
- B1-1-17**: A small cylindrical part, shown to the right of the main body.
- B1-1-6**: A small cylindrical part, shown below B1-1-17.
- B1-1-5**: A small cylindrical part, shown below B1-1-6.
- B1-1-1**: A long cylindrical rod, shown below B1-1-5.
- B1-1-4**: A small cylindrical part, shown below B1-1-1.
- B1-1-2**: A small cylindrical part, shown below B1-1-4.
- B1-1-3**: A small cylindrical part, shown below B1-1-2.

Note

[illegible]

B1

[illegible]

B1-3

This exploded view diagram illustrates the assembly of the B1-3 engine. The components are labeled as follows:

- B1-3-1**: Main crankshaft assembly.
- B1-3-2**: Connecting rod.
- B1-3-3**: Piston pin.
- B1-3-4**: Piston pin clip.
- B1-3-5**: Piston crown.
- B1-3-6**: Piston pin clip.
- B1-3-7**: Piston pin clip.
- B1-3-8**: Piston pin clip.
- B1-3-9**: Piston pin clip.
- B1-3-10**: Piston pin clip.
- B1-3-11**: Piston pin clip.
- B1-3-12**: Piston pin clip.
- B1-3-13**: Piston pin clip.
- B1-3-14**: Piston pin clip.
- B1-3-15**: Piston pin clip.
- B1-3-16**: Piston pin clip.
- B1-3-17**: Piston pin clip.
- B1-3-18**: Piston pin clip.
- B1-3-19**: Piston pin clip.
- B1-3-20**: Piston pin clip.
- B1-3-21**: Piston pin clip.
- B1-3-22**: Piston pin clip.
- B1-3-23**: Piston pin clip.
- B1-3-24**: Piston pin clip.
- B1-3-25**: Piston pin clip.

The diagram shows the assembly sequence for the piston and connecting rod, and the main crankshaft assembly. The components are shown in their relative positions, with dashed lines indicating the assembly path.

Note

B1

Note

B1

B1-5

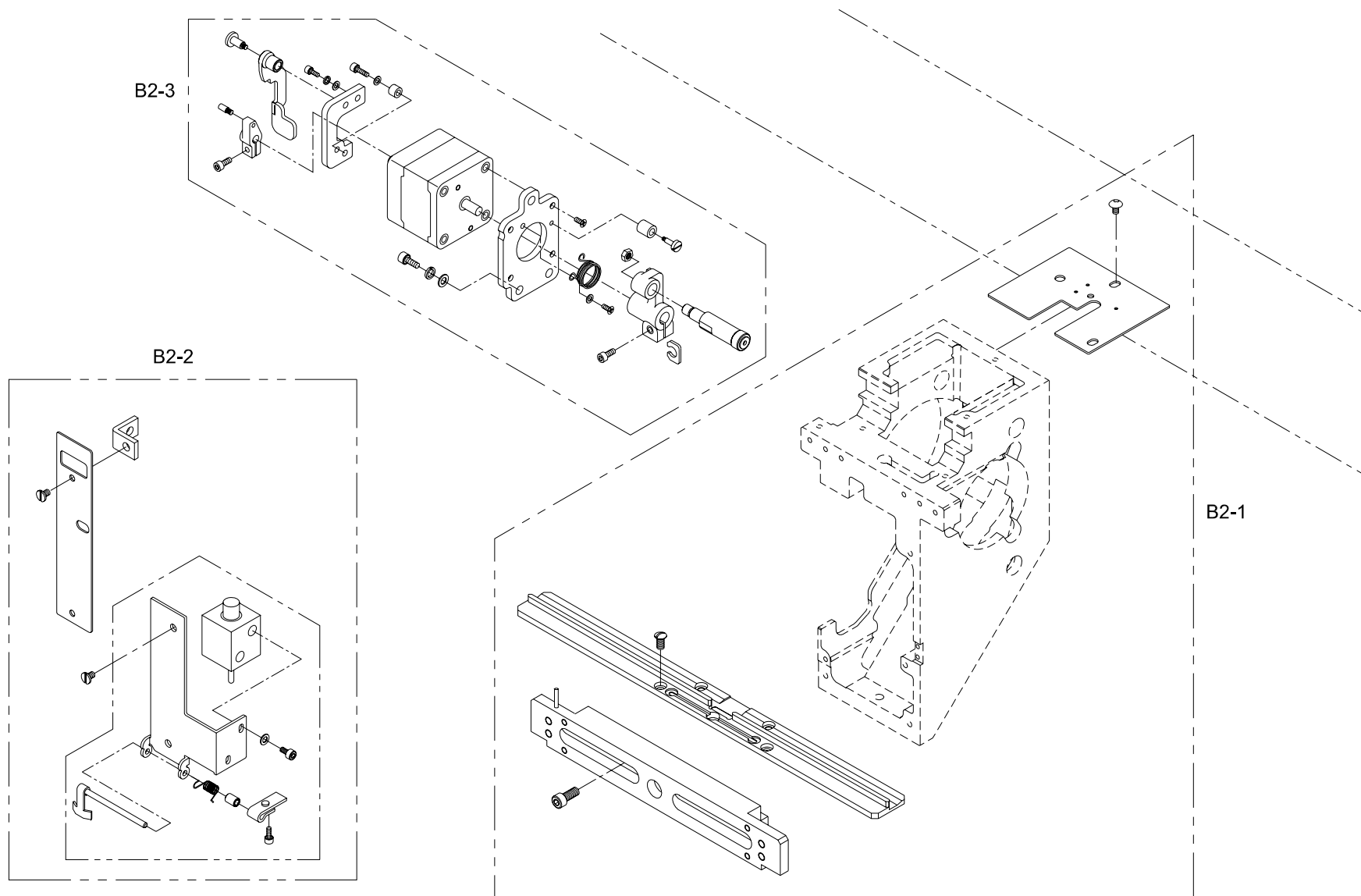
This exploded view diagram illustrates the assembly of the B1-5 component. The main body, labeled B1-5-1, is a large rectangular frame with a central circular opening. To the left, a vertical plate labeled B1-5-5 is shown with a curved top edge. Above this plate, a small screw labeled B1-5-7 is shown being inserted into a hole in the plate, which is secured by a washer labeled B1-5-6. To the right of the main body, a series of components are shown being assembled onto a side flange: a washer labeled B1-5-4, a nut labeled B1-5-3, a long threaded rod labeled B1-5-2, and another washer labeled B1-5-4. At the bottom of the main body, a small bracket labeled B1-5-10 is shown being secured with a screw labeled B1-5-11. To the left of this bracket, a horizontal plate labeled B1-5-8 is shown with two screws labeled B1-5-9 being inserted into it.

Note

[illegible]

B1

Arm 2



B2-1

This exploded view diagram illustrates the assembly of the B2-1 unit. The components are labeled as follows:

- B2-1-1**: The main base or chassis, shown as a large rectangular frame with various mounting points and slots.
- B2-1-2**: A small cylindrical component, likely a pin or a small screw, located near the bottom left of the main frame.
- B2-1-3**: A long, narrow component, possibly a rail or a guide, positioned horizontally across the middle of the assembly.
- B2-1-4**: A small cylindrical component, similar to B2-1-2, located near the center of the horizontal rail.
- B2-1-5**: A rectangular plate or cover, positioned at the top right of the assembly.
- B2-1-6**: A small cylindrical component, likely a pin or a small screw, located near the top right corner of the rectangular plate.

The diagram uses dashed lines to indicate the relative positions and alignment of the components, showing how they fit together to form the complete B2-1 unit.

Note

[illegible]

B2

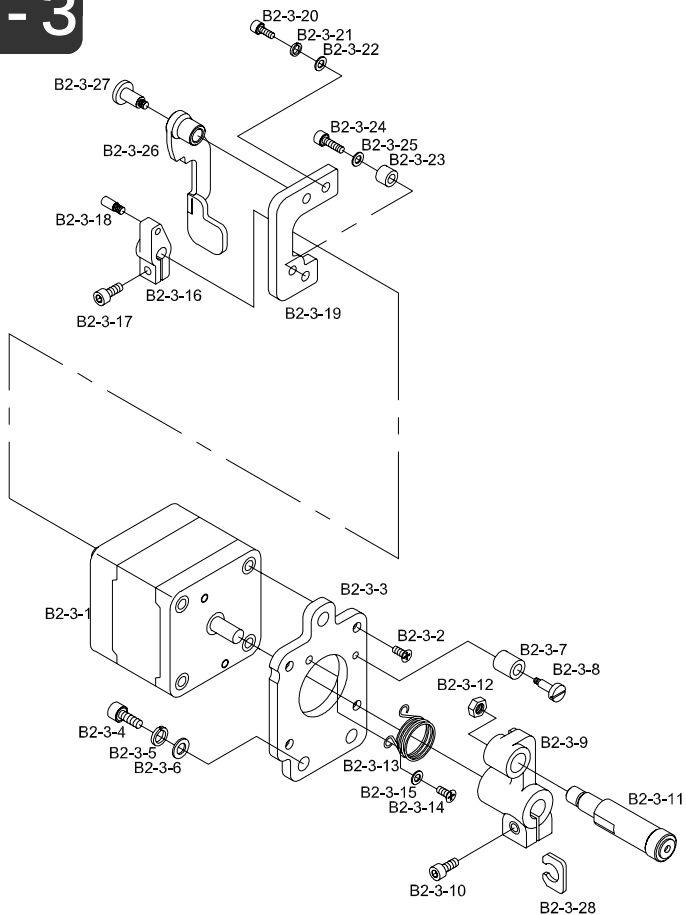
This diagram illustrates the exploded view of the B2-2 assembly. The components are labeled as follows:

- B2-2-1**: A vertical rectangular plate with a handle cutout and two mounting holes.
- B2-2-2**: A small rectangular bracket with a circular hole.
- B2-2-3**: A screw used to secure B2-2-2 to B2-2-1.
- B2-2-4**: A dashed box enclosing the main assembly components.
- B2-2-5**: A vertical rectangular plate, similar to B2-2-1 but with different mounting features.
- B2-2-6**: A horizontal rectangular plate.
- B2-2-7**: A screw used to secure B2-2-5 to B2-2-6.
- B2-2-8**: A small cylindrical component.
- B2-2-9**: A bracket with a circular hole.
- B2-2-10**: A screw used to secure B2-2-9 to B2-2-6.
- B2-2-11**: A square block with a circular hole and a mounting flange.
- B2-2-12**: A screw used to secure B2-2-11 to B2-2-5.
- B2-2-13**: A small cylindrical component.
- B2-2-14**: A screw used to secure B2-2-13 to B2-2-5.

[illegible]

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B2 - 3

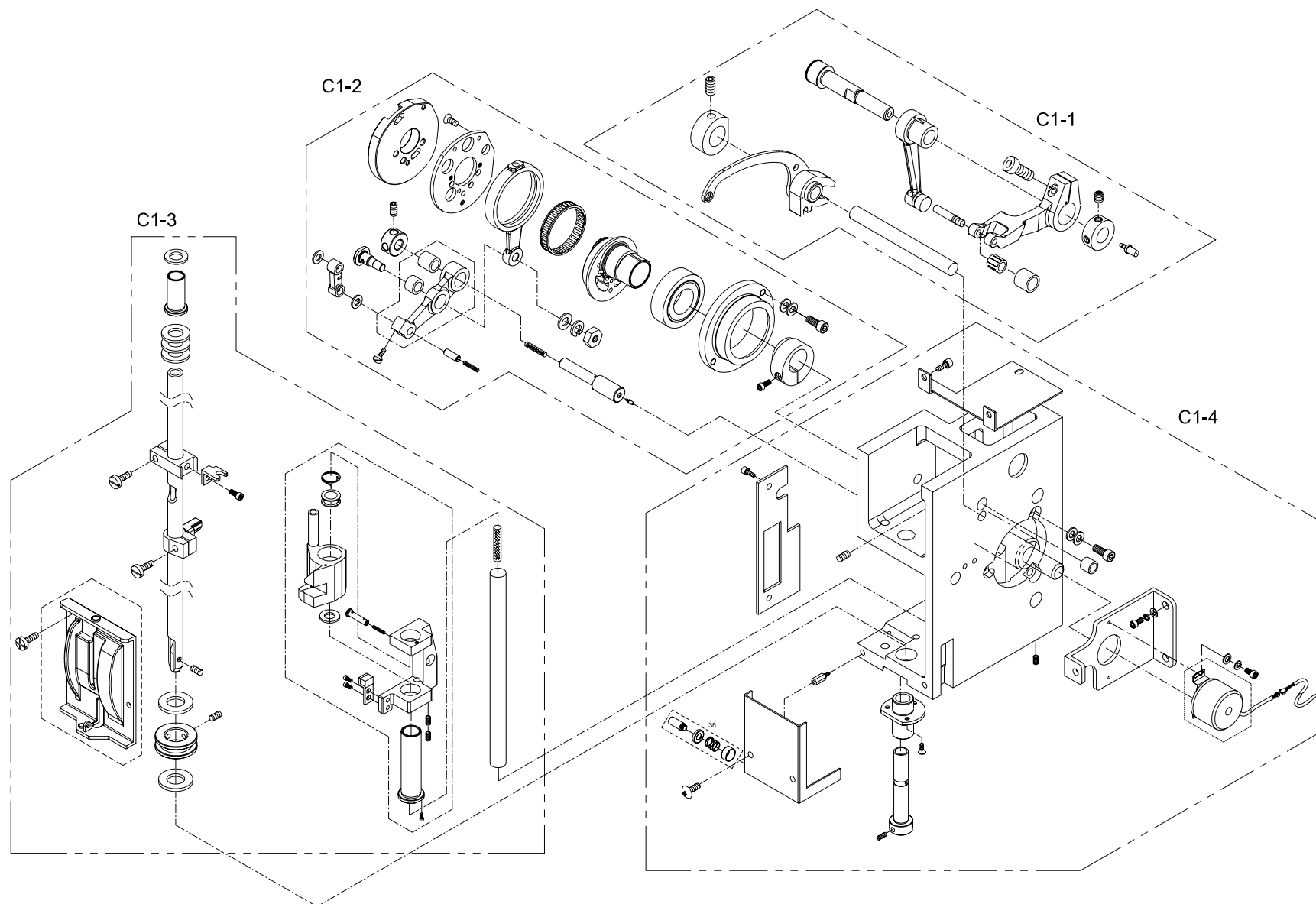


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
B2-3-1	03410200H000	Jump Motor				10	
B2-3-2	02002SC-7119	Plus Screw (M4*L8)			O	40	
B2-3-3	03410100I000	Jump Motor Base				10	
B2-3-4	07016SC-7113	Hex.Socket Bolt (M4*L10)			O	20	
B2-3-5	18014SW-3115	Spring Washer (@4)			O	20	
B2-3-6	06003SW-2111	Washer (@4)			O	20	
B2-3-7	03410300H000	Jump Crank Stopper				20	
B2-3-8	03411400H000	Stud for Jump Crank Stopper				10	
B2-3-9	GP-008769-00	Jump Driving Crank	Apr,22,05 ~	X		10	
	GP-008769-01		Jun,07,05				
B2-3-10	05028SC-4113	HOLDER SCREW (9/64-L8)			O	10	
B2-3-11	03411810I000	Jump Crank Roller Ass'y				10	
B2-3-12	03031SN-A001	Pin. Nut (11/64,N=40)				10	
B2-3-13	03410800I000	Jump Return Spring				10	
B2-3-14	08006SC-8118	Plus Screw (M3*L5)			O	10	
B2-3-15	06011SW-2111	Washer (@3)			O	10	
B2-3-16	03410900H000	Jump Driving Clutch				10	
B2-3-17	02023SC-7113	Hex. Socket Bolt (M4*L8)			O	10	
B2-3-18	03411000H000	Jump Clutch Pin				10	
B2-3-19	03411100I000	Jump Clutch Base				10	
B2-3-20	22006SC-7113	Hex.Socket Bolt (M3*L8)			O	10	
B2-3-21	11019SW-9115	Spring Washer (3@)			O	10	
B2-3-22	06011SW-2111	Washer (@3)			O	10	
B2-3-23	03304900H000	Jump Clutch Lever Stopper				10	
B2-3-24	04010MC-7113	Hex.Socket Bolt (M4*L10)			O	10	
B2-3-25	06011SW-2111	Washer (@3)			O	10	
B2-3-26	03411200I000	Jump Driving Clutch Lever				10	
B2-3-27	03411300H000	Stud for Jump Clutch Lever				10	
B2-3-28	08201100H000	PRESSER FOOT SPACER				10	
B2-3-29	AS-000861-00	Jump Motor	Aug,16,04 ~	X		10	
	AS-000861-01		Apr,22,08 ~				
	AS-000861-02		Jun,01,09 ~				
	AS-000861-03		Jun,01,09 ~				
	AS-000861-04		Jun,01,09 ~				

B2

Arm 1 (Coiling)



C1-1

This exploded view diagram illustrates the assembly of the C1-1 unit. The main component is a rectangular housing (C1-1-19) which serves as the base. A large circular component (C1-1-2) is mounted on the front face of the housing. Various fasteners, including screws (C1-1-1, C1-1-2, C1-1-16, C1-1-17), bolts (C1-1-3, C1-1-4, C1-1-5, C1-1-6, C1-1-8, C1-1-10, C1-1-11, C1-1-12, C1-1-13, C1-1-14, C1-1-15), and pins (C1-1-7, C1-1-9), are shown in their respective assembly positions. A curved bracket (C1-1-13) is attached to the side of the housing. A long cylindrical rod (C1-1-14) passes through the housing and is secured by a nut (C1-1-10) and a washer (C1-1-9). A small pin (C1-1-7) is used to secure the front plate (C1-1-2) to the housing. The diagram uses dashed lines to indicate the alignment and assembly path for several components, such as the rod (C1-1-14) and the bracket (C1-1-13).

Note

[illegible]

C1

C1-2

This exploded view diagram illustrates the assembly of the C1-2 component. The parts are labeled as follows:

- C1-2-1: Outer ring or flange.
- C1-2-2: Inner ring or flange.
- C1-2-3: Small pin or screw.
- C1-2-4: Small pin or screw.
- C1-2-5: Small pin or screw.
- C1-2-6: Small pin or screw.
- C1-2-7: Main body or housing.
- C1-2-8: Ring or flange.
- C1-2-9: Ring or flange.
- C1-2-10: Ring or flange.
- C1-2-11: Small pin or screw.
- C1-2-12: Ring or flange.
- C1-2-13: Small pin or screw.
- C1-2-14: Small pin or screw.
- C1-2-15: Small pin or screw.
- C1-2-16: Small pin or screw.
- C1-2-17: Small pin or screw.
- C1-2-18: Small pin or screw.
- C1-2-19: Small pin or screw.
- C1-2-20: Small pin or screw.
- C1-2-21: Small pin or screw.
- C1-2-22: Small pin or screw.
- C1-2-23: Small pin or screw.
- C1-2-24: Small pin or screw.
- C1-2-25: Small pin or screw.
- C1-2-26: Small pin or screw.

The diagram shows the assembly sequence, with parts being added to the main body (C1-2-7) and the outer ring (C1-2-1). The parts are shown in their relative positions, with dashed lines indicating the assembly path.

Note

C1

C1-3

This exploded view diagram illustrates the assembly of the C1-3 component. The diagram shows a central vertical shaft assembly with various parts labeled C1-3-1 through C1-3-32. The assembly is shown in a disassembled state to show the relationship between parts. Key components include a central shaft (C1-3-1), a base plate (C1-3-2), a mounting bracket (C1-3-3), a handle (C1-3-4), a spring (C1-3-5), a washer (C1-3-6), a nut (C1-3-7), a pin (C1-3-8), a pin (C1-3-9), a pin (C1-3-10), a pin (C1-3-11), a pin (C1-3-12), a pin (C1-3-13), a pin (C1-3-14), a pin (C1-3-15), a pin (C1-3-16), a pin (C1-3-17), a pin (C1-3-18), a pin (C1-3-19), a pin (C1-3-20), a pin (C1-3-21), a pin (C1-3-22), a pin (C1-3-23), a pin (C1-3-24), a pin (C1-3-25), a pin (C1-3-26), a pin (C1-3-27), a pin (C1-3-28), a pin (C1-3-29), a pin (C1-3-30), a pin (C1-3-31), a pin (C1-3-32), a pin (C1-3-33), a pin (C1-3-34), a pin (C1-3-35), a pin (C1-3-36), a pin (C1-3-37), a pin (C1-3-38), a pin (C1-3-39), a pin (C1-3-40), a pin (C1-3-41), a pin (C1-3-42), a pin (C1-3-43), a pin (C1-3-44), a pin (C1-3-45), a pin (C1-3-46), a pin (C1-3-47), a pin (C1-3-48), a pin (C1-3-49), a pin (C1-3-50), a pin (C1-3-51), a pin (C1-3-52), a pin (C1-3-53), a pin (C1-3-54), a pin (C1-3-55), a pin (C1-3-56), a pin (C1-3-57), a pin (C1-3-58), a pin (C1-3-59), a pin (C1-3-60), a pin (C1-3-61), a pin (C1-3-62), a pin (C1-3-63), a pin (C1-3-64), a pin (C1-3-65), a pin (C1-3-66), a pin (C1-3-67), a pin (C1-3-68), a pin (C1-3-69), a pin (C1-3-70), a pin (C1-3-71), a pin (C1-3-72), a pin (C1-3-73), a pin (C1-3-74), a pin (C1-3-75), a pin (C1-3-76), a pin (C1-3-77), a pin (C1-3-78), a pin (C1-3-79), a pin (C1-3-80), a pin (C1-3-81), a pin (C1-3-82), a pin (C1-3-83), a pin (C1-3-84), a pin (C1-3-85), a pin (C1-3-86), a pin (C1-3-87), a pin (C1-3-88), a pin (C1-3-89), a pin (C1-3-90), a pin (C1-3-91), a pin (C1-3-92), a pin (C1-3-93), a pin (C1-3-94), a pin (C1-3-95), a pin (C1-3-96), a pin (C1-3-97), a pin (C1-3-98), a pin (C1-3-99), a pin (C1-3-100).

Note

[illegible]

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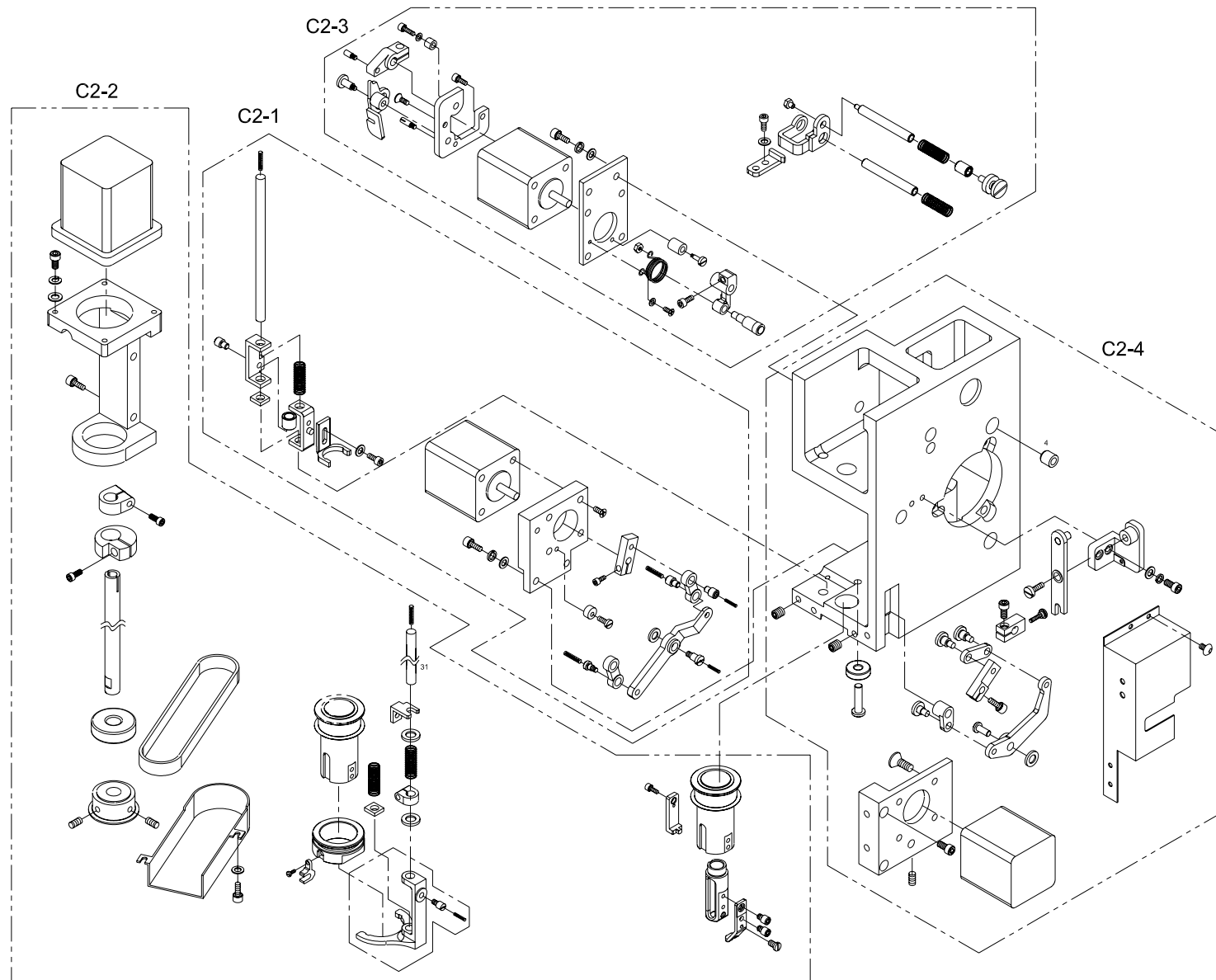
This exploded view diagram illustrates the assembly of the C1-4-1 unit. The components and their assembly sequence are as follows:

- C1-4-1**: The main rectangular housing, shown at the top right.
- C1-4-3**: A vertical plate that fits into the top of the housing.
- C1-4-4**: A screw used to secure the C1-4-3 plate.
- C1-4-5**: A component that fits into the front of the housing, secured by screw **C1-4-6**.
- C1-4-7**: An L-shaped base plate that fits under the housing, secured by screw **C1-4-9**.
- C1-4-8**: A set of four washers and a spring that fit into the base plate.
- C1-4-10**: A small connector or pin that fits into the base plate.
- C1-4-11**: A cylindrical component with a cable, shown in a dashed box at the bottom right.
- C1-4-12**, **C1-4-13**, **C1-4-14**, **C1-4-15**, **C1-4-16**, **C1-4-17**, and **C1-4-18**: Various screws and pins used to secure the internal components and the C1-4-11 assembly.

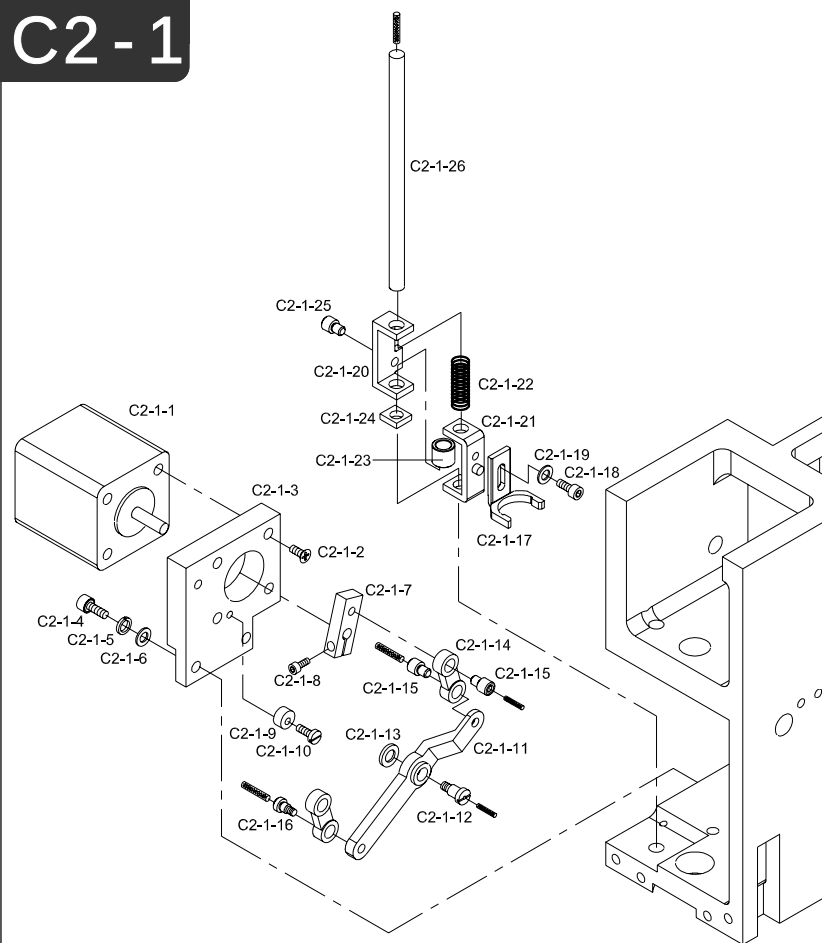
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Arm 2 (Coiling)



C2-1

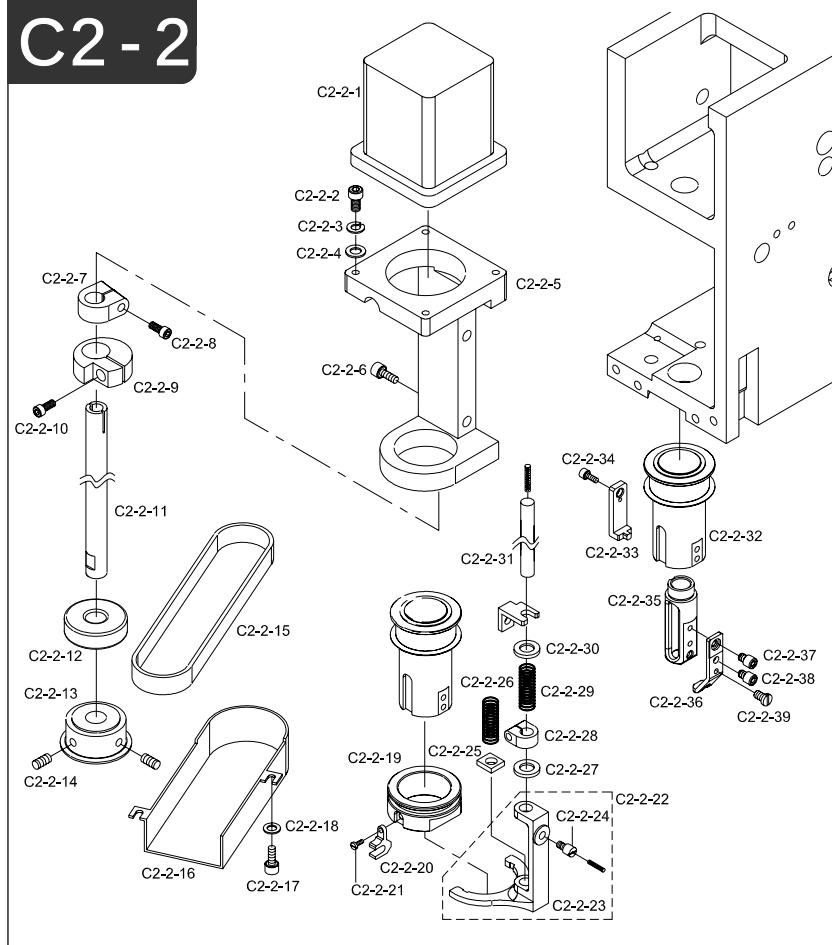


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C2-1-1	STMO1-000005	Nipple Drive Motor				1	
C2-1-2	27075SC-8119	PLUS SCREW (M3*L15)			O	1	
C2-1-3	GP-009535-00	Bracket for Nipple Drive Motor	May,17,05 ~	X		1	
	GP-009535-01		Nov,02,05 ~				
C2-1-4	15105SC-4113	HEX.SOCKET Bolt (M4*L15)			O	1	
C2-1-5	18014SW-3115	SPRING WASHER (@4-NO2)			O	1	
C2-1-6	06003SW-2111	WASHER (@4)				1	
C2-1-7	GP-009537-00	Nipple Motor Lever	May,17,05 ~	X		2	
C2-1-8	03071SC-4113	HEX. SOCKET BOLT (M3*L10)			O	2	
C2-1-9	GP-009536-00	Nipple Motor Lever Stopper	May,17,05 ~	X		2	
C2-1-10	07016SC-7113	HEX.SOCKET BOLT (M4*L12)			O	2	
C2-1-11	GP-009539-00	Nipple Driving Lever	May,17,05 ~	X		1	
	GP-009539-01		Jan,13,09 ~				
C2-1-12	DSC-FA0244-00	Nipple Driving Lever Pin(D)	Feb,17,11 ~	X		1	
	DSC-FA0244-01		Jun,24,11 ~				
C2-1-13	WS-000096-00	Nipple Driving Lever Washer	May,18,05 ~	X		1	
C2-1-14	GP-009538-00	Nipple Driving Lever Connecting Link	May,17,05 ~	X		1	
C2-1-15	PN-000159-00	Nipple Driving Lever Pin(A)	May,18,05 ~	X		1	
	PN-000159-01		Nov,02,05 ~				
C2-1-16	PN-000161-00	Nipple Driving Lever Pin(C)	May,18,05 ~	X		1	
	PN-000161-01		Nov,02,05 ~				
C2-1-17	GP-008864-00	Stroke Arm	Apr,26,05 ~	X		2	
	GP-008864-01		Sep,23,05 ~				
	GP-008864-02		Jan,20,06 ~				
C2-1-18	SC-000356-00	Screw for Nipple Guide	May,18,05 ~	X		2	
	SC-000356-01		Nov,02,05 ~				
C2-1-19	06003SW-2111	WASHER (@4)	Apr,26,05 ~	X	O	1	
C2-1-20	GP-008882-00	Nipple Guide B	Apr,26,05 ~	X		1	
C2-1-21	GP-008883-00	Nipple Guide A Ass'y	Apr,26,05 ~	X		1	
C2-1-22	GP-008872-00	Nipple Cushion Spring	Apr,26,05 ~	X		1	
C2-1-23	CL-000061-00	RF Collar	Apr,26,05 ~	X		1	
C2-1-24	GP-008845-00	Felt"B"	Apr,26,05 ~	X		1	
C2-1-25	PN-000162-00	Nipple Driving Lever Pin(B)	May,18,05 ~	X		1	
	PN-000162-01		Nov,02,05 ~				
C2-1-26	GP-009541-00	Nipple Guide Shaft	May,18,05 ~	X		1	
	GP-009541-01		Dec,13,05 ~				

C2

C2-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C2-2-1	STMO1-000003	Needle Rotating Motor				10	
C2-2-2	15105SC-4113	HEX.SOCKET Bolt (M4*L15)			O	40	
C2-2-3	18014SW-3115	SPRING WASHER (@4-NO2)			O	40	
C2-2-4	18015SW-3111	WASHER (4@)			O	40	
C2-2-5	GP-009533-00	Base For Needle Rotating Motor	May,14,05 ~	X		10	
	GP-009533-01		Jan,20,06 ~				
	GP-009533-02		Apr,07,06 ~				
C2-2-6	18047SC-7113	HEX.SOCKET BOLT (M5*L15)			O	20	
C2-2-7	11101200T000	UPPER DEAD POINT STOPPER				10	
C2-2-8	05026SC-4113	STOPPER SCREW (9/64-11.5)			O	20	
C2-2-9	CL-000062-00	Collar for Needle Rotating Shaft	Apr,26,05 ~	X		10	
C2-2-10	15105SC-4113	HEX.SOCKET Bolt (M4*L15)			O	10	
C2-2-11	GP-008869-00	Needle Bar Rotating Shaft	Apr,26,05 ~	X		10	
C2-2-12	BR-000076-00	Needle Bar Rotating Bearing	Jun,28,05 ~	X		10	
C2-2-13	GP-008887-00	M-Axis Driven Pulley	Apr,26,05 ~	X		10	
	GP-008887-01		Dec,23,08 ~				
C2-2-14	07009SC-4517	HEX.SOCKET SET SCREW (M5*L6)			O	20	
C2-2-15	BE-000032-00	M-Axis Driving Belt	Jun,28,05 ~	X		10	
C2-2-16	GP-009799-00	Pulley Belt Cover	Jun,26,05 ~	X		10	
	GP-009799-01		May,04,06 ~				
C2-2-17	15112SC-7113	HEX. SOCKET Bolt(M3*L8)			O	20	
C2-2-18	06011SW-2111	WASHER (@3)			O	20	
C2-2-19	GP-008890-00	Rotating Ring	Apr,26,05 ~	X		10	
	GP-008890-01		Oct,17,06 ~				
	GP-008890-02		Jan,13,09 ~				
C2-2-20	GP-008891-00	Rotating Ring Guide	Apr,26,05 ~	X		10	
	GP-008891-01		Sep,23,05 ~				
	GP-008891-02		Jan,19,06 ~				
C2-2-21	10-058S-2077	Screw(9/64 n=40,L=5.5)			O	10	
C2-2-22	AS-002872-00	Guide Ring Ass'y	May,18,05 ~	X		10	
	AS-002872-01		Nov,02,05 ~				
C2-2-23	GP-008885-00	Guide ring	Apr,26,05 ~	X		10	
C2-2-24	PN-000164-00	Guide Ring Pin	May,18,05 ~	X		10	
	PN-000164-01		Nov,02,05 ~				
C2-2-25	GP-009562-00	Felt C	May,18,05 ~	X		10	
C2-2-26	GP-009561-00	Spring for Zigzag Driving	May,18,05 ~	X		10	
C2-2-27	GP-009560-00	Cushion Rubber C	May,18,05 ~	X		10	

C2

C2-2

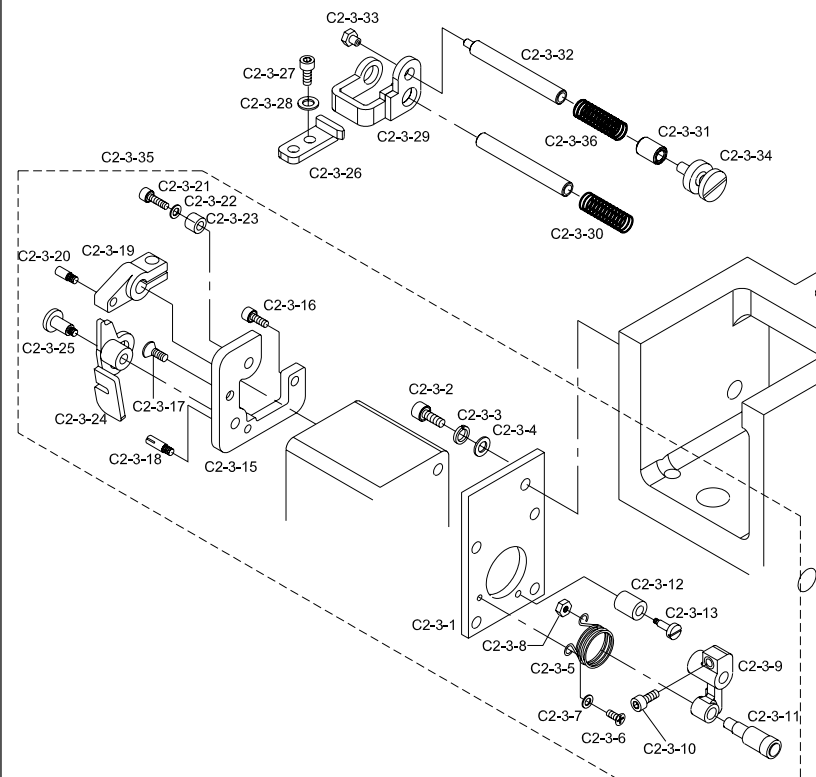
This exploded view diagram illustrates the assembly of the C2-2 unit. The components are labeled as follows:

- C2-2-1**: Top rectangular housing.
- C2-2-2**: Small cylindrical pin.
- C2-2-3**: Small cylindrical pin.
- C2-2-4**: Small cylindrical pin.
- C2-2-5**: Middle rectangular housing with a central opening.
- C2-2-6**: Small cylindrical pin.
- C2-2-7**: Small cylindrical pin.
- C2-2-8**: Small cylindrical pin.
- C2-2-9**: Small cylindrical pin.
- C2-2-10**: Small cylindrical pin.
- C2-2-11**: Long vertical cylindrical component.
- C2-2-12**: Small cylindrical pin.
- C2-2-13**: Small cylindrical pin.
- C2-2-14**: Small cylindrical pin.
- C2-2-15**: Long horizontal rectangular component.
- C2-2-16**: Long horizontal rectangular component.
- C2-2-17**: Small cylindrical pin.
- C2-2-18**: Small cylindrical pin.
- C2-2-19**: Small cylindrical pin.
- C2-2-20**: Small cylindrical pin.
- C2-2-21**: Small cylindrical pin.
- C2-2-22**: Small cylindrical pin.
- C2-2-23**: Small cylindrical pin.
- C2-2-24**: Small cylindrical pin.
- C2-2-25**: Small cylindrical pin.
- C2-2-26**: Small cylindrical pin.
- C2-2-27**: Small cylindrical pin.
- C2-2-28**: Small cylindrical pin.
- C2-2-29**: Small cylindrical pin.
- C2-2-30**: Small cylindrical pin.
- C2-2-31**: Small cylindrical pin.
- C2-2-32**: Small cylindrical pin.
- C2-2-33**: Small cylindrical pin.
- C2-2-34**: Small cylindrical pin.
- C2-2-35**: Small cylindrical pin.
- C2-2-36**: Small cylindrical pin.
- C2-2-37**: Small cylindrical pin.
- C2-2-38**: Small cylindrical pin.
- C2-2-39**: Small cylindrical pin.

Note

C2

C2 - 3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C2 - 3 - 1	GP - 008860 - 00	Jump Motor Base	Apr,26,05 ~	X		10	
	GP - 008860 - 01		Apr,28,06 ~				
C2 - 3 - 2	04010MC - 7113	HEX.SOCKET BOLT (M4*L10)			O	40	
C2 - 3 - 3	18014SW - 3115	SPRING WASHER (3@)			O	40	
C2 - 3 - 4	18015SW - 3111	WASHER (4@)			O	40	
C2 - 3 - 5	GP - 009528 - 00	Jump Return Spring	May,17,05 ~	X		10	
C2 - 3 - 6	08006SC - 8118	PLUS SCREW (M3*L5)			O	10	
C2 - 3 - 7	06011SW - 2111	WASHER (@3)			O	10	
C2 - 3 - 8	03031SN - A001	PIN. NUT (11/64,N=40)			O	10	
C2 - 3 - 9	GP - 009526 - 00	Jump Driving Crank	May,17,05 ~	X		10	
C2 - 3 - 10	02023SC - 7113	HEX.SOCKET BOLT (M4*L8)			O	10	
C2 - 3 - 11	AS - 002760 - 00	Jump Crank Roller Ass'y	Jun,29,04 ~	X		10	
	AS - 002760 - 01		Jun,16,08 ~				
C2 - 3 - 12	03410300H000	JUMP CRANK STOPPER				10	
C2 - 3 - 13	03411300H000	JUMP CLUTCH LEVER STUD BOLT				10	
C2 - 3 - 14	03410200H000	JUMP MOTOR (103H548-0496)				10	
C2 - 3 - 15	GP - 009524 - 00	Jump Clutch Base	May,17,05 ~	X		10	
C2 - 3 - 16	22006SC - 7113	HEX. SOCKET BOLT (M3*L8)			O	10	
C2 - 3 - 17	21002SC - 8119	PLUS SCREW (M3*L8)			O	10	
C2 - 3 - 18	GP - 010264 - 00	Jump Clutch Lever Stopper Screw	Jun,28,05 ~	X		10	
	GP - 010264 - 01		Nov,02,05 ~				
C2 - 3 - 19	03410900H000	JUMP DRIVING CLUTCH				10	
C2 - 3 - 20	03411000H000	JUMP DRIVING CLUTCH PIN				10	
C2 - 3 - 21	03071SC - 4113	HEX.SOCKET BOLT (M3*L10)			O	10	
C2 - 3 - 22	06011SW - 2111	WASHER (@3)			O	10	
C2 - 3 - 23	03304900H000	UPPER THREAD HOLDER STOPPER				10	
C2 - 3 - 24	GP - 009531 - 00	Jump Driving Clutch Lever	May,17,05 ~	X		10	
C2 - 3 - 25	03411400H000	JUMP CRANK STOPPER STUD SCREW				10	
C2 - 3 - 26	GP - 009486 - 00	Take-Up Guide Rail	May,17,05 ~	X		10	
	GP - 009486 - 01		Apr,13,06 ~				
C2 - 3 - 27	07016SC - 7113	HEX.SOCKET BOLT (M4*L12)			O	20	
C2 - 3 - 28	05026SC - 4113	STOPPER SCREW (9/64 - 11.5)			O	20	
C2 - 3 - 29	GP - 009517 - 00	Take-Up Lever Slide Plate	May,17,05 ~	X		10	
	GP - 009517 - 01		Feb,16,06 ~				
C2 - 3 - 30	GP - 009518 - 00	Take-Up Lever Return Spring(A)	May,17,05 ~	X		10	
	GP - 009518 - 01		Mar,31,06 ~				
	GP - 009518 - 02		Mar,24,11 ~				
C2 - 3 - 31	GP - 009510 - 00	Guide Shaft Bush	May,17,05 ~	X		10	

C2

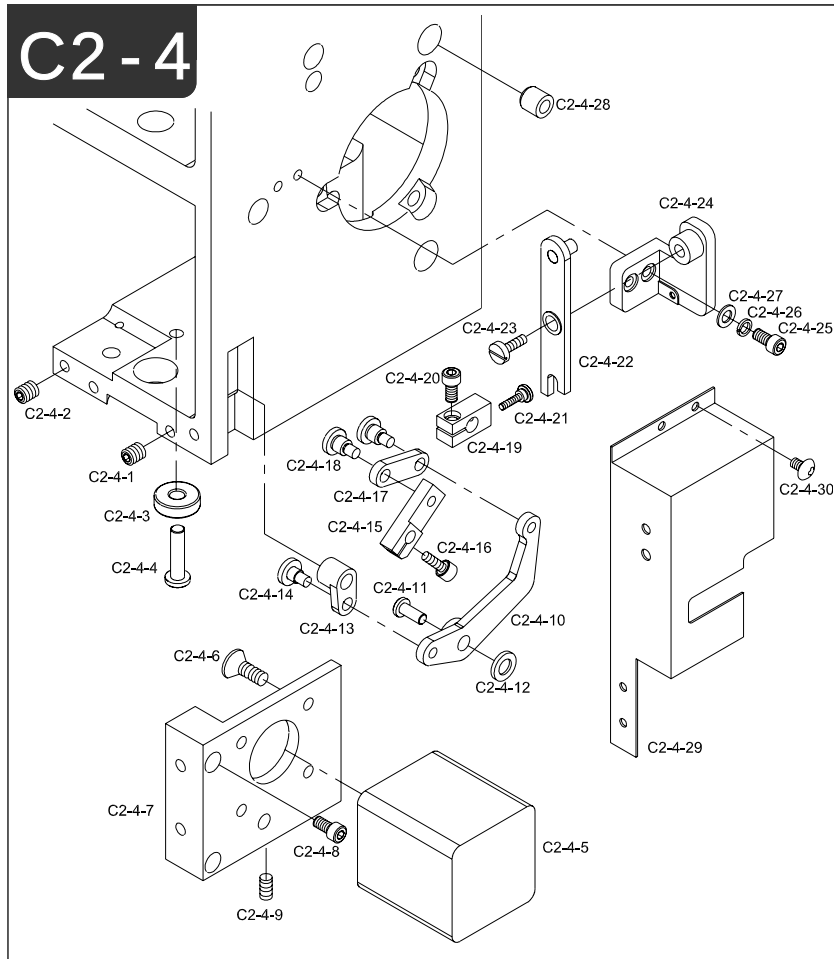
This exploded view diagram illustrates the assembly of the C2-3 component. The diagram shows the following parts and their assembly sequence:

- Top Section:**
 - Part **C2-3-33** is shown at the top.
 - Part **C2-3-27** (a screw) is shown below it.
 - Part **C2-3-28** (a bracket) is shown below the screw.
 - Part **C2-3-29** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-26** (a bracket) is shown below the bracket.
- Right Section:**
 - Part **C2-3-32** (a long rod) is shown.
 - Part **C2-3-36** (a spring) is shown below the rod.
 - Part **C2-3-31** (a cap) is shown to the right of the spring.
 - Part **C2-3-34** (a cap) is shown to the right of the cap.
 - Part **C2-3-30** (a long rod) is shown below the spring.
- Left Section:**
 - Part **C2-3-35** (a bracket) is shown at the top left.
 - Part **C2-3-21** (a screw) is shown below it.
 - Part **C2-3-22** (a screw) is shown below the screw.
 - Part **C2-3-23** (a screw) is shown below the screw.
 - Part **C2-3-20** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-19** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-25** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-24** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-17** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-18** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-16** (a bracket) is shown to the left of the bracket.
 - Part **C2-3-15** (a bracket) is shown to the left of the bracket.
- Bottom Section:**
 - Part **C2-3-2** (a bracket) is shown at the bottom left.
 - Part **C2-3-3** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-4** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-1** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-8** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-5** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-7** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-6** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-12** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-13** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-9** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-11** (a bracket) is shown to the right of the bracket.
 - Part **C2-3-10** (a bracket) is shown to the right of the bracket.

[illegible]

C2

C2-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C2-4-1	03020SC-A001	DRIVE PIN SCREW 11/64,N40,L8			O	20	
C2-4-2	10015SC-4517	HEX. SOCKET SET SCREW(M4*L10)				20	
C2-4-3	BR-000077-00	Bearing	Jun,28,05 ~	X		10	
C2-4-4	PN-000148-00	Bearing Pin	Apr,26,05 ~	X		10	
C2-4-5	MO-000018-00	Zigzag Motor	Aug,16,05 ~	X		10	
C2-4-6	13061SC-8119	PLUS SCREW (M3*L10)			O	40	
C2-4-7	GP-009542-00	Zigzag Motor Base	May,18,05 ~	X		10	
	GP-009542-01		Mar,07,06 ~				
C2-4-8	11029SC-4113	HEX. SOCKET BOLT (M4*L20)			O	20	
C2-4-9	13030SC-4517	HEX. SOCKET SET SCREW (M4*L8)			O	10	
C2-4-10	GP-009551-00	Plate for Zigzag Driving	May,18,05 ~	X		10	
C2-4-11	PN-000163-00	Connecting Pin for Zigzag Driving	May,18,05 ~	X		10	
	PN-000163-01		Nov,02,05 ~				
C2-4-12	WS-000097-00	Washer for Zigzag Driving Plate	May,18,05 ~	X		10	
C2-4-13	GP-009558-00	Link for Zigzag Driving	May,18,05 ~	X		10	
C2-4-14	GP-009550-00	Screw for Zigzag Driving	May,18,05 ~	X		10	
	GP-009550-01		Nov,02,05 ~				
C2-4-15	GP-009543-00	Zigzag Motor Lever	May,18,05 ~	X		10	
C2-4-16	03071SC-4113	HEX. SOCKET BOLT (M3*L10)			O	10	
C2-4-17	GP-008547-00	Joint Plate for Zigzag Driving	Apr,12,05 ~	X		10	
C2-4-18	DSC-FA0247-00	Screw for Zigzag Driving	Feb,16,11 ~	X		20	
	DSC-FA0247-01		Jun,24,11 ~				
C2-4-19	GP-009523-00	Take-Up Lever Clutch Slide Bracket	May,17,05 ~	X		10	
C2-4-20	15112SC-7113	HEX. SOCKET Bolt(M3*L8)			O	10	
C2-4-21	PN-000157-00	Take-Up Lever Clutch Slide Bracket Pin(A)	May,17,05 ~	X		10	
C2-4-22	GP-009522-00	Take-Up Lever Clutch	May,17,05 ~	X		10	
	GP-009522-01		Apr,13,06 ~				
	GP-009522-02		Jul,13,06 ~				
	GP-009522-03		Jan,13,09 ~				
C2-4-23	PN-000156-00	Take-Up Lever Clutch Pin	May,17,05 ~	X		10	
	PN-000156-01		Nov,02,05 ~				
	PN-000156-02		Apr,13,06 ~				
C2-4-24	GP-009521-00	Take-Up Lever Clutch Bracket	May,17,05 ~	X		10	
	GP-009521-01		Sep,23,05 ~				
	GP-009521-02		Apr,13,06 ~				
	GP-009521-03		Jul,13,06 ~				

C2

C2-4

This exploded view diagram illustrates the assembly of the C2-4 unit. The components are labeled as follows:

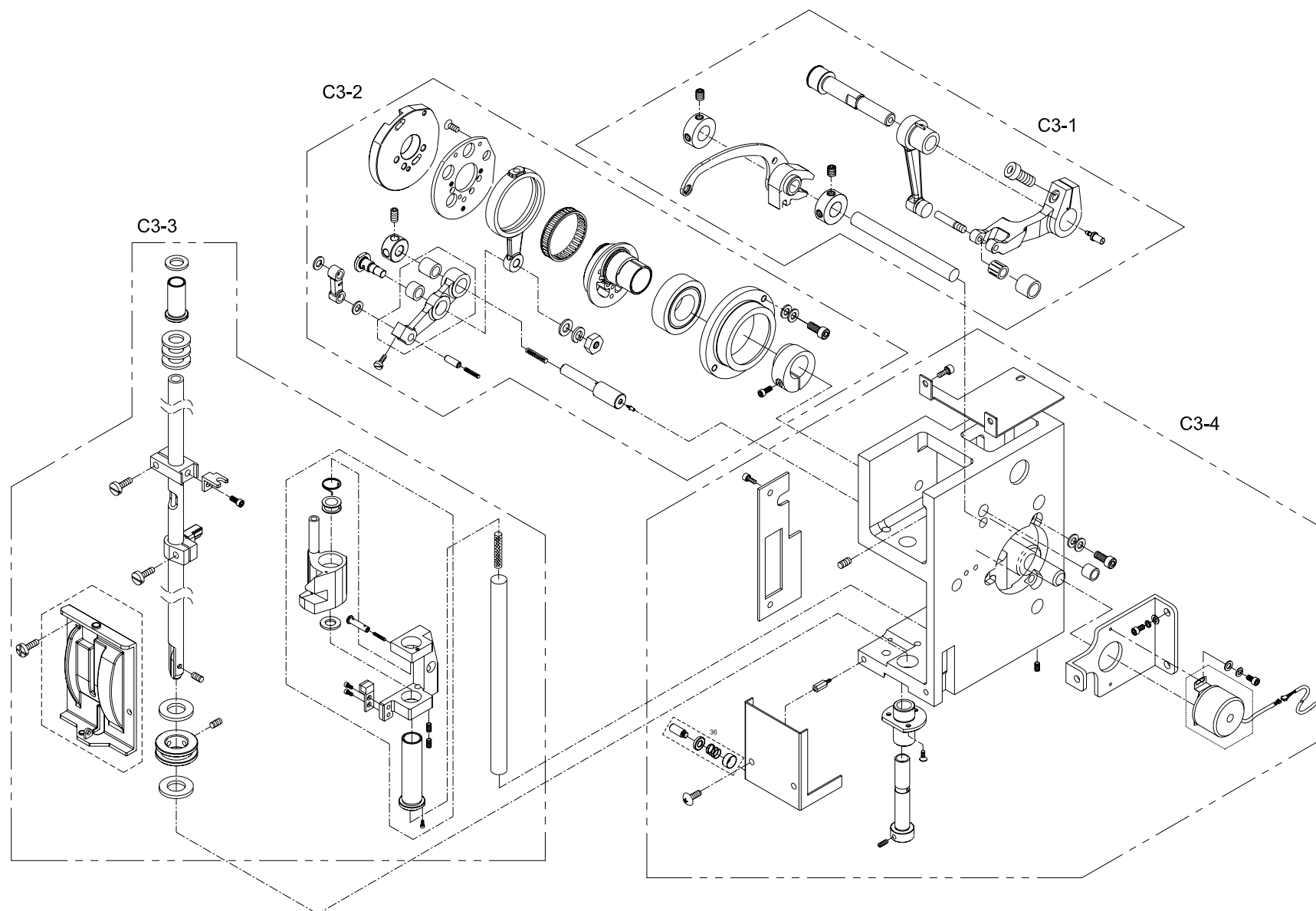
- C2-4-1: Washer
- C2-4-2: Bolt
- C2-4-3: Washer
- C2-4-4: Bolt
- C2-4-5: Main unit housing
- C2-4-6: Bolt
- C2-4-7: Mounting plate
- C2-4-8: Bolt
- C2-4-9: Washer
- C2-4-10: Lever arm
- C2-4-11: Pin
- C2-4-12: Washer
- C2-4-13: Pin
- C2-4-14: Pin
- C2-4-15: Lever arm
- C2-4-16: Pin
- C2-4-17: Pin
- C2-4-18: Pin
- C2-4-19: Bolt
- C2-4-20: Bolt
- C2-4-21: Bolt
- C2-4-22: Bolt
- C2-4-23: Bolt
- C2-4-24: Bolt
- C2-4-25: Bolt
- C2-4-26: Bolt
- C2-4-27: Bolt
- C2-4-28: Bolt
- C2-4-29: Mounting plate
- C2-4-30: Bolt

Note

[illegible]

C2

Arm 1 (Coiling)-TA-WL012-120



C3 - 1

This exploded view diagram illustrates the assembly of the C3-1 unit. The components are labeled as follows:

- C1-1-1**: A small cylindrical pin or plug.
- C1-1-2**: A small cylindrical pin or plug.
- C1-1-3**: A small cylindrical pin or plug.
- C1-1-4**: A small cylindrical pin or plug.
- C1-1-5**: A small cylindrical pin or plug.
- C1-1-6**: A small cylindrical pin or plug.
- C1-1-7**: A small cylindrical pin or plug.
- C1-1-8**: A small cylindrical pin or plug.
- C1-1-9**: A small cylindrical pin or plug.
- C1-1-10**: A small cylindrical pin or plug.
- C1-1-11**: A small cylindrical pin or plug.
- C1-1-12**: A small cylindrical pin or plug.
- C1-1-13**: A small cylindrical pin or plug.
- C1-1-14**: A small cylindrical pin or plug.
- C1-1-15**: A small cylindrical pin or plug.
- C1-1-16**: A small cylindrical pin or plug.
- C1-1-17**: A small cylindrical pin or plug.

The diagram shows the main housing (C1-1-1) and the internal components (C1-1-2 through C1-1-17) being assembled into it. The components are shown in their relative positions and orientations for assembly.

Note	
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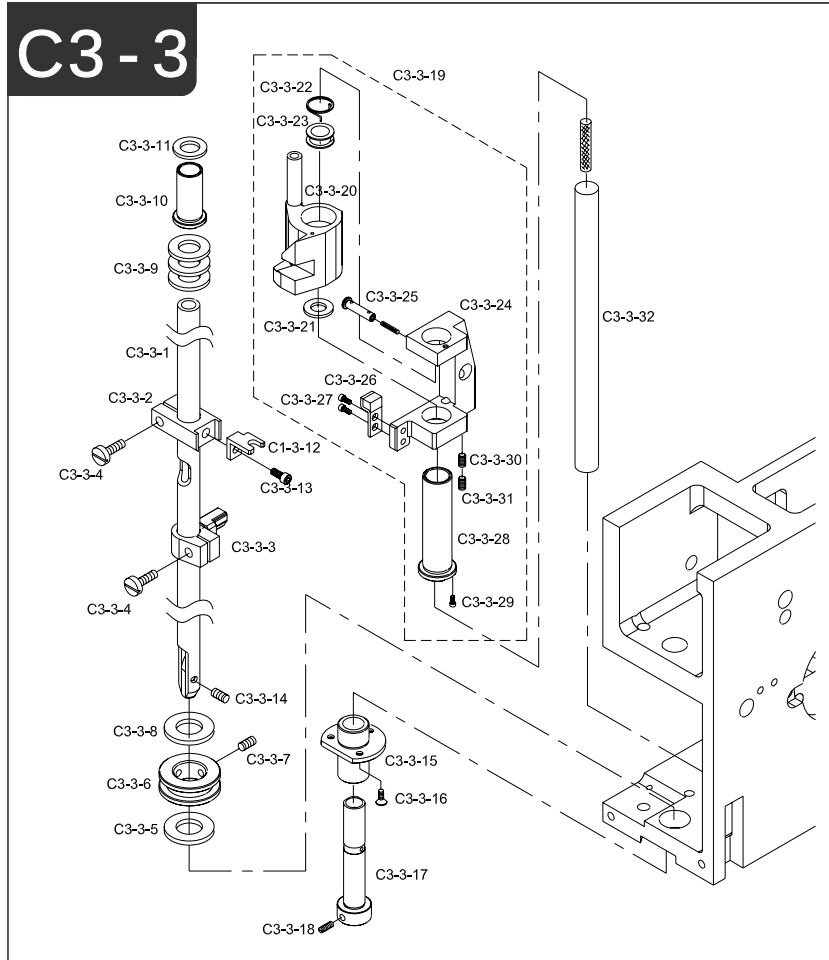
C3

[illegible]

Note

C3

C3 - 3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C3 - 3 - 1	GP - 009491 - 00	Needle Bar	May,17,05 ~	X		10	
	GP - 009491 - 01		Oct,31,08 ~				
C3 - 3 - 2	GP - 008865 - 00	Upper Dead Point Stopper	Apr,26,05 ~	X		10	
	GP - 008865 - 01		Dec,18,08 ~				
C3 - 3 - 3	GP - 008866 - 00	Needle Bar Holder	Apr,26,05 ~	X		10	
	GP - 008866 - 01		Oct,31,08 ~				
C3 - 3 - 4	05026SC - 4113	STOPPER SCREW (9/64 - 11.5)			O	20	
C3 - 3 - 5	GP - 008846 - 00	Felt "A"	Apr,26,05 ~	X		10	
C3 - 3 - 6	GP - 008881 - 00	Nipple Ring	Apr,26,05 ~	X		10	
	GP - 008881 - 01		Jan,20,06 ~				
	GP - 008881 - 02		Apr,03,08 ~				
C3 - 3 - 7	SC - 000380 - 00	Nipple Ring Screw	Jun,28,05 ~	X		20	
C3 - 3 - 8	GP - 009490 - 00	Needle Bar Felt	May,17,05 ~	X		10	
C3 - 3 - 9	GP - 009493 - 00	Cushion Rubber "B"	May,17,05 ~	X		30	
C3 - 3 - 10	GP - 008870 - 00	Needle Shaft Upper Bush	Apr,26,05 ~	X		10	
C3 - 3 - 11	GP - 010265 - 00	Felt(D)	Jun,28,05 ~	X		10	
C3 - 3 - 12	GP - 009492 - 00	Spring Stopper	May,17,05 ~	X		10	
	GP - 009492 - 01		Sep,23,05 ~				
	GP - 009492 - 02		Jul,25,06 ~				
C3 - 3 - 13	SC - 0506 - 1600	Hex.Socket Bolt(9/64,N40,L6)			O	10	
C3 - 3 - 14	SC - 000449 - 00	Needle for Fixed Screw				10	
C3 - 3 - 15	GP - 008873 - 00	Nipple Sleeve	Apr,26,05 ~	X		10	
C3 - 3 - 16	27076SC - 8119	C.S SCREW (M3*L12)			O	30	
C3 - 3 - 17	GP - 009087 - 00	Nipple Guide Pipe	May,06,05 ~	X		10	
	GP - 009087 - 01		Jan,20,06 ~				
	GP - 009087 - 02		Jan,12,09 ~				
C3 - 3 - 18	SC - 0113 - 3400	Set Screw(11/64",n=40,L=2.5)			O	2	
C3 - 3 - 19	AS - 003447 - 00	NEEDLE BAR REECIPROCATOR SET	Sep,14,05 ~	X		10	
C3 - 3 - 20	03600200I000	NEEDLE BAR REECIPROCATOR				10	
C3 - 3 - 21	03048SW - A001	RECIROCATOR WASHER				10	
C3 - 3 - 22	03045SP - B001	JUMP SPRING				10	
C3 - 3 - 23	03046CW - B001	JUMP SPRING GUIDE				10	
C3 - 3 - 24	03600100I000	NEEDLEBAR DRIVING SHAFT DRIVER				10	
C3 - 3 - 25	03033CW - A001	DRIVER PIN				10	
C3 - 3 - 26	03600300I000	RECIROCATOR STOPPER				10	
C3 - 3 - 27	03046SC - 8118	PLUS SCREW (M2.6*L4)			O	20	
C3 - 3 - 28	03304710A000	NEEDLE BAR DRIVING SHAFT BUSH				10	
C3 - 3 - 29	03006MC - 3123	TRUSS SCREW (M3*L6)			O	10	

C3

C3 - 3

This exploded view diagram illustrates the assembly of the C3-3 unit. The components are labeled as follows:

- C3-3-1**: Main vertical shaft or tube.
- C3-3-2**: Bracket or support arm.
- C3-3-3**: Small bracket or connector.
- C3-3-4**: Screws used for assembly.
- C3-3-5**: Flange or ring component.
- C3-3-6**: Flange or ring component.
- C3-3-7**: Small screw or pin.
- C3-3-8**: Flange or ring component.
- C3-3-9**: Flange or ring component.
- C3-3-10**: Flange or ring component.
- C3-3-11**: Flange or ring component.
- C3-3-12**: Small bracket or connector.
- C3-3-13**: Small screw or pin.
- C3-3-14**: Small screw or pin.
- C3-3-15**: Small screw or pin.
- C3-3-16**: Small screw or pin.
- C3-3-17**: Vertical shaft or tube.
- C3-3-18**: Small screw or pin.
- C3-3-19**: Dashed box indicating a sub-assembly area.
- C3-3-20**: L-shaped bracket or support.
- C3-3-21**: Small screw or pin.
- C3-3-22**: Small screw or pin.
- C3-3-23**: Small screw or pin.
- C3-3-24**: Small bracket or connector.
- C3-3-25**: Small screw or pin.
- C3-3-26**: Small bracket or connector.
- C3-3-27**: Small screw or pin.
- C3-3-28**: Vertical shaft or tube.
- C3-3-29**: Small screw or pin.
- C3-3-30**: Small screw or pin.
- C3-3-31**: Small screw or pin.
- C3-3-32**: Long vertical tube or shaft.

The diagram shows the assembly sequence and the relative positions of the components. Dashed lines indicate the assembly path and the sub-assembly area (C3-3-19).

Note

C3

This exploded view diagram illustrates the assembly of the C3-4 unit. The components and their assembly sequence are as follows:

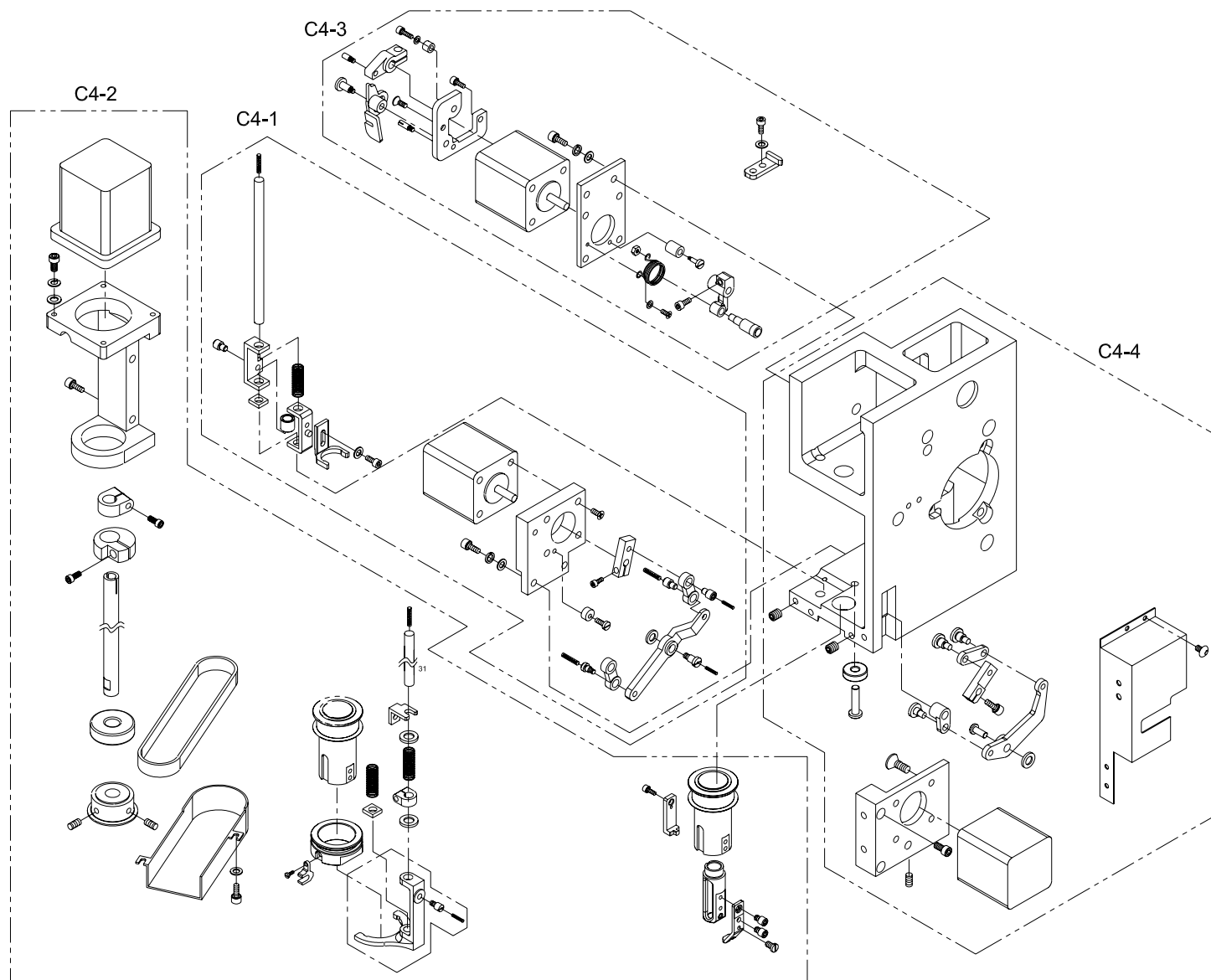
- C3-4-1**: The main rectangular housing, shown in the center.
- C3-4-2**: A small bracket or plug that fits into the top of the housing.
- C3-4-3**: A vertical plate that is attached to the side of the housing.
- C3-4-4**: A screw used to secure the side plate (C3-4-3).
- C3-4-5**: A component that fits into the front of the housing, likely a door or cover.
- C3-4-6**: A screw used to secure the front component (C3-4-5).
- C3-4-7**: A vertical plate that is attached to the bottom of the housing.
- C3-4-8**: A set of three screws used to secure the bottom plate (C3-4-7).
- C3-4-9**: A screw used to secure the bottom plate (C3-4-7).
- C3-4-10**: A screw used to secure the bottom plate (C3-4-7).
- C3-4-11**: A circular component, likely a motor or actuator, that is attached to the bottom of the housing.
- C3-4-12**: A cable or wire that is connected to the circular component (C3-4-11).
- C3-4-13**: A small component that fits into the bottom of the housing.
- C3-4-14**: A small component that fits into the bottom of the housing.
- C3-4-15**: A bracket or plate that is attached to the bottom of the housing.
- C3-4-16**: A screw used to secure the bottom bracket (C3-4-15).
- C3-4-17**: A screw used to secure the bottom bracket (C3-4-15).
- C3-4-18**: A screw used to secure the bottom bracket (C3-4-15).

Note

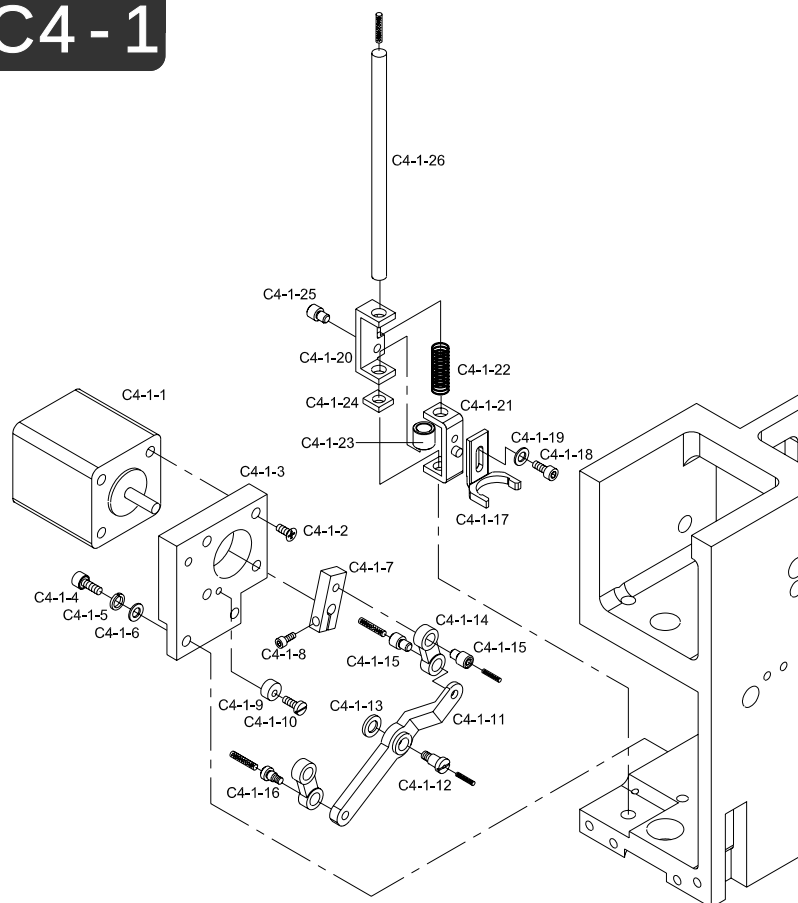
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Arm 2 (Coiling)TA-WL012-120



C4-1

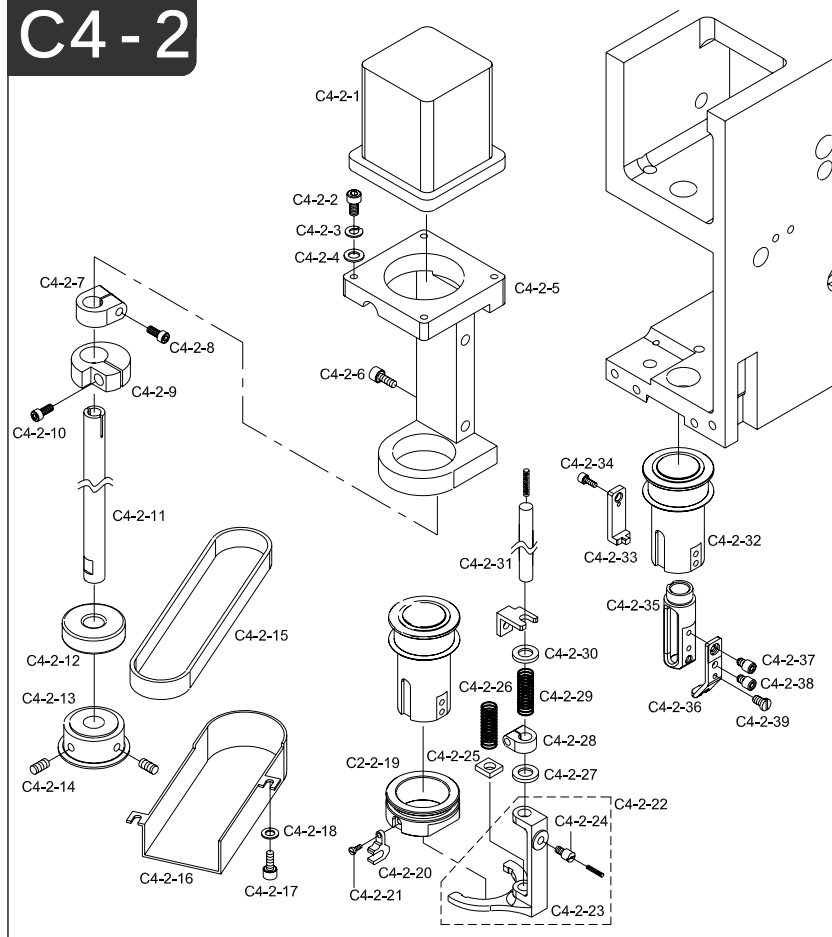


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C4-1-1	STMO1-000005	Nipple Drive Motor				1	
C4-1-2	27075SC-8119	PLUS SCREW (M3*L15)			O	1	
C4-1-3	GP-009535-00	Bracket for Nipple Drive Motor	May,17,05 ~	X		1	
	GP-009535-01		Nov,02,05 ~				
C4-1-4	15105SC-4113	HEX.SOCKET Bolt (M4*L15)			O	1	
C4-1-5	18014SW-3115	SPRING WASHER (@4-NO2)			O	1	
C4-1-6	06003SW-2111	WASHER (@4)				1	
C4-1-7	GP-009537-00	Nipple Motor Lever	May,17,05 ~	X		2	
C4-1-8	03071SC-4113	HEX. SOCKET BOLT (M3*L10)			O	2	
C4-1-9	GP-009536-00	Nipple Motor Lever Stopper	May,17,05 ~	X		2	
C4-1-10	07016SC-7113	HEX.SOCKET BOLT (M4*L12)			O	2	
C4-1-11	GP-009539-00	Nipple Driving Lever	May,17,05 ~	X		1	
	GP-009539-01		Jan,13,09 ~				
C4-1-12	DSC-FA0244-00	Nipple Driving Lever Pin(D)	Feb,17,11 ~	X		1	
	DSC-FA0244-01		Jun,24,11 ~				
C4-1-13	WS-000096-00	Nipple Driving Lever Washer	May,18,05 ~	X		1	
C4-1-14	GP-009538-00	Nipple Driving Lever Connecting Link	May,17,05 ~	X		1	
C4-1-15	PN-000159-00	Nipple Driving Lever Pin(A)	May,18,05 ~	X		1	
	PN-000159-01		Nov,02,05 ~				
C4-1-16	PN-000161-00	Nipple Driving Lever Pin(C)	May,18,05 ~	X		1	
	PN-000161-01		Nov,02,05 ~				
C4-1-17	GP-008864-00	Stroke Arm	Apr,26,05 ~	X		2	
	GP-008864-01		Sep,23,05 ~				
	GP-008864-02		Jan,20,06 ~				
C4-1-18	SC-000356-00	Screw for Nipple Guide	May,18,05 ~	X		2	
	SC-000356-01		Nov,02,05 ~				
C4-1-19	06003SW-2111	WASHER (@4)	Apr,26,05 ~	X	O	1	
C4-1-20	GP-008882-00	Nipple Guide B	Apr,26,05 ~	X		1	
C4-1-21	GP-008883-00	Nipple Guide A Ass'y	Apr,26,05 ~	X		1	
C4-1-22	GP-008872-00	Nipple Cushion Spring	Apr,26,05 ~	X		1	
C4-1-23	CL-000061-00	RF Collar	Apr,26,05 ~	X		1	
C4-1-24	GP-008845-00	Felt"B"	Apr,26,05 ~	X		1	
C4-1-25	PN-000162-00	Nipple Driving Lever Pin(B)	May,18,05 ~	X		1	
	PN-000162-01		Nov,02,05 ~				
C4-1-26	GP-009541-00	Nipple Guide Shaft	May,18,05 ~	X		1	
	GP-009541-01		Dec,13,05 ~				

C4

C4-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C4-2-1	STMO1-000003	Needle Rotating Motor				10	
C4-2-2	15105SC-4113	HEX.SOCKET Bolt (M4*L15)			O	40	
C4-2-3	18014SW-3115	SPRING WASHER (@4-NO2)			O	40	
C4-2-4	18015SW-3111	WASHER (4@)			O	40	
C4-2-5	GP-009533-00	Base For Needle Rotating Motor	May,14,05 ~	X		10	
	GP-009533-01		Jan,20,06 ~				
	GP-009533-02		Apr,07,06 ~				
C4-2-6	18047SC-7113	HEX.SOCKET BOLT (M5*L15)			O	20	
C4-2-7	11101200T000	UPPER DEAD POINT STOPPER				10	
C4-2-8	05026SC-4113	STOPPER SCREW (9/64-11.5)			O	20	
C4-2-9	CL-000062-00	Collar for Needle Rotating Shaft	Apr,26,05 ~	X		10	
C4-2-10	15105SC-4113	HEX.SOCKET Bolt (M4*L15)			O	10	
C4-2-11	GP-008869-00	Needle Bar Rotating Shaft	Apr,26,05 ~	X		10	
C4-2-12	BR-000076-00	Needle Bar Rotating Bearing	Jun,28,05 ~	X		10	
C4-2-13	GP-008887-00	M-Axis Driven Pulley	Apr,26,05 ~	X		10	
	GP-008887-01		Dec,23,08 ~				
C4-2-14	07009SC-4517	HEX.SOCKET SET SCREW (M5*L6)			O	20	
C4-2-15	BE-000032-00	M-Axis Driving Belt	Jun,28,05 ~	X		10	
C4-2-16	GP-009799-00	Pulley Belt Cover	Jun,26,05 ~	X		10	
	GP-009799-01		May,04,06 ~				
C4-2-17	15112SC-7113	HEX. SOCKET Bolt(M3*L8)			O	20	
C4-2-18	06011SW-2111	WASHER (@3)			O	20	
C4-2-19	GP-008890-00	Rotating Ring	Apr,26,05 ~	X		10	
	GP-008890-01		Oct,17,06 ~				
	GP-008890-02		Jan,13,09 ~				
C4-2-20	GP-008891-00	Rotating Ring Guide	Apr,26,05 ~	X		10	
	GP-008891-01		Sep,23,05 ~				
	GP-008891-02		Jan,19,06 ~				
C4-2-21	10-058S-2077	Screw(9/64 n=40,L=5.5)			O	10	
C4-2-22	AS-002872-00	Guide Ring Ass'y	May,18,05 ~	X		10	
	AS-002872-01		Nov,02,05 ~				
C4-2-23	GP-008885-00	Guide ring	Apr,26,05 ~	X		10	
C4-2-24	PN-000164-00	Guide Ring Pin	May,18,05 ~	X		10	
	PN-000164-01		Nov,02,05 ~				
C4-2-25	GP-009562-00	Felt C	May,18,05 ~	X		10	
C4-2-26	GP-009561-00	Spring for Zigzag Driving	May,18,05 ~	X		10	
C4-2-27	GP-009560-00	Cushion Rubber C	May,18,05 ~	X		10	

C4

C4-2

This exploded view diagram illustrates the assembly of the C4-2 unit. The components are labeled as follows:

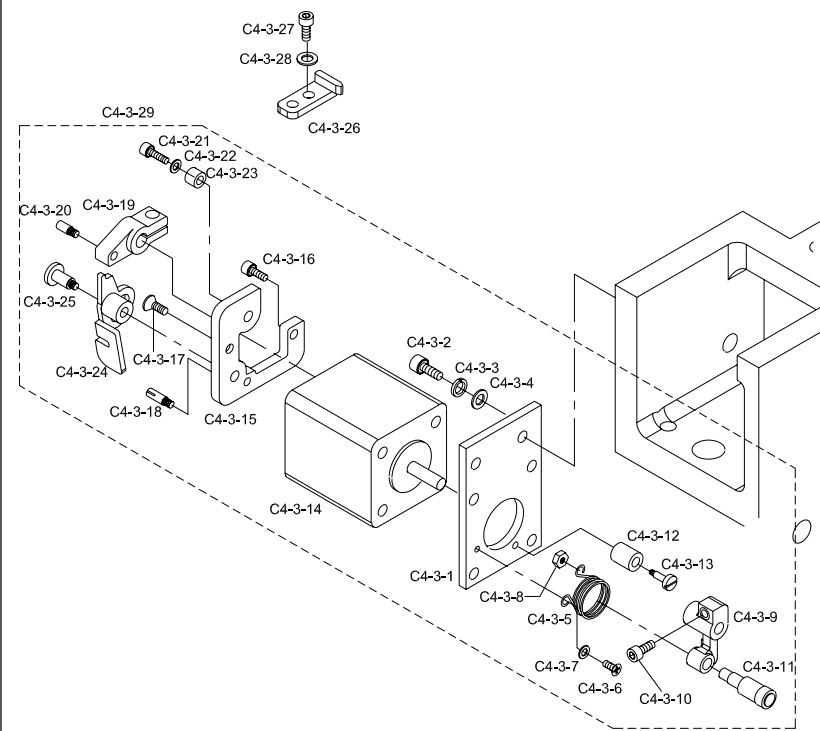
- C4-2-1**: Top rectangular housing.
- C4-2-2**, **C4-2-3**, **C4-2-4**: Small fasteners for the top housing.
- C4-2-5**: Middle rectangular housing.
- C4-2-6**: Fastener for the middle housing.
- C4-2-7**, **C4-2-8**, **C4-2-9**: Components for the side mounting bracket.
- C4-2-10**: Long vertical support rod.
- C4-2-11**: Short vertical support rod.
- C4-2-12**, **C4-2-13**: Washers or spacers.
- C4-2-14**: Small fastener.
- C4-2-15**: U-shaped component.
- C4-2-16**, **C4-2-17**, **C4-2-18**: Components for the bottom housing.
- C4-2-19**: Fastener for the bottom housing.
- C4-2-20**, **C4-2-21**: Fasteners for the bottom housing.
- C4-2-22**: Dashed box indicating a sub-assembly of **C4-2-23** and **C4-2-24**.
- C4-2-25**: Fastener for the bottom housing.
- C4-2-26**, **C4-2-27**: Fasteners for the bottom housing.
- C4-2-28**: Fastener for the bottom housing.
- C4-2-29**: Fastener for the bottom housing.
- C4-2-30**: Fastener for the bottom housing.
- C4-2-31**: Fastener for the bottom housing.
- C4-2-32**: Fastener for the bottom housing.
- C4-2-33**, **C4-2-34**: Fasteners for the bottom housing.
- C4-2-35**: Fastener for the bottom housing.
- C4-2-36**, **C4-2-37**, **C4-2-38**, **C4-2-39**: Fasteners for the bottom housing.

Note

[illegible]

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C4 - 3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
C4 - 3 - 1	GP - 008860 - 00	Jump Motor Base	Apr,26,05 ~	X		10	
	GP - 008860 - 01		Apr,28,06 ~				
C4 - 3 - 2	04010MC - 7113	HEX.SOCKET BOLT (M4*L10)			O	40	
C4 - 3 - 3	18014SW - 3115	SPRING WASHER (3@)			O	40	
C4 - 3 - 4	18015SW - 3111	WASHER (4@)			O	40	
C4 - 3 - 5	GP - 009528 - 00	Jump Return Spring	May,17,05 ~	X		10	
C4 - 3 - 6	08006SC - 8118	PLUS SCREW (M3*L5)			O	10	
C4 - 3 - 7	06011SW - 2111	WASHER (@3)			O	10	
C4 - 3 - 8	03031SN - A001	PIN. NUT (11/64,N=40)			O	10	
C4 - 3 - 9	GP - 009526 - 00	Jump Driving Crank	May,17,05 ~	X		10	
C4 - 3 - 10	02023SC - 7113	HEX.SOCKET BOLT (M4*L8)			O	10	
C4 - 3 - 11	AS - 002760 - 00	Jump Crank Roller Ass'y	Jun,29,04 ~	X		10	
	AS - 002760 - 01		Jun,16,08 ~				
C4 - 3 - 12	03410300H000	JUMP CRANK STOPPER				10	
C4 - 3 - 13	03411300H000	JUMP CLUTCH LEVER STUD BOLT				10	
C4 - 3 - 14	03410200H000	JUMP MOTOR (103H548-0496)				10	
C4 - 3 - 15	GP - 009524 - 00	Jump Clutch Base	May,17,05 ~	X		10	
C4 - 3 - 16	22006SC - 7113	HEX. SOCKET BOLT (M3*L8)			O	10	
C4 - 3 - 17	21002SC - 8119	PLUS SCREW (M3*L8)			O	10	
C4 - 3 - 18	GP - 010264 - 00	Jump Clutch Lever Stopper Screw	Jun,28,05 ~	X		10	
	GP - 010264 - 01		Nov,02,05 ~				
C4 - 3 - 19	03410900H000	JUMP DRIVING CLUTCH				10	
C4 - 3 - 20	03411000H000	JUMP DRIVING CLUTCH PIN				10	
C4 - 3 - 21	03071SC - 4113	HEX.SOCKET BOLT (M3*L10)			O	10	
C4 - 3 - 22	06011SW - 2111	WASHER (@3)			O	10	
C4 - 3 - 23	03304900H000	UPPER THREAD HOLDER STOPPER				10	
C4 - 3 - 24	GP - 009531 - 00	Jump Driving Clutch Lever	May,17,05 ~	X		10	
C4 - 3 - 25	03411400H000	JUMP CRANK STOPPER STUD SCREW				10	
C4 - 3 - 26	GP - 009486 - 00	Take - Up Guide Rail	May,17,05 ~	X		10	
	GP - 009486 - 01		Apr,13,06 ~				
C4 - 3 - 27	07016SC - 7113	HEX.SOCKET BOLT (M4*L12)			O	20	
C4 - 3 - 28	05026SC - 4113	STOPPER SCREW (9/64 - 11.5)			O	20	
C4 - 3 - 29	AS - 003092 - 00	Jump Assy	Jul,02,05 ~			10	
	AS - 003092 - 01		Nov,02,05				
	AS - 003092 - 02		Jun,01,09				
	AS - 003092 - 03		Jun,01,09				
	AS - 003092 - 04		Jun,01,09				

C4

C4-4

This exploded view diagram illustrates the assembly of the C4-4 component. The parts are labeled as follows:

- C4-4-1: Washer
- C4-4-2: Bolt
- C4-4-3: Nut
- C4-4-4: Bolt
- C4-4-5: Main housing unit
- C4-4-6: Bolt
- C4-4-7: Flange plate
- C4-4-8: Bolt
- C4-4-9: Nut
- C4-4-10: Bolt
- C4-4-11: Nut
- C4-4-12: Washer
- C4-4-13: Bolt
- C4-4-14: Nut
- C4-4-15: Bracket
- C4-4-16: Bolt
- C4-4-17: Nut
- C4-4-18: Bolt
- C4-4-19: Side panel
- C4-4-20: Bolt

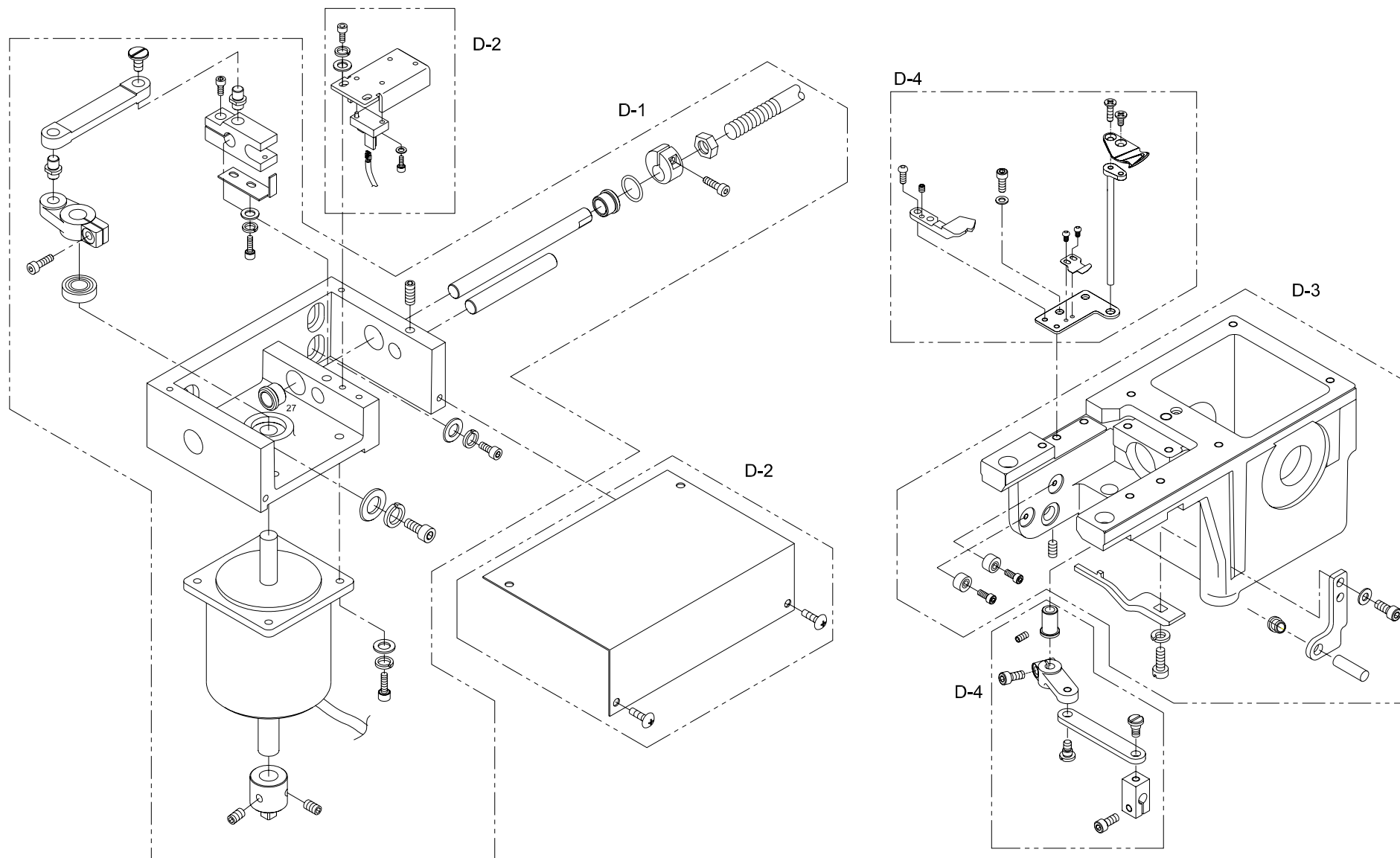
The diagram shows the assembly sequence for the C4-4 component, which is a part of the C4-4 system. The components are shown in an exploded view, indicating their relative positions and the order of assembly. The main housing (C4-4-5) is the central component, with various mounting brackets and fasteners (C4-4-1 through C4-4-20) used to secure it to the structure. The side panel (C4-4-19) is also shown, which is attached to the main housing using bolt C4-4-20.

Note

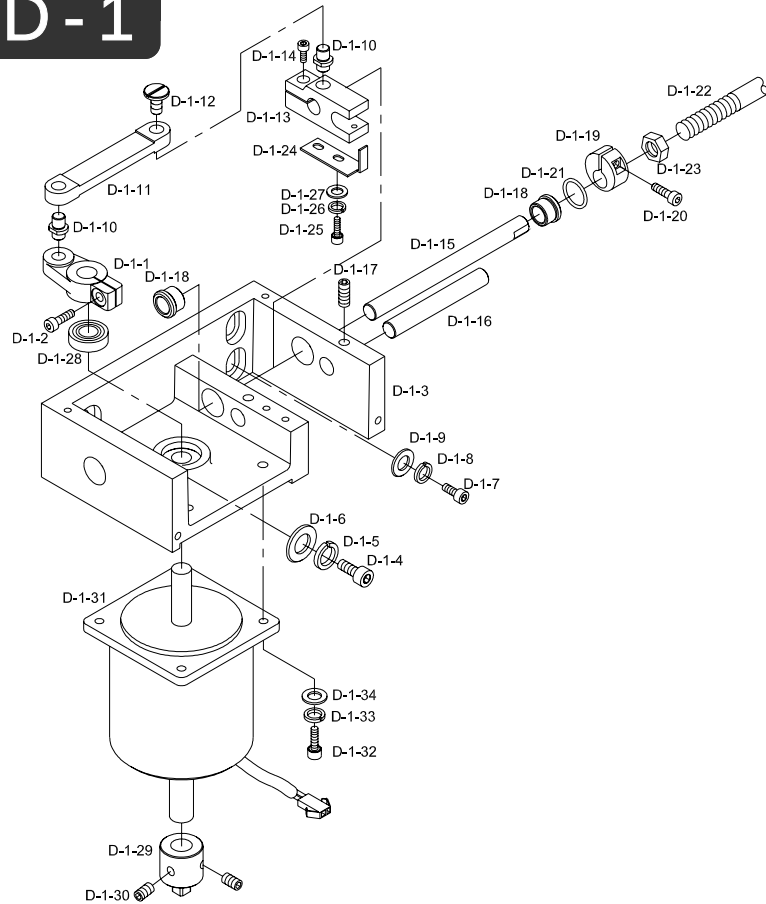
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50

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)			O	1	
D-1-3	GP-015257-00	Mes Cam Driving Box	Feb,16,06 ~	X		1	
D-1-4	14003SC-4113	Hex. Socket Bolt (M8*L25)			O	1	
D-1-5	04029SW-A001	Stud Bolt Washer(S) (@8)			O	1	
D-1-6	15095SW-3115	Spring Washer (@8)			O	1	
D-1-7	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	2	
D-1-8	03025SW-1211	Washer (@6)				2	
D-1-9	03026SW-9115	Spring Washer (@6)			O	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)			O	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)			O	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)			O	1	
D-1-22	GP-009072-00	Mes Driving Shaft(A)(L=1300)	May,04,05 ~	X		1	
	GP-009073-00	Mes Driving Shaft(B)(L=1350)	May,04,05 ~	X		2	
	GP-009074-00	Mes Driving Shaft(C)(L=1279)	May,04,05 ~	X		1	
D-1-23	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
D-1-24	GP-015265-00	Limit Sensor Plate	Feb,15,06 ~	X		1	
	GP-015265-01		May,12,06 ~				
D-1-25	22006SC-7113	Hex. Socket Bolt (M3*L8)			O	2	
D-1-26	06011SW-2111	Washer (@3)			O	2	
D-1-27	11019SW-9115	Spring Washer (3@)			O	2	
D-1-28	03701000H000	Ball Bearing (6001Z)			O	1	
D-1-29	03701200H000	Motor Driving Nob				1	
D-1-30	14060AF-4517	Hex.Socket Screw(M6*L6)			O	2	
D-1-31	16055MT-UK06	Y-MOTOR(103H8223-5114)				1	
D-1-32	18047SC-7113	HEX/ SOCKET BOLT (M5*L15)			O	4	
D-1-33	18049SW-3111	Washer (@5)			O	4	
D-1-34	18048SW-3115	Spring Washer (@5)			O	4	
D-1-35	AS-004111-00	Mes Cam Driving Box Assy	Feb,17,06 ~	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 plate.
- D-2-2**: A screw used to secure the top cover.
- D-2-3**: A washer or spacer for the top cover.
- D-2-4**: A nut for the top cover.
- D-2-5**: A small bracket or connector.
- D-2-6**: A cable or hose with a connector.
- D-2-7**: A screw for the cable/hose connection.
- D-2-8**: A large rectangular panel or cover.
- D-2-9**: Screws used to secure the large panel.

The diagram shows the main housing (D-2-1) with various ports and mounting points. The top cover (D-2-2, D-2-3, D-2-4) is shown being attached to the top. The cable/hose (D-2-5, D-2-6, D-2-7) is shown being connected to the side. The large panel (D-2-8) is shown being attached to the front with screws (D-2-9).

Note



Note

[illegible]

D - 4

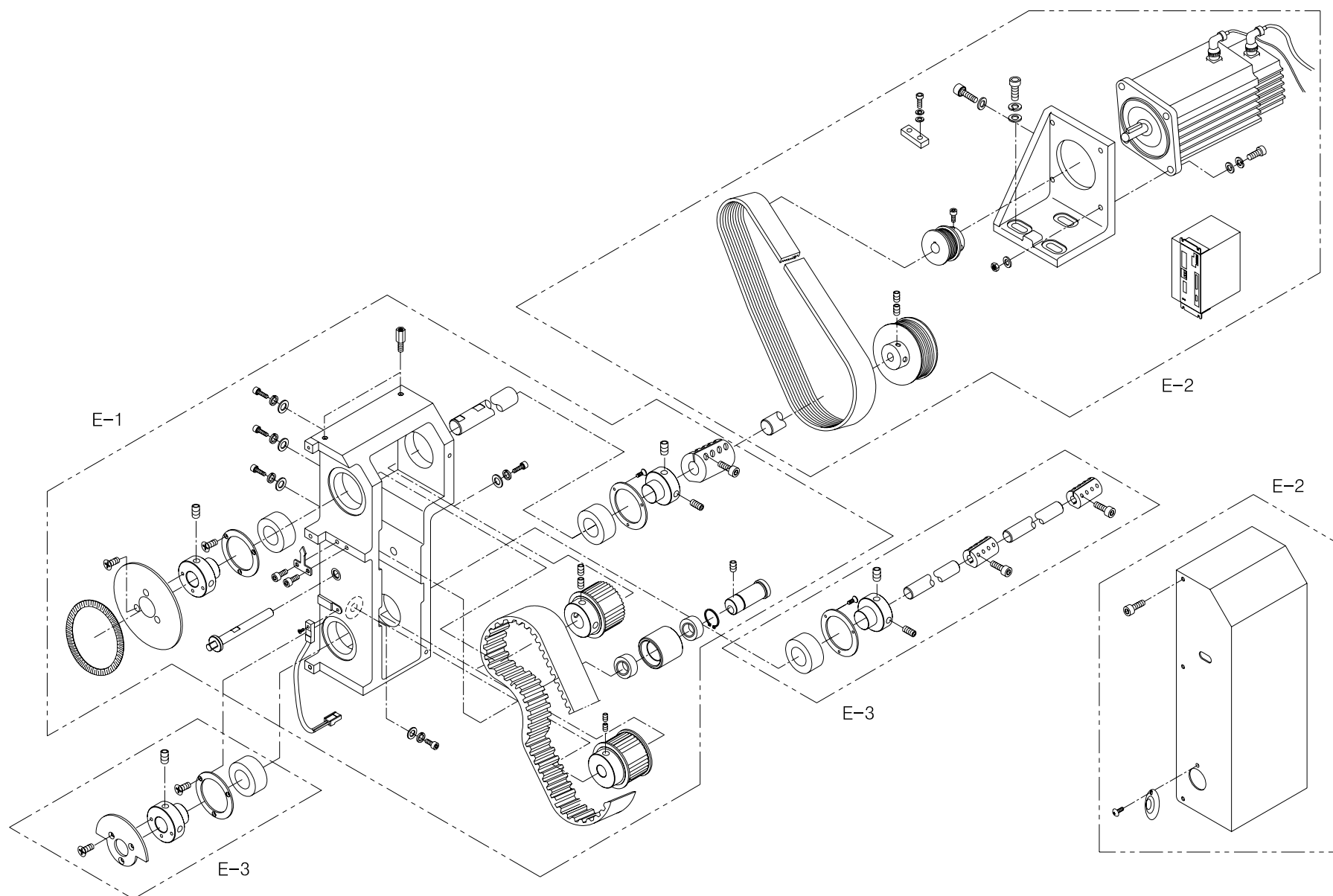
This exploded view diagram illustrates the assembly of the D-4 unit. The components are labeled as follows:

- C2-4-1: Washer
- C2-4-2: Bolt
- C2-4-3: Washer
- C2-4-4: Bolt
- C2-4-5: Main housing unit
- C2-4-6: Bolt
- C2-4-7: Mounting plate
- C2-4-8: Bolt
- C2-4-9: Washer
- C2-4-10: Bracket
- C2-4-11: Bolt
- C2-4-12: Washer
- C2-4-13: Bolt
- C2-4-14: Bracket
- C2-4-15: Bolt
- C2-4-16: Bracket
- C2-4-17: Bolt
- C2-4-18: Bolt
- C2-4-19: Bolt
- C2-4-20: Bolt
- C2-4-21: Bolt
- C2-4-22: Bolt
- C2-4-23: Bolt
- C2-4-24: Bolt
- C2-4-25: Bolt
- C2-4-26: Bolt
- C2-4-27: Bolt
- C2-4-28: Bolt
- C2-4-29: Bolt
- C2-4-30: Bolt

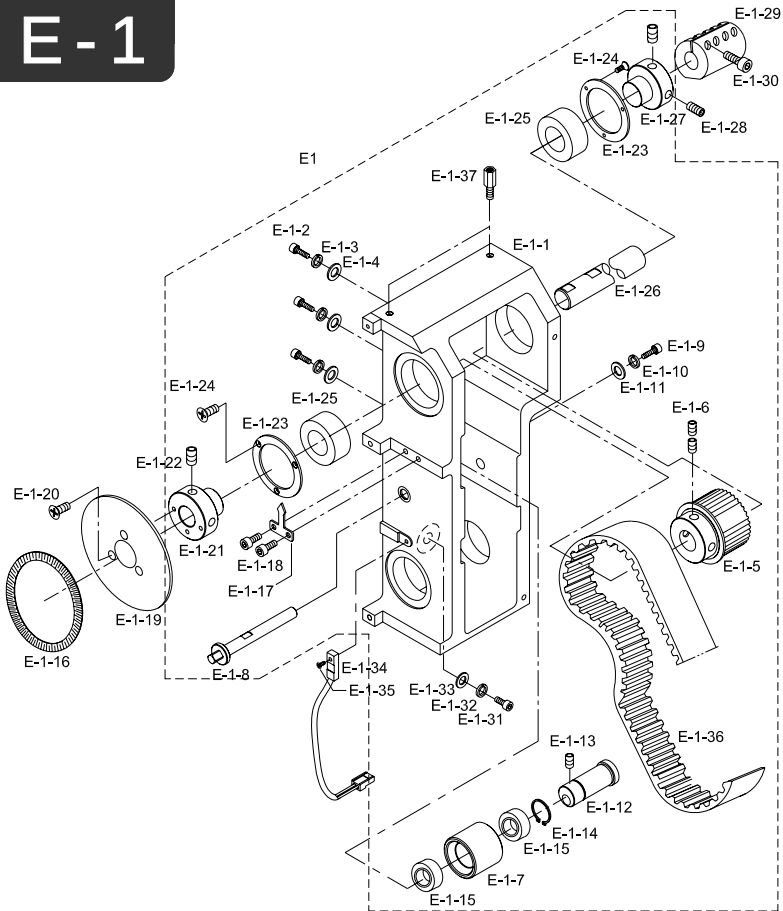
Note

D

Main Drive System



E-1



Note

E1,E2: AS-001830-00 MAIN DRIVING PULLEY BOX Assy (Feb,03,05 ~)
AS-001830-01 MAIN DRIVING PULLEY BOX Assy (Jan,04,06 ~)

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
E-1-1	GP-006641-00	MAIN DRIVING PULLEY BOX (SA)	Dec,29,04 ~	X		1	
	GP-006641-01		Aug,20,05 ~				
E-1-2	03003SC-4113	Pulley Box Screw [M8×L35]			O	3	
E-1-3	15095SW-3115	Pulley Box Spring Washer [Ø8]			O	3	
E-1-4	04029SW-A001	Pulley Box Washer [Ø8]			O	3	
E-1-5	03200900I000	Pulley for Upper Shaft Ass'y				1	
E-1-6	14061AF-4517	Hex.Socket Screw(M8*L8)			O	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)			O	1	
E-1-10	04029SW-A001	Washer (Ø8)			O	1	
E-1-11	15095SW-3115	Spring Washer (Ø8)			O	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)			O	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)			O	2	
E-1-19	03005710H000	Angle Plate Base @20				1	
E-1-20	21002SC-8119	Plus Screw (M3-L8)			O	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)			O	6	
E-1-25	01001100H000	Ball Bearing (6005Zz)			O	4	
E-1-26	GP-006655-00	Top Shaft "A" [190mm]	Dec,29,04 ~	X		1	
E-1-27	03005210H000	Collar "A"				1	
E-1-28	14060AF-4517	Hex.Socket Screw(M6*L6)			O	4	
E-1-29	GP-044599-00	COUPLING @20	Dec,23,08 ~	X	O	4	
E-1-30	08091SC-7113	Hex,Socket Bolt (M6×L20)			O	16	
E-1-31	08091SC-7113	Hex,Socket Bolt (M8×L10)			O	1	
E-1-32	16014SW-4115	Spring Washer (Ø8)			O	1	
E-1-33	03025SW-1211	Washer (Ø8)			O	1	
E-1-34	15-027A-2070	SENSOR				2	
E-1-35	27076SC-8119	Hex.Socket Bolt (M3*L12)			O	2	
E-1-36	03200800I000	Timing Belt (B300 S5M 625)				1	

E1,E2: AS-001830-00	MAIN DRIVING PULLEY BOX Assy (Feb,03,05 ~)
AS-001830-01	MAIN DRIVING PULLEY BOX Assy (Jan,04,06 ~)



E-2

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

- E-2-1**: A small cylindrical component that fits into the bottom of the main housing.
- E-2-2**: A long, flexible, braided hose or cable that connects to the main housing.
- E-2-3**: A pulley or wheel that fits onto the end of the hose.
- E-2-4**: A small cylindrical component that fits into the pulley.
- E-2-5**: A small cylindrical component that fits into the pulley.
- E-2-6**: A small cylindrical component that fits into the pulley.
- E-2-7**: A large, rectangular, ribbed component that fits into the main housing.
- E-2-8**: A small cylindrical component that fits into the main housing.
- E-2-9**: A small cylindrical component that fits into the main housing.
- E-2-10**: A small cylindrical component that fits into the main housing.
- E-2-11**: A small cylindrical component that fits into the main housing.
- E-2-12**: A small cylindrical component that fits into the main housing.
- E-2-13**: A small cylindrical component that fits into the main housing.
- E-2-14**: A small cylindrical component that fits into the main housing.
- E-2-15**: A small cylindrical component that fits into the main housing.
- E-2-16**: A small cylindrical component that fits into the main housing.
- E-2-17**: A small cylindrical component that fits into the main housing.
- E-2-18**: A small cylindrical component that fits into the main housing.
- E-2-19**: A small cylindrical component that fits into the main housing.
- E-2-20**: A small cylindrical component that fits into the main housing.
- E-2-21**: A small cylindrical component that fits into the main housing.
- E-2-22**: A small rectangular component that fits into the main housing.
- E-2-23**: A large, rectangular, ribbed component that fits into the main housing.
- E-2-24**: A small cylindrical component that fits into the main housing.
- E-2-25**: A small cylindrical component that fits into the main housing.
- E-2-26**: A small cylindrical component that fits into the main housing.

Note

E

E-3

The diagram illustrates the assembly of the E-3 component, showing the main housing and various sub-assemblies. The components are labeled as follows:

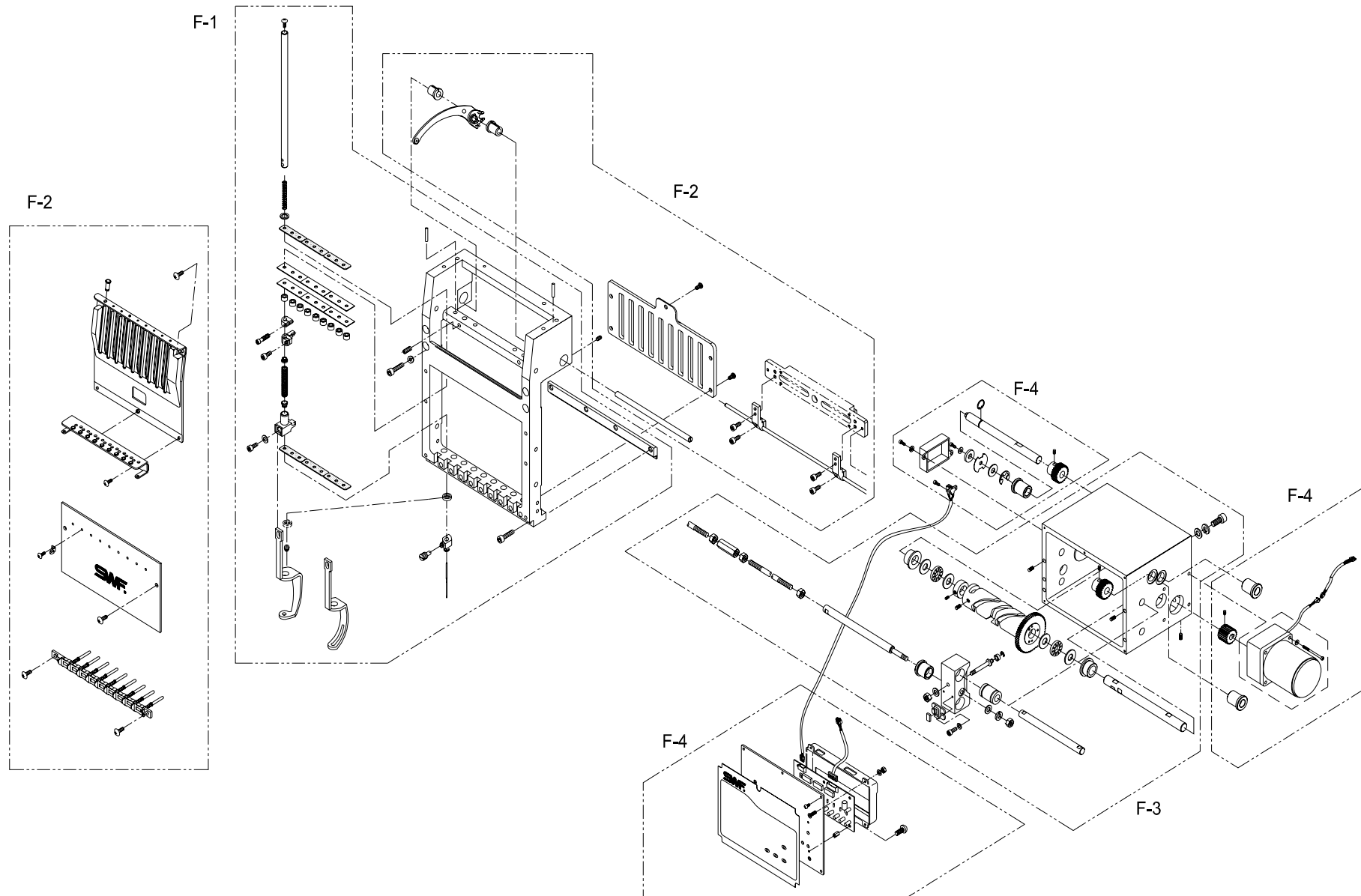
- E-3-1: Flange with four mounting holes.
- E-3-2: Bolt for E-3-1.
- E-3-3: Nut for E-3-6.
- E-3-4: Washer for E-3-6.
- E-3-5: Flange with four mounting holes.
- E-3-6: Bolt for E-3-3.
- E-3-7: Flange with four mounting holes.
- E-3-8: Motor assembly.
- E-3-9: Bolt for E-3-8.
- E-3-10: Bolt for E-3-11.
- E-3-11: Flange with four mounting holes.
- E-3-12: Bolt for E-3-13.
- E-3-13: Flange with four mounting holes.
- E-3-14: Bolt for E-3-15.
- E-3-15: Flange with four mounting holes.

The assembly sequence is indicated by the labels and the exploded view. The main housing is shown at the top, with the motor assembly (E-3-8) being installed into it. The sub-assemblies (E-3-1, E-3-3, E-3-4, E-3-5, E-3-6, E-3-7, E-3-10, E-3-11, E-3-12, E-3-13, E-3-14, E-3-15) are shown below the main housing, indicating their relative positions and the order of assembly.

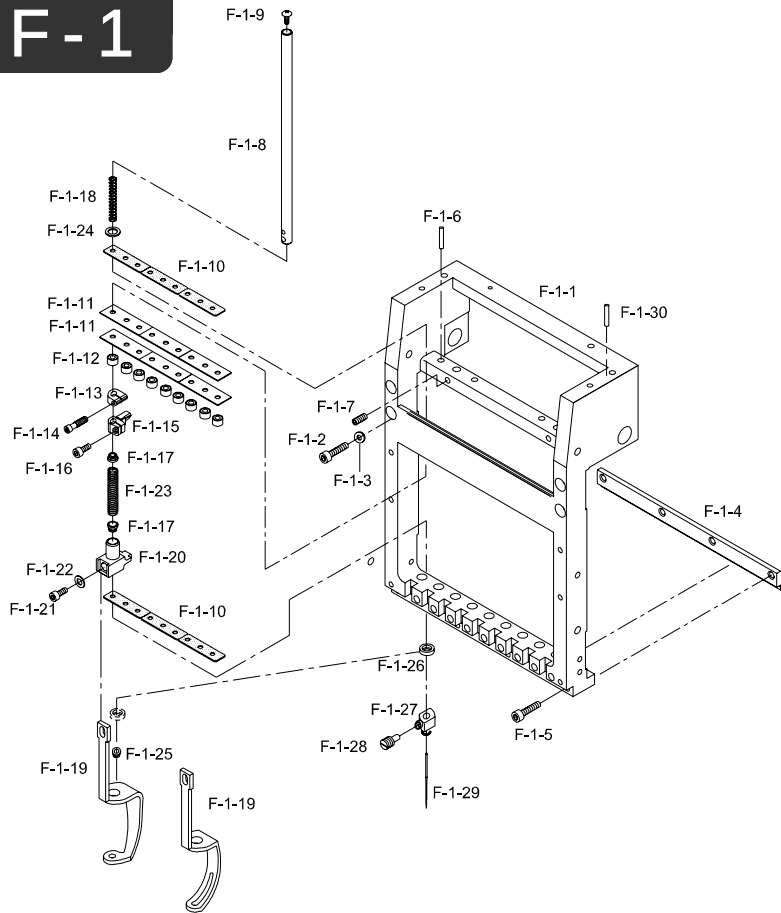
E1,E2: AS-001830-00	MAIN DRIVING PULLEY BOX Assy (Feb,03,05 ~)
AS-001830-01	MAIN DRIVING PULLEY BOX Assy (Jan,04,06 ~)

E

Head & Color Change



F-1

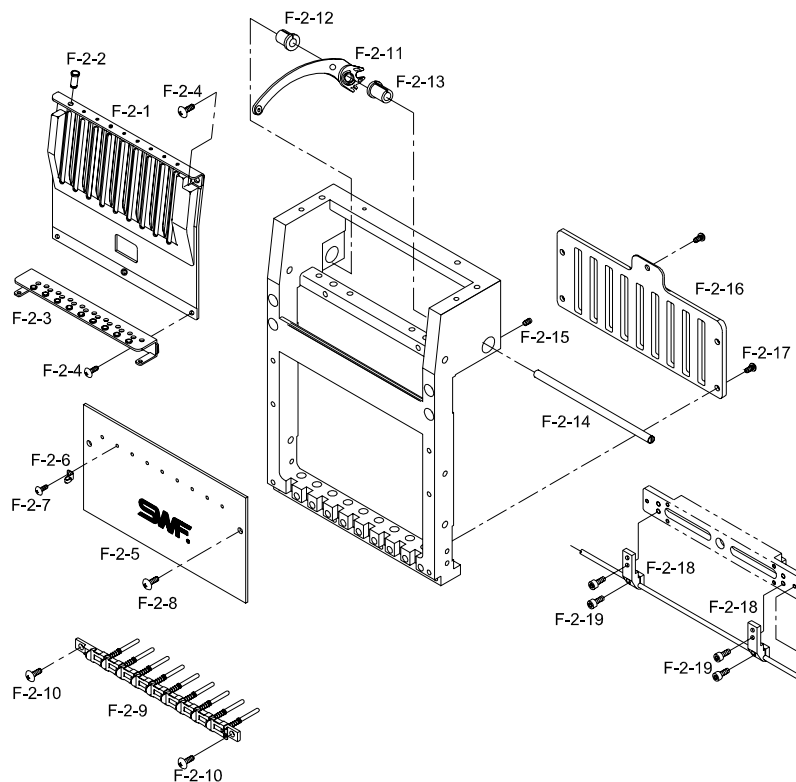


Note

F1,F2: AS-003198-00 Head Assy

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F - 1 - 1	GP - 009809 - 00	Head	May,26,05 ~	X		10	
	GP - 009809 - 01		Sep,05,06 ~				
	GP - 009809 - 02		Nov,14,06 ~				
	GP - 009809 - 03		Mar,26,07 ~				
	GP - 009809 - 04		Dec,14,07 ~				
F - 1 - 2	05008SC - 4113	Hex.Socket Bolt (M4*L16)			O	40	
F - 1 - 3	06003SW - 2111	Washer (@4)			O	40	
F - 1 - 4	08201303I000	Head Rail				10	
F - 1 - 5	05014SC - 7113	Hex. Socket Bolt (M4*L23)			O	40	
F - 1 - 6	05015CW - A001	Head Base Pin(@5*L15)			O	20	
F - 1 - 7	03022SC - 4517	Hex. Socket Set Screw(M4*L5)			O	20	
F - 1 - 8	05018CW - A001	Needle Bar				90	
F - 1 - 9	05019SC - A001	Needle Bar Cover Screw (M5*L6)			O	90	
F - 1 - 10	05021SF - A001	FELT				60	
F - 1 - 11	05023RB - A001	Needle Bar Cushion Rubber "A"				60	
F - 1 - 12	05024RB - A001	Needle Bar Cushion Rubber "B"				90	
F - 1 - 13	11101200T000	Upper Dead Point Stopper				90	
F - 1 - 14	05026SC - 4113	Stopper Screw (9/64 - 11.5)				90	
F - 1 - 15	GP - 044777 - 00	Needle Bar Holder	Jan,12,09 ~	X		90	
	GP - 044777 - 01		Jan,18,10 ~				
F - 1 - 16	05028SC - 4113	Holder Screw (9/64 - L8)			O	90	
F - 1 - 17	05021PM - H001	Presser Foot Spring Guide				180	
F - 1 - 18	08201000I000	Needle Bar Return Spring				90	
F - 1 - 19	08200500I000	PRESSER FOOT				90	
	GP - 006119 - 00	PRESSER FOOT (L) (Option)	Dec,09,04 ~	X		90	
F - 1 - 20	08200900I000	Presser Foot Holder A'ssy				90	
F - 1 - 21	05026SC - H001	Presser Foot Bolt				90	
F - 1 - 22	05027PR - H001	PRESSER FOOT HOLDER WASHER				90	
F - 1 - 23	08200800I000	Needle Bar Return Spring				90	
F - 1 - 24	05022SW - A001	SPRING SHOE WASHER				90	
F - 1 - 25	05031AF - A001	PRESSER FOOT GUIDE BUSH				90	
F - 1 - 26	08201200H000	Presser Foot Cushion Rubber A				90	
F - 1 - 27	05036CW - A001	Needle Fixed Holder Set				90	
F - 1 - 28	05363SC - A001	Needle Fixed Screw (A/S)				90	
F - 1 - 29	05037DB - A001	Needle (Db - K5, #11)			O	90	
F - 1 - 30	01303700H000	TENSION PLATE PIN				20	

F-2



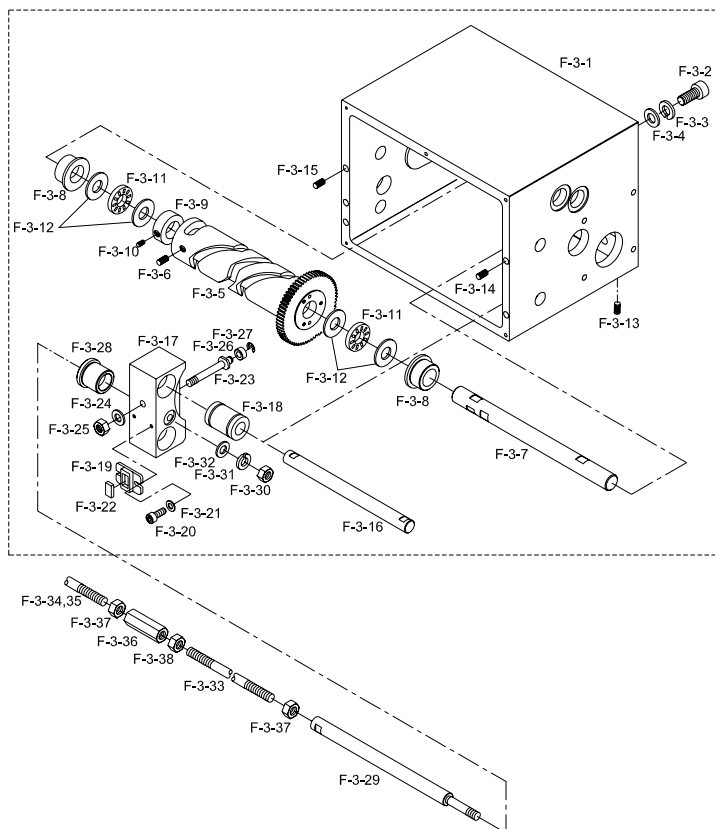
Note

F1,F2: AS-003198-00 Head Assy

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-2-1	10200103B000	Head Face Plate (U) 9C				10	
F-2-2	10200100H000	Thread Guide Bush "A-1"				90	
F-2-3	AS-000484-00	Thread Guide (M) Set (9C)	Jun,23,04 ~	X		10	
	AS-000484-01		May,10,07 ~				
	AS-000484-02		Jun,18,07 ~				
	AS-000484-03		Aug,29,07 ~				
	AS-000484-04		Dec,11,08 ~				
	AS-000484-05		Dec,11,08 ~				
	AS-000484-06		Jan,14,09 ~				
	AS-000484-07		Jan,30,09 ~				
	AS-000484-08		Feb,17,09 ~				
	AS-000484-09		Jan,26,10 ~				
	AS-000484-10		Aug,13,10 ~				
F-2-4	SC-001625-00	Thread Guide (M) Screw (9/64 n=40)	Jan,19,09 ~	X		40	
	SC-001625-01		Feb,17,09 ~				
F-2-5	12001703I000	Head Face Plate(L)				10	
F-2-6	11012PR-B001	Thread Guide				90	
F-2-7	09005SC-3123	Truss Bolt (M3*L5)			O	90	
F-2-8	05070SC-3123	HEAD FACE PLATE (U) SCREW				20	
F-2-9	10900003I000	Thread Holding Device A'ssy				10	
F-2-10	05070SC-3123	Truss Bolt 9/64 n=40				20	
F-2-11	GP-052667-00	Take-Up Lever Set	Jun,24,11 ~	X		90	
F-2-12	08203000A000	Take-Up Lever Shaft Bush(L)				10	
F-2-13	08200800A000	Take-Up Lever Shaft Bush(R)				10	
F-2-14	08200503A000	Take-Up Lever Shaft (9C)				10	
F-2-15	07009SC-4517	Hex. Socket Bolt(M5*L6)			O	20	
F-2-16	08200203I000	Needle Bar Guide Rail (9C)				10	
F-2-17	05041SC-A001	Bolt (9/64 n=40)				50	
F-2-18	GP-009083-00	Color Change Bracket	May,04,05 ~	X		20	
	GP-009083-01		Dec,18,08 ~				
F-2-19	02015SC-7113	Hex.Socket Bolt(M4*L8)			O	40	

F-3

F-3-39



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-3-1	GP-053280-00	Color Change Box (6C)	Jul,05,11 ~	X		1	
	GP-053193-00	Color Change Box (9C)	Jul,05,11 ~	X			
F-3-2	03003SC-4113	Hex. Socket Bolt "B" (M8*L35)			O	4	
F-3-3	15095SW-3115	Spring Washer (@8)			O	4	
F-3-4	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
F-3-5	GP-008819-00	Color Change Cam Set 10C	Apr.26,05 ~	X		1	
	GP-008819-01		Apr.14,08 ~				
F-3-6	08037SC-4517	Hex. Socket Set Screw (M6*L10)			O	2	
F-3-7	081010031000	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)			O	1	
F-3-21	06011SW-2111	Washer (@3)			O	1	
F-3-22	10-027C-SC53	Magnet				1	
F-3-23	13040CW-A001	Roller Shaft				1	
F-3-24	08200601F000	Spring Washer (@4)			O	1	
F-3-25	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
F-3-26	13043CW-A001	Roller				1	
F-3-27	13044SR-4013	E-Ring (@4)			O	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)			O	2	
F-3-31	03026SW-9115	Spring Washer (@6)			O	1	
F-3-32	03025SW-1211	Washer (@6)			O	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

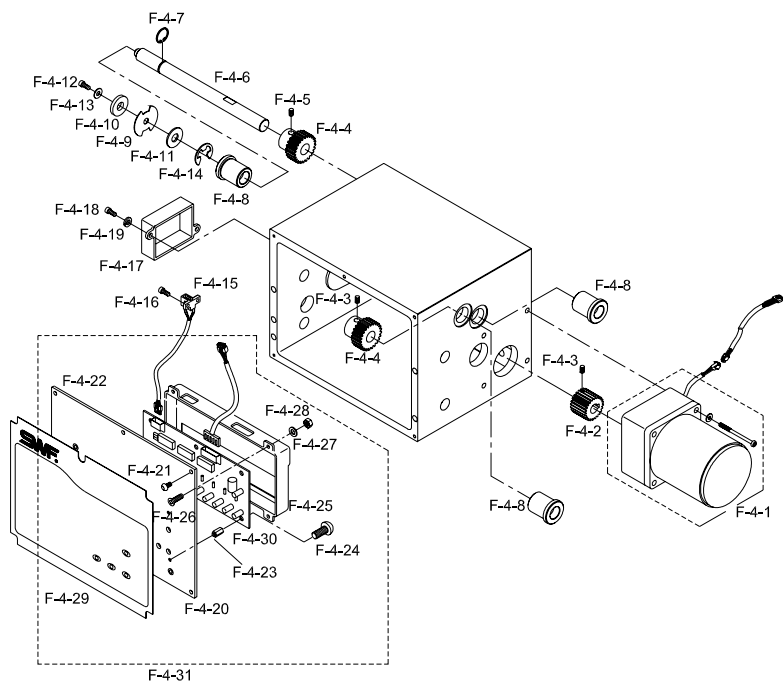
F-3-39

This exploded view diagram illustrates the assembly of the F-3-39 unit. The main components are shown in a perspective view, with various sub-components labeled with part numbers. The assembly includes a main housing (F-3-1) with a front panel (F-3-13) and a rear panel (F-3-14). A large cylindrical component (F-3-5) is shown with a central shaft (F-3-7) and a large gear (F-3-12). A smaller gear (F-3-11) is shown on a separate shaft (F-3-16). A motor or actuator (F-3-17) is shown with a mounting bracket (F-3-18) and a shaft (F-3-19). A control panel (F-3-20) is shown with a mounting bracket (F-3-21) and a shaft (F-3-22). A control panel (F-3-23) is shown with a mounting bracket (F-3-24) and a shaft (F-3-25). A control panel (F-3-26) is shown with a mounting bracket (F-3-27) and a shaft (F-3-28). A control panel (F-3-29) is shown with a mounting bracket (F-3-30) and a shaft (F-3-31). A control panel (F-3-32) is shown with a mounting bracket (F-3-33) and a shaft (F-3-34, 35). A control panel (F-3-36) is shown with a mounting bracket (F-3-37) and a shaft (F-3-38). A control panel (F-3-39) is shown with a mounting bracket (F-3-40) and a shaft (F-3-41).

Note

[illegible]

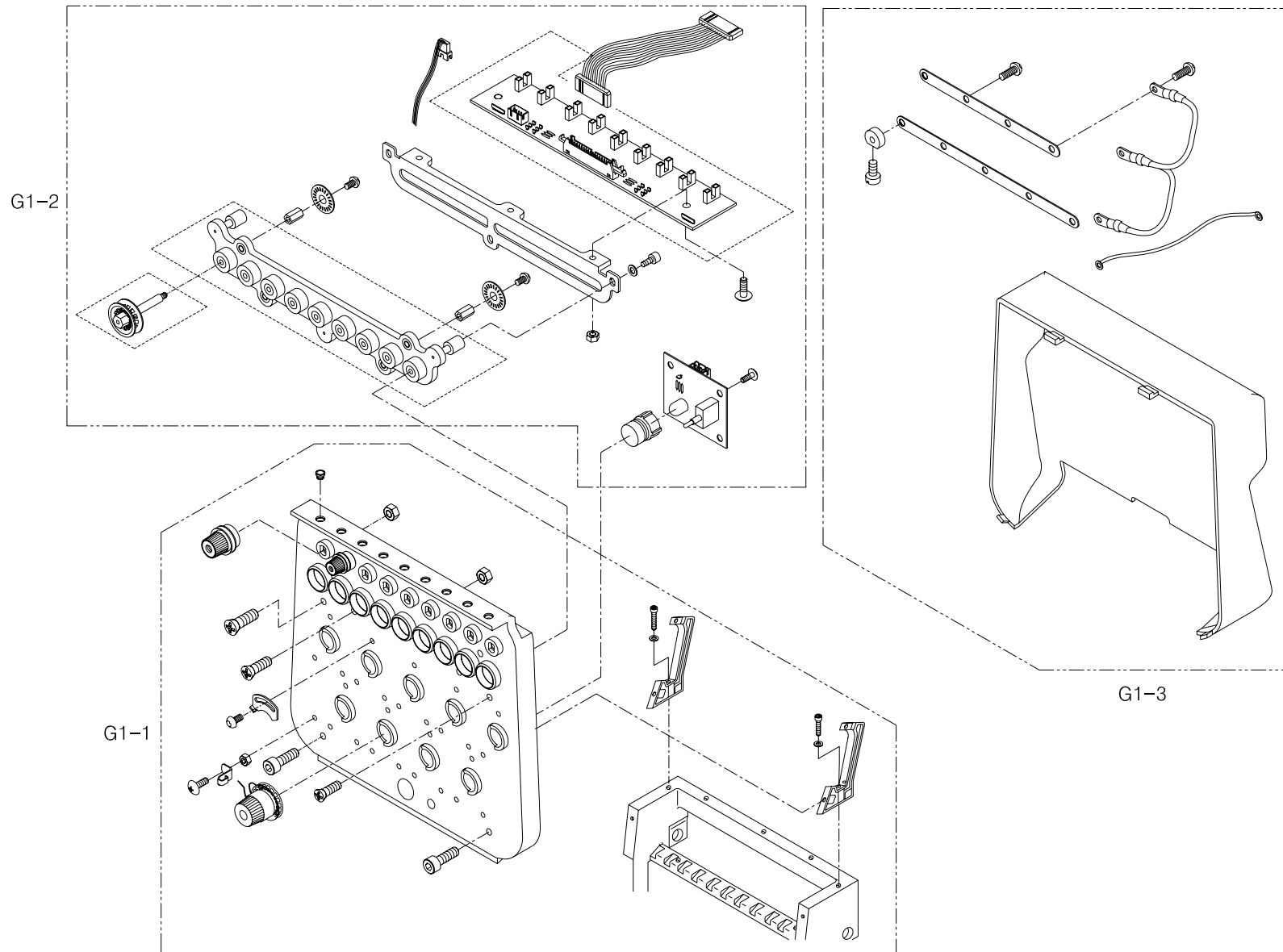
F-4



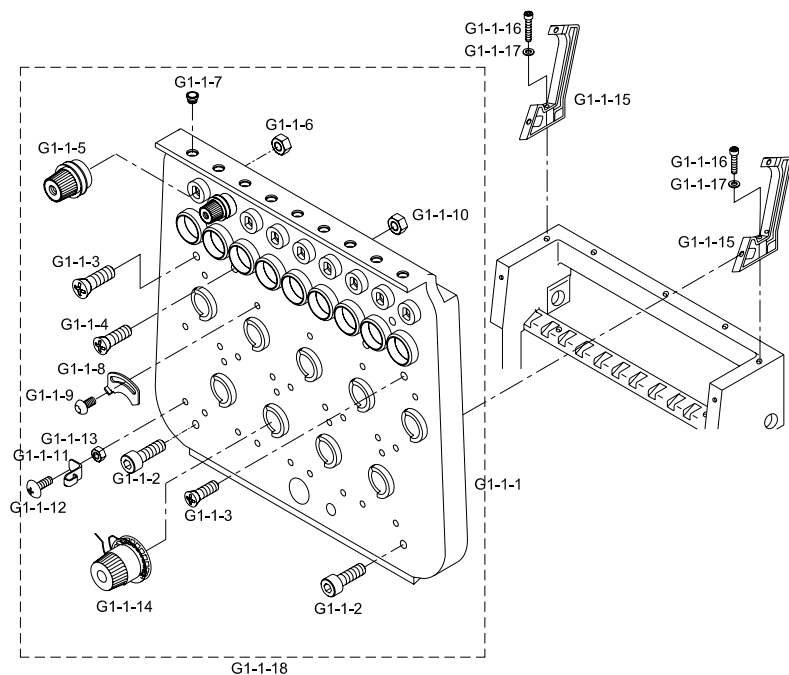
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-4-1	EP-000539-00	Color Change Motor Unit	Jul,05,11 ~	X		1	
F-4-2	13029GA-A001	Motor Gear				1	
F-4-3	13030SC-4517	Hex. Socket Set Screw (M4*L8)			O	1	
	GP-005242-00		Oct,21,04 ~	X			
F-4-4	GP-005242-01	Half Turn Gear	Dec,16,08 ~			2	
F-4-5	13030SC-4517	Hex. Socket Set Screw (M4*L8)			O	2	
F-4-6	08100500I000	Half Turn Sensor Shaft				1	
F-4-7	08100600I000	C-Ring				1	
F-4-8	08101500I000	Half Turn Shaft Bush				3	
F-4-9	13017PR-A001	Half Turn Flim				1	
F-4-10	13018PR-A001	Half Turn Film Washer (T2.3)				1	
F-4-11	13019PR-A001	Half Turm Film Washer (T1.0)				1	
F-4-12	13020SC-A001	Hex.Socket Bolt(M3*L7)			O	1	
F-4-13	06011SW-2111	Washer (@3)			O	1	
F-4-14	08044SR-4013	E-Ring (@8)			O	1	
F-4-15	13023EL-A001	Half Turn Sensor Set				1	
F-4-16	03071SC-A001	Hex.Socket Bolt(M3*L15)			O	2	
F-4-17	13025PM-A001	Sensor Cover				1	
F-4-18	02015SC-7113	Hex.Socket Bolt(M4*L10)			O	2	
F-4-19	08200601F000	Spring Washer (@4)			O	2	
F-4-20	GP-008820-00	Color Change Box Cover	Apr,26,05 ~	X		1	
F-4-21	03006MC-9123	TRUSS SCREW(M3*L6) SUS			O	5	
F-4-22	09100101F000	Color Change P.C.B				1	
F-4-23	13057SC-A001	Stud Bolt				6	
F-4-24	06010SC-8118	Plus Screw (M3*L4)			O	6	
F-4-25	13060ET-A005	Board Cover				1	
F-4-26	13061SC-8119	Plus Screw (M3*L10)			O	4	
F-4-27	11019SW-9115	Spring Washer (3@)			O	4	
F-4-28	05057SN-3211	Hex. Nut (M3-No2)			O	4	
F-4-29	GP-008823-00	Membrane Switch	Apr,26,05 ~	X		1	
	GP-008823-01		Mar,21,06 ~				
F-4-30	02-001A-UI12	COLOR CHANGE BOARD				1	
F-4-31	AS-002750-00	COLOR CHANGE Box Assy				1	

Thread Tension Unit



G1 - 1



Note

[illegible]

G1

This exploded view diagram illustrates the assembly of the G1-2 unit. The components are labeled as follows:

- G1-2-1:** A circular component, likely a fan or filter, shown separately.
- G1-2-2:** A long, horizontal metal rail or frame.
- G1-2-3:** A small circular component, possibly a pin or washer.
- G1-2-4:** A small circular component, possibly a pin or washer.
- G1-2-5:** A small circular component, possibly a pin or washer.
- G1-2-6:** A small circular component, possibly a pin or washer.
- G1-2-7:** A small circular component, possibly a pin or washer.
- G1-2-8:** A small circular component, possibly a pin or washer.
- G1-2-9:** A small circular component, possibly a pin or washer.
- G1-2-10:** A small circular component, possibly a pin or washer.
- G1-2-11:** A small circular component, possibly a pin or washer.
- G1-2-12:** A small circular component, possibly a pin or washer.
- G1-2-13:** A small circular component, possibly a pin or washer.
- G1-2-14:** A small circular component, possibly a pin or washer.
- G1-2-15:** A small circular component, possibly a pin or washer.
- G1-2-16:** A small circular component, possibly a pin or washer.
- G1-2-17:** A small circular component, possibly a pin or washer.

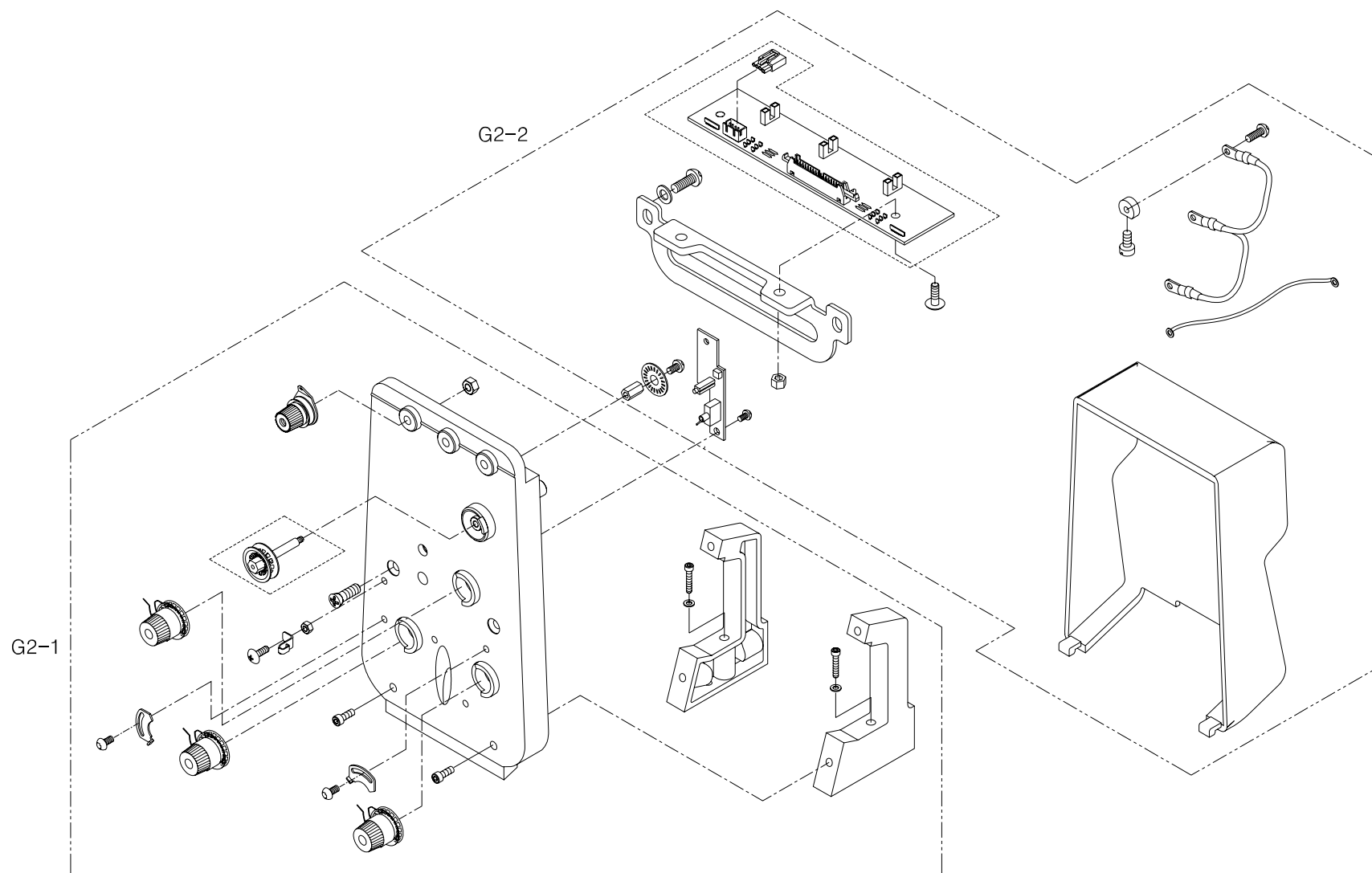
The diagram shows the assembly of the G1-2 unit, including the main frame (G1-2-2), the fan/filter (G1-2-1), and various mounting components (G1-2-3 through G1-2-17). The components are shown in their relative positions for assembly.

[illegible]

[illegible]

G1

Thread Tension Unit (Coiling)



The diagram illustrates the exploded view of the G2-1 assembly. The main component is a rectangular panel (G2-1) which is assembled with various hardware. The components and their assembly sequence are as follows:

- G2-1-1**: A large circular component, likely a lens or filter, is mounted to the front of the panel.
- G2-1-2**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-3**: A large circular component, likely a lens or filter, is mounted to the back of the panel.
- G2-1-4**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-5**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-6**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-7**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-8**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-9**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-10**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-11**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-12**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-13**: A large circular component, likely a lens or filter, is mounted to the back of the panel.
- G2-1-14**: A large circular component, likely a lens or filter, is mounted to the back of the panel.
- G2-1-15**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.
- G2-1-16**: A small circular component, possibly a gasket or seal, is placed between the panel and the main body.

G2-1, G2-2 : AS-002268-00 Tension Plate Assy

[illegible]

This exploded view diagram illustrates the assembly of the G2-2 control panel. The main components shown are:

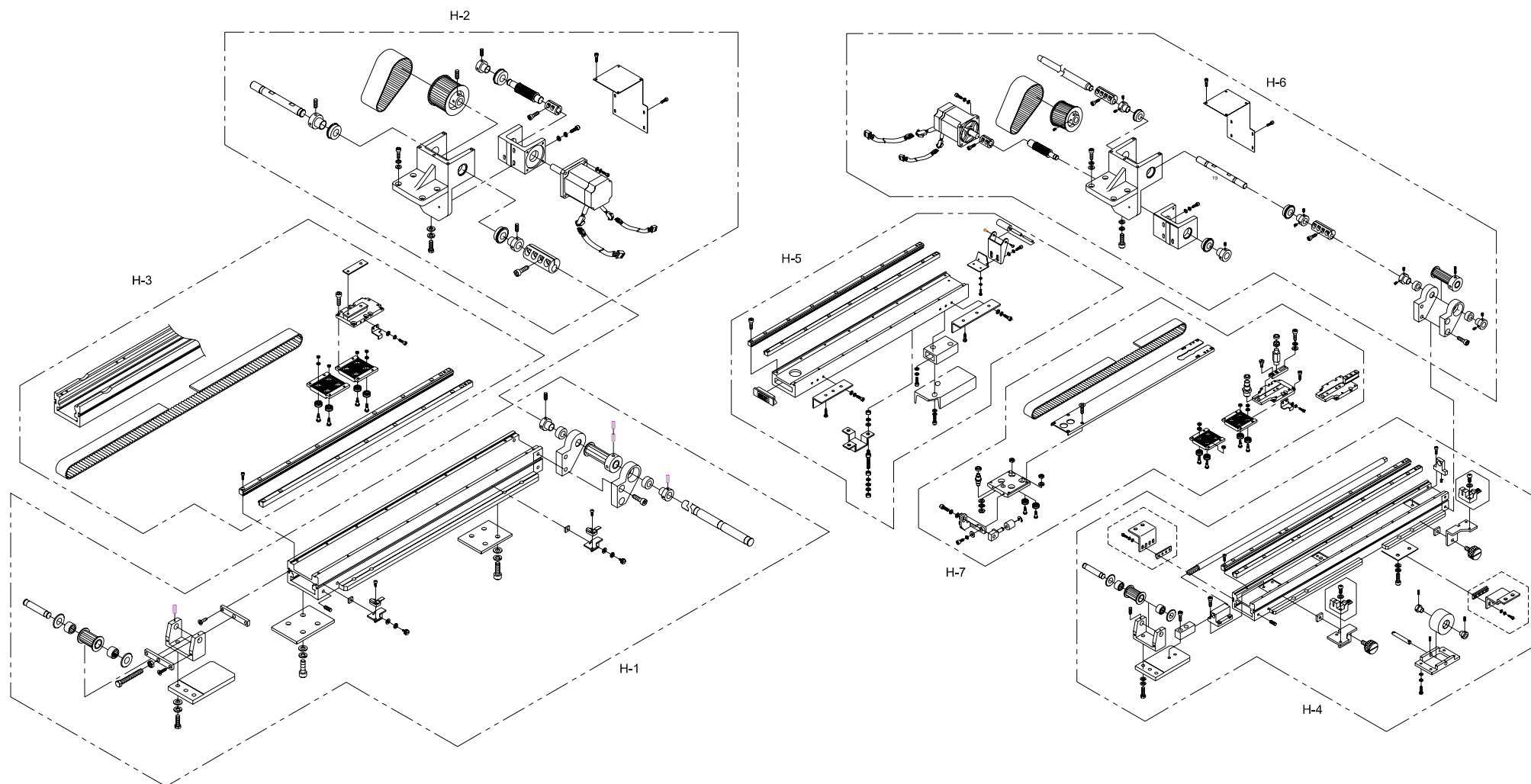
- G2-2:** The main control panel unit, featuring a front faceplate with multiple circular ports and a rear mounting bracket.
- G2-2-1:** A large circular knob or dial.
- G2-2-2:** A small screw or fastener.
- G2-2-3:** A small screw or fastener.
- G2-2-4:** A small screw or fastener.
- G2-2-5:** A small screw or fastener.
- G2-2-6:** A metal bracket or support arm.
- G2-2-7:** A small screw or fastener.
- G2-2-8:** A small screw or fastener.
- G2-2-9:** A printed circuit board (PCB) with various electronic components.
- G2-2-10:** A small screw or fastener.
- G2-2-11:** A small screw or fastener.
- G2-2-12:** A cable or wire.
- G2-2-13:** A small screw or fastener.
- G2-2-14:** A cable or wire.
- G2-2-15:** A cable or wire.
- G2-2-16:** A large rectangular panel or cover.

The diagram uses dashed lines to indicate the assembly path and alignment of the components. The G2-2 unit is shown on the left, with its front faceplate and rear bracket. The G2-2-1 knob is shown being attached to the front faceplate. The G2-2-2, G2-2-3, G2-2-4, and G2-2-5 screws are shown being inserted into the rear bracket. The G2-2-6 bracket is shown being attached to the rear of the G2-2 unit. The G2-2-7 and G2-2-8 screws are shown being inserted into the G2-2-6 bracket. The G2-2-9 PCB is shown being attached to the G2-2-6 bracket. The G2-2-10 and G2-2-11 screws are shown being inserted into the G2-2-9 PCB. The G2-2-12, G2-2-14, and G2-2-15 cables are shown being connected to the G2-2-9 PCB. The G2-2-13 screw is shown being inserted into the G2-2-12 cable. The G2-2-16 panel is shown on the right, ready to be attached to the rear of the G2-2 unit.

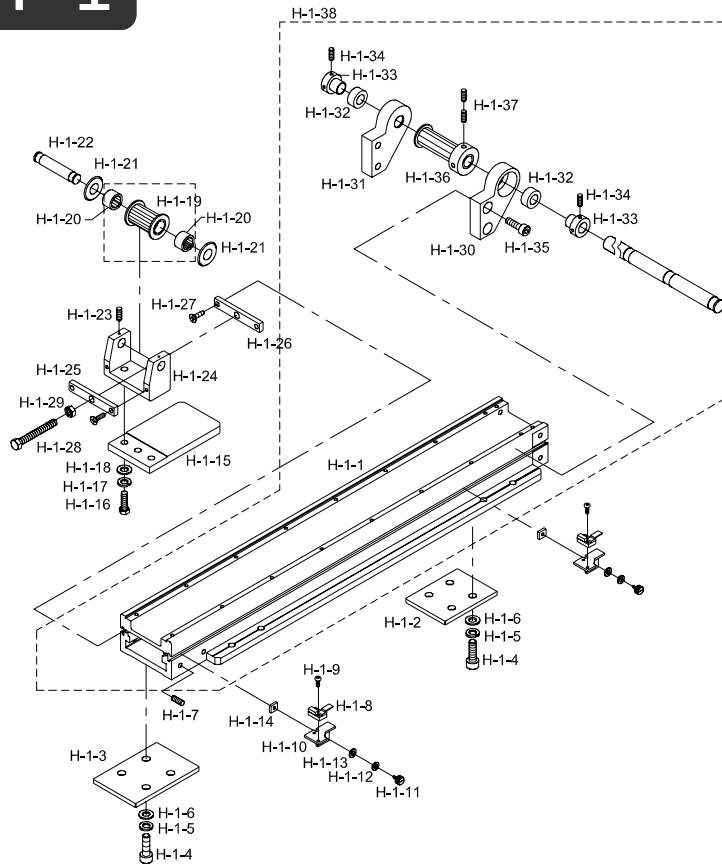
G2-1, G2-2 : AS-002268-00 Tension Plate Assy



X-Y Axis Drive System



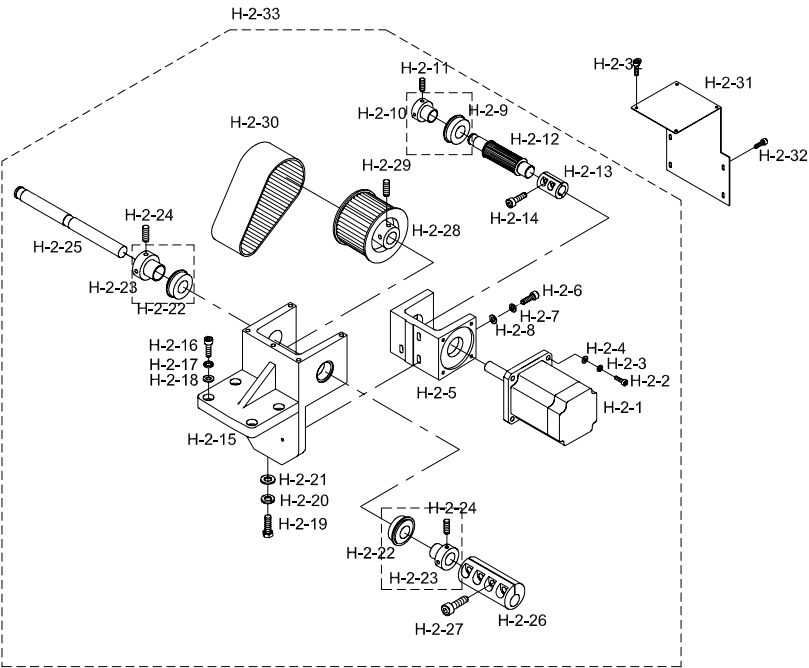
H-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-1-1	GP-008825-00	X Axis Frame	Apr,26,05 ~	X		4	
H-1-2	GP-006912-00	X- Lm Guide Support Plate (A)	Jan,12,05 ~	X		4	
	GP-006912-01		Jun,16,05 ~				
H-1-3	GP-004312-00	X- Lm Guide Support Plate (B)	Feb,28,05 ~	X		4	
H-1-4	15020SC-4113	Hex.Socket Bolt (M8*L50)			O	32	
H-1-5	15095SW-3115	Spring Washer (@8)			O	32	
H-1-6	04029SW-A001	Stud Bolt Washer(S) (@8)			O	32	
H-1-7	14060AF-4517	Hex.Socket Screw(M6*L6)			O	8	
H-1-8	15046EL-CT01	Xy- Sensor Assy				24	
H-1-9	02023SC-7113	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)			O	2	
H-1-13	06011SW-2111	Washer (@3)			O	2	
H-1-14	15121PR-A001	Square Washer				2	
H-1-15	04202400B000	Timing Pulley Bracket Fixing Plate				4	
H-1-16	15028SC-1111	Hex. Bolt (M6*L20)			O	12	
H-1-17	03026SW-9115	Spring Washer (@6)			O	12	
H-1-18	08057SW-1111	Washer (@6)			O	12	
H-1-19	04700100B000	X-Follower Timing Pulley				4	
H-1-20	15042BR-A001	Needle Bearing (1210Zz)			O	8	
H-1-21	15046RB-A001	Fiber Washer(TW1225N TN)				8	
H-1-22	04104400B000	X-Follower Timing Pulley Shaft "B"				4	
H-1-23	03022SC-4517	Hex.Socket Bolt(M4*L5)			O	8	
H-1-24	04000640I000	TIMING PULLEY BRACKET (C)				4	
H-1-25	15055PR-A001	Tension Rivet Plate (W) W:48				4	
H-1-26	15056PR-A001	Tension Plate (W) (Belt:48)				4	
H-1-27	15089SC-7119	C.S Screw (M4*L12)			O	16	
H-1-28	15058SC-1211	Hex. Bolt (M6*L58)			O	4	
H-1-29	14064SN-7311	Hex.Nut (M6-No3)			O	4	
H-1-30	GP-038829-00	TIMING PULLEY BRACKET (L)	Jun,02,08 ~	X		4	
H-1-31	GP-038831-00	TIMING PULLEY BRACKET (R)	Jun,02,08 ~	X		4	
H-1-32	04000630I000	BEARING (6905ZZ)			O	8	
H-1-33	04003500I000	NEEDLE BEARING COLLAR				8	
H-1-34	14060AF-4517	HEX.SOCKET SCREW(M6*L6)			O	16	
H-1-35	14002SC-7113	Hex.Socket Set Screw(M6*L15)			O	26	
H-1-36	04000400B000	X- TIMING PULLEY (S5M)				4	
H-1-37	14060AF-4517	Hex.Socket Screw(M6*L6)			O	16	
H-1-38	AS-002446-00	X-CAM ROLLER GUIDE Assy				4	

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)			O	4	
H - 2 - 4	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
H - 2 - 5	04002000I000	X-Motor Bracket				1	
H - 2 - 6	08087SC-7113	Hex.Socket Bolt(M8*L25)			O	3	
H - 2 - 7	15095SW-3115	Spring Washer (@8)			O	3	
H - 2 - 8	04029SW-A001	Stud Bolt Washer(S) (@8)			O	3	
H - 2 - 9	04001900H000	Ball Bearing (6004NR)			O	1	
H - 2 - 10	04003500B000	Bearing Stopper Collar "A"				1	
H - 2 - 11	14060AF-4517	Hex.Socket Screw(M6*L6)			O	2	
H - 2 - 12	PL-000053-00	X-Y Driving Shaft Timing Pulley	Jul,05,10 ~			1	
H - 2 - 13	04001700H000	Driving Shaft Coupling				1	
H - 2 - 14	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	2	
H - 2 - 15	04002200I000	X Motor Base				1	
H - 2 - 16	08087SC-7113	Hex.Socket Bolt(M8*L25)			O	4	
H - 2 - 17	15095SW-3115	Spring Washer (@8)			O	4	
H - 2 - 18	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
H - 2 - 19	15019SC-4113	Hex. Socket Bolt (M8*L40)			O	1	
H - 2 - 20	15095SW-3115	Spring Washer (@8)			O	1	
H - 2 - 21	04029SW-A001	Stud Bolt Washer(S) (@8)			O	1	
H - 2 - 22	02-009A-8180	Ball Bearing (6004NR)			O	2	
H - 2 - 23	03005210H000	COLLAR "A"				2	
H - 2 - 24	14060AF-4517	Hex.Socket Screw(M6*L6)			O	4	
H - 2 - 25	GP-005422-00	X Driving Pulley Shaft	Nov,06,04 ~	X		1	
H - 2 - 26	GP-044599-00	COUPLING @20	Dec,23,08 ~	X	O	3	
H - 2 - 27	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	12	
H - 2 - 28	04100330I000	TIMMING PULLEY(72-S5M-050)				1	
H - 2 - 29	14061AF-4517	Hex.Socket Screw(M8*L8)			O	8	
H - 2 - 30	04100410I000	TIMMING BELT (50-S5M-475)				1	
H - 2 - 31	12002300I000	X-Y Axis Servo Motor Cover				1	
H - 2 - 32	18033SC-3123	Truss Screw (M5*L6)			O	8	
H - 2 - 33	AS-008542-00	X-Motor Assy				1	

H-3

The diagram illustrates the assembly of the H-3 unit. The components are labeled as follows:

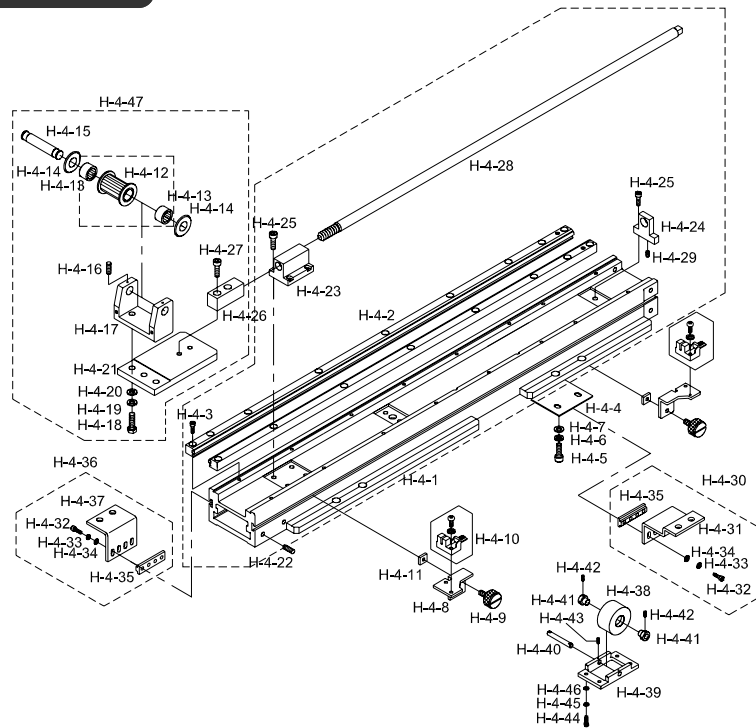
- H-3-1: Long horizontal base rail.
- H-3-2: Small vertical pin or screw.
- H-3-3: Long horizontal rail with a serrated edge.
- H-3-4: Small rectangular component with a grid pattern.
- H-3-5: Small circular component.
- H-3-6: Small circular component.
- H-3-7: Small rectangular component with a grid pattern.
- H-3-8: Small circular component.
- H-3-9: Small circular component.
- H-3-10: Small rectangular component with a grid pattern.
- H-3-11: Small rectangular component with a grid pattern.
- H-3-12: Small circular component.
- H-3-13: Small rectangular component.
- H-3-14: Small rectangular component.
- H-3-15: Small circular component.
- H-3-16: Small circular component.
- H-3-17: Small rectangular component.

The assembly sequence is indicated by the numbers 1 through 17, showing the order in which the components are added to the unit.

H1,H2 : 04200000I00I Y-CAM ROLLER GUIDE Assy



H-4



Note

H1,H2 : 04200000I00I Y-CAM ROLLER GUIDE Assy

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-4-1	04200100I00I	Y - Axis Frame L=1288				8	
H-4-2	04200200I00I	Y Cam Roller Guide Rail L=1288				8	
H-4-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				20	
H-4-4	GP-004577-00	Y - Frame Support Plate	Sep.03,04 ~	X		8	
H-4-5	15019SC-4113	Hex. Socket Bolt (M8*L40)			O	32	
H-4-6	15095SW-3115	Spring Washer (@8)			O	32	
H-4-7	04029SW-A001	Stud Bolt Washer(S) (@8)			O	32	
H-4-8	04000600F000	Perception Sensor Bracket X,Y				2	
H-4-9	15120SC-A001	Position Adjusting Screw				2	
H-4-10	15046EL-CT01	Xy-Sensor Assy				2	
H-4-11	15056PR-B001	Square Washer				2	
H-4-12	04700100B000	Y-Drive Timing Pulley				4	
H-4-13	15042BR-A001	Needle Bearing (1210Zz)			O	8	
H-4-14	15046RB-A001	Driving Pin Washer (Tw1225)				8	
H-4-15	04104400B000	X-Y Timing Pulley Bracket				4	
H-4-16	03022SC-4517	Hex. Socket Set Screw(M4*L5)			O	8	
H-4-17	04000640I000	TIMING PULLEY BRACKET (C)				4	
H-4-18	15028SC-1111	Hex. Bolt (M6*L20)				12	
H-4-19	03026SW-9115	Spring Washer (@6)			O	12	
H-4-20	08057SW-1111	Washer (@6)			O	12	
H-4-21	04202400B000	Timing Pulley Tension Base(N)			O	4	
H-4-22	14060AF-4517	Hex.Socket Screw(M6*L6)				8	
H-4-23	04200400B000	Y Adjusting Shaft Guide (A)			O	4	
H-4-24	04200500B000	Y Adjusting Shaft Guide (B)				4	
H-4-25	16059SC-7113	Hex.Socket Bolt (M6*L12)			O	24	
H-4-26	04200600B000	Adjusting Shaft Stopper				4	
H-4-27	14006SC-7113	Hex.Socket Set Screw(M8*L15)			O	8	
H-4-28	15033CW-B001	Cam Roller Screw "B"				4	
H-4-29	14061AF-4517	Hex.Socket Screw(M8*L8)			O	4	
H-4-30	04920000H000	SUPPORT ANGLE FOR TABLE "B" (SET)				2	
H-4-31	15051PR-H041	SUPPORT ANGLE FOR TABLE "B-1"				2	
H-4-32	04010MC-7113	HEX.SOCKET BOLT (M4*L10)			O	64	
H-4-33	18014SW-3115	SPRING WASHER (@4-NO2)			O	64	
H-4-34	18015SW-3111	WASHER (4@)			O	64	
H-4-35	15052CW-B041	SUPPORT ANGLE BRACKET TABLE				8	
H-4-36	04910000B000	SUPPORT ANGLE FOR TABLE "A" (SET)				6	
H-4-37	15050PR-B041	SUPPORT ANGLE FOR TABLE "A"				6	

H-4

The diagram illustrates the assembly of the H-4 system, showing the main frame and various sub-assemblies. The components are labeled as follows:

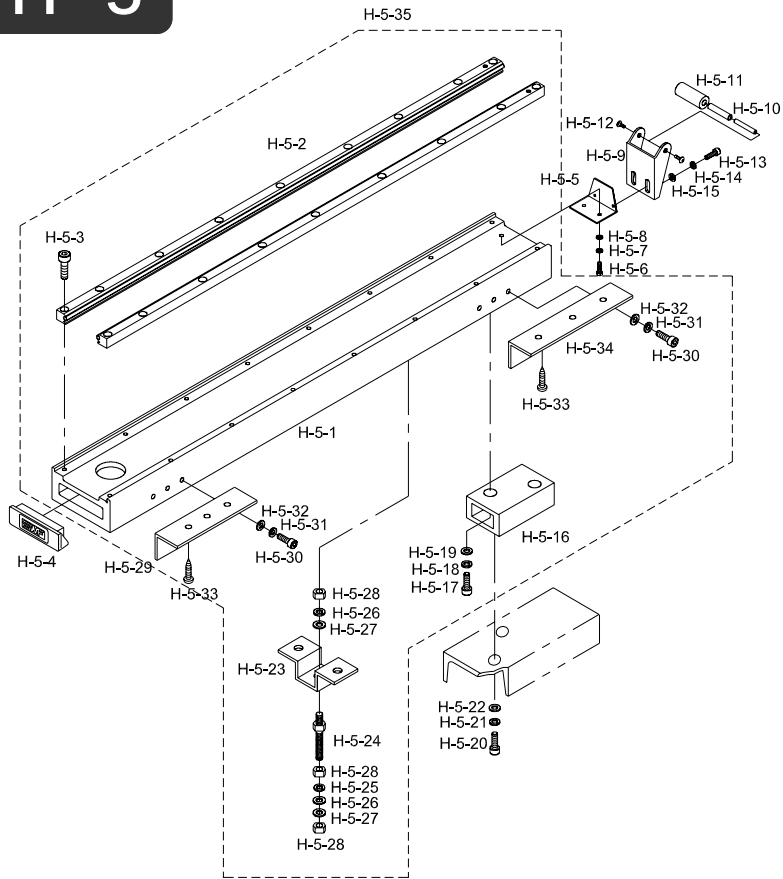
- Main Frame:** H-4-1, H-4-2, H-4-3, H-4-4, H-4-5, H-4-6, H-4-7, H-4-8, H-4-9, H-4-10, H-4-11, H-4-12, H-4-13, H-4-14, H-4-15, H-4-16, H-4-17, H-4-18, H-4-19, H-4-20, H-4-21, H-4-22, H-4-23, H-4-24, H-4-25, H-4-26, H-4-27, H-4-28, H-4-29, H-4-30, H-4-31, H-4-32, H-4-33, H-4-34, H-4-35, H-4-36, H-4-37, H-4-38, H-4-39, H-4-40, H-4-41, H-4-42, H-4-43, H-4-44, H-4-45, H-4-46, H-4-47.

The diagram shows the assembly sequence, with components being added to the main frame. The main frame is shown in a dashed box, and the sub-assemblies are shown in solid boxes. The components are labeled with their respective part numbers, and the assembly sequence is indicated by the order of the labels.

H1,H2 : 04200000I00I Y-CAM ROLLER GUIDE Assy

H

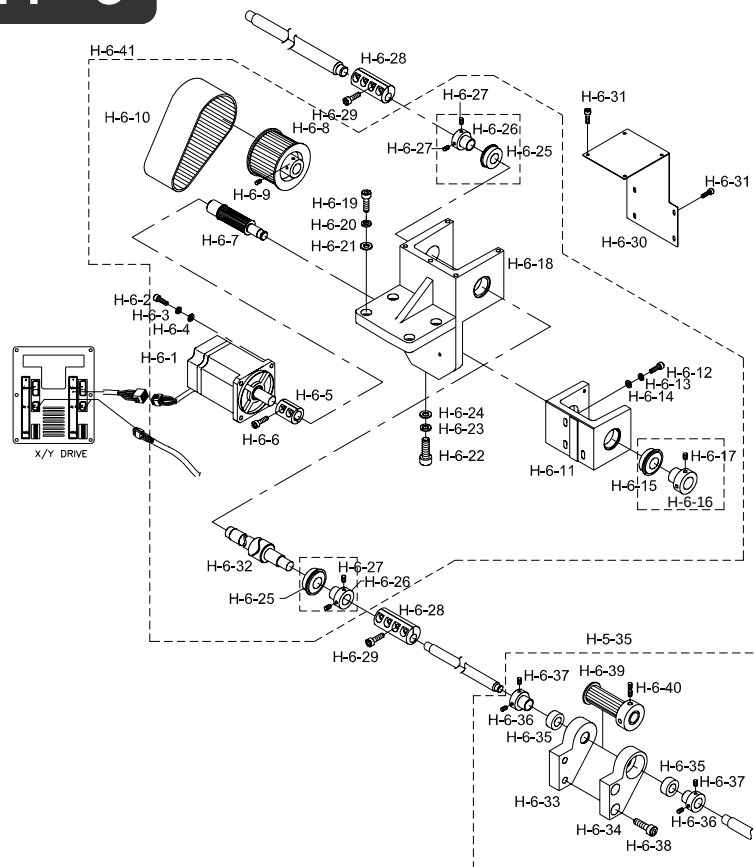
H-5



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H - 5 - 1	08400310I001	Y - Axis Frame (F) L=1265				4	
H - 5 - 2	08400311I001	Cam Roller Guide Rail (L=1265)				8	
H - 5 - 3	04016MC - 4113	CAM ROLLER GUIDE FIXED SCREW				20	
H - 5 - 4	15092RB - B001	V - RAIL SUPPORT RUBBER CAP				4	
H - 5 - 5	08400700F000	Support Bracket				4	
H - 5 - 6	18047SC - 7113	Hex/ Socket Bolt (M5*L15)			O	8	
H - 5 - 7	18048SW - 3115	Spring Washer (5@)			O	8	
H - 5 - 8	18049SW - 3111	Washer (@5)			O	8	
H - 5 - 9	GP - 006914 - 00	Roller Bracket	Jan,12,05 ~	x		4	
	GP - 006914 - 01		Jun,02,05 ~				
	GP - 006914 - 02		May,03,06 ~				
H - 5 - 10	15174CW - A001	Roller Pin				4	
H - 5 - 11	15176CW - A001	Guide Roller				4	
H - 5 - 12	07018SC - 8118	Truss Screw (M3*L6)			O	4	
H - 5 - 13	02015SC - 7113	Hex.Socket Bolt (M4*L10)			O	8	
H - 5 - 14	18014SW - 3115	Spring Washer (@4 - No2)			O	8	
H - 5 - 15	18015SW - 3111	Washer (4@)			O	8	
H - 5 - 16	15095AD - B001	Spacer				4	
H - 5 - 17	14006SC - 7113	Hex.Socket Set Screw (M8*L15)			O	8	
H - 5 - 18	15095SW - 3115	Spring Washer (@8)			O	8	
H - 5 - 19	04029SW - A001	Stud Bolt Washer(S) (@8)			O	8	
H - 5 - 20	15020SC - 4113	Hex,Socket Bolt (M8*L50)			O	8	
H - 5 - 21	15095SW - 3115	Spring Washer (@8)			O	8	
H - 5 - 22	04029SW - A001	Stud Bolt Washer(S) (@8)			O	8	
H - 5 - 23	15097PR - B001	Stud Bracket				4	
H - 5 - 24	15096CW - B001	Stud Bolt (M8*L90)			O	4	
H - 5 - 25	15095SW - 3115	Spring Washer (@8)			O	12	
H - 5 - 26	04029SW - A001	Stud Bolt Washer(S) (@8)			O	8	
H - 5 - 27	04030SW - A001	Stud Bolt Washer(L) (@8)			O	4	
H - 5 - 28	04032SN - A001	Hex. Nut (M8 - No2)			O	12	
H - 5 - 29	15093AD - B001	Table Support				8	
H - 5 - 30	18047SC - 7113	Hex/ Socket Bolt (M5*L15)			O	16	
H - 5 - 31	18048SW - 3115	Spring Washer (5@)			O	48	
H - 5 - 32	18049SW - 3111	Washer (@5)			O	48	
H - 5 - 33	16010SC - 8330	Tapping Screw (M6*L25)			O	48	
H - 5 - 34	15094AD - B001	Table Support(B)				8	
H - 5 - 35	08400000I001	V - RAIL Assy				4	

H-6



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H - 6 - 1	04001410H000	Y-Driving Motor [P20B10100DXS00]				1	
H - 6 - 2	06025MC - 7113	Hex.Socket Bolt(M6*L25)			O	4	
H - 6 - 3	15095SW - 3115	Spring Washer (@8)			O	4	
H - 6 - 4	04029SW - A001	Stud Bolt Washer(S) (@8)			O	4	
H - 6 - 5	04001700H000	Driving Shaft Coupling				1	
H - 6 - 6	08091SC - 7113	Hex.Socket Bolt(M6*L20)			O	2	
H - 6 - 7	04001600I000	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)			O	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)			O	3	
H - 6 - 13	15095SW - 3115	Spring Washer (@8)			O	3	
H - 6 - 14	04029SW - A001	Stud Bolt Washer(S) (@8)			O	3	
H - 6 - 15	04001900H000	BALL BEARING 6004NR			O	1	
H - 6 - 16	04003500B000	Needle Bearing Collar				1	
H - 6 - 17	14060AF - 4517	Hex.Socket Set Screw(M5*L5)			O	2	
H - 6 - 18	04002200I000	Y - MOTER BASE				1	
H - 6 - 19	06025MC - 7113	Hex.Socket Bolt(M6*L25)			O	4	
H - 6 - 20	15095SW - 3115	Spring Washer (@8)			O	4	
H - 6 - 21	04029SW - A001	Stud Bolt Washer(S) (@8)			O	4	
H - 6 - 22	15019SC - 4113	Hex. Socket Bolt (M8*L40)			O	1	
H - 6 - 23	15095SW - 3115	Spring Washer (@8)			O	1	
H - 6 - 24	04029SW - A001	Stud Bolt Washer(S) (@8)			O	1	
H - 6 - 25	02 - 009A - 8180	Ball Bearing 6005NR			O	2	
H - 6 - 26	03005210H000	Collar "A"				2	
H - 6 - 27	14060AF - 4517	Hex.Socket Screw(M6*L6)			O	4	
H - 6 - 28	GP - 044599 - 00	COUPLING @20	Dec,23,08 ~	X	O	2	
H - 6 - 29	08091SC - 7113	Hex.Socket Bolt(M6*L20)			O	8	
H - 6 - 30	12002300I000	Y - Axis Servo Motor Cover A				1	
H - 6 - 31	18033SC - 3123	Truss Screw (M5*L6)			O	4	
H - 6 - 32	04200210I000	Y - Driving Pulley Shaft				1	
H - 6 - 33	04000650I000	TIMING PULLEY BRACKET (L)				4	
H - 6 - 34	04000660I000	TIMING PULLEY BRACKET (R)				4	
H - 6 - 35	04000630I000	Needle Bearing (Nk18/16A)			O	8	
H - 6 - 36	04003500I000	NEEDLE BEARING COLLAR				8	
H - 6 - 37	14060AF - 4517	HEX.SOCKET SCREW(M6*L6)			O	16	

H-6

This diagram illustrates the exploded view of the H-6 assembly. The components are labeled as follows:

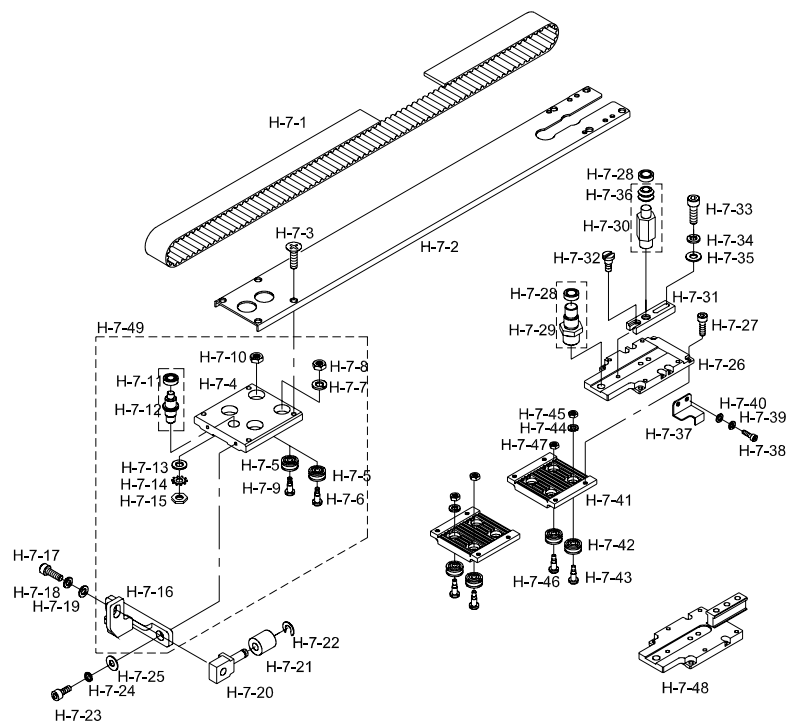
- H-6-1: Motor unit
- H-6-2, H-6-3, H-6-4: Electrical connectors
- H-6-5: Gear assembly
- H-6-6: Gear housing
- H-6-7: Drive shaft
- H-6-8: Gear
- H-6-9: Gear housing
- H-6-10: Drive pulley
- H-6-11: Mounting bracket
- H-6-12, H-6-13, H-6-14: Screws
- H-6-15, H-6-16, H-6-17: Washers
- H-6-18: Mounting bracket
- H-6-19, H-6-20, H-6-21: Screws
- H-6-22: Nut
- H-6-23, H-6-24: Screws
- H-6-25, H-6-26, H-6-27, H-6-28, H-6-29: Various shafts and gears
- H-6-30: Mounting plate
- H-6-31: Screws
- H-6-32: Drive shaft
- H-6-33, H-6-34: Mounting brackets
- H-6-35, H-6-36, H-6-37: Screws
- H-6-38: Nut
- H-6-39, H-6-40: Screws

The diagram also includes a small inset showing the X/Y DRIVE mechanism.

Note



H-7



Note

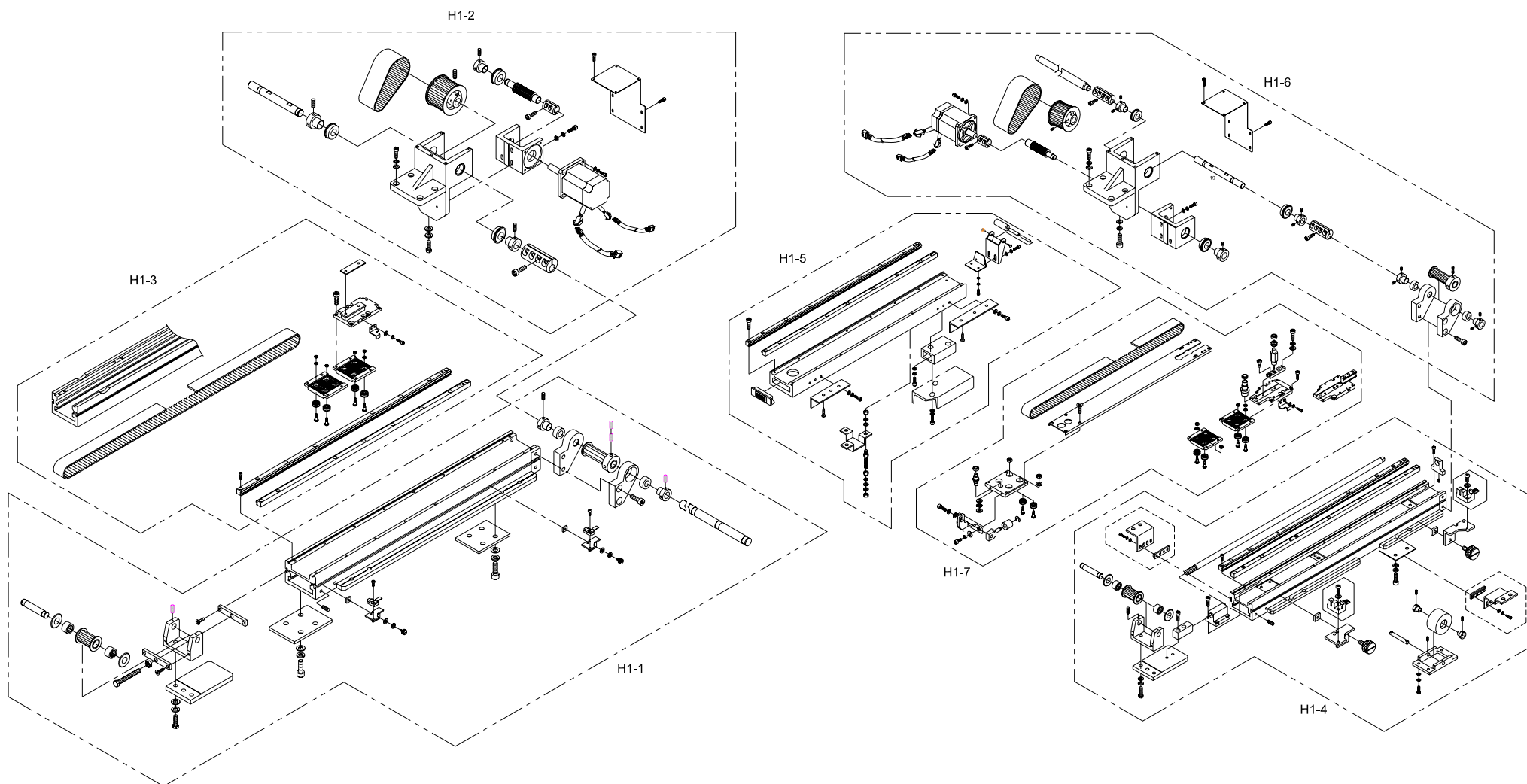
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H - 7 - 1	04000500I001	Y-Drive Timing Belt (W:48)				4	
H - 7 - 2	08000600I001	Joint Cover For Bearing Block				4	
H - 7 - 3	15084SC - 7119	C.S Screw (M4*L6)			O	32	
H - 7 - 4	08400400I000	Y - Axis Bearing Block (F)				4	
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)			O	8	
H - 7 - 8	15029SN - 3211	Hex. Nut (M4 - No2)			O	8	
H - 7 - 9	15003CW - B001	Cam Roller Stud (B)				8	
H - 7 - 10	12010SN - 1211	Hex.Nut (M5)			O	8	
H - 7 - 11	15077BR - B001	Ball Bearing (Lr606Nppu)			O	4	
H - 7 - 12	08400110H000	Y - Rail Guide Shaft (Front - A)				4	
H - 7 - 13	15077SW - 2111	Washer (8@ - S)			O	4	
H - 7 - 14	15078SW - 8113	Toothed Lock Washer (@8)			O	4	
H - 7 - 15	15079SN - 2311	Rail Guide Shaft Nut				4	
H - 7 - 16	08000720H000	Frame Injured Prevent Bracket				4	
H - 7 - 17	02023SC - 7113	Hex.Socket Bolt (M4*L8)			O	4	
H - 7 - 18	18014SW - 3115	Spring Washer (@4 - No2)			O	4	
H - 7 - 19	18015SW - 3111	Washer (4@)			O	4	
H - 7 - 20	10507400I000	Shaft for Surface Prevention				4	
H - 7 - 21	10507500I000	Roller "A" For Frame Y - Axis				4	
H - 7 - 22	15159SR - 4013	E - Ring (3@)			O	4	
H - 7 - 23	02015SC - 7113	Hex.Socket Bolt(M4*L10)			O	8	
H - 7 - 24	18014SW - 3115	Spring Washer (@4 - No2)			O	8	
H - 7 - 25	18015SW - 3111	Washer (4@)			O	8	
H - 7 - 26	04000900I000	Y - Axis Bearing Block (Rear)				4	
H - 7 - 27	15067SC - A001	Hex.Socket Bolt (M4*L7)			O	32	
H - 7 - 28	15077BR - B001	Ball Bearing (Lr606Nppu)			O	8	
H - 7 - 29	15098CW - A001	RAIL GUIDE PIN "B"				4	
H - 7 - 30	15097CW - A001	RAIL GUIDE PIN "A"				4	
H - 7 - 31	GP - 006299 - 00	ADJUSTING BLOCK FOR BEARING	Dec,18,04 ~	X		4	
H - 7 - 32	15074SC - A001	Stopper Stud				4	
H - 7 - 33	03016SC - 4113	Hex. Socket Bolt (M5*L15)			O	8	
H - 7 - 34	18048SW - 3115	Spring Washer (@5)			O	8	
H - 7 - 35	WS - 000083 - 00	@5 - Washer	Dec,20,04 ~	X	O	8	
H - 7 - 36	18111CW - B001	Frame 'E' Roller				4	
H - 7 - 37	04000800H000	Sensor Plate "Y"				1	

This exploded view diagram illustrates the assembly of the H-7-1 component. The main parts shown are:

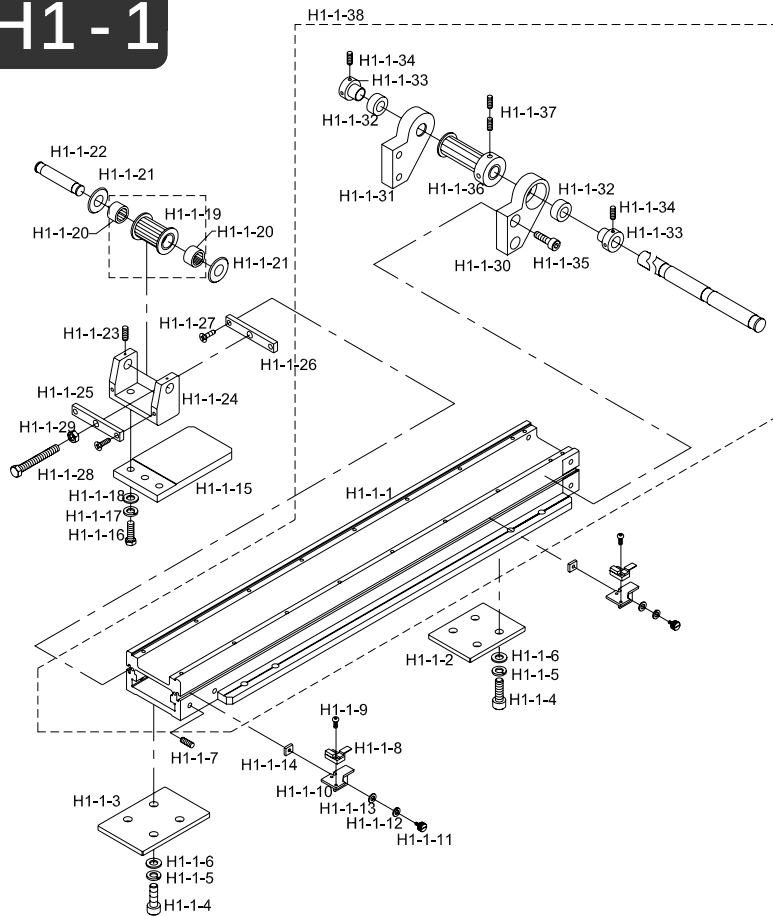
- H-7-1**: The primary elongated component with a serrated edge.
- H-7-2**: A long, thin rectangular plate.
- H-7-3**: A small cylindrical component.
- H-7-4**: A square plate with four mounting holes.
- H-7-5**: A small cylindrical component.
- H-7-6**: A small cylindrical component.
- H-7-7**: A small cylindrical component.
- H-7-8**: A small cylindrical component.
- H-7-9**: A small cylindrical component.
- H-7-10**: A small cylindrical component.
- H-7-11**: A small cylindrical component.
- H-7-12**: A small cylindrical component.
- H-7-13**: A small cylindrical component.
- H-7-14**: A small cylindrical component.
- H-7-15**: A small cylindrical component.
- H-7-16**: A small cylindrical component.
- H-7-17**: A small cylindrical component.
- H-7-18**: A small cylindrical component.
- H-7-19**: A small cylindrical component.
- H-7-20**: A small cylindrical component.
- H-7-21**: A small cylindrical component.
- H-7-22**: A small cylindrical component.
- H-7-23**: A small cylindrical component.
- H-7-24**: A small cylindrical component.
- H-7-25**: A small cylindrical component.
- H-7-26**: A small cylindrical component.
- H-7-27**: A small cylindrical component.
- H-7-28**: A small cylindrical component.
- H-7-29**: A small cylindrical component.
- H-7-30**: A small cylindrical component.
- H-7-31**: A small cylindrical component.
- H-7-32**: A small cylindrical component.
- H-7-33**: A small cylindrical component.
- H-7-34**: A small cylindrical component.
- H-7-35**: A small cylindrical component.
- H-7-36**: A small cylindrical component.
- H-7-37**: A small cylindrical component.
- H-7-38**: A small cylindrical component.
- H-7-39**: A small cylindrical component.
- H-7-40**: A small cylindrical component.
- H-7-41**: A small cylindrical component.
- H-7-42**: A small cylindrical component.
- H-7-43**: A small cylindrical component.
- H-7-44**: A small cylindrical component.
- H-7-45**: A small cylindrical component.
- H-7-46**: A small cylindrical component.
- H-7-47**: A small cylindrical component.
- H-7-48**: A small cylindrical component.



X-Y Axis Drive System(TA-WL012-120)



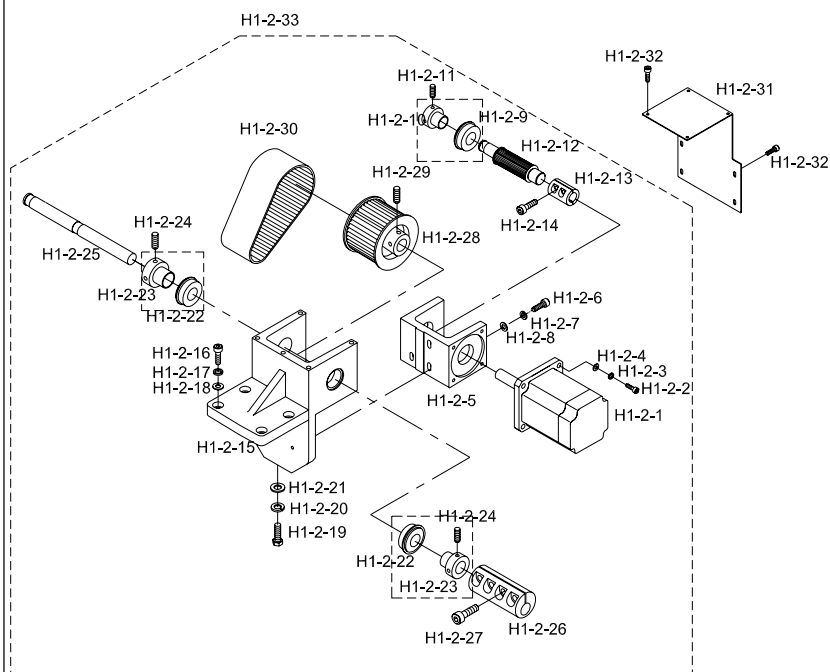
H1-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-1-1	GP-051679-00	X Axis Frame				4	
H1-1-2	GP-006912-00	X- Lm Guide Support Plate (A)	Jan,12,05 ~	X		4	
	GP-006912-01		Jun,16,05 ~				
H1-1-3	GP-004312-00	X- Lm Guide Support Plate (B)	Feb,28,05 ~	X		4	
H1-1-4	15020SC-4113	Hex,Socket Bolt (M8*L50)			O	32	
H1-1-5	15095SW-3115	Spring Washer (@8)			O	32	
H1-1-6	04029SW-A001	Stud Bolt Washer(S) (@8)			O	32	
H1-1-7	14060AF-4517	Hex.Socket Screw(M6*L6)			O	8	
H1-1-8	15046EL-CT01	Xy- Sensor Assy				24	
H1-1-9	02023SC-7113	Position Adjusting Screw				2	
H1-1-10	GP-015270-00	Sensor Bracket (X,Y)	Feb,15,06 ~	X		2	
H1-1-11	15120SC-A001	Position Adjusting Screw				2	
H1-1-12	18014SW-3115	Spring Washer (@4-No2)			O	2	
H1-1-13	06011SW-2111	Washer (@3)			O	2	
H1-1-14	15121PR-A001	Square Washer				2	
H1-1-15	04202400B000	Timing Pulley Bracket Fixing Plate				4	
H1-1-16	15028SC-1111	Hex. Bolt (M6*L20)			O	12	
H1-1-17	03026SW-9115	Spring Washer (@6)			O	12	
H1-1-18	08057SW-1111	Washer (@6)			O	12	
H1-1-19	04700100B000	X-Follower Timing Pulley				4	
H1-1-20	15042BR-A001	Needle Bearing (1210Zz)			O	8	
H1-1-21	15046RB-A001	Fiber Washer(TW1225NTN)				8	
H1-1-22	04104400B000	X-Follower Timing Pulley Shaft "B"				4	
H1-1-23	03022SC-4517	Hex.Socket Bolt(M4*L5)			O	8	
H1-1-24	04000640I000	TIMING PULLEY BRACKET (C)				4	
H1-1-25	15055PR-A001	Tension Rivet Plate (W) W:48				4	
H1-1-26	15056PR-A001	Tension Plate (W) (Belt:48)				4	
H1-1-27	15089SC-7119	C.S Screw (M4*L12)			O	16	
H1-1-28	15058SC-1211	Hex. Bolt (M6*L58)			O	4	
H1-1-29	14064SN-7311	Hex.Nut (M6-No3)			O	4	
H1-1-30	GP-038829-00	TIMING PULLEY BRACKET (L)	Jun,02,08 ~	X		4	
H1-1-31	GP-038831-00	TIMING PULLEY BRACKET (R)	Jun,02,08 ~	X		4	
H1-1-32	04000630I000	BEARING (6905ZZ)			O	8	
H1-1-33	04003500I000	NEEDLE BEARING COLLAR				8	
H1-1-34	14060AF-4517	HEX.SOCKET SCREW(M6*L6)			O	16	
H1-1-35	14002SC-7113	Hex.Socket Set Screw(M6*L15)			O	26	
H1-1-36	04000400B000	X- TIMING PULLEY (S5M)				4	
H1-1-37	14060AF-4517	Hex.Socket Screw(M6*L6)			O	16	
H1-1-38	AS-002446-00	X-CAM ROLLER GUIDE Assy				4	

H1-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-2-1	DMPE2-000001	X-Y Motor (SFAM-1000-003)				1	
H1-2-2	08087SC-7113	Hex.Socket Bolt(M8*L25)				4	
H1-2-3	15095SW-3115	Spring Washer (@8)			O	4	
H1-2-4	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
H1-2-5	04002000I000	X-Motor Bracket				1	
H1-2-6	08087SC-7113	Hex.Socket Bolt(M8*L25)			O	3	
H1-2-7	15095SW-3115	Spring Washer (@8)			O	3	
H1-2-8	04029SW-A001	Stud Bolt Washer(S) (@8)			O	3	
H1-2-9	04001900H000	Ball Bearing (6004NR)			O	1	
H1-2-10	04003500B000	Bearing Stopper Collar "A"				1	
H1-2-11	14060AF-4517	Hex.Socket Screw(M6*L6)			O	2	
H1-2-12	PL-000053-00	X-Y Driving Shaft Timing Pulley	Jul,05,10 ~			1	
H1-2-13	04001700H000	Driving Shaft Coupling				1	
H1-2-14	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	2	
H1-2-15	04002200I000	X Motor Base				1	
H1-2-16	08087SC-7113	Hex.Socket Bolt(M8*L25)			O	4	
H1-2-17	15095SW-3115	Spring Washer (@8)			O	4	
H1-2-18	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
H1-2-19	15019SC-4113	Hex. Socket Bolt (M8*L40)			O	1	
H1-2-20	15095SW-3115	Spring Washer (@8)			O	1	
H1-2-21	04029SW-A001	Stud Bolt Washer(S) (@8)			O	1	
H1-2-22	02-009A-8180	Ball Bearing (6004NR)			O	2	
H1-2-23	03005210H000	COLLAR "A"				2	
H1-2-24	14060AF-4517	Hex.Socket Screw(M6*L6)			O	4	
H1-2-25	GP-005422-00	X Driving Pulley Shaft	Nov,06,04 ~	X		1	
H1-2-26	GP-044599-00	COUPLING @20	Dec,23,08 ~	X	O	3	
H1-2-27	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	12	
H1-2-28	04100330I000	TIMMING PULLEY(72-S5M-050)				1	
H1-2-29	14061AF-4517	Hex.Socket Screw(M8*L8)			O	8	
H1-2-30	04100410I000	TIMMING BELT (50-S5M-475)				1	
H1-2-31	12002300I000	X-Y Axis Servo Motor Cover				1	
H1-2-32	18033SC-3123	Truss Screw (M5*L6)			O	8	
H1-2-33	AS-008542-00	X-Motor Assy				1	

H1

H1-3

The diagram illustrates the assembly of the H1-3 unit. The components and their assembly sequence are as follows:

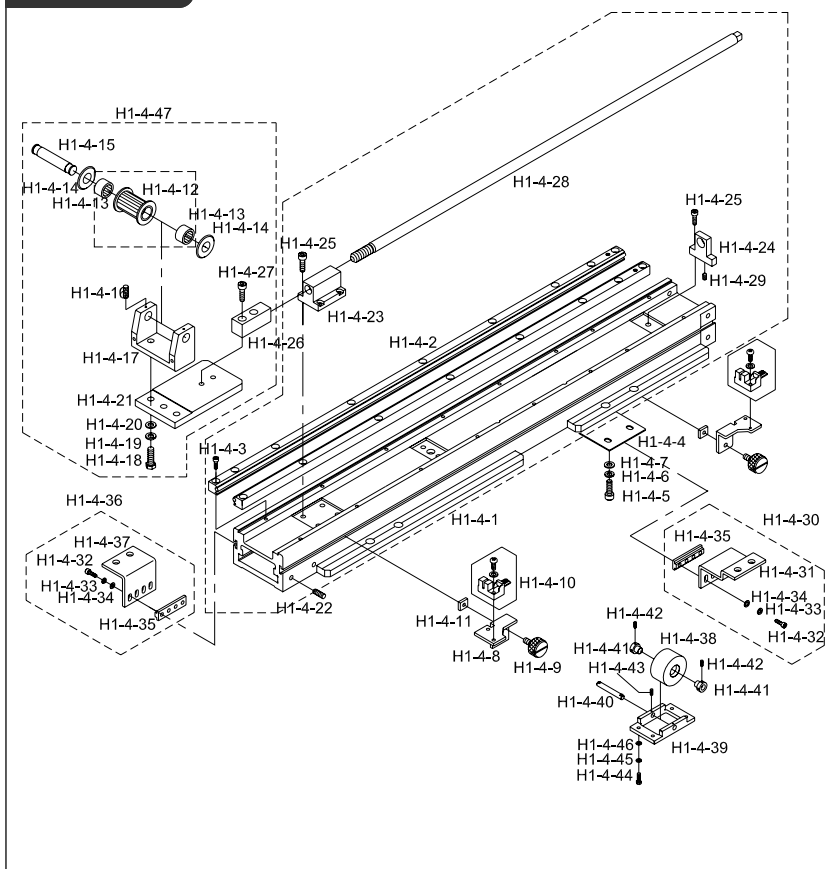
- H1-3-1**: The main horizontal rail.
- H1-3-2**: A screw used to secure the rail.
- H1-3-3**: A long, narrow component, likely a filter or cover, that fits into the rail.
- H1-3-4**: A small rectangular component that fits into the rail.
- H1-3-5**: A small cylindrical component that fits into the rail.
- H1-3-6**: A small cylindrical component that fits into the rail.
- H1-3-7**: A small rectangular component that fits into the rail.
- H1-3-8**: A small cylindrical component that fits into the rail.
- H1-3-9**: A small cylindrical component that fits into the rail.
- H1-3-10**: A small rectangular component that fits into the rail.
- H1-3-11**: A small rectangular component that fits into the rail.
- H1-3-12**: A screw used to secure the rail.
- H1-3-13**: A small rectangular component that fits into the rail.
- H1-3-14**: A small rectangular component that fits into the rail.
- H1-3-15**: A small cylindrical component that fits into the rail.
- H1-3-16**: A small cylindrical component that fits into the rail.
- H1-3-17**: A small cylindrical component that fits into the rail.

The assembly is shown in a perspective view, with dashed lines indicating the alignment and fit of the components. The components are labeled with their respective part numbers, and the assembly sequence is indicated by the order of the labels.

H1,H2 : 04200000I00I Y-CAM ROLLER GUIDE Assy



H1-4

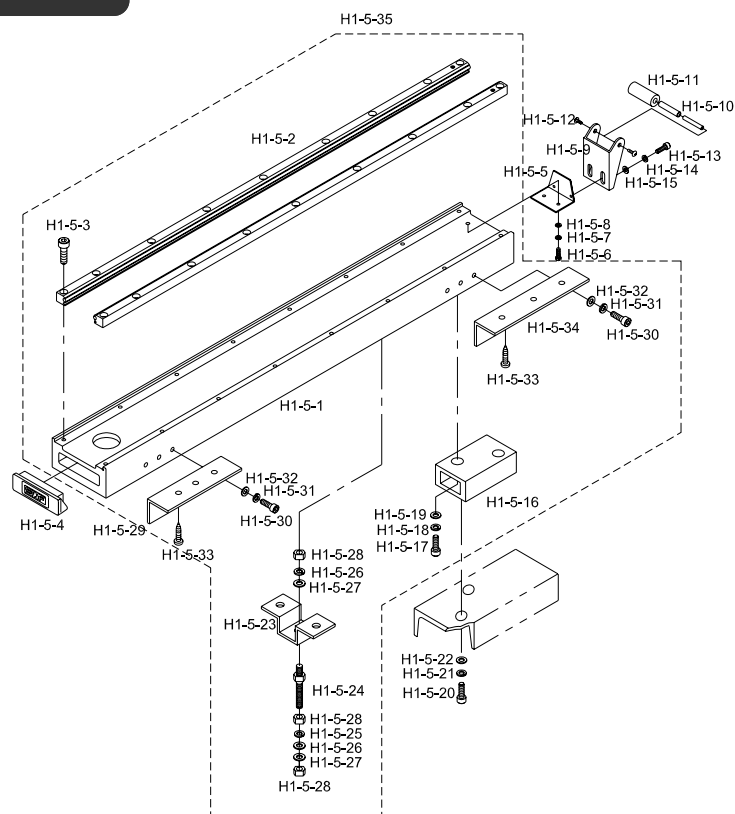


Note

H1,H2 : 042000001001 Y-CAM ROLLER GUIDE Assy

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-4-1	042001001001	Y - Axis Frame L=1288				8	
H1-4-2	042002001001	Y Cam Roller Guide Rail L=1288				8	
H1-4-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				20	
H1-4-4	GP-004577-00	Y - Frame Support Plate	Sep.03,04 ~	X		8	
H1-4-5	15019SC-4113	Hex. Socket Bolt (M8*L40)			O	32	
H1-4-6	15095SW-3115	Spring Washer (@8)			O	32	
H1-4-7	04029SW-A001	Stud Bolt Washer(S) (@8)			O	32	
H1-4-8	04000600F000	Perception Sensor Bracket X,Y				2	
H1-4-9	15120SC-A001	Position Adjusting Screw				2	
H1-4-10	15046EL-CT01	Xy-Sensor Assy				2	
H1-4-11	15056PR-B001	Square Washer				2	
H1-4-12	04700100B000	Y-Drive Timing Pulley				4	
H1-4-13	15042BR-A001	Needle Bearing (1210Zz)			O	8	
H1-4-14	15046RB-A001	Driving Pin Washer (Tw1225)				8	
H1-4-15	04104400B000	X-Y Timing Pulley Bracket				4	
H1-4-16	03022SC-4517	Hex. Socket Set Screw(M4*L5)			O	8	
H1-4-17	04000640I000	TIMING PULLEY BRACKET (C)				4	
H1-4-18	15028SC-1111	Hex. Bolt (M6*L20)				12	
H1-4-19	03026SW-9115	Spring Washer (@6)			O	12	
H1-4-20	08057SW-1111	Washer (@6)			O	12	
H1-4-21	04202400B000	Timing Pulley Tension Base(N)			O	4	
H1-4-22	14060AF-4517	Hex.Socket Screw(M6*L6)				8	
H1-4-23	04200400B000	Y Adjusting Shaft Guide (A)			O	4	
H1-4-24	04200500B000	Y Adjusting Shaft Guide (B)				4	
H1-4-25	16059SC-7113	Hex.Socket Bolt (M6*L12)			O	24	
H1-4-26	04200600B000	Adjusting Shaft Stopper				4	
H1-4-27	14006SC-7113	Hex.Socket Set Screw(M8*L15)			O	8	
H1-4-28	15033CW-B001	Cam Roller Screw "B"				4	
H1-4-29	14061AF-4517	Hex.Socket Screw(M8*L8)			O	4	
H1-4-30	04920000H000	SUPPORT ANGLE FOR TABLE "B" (SET)				2	
H1-4-31	15051PR-H041	SUPPORT ANGLE FOR TABLE "B-1"				2	
H1-4-32	04010MC-7113	HEX.SOCKET BOLT (M4*L10)			O	64	
H1-4-33	18014SW-3115	SPRING WASHER (@4-NO2)			O	64	
H1-4-34	18015SW-3111	WASHER (4@)			O	64	
H1-4-35	15052CW-B041	SUPPORT ANGLE BRACKET TABLE				8	
H1-4-36	04910000B000	SUPPORT ANGLE FOR TABLE "A" (SET)				6	
H1-4-37	15050PR-B041	SUPPORT ANGLE FOR TABLE "A"				6	

H1-5

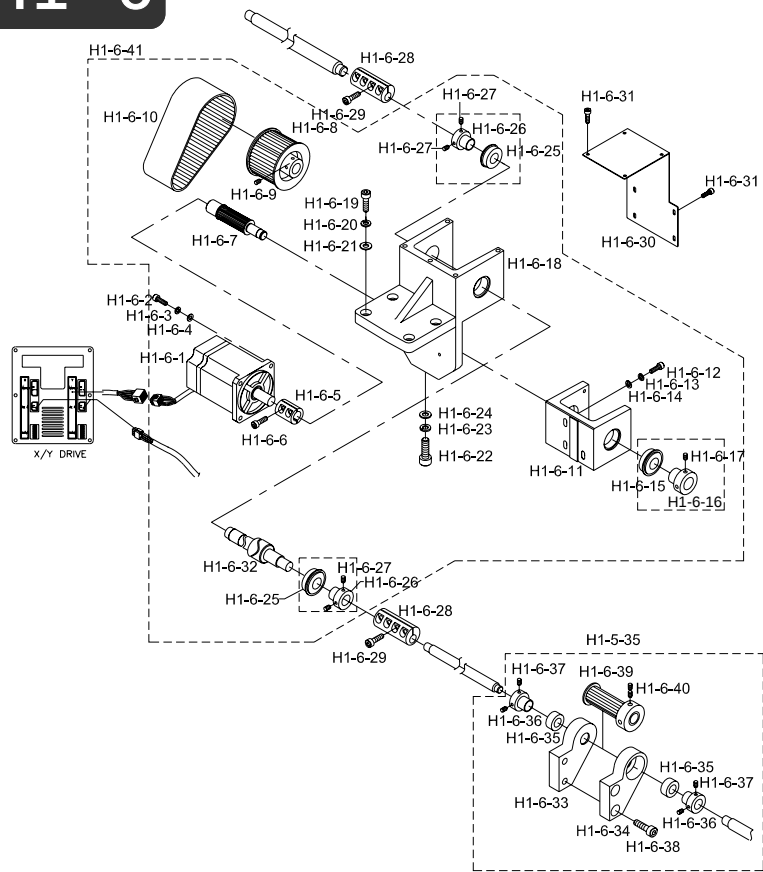


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-5-1	08400310I001	Y - Axis Frame (F) L=1265				4	
H1-5-2	08400311I001	Cam Roller Guide Rail (L=1265)				8	
H1-5-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				20	
H1-5-4	15092RB-B001	V-RAIL SUPPORT RUBBER CAP				4	
H1-5-5	08400700F000	Support Bracket				4	
H1-5-6	18047SC-7113	Hex/ Socket Bolt (M5*L15)			O	8	
H1-5-7	18048SW-3115	Spring Washer (5@)			O	8	
H1-5-8	18049SW-3111	Washer (@5)			O	8	
H1-5-9	GP-006914-00	Roller Bracket	Jan,12,05 ~	x		4	
	GP-006914-01		Jun,02,05 ~				
	GP-006914-02		May,03,06 ~				
H1-5-10	15174CW-A001	Roller Pin				4	
H1-5-11	15176CW-A001	Guide Roller				4	
H1-5-12	07018SC-8118	Truss Screw (M3*L6)			O	4	
H1-5-13	02015SC-7113	Hex.Socket Bolt(M4*L10)			O	8	
H1-5-14	18014SW-3115	Spring Washer (@4-No2)			O	8	
H1-5-15	18015SW-3111	Washer (4@)			O	8	
H1-5-16	15095AD-B001	Spacer				4	
H1-5-17	14006SC-7113	Hex.Socket Set Screw(M8*L15)			O	8	
H1-5-18	15095SW-3115	Spring Washer (@8)			O	8	
H1-5-19	04029SW-A001	Stud Bolt Washer(S) (@8)			O	8	
H1-5-20	15020SC-4113	Hex,Socket Bolt (M8*L50)			O	8	
H1-5-21	15095SW-3115	Spring Washer (@8)			O	8	
H1-5-22	04029SW-A001	Stud Bolt Washer(S) (@8)			O	8	
H1-5-23	15097PR-B001	Stud Bracket				4	
H1-5-24	15096CW-B001	Stud Bolt (M8*L90)			O	4	
H1-5-25	15095SW-3115	Spring Washer (@8)			O	12	
H1-5-26	04029SW-A001	Stud Bolt Washer(S) (@8)			O	8	
H1-5-27	04030SW-A001	Stud Bolt Washer(L) (@8)			O	4	
H1-5-28	04032SN-A001	Hex. Nut (M8-No2)			O	12	
H1-5-29	15093AD-B001	Table Support				8	
H1-5-30	18047SC-7113	Hex/ Socket Bolt (M5*L15)			O	16	
H1-5-31	18048SW-3115	Spring Washer (5@)			O	48	
H1-5-32	18049SW-3111	Washer (@5)			O	48	
H1-5-33	16010SC-8330	Tapping Screw (M6*L25)			O	48	
H1-5-34	15094AD-B001	Table Support(B)				8	
H1-5-35	08400000I001	V-RAIL Assy				4	

H1

H1-6



Note

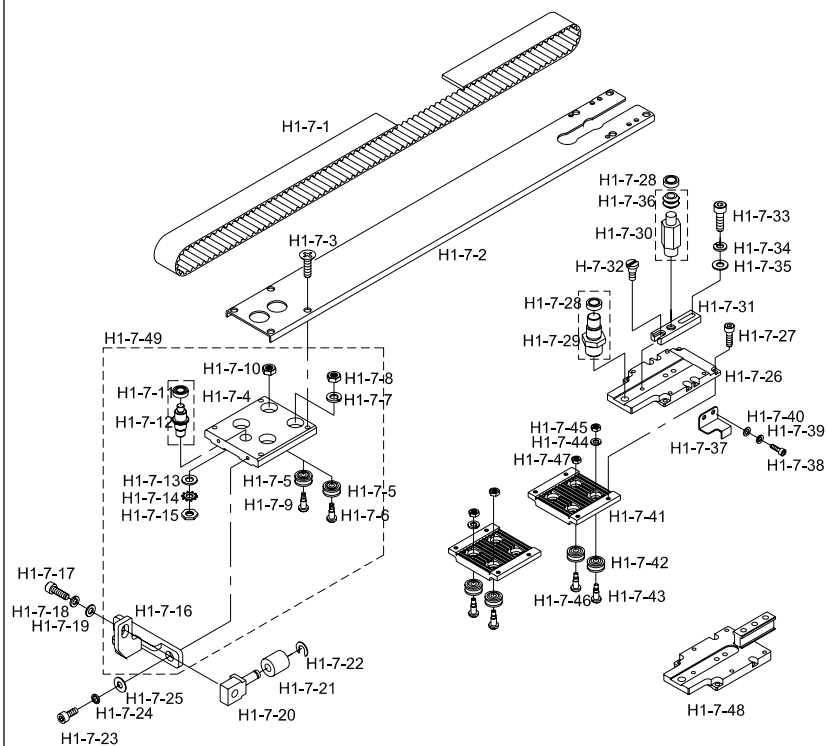
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-6-1	04001410H000	Y-Driving Motor [P20B10100DXS00]				1	
H1-6-2	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	4	
H1-6-3	15095SW-3115	Spring Washer (@8)			O	4	
H1-6-4	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
H1-6-5	04001700H000	Driving Shaft Coupling				1	
H1-6-6	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	2	
H1-6-7	04001600I000	Y-Axis Timing Pulley				1	
H1-6-8	04100330I000	TIMMING PULLEY(72-S5M-050)				1	
H1-6-9	14061AF-4517	Hex.Socket Screw(M8*L8)			O	8	
H1-6-10	04100410I000	TIMMING BELT (50-S5M-475)				1	
H1-6-11	04002000I000	Y-Motor Bracket				1	
H1-6-12	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	3	
H1-6-13	15095SW-3115	Spring Washer (@8)			O	3	
H1-6-14	04029SW-A001	Stud Bolt Washer(S) (@8)			O	3	
H1-6-15	04001900H000	BALL BEARING 6004NR			O	1	
H1-6-16	04003500B000	Needle Bearing Collar				1	
H1-6-17	14060AF-4517	Hex.Socket Set Screw(M5*L5)			O	2	
H1-6-18	04002200I000	Y-MOTER BASE				1	
H1-6-19	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	4	
H1-6-20	15095SW-3115	Spring Washer (@8)			O	4	
H1-6-21	04029SW-A001	Stud Bolt Washer(S) (@8)			O	4	
H1-6-22	15019SC-4113	Hex. Socket Bolt (M8*L40)			O	1	
H1-6-23	15095SW-3115	Spring Washer (@8)			O	1	
H1-6-24	04029SW-A001	Stud Bolt Washer(S) (@8)			O	1	
H1-6-25	02-009A-8180	Ball Bearing 6005NR			O	2	
H1-6-26	03005210H000	Collar "A"				2	
H1-6-27	14060AF-4517	Hex.Socket Screw(M6*L6)			O	4	
H1-6-28	GP-044599-00	COUPLING @20	Dec,23,08 ~	X	O	2	
H1-6-29	08091SC-7113	Hex.Socket Bolt(M6*L20)			O	8	
H1-6-30	12002300I000	Y-Axis Servo Motor Cover A				1	
H1-6-31	18033SC-3123	Truss Screw (M5*L6)			O	4	
H1-6-32	04200210I000	Y-Driving Pulley Shaft				1	
H1-6-33	04000650I000	TIMING PULLEY BRACKET (L)				4	
H1-6-34	04000660I000	TIMING PULLEY BRACKET (R)				4	
H1-6-35	04000630I000	Needle Bearing (Nk18/16A)			O	8	
H1-6-36	04003500I000	NEEDLE BEARING COLLAR				8	
H1-6-37	14060AF-4517	HEX.SOCKET SCREW(M6*L6)			O	16	

H1-6

This diagram illustrates the exploded view of the H1-6 assembly. The components are labeled as follows:

- H1-6-1: Motor unit
- H1-6-2: X/Y DRIVE (Control unit)
- H1-6-3, H1-6-4: Wires
- H1-6-5: Cable
- H1-6-6: Connector
- H1-6-7, H1-6-9: Screws
- H1-6-8: Nut
- H1-6-10: Fan
- H1-6-11: Bracket
- H1-6-12, H1-6-13, H1-6-14: Screws
- H1-6-15, H1-6-16: Washers
- H1-6-17: Nut
- H1-6-18: Bracket
- H1-6-19, H1-6-20, H1-6-21: Screws
- H1-6-22, H1-6-23, H1-6-24: Washers
- H1-6-25, H1-6-26, H1-6-27: Screws
- H1-6-28: Cable
- H1-6-29: Nut
- H1-6-30: Bracket
- H1-6-31: Screws
- H1-6-32: Cable
- H1-6-33, H1-6-34, H1-6-35, H1-6-36, H1-6-37, H1-6-38: Various screws and washers
- H1-6-39: Nut
- H1-6-40: Washer
- H1-6-41: Cable

H1-7



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H1-7-1	04000500I001	Y-Drive Timing Belt (W:48)				4	
H1-7-2	08000600I001	Joint Cover For Bearing Block				4	
H1-7-3	15084SC-7119	C.S Screw (M4*L6)			O	32	
H1-7-4	08400400I000	Y-Axis Bearing Block (F)				4	
H1-7-5	15001BR-B001	Cam Roller Bearing				16	
H1-7-6	15002CW-B001	Cam Roller Stud (A)				8	
H1-7-7	02028SW-9115	Spring Washer (@4)			O	8	
H1-7-8	15029SN-3211	Hex. Nut (M4-No2)			O	8	
H1-7-9	15003CW-B001	Cam Roller Stud (B)				8	
H1-7-10	12010SN-1211	Hex.Nut (M5)			O	8	
H1-7-11	15077BR-B001	Ball Bearing (Lr606Nppu)			O	4	
H1-7-12	08400110H000	Y-Rail Guide Shaft (Front-A)				4	
H1-7-13	15077SW-2111	Washer (8@-S)			O	4	
H1-7-14	15078SW-8113	Toothed Lock Washer (@8)			O	4	
H1-7-15	15079SN-2311	Rail Guide Shaft Nut				4	
H1-7-16	08000720H000	Frame Injured Prevent Bracket				4	
H1-7-17	02023SC-7113	Hex.Socket Bolt (M4*L8)			O	4	
H1-7-18	18014SW-3115	Spring Washer (@4-No2)			O	4	
H1-7-19	18015SW-3111	Washer (4@)			O	4	
H1-7-20	10507400I000	Shaft for Surface Prevention				4	
H1-7-21	10507500I000	Roller "A" For Frame Y-Axis				4	
H1-7-22	15159SR-4013	E-Ring (3@)			O	4	
H1-7-23	02015SC-7113	Hex.Socket Bolt(M4*L10)			O	8	
H1-7-24	18014SW-3115	Spring Washer (@4-No2)			O	8	
H1-7-25	18015SW-3111	Washer (4@)			O	8	
H1-7-26	04000900I000	Y-Axis Bearing Block (Rear)				4	
H1-7-27	15067SC-A001	Hex.Socket Bolt (M4*L7)			O	32	
H1-7-28	15077BR-B001	Ball Bearing (Lr606Nppu)			O	8	
H1-7-29	15098CW-A001	RAIL GUIDE PIN "B"				4	
H1-7-30	15097CW-A001	RAIL GUIDE PIN "A"				4	
H1-7-31	GP-006299-00	ADJUSTING BLOCK FOR BEARING	Dec,18,04 ~	X		4	
H1-7-32	15074SC-A001	Stopper Stud				4	
H1-7-33	03016SC-4113	Hex. Socket Bolt (M5*L15)			O	8	
H1-7-34	18048SW-3115	Spring Washer (@5)			O	8	
H1-7-35	WS-000083-00	@5 - Washer	Dec,20,04 ~	X	O	8	
H1-7-36	18111CW-B001	Frame 'E' Roller				4	
H1-7-37	04000800H000	Sensor Plate "Y"				1	

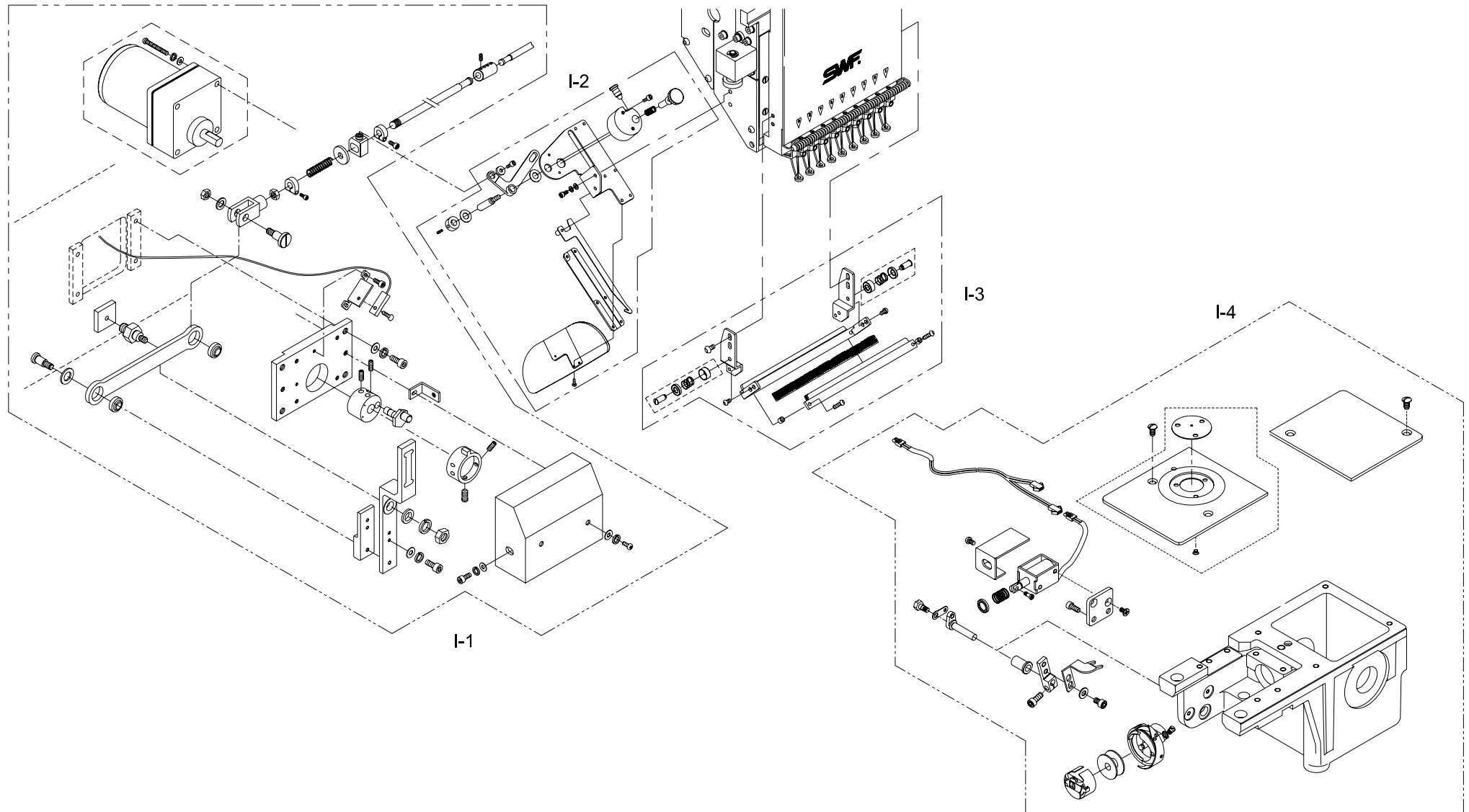
This exploded view diagram illustrates the assembly of the H1-7 unit. The components are labeled as follows:

- H1-7-1**: A long, thin metal plate with a series of small holes along one edge.
- H1-7-2**: A long, thin metal plate with a series of small holes along one edge.
- H1-7-3**: A small metal plate with two holes.
- H1-7-4**: A small metal plate with four holes.
- H1-7-5**: A small metal plate with two holes.
- H1-7-6**: A small metal plate with two holes.
- H1-7-7**: A small metal plate with two holes.
- H1-7-8**: A small metal plate with two holes.
- H1-7-9**: A small metal plate with two holes.
- H1-7-10**: A small metal plate with two holes.
- H1-7-11**: A small metal plate with two holes.
- H1-7-12**: A small metal plate with two holes.
- H1-7-13**: A small metal plate with two holes.
- H1-7-14**: A small metal plate with two holes.
- H1-7-15**: A small metal plate with two holes.
- H1-7-16**: A small metal plate with two holes.
- H1-7-17**: A small metal plate with two holes.
- H1-7-18**: A small metal plate with two holes.
- H1-7-19**: A small metal plate with two holes.
- H1-7-20**: A small metal plate with two holes.
- H1-7-21**: A small metal plate with two holes.
- H1-7-22**: A small metal plate with two holes.
- H1-7-23**: A small metal plate with two holes.
- H1-7-24**: A small metal plate with two holes.
- H1-7-25**: A small metal plate with two holes.
- H1-7-26**: A small metal plate with two holes.
- H1-7-27**: A small metal plate with two holes.
- H1-7-28**: A small metal plate with two holes.
- H1-7-29**: A small metal plate with two holes.
- H1-7-30**: A small metal plate with two holes.
- H1-7-31**: A small metal plate with two holes.
- H1-7-32**: A small metal plate with two holes.
- H1-7-33**: A small metal plate with two holes.
- H1-7-34**: A small metal plate with two holes.
- H1-7-35**: A small metal plate with two holes.
- H1-7-36**: A small metal plate with two holes.
- H1-7-37**: A small metal plate with two holes.
- H1-7-38**: A small metal plate with two holes.
- H1-7-39**: A small metal plate with two holes.
- H1-7-40**: A small metal plate with two holes.
- H1-7-41**: A small metal plate with two holes.
- H1-7-42**: A small metal plate with two holes.
- H1-7-43**: A small metal plate with two holes.
- H1-7-44**: A small metal plate with two holes.
- H1-7-45**: A small metal plate with two holes.
- H1-7-46**: A small metal plate with two holes.
- H1-7-47**: A small metal plate with two holes.
- H1-7-48**: A small metal plate with two holes.
- H1-7-49**: A small metal plate with two holes.

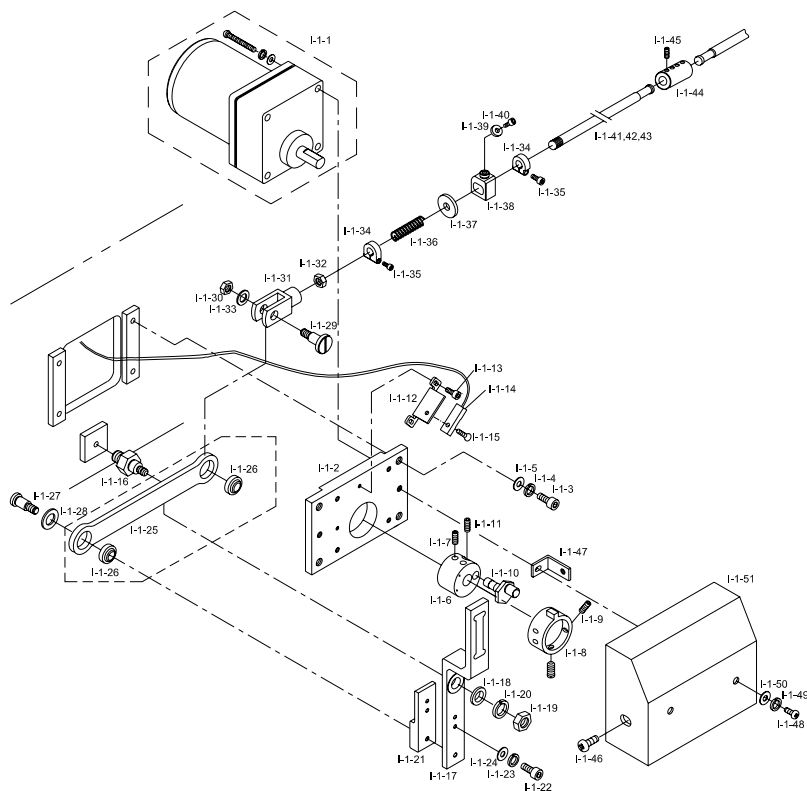
Note



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	03003210H000	Motor Base				1	
I-1-3	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	4	
I-1-4	16014SW-4115	Spring Washer (@6)			O	4	
I-1-5	08057SW-1111	Washer (@6)			O	4	
I-1-6	03003300H000	Cam Shaft Fixing Block				1	
I-1-7	05008MC-4517	Hex.Socket Bolt(M5*L8)			O	2	
I-1-8	GP-005184-00	SENSOR SENSING ADJUSTING RING	Oct,14,04 ~	X		1	
	GP-005184-01		May,19,05 ~				
I-1-9	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	2	
I-1-10	03003500H000	Motor Driving Cam Shaft				1	
I-1-11	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	1	
I-1-12	GP-005180-00	UPPER THREAD HOOK SENSOR BASE	Oct,13,04 ~	X		1	
I-1-13	07035SC-7113	Bracket Screw (M3*L6)			O	2	
I-1-14	15-027A-2070	SENSOR				1	
I-1-15	27076SC-8119	Plus Screw (M3*L12)			O	1	
I-1-16	03003800H000	Stud Bolt for Driving Plate				1	
I-1-17	03003910H000	Upper Thread Driving Plate				1	
I-1-18	WS-000549-00	Stud Bolt Washer	Feb,20,09 ~	X		1	
	WS-000549-01		Jun,24,09 ~				
I-1-19	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
I-1-20	16014SW-4115	Spring Washer (@6)			O	1	
I-1-21	03004110H000	Driving Plate Block B				1	
I-1-22	18047SC-7113	Hex.Socket Bolt (M5*L15)			O	1	
I-1-23	18048SW-3115	Spring Washer (@5)			O	1	
I-1-24	18049SW-3111	Washer (@5)			O	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)			O	1	
I-1-31	03004800H000	Connecting Plate Knuckle				1	
I-1-32	04032SN-A001	Hex. Nut (M8-No2)			O	1	
I-1-33	16014SW-4115	SPRING WASHER (@6)			O	1	
I-1-34	LWP-BK0003-00	Return Spring Stopper	Dec,28,10 ~	X		20	
	LWP-BK0003-01		Jul,01,11 ~				
I-1-35	05026SC-H001	Hex. Socket Bolt (M4*L10)			O	20	
I-1-36	03002700H000	Return Spring				10	

Note



Technical drawing of a mechanical assembly. It shows a vertical plate with a horizontal rail and a series of vertical pins. The rail is labeled 'SMF'.



I-3

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

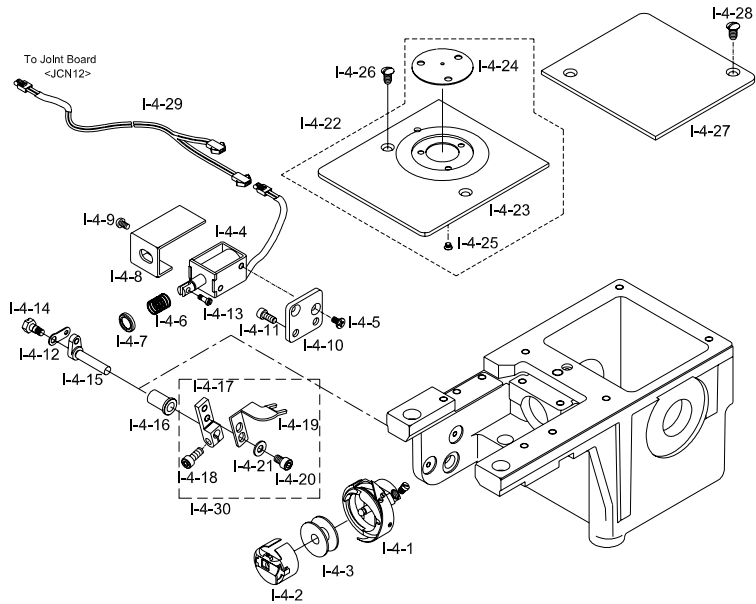
- Door Panel:** The large rectangular panel at the top, featuring the **SMF** logo and a series of numbered callouts (1-9) indicating the location of internal components.
- Door Frame:** The structural frame on the left, which houses the door's internal mechanism.
- Door Handle:** A long, horizontal handle with a textured grip, labeled **I-3-1**.
- Door Latch:** A vertical latch mechanism, labeled **I-3-2**, which is mounted to the door frame and the door panel.
- Door Lock:** A cylindrical lock mechanism, labeled **I-3-3**, which is mounted to the door panel.
- Door Hinge:** A hinge mechanism, labeled **I-3-4**, which is mounted to the door frame and the door panel.
- Door Seal:** A long, black, rectangular seal, labeled **I-3-5**, which is mounted to the door panel.
- Door Stop:** A small, rectangular stop, labeled **I-3-6**, which is mounted to the door frame.
- Door Spring:** A coiled spring, labeled **I-3-7**, which is mounted to the door frame and the door panel.
- Door Bolt:** A bolt, labeled **I-3-8**, which is used to secure the door panel to the door frame.
- Door Screws:** Various screws, labeled **I-3-9** and **I-3-10**, are used to secure the door panel and the door handle.
- Door Mounting Bracket:** A bracket, labeled **I-3-11**, which is used to mount the door panel to the door frame.

The diagram shows the door panel being attached to the door frame using the door handle, door latch, door lock, door hinge, door seal, door stop, door spring, door bolt, door screws, and door mounting bracket. The door panel is shown in a partially open position, revealing the internal mechanism.

Note



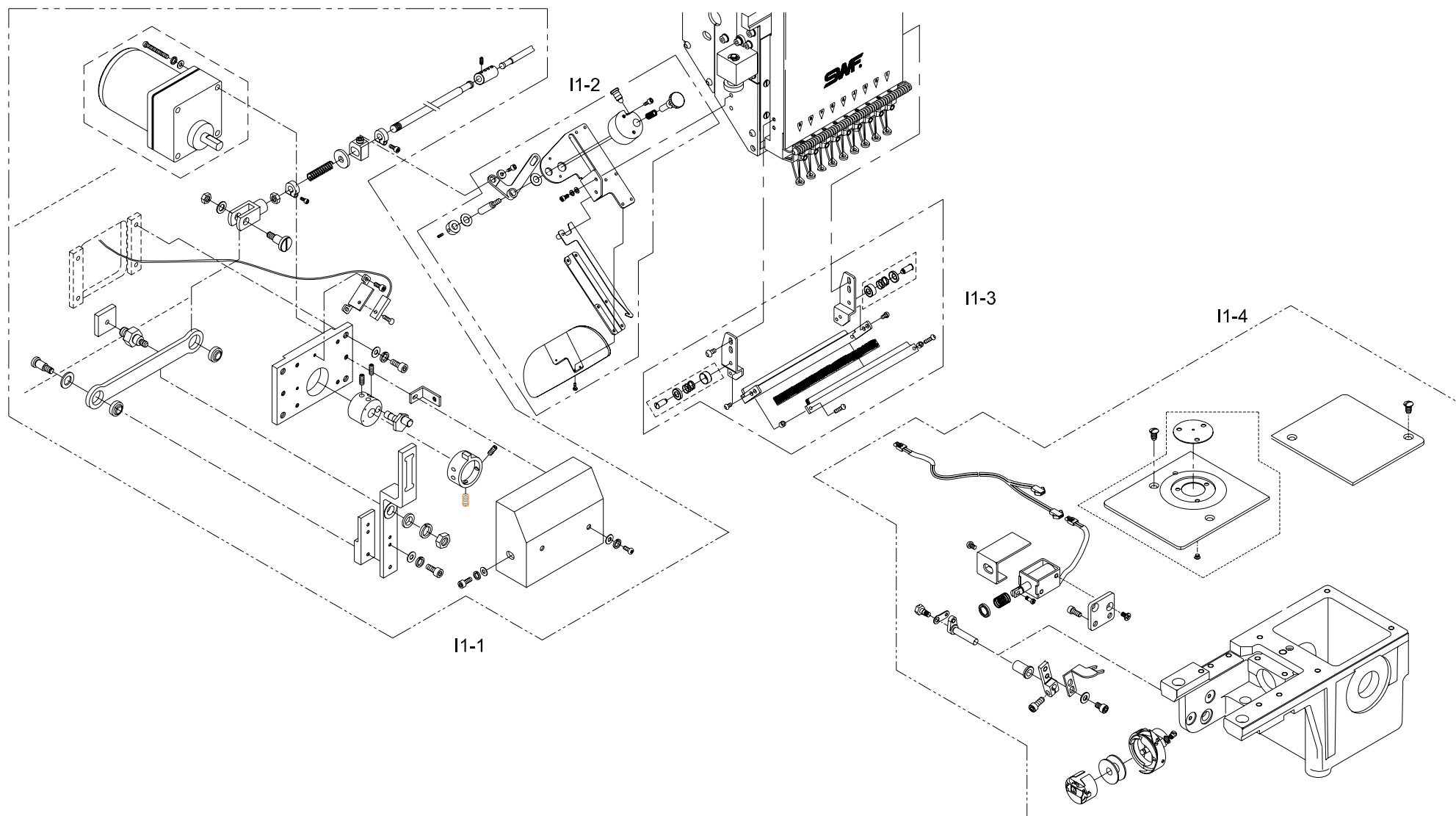
I-4



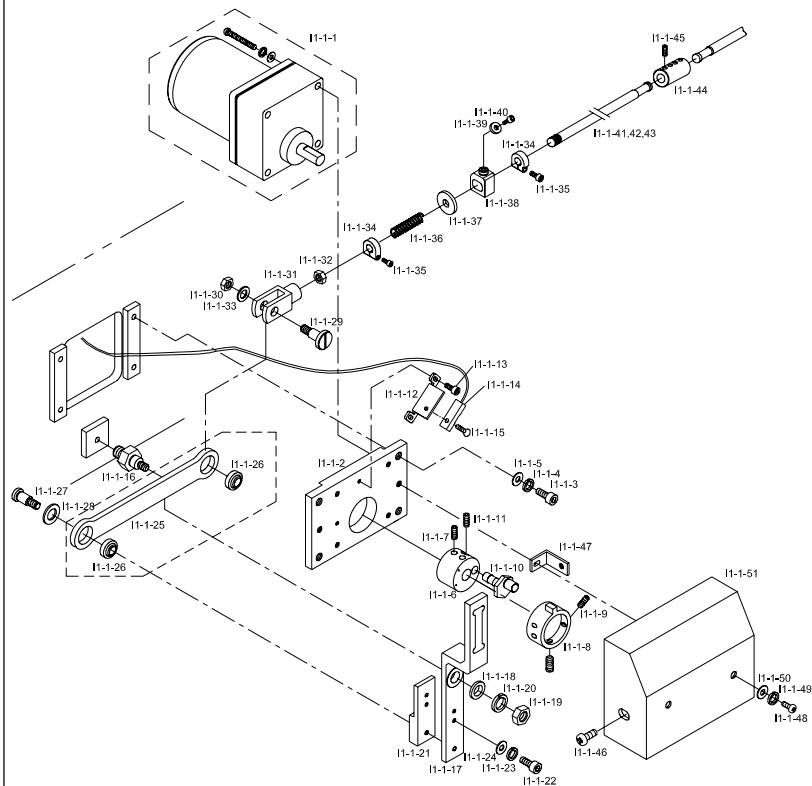
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-4-1	04033AF-H002	Rotary Hook			O	20	
	04033AF-H004	Rotary Hook (Option)			O	20	
I-4-2	04034AF-A001	Bobbin Case Set			O	20	
	04034AF-H003	Bobbin Case Set (Option)			O	20	
I-4-3	04035AF-A001	Bobbin			O	20	
	04035AF-H003	Bobbin (Option)			O	20	
I-4-4	AS-003234-00	Picker Sol. Set	Aug,07,04 ~	X		20	
I-4-5	10010SC-8119	Plus Screw (M3*L5)			O	40	
I-4-6	10011SP-A001	Sol. Spring				20	
I-4-7	10012RB-A001	Cushion Washer				20	
I-4-8	10013PM-A001	Picker Sol. Cover				20	
I-4-9	06010AF-8118	Plus Screw(M3*L4)			O	40	
I-4-10	10015PR-A001	Picker Sol. Base				20	
I-4-11	02023SC-7113	Hex. Socket Bolt (M4*L8)			O	40	
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-7110	Hex. Socket Bolt (M4*L8)			O	20	
I-4-19	10001AF-A001	Picker				20	
I-4-20	02014SC-7113	Hex. Socket Bolt (M4*L5)			O	40	
I-4-21	06003SW-2111	Washer (@4)			O	40	
I-4-22	12000110H000	Needle Plate Set @2.0				20	
I-4-23	12000300B000	Needle Plate				20	
I-4-24	12000410B000	Needle Plate Attachment @2.0				20	
I-4-25	04007SC-A001	Cushion Cover Screw (M3*L2.3)			O	60	
I-4-26	04004AF-A001	Needle Plate Screw				40	
I-4-27	04008PR-A001	Hook Base Cover				20	
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				20	

Setting (TA-WL012-120)



I1-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I1-1-1	03003100H000	Upper Thread Hook Motor Unit				1	
I1-1-2	03003210H000	Motor Base				1	
I1-1-3	06025MC-7113	Hex.Socket Bolt(M6*L25)			O	4	
I1-1-4	16014SW-4115	Spring Washer (@6)			O	4	
I1-1-5	08057SW-1111	Washer (@6)			O	4	
I1-1-6	03003300H000	Cam Shaft Fixing Block				1	
I1-1-7	05008MC-4517	Hex.Socket Bolt(M5*L8)			O	2	
I1-1-8	GP-005184-00	SENSOR SENSING ADJUSTING RING	Oct,14,04 ~	x		1	
	GP-005184-01		May,19,05 ~				
I1-1-9	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	2	
I1-1-10	03003500H000	Motor Driving Cam Shaft				1	
I1-1-11	04014SC-4517	Hex.Socket Set Screw(M5*L5)			O	1	
I1-1-12	GP-005180-00	UPPER THREAD HOOK SENSOR BASE	Oct,13,04 ~	X		1	
I1-1-13	07035SC-7113	Bracket Screw (M3*L6)			O	2	
I1-1-14	15-027A-2070	SENSOR				1	
I1-1-15	27076SC-8119	Plus Screw (M3*L12)			O	1	
I1-1-16	03003800H000	Stud Bolt for Driving Plate				1	
I1-1-17	03003910H000	Upper Thread Driving Plate				1	
I1-1-18	WS-000549-00	Stud Bolt Washer	Feb,20,09 ~	x		1	
	WS-000549-01		Jun,24,09 ~				
I1-1-19	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
I1-1-20	16014SW-4115	Spring Washer (@6)			O	1	
I1-1-21	03004110H000	Driving Plate Block B				1	
I1-1-22	18047SC-7113	Hex.Socket Bolt (M5*L15)			O	1	
I1-1-23	18048SW-3115	Spring Washer (@5)			O	1	
I1-1-24	18049SW-3111	Washer (@5)			O	1	
I1-1-25	GP-044787-00	Motor Driving Connect Plate	Jan,13,09 ~	X		1	
I1-1-26	03004400H000	Motor Driving Connect Bearing				2	
I1-1-27	03008300H000	Connecting Plate Stud Screw A				1	
I1-1-28	03004500H000	Connecting Plate Pin Washer				1	
I1-1-29	SC-001605-00	Connecting Plate Stud Screw	Jan,13,09 ~	X		1	
I1-1-30	13042SN-1111	Hex.Nut (M6*T5-R)			O	1	
I1-1-31	03004800H000	Connecting Plate Knuckle				1	
I1-1-32	04032SN-A001	Hex. Nut (M8-No2)			O	1	
I1-1-33	16014SW-4115	SPRING WASHER (@6)			O	1	
I1-1-34	LWP-BK0003-00	Return Spring Stopper	Dec,28,10 ~	X		20	
	LWP-BK0003-01		Jul.01,11 ~				
I1-1-35	05026SC-H001	Hex. Socket Bolt (M4*L10)			O	20	
I1-1-36	03002700H000	Return Spring				10	

Note

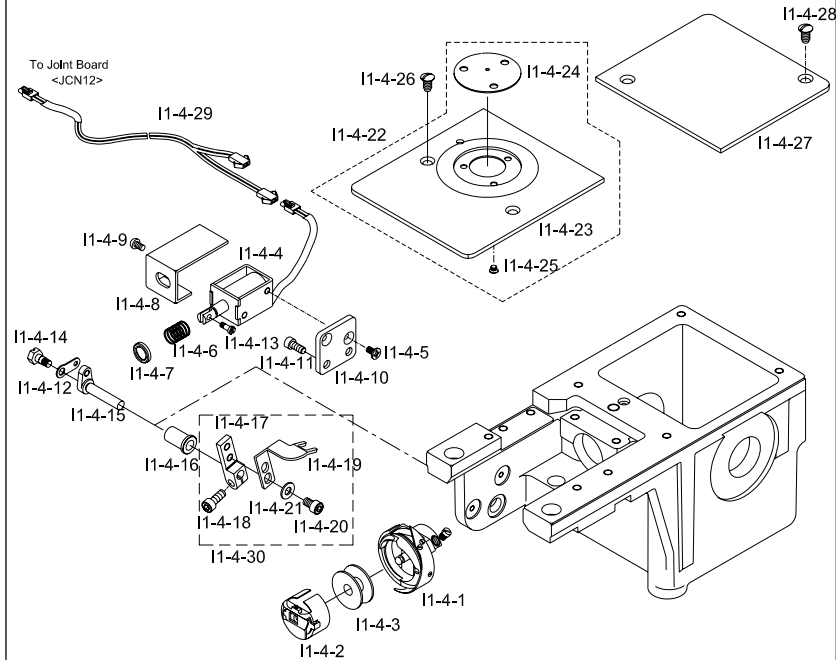
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Note

11

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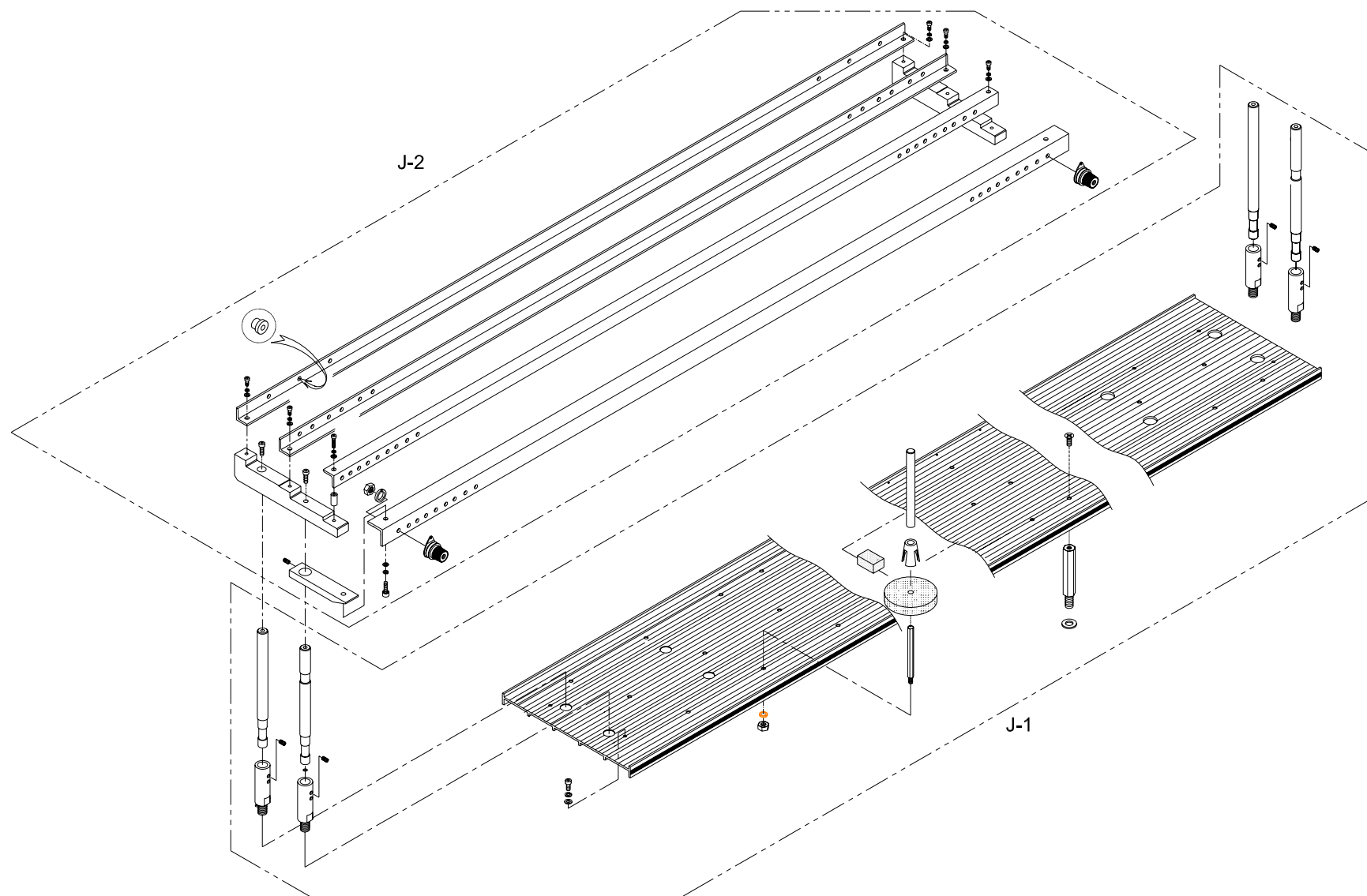
I1-4



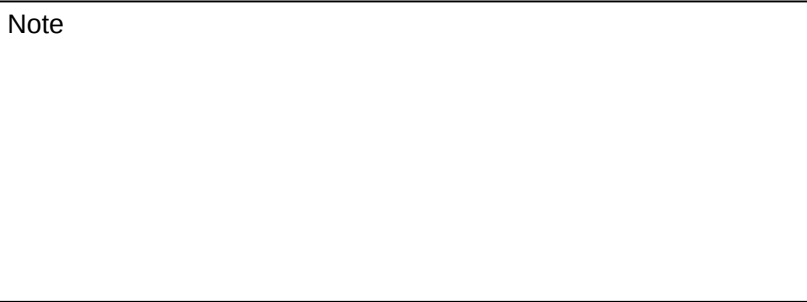
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I1-4-1	04033AF-H002	Rotary Hook			O	20	
	04033AF-H004	Rotary Hook (Option)			O	20	
I1-4-2	04034AF-A001	Bobbin Case Set			O	20	
	04034AF-H003	Bobbin Case Set (Option)			O	20	
I1-4-3	04035AF-A001	Bobbin			O	20	
	04035AF-H003	Bobbin (Option)			O	20	
I1-4-4	AS-003234-00	Picker Sol. Set	Aug,07,04 ~	X		20	
I1-4-5	10010SC-8119	Plus Screw (M3*L5)			O	40	
I1-4-6	10011SP-A001	Sol. Spring				20	
I1-4-7	10012RB-A001	Cushion Washer				20	
I1-4-8	10013PM-A001	Picker Sol. Cover				20	
I1-4-9	06010AF-8118	Plus Screw(M3*L4)			O	40	
I1-4-10	10015PR-A001	Picker Sol. Base				20	
I1-4-11	02023SC-7113	Hex. Socket Bolt (M4*L8)			O	40	
I1-4-12	10019PR-A001	Connecting Link				20	
I1-4-13	10021SC-A001	Sol. Stud Screw				20	
I1-4-14	10020SC-A001	Connecting Link Stud Screw				20	
I1-4-15	10006FU-A001	Picker Connecting Crank				20	
I1-4-16	08015PM-A001	Bushing				20	
I1-4-17	10004CW-A001	Picker Holder				20	
I1-4-18	02023SC-7110	Hex. Socket Bolt (M4*L8)			O	20	
I1-4-19	10001AF-A001	Picker				20	
I1-4-20	02014SC-7113	Hex. Socket Bolt (M4*L5)			O	40	
I1-4-21	06003SW-2111	Washer (@4)			O	40	
I1-4-22	12000110H000	Needle Plate Set @2.0				20	
I1-4-23	12000300B000	Needle Plate				20	
I1-4-24	12000410B000	Needle Plate Attachment @2.0				20	
I1-4-25	04007SC-A001	Cushion Cover Screw (M3*L2.3)			O	60	
I1-4-26	04004AF-A001	Needle Plate Screw				40	
I1-4-27	04008PR-A001	Hook Base Cover				20	
I1-4-28	04004AF-A001	Needle Plate Screw				40	
I1-4-29	CA-005486-00	Picker Solenoid To Joint Board				1	
	CA-005487-00	Picker Solenoid To Joint Board				1	
I1-4-30	AS-008142-00	Picker Assy				20	

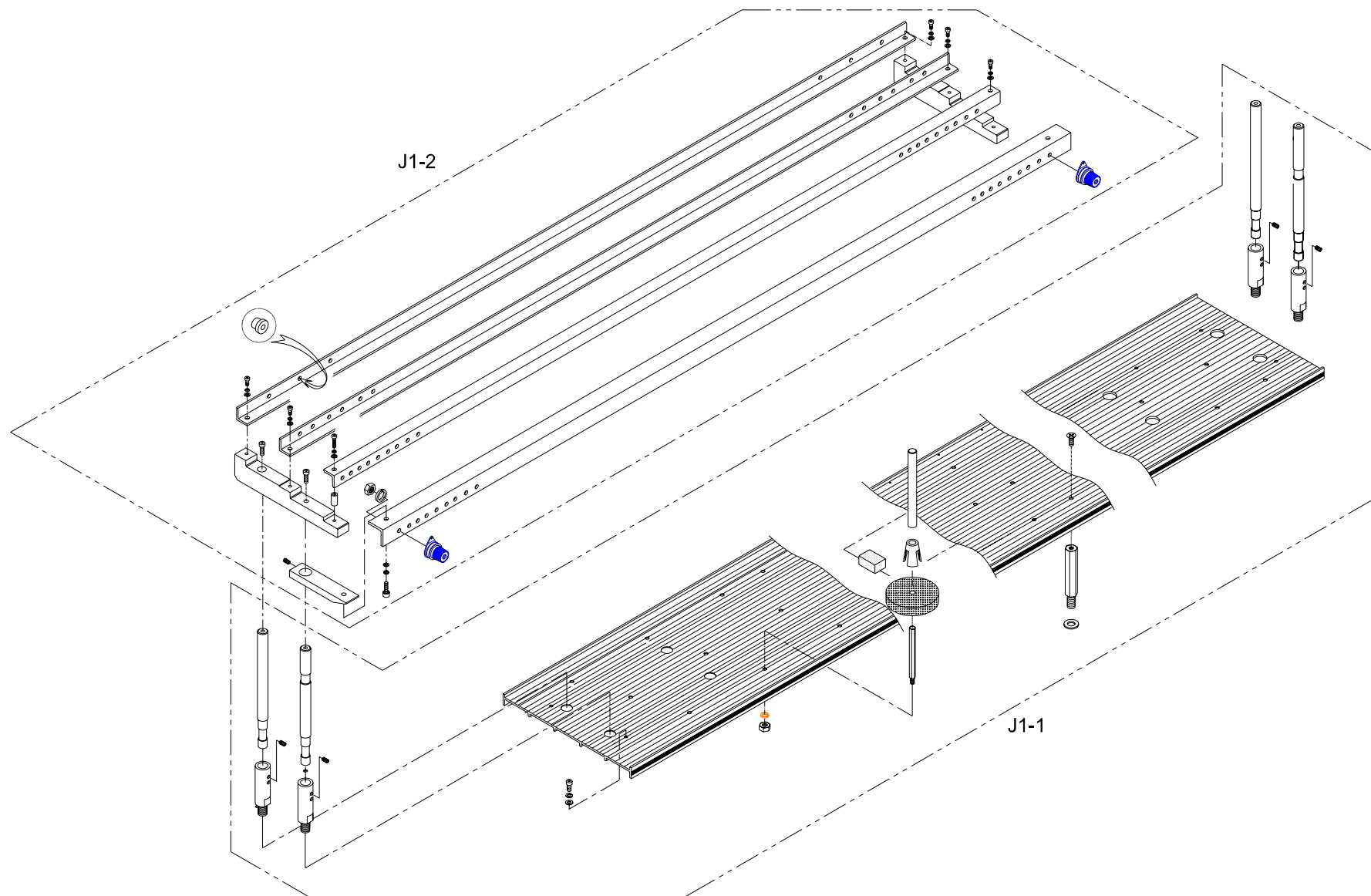
Spool



J

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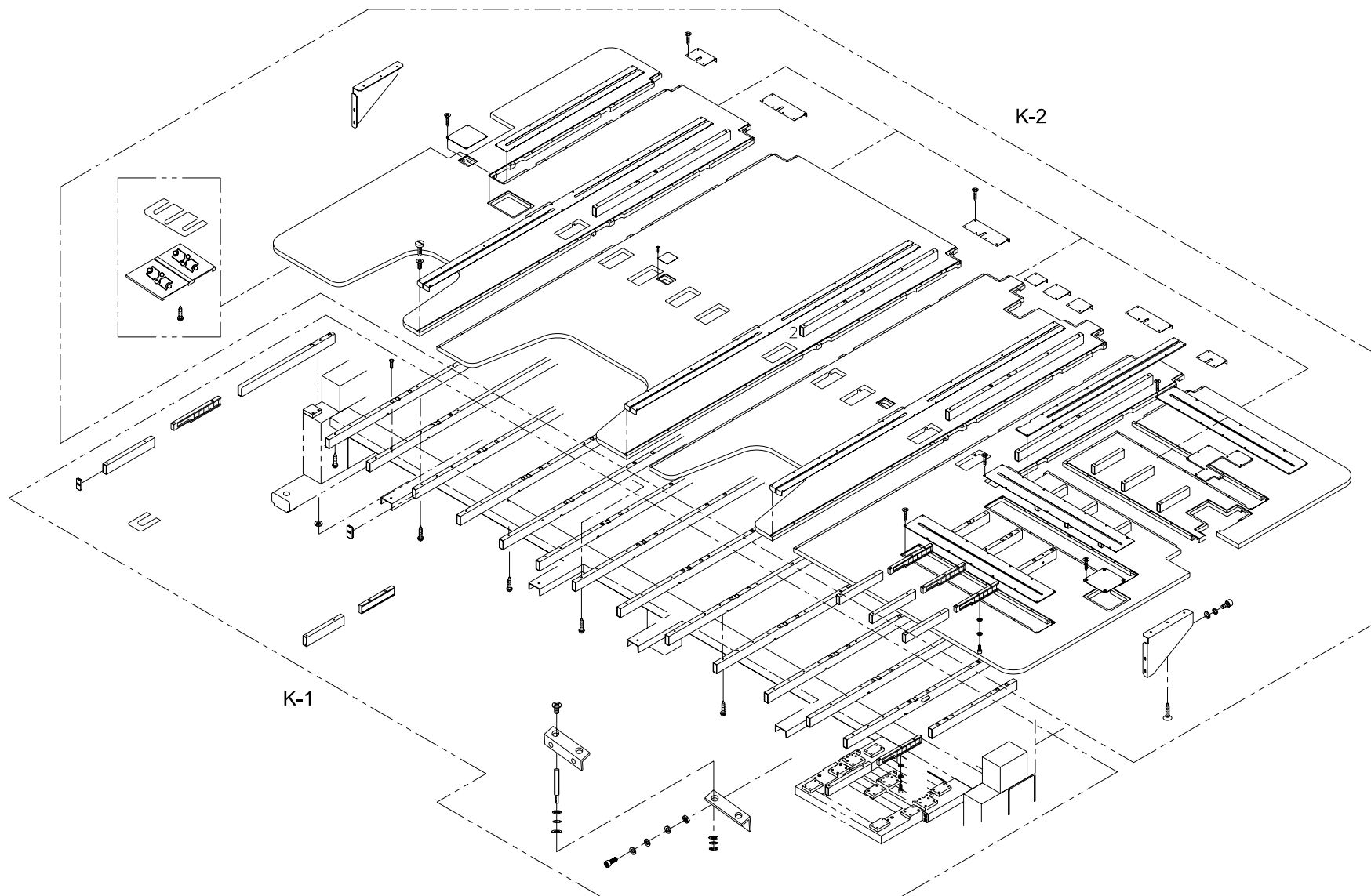
Spool (TA-WL012-120)



J1

110

Work Table



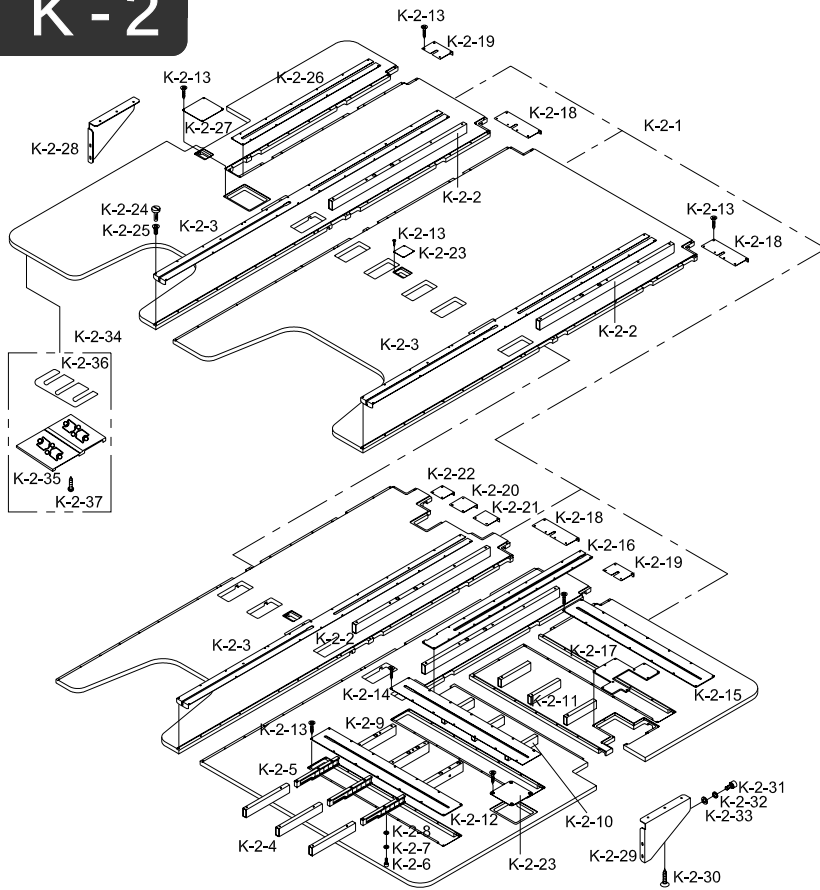
This exploded view diagram illustrates the assembly of the K-1 system. The components are labeled as follows:

- K-1-2**: Top horizontal rail.
- K-1-4**: Small vertical pin.
- K-1-8**: Small vertical pin.
- K-1-13**: Small vertical pin.
- K-1-14**: Small vertical pin.
- K-1-6**: Small vertical pin.
- K-1-12**: Small vertical pin.
- K-1-13**: Small vertical pin.
- K-1-1**: Small vertical pin.
- K-1-9**: Small vertical pin.
- K-1-10**: Small vertical pin.
- K-1-11**: Small vertical pin.
- K-1-21**: Small vertical pin.
- K-1-20**: Small vertical pin.
- K-1-3**: Small vertical pin.
- K-1-2**: Small vertical pin.
- K-1-4**: Small vertical pin.
- K-1-8**: Small vertical pin.
- K-1-7**: Small vertical pin.
- K-1-6**: Small vertical pin.
- K-1-5**: Small vertical pin.
- K-1-22**: Small vertical pin.
- K-1-23**: Small vertical pin.
- K-1-24**: Small vertical pin.
- K-1-25**: Small vertical pin.
- K-1-18**: Small vertical pin.
- K-1-17**: Small vertical pin.
- K-1-16**: Small vertical pin.
- K-1-29**: Small vertical pin.
- K-1-15**: Small vertical pin.
- K-1-25**: Small vertical pin.
- K-1-24**: Small vertical pin.
- K-1-23**: Small vertical pin.

[illegible]

K

K-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
K - 2 - 1	AS - 003096 - 00	Table Set	Jul,06,05 ~	x		1	
	AS - 003096 - 01		Oct,30,06 ~				
K - 2 - 2	010006001001	Table Support (B)[1150mm]				4	
K - 2 - 3	GP - 004240 - 00	Table Connecting Cover A L=2750.5	Aug,26,04 ~	X		5	
K - 2 - 4	GP - 006146 - 00	Table Support (D - 1)[313mm]	Dec,09,04 ~	X		3	
K - 2 - 5	16005SC - A031	Table Support Connecting Bar(A) (385)				3	
K - 2 - 6	16009SC - 4113	Hex.Socket Screw(M10*L25)			O	133	
K - 2 - 7	16014SW - 4115	Spring washer(@6)			O	2	
K - 2 - 8	08057SW - 1111	Washer(@6)			O	4	
K - 2 - 9	GP - 006147 - 00	Table Support (D - 2)[205mm]	Dec,09,04 ~	X		3	
	GP - 006147 - 01		Mar,28,06 ~				
	GP - 006147 - 02		Apr,24,06 ~				
K - 2 - 10	GP - 006148 - 00	Table Support (G)[301.5mm]	Dec,09,04 ~	X		3	
	GP - 006148 - 01		Mar,29,06 ~				
K - 2 - 11	GP - 010386 - 00	Table Support(L)[301.5mm]	Jul,01,05 ~	X		3	
	GP - 010386 - 01		Aug,23,06 ~				
K - 2 - 12	GP - 010907 - 00	X - LM Guide Cover A (L=1260)	Jul,29,05 ~	X		2	
K - 2 - 13	08101SC - 8329	Tapping Screw(M3*L16)			O	24	
K - 2 - 14	GP - 008810 - 00	X - LM Guide Cover B (L=1230.5)	Apr,26,05 ~	X		1	
K - 2 - 15	GP - 008811 - 00	X - LM Guide Cover C (L=1235.5)	Apr,26,05 ~	X		1	
K - 2 - 16	GP - 006140 - 00	Table Connecting Cover C L=1095.5	Dec,09,04 ~	X		1	
	GP - 006140 - 01		Feb,23,05 ~				
K - 2 - 17	GP - 006144 - 00	X - Motor Coupling Cover	Dec,09,04 ~	X		1	
K - 2 - 18	16035LA - A001	Coupling Cover B 550M				5	
K - 2 - 19	GP - 048841 - 00	Coupling Cover(B - 3)	Jun,18,10 ~			2	
K - 2 - 20	08001400ID00	Y - Motor Coupling Cover(B)				1	
K - 2 - 21	08001500ID00	Y - Motor Coupling Cover(C)				1	
K - 2 - 22	16037LA - A001	Coupling Cover C				1	
K - 2 - 23	08001210H000	Low Shaft Coupling Cover				5	
K - 2 - 24	18047SC - 7113	Hex.Socket Bolt (M5*L15)			O	4	
K - 2 - 25	SN - 000164 - 00	Table Insert Nut	Aug,17,07 ~	X		286	
	SN - 000164 - 01		Mar,06,08 ~				
K - 2 - 26	GP - 004241 - 00	Table Connecting Cover B L=1350.5	Aug,26,05 ~	X		1	
	GP - 004241 - 01		Feb,23,05 ~				
	GP - 004241 - 02		Jul,03,08 ~				

K-2

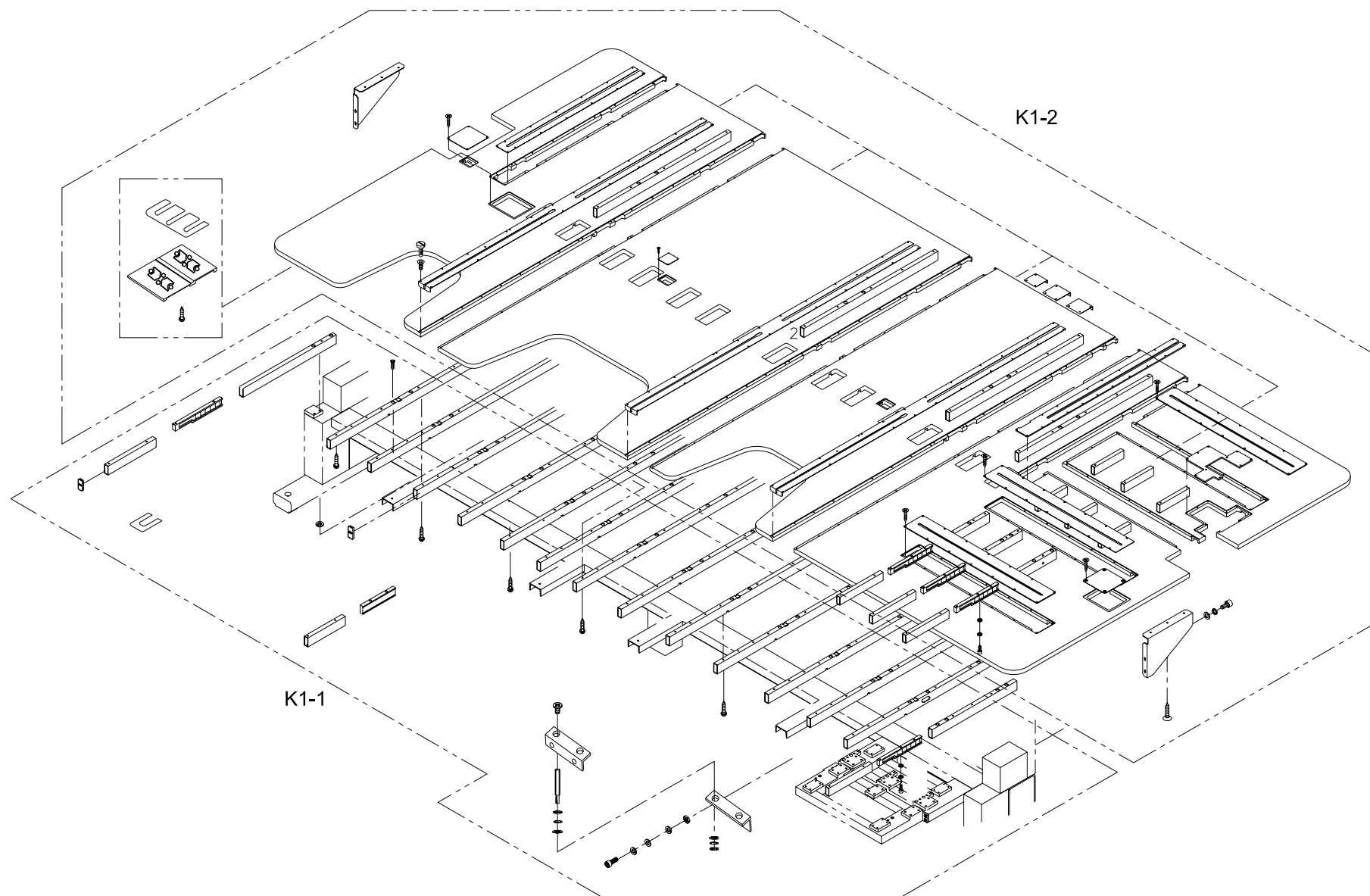
This exploded view diagram illustrates the assembly of the K-2 unit. The components are labeled as follows:

- K-2-1**: Main base plate.
- K-2-2**: Longitudinal support rails.
- K-2-3**: Transverse support rails.
- K-2-4**: Small rectangular components.
- K-2-5**: Small rectangular components.
- K-2-6**: Small rectangular components.
- K-2-7**: Small rectangular components.
- K-2-8**: Small rectangular components.
- K-2-9**: Small rectangular components.
- K-2-10**: Small rectangular components.
- K-2-11**: Small rectangular components.
- K-2-12**: Small rectangular components.
- K-2-13**: Small rectangular components.
- K-2-14**: Small rectangular components.
- K-2-15**: Small rectangular components.
- K-2-16**: Small rectangular components.
- K-2-17**: Small rectangular components.
- K-2-18**: Small rectangular components.
- K-2-19**: Small rectangular components.
- K-2-20**: Small rectangular components.
- K-2-21**: Small rectangular components.
- K-2-22**: Small rectangular components.
- K-2-23**: Small rectangular components.
- K-2-24**: Small rectangular components.
- K-2-25**: Small rectangular components.
- K-2-26**: Small rectangular components.
- K-2-27**: Small rectangular components.
- K-2-28**: Small rectangular components.
- K-2-29**: Small rectangular components.
- K-2-30**: Small rectangular components.
- K-2-31**: Small rectangular components.
- K-2-32**: Small rectangular components.
- K-2-33**: Small rectangular components.
- K-2-34**: Small rectangular components.
- K-2-35**: Small rectangular components.
- K-2-36**: Small rectangular components.
- K-2-37**: Small rectangular components.

Note

[illegible]

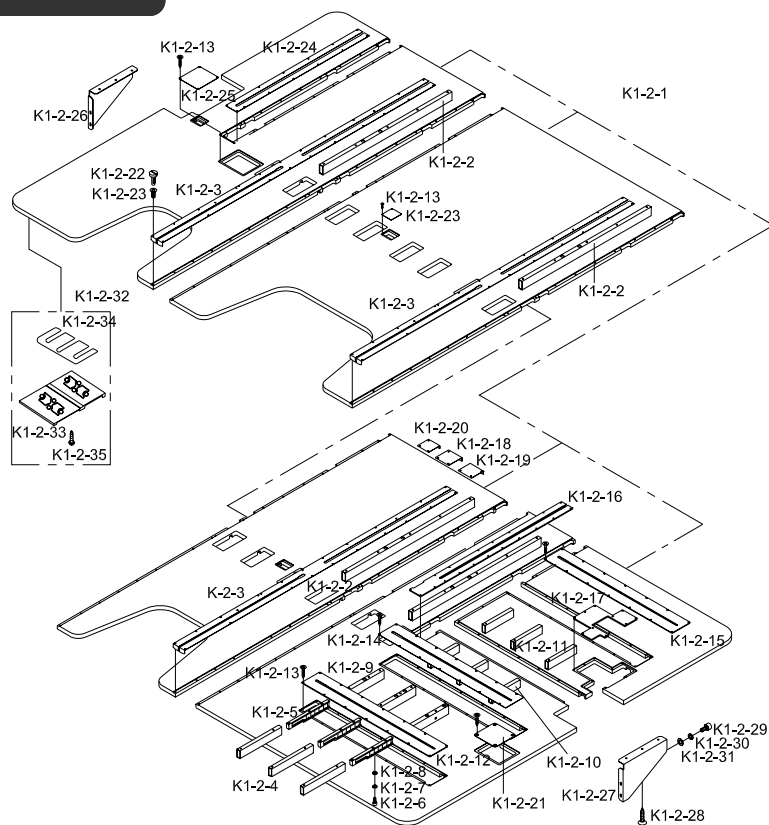
Work Table (TA-WL012-120)



[illegible][illegible]

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K1-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
K1-2-1	AS-018087-00	Table Set	Jul,06,05 ~	x		1	
K1-2-2	01006001001	Table Support (B)[1150mm]				4	
K1-2-3	GP-004240-00	Table Connecting Cover A L=2750.5	Aug,26,04 ~	X		5	
K1-2-4	GP-006146-00	Table Support (D-1)[313mm]	Dec,09,04 ~	X		3	
K1-2-5	16005SC-A031	Table Support Connecting Bar(A) (385)				3	
K1-2-6	16009SC-4113	Hex.Socket Screw(M10*L25)			O	133	
K1-2-7	16014SW-4115	Spring washer(@6)			O	2	
K1-2-8	08057SW-1111	Washer(@6)			O	4	
K1-2-9	GP-006147-00	Table Support (D-2)[205mm]	Dec,09,04 ~	X		3	
	GP-006147-01		Mar,28,06 ~				
	GP-006147-02		Apr,24,06 ~				
K1-2-10	GP-006148-00	Table Support (G)[301.5mm]	Dec,09,04 ~	X		3	
	GP-006148-01		Mar,29,06 ~				
K1-2-11	GP-010386-00	Table Support(L)[301.5mm]	Jul,01,05 ~	X		3	
	GP-010386-01		Aug,23,06 ~				
K1-2-12	GP-051698-00	X- LM Guide Cover A				2	
K1-2-13	08101SC-8329	Tapping Screw(M3*L16)			O	4	
K1-2-14	GP-051699-00	X- LM Guide Cover B		X		1	
K1-2-15	GP-051700-00	X- LM Guide Cover C		X		1	
K1-2-16	GP-050702-00	Table Connecting Cover C	Sep,02,10 ~	X		1	
	GP-050702-01		Dec,03,10 ~				
K1-2-17	GP-006144-00	X- Motor Coupling Cover	Dec,09,04 ~	X		1	
K1-2-18	GP-006540-00	Y- Motor Coupling Cover(B)				1	
K1-2-19	GP-006539-00	Y- Motor Coupling Cover(C)				1	
K1-2-20	GP-006538-00	Y- Motor Coupling Cover(A)				1	
K1-2-21	08001210H000	Low Shaft Coupling Cover				5	
K1-2-22	18047SC-7113	Hex.Socket Bolt (M5*L15)			O	4	
K1-2-23	SN-000164-00	Table Insert Nut	Aug,17,07 ~	X		286	
	SN-000164-01		Mar,06,08 ~				
K1-2-24	GP-050701-00	Table Connecting Cover B L=1350.5				1	
K1-2-27	08088PR-B001	Mes Driving Box Cover				1	
K1-2-28	010011001001	Table Support (Rear - L)				1	
K1-2-29	010012001001	Table Support (Rear - R)				1	
K1-2-30	16010SC-8330	Tapping Screw(M6*L25)			O	6	

K1

K1-2

This exploded view diagram illustrates the assembly of the K1-2 unit. The components are labeled with part numbers and arrows indicating their assembly sequence. The main assembly is shown in a perspective view, with a dashed line indicating the assembly path. The components are as follows:

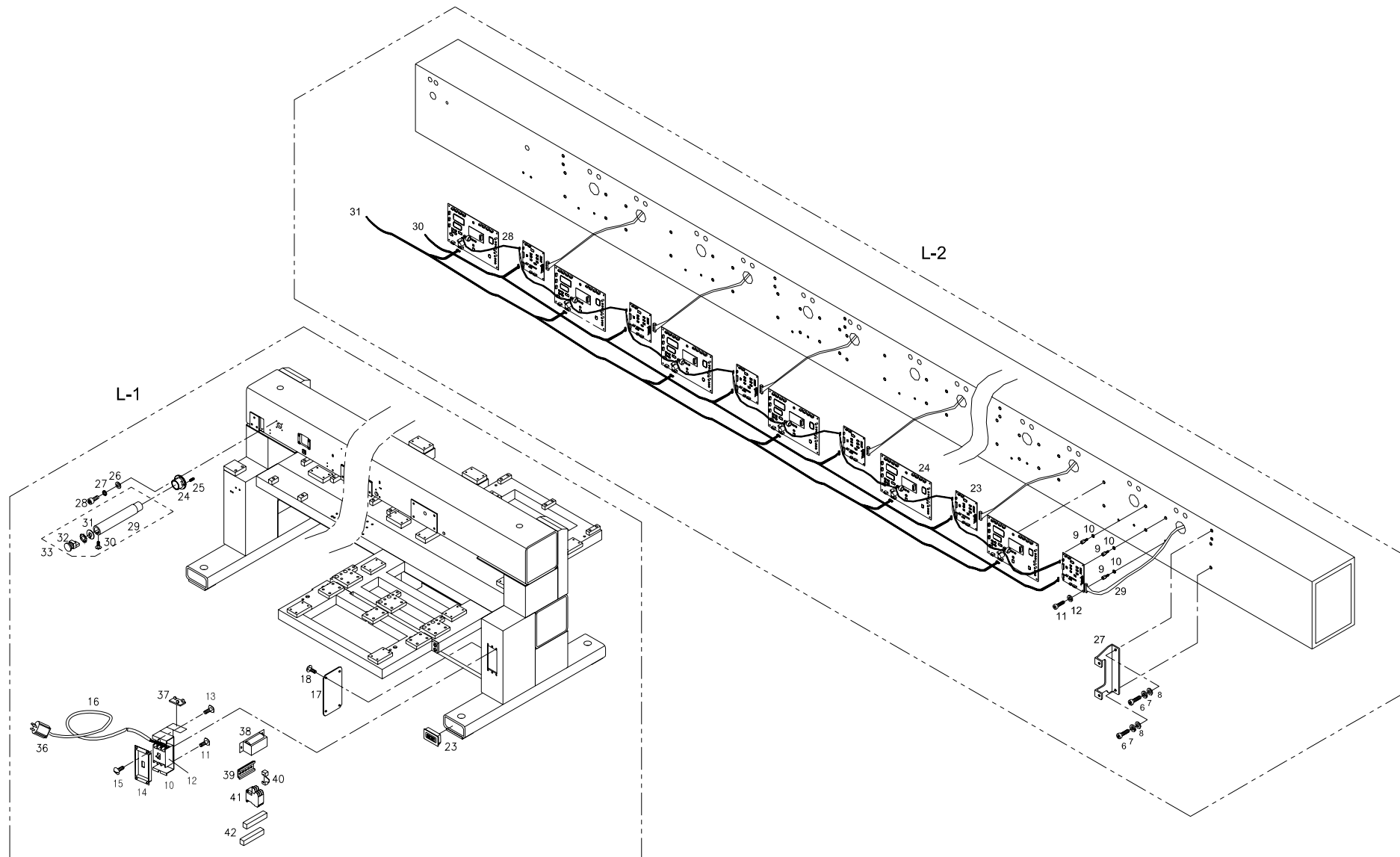
- K1-2-1: Main housing or base plate.
- K1-2-2: Longitudinal rail or guide.
- K1-2-3: Small rectangular component, likely a pin or spacer.
- K1-2-4: Small rectangular component, likely a pin or spacer.
- K1-2-5: Small rectangular component, likely a pin or spacer.
- K1-2-6: Small rectangular component, likely a pin or spacer.
- K1-2-7: Small rectangular component, likely a pin or spacer.
- K1-2-8: Small rectangular component, likely a pin or spacer.
- K1-2-9: Small rectangular component, likely a pin or spacer.
- K1-2-10: Small rectangular component, likely a pin or spacer.
- K1-2-11: Small rectangular component, likely a pin or spacer.
- K1-2-12: Small rectangular component, likely a pin or spacer.
- K1-2-13: Small rectangular component, likely a pin or spacer.
- K1-2-14: Small rectangular component, likely a pin or spacer.
- K1-2-15: Small rectangular component, likely a pin or spacer.
- K1-2-16: Small rectangular component, likely a pin or spacer.
- K1-2-17: Small rectangular component, likely a pin or spacer.
- K1-2-18: Small rectangular component, likely a pin or spacer.
- K1-2-19: Small rectangular component, likely a pin or spacer.
- K1-2-20: Small rectangular component, likely a pin or spacer.
- K1-2-21: Small rectangular component, likely a pin or spacer.
- K1-2-22: Small rectangular component, likely a pin or spacer.
- K1-2-23: Small rectangular component, likely a pin or spacer.
- K1-2-24: Small rectangular component, likely a pin or spacer.
- K1-2-25: Small rectangular component, likely a pin or spacer.
- K1-2-26: Small rectangular component, likely a pin or spacer.
- K1-2-27: Small rectangular component, likely a pin or spacer.
- K1-2-28: Small rectangular component, likely a pin or spacer.
- K1-2-29: Small rectangular component, likely a pin or spacer.
- K1-2-30: Small rectangular component, likely a pin or spacer.
- K1-2-31: Small rectangular component, likely a pin or spacer.
- K1-2-32: Small rectangular component, likely a pin or spacer.
- K1-2-33: Small rectangular component, likely a pin or spacer.
- K1-2-34: Small rectangular component, likely a pin or spacer.
- K1-2-35: Small rectangular component, likely a pin or spacer.

Note

[illegible]

K1

Cable



L-1

This exploded view diagram illustrates the assembly of the L-1 unit. The main structure is a large, L-shaped frame. Key components and their assembly points are labeled as follows:

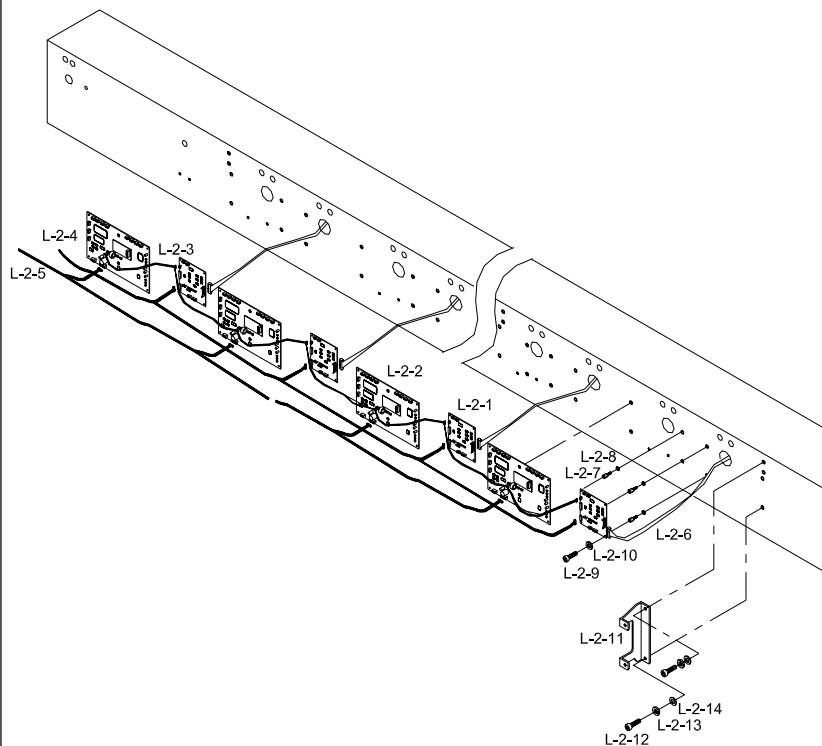
- L-1-1**: A central rectangular component, likely a control panel or display, which is the core of the assembly.
- L-1-2**, **L-1-3**, **L-1-4**, **L-1-5**, **L-1-6**, **L-1-9**, **L-1-10**, **L-1-11**, **L-1-12**, **L-1-13**, **L-1-14**, **L-1-15**, **L-1-16**, **L-1-17**, **L-1-18**, **L-1-19**, **L-1-20**, **L-1-21**, **L-1-22**, **L-1-23**, **L-1-24**: Various screws, bolts, and fasteners used to secure the components.
- L-1-7**: A cable or hose connected to the main unit.
- L-1-8**: A small rectangular component, possibly a sensor or connector, attached to the cable.

The diagram shows the relative positions of these parts, with dashed lines indicating the assembly path and alignment. The components are arranged in a way that shows how they fit together to form the complete L-1 assembly.

Note



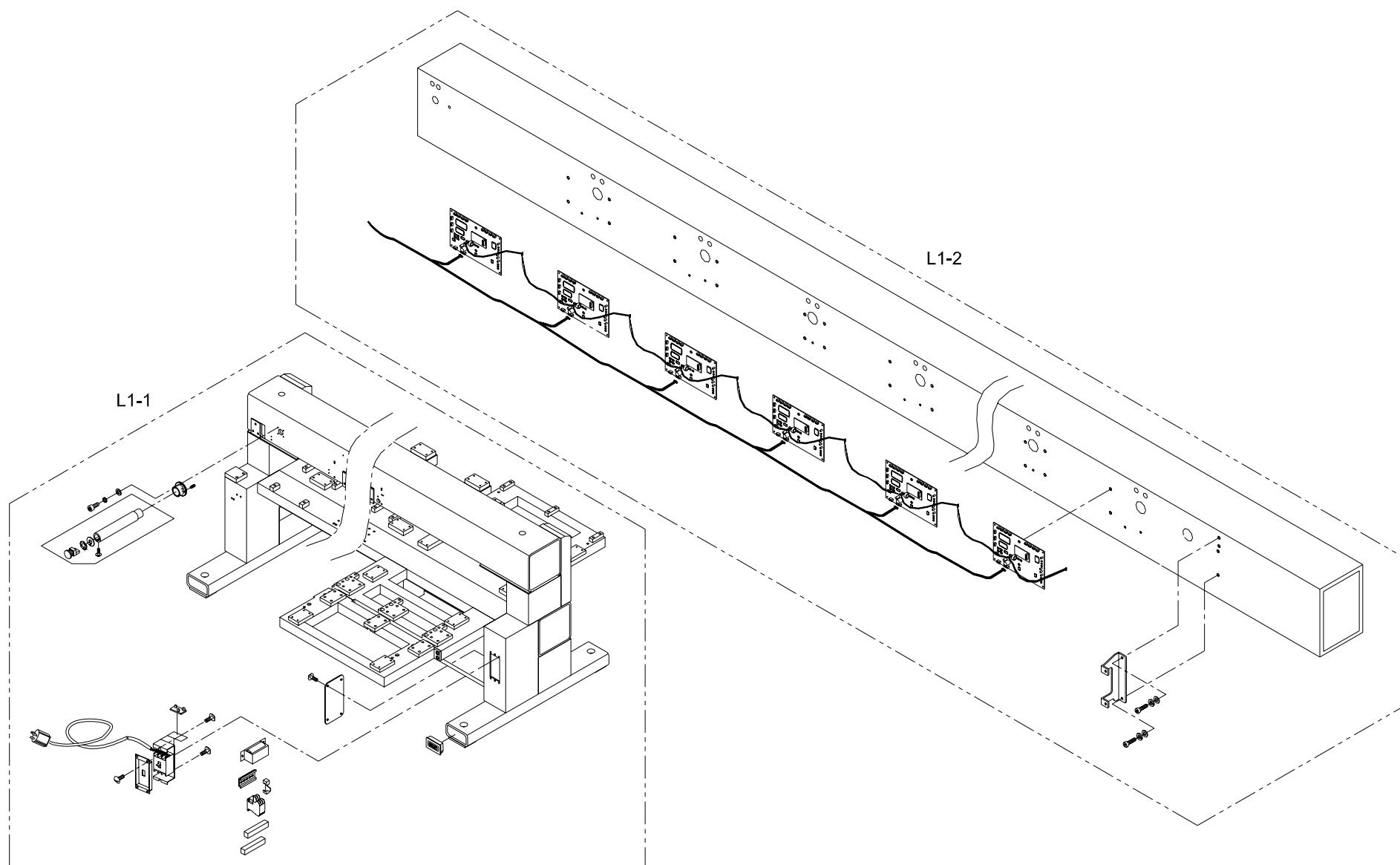
L-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
L - 2 - 1	BD - 000232 - 00	Sub - Control Board	Aug,16,05 ~	x		20	
	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 - 2 - 2	BD - 000231 - 00	Sub - Control Board(Coiling)	Aug,16,05 ~	x		10	
	BD - 000231 - 01		Sep,26,05 ~				
	BD - 000231 - 02		Nov,03,05 ~				
	BD - 000231 - 03		Jan,10,06 ~				
	BD - 000231 - 04		Feb,01,06 ~				
	BD - 000231 - 05		Mar,03,06 ~				
L - 2 - 3	CA - 000476 - 00	CNN	Aug,22,05 ~	x		1	
	CA - 000476 - 01		Oct,04,05 ~				
L - 2 - 4	CA - 000475 - 00	Thread Board Power	Aug,22,05 ~	x		1	
	CA - 000475 - 01		Oct,04,05 ~				
L - 2 - 5	CA - 000477 - 00	Control Board Power	Aug,22,05 ~	x		1	
	CA - 000477 - 01		Oct,04,05 ~				
L - 2 - 6	02100900HDK0	Upper Thread Signal From T/B				1	
L - 2 - 7	11049SC - A001	Board Stud Bolt				84	
L - 2 - 8	18048SW - 3115	Spring Washer (@5)			O	84	
L - 2 - 9	18154SC - 9134	PLUS SCREW (M3*L8)			O	84	
L - 2 - 10	11019SW - 9115	Spring Washer (3@)			O	84	
L - 2 - 11	02000400B000	Cable Cover Holder				8	
L - 2 - 12	08076SC - 7113	Hex. Socket Bolt (M5*L12)			O	16	
L - 2 - 13	16018SW - 1111	Washer (@5)			O	16	
L - 2 - 14	18048SW - 3115	Spring Washer (@5)			O	16	

Cable (TA-WL012-120)



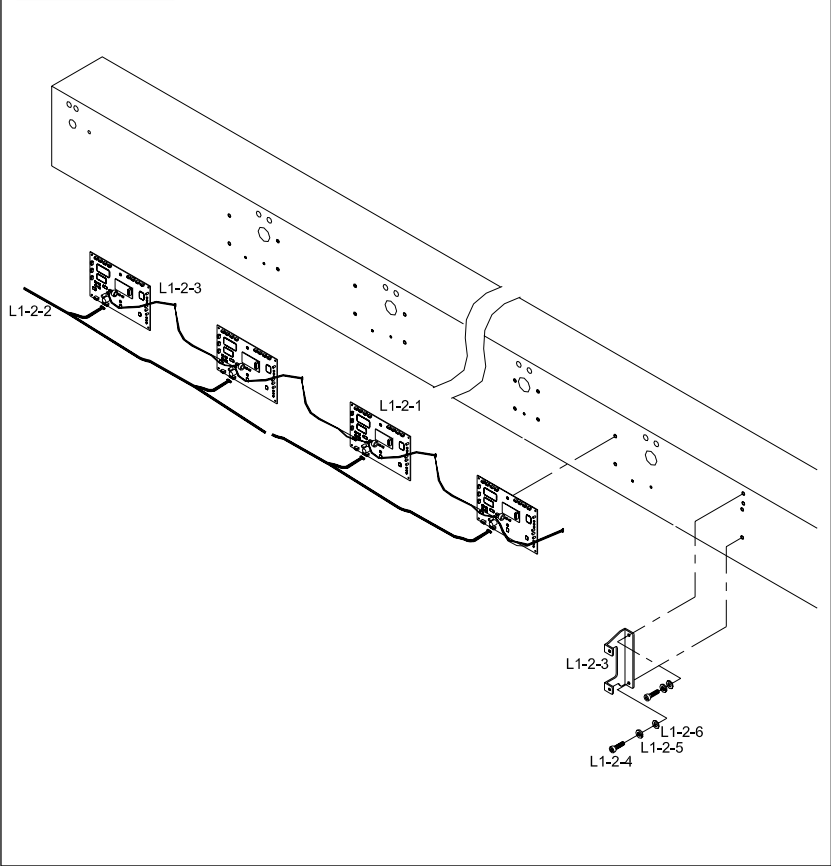
This exploded view diagram illustrates the assembly of the L1-1000 system. The main assembly consists of a vertical frame and a horizontal base. Key components and their callouts include:

- Top Frame Assembly:** L1-1-1 (screw), L1-1-2 (screw), L1-1-3 (screw), L1-1-4 (screw), L1-1-5 (screw), L1-1-6 (screw), L1-1-7 (cable), L1-1-8 (cable), L1-1-9 (screw), L1-1-10 (screw), L1-1-11 (screw), L1-1-12 (screw), L1-1-13 (screw), L1-1-14 (screw), L1-1-15 (screw), L1-1-16 (screw), L1-1-17 (screw), L1-1-18 (screw), L1-1-19 (screw), L1-1-20 (screw), L1-1-21 (screw), L1-1-22 (screw), L1-1-23 (screw), L1-1-24 (screw).
- Base Assembly:** L1-1-1 (screw), L1-1-2 (screw), L1-1-3 (screw), L1-1-4 (screw), L1-1-5 (screw), L1-1-6 (screw), L1-1-7 (cable), L1-1-8 (cable), L1-1-9 (screw), L1-1-10 (screw), L1-1-11 (screw), L1-1-12 (screw), L1-1-13 (screw), L1-1-14 (screw), L1-1-15 (screw), L1-1-16 (screw), L1-1-17 (screw), L1-1-18 (screw), L1-1-19 (screw), L1-1-20 (screw), L1-1-21 (screw), L1-1-22 (screw), L1-1-23 (screw), L1-1-24 (screw).

Dashed lines indicate the assembly path for each component, showing how they fit together to form the complete L1-1000 system.

L1

L1 - 2

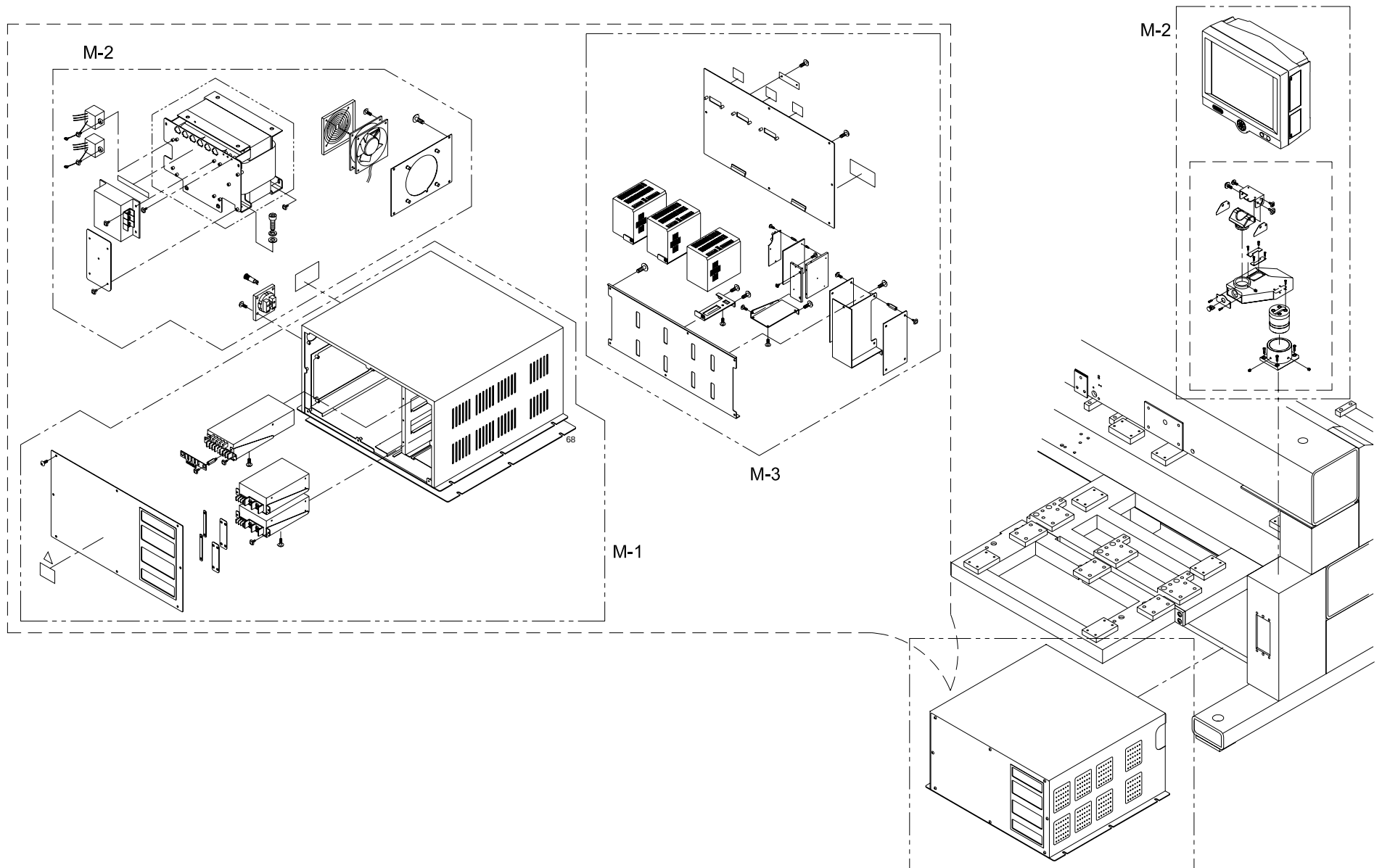


Note

[illegible]

L1

Con Box & OP Box



M-1

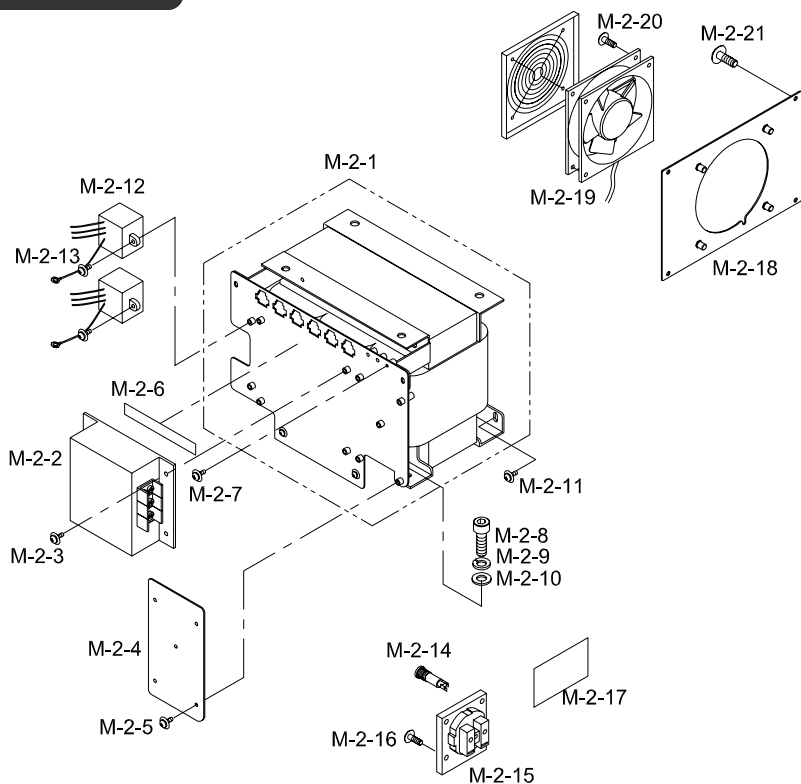
Diagram illustrating the components and assembly points for the M-1 server chassis:

- M-1-1**: Main chassis unit.
- M-1-2**: Front panel.
- M-1-3**: Bottom panel.
- M-1-4**: Power supply unit.
- M-1-5**: Fan assembly.
- M-1-6**: Fan controller.
- M-1-7**: Fan bracket.
- M-1-8**: Fan mounting screw.
- M-1-9**: Fan mounting screw.
- M-1-10**: Fan mounting screw.
- M-1-11**: Fan mounting screw.
- M-1-12**: Fan mounting screw.
- M-1-13**: Fan mounting screw.
- M-1-14**: Fan mounting screw.
- M-1-15**: Fan mounting screw.
- M-1-16**: Fan mounting screw.
- M-1-17**: Fan mounting screw.
- M-1-18**: Fan mounting screw.
- M-1-19**: Fan mounting screw.
- M-1-20**: Fan mounting screw.

Note



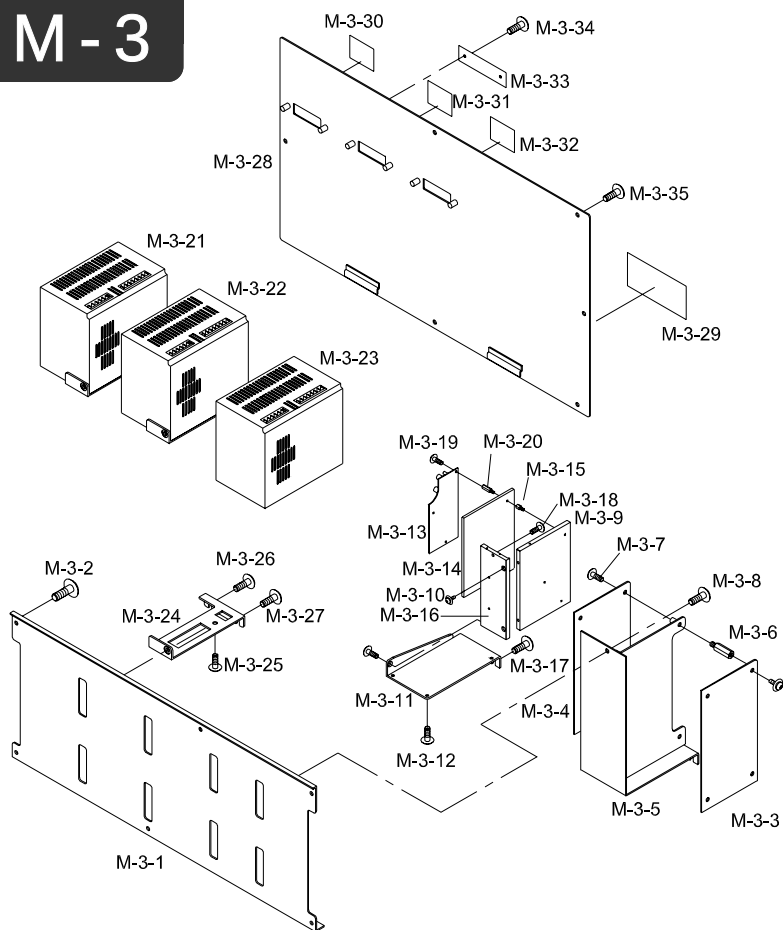
M - 2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M - 2 - 1	AS - 003157 - 00	Transformer ASS'Y (set)	Jul,19,05 ~	X		1	
	AS - 003157 - 01		Nov,19,05 ~				
	EP - 000046 - 00	Transformer	Aug,16,05 ~	X		1	
	EP - 000046 - 01		Feb,06,06 ~				
	GP - 009448 - 00	Fixing Bracket For Core (A)	Feb,06,06 ~	X		1	
	GP - 009448 - 01		May,13,05 ~				
	GP - 009450 - 00	Fixing Bracket For Core (B)	May,13,05 ~	X		1	
	GP - 009449 - 00	Fixing Bracket For Core (C)	May,13,05 ~	X		1	
	GP - 009449 - 01		Sep,30,05 ~				
	GP - 009449 - 02		Mar,02,06 ~				
	GP - 010165 - 00	Fixing Bracket For Core (D)	Jun,20,05 ~	X		1	
	GP - 009451 - 00	Fixing Bracket For Connect Plate	May,13,05 ~	X		1	
	GP - 009452 - 00	Connect Plate	May,13,05 ~	X		1	
	GP - 009452 - 01		Sep,30,05 ~				
	07 - 004S - SM5S	Fixing Screw For Connect Plate (set) (M4×L10)			O	4	
M - 2 - 2	EP - 000047 - 00	Noise Filter	Aug,16,05 ~	X		1	
M - 2 - 3	07 - 004S - SM5S	Fixing Screw Noise Filter (set) (M4×L10)			O	4	
M - 2 - 4	BD - 000242 - 00	Connect Board	Aug,17,05 ~	X		1	
	BD - 000242 - 01		Sep,23,05 ~				
M - 2 - 5	07 - 004S - SM5S	Fixing Screw For Connect Board (set) (M4×L10)			O	5	
M - 2 - 6	GP - 009829 - 00	Input Voltage Sticker	May,27,05 ~	X		1	
M - 2 - 7	07 - 004S - SM5S	Ground Screw For Connect Plate (set) (M4×L10)			O	3	
M - 2 - 8	10 - 016M - SW66	Fixing Screw For Transformer A (M6×L12)			O	2	
M - 2 - 9	10 - 003S - SW66	Spring Washer (Ø6)			O	2	
M - 2 - 10	10 - 004S - SW66	Washer (Ø6)			O	2	
M - 2 - 11	SC - 000393 - 00	Fixing Screw For Transformer B (set) (M6×L12)	Jul,19,05 ~	X	O	2	
M - 2 - 12	BD - 000168 - 00	Surge protector	Feb,20,05 ~	X		2	
	BD - 000168 - 01		Apr,19,05 ~				
	BD - 000168 - 02		Jun,05,08 ~				
M - 2 - 13	07 - 004S - SM5S	Fixing Screw For Surge protector (set) (M4×L10)			O	2	
M - 2 - 14	EP - 000049 - 00	Fuse Holder	Aug,16,05 ~	X		1	
M - 2 - 15	EP - 000050 - 00	External Concent	Aug,16,05 ~	X		1	
	EP - 000050 - 01`		Jun,21,07 ~				
M - 2 - 16	10 - 0725S - SW70	Fixing Screw For External Concent (M3×L12)			O	4	
M - 2 - 17	01 - 004S - BT01	Fan claning Sticker				1	
M - 2 - 18	GP - 009431 - 00	Side Cover	May,13,05 ~`	X		1	
	GP - 009431 - 01		Sep,30,05 ~				
M - 2 - 19	EP - 000048 - 00	Fan	Aug,16,05 ~	X		1	
M - 2 - 20	01 - 002M - AU12	Fixing Screw For Fan (M4×L35)			O	4	
M - 2 - 21	10 - 003M - PT01	Fixing Screw For Side Cover (Truss) (M4×L8)			O	4	

M - 3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M - 3 - 1	GP - 009445 - 00	Driver Fixing Plate	May,13,05 ~	X		1	
	GP - 009445 - 01		Sep,30,05 ~				
	GP - 009445 - 02		Apr,03,08 ~				
M - 3 - 2	07 - 004S - SM5S	Fixing Screw For Driver Fixing Plate (set) (M4×L10)			O	6	
M - 3 - 3	BD - 000245 - 00	Joint Board (A)	Aug,17,05 ~	X		1	
	BD - 000245 - 01		Sep,24,05 ~				
	BD - 000245 - 02		Oct,10,05 ~				
	BD - 000245 - 03		Oct,25,05 ~				
	BD - 000245 - 04		Oct,19,06 ~				
M - 3 - 4	BD - 000245 - 00	Joint Board (B)	Aug,17,05 ~	X		1	
	BD - 000245 - 01		Sep,24,05 ~				
	BD - 000245 - 02		Oct,10,05 ~				
	BD - 000245 - 03		Oct,25,05 ~				
	BD - 000245 - 04		Oct,19,06 ~				
M - 3 - 5	GP - 009442 - 00	Fixing Bracket For Joint Board	May,13,05 ~	X		1	
	GP - 009442 - 01		Sep,30,05 ~				
	GP - 009442 - 02		Apr,03,08 ~				
M - 3 - 6	10 - 012M - PT10	Stud For Joint Board (3-5-15)			O	4	
M - 3 - 7	10 - 021M - SW66	Fixing Screw For Joint Board (set) (M3×L6)			O	8	
M - 3 - 8	07 - 004S - SM5S	Fixing Screw For J/B Fixing Bracket (set) (M4×L10)			O	3	
M - 3 - 9	GP - 009443 - 00	Radiator For Trimming Driver (B)	May,13,05 ~	X		1	
	GP - 009443 - 01		Sep,30,05 ~				
M - 3 - 10	06 - 001C - SE50	Fixing Screw For Trimming Driver Radiator (A) (M4×L8)			O	2	
M - 3 - 11	GP - 009433 - 00	Fixing Bracket For Trimming Driver	May,13,05 ~			1	
M - 3 - 12	10 - 004M - SW68	Fixing Screw For Trimming Driver Radiator (B) (M3×L5)			O	4	
M - 3 - 13	BD - 000244 - 00	Trimming Driver (A)	Aug,17,05 ~	X		1	
	BD - 000244 - 01		Oct,25,05 ~				
	BD - 000244 - 02		Apr,06,06 ~				
	BD - 000244 - 03		Sep,28,07 ~				
	BD - 000244 - 04		Dec,03,07 ~				
	BD - 000244 - 05		Jul,18,08 ~				
M - 3 - 14	BD - 000244 - 00	Trimming Driver (B)	Aug,17,05 ~	X		1	
	BD - 000244 - 01		Oct,25,05 ~				
	BD - 000244 - 02		Apr,06,06 ~				
	BD - 000244 - 03		Sep,28,07 ~				
	BD - 000244 - 04		Dec,03,07 ~				
	BD - 000244 - 05		Jul,18,08 ~				

M-3

This exploded view diagram illustrates the assembly of the M-3 medical equipment. The components are labeled as follows:

- M-3-1**: Main front panel with multiple vertical slots.
- M-3-2**: Small circular component, likely a screw or cap.
- M-3-3**: Small rectangular panel.
- M-3-4**: Small rectangular panel.
- M-3-5**: Small rectangular panel.
- M-3-6**: Small rectangular panel.
- M-3-7**: Small rectangular panel.
- M-3-8**: Small rectangular panel.
- M-3-9**: Small rectangular panel.
- M-3-10**: Small rectangular panel.
- M-3-11**: Small rectangular panel.
- M-3-12**: Small rectangular panel.
- M-3-13**: Small rectangular panel.
- M-3-14**: Small rectangular panel.
- M-3-15**: Small rectangular panel.
- M-3-16**: Small rectangular panel.
- M-3-17**: Small rectangular panel.
- M-3-18**: Small rectangular panel.
- M-3-19**: Small rectangular panel.
- M-3-20**: Small rectangular panel.
- M-3-21**: Small rectangular panel.
- M-3-22**: Small rectangular panel.
- M-3-23**: Small rectangular panel.
- M-3-24**: Small rectangular panel.
- M-3-25**: Small rectangular panel.
- M-3-26**: Small rectangular panel.
- M-3-27**: Small rectangular panel.
- M-3-28**: Small rectangular panel.
- M-3-29**: Small rectangular panel.
- M-3-30**: Small rectangular panel.
- M-3-31**: Small rectangular panel.
- M-3-32**: Small rectangular panel.
- M-3-33**: Small rectangular panel.
- M-3-34**: Small rectangular panel.
- M-3-35**: Small rectangular panel.

Note	
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[illegible]

M - 4

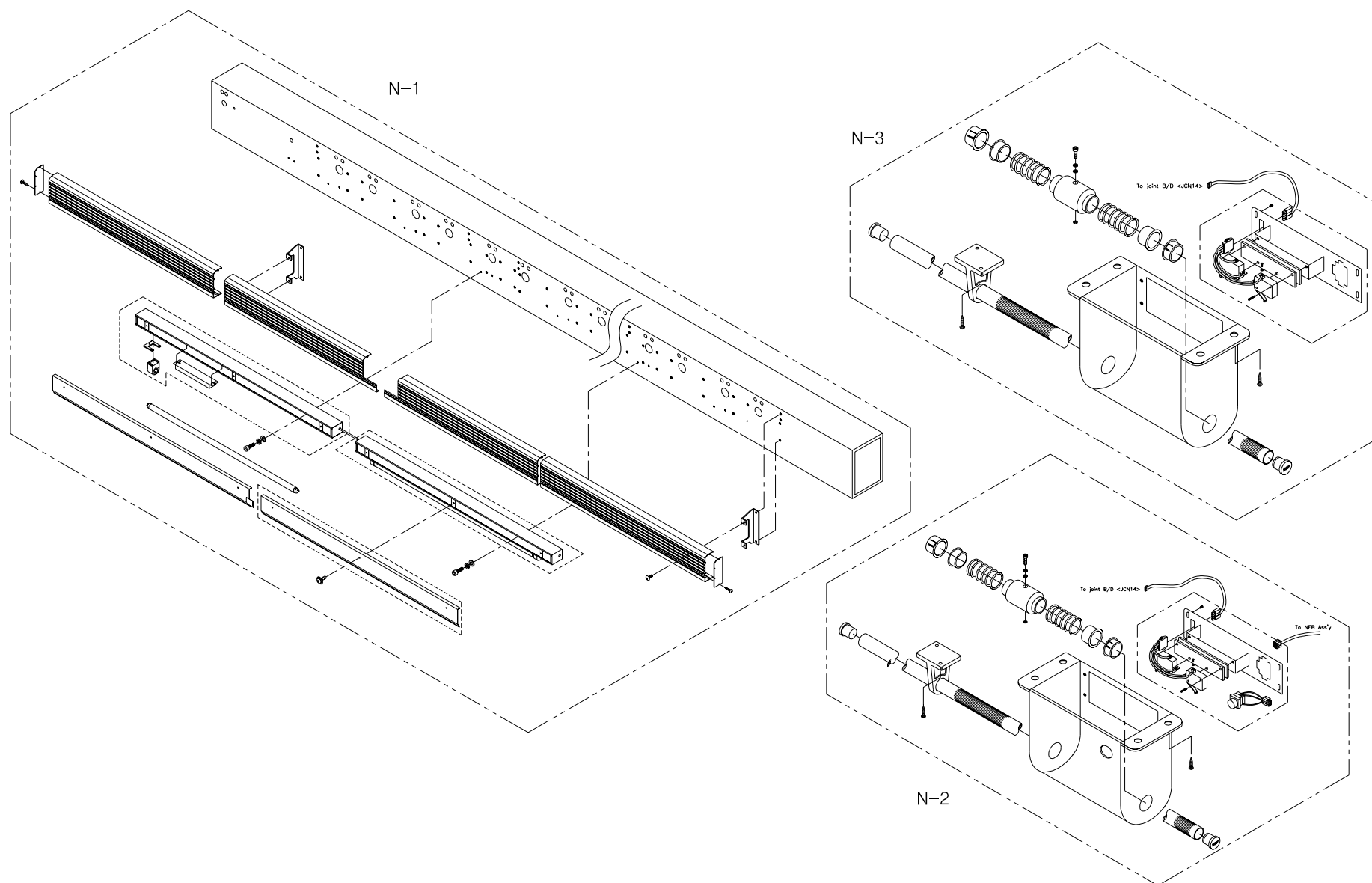
The diagram illustrates the assembly of the M-4 unit. It includes a perspective view of the assembled unit at the top right, labeled M-4-1. Below it, a detailed exploded view shows the internal components and their assembly sequence, labeled M-4-2. The components are numbered as follows:

- M-4-1: The assembled unit.
- M-4-2: The exploded view showing the following components and their assembly sequence:
 - M-4-3: A bracket or frame component.
 - M-4-4: A small bracket or clip.
 - M-4-5: A screw or fastener.
 - M-4-6: A small bracket or clip.
 - M-4-7: A small bracket or clip.
 - M-4-8: A small bracket or clip.
 - M-4-9: A small bracket or clip.
 - M-4-10: A small bracket or clip.
 - M-4-11: A small bracket or clip.
 - M-4-12: A small bracket or clip.
 - M-4-13: A small bracket or clip.
 - M-4-14: A small bracket or clip.
 - M-4-15: A small bracket or clip.
 - M-4-16: A small bracket or clip.
 - M-4-17: A small bracket or clip.
 - M-4-18: A small bracket or clip.
 - M-4-19: A small bracket or clip.
 - M-4-20: A small bracket or clip.

Note

[illegible]

Lamp & Switch



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

- N-1-1: The main horizontal assembly bar.
- N-1-2: A long, thin rectangular component that fits into the main bar.
- N-1-3: A small rectangular component that fits into the main bar.
- N-1-4: A long, thin rectangular component that fits into the main bar.
- N-1-5: A small rectangular component that fits into the main bar.
- N-1-6: A small rectangular component that fits into the main bar.
- N-1-7: A small rectangular component that fits into the main bar.
- N-1-8: A small rectangular component that fits into the main bar.
- N-1-9: A small rectangular component that fits into the main bar.
- N-1-10: A small rectangular component that fits into the main bar.
- N-1-11: A small rectangular component that fits into the main bar.
- N-1-12: A small rectangular component that fits into the main bar.
- N-1-13: A small rectangular component that fits into the main bar.
- N-1-14: A small rectangular component that fits into the main bar.
- N-1-15: A small rectangular component that fits into the main bar.
- N-1-16: A small rectangular component that fits into the main bar.
- N-1-17: A small rectangular component that fits into the main bar.
- N-1-18: A small rectangular component that fits into the main bar.

Note

[illegible]

This diagram illustrates the exploded view of the N-2 assembly. The main component, N-2-1, is a large metal housing. Various sub-components are shown in their relative positions for assembly:

- Top Assembly:** Includes N-2-6 (nut), N-2-5 (washer), N-2-4 (spring), N-2-3 (nut), N-2-10 (washer), N-2-4 (spring), N-2-5 (washer), and N-2-6 (nut).
- Left Assembly:** Includes N-2-12 (nut), N-2-13 (washer), N-2-14 (nut), and N-2-11 (rod).
- Right Assembly:** Includes N-2-19 (nut), N-2-26 (washer), N-2-21 (plate), N-2-17 (nut), N-2-18 (washer), N-2-16 (nut), N-2-15 (washer), N-2-20 (plate), N-2-22 (nut), and N-2-23 (washer).
- Bottom Assembly:** Includes N-2-2 (nut) and N-2-12 (nut).
- Wiring:** Includes N-2-25 (wire), N-2-24 (wire), and N-2-23 (wire).

The diagram also shows the assembly sequence for the N-2-1 component, with arrows indicating the direction of assembly.

Note

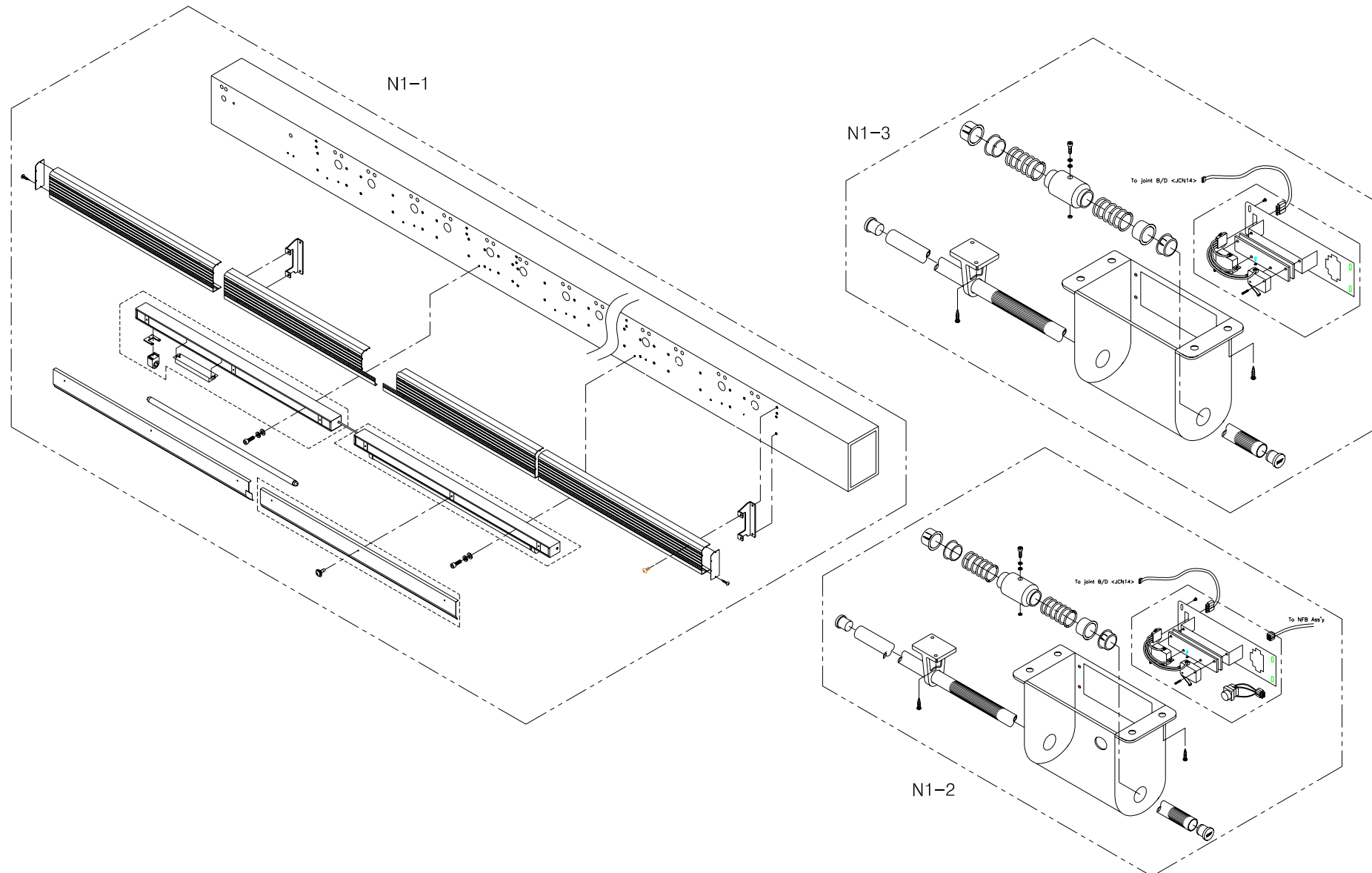


N-3

The diagram illustrates the assembly of the N-3 component. The main assembly sequence is shown in the center, starting with the N-3-1 bracket. Components are added in the following order: N-3-2 (screw), N-3-12 (cylinder), N-3-14 (nut), N-3-11 (rod), N-3-13 (plate), N-3-4 (spring), N-3-3 (cylinder), N-3-10 (nut), N-3-5 (spring), N-3-6 (cylinder), and N-3-7 (screw). A dashed box on the right shows a sub-assembly of N-3-15, N-3-16, N-3-17, N-3-18, N-3-19, N-3-20, N-3-21, N-3-22, and N-3-23. A note 'To joint B/D <JCN14>' points to the N-3-19 component.

Note

Lamp & Switch (TA-WL012-120)



N1

N1-3

The diagram illustrates the assembly of the N1-3 component. The main assembly is shown in a perspective view, with various parts labeled with part numbers. A dashed box highlights a sub-assembly of components N1-3-15 through N1-3-21. A cable labeled N1-3-22 is shown connected to the main assembly. A note indicates a connection to joint B/D <JCN14>.

Components shown in the exploded view include:

- N1-3-1: Main housing or base.
- N1-3-2: Small cylindrical component.
- N1-3-3: Spring.
- N1-3-4: Washer or spacer.
- N1-3-5: Spring.
- N1-3-6: Washer or spacer.
- N1-3-7: Bolt.
- N1-3-8: Nut.
- N1-3-9: Washer or spacer.
- N1-3-10: Spring.
- N1-3-11: Long cylindrical component.
- N1-3-12: Small cylindrical component.
- N1-3-13: Bracket or support.
- N1-3-14: Small cylindrical component.
- N1-3-15: Small rectangular component.
- N1-3-16: Small rectangular component.
- N1-3-17: Small rectangular component.
- N1-3-18: Small rectangular component.
- N1-3-19: Small rectangular component.
- N1-3-20: Small rectangular component.
- N1-3-21: Small rectangular component.
- N1-3-22: Cable.

Assembly instructions:

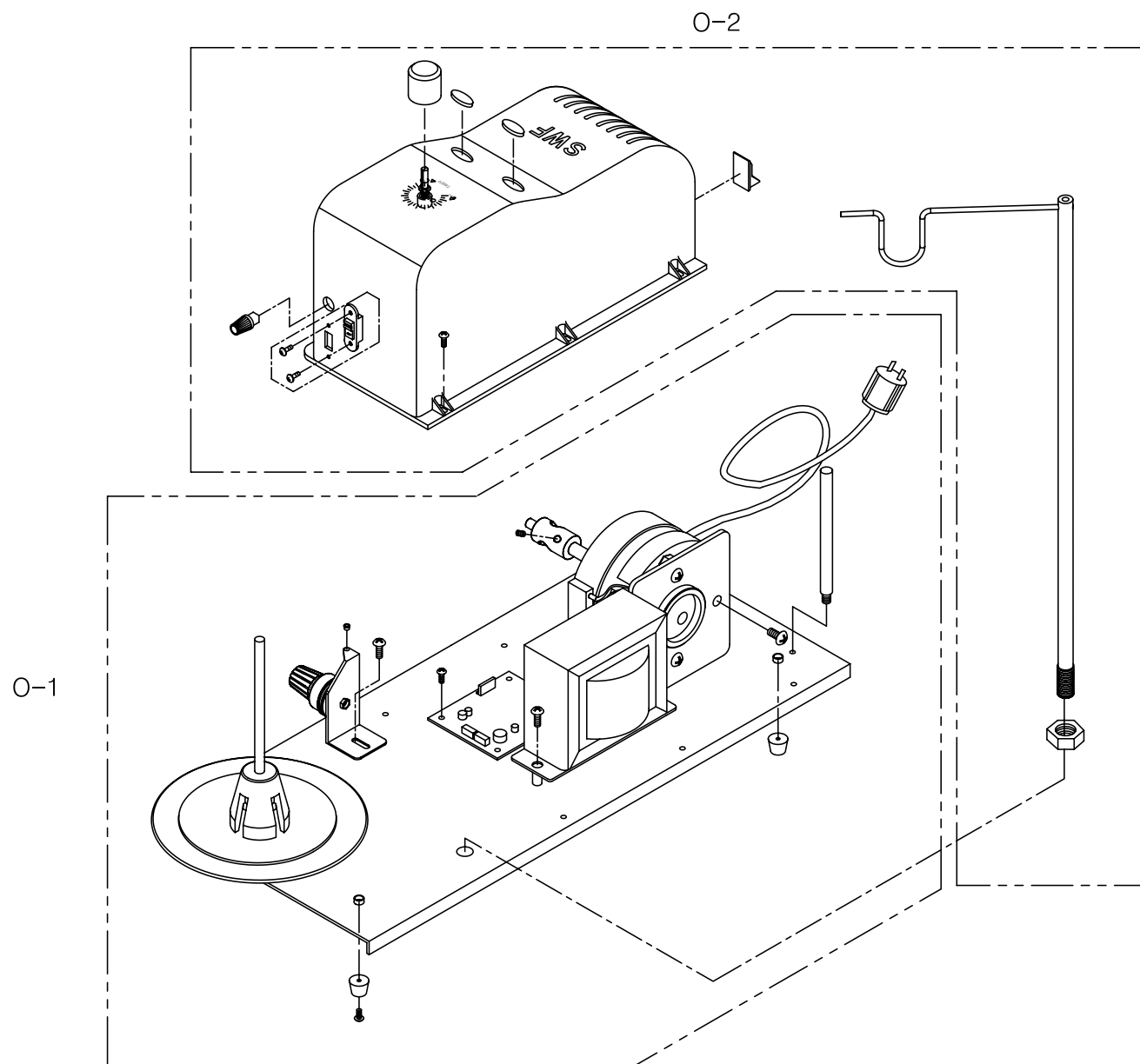
1. Assemble N1-3-11, N1-3-12, N1-3-13, N1-3-14, N1-3-15, N1-3-16, N1-3-17, N1-3-18, N1-3-19, N1-3-20, and N1-3-21 onto N1-3-1.
2. Assemble N1-3-22 onto N1-3-19.
3. Assemble N1-3-2 onto N1-3-1.
4. Assemble N1-3-3, N1-3-4, N1-3-5, N1-3-6, N1-3-7, N1-3-8, and N1-3-9 onto N1-3-11.
5. Assemble N1-3-10 onto N1-3-11.
6. Assemble N1-3-1 onto N1-3-11.

To joint B/D <JCN14>

Note

N1

Bobbin Winder



[illegible][illegible]

O-2

This exploded view diagram illustrates the assembly of the O-2 device. The main component is a rectangular unit with a curved top and a base. Key features include a top panel with a wavy pattern and the text "SWF", a front panel with a circular dial, and a base with a slot for a long rod. The assembly includes the following parts:

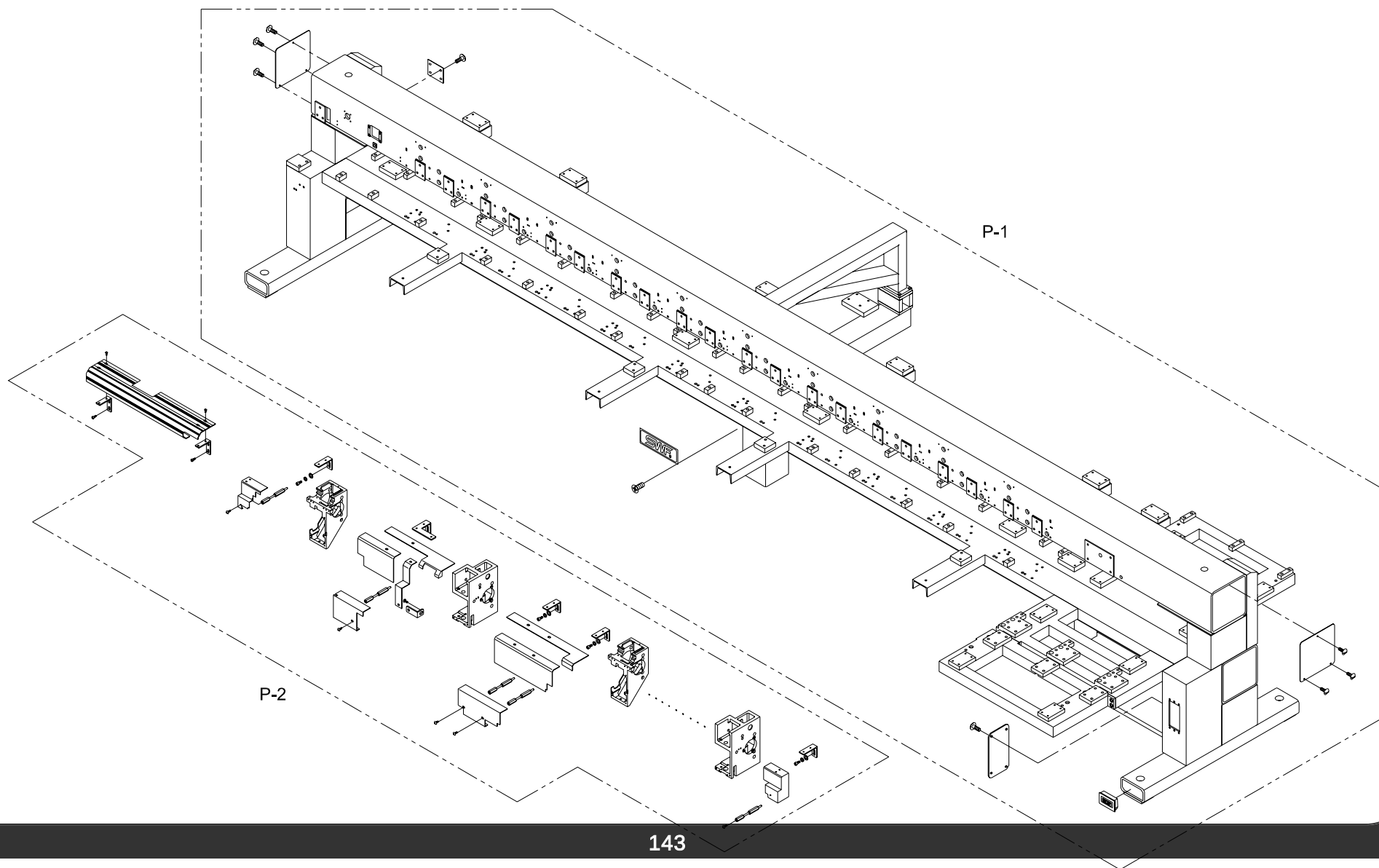
- O-2-1**: A long vertical rod with a hexagonal base and a threaded section.
- O-2-2**: A screw for the base.
- O-2-3**: A small rectangular plate.
- O-2-4**: A small cylindrical component.
- O-2-5**: A small rectangular component.
- O-2-6**: A small cylindrical component.
- O-2-7**: A small cylindrical component.
- O-2-8**: A small rectangular component.
- O-2-9**: A small rectangular component.
- O-2-10**: A U-shaped bracket.
- O-2-11**: A small rectangular component.

The diagram shows the relative positions of these components, with dashed lines indicating the assembly path. The main unit has a top panel with a wavy pattern and the text "SWF". The front panel features a circular dial with a needle and a scale. The base has a slot for the long rod (O-2-1) and a screw (O-2-2).

Note



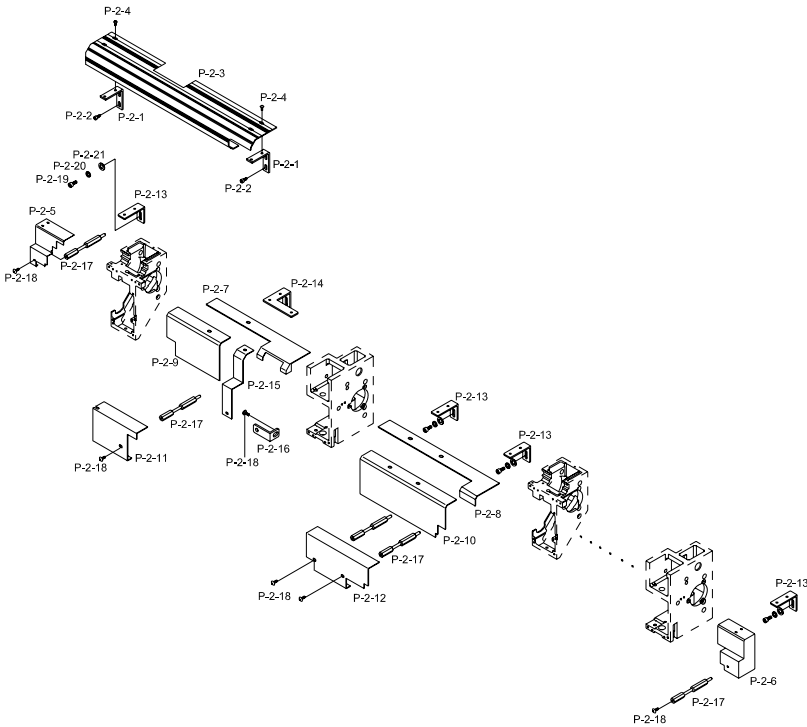
Cover



Note

[illegible]

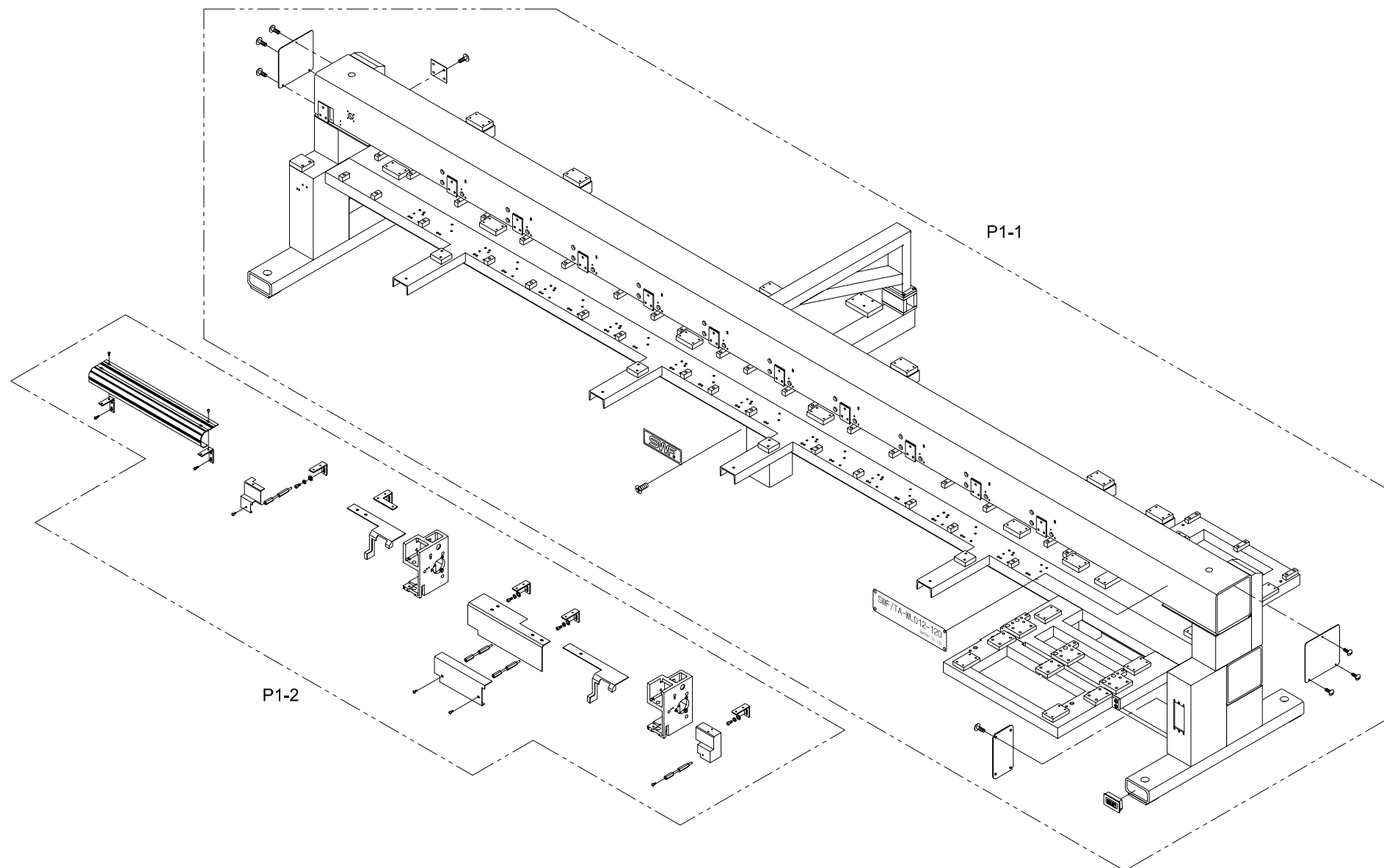
P - 2



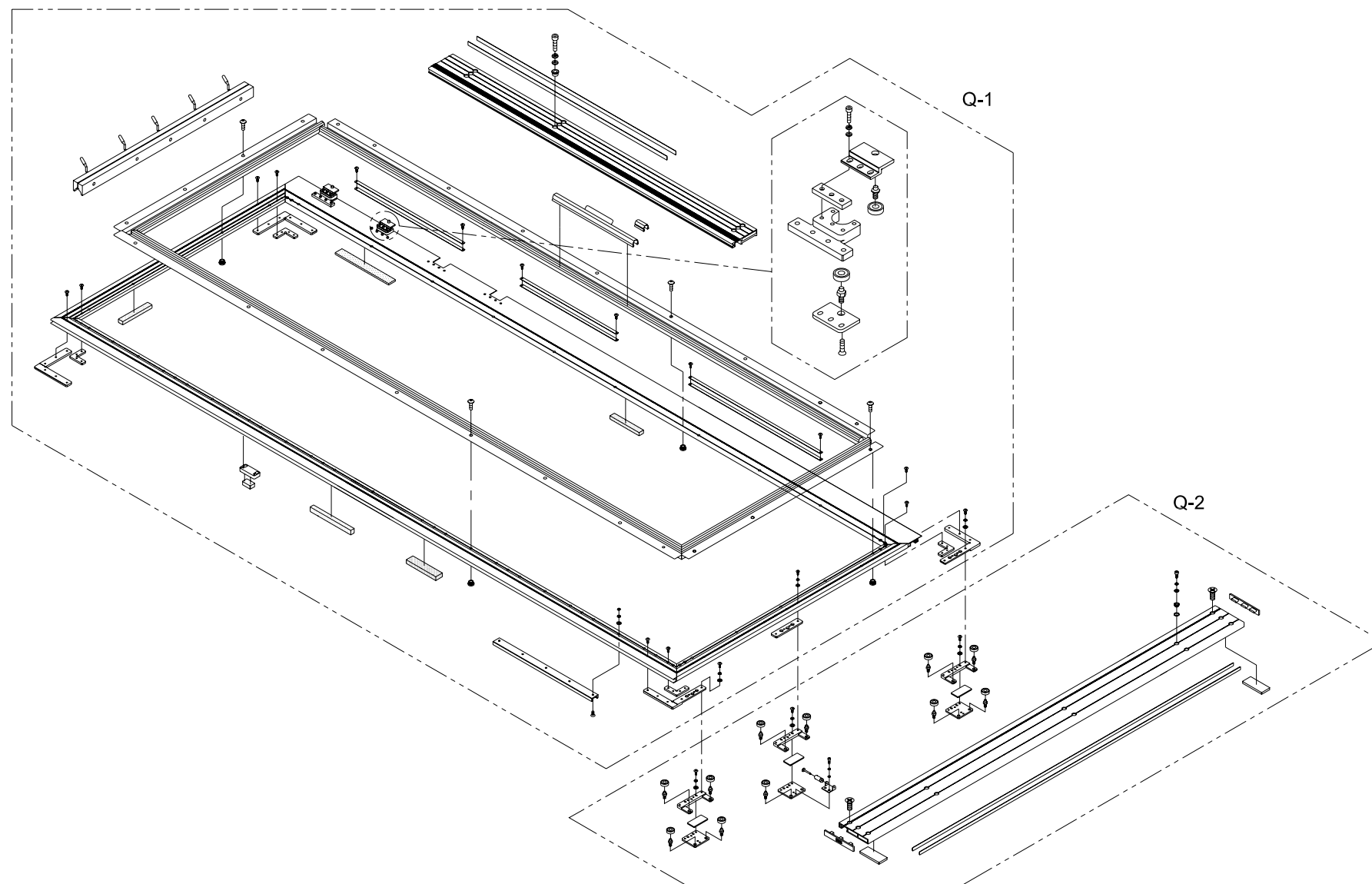
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
P - 2 - 1	12000500I000	Upper Shaft Cover "B" Bracket				2	
P - 2 - 2	02023SC - 7113	Hex. Socket Bolt (M4*L8)				4	
P - 2 - 3	GP - 009800 - 00	Upper Shaft Cover "B"	May,26,05 ~	X		1	
	GP - 009800 - 01		Jan,04,05 ~				
P - 2 - 4	18033SC - 3123	Truss Screw (M5*L6)				4	
P - 2 - 5	GP - 009787 - 00	Upper Shaft Cover(Left)	May,26,05 ~	X		1	
	GP - 009787 - 01		Sep,23,05 ~				
	GP - 009787 - 02		Nov,04,05 ~				
	GP - 009787 - 03		Dec,24,08 ~				
P - 2 - 6	GP - 009788 - 00	Upper Shaft Cover(Right)	May,26,05 ~	X		1	
	GP - 009788 - 01		Sep,23,05 ~				
P - 2 - 7	GP - 009789 - 00	Upper Shaft Cover(A - 1)	May,26,05 ~	X		10	
	GP - 009789 - 01		Nov,03,05 ~				
	GP - 009789 - 02		Feb,18,06 ~				
P - 2 - 8	GP - 009790 - 00	Upper Shaft Cover(A - 2)	May,26,05 ~	X		9	
P - 2 - 9	GP - 009791 - 00	Upper Shaft Cover(A - 3)	May,26,05 ~	X		10	
	GP - 009791 - 01		Nov,03,05 ~				
	GP - 009791 - 02		May,26,06 ~				
P - 2 - 10	GP - 009792 - 00	Upper Shaft Cover(A - 4)	May,26,05 ~	X		9	
	GP - 009792 - 01		Jan,22,07 ~				
P - 2 - 11	GP - 009793 - 00	Upper Shaft Cover(A - 5)	May,26,05 ~	X		10	
	GP - 009793 - 01		Nov,03,05 ~				
	GP - 009793 - 02		Feb,18,06 ~				
	GP - 009793 - 03		Dec,24,08 ~				
P - 2 - 12	GP - 009794 - 00	Upper Shaft Cover(A - 6)	May,26,05 ~	X		9	
	GP - 009794 - 01		Sep,23,05 ~				
P - 2 - 13	GP - 009812 - 00	Bracket(A) for Upper Shaft Cover	May,26,05 ~	X		20	
P - 2 - 14	GP - 011137 - 00	Bracket(B) for Upper Shaft Cover	Aug,16,05 ~	X		10	
P - 2 - 15	GP - 009867 - 00	Upper Shaft Cover(A - 7)	Jun,02,05 ~	X		10	
P - 2 - 16	GP - 009813 - 00	Bracket for Upper Shaft Cover(A - 5)	May,26,05 ~	X		10	
P - 2 - 17	GP - 009814 - 00	Stud for Upper Shaft Cover	May,26,05 ~	X		30	
	GP - 009814 - 01		Jul,11,10 ~				
P - 2 - 18	15042SC - 3123	Truss Screw(M4*L6)			O	100	
P - 2 - 19	08076SC - 7113	Hex.Socket Bolt(M5*L12)			O	60	
P - 2 - 20	18048SW - 3115	Spring Washer(@5)			O	60	
P - 2 - 21	18049SW - 3111	Washer(@5)			O	60	

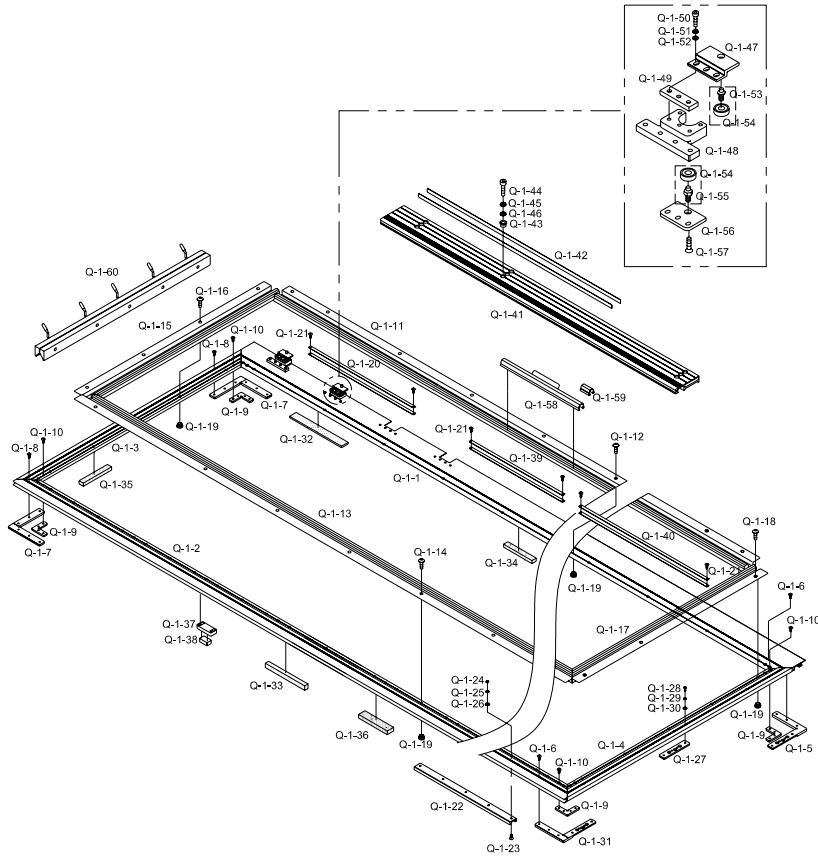
Cover (TA-WL012-120)



Frame



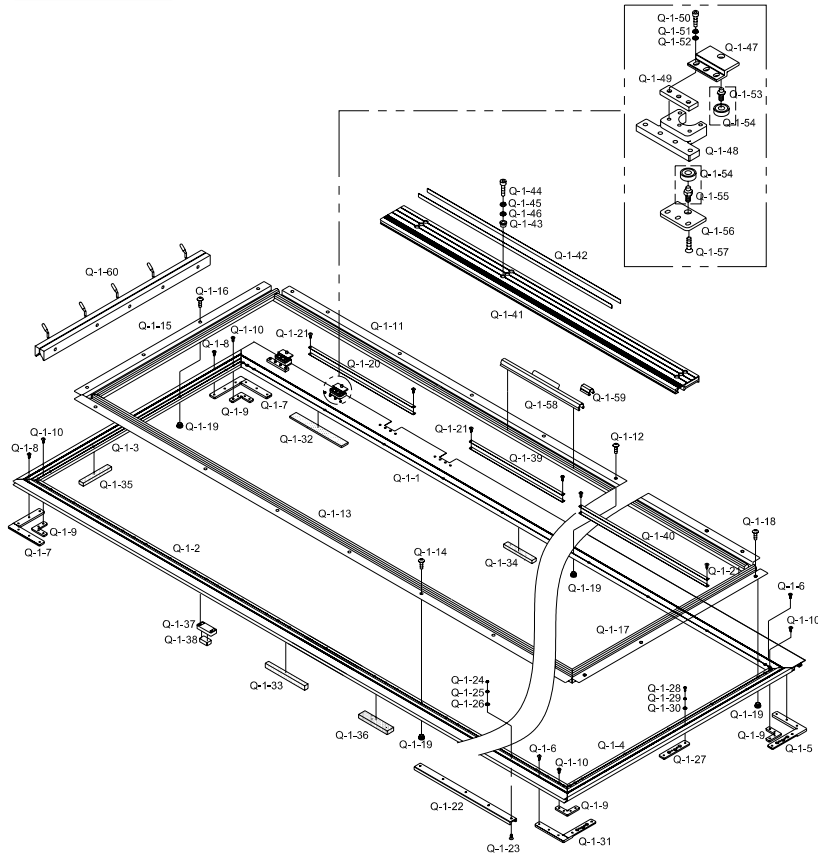
Q-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q - 1 - 1	GP - 009047 - 00	Frame (A) [L=6211]	May,04,05 ~	X		1	
	GP - 009047 - 01		Nov,02,05 ~				
Q - 1 - 2	GP - 009048 - 00	Frame (B) [L=6211]	May,04,05 ~	X		1	
Q - 1 - 3	105009001001	Frame (D) [L=1389]				1	
Q - 1 - 4	GP - 037802 - 00	Frame (G) [L=1389]	Mar,26,08 ~	X		1	
Q - 1 - 5	GP - 030400 - 00	Corner Guide (A)	May,16,07 ~	X		1	
	GP - 030400 - 01		Mar,26,08 ~				
Q - 1 - 6	18014SC - 7113	Hex.Socket Bolt(M4*L10)			O	12	
Q - 1 - 7	GP - 037803 - 00	Corner Guide (B)	Mar,26,08 ~	X		2	
Q - 1 - 8	18014SC - 7113	Hex.Socket Bolt(M4*L10)			O	12	
Q - 1 - 9	GP - 037737 - 00	Corner Guide (C)	Mar,24,08 ~	X		4	
Q - 1 - 10	18014SC - 7113	Hex.Socket Bolt(M4*L10)			O	16	
Q - 1 - 11	GP - 009049 - 00	Frame (C - 1) [L=6056]	May,04,05 ~	X		1	
Q - 1 - 12	SC - 001903 - 00	Truss Screw (M4*L8)			O	21	
Q - 1 - 13	GP - 0009050 - 00	Frame (C - 2) [L=6111]	May,04,05 ~	X		1	
Q - 1 - 14	SC - 001903 - 00	Truss Screw (M4*L8)			O	40	
Q - 1 - 15	105016101001	Frame (C - 3) [L=1288.5]				1	
Q - 1 - 16	SC - 001903 - 00	Truss Screw (M4*L8)			O	7	
Q - 1 - 17	105017101001	Frame (C - 4) [L=1288.5]				1	
Q - 1 - 18	SC - 001903 - 00	Truss Screw (M4*L8)			O	7	
Q - 1 - 19	18045SC - A001	Bushing Nut(C)			O	88	
Q - 1 - 20	GP - 010988 - 00	Frame Guide Rail Plate A - 1 [L=1029]	May,08,05 ~	X		2	
Q - 1 - 21	18014SC - 7113	Truss Screw (M4*L9)			O	6	
Q - 1 - 22	GP - 010993 - 00	Guide for Bearing [L=1040]	May,08,05 ~	X		4	
Q - 1 - 23	02010AF - 3123	Hex.Socket Bolt(M4*L12)			O	20	
Q - 1 - 24	18151SN - 8311	Cap Nut(@4)			O	20	
Q - 1 - 25	18014SW - 3115	Spring Washer (@4)			O	20	
Q - 1 - 26	18015SW - 3111	Washer (4@)			O	20	
Q - 1 - 27	GP - 037813 - 00	Fixing Block (C) for Bearing	Mar,27,08 ~	X		1	
Q - 1 - 28	SC - 000334 - 00	SCREW M4*L15	May,19,05 ~	X	O	4	
Q - 1 - 29	18014SW - 3115	Spring Washer (@4 - No2)			O	4	
Q - 1 - 30	18015SW - 3111	Washer (4@)			O	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	18069SF - AA00	Front Felt (2) (L=135)				40	
Q - 1 - 34	18071SF - A001	Rear Felt (K) (L=135)				40	
Q - 1 - 35	18072SF - AD00	Rear Felt (1) (L=105)				4	

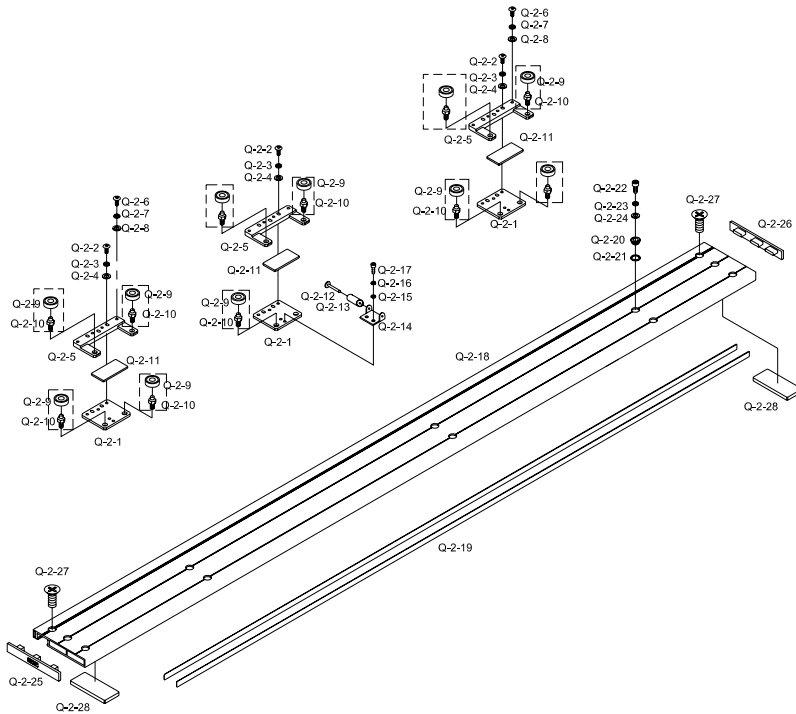
Q-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q - 1 - 36	10501900I000	Felt(A)				17	
Q - 1 - 37	10500200B000	FELT ATTACHMENT				10	
Q - 1 - 38	10500300B000	FRONT FELT (A)				10	
Q - 1 - 39	GP - 010987 - 00	Frame Guide Rail Plate(A)[L=1079]	Aug,08,05 ~	X		2	
Q - 1 - 40	GP - 009057 - 00	Frame Guide Rail Plate(B)[L=1429]	May,04,05 ~	X		2	
	GP - 009057 - 01		Nov,02,05 ~				
Q - 1 - 41	GP - 009055 - 00	Support Frame[L=2943]	May,04,05 ~	X		1	
Q - 1 - 42	GP - 009056 - 00	Sub Frame Guide Rail Plate[L=2942]	May,04,05 ~	X		2	
Q - 1 - 43	10000800I000	Insert Bushing Washer				6	
Q - 1 - 44	AS - 001418 - 00	FRAME E ENDCAP(A)SET	Oct,26,04 ~	X		1	
	AS - 001418 - 01		Apr,01,05 ~				
	AS - 001418 - 02		Feb,20,07 ~				
	AS - 001418 - 03		May,23,07 ~				
Q - 1 - 45	AS - 001419 - 00	FRAME E ENDCAP B SET	Oct,26,04 ~	X		1	
	AS - 001419 - 01		Apr,01,05 ~				
	AS - 001419 - 02		Feb,20,07 ~				
	AS - 001419 - 03		May,23,07 ~				
Q - 1 - 46	18014SC - 7113	Truss Screw (M4*L9)			O	6	
Q - 1 - 47	10006700B000	Fixing Block for Bearing				4	
Q - 1 - 48	GP - 003708 - 00	Fixing Block(A) for Bearing	Aug,18,04 ~	X		4	
Q - 1 - 49	10000800BK00	Bearing Conecting Block Space				4	
Q - 1 - 50	03016SC - 4113	Hex. Socket Bolt (M5*L18)			O	12	
Q - 1 - 51	18048SW - 3115	Spring Washer (5@)			O	12	
Q - 1 - 52	108049SW - 3111	Washer (@5)			O	12	
Q - 1 - 53	18066CW - A021	Rail Guide Pin "A"				4	
Q - 1 - 54	15077BR - B001	Ball Bearing (Lr606Nppu)			O	8	
Q - 1 - 55	18066CW - A021	Rail Guide Pin "A"				4	
Q - 1 - 56	GP - 003710 - 00	Fixing Block (C) For Bearing	Aug,18,04 ~	X		4	
Q - 1 - 57	18065SC - 7119	Hex. Socket Bolt (M5Xl6)			O	4	
Q - 1 - 58	18084PR - A001	Clip [L=300mm]				42	
Q - 1 - 59	18086PR - B001	Frame Clip Support				84	
Q - 1 - 60	12001100B009	Clip [L=1200mm]				2	
Q - 1 - 61	10510010BH14	FRAME Assy				1	

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	Oct,20,05 ~	X		3	
	GP - 007190 - 01		Apr,07,05 ~				
	GP - 007190 - 02		Mar,26,08 ~				
Q - 2 - 2	02023SC - 7113	Hex.Socket Bolt(M4*L8)			O	9	
Q - 2 - 3	18014SW - 3115	Spring Washer (@4 - No2)			O	9	
Q - 2 - 4	18015SW - 3111	Washer (4@)			O	9	
Q - 2 - 5	GP - 037776 - 00	Fixing Block (A) for Bearing	Mar,25,08 ~	X		3	
	GP - 037776 - 01		Apr,14,08 ~				
	GP - 037776 - 02		May,26,8 ~				
Q - 2 - 6	07016SC - 7113	Hex.Socket Bolt(M4*L12)			O	8	
Q - 2 - 7	18014SW - 3115	Spring Washer (@4 - No2)			O	8	
Q - 2 - 8	18015SW - 3111	Washer (4@)			O	8	
Q - 2 - 9	15077BR - B001	Ball Bearing (LR606NPPU)			O	12	
Q - 2 - 10	18062CW - A021	Rail Guide Pin (B)				12	
Q - 2 - 11	GP - 006546 - 00	FELT W	Dec,21,04 ~	X		3	
Q - 2 - 12	10510800B000	ROLLER PIN				3	
Q - 2 - 13	18107CW - B001	ROLLER				3	
Q - 2 - 14	18106PR - B001	ROLLER BRACKET				3	
Q - 2 - 15	18015SW - 3111	WASHER (4@)			O	6	
Q - 2 - 16	18014SW - 3115	SPRING WASHER (@4 - NO2)			O	6	
Q - 2 - 17	02023SC - 7113	HEX.SOCKET BOLT (M4*L8)			O	6	
Q - 2 - 18	GP - 006161 - 00	Frame E [L=2559]	Dec,09,04 ~	X		1	
	GP - 006161 - 01		Feb,20,07 ~				
	GP - 006161 - 02		May,23,07 ~				
	GP - 006161 - 03		Jul,25,07 ~				
Q - 2 - 19	10000600I001	Frame Guide Rail Plate				2	
Q - 2 - 20	10000700I000	Insert Bushing				6	
Q - 2 - 21	10000800I000	Insert Bushing Washer				6	
Q - 2 - 22	18014SC - 7113	Truss Screw (M4*L9)			O	6	
Q - 2 - 23	16014SW - 4115	Spring Washer (@6)			O	6	
Q - 2 - 24	08057SW - 1111	Washer (@6)			O	6	
Q - 2 - 25	AS - 001418 - 00	FRAME E ENDCAP(A)SET	Dec,09,04 ~	X		1	
	AS - 001418 - 01		Apr,01,05 ~				
	AS - 001418 - 02		Feb,20,07 ~				
	AS - 001418 - 03		May,23,07 ~				

Q

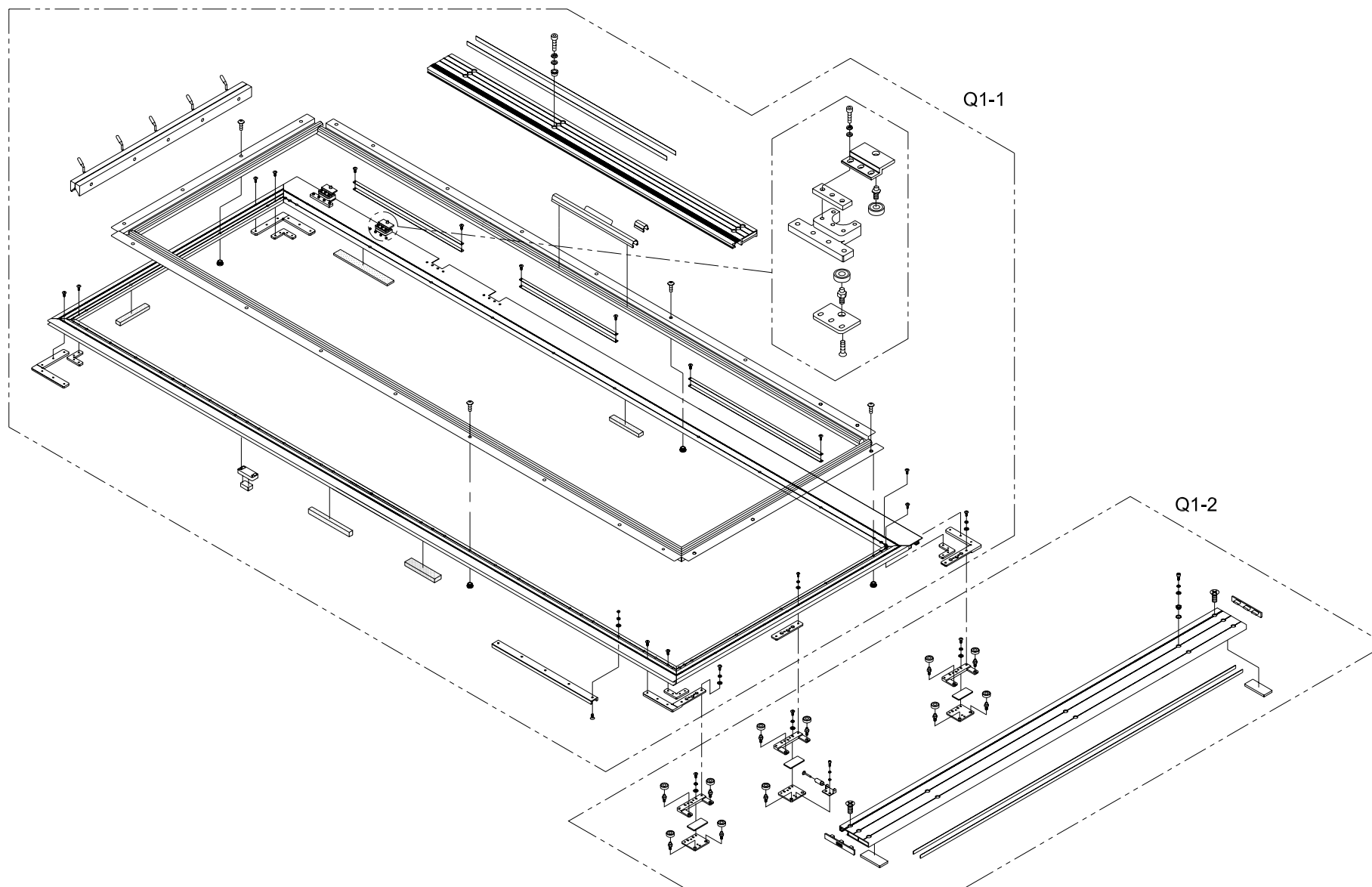
This diagram illustrates the assembly of the Q-2-18 component, which is a long, narrow metal rail. The assembly process is shown in several stages, with components labeled Q-2-1 through Q-2-28. The main rail (Q-2-18) is shown in the center, with various brackets, bolts, and nuts being attached to it. The assembly sequence is indicated by the labels and the arrangement of the parts. Key components include:

- Q-2-1**: A small bracket or plate at the bottom left.
- Q-2-2** through **Q-2-14**: Various small brackets, bolts, and nuts used for mounting and securing the rail.
- Q-2-15** through **Q-2-21**: A series of small components, possibly spacers or washers, used for adjusting the rail's position.
- Q-2-22** through **Q-2-28**: A series of larger components, including a long bracket (Q-2-25), a long plate (Q-2-26), and a long rod (Q-2-27), which are used to secure the rail to a larger structure.

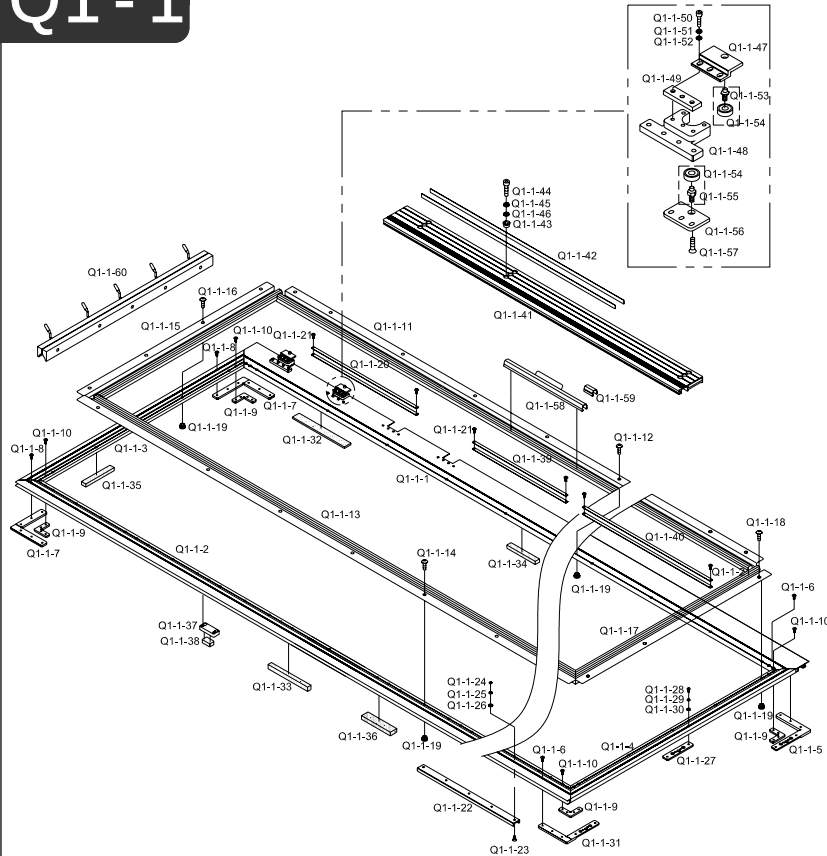
 The diagram shows the rail being assembled in a series of steps, with each step adding a new component to the assembly. The final assembly is shown at the bottom, with all components in place.

Q

Frame (TA-WL012-120)



Q1-1

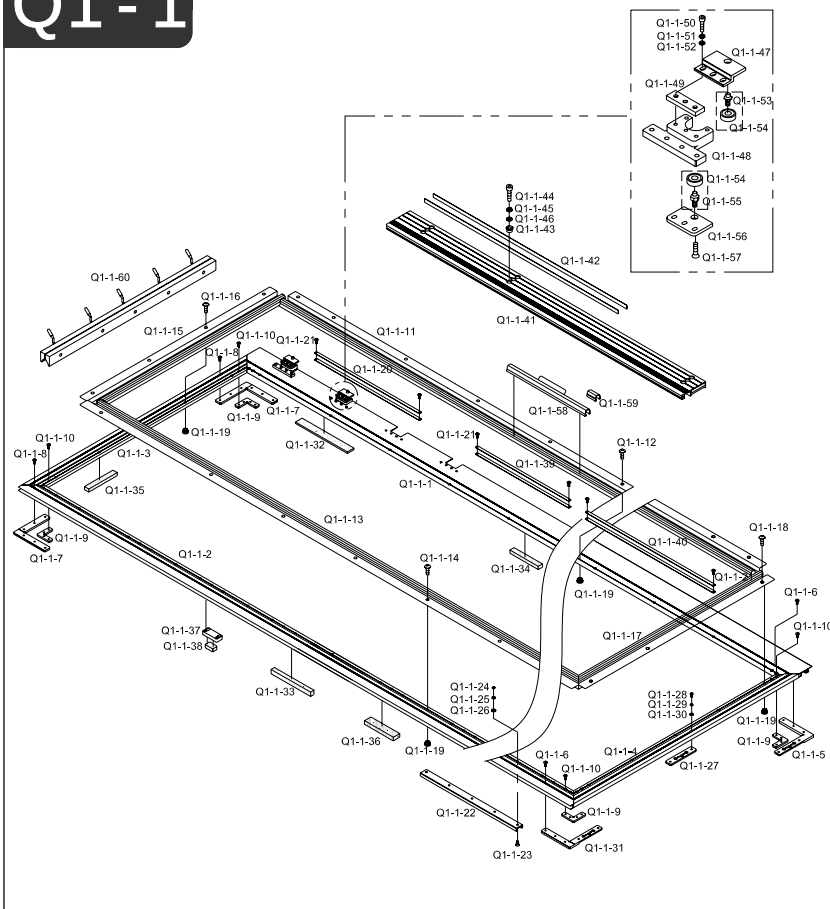


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q1-1-1	GP-051701-00	Frame (A)				1	
Q1-1-2	GP-051702-00	Frame (B)				1	
Q1-1-3	10500900I001	Frame (D) [L=1389]				1	
Q1-1-4	GP-037802-00	Frame (G) [L=1389]	Mar,26,08 ~	X		1	
Q1-1-5	GP-030400-00	Corner Guide (A)	May,16,07 ~	X		1	
	GP-030400-01		Mar,26,08 ~				
Q1-1-6	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	12	
Q1-1-7	GP-037803-00	Corner Guide (B)	Mar,26,08 ~	X		2	
Q1-1-8	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	12	
Q1-1-9	GP-037737-00	Corner Guide (C)	Mar,24,08 ~	X		4	
Q1-1-10	18014SC-7113	Hex.Socket Bolt(M4*L10)			O	16	
Q1-1-11	GP-051703-00	Frame (C-1)				1	
Q1-1-12	SC-001903-00	Truss Screw (M4*L8)			O	21	
Q1-1-13	GP-051704-00	Frame (C-2)				1	
Q1-1-14	SC-001903-00	Truss Screw (M4*L8)			O	40	
Q1-1-15	10501610I001	Frame (C-3) [L=1288.5]				1	
Q1-1-16	SC-001903-00	Truss Screw (M4*L8)			O	7	
Q1-1-17	10501710I001	Frame (C-4) [L=1288.5]				1	
Q1-1-18	SC-001903-00	Truss Screw (M4*L8)			O	7	
Q1-1-19	18045SC-A001	Bushing Nut(C)			O	88	
Q1-1-20	GP-010988-00	Frame Guide Rail Plate A-1 [L=1029]	May,08,05 ~	X		2	
Q1-1-21	18014SC-7113	Truss Screw (M4*L9)			O	6	
Q1-1-22	GP-003819-00	Guide for Bearing	Aug,19,04 ~			4	
	GP-003819-01		Feb,01,05 ~				
Q1-1-23	02010AF-3123	Hex.Socket Bolt(M4*L12)			O	20	
Q1-1-24	18151SN-8311	Cap Nut(@4)			O	20	
Q1-1-25	18014SW-3115	Spring Washer (@4)			O	20	
Q1-1-26	18015SW-3111	Washer (4@)			O	20	
Q1-1-27	GP-037813-00	Fixing Block (C) for Bearing	Mar,27,08 ~	X		1	
Q1-1-28	SC-000334-00	SCREW M4*L15	May,19,05 ~	X	O	4	
Q1-1-29	18014SW-3115	Spring Washer (@4-No2)			O	4	
Q1-1-30	18015SW-3111	Washer (4@)			O	4	
Q1-1-31	GP-037734-00	Corner Guide (A2)	Mar,24,08 ~	X		1	
Q1-1-32	18068SF-AE00	Front Felt(H)				3	
Q1-1-33	18069SF-AA00	Front Felt (2) (L=135)				40	
Q1-1-34	18071SF-A001	Rear Felt (K) (L=135)				40	
Q1-1-35	18072SF-AD00	Rear Felt (1) (L=105)				4	

Q1

Q1-1

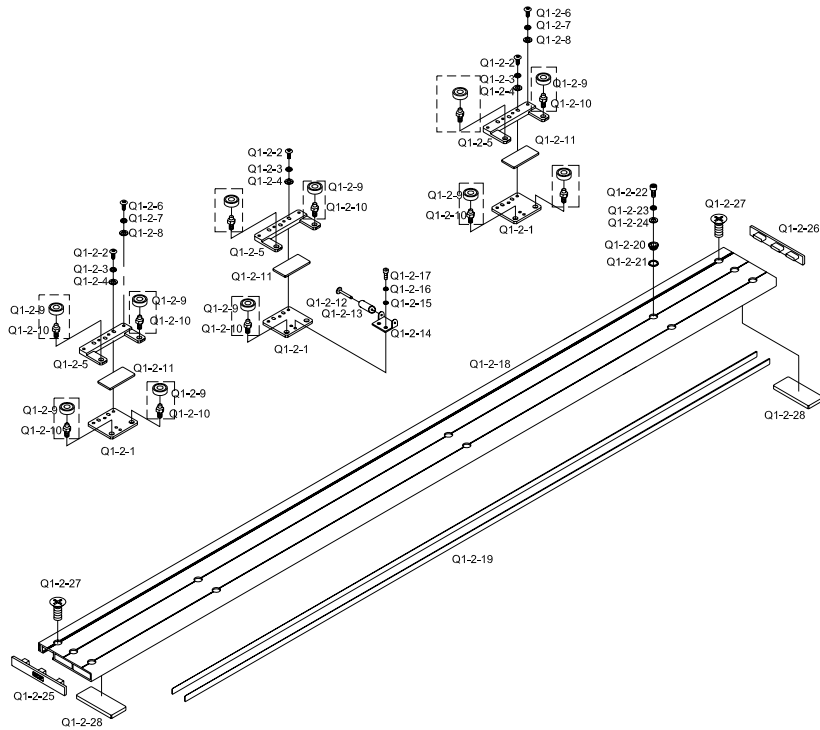


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q1-1-36	10501900I000	Felt(A)				17	
Q1-1-37	10500200B000	FELT ATTACHMENT				10	
Q1-1-38	10500300B000	FRONT FELT (A)				10	
Q1-1-39	GP-003822-00	Frame Guide Rail Plate(A)				2	
Q1-1-40	GP-051708-00	Frame Guide Rail Plate(B)				2	
Q1-1-41	GP-051702-00	Support Frame				1	
Q1-1-42	GP-051709-00	Sub Frame Guide Rail Plate				2	
Q1-1-43	10000800I000	Insert Bushing Washer				6	
Q1-1-44	AS-001418-00	FRAME E ENDCAP(A)SET	Oct,26,04 ~	X		1	
	AS-001418-01		Apr,01,05 ~				
	AS-001418-02		Feb,20,07 ~				
	AS-001418-03		May,23,07 ~				
Q1-1-45	AS-001419-00	FRAME E ENDCAP B SET	Oct,26,04 ~	X		1	
	AS-001419-01		Apr,01,05 ~				
	AS-001419-02		Feb,20,07 ~				
	AS-001419-03		May,23,07 ~				
Q1-1-46	18014SC-7113	Truss Screw (M4*L9)			O	6	
Q1-1-47	10006700B000	Fixing Block for Bearing				4	
Q1-1-48	GP-003708-00	Fixing Block(A) for Bearing	Aug,18,04 ~	X		4	
Q1-1-49	10000800BK00	Bearing Conecting Block Space				4	
Q1-1-50	03016SC-4113	Hex. Socket Bolt (M5*L18)			O	12	
Q1-1-51	18048SW-3115	Spring Washer (5@)			O	12	
Q1-1-52	108049SW-3111	Washer (@5)			O	12	
Q1-1-53	18066CW-A021	Rail Guide Pin "A"				4	
Q1-1-54	15077BR-B001	Ball Bearing (Lr606Nppu)			O	8	
Q1-1-55	18066CW-A021	Rail Guide Pin "A"				4	
Q1-1-56	GP-003710-00	Fixing Block (C) For Bearing	Aug,18,04 ~	X		4	
Q1-1-57	18065SC-7119	Hex. Socket Bolt (M5Xl6)			O	4	
Q1-1-58	18084PR-A001	Clip [L=300mm]				42	
Q1-1-59	18086PR-B001	Frame Clip Support				84	
Q1-1-60	12001100B009	Clip [L=1200mm]				2	
Q1-1-61	10510010BH14	FRAME Assy				1	

Q1

Q1-2



Note

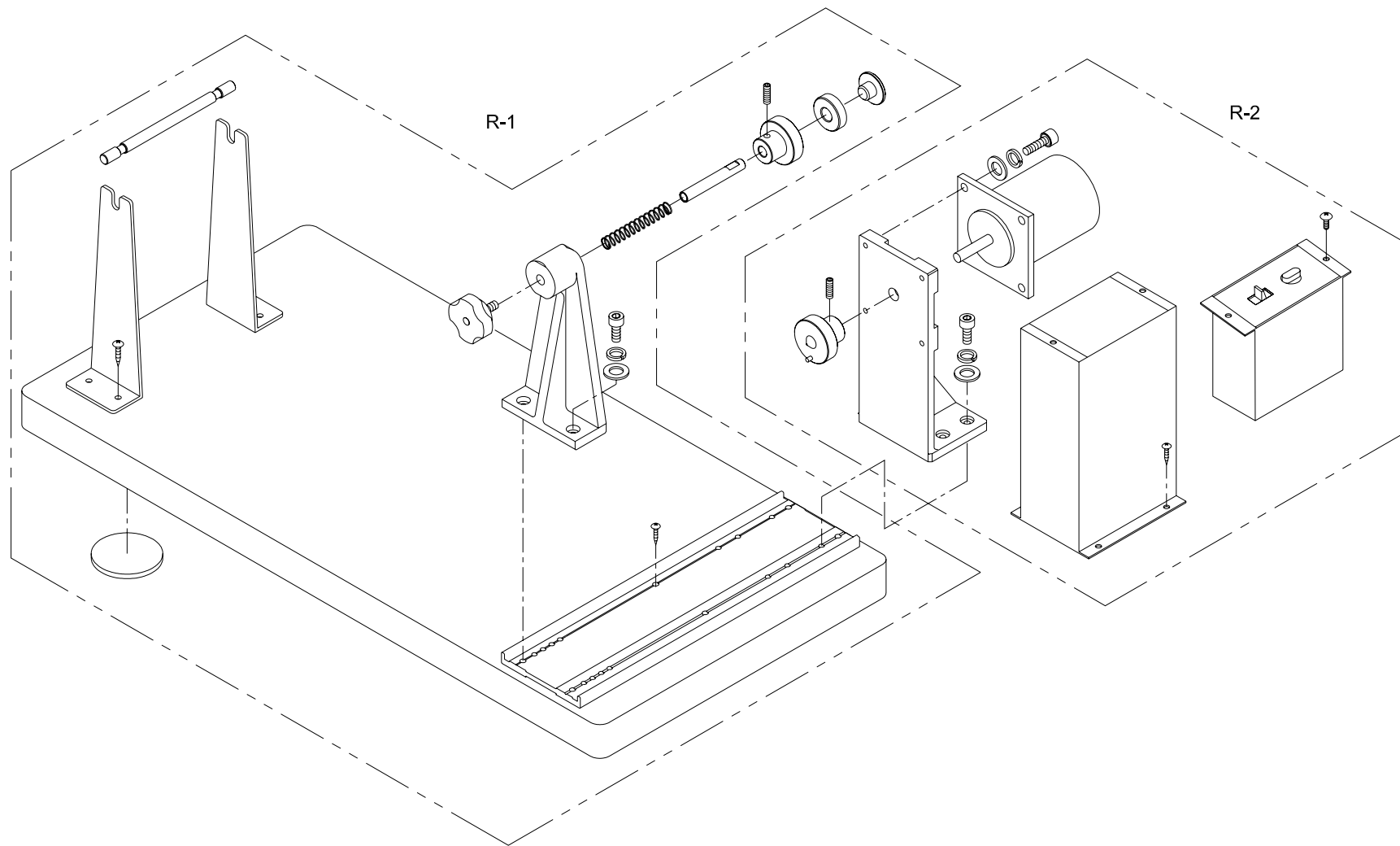
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q1-2-1	GP-007190-00	BEARING CONNECTING BLOCK B	Oct,20,05 ~	X		3	
	GP-007190-01		Apr,07,05 ~				
	GP-007190-02		Mar,26,08 ~				
Q1-2-2	02023SC-7113	Hex.Socket Bolt(M4*L8)			O	9	
Q1-2-3	18014SW-3115	Spring Washer (@4-No2)			O	9	
Q1-2-4	18015SW-3111	Washer (4@)			O	9	
Q1-2-5	GP-037776-00	Fixing Block (A) for Bearing	Mar,25,08 ~	X		3	
	GP-037776-01		Apr,14,08 ~				
	GP-037776-02		May,26,8 ~				
Q1-2-6	07016SC-7113	Hex.Socket Bolt(M4*L12)			O	8	
Q1-2-7	18014SW-3115	Spring Washer (@4-No2)			O	8	
Q1-2-8	18015SW-3111	Washer (4@)			O	8	
Q1-2-9	15077BR-B001	Ball Bearing (LR606NPPU)			O	12	
Q1-2-10	18062CW-A021	Rail Guide Pin (B)				12	
Q1-2-11	GP-006546-00	FELT W	Dec,21,04 ~	X		3	
Q1-2-12	10510800B000	ROLLER PIN				3	
Q1-2-13	18107CW-B001	ROLLER				3	
Q1-2-14	18106PR-B001	ROLLER BRACKET				3	
Q1-2-15	18015SW-3111	WASHER (4@)			O	6	
Q1-2-16	18014SW-3115	SPRING WASHER (@4-NO2)			O	6	
Q1-2-17	02023SC-7113	HEX.SOCKET BOLT (M4*L8)			O	6	
Q1-2-18	GP-006161-00	Frame E [L=2559]	Dec,09,04 ~	X		1	
	GP-006161-01		Feb,20,07 ~				
	GP-006161-02		May,23,07 ~				
	GP-006161-03		Jul,25,07 ~				
Q1-2-19	10000600I001	Frame Guide Rail Plate				2	
Q1-2-20	10000700I000	Insert Bushing				6	
Q1-2-21	10000800I000	Insert Bushing Washer				6	
Q1-2-22	18014SC-7113	Truss Screw (M4*L9)			O	6	
Q1-2-23	16014SW-4115	Spring Washer (@6)			O	6	
Q1-2-24	08057SW-1111	Washer (@6)			O	6	
Q1-2-25	AS-001418-00	FRAME E ENDCAP(A)SET	Dec,09,04 ~	X		1	
	AS-001418-01		Apr,01,05 ~				
	AS-001418-02		Feb,20,07 ~				
	AS-001418-03		May,23,07 ~				

Q1

Note

Q1

Thread Divider Device



This diagram illustrates the assembly of a mechanical device, likely a door latch or handle. The components are labeled as follows:

- R-1-1**: The main rectangular base plate.
- R-1-2**: A circular disc or washer.
- R-1-3**: A vertical support bracket.
- R-1-4**: A long, thin rod or pin.
- R-1-5**: A horizontal track or guide rail.
- R-1-6**: A vertical support bracket with a curved top.
- R-1-7**: A small screw or fastener.
- R-1-8**: A small washer or spacer.
- R-1-9**: A small nut or lock washer.
- R-1-10**: A long, thin rod or pin.
- R-1-11**: A coiled spring.
- R-1-12**: A small circular component, possibly a bush or spacer.
- R-1-13**: A small screw or fastener.
- R-1-14**: A small circular component, possibly a bush or spacer.
- R-1-15**: A small circular component, possibly a bush or spacer.
- R-1-16**: A small circular component, possibly a bush or spacer.
- R-1-17**: A small screw or fastener.

The diagram shows the assembly process, with lines indicating the placement of each part. For example, R-1-2 is shown being inserted into R-1-1. R-1-3 and R-1-6 are shown being attached to R-1-1. R-1-4 is shown being inserted into R-1-3. R-1-5 is shown being attached to R-1-1. R-1-6 is shown being attached to R-1-1. R-1-7, R-1-8, and R-1-9 are shown being attached to R-1-6. R-1-10, R-1-11, R-1-12, R-1-13, R-1-14, and R-1-15 are shown being attached to R-1-6. R-1-16 and R-1-17 are shown being attached to R-1-1.

Note



R-2

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

- R-2-1**: The main vertical rectangular frame.
- R-2-2**: A small cylindrical pin or spacer.
- R-2-3**: A small O-ring or seal.
- R-2-4**: A larger O-ring or seal.
- R-2-5**: A small screw or fastener.
- R-2-6**: A cylindrical component, likely a motor or actuator, with a mounting flange.
- R-2-7**: A circular disc or plate.
- R-2-8**: A small screw or fastener.
- R-2-9**: A horizontal rectangular base or support.
- R-2-10**: A screw or fastener for the base.
- R-2-11**: A screw or fastener for the top cover.

The diagram shows the relative positions and assembly sequence of these parts. For example, R-2-2, R-2-3, and R-2-4 are shown being inserted into the side of R-2-1. R-2-6 is shown being mounted to the top of R-2-1 using R-2-5. R-2-7 is shown being attached to the side of R-2-1 using R-2-8. R-2-9 is shown being attached to the bottom of R-2-1 using R-2-10. R-2-11 is shown being used to secure the top cover of R-2-9.

Note



