

PARTS BOOK

Multi-Head

E-Series Special Type

AFC

E-WS(X)630-68

Notice

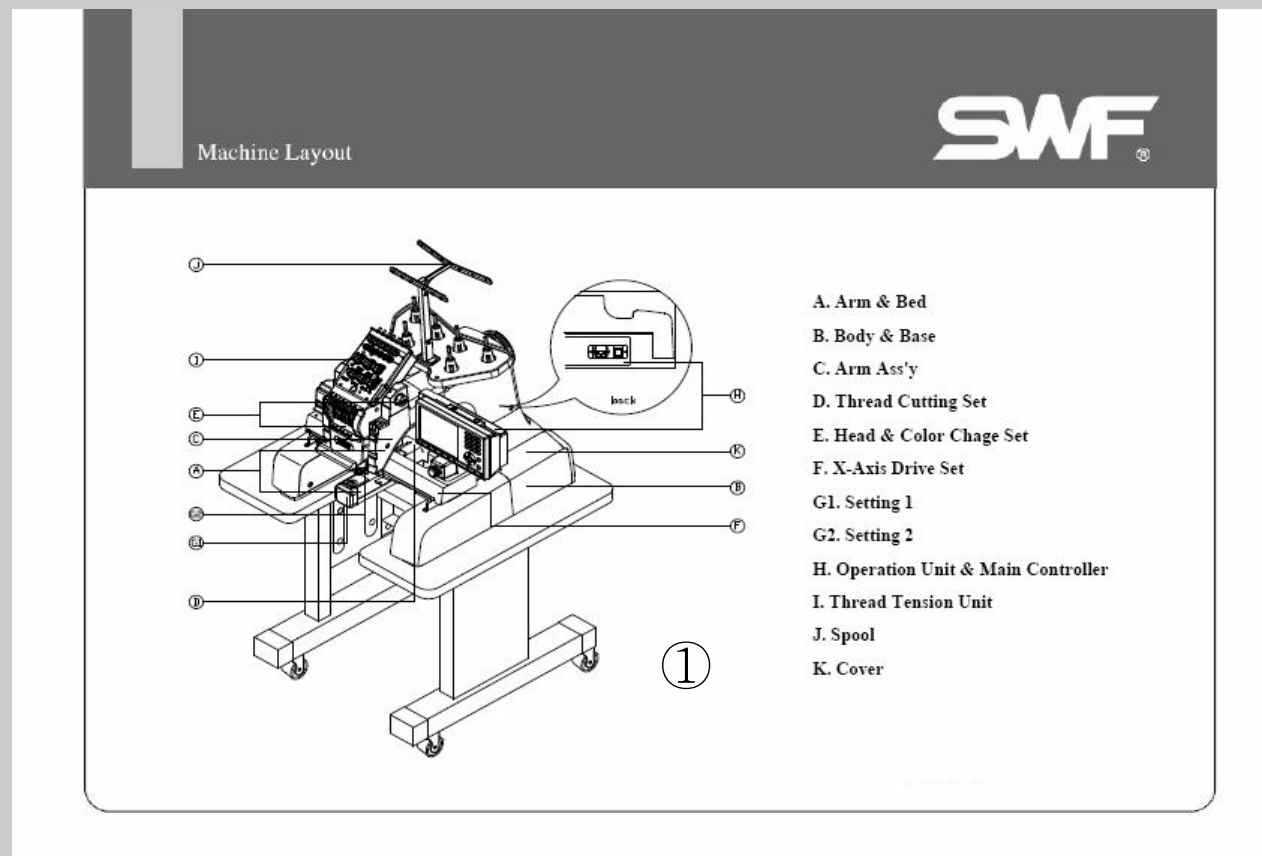
1. 본 책자는Parts Book으로 제작되었으므로 매뉴얼로 사용 불가합니다.
2. 조에 속한 파트는 개별 조립 시 제품의 파손 또는 자수 불량일 수 있어 해당 파트에 대한 주문 시에는 조 품목으로만 구입이 가능합니다.
3. 당사의 Part Book은 다음과 같은 순서로 분류되어 있으니 제품을 구입한 소비자께서는 다음과 같은 순서로 제품을 검색하여 주십시오.

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

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

A. Structure of Part Book 1. Machine Layout



Information

A. Structure of Part Book

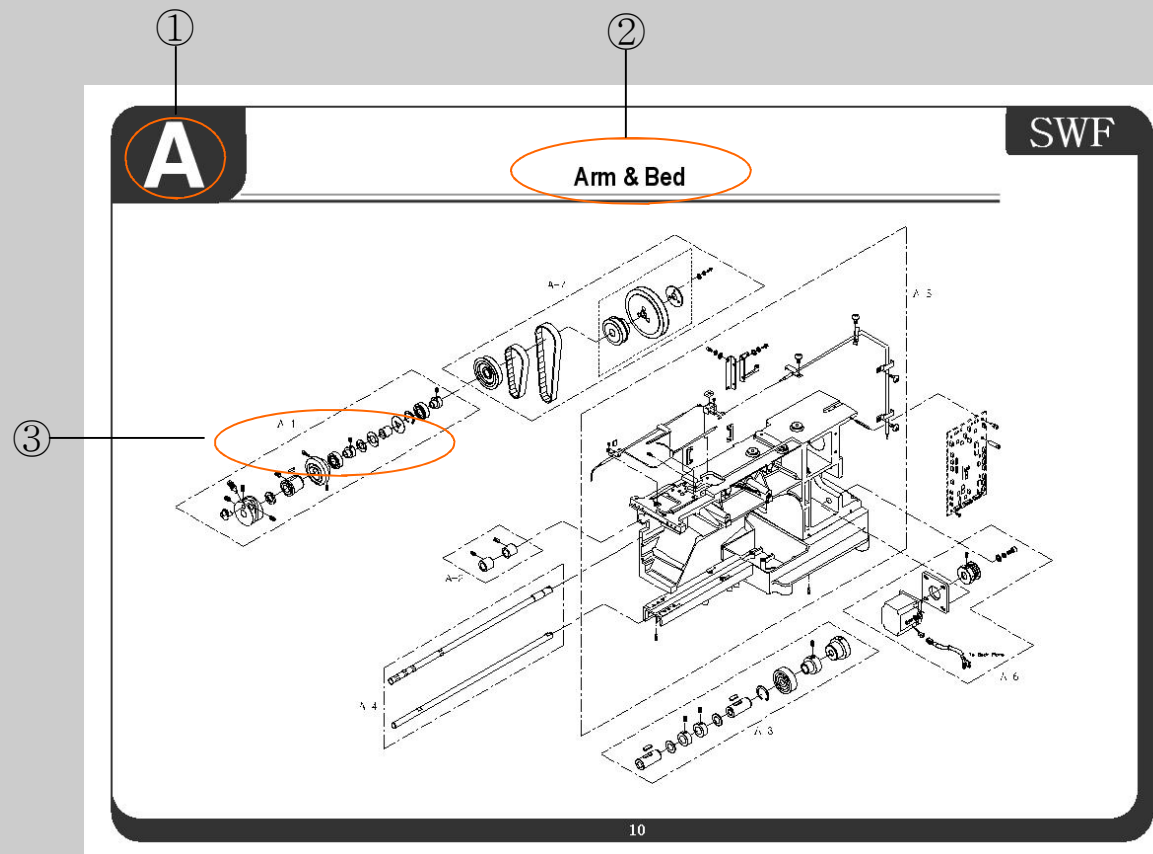
2. Section

① : Index Number

② : Index Group

③ : Related Parts

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



Information

A. Structure of Part Book

3. Part List

①

A-1

Note

③	④	⑤	⑥	⑦	⑧	⑨	⑩
Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Qty	Remark
A-1-1	01018CM-1909	Thase-up Lever Driving Cam	Oct-08-07 ~ Oct-08-07	X		1	
A-1-2	01017CW-1123	Thase-up Lever Driving Cam	Oct-08-07 ~			1	
A-1-3	01018SC-4515	Cam Screw (8/32x28L=17)			O	1	
A-1-4	01018SC-4515	Screw (11/4"x28 L=7.5)				1	
A-1-5	01018SC-4515	Hex. Socket Set Screw (1/4"x28 L=4.5)				2	
A-1-6	01028RR-A001	Washer				1	
A-1-7	01028RR-A001	Rearizer				1	
A-1-8	01028RR-A001	Needle Bar Crank				1	
A-1-9	01012MP-1123	Upper Shaft Bushing (9)				1	
A-1-10	010045C-4517	Screw (11/4"x28 L=14)			O	3	
A-1-11	010143F-1121	Felt				1	
A-1-12	01013CM-C503	Presser Foot Driving Cam				1	
A-1-13	04012AP-A001	Screw (11/4"x28)			O	3	
A-1-14	110098C-4113	Screw (M4xL20)			O	1	
A-1-15	01028RR-A001	Rearizer (600422)				1	
A-1-16	010006001000	Rearizer Collar				2	
A-1-17	04012AP-A001	Screw (11/4"x28)			O	3	
A-1-18	WS-00018R-00	Washer				1	
A-1-19	CL-000097-00	Code Wheel				1	
A-1-20	CL-000097-00	Collar				1	
A-1-21	KP-018534-01	Technical Plate				1	
A-1-22	01018SC-4515	C-Nut (1947)			O	1	
A-1-23	01018SC-4515	Rearizer (600422)				1	

(Note) * : Checks the timing of application.

① Index Number
Ex) A-1, A-2...

② Parts View

Information

A. Structure of Part Book

③ Ref. No

④ Part No

Ex)

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

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

⑥ Applied Period

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

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

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

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

Information

A. Structure of Part Book

⑦ Interchangeability

O : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 가능

: It is interchangeable between old and new part.

X : 구 부품을 신 부품으로 교환 불가능

신 부품을 구 부품으로 교환 불가능

: It is not interchangeable between old and new part.

△ : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 불가능

: It is interchangeable by new part only.

⑧ Hardware : 시중에서 구매 할 수 있는 부품

: Parts that can be purchased in the market

⑨ Q'ty : 사용 파트의 수량을 표기

: Quantity of part

⑩ Remark

⑪ Index Number

Machine Layout



A. Beam Body & Bed

B. Arm 1

C. Arm 2

D. Thread Cutting Drive System

E. Main Drive System

F. Head

G. Thread Tension Unit

H. X-Y Axis Drive System

I. Setting

J. Thread Stand

K. Work Table

L. Cable

M. Con box & OP box

N. Lamp & Switch

O. Bobin Winder

P. Cover

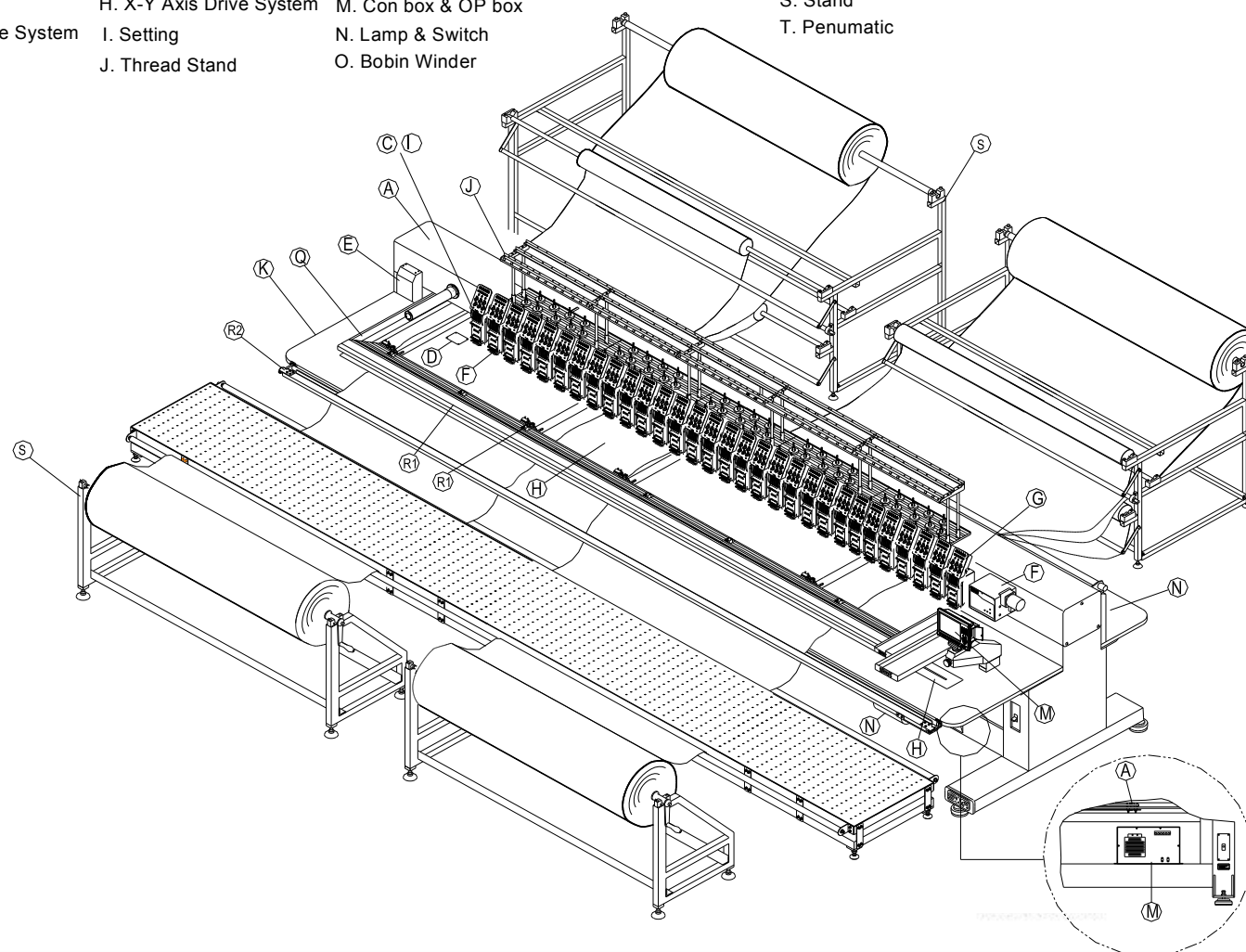
Q. Embroidery Frame

R1. X-Y Clamp

R2. Front-Rear Clamp

S. Stand

T. Penumatic



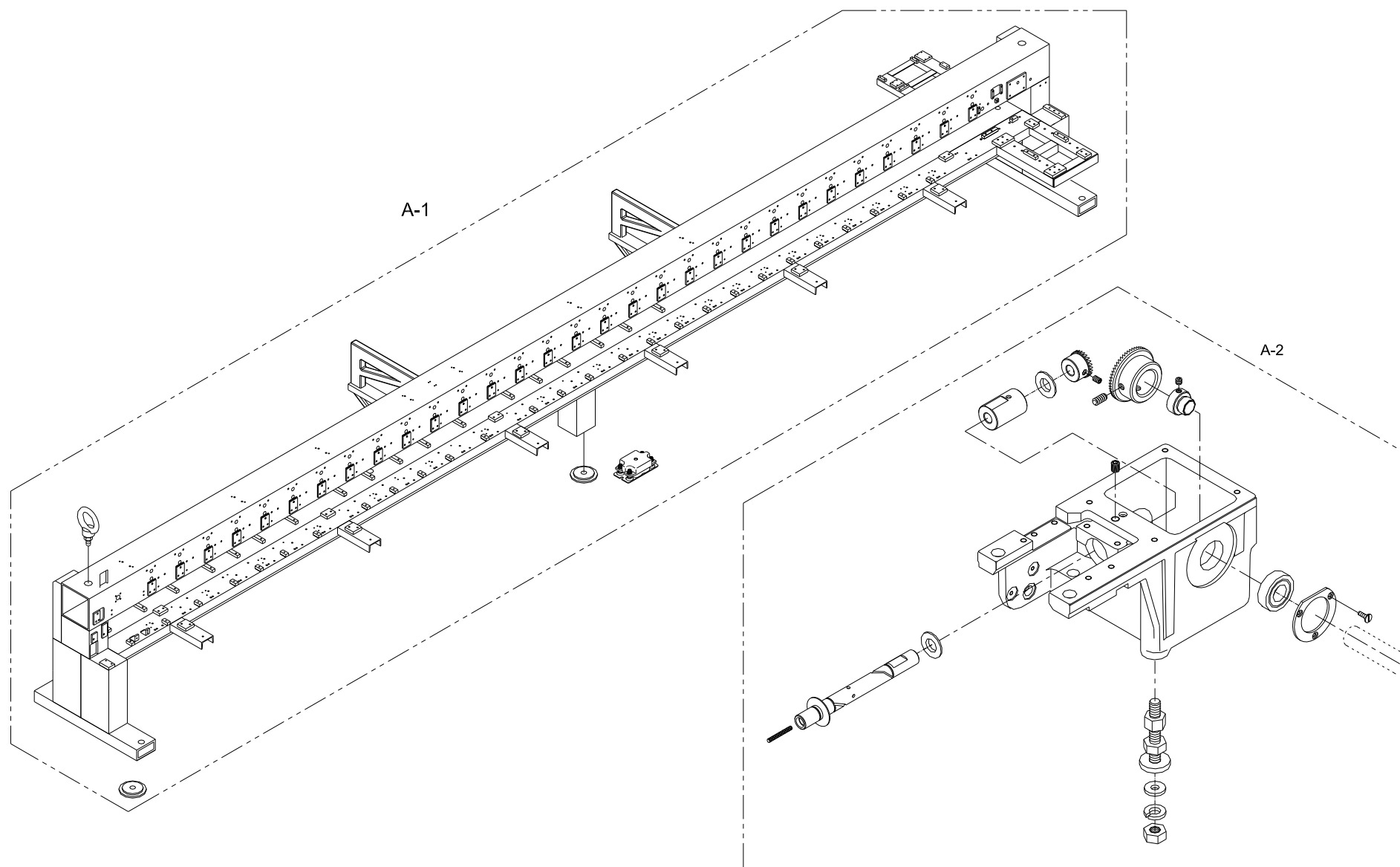


CONTENT

A	Beam Body & Bed	10
B	Arm 1	13
C	Arm 2	20
D	Thread Cutting Set	27
E	Main Drive System	33
F	Head & Color Change	38
G	Thread Tension Unit	46
H	X-Y Drive	50
I	Setting	63
J	Spool	69

K	Table	72
L	Cable	75
M	Con Box & O/P Box	79
N	Lamp & Switch	89
O	Bobbin Winder	93
P	Cover	96
Q	Frame	99
R1	X-Y Clamp	103
R2	Front-Rear Clamp	109
S	Stand	114
T	Pneumatic	118
U	Index	120

Beam Body & Bed



A-1

This diagram illustrates the exploded view of the A-1 assembly. The main component is a long, horizontal rail (A-1-1) featuring a series of mounting slots. To the left, a vertical support structure (A-1-3) is shown with a circular component (A-1-4) being attached to its side. To the right, a complex assembly of components (A-1-2) is shown, including a base plate, a vertical support, and a horizontal rail, all of which are designed to interface with the main rail (A-1-1). The diagram uses dashed lines to indicate the assembly path and alignment of the parts.

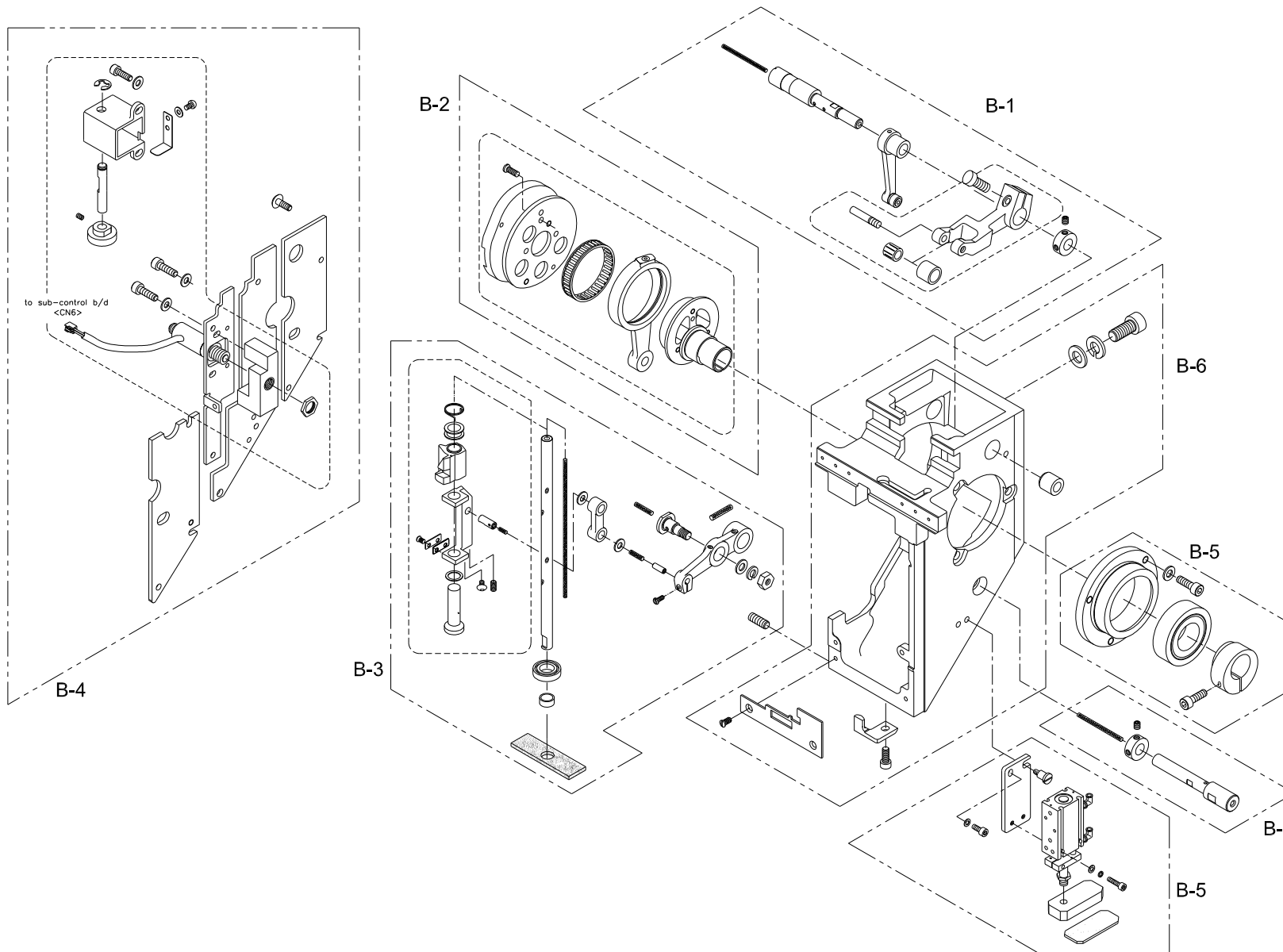
Note

[illegible]

A

[illegible]

Arm 1



B-1

This exploded view diagram illustrates the assembly of a mechanical component, likely a door handle or latch. The main assembly is shown in a dashed outline. Key components and their assembly sequence are indicated by callouts:

- B-1-1**: A long cylindrical shaft with a small rectangular slot.
- B-1-2**: A long threaded rod.
- B-1-3**: Two small black O-rings.
- B-1-4**: A circular flange with a central hole.
- B-1-5**: A small black O-ring.
- B-1-6**: A rectangular plate with mounting holes.
- B-1-7**: A U-shaped bracket.
- B-1-8**: A small cylindrical pin.
- B-1-9**: A larger cylindrical pin.
- B-1-10**: A small cylindrical pin.
- B-1-11**: A small cylindrical pin.
- B-1-12**: A circular flange with a central hole.
- B-1-13**: A small black O-ring.
- B-1-14**: A circular flange with a central hole.
- B-1-15**: A long threaded rod.
- B-1-16**: A long threaded rod.

Note

B

B-2

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

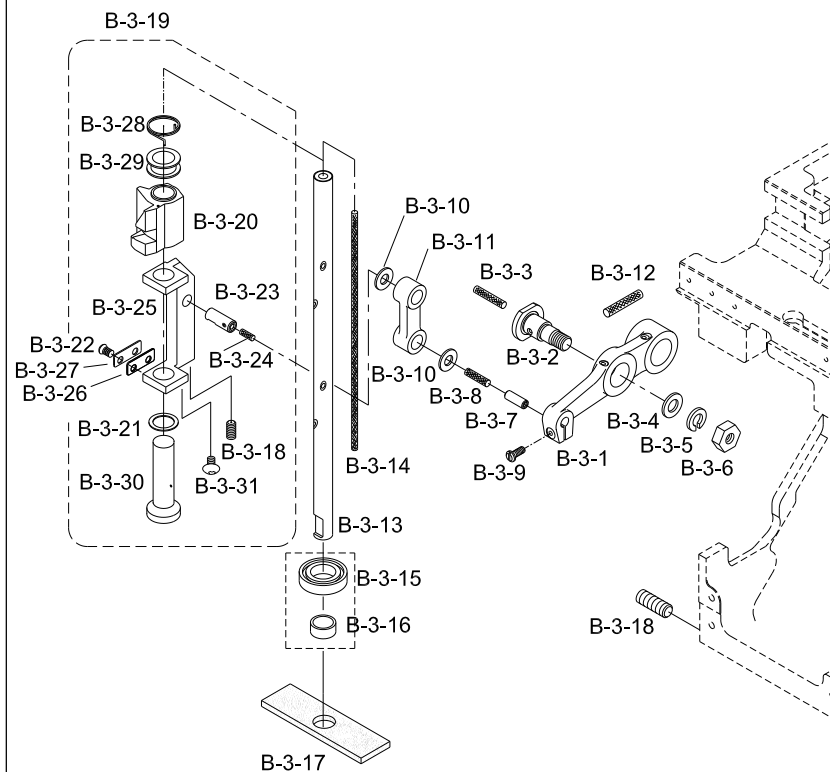
- B-2-1**: The main rectangular housing or frame.
- B-2-2**: A cylindrical component with a flange, positioned to be inserted into the housing.
- B-2-3**: A small, circular component with a central protrusion, located between the main housing and the cylindrical part.
- B-2-4**: A ring-like component with a textured outer edge, positioned around the central part of the assembly.
- B-2-5**: A circular plate with multiple holes, positioned behind the ring component.
- B-2-6**: A small screw or fastener used to secure the circular plate.
- B-2-7**: A small, rectangular component positioned at the top of the circular plate.

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

Note

B

B-3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
B-3-1	GP-020913-00	Needle Bar Drive Lever	Aug.26.06	X		30	
	GP-020913-01	Needle Bar Drive Lever	Nov.14.06	△		30	
B-3-2	03023SC-A001	Connecting Rod Stud				30	
B-3-3	-	Wick				30	
B-3-4	03025SW-1211	Washer (@6)			○	30	
B-3-5	03026SW-9115	Spring Washer (@6)			○	30	
B-3-6	03027SN-A001	Stud Nut				30	
B-3-7	03303300H000	Lever Pin				30	
B-3-8	-	Wick				30	
B-3-9	02015SC-7113	Driving Lever Pin Screw				30	
B-3-10	03034SW-A001	Reciprocator Washer				60	
B-3-11	03003200A000	Needle Bar Drive Rink				30	
B-3-12	-	Wick				30	
B-3-13	GP-013117-00	Needle Bar Driving Shaft	Nov.07.05	X		30	
B-3-14	-	Wick				30	
B-3-15	03008000H000	Ball Bearing 689 (Ntn)			○	30	
B-3-16	03008100K000	Needle Bar Drive Bearing Bush				30	
B-3-17	03053SF-A001	Felt "B"				30	
B-3-18	03020SC-A001	Drive Pin Screw 11/64,N40,L8				60	
B-3-19	AS-004809-00	Needle Bar Reciprocator Set	Jun,08,06 ~	X		30	
	AS-004809-01		Nov,14,06 ~	△			
	AS-004809-02		Aug,22,08 ~	△			
B-3-20	GP-013756-00	Needle Bar Reciprocator	Dec.14.05	X		30	
B-3-21	03048SW-A001	Reciprocator Washer				30	
B-3-22	03040SC-A001	Stopper Bracket Screw				60	
B-3-23	03033CW-A001	Driver Pin				30	
B-3-24	-	Wick				30	
B-3-25	GP-013762-00	Needle Driving Shaft Driver	Dec.14.05	X		30	
	GP-013762-01	Needle Driving Shaft Driver	Jul.25.08	△		30	
	GP-013762-02	Needle Driving Shaft Driver	Dec.03.08	△		30	
	GP-013762-03	Needle Driving Shaft Driver	Feb.20.09	△		30	
B-3-26	03041PR-B001	Reciprocator Stopper				30	
B-3-27	03039PR-B001	Stopper Bracket				30	
B-3-28	03045SP-B001	Jump Spring				30	
B-3-29	03046CW-B001	Jump Spring Guide				30	
B-3-30	GP-013587-00	Needle Bar Driving Shaft Bush	Dec.05.05	X		30	
	GP-013587-01	Needle Bar Driving Shaft Bush	Feb.20.09	△		30	
B-3-31	03006MC-3123	Truss Screw (M3*L6)			○	30	

B

17

B-5

This exploded view diagram illustrates the assembly of the B-5 component. The main assembly is shown on the left, with a dashed box indicating the location of the B-5-1 and B-5-2 components. The B-5-1 and B-5-2 components are shown in the center, with B-5-4 and B-5-3 components attached to B-5-1. The B-5-5 component is shown to the right of B-5-2, with B-5-6 attached to it. The B-5-11 component is shown below B-5-1, with B-5-12 attached to it. The B-5-13 and B-5-14 components are shown to the left of B-5-11. The B-5-7 component is shown below B-5-11, with B-5-10, B-5-9, and B-5-8 components attached to it. The B-5-15 and B-5-16 components are shown at the bottom of the diagram.

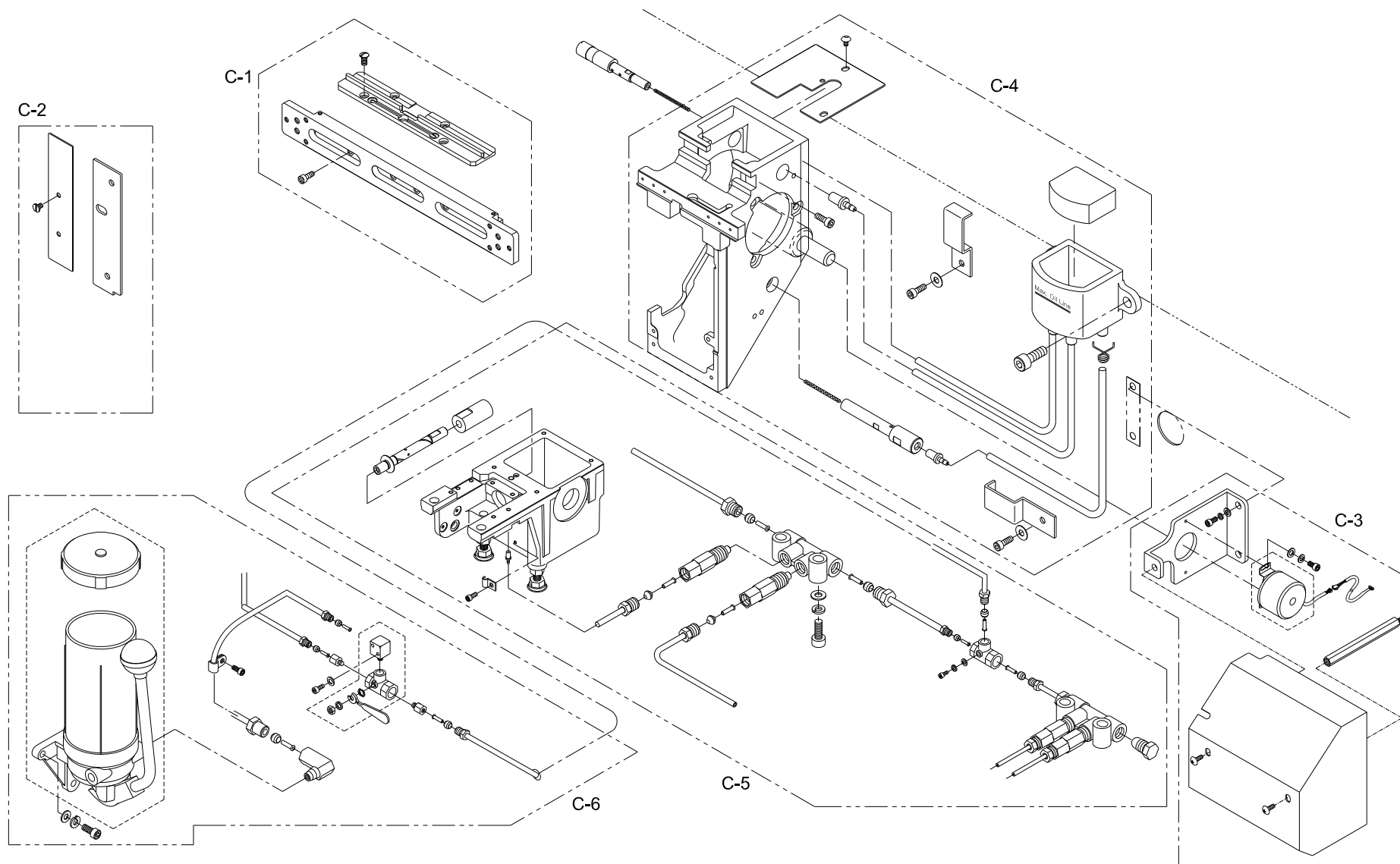
Note

B

Note

B

Arm 2



C-1

Diagram illustrating the assembly components and their relative positions:

- C-1-1**: Main base plate.
- C-1-2**: Screws used for assembly.
- C-1-3**: Intermediate mounting plate.
- C-1-4**: Screws used for assembly.
- C-1-5**: Top plate component.
- C-1-6**: Screws used for assembly.

Note

[illegible]

C-2

The diagram illustrates the assembly of the C-2 component. It shows three individual parts: C-2-1, a vertical rectangular plate with two circular holes; C-2-2, a vertical rectangular plate with two circular holes and a central oval slot; and C-2-3, a small cylindrical pin. These parts are shown in an exploded view relative to the main unit, which is a complex, multi-faceted structure with various internal components and mounting points. The main unit is shown in a dashed-line perspective view, indicating its internal structure and the locations where the individual parts are to be installed.

Note



C-3

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

- C-3-1**: A cylindrical component, likely a motor or actuator, with a cable attached.
- C-3-2**: A small screw or fastener.
- C-3-3**: A small screw or fastener.
- C-3-4**: A small screw or fastener.
- C-3-5**: A bracket or mounting plate.
- C-3-6**: A small screw or fastener.
- C-3-7**: A small screw or fastener.
- C-3-8**: A small screw or fastener.
- C-3-9**: A cable or wire.
- C-3-10**: A large, angled rectangular component, possibly a housing or base.
- C-3-11**: A long, thin cylindrical component, likely a light tube or sensor.
- C-3-12**: A small screw or fastener.

The diagram shows the assembly sequence: C-3-1 is mounted to C-3-5 using C-3-2, C-3-3, and C-3-4. C-3-5 is then mounted to C-3-10 using C-3-6, C-3-7, and C-3-8. C-3-9 is connected to C-3-1. Finally, C-3-11 is attached to C-3-10 using C-3-12.

Note

C

Note

[illegible]

This exploded view diagram illustrates the assembly of the C-5000 Series Control Valve. The components are labeled as follows:

- C-5-1**: Main valve body assembly.
- C-5-2**: O-ring seal.
- C-5-3**: Plug with O-ring.
- C-5-4**: Plug with O-ring.
- C-5-5**: Plug with O-ring.
- C-5-6**: Plug with O-ring.
- C-5-7**: Plug with O-ring.
- C-5-8**: Plug with O-ring.
- C-5-9**: Plug with O-ring.
- C-5-10**: Plug with O-ring.
- C-5-11**: Plug with O-ring.
- C-5-12**: Plug with O-ring.
- C-5-13**: Plug with O-ring.
- C-5-14**: Plug with O-ring.
- C-5-15**: Plug with O-ring.
- C-5-16**: Plug with O-ring.
- C-5-17**: Plug with O-ring.
- C-5-18**: Plug with O-ring.
- C-5-19**: Plug with O-ring.
- C-5-20**: Plug with O-ring.
- C-5-21**: Plug with O-ring.
- C-5-22**: Plug with O-ring.
- C-5-23**: Plug with O-ring.
- C-5-24**: Plug with O-ring.
- C-5-25**: Plug with O-ring.
- C-5-26**: Plug with O-ring.

Note

C

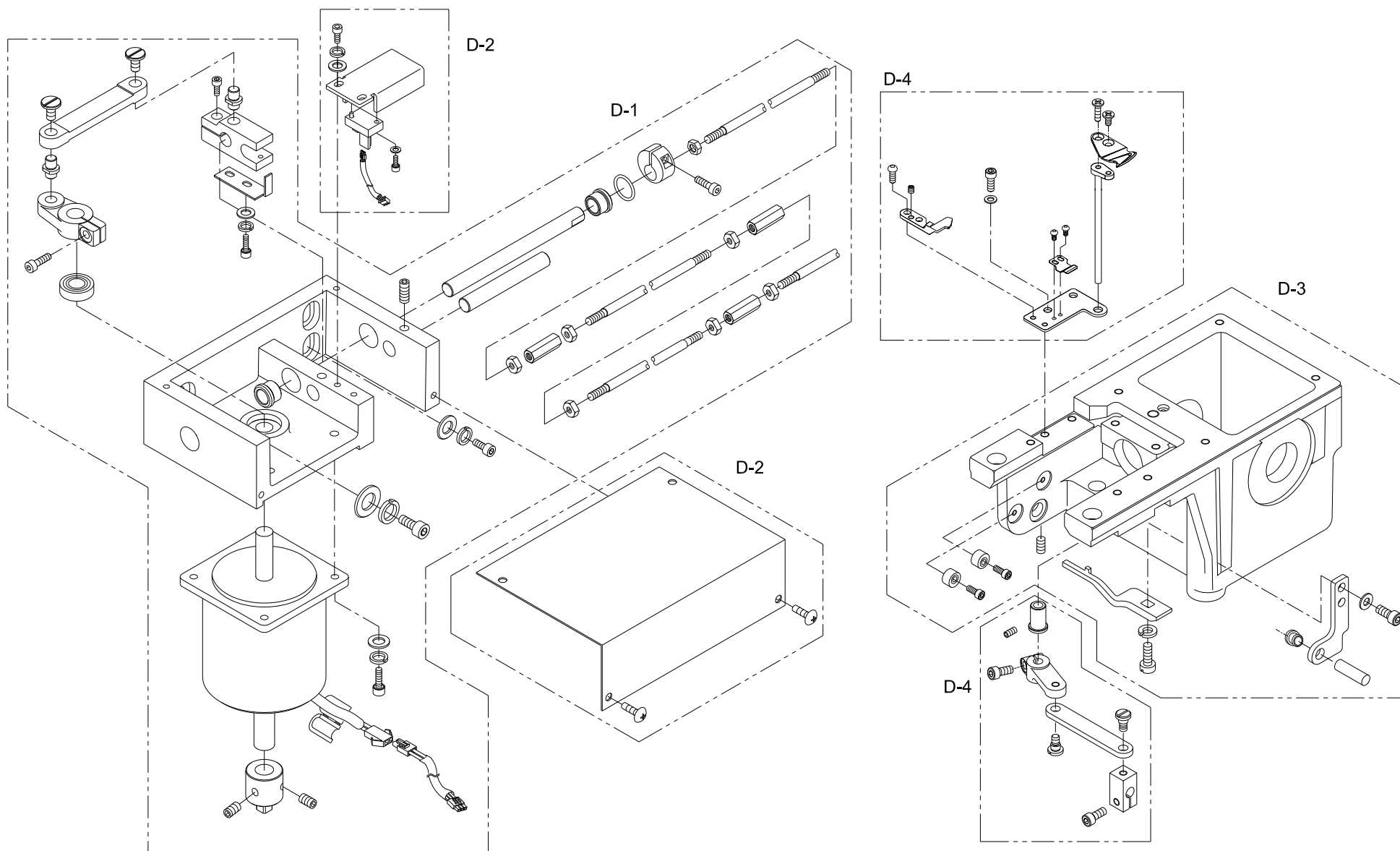
This diagram illustrates the assembly of the C-6 engine. The main engine body is shown on the left, with a dashed line indicating the location of the C-6-1 component (a circular cover). To the right, a detailed exploded view shows the assembly of the C-6-12 component (a valve assembly). The components are labeled as follows:

- C-6-1: Circular cover
- C-6-2: Bolt
- C-6-3: Bolt
- C-6-4: Bolt
- C-6-5: Bolt
- C-6-6: Bolt
- C-6-7: Bolt
- C-6-8: Bolt
- C-6-9: Bolt
- C-6-10: Bolt
- C-6-11: Bolt
- C-6-12: Valve assembly
- C-6-13: Bolt
- C-6-14: Bolt
- C-6-15: Bolt
- C-6-16: Bolt
- C-6-17: Bolt
- C-6-18: Bolt
- C-6-19: Bolt
- C-6-20: Bolt

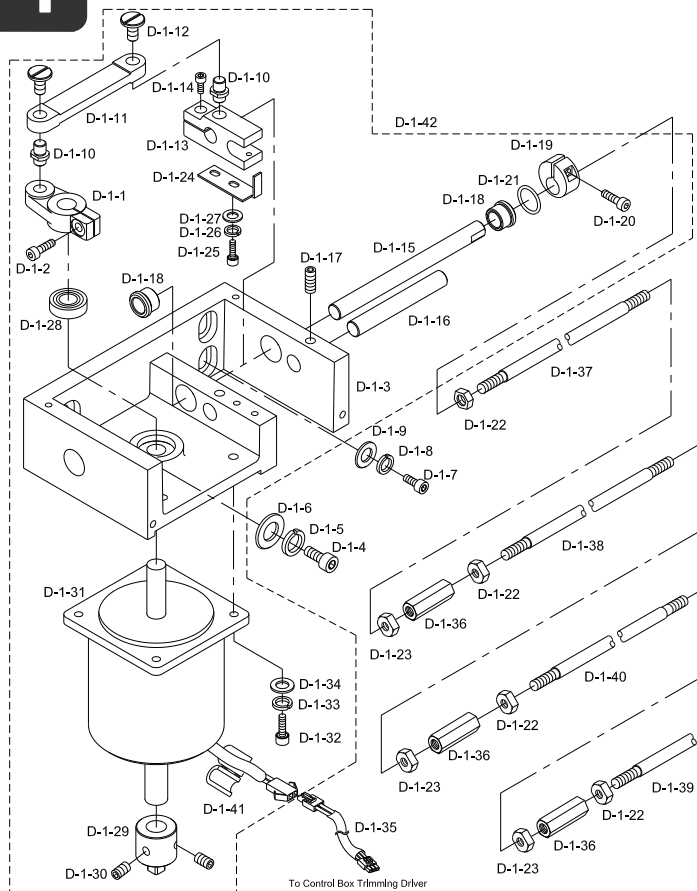
Note	
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C

Thread Cutting Set



D-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
D-1-1	04001100BT00	MES DRIVING CRANK				1	
D-1-2	14002SC-7113	Hex.Socket Bolt (M6*L15)			○	1	
D-1-3	03700100BT00	MES CAM DRIVING BOX				1	
D-1-4	14003SC-4113	Hex. Socket Bolt (M8*L25)			○	1	
D-1-5	15095SW-3115	Spring Washer (@8)			○	1	
D-1-6	04029SW-A001	Stud Bolt Washer (@8)			○	1	
D-1-7	06025MC-7113	Hex. Socket Bolt (M6*L25)			○	2	
D-1-8	03026SW-9115	Spring Washer (@6)			○	2	
D-1-9	03025SW-1211	Washer (@6)			○	2	
D-1-10	03700300H000	Mes Link Pin				2	
D-1-11	03700400H000	Mes Driving Link				1	
D-1-12	03700500H000	Mes Driving Link Screw				2	
D-1-13	03700600H000	Mes Shaft Driving Clamp				1	
D-1-14	08062SC-7113	Hex. Socket Bolt (M5*L20)			○	1	
D-1-15	03700700H000	Mes Driving Shaft (@10*L121)				1	
D-1-16	03700800H000	Mes Driving Shaft Guide				1	
D-1-17	14060AF-4517	Hex.Socket Screw(M6*L6)			○	1	
D-1-18	03701100H000	Mes Driving Shaft Bush				2	
D-1-19	08065CW-A001	Stopper Collar				1	
D-1-20	18047SC-7113	Hex. Socket Bolt (M5*L15)			○	1	
D-1-21	08067RB-A001	O-Ring (@10)			○	1	
D-1-22	13042SN-1111	Hex. Nut (M6*T5-R)			○	4	
D-1-23	17053SN-1111	Hex. Nut (M6*T5-L)			○	3	
D-1-24	GP-015265-00	Limit Sensor Plate	Feb.15.06	X		1	
	GP-015265-01	Limit Sensor Plate	May.12.06	△		1	
D-1-25	07035SC-7113	BRACKET SCREW (M3*L6)			○	2	
D-1-26	11019SW-9115	Spring Washer (@3)			○	2	
D-1-27	06011SW-2111	Washer (@3)			○	2	
D-1-28	03701000H000	Ball Bearing (6001Z)			○	1	
D-1-29	03701200BT00	MOTOR DRIVING NOB				1	
D-1-30	14060AF-4517	Hex.Socket Screw(M6*L6)			○	2	
D-1-31	16059MT-E131	Y MOTOR (103H8222-5212)				1	
D-1-32	18047SC-7113	Hex. Socket Bolt (M5*L15)			○	4	
D-1-33	18048SW-3115	SPRING WASHER (5@)			○	4	
D-1-34	18049SW-3111	WASHER (@5)			○	4	
D-1-35	CA-000334-00	STEP MOTOR DRIVE POWER	Jul.16.05	X		1	
	CA-000334-01	STEP MOTOR DRIVE POWER	Nov.17.05	△		1	

D-1

To Control Box Trimming Driver

Note

D

D-2

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

- D-2-1**: The main rectangular housing.
- D-2-2**, **D-2-3**, and **D-2-4**: Screws used to secure the top cover.
- D-2-5**: A small rectangular component that fits into the top of the housing.
- D-2-6** and **D-2-7**: Screws used to secure the component D-2-5.
- D-2-10**: A cable with a connector, labeled **CN7(To Joint Board)**.
- D-2-8**: The front panel of the unit.
- D-2-9**: Screws used to secure the front panel to the main housing.

The diagram shows the front panel (D-2-8) being attached to the main housing (D-2-1) using screws (D-2-9). The top cover is secured with screws (D-2-2, D-2-3, D-2-4). The internal component (D-2-5) is secured with screws (D-2-6, D-2-7). The cable (D-2-10) is connected to the joint board via connector CN7.

Note

D

This diagram shows an exploded view of a mechanical assembly. The main component is a rectangular metal housing with a central cutout and various mounting points. The following parts are shown in their relative positions for assembly:

- D-3-1**: A L-shaped bracket that fits into the bottom of the housing.
- D-3-2**: A long threaded bolt that passes through the bracket and housing.
- D-3-3**: A washer that sits between the bracket and the housing.
- D-3-4**: A short threaded bolt that passes through the housing.
- D-3-5**: A nut that threads onto the end of D-3-4.
- D-3-6**: A washer that sits between the nut and the housing.
- D-3-7**: A short threaded bolt that passes through the housing.
- D-3-8**: A short threaded bolt that passes through the housing.
- D-3-9**: A nut that threads onto the end of D-3-8.
- D-3-10**: A L-shaped bracket that fits into the side of the housing.

Note

D

D-4

This diagram illustrates the assembly of the D-4 engine, showing the main engine block and various components being installed. The components are labeled as follows:

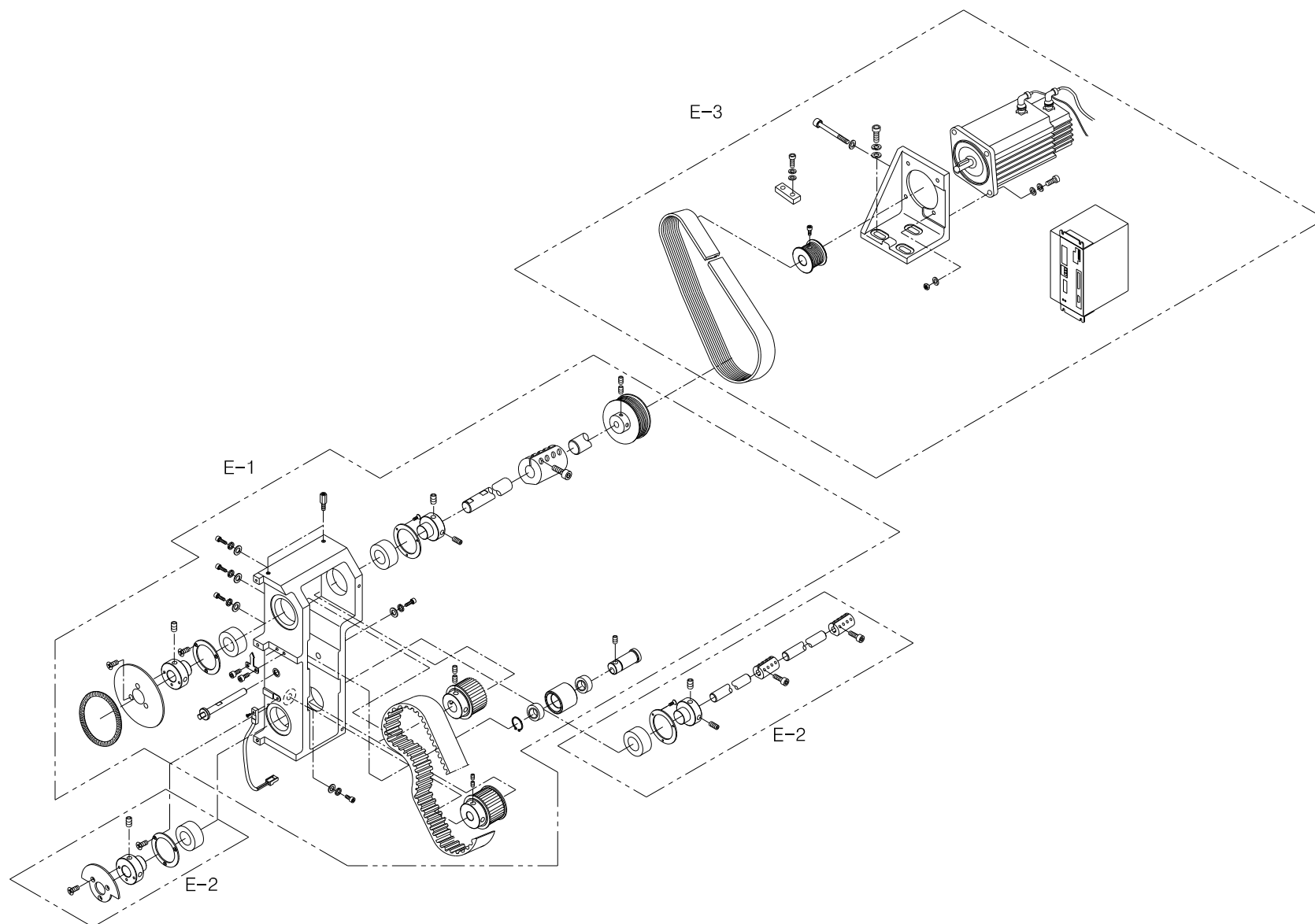
- D-4-1: Main engine block
- D-4-2: Bolt
- D-4-3: Washer
- D-4-4: Bracket
- D-4-5: Bolt
- D-4-6: Nut
- D-4-7: Bolt
- D-4-8: Washer
- D-4-9: Bolt
- D-4-10: Bolt
- D-4-11: Bolt
- D-4-12: Nut
- D-4-13: Bolt
- D-4-14: Washer
- D-4-15: Bolt
- D-4-16: Bolt
- D-4-17: Bolt
- D-4-18: Bolt
- D-4-19: Bolt
- D-4-20: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

The diagram shows the main engine block with various mounting points. The components are shown being installed into the block, with dashed lines indicating the assembly path. The components are labeled with their respective part numbers, and the diagram is titled "D-4".

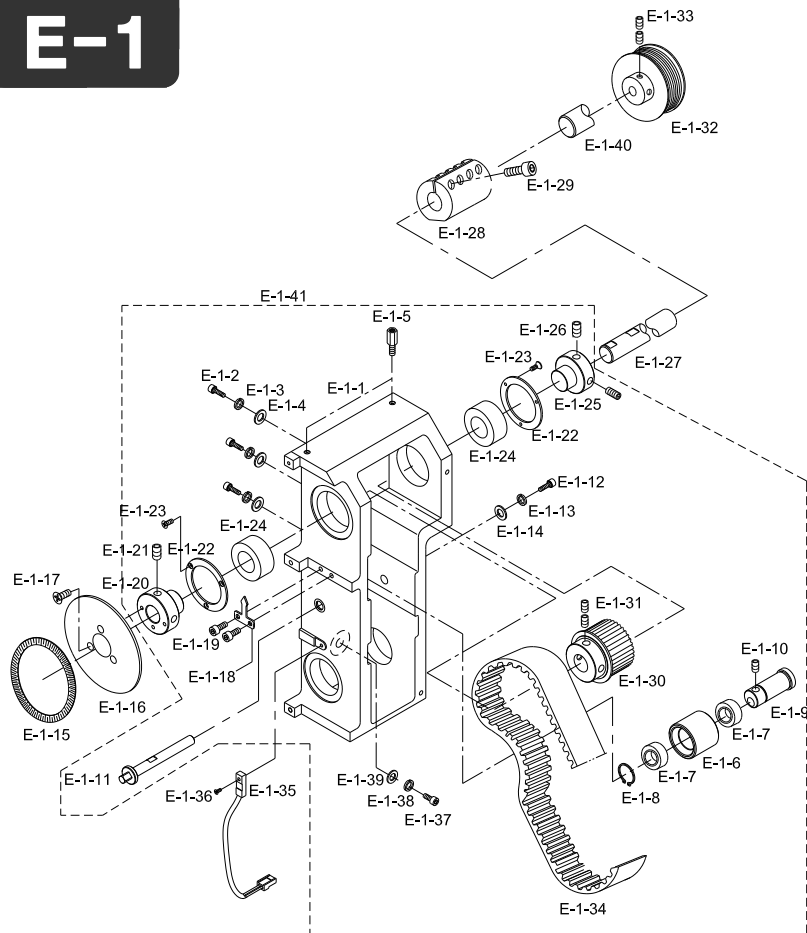
Note

D

Main Drive System



E-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
E-1-1	GP-020802-00	MAIN DRIVING PULLEY BOX	Aug.23.06	X		1	
	GP-020802-01	MAIN DRIVING PULLEY BOX	Sep.13.06	△		1	
	GP-020802-02	MAIN DRIVING PULLEY BOX	Mar.12.08	△		1	
	GP-020802-03	MAIN DRIVING PULLEY BOX	May.15.08	△		1	
E-1-2	03003SC-4113	Pulley Box Screw [M8×L35]			○	1	
E-1-3	15095SW-3115	Pulley Box Spring Washer [Ø8]			○	1	
E-1-4	04029SW-A001	Pulley Box Washer [Ø8]			○	1	
E-1-5	GP-010263-00	Pulley Box Cover Stud	Jun.28.05	X		2	
E-1-6	03200400I000	ROLLER BEARING				2	
E-1-7	03200300I000	Tension Adjusting Roller				1	
E-1-8	03200700I000	C-Ring (#20)			○	1	
E-1-9	03200600I000	Idler Bush				1	
E-1-10	04004MC-4517	Hex.Socket Bolt (M4×L4)			○	1	
E-1-11	03200500I000	Idler Shaft				1	
E-1-12	14006SC-7113	Hex.Socket Bolt (M8×L10)			○	1	
E-1-13	04029SW-A001	Washer (Ø8)			○	1	
E-1-14	15095SW-3115	Spring Washer (Ø8)			○	1	
E-1-15	03005600H000	ANGLE DISK				1	
E-1-16	03005710H000	Angle Plate Base @20			○	1	
E-1-17	21002SC-8119	Plus Screw (M3-L8)			○	3	
E-1-18	03005800H000	Indicator				1	
E-1-19	02023SC-7113	Hex.Socket Bolt (M4×L8)			○	1	
E-1-20	03201100I000	Bearing Cover "B" @20				1	
E-1-21	14060AF-4517	Hex.Socket Screw(M6×L6)			○	1	
E-1-22	12101000I000	Bearing Cover (A)				1	
E-1-23	08006SC-8118	Hex.Socket Screw (M3xL5)			○	1	
E-1-24	01001100H000	Ball Bearing (6005Zz)			○	4	
E-1-25	03005210H000	Collar "A"				1	
E-1-26	14060AF-4517	Hex.Socket Screw(M6×L6)			○	4	
E-1-27	GP-006655-00	Top Shaft "A" [225mm]	Dec.29.04	X		1	
E-1-28	GP-037209-00	COUPLING @20	Feb,25,08 ~	X		4	
	GP-037209-01		Dec,23,08 ~	△			
E-1-29	08091SC-7113	Hex.Socket Bolt (M6×L20)			○	16	
E-1-30	GP-014274-00	Pulley for Upper Shaft Ass'y	Jan.04.06	X		1	
	GP-014274-01	Pulley for Upper Shaft Ass'y	Dec.23.08	△		1	
E-1-31	14061AF-4517	Hex.Socket Screw(M8×L8)			○	1	
E-1-32	GP-021251-00	Top Shaft Drive Pulley	Sep.05.06	X		1	
E-1-33	03016SC-4113	Hex.Socket Screw(M5×L15)			○	4	

E-1

Exploded view diagram of a mechanical assembly, likely a washing machine drum, showing various components labeled E-1-1 through E-1-39. The diagram includes a central housing (E-1-1) with a drum (E-1-15) and a motor assembly (E-1-28). Other components include a pulley (E-1-32), a belt (E-1-34), and various screws and bolts (E-1-2, E-1-3, E-1-4, E-1-11, E-1-12, E-1-13, E-1-14, E-1-18, E-1-19, E-1-20, E-1-21, E-1-22, E-1-23, E-1-24, E-1-25, E-1-26, E-1-27, E-1-29, E-1-30, E-1-31, E-1-33, E-1-35, E-1-36, E-1-37, E-1-38, E-1-39).

Note



E-2

This exploded view diagram illustrates the assembly of the E-2 engine. The main components are shown in a perspective view, with dashed lines indicating the assembly sequence. The components are labeled as follows:

- E-1-41: Main engine block
- E-2-1: Piston and connecting rod assembly
- E-2-2: Piston pin
- E-2-3: Piston pin clip
- E-2-4: Piston pin clip
- E-2-5: Piston pin clip
- E-2-6: Piston pin clip
- E-2-7: Piston pin clip
- E-2-8: Piston pin clip
- E-2-9: Piston pin clip
- E-2-10: Piston pin clip
- E-2-11: Piston pin clip
- E-2-12: Piston pin clip
- E-2-13: Piston pin clip
- E-2-14: Piston pin clip
- E-2-15: Piston pin clip
- E-2-16: Main engine block
- E-2-17: Piston pin clip
- E-2-18: Piston pin clip
- E-2-19: Piston pin clip

Note



E-3

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

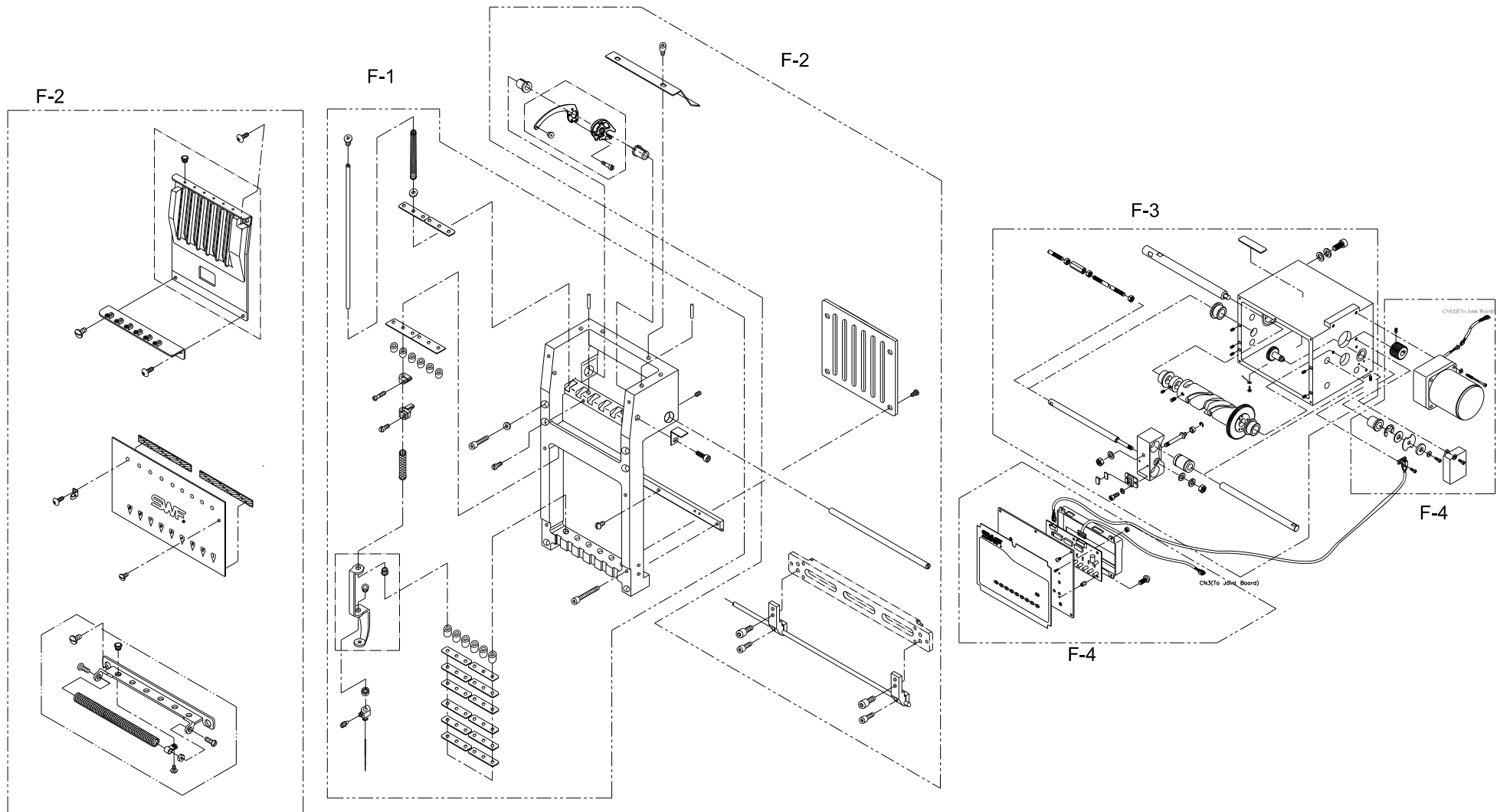
- E-3-1**: Main rectangular unit with a fan on the left side.
- E-3-2**: Small screw.
- E-3-3**: Small screw.
- E-3-4**: Small screw.
- E-3-5**: Small screw.
- E-3-6**: Small screw.
- E-3-7**: Small screw.
- E-3-8**: Small screw.
- E-3-9**: Small screw.
- E-3-10**: Small screw.
- E-3-11**: Small screw.
- E-3-12**: Small screw.
- E-3-13**: Small screw.
- E-3-14**: Small screw.
- E-3-15**: Small screw.
- E-3-16**: Small screw.
- E-3-17**: Small screw.
- E-3-18**: Small screw.
- E-3-19**: Large, curved, ribbed component, likely a fan or filter.

The diagram shows the assembly sequence for the E-3 unit, with components E-3-2 through E-3-19 being installed into the main unit E-3-1. The large curved component E-3-19 is shown separately, indicating it is a separate assembly step.

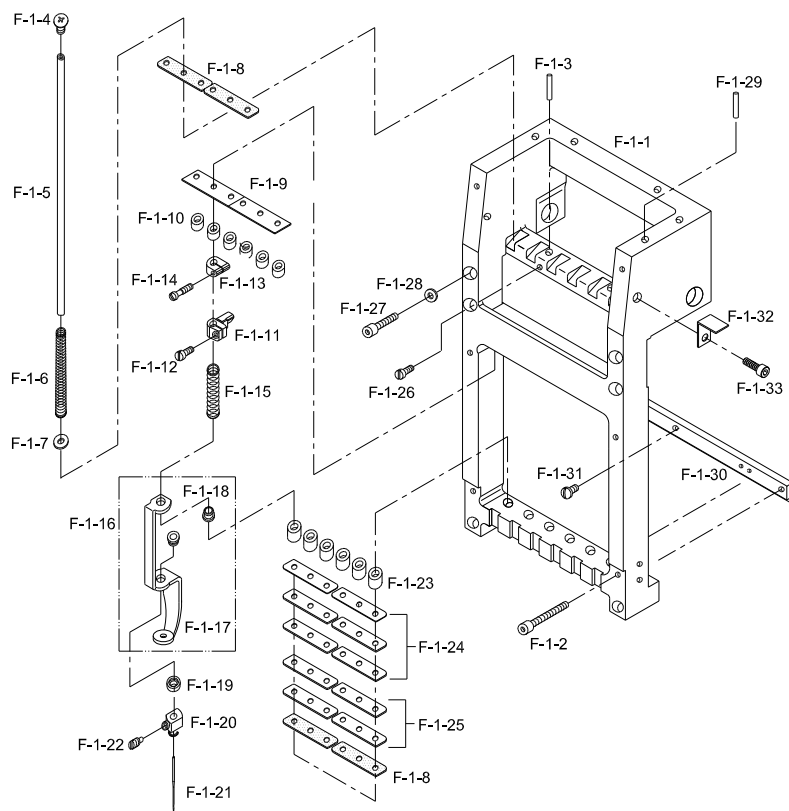
Note



Head & Color Change



F-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-1-1	GP-014935-00	Head	Feb.01.06	X		30	
	GP-014935-01	Head	Nov.14.06	△		30	
	GP-014935-02	Head	Mar.26.07	△		30	
	GP-014935-03	Head	Nov.02.07	△		30	
	GP-014935-04	Head	Sep.11.08	△		30	
	GP-014935-05	Head	Nov.03.08	△		30	
F-1-2	05014SC-7113	Hex. Socket Bolt (M4*L25)			○	60	
F-1-3	05015CW-A001	Head Base Pin (@5*L15)			○	30	
F-1-4	05019SC-A001	Needle Bar Cover Screw (M5*L6)			○	270	
F-1-5	GP-011929-00	Needle Bar	Sep.14.05	X		270	
F-1-6	GP-007216-00	Needle Bar Return Spring	Jan.21.05	X		270	
	GP-007216-01	Needle Bar Return Spring	Sep.02.05	△		270	
F-1-7	05022SW-A001	Spring Shoe Washer				270	
F-1-8	05021SF-A001	Felt				180	
F-1-9	05023RB-A001	Needle Bar Cushion Rubber "A"				90	
F-1-10	05024RB-A001	Needle Bar Cushion Rubber "B"				270	
F-1-11	05027FU-A001	Needle Bar Holder				270	
F-1-12	05028SC-4113	Holder Screw (9/64-L8)				270	
F-1-13	11101200T000	Upper Dead Point Stopper				270	
F-1-14	05026SC-4113	Stopper Screw (9/64-11.5)				270	
F-1-15	GP-020915-00	Presser Foot Pressure Spring	Aug.26.06	X		270	
	GP-020915-01	Presser Foot Pressure Spring	May.03.07	△		270	
F-1-16	AS-006751-00	Presser Foot Set	May.04.07	X		270	
F-1-17	GP-029864-00	Presser Foot	May.02.07	X		270	
F-1-18	05031AF-A001	Presser Foot Guide Bush				480	
F-1-19	05035RB-A001	Presser Foot Cushion Rubber "A"				270	
F-1-20	05036AF-A001	Needle Fixed Holder				270	
F-1-21	05037DB-A001	Needle (Db-K5, #11)			○	270	
F-1-22	05363SC-A001	Needle Fixed Screw (A/S)				270	
F-1-23	05032RB-A001	Presser Foot Cushion Rubber "B"				270	
F-1-24	05033RB-A001	Presser Foot Adjusting Rubber				270	
F-1-25	05034RB-A001	Presser Foot Adjusting Rubber				180	
F-1-26	03022SC-4517	Hex. Socket Set Screw (M4*L5)			○	30	
F-1-27	05008SC-4113	Hex. Socket Bolt (M4*L16)			○	60	
F-1-28	06003SW-2111	Washer (@4)			○	120	
F-1-29	01303700H000	Tension Plate Pin				60	
F-1-30	GP-014928-00	Head Rail (6c)	Feb.01.06	X		30	

F-1

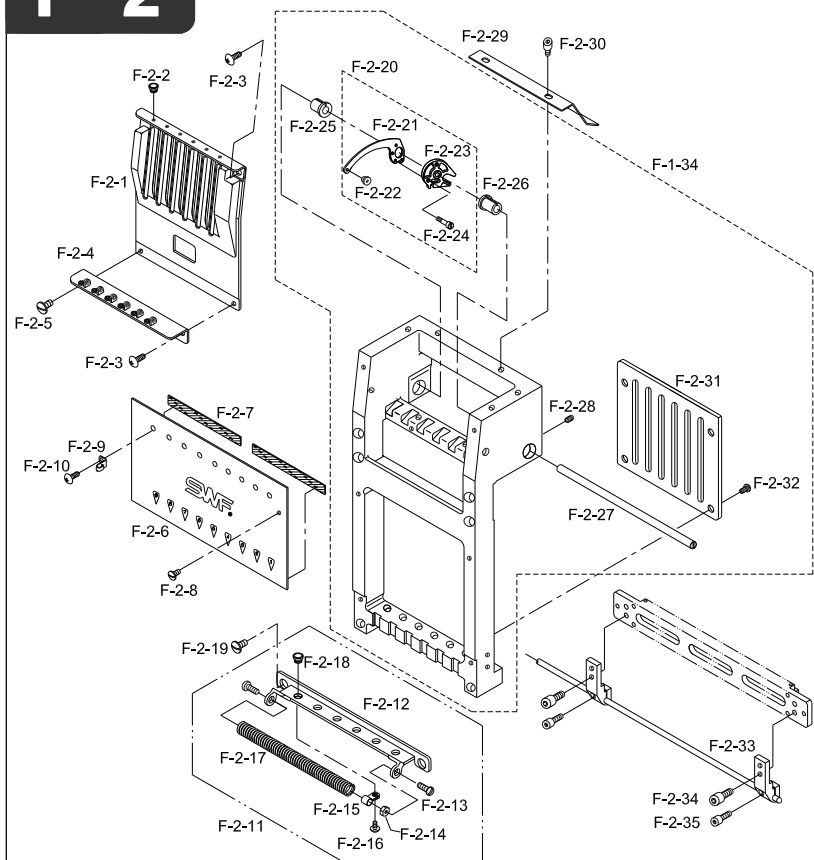
This exploded view diagram illustrates the assembly of the F-1 unit. The components are labeled as follows:

- F-1-1**: Main vertical frame structure.
- F-1-2**: A long threaded rod with a nut and washer.
- F-1-3**: A small vertical pin or rod.
- F-1-4**: A long threaded rod with a nut and washer.
- F-1-5**: A long threaded rod with a nut and washer.
- F-1-6**: A coiled spring.
- F-1-7**: A small circular component, possibly a cap or plug.
- F-1-8**: A horizontal plate with four mounting holes.
- F-1-9**: A horizontal plate with four mounting holes.
- F-1-10**: A small circular component, possibly a cap or plug.
- F-1-11**: A small circular component, possibly a cap or plug.
- F-1-12**: A coiled spring.
- F-1-13**: A small circular component, possibly a cap or plug.
- F-1-14**: A small circular component, possibly a cap or plug.
- F-1-15**: A coiled spring.
- F-1-16**: A small circular component, possibly a cap or plug.
- F-1-17**: A small circular component, possibly a cap or plug.
- F-1-18**: A small circular component, possibly a cap or plug.
- F-1-19**: A small circular component, possibly a cap or plug.
- F-1-20**: A small circular component, possibly a cap or plug.
- F-1-21**: A small circular component, possibly a cap or plug.
- F-1-22**: A small circular component, possibly a cap or plug.
- F-1-23**: A small circular component, possibly a cap or plug.
- F-1-24**: A horizontal plate with four mounting holes.
- F-1-25**: A horizontal plate with four mounting holes.
- F-1-26**: A small circular component, possibly a cap or plug.
- F-1-27**: A small circular component, possibly a cap or plug.
- F-1-28**: A small circular component, possibly a cap or plug.
- F-1-29**: A small circular component, possibly a cap or plug.
- F-1-30**: A horizontal plate with four mounting holes.
- F-1-31**: A small circular component, possibly a cap or plug.
- F-1-32**: A small circular component, possibly a cap or plug.
- F-1-33**: A small circular component, possibly a cap or plug.

Note

[illegible]

F-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-2-1	10200102H000	Head Face Plate (U)				30	
F-2-2	GP-029521-00	Eyelet "A"	Apr.27.07	X		180	
F-2-3	05070SC-3123	Head Face Plate (U) Screw				60	
F-2-4	AS-000483-00	THREAD GUIDE (M) SET	Jun.23.04	X		30	
	AS-000483-01	THREAD GUIDE (M) SET	May.10.07	△		30	
	AS-000483-02	THREAD GUIDE (M) SET	Jun.18.07	△		30	
	AS-000483-03	THREAD GUIDE (M) SET	Dec.11.08	△		30	
	AS-000483-04	THREAD GUIDE (M) SET	Jan.30.09	△		30	
	AS-000483-05	THREAD GUIDE (M) SET	Feb.17.09	△		30	
	AS-000483-06	THREAD GUIDE (M) SET	Jan.26.10	△		30	
	AS-000483-07	THREAD GUIDE (M) SET	Aug.13.10	△		30	
F-2-5	05062SC-A001	Thread Guide (L) Screw				30	
F-2-6	GP-014769-00	Head Face Plate (L)	Jan.23.06	X		30	
	GP-014769-01	Head Face Plate (L)	Apr.06.06	△		30	
	GP-014769-02	Head Face Plate (L)	Jun.12.06	△		30	
	GP-014769-03	Head Face Plate (L)	Jun.11.08	△		30	
	GP-014769-04	Head Face Plate (L)	Apr.06.09	△		30	
F-2-7	05063RB-A001	Magnetic Rubber "B"	Nov.07.06	X		60	
F-2-8	05070SC-3123	Thread Guide (L) Screw	Jul.20.05	X		30	
F-2-9	11012PR-B001	Thread Guide				270	
F-2-10	09005SC-3123	Hex.Socket Bolt(M4*L10)			○	270	
F-2-11	AS-005680-00	Thread Guide(L) Set				30	
F-2-12	GP-010763-00	Thread Guide (L) 6C				30	
F-2-13	096440C-8119	Spring Adjusting Screw				60	
F-2-14	096440N-3211	Spring Adjusting Nut (9/64,N40)				60	
F-2-15	10400304B000	Spring Holder				30	
F-2-16	05060SC-8118	Screw (M3*L3)			○	30	
F-2-17	GP-010771-00	Thread Hook Spring (6C)				30	
F-2-18	GP-029521-00	Eyelet "A"				180	
F-2-19	05070SC-3123	Thread Guide (L) Screw				60	
F-2-20	07005BM-T121	Take-Up Lever Set				270	
F-2-21	05033PR-T121	Take-Up Lever				270	
F-2-22	07102CM-A001	Eyelet "C"				270	
F-2-23	05035PM-T121	Take-Up Lever Boss				270	
F-2-24	07003SC-A001	Take-Up Lever Screw				480	
F-2-25	08203000A000	Take-Up Lever Shaft Bush(L)				30	
F-2-26	08200800A000	Take-Up Lever Shaft Bush(R)				30	
F-2-27	08200602A000	Take-Up Lever Shaft (6C)				30	
F-2-28	07009SC-4517	Hex.Socket Set Screw (M5*L6)				30	

F-2

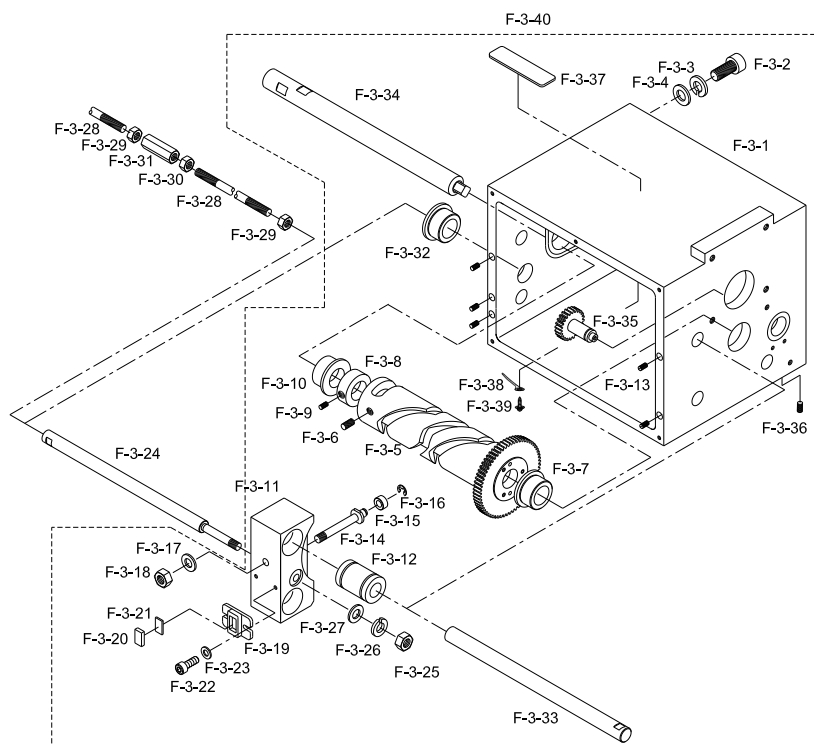
This exploded view diagram illustrates the assembly of the F-2 control panel. The components are labeled as follows:

- F-1-34**: Main control panel frame.
- F-2-1**: Top panel with vertical slats.
- F-2-2**: Screw for F-2-1.
- F-2-3**: Screws for F-2-1.
- F-2-4**: Bottom panel with screws.
- F-2-5**: Screws for F-2-4.
- F-2-6**: Panel with "SWF" logo and indicator lights.
- F-2-7**: Panel with indicator lights.
- F-2-8**: Screw for F-2-6.
- F-2-9**: Screw for F-2-10.
- F-2-10**: Panel with indicator lights.
- F-2-11**: Spring component.
- F-2-12**: Bar component.
- F-2-13**: Screws for F-2-12.
- F-2-14**: Screws for F-2-12.
- F-2-15**: Screws for F-2-12.
- F-2-16**: Screws for F-2-12.
- F-2-17**: Spring component.
- F-2-18**: Screw for F-2-12.
- F-2-19**: Screw for F-2-12.
- F-2-20**: Panel with indicator lights.
- F-2-21**: Panel with indicator lights.
- F-2-22**: Panel with indicator lights.
- F-2-23**: Panel with indicator lights.
- F-2-24**: Panel with indicator lights.
- F-2-25**: Panel with indicator lights.
- F-2-26**: Panel with indicator lights.
- F-2-27**: Panel with indicator lights.
- F-2-28**: Panel with indicator lights.
- F-2-29**: Panel with indicator lights.
- F-2-30**: Panel with indicator lights.
- F-2-31**: Panel with indicator lights.
- F-2-32**: Panel with indicator lights.
- F-2-33**: Panel with indicator lights.
- F-2-34**: Panel with indicator lights.
- F-2-35**: Panel with indicator lights.

Note

[illegible]

F-3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-3-1	GP-020677-00	Color Change Box 6,9C	Aug.21.06	X		1	
	GP-020677-01	Color Change Box 6,9C	Sep.18.08	△		1	
	GP-020677-02	Color Change Box 6,9C	Mar.24.09	△		1	
F-3-2	03003SC-4113	Hex. Socket Bolt "B" (M8*L35)			○	4	
F-3-3	15095SW-3115	Spring Washer (@8)			○	4	
F-3-4	04029SW-A001	Stud Bolt Washer (@8)			○	4	
F-3-5	AS-001377-00	Color Change Cam Ass'Y	Oct.21.04	X		1	
	AS-001377-01	Color Change Cam Ass'Y	Sep.23.08	△		1	
	AS-001377-02	Color Change Cam Ass'Y	Dec.18.08	△		1	
F-3-6	14060AF-4517	HEX.SOCKET SCREW(M6*L6)			○	4	
F-3-7	13008GA-A001	Color Change Cam Gear				1	
F-3-8	13012CW-A001	Cam Collar				1	
F-3-9	04016AF-A001	Cam Collar Screw				2	
F-3-10	08101100B000	Cam Bushing				2	
F-3-11	13034AD-A001	Color Change Block				1	
F-3-12	13035BR-A001	Guide Bushing				2	
F-3-13	03020SC-A001	Drive Pin Screw (11/64,N40,L8)				5	
F-3-14	13040CW-A001	Roller Shaft				1	
F-3-15	13043CW-A001	Roller				1	
F-3-16	13044SR-4013	E-Ring (@4)			○	1	
F-3-17	08057SW-1111	Washer (@6)			○	1	
F-3-18	13042SN-1111	Hex. Nut (M6*T5-R)			○	1	
F-3-19	13036PR-A001	Magnet Holder				1	
F-3-20	10-027C-SC53	Magnet				1	
F-3-21	08106200B000	Magnet Holder Spacer				1	
F-3-22	22006SC-7113	HEX. SOCKET BOLT (M3*L8)			○	2	
F-3-23	06011SW-2111	Washer (@3)			○	2	
F-3-24	17055SH-A005	COLOR CHANGE SHAFT "A"				1	
	17054SH-AB00	COLOR CHANGE SHAFT "A"				1	
F-3-25	13042SN-1111	Hex. Nut (M6*T5-R)				1	
F-3-26	03026SW-9115	Spring Washer (@6)			○	1	
F-3-27	03025SW-1211	Washer (@6)			○	1	
F-3-28	GP-004633-00	COLOR CHANGE SHAFT "B"(L1938.5)	Sep.08.04	X		1	
	GP-004634-00	COLOR CHANGE SHAFT "C" (L=1192)	Sep.08.04	X		1	
	17067SH-AE00	COLOR CHANGE SHAFT "B" (L=1192)				1	
	GP-004635-00	COLOR CHANGE SHAFT "D"(L=1889.5)	Sep.08.04	X		1	
F-3-29	13042SN-1111	Hex. Nut (M6*T5-R)			○	3	

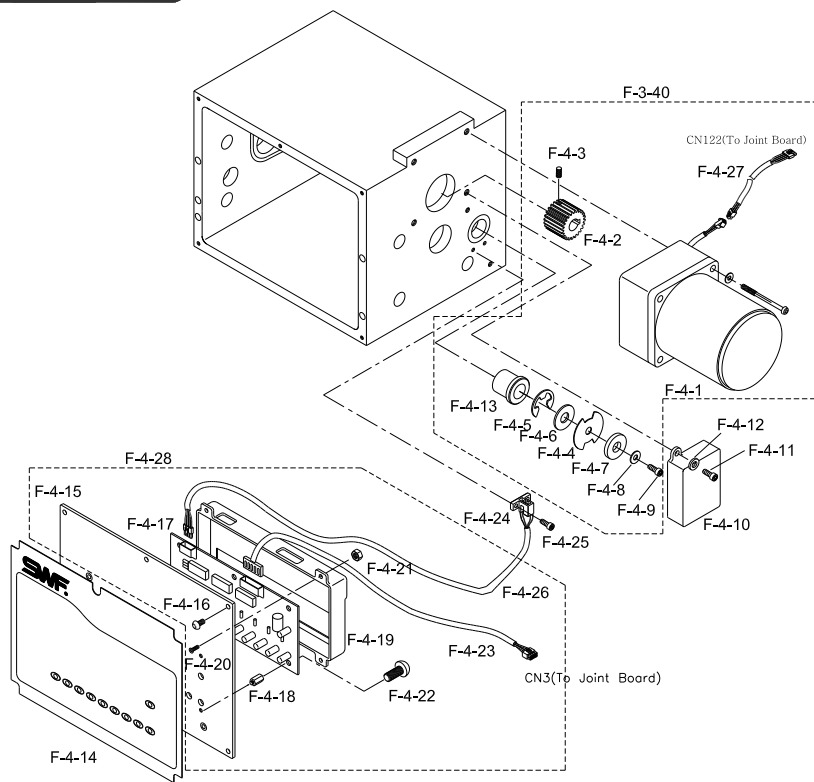
This diagram illustrates the exploded view of a mechanical assembly, showing the relationship between various components. The parts are labeled as follows:

- F-3-1**: Main rectangular housing or frame.
- F-3-2**: Small cylindrical component, possibly a pin or plug.
- F-3-3**: Small cylindrical component, possibly a pin or plug.
- F-3-4**: Small cylindrical component, possibly a pin or plug.
- F-3-5**: Long cylindrical component with a central shaft.
- F-3-6**: Small cylindrical component, possibly a pin or plug.
- F-3-7**: Small cylindrical component, possibly a pin or plug.
- F-3-8**: Small cylindrical component, possibly a pin or plug.
- F-3-9**: Small cylindrical component, possibly a pin or plug.
- F-3-10**: Small cylindrical component, possibly a pin or plug.
- F-3-11**: Small cylindrical component, possibly a pin or plug.
- F-3-12**: Small cylindrical component, possibly a pin or plug.
- F-3-13**: Small cylindrical component, possibly a pin or plug.
- F-3-14**: Small cylindrical component, possibly a pin or plug.
- F-3-15**: Small cylindrical component, possibly a pin or plug.
- F-3-16**: Small cylindrical component, possibly a pin or plug.
- F-3-17**: Small cylindrical component, possibly a pin or plug.
- F-3-18**: Small cylindrical component, possibly a pin or plug.
- F-3-19**: Small cylindrical component, possibly a pin or plug.
- F-3-20**: Small cylindrical component, possibly a pin or plug.
- F-3-21**: Small cylindrical component, possibly a pin or plug.
- F-3-22**: Small cylindrical component, possibly a pin or plug.
- F-3-23**: Small cylindrical component, possibly a pin or plug.
- F-3-24**: Long cylindrical component, possibly a shaft or rod.
- F-3-25**: Small cylindrical component, possibly a pin or plug.
- F-3-26**: Small cylindrical component, possibly a pin or plug.
- F-3-27**: Small cylindrical component, possibly a pin or plug.
- F-3-28**: Small cylindrical component, possibly a pin or plug.
- F-3-29**: Small cylindrical component, possibly a pin or plug.
- F-3-30**: Small cylindrical component, possibly a pin or plug.
- F-3-31**: Small cylindrical component, possibly a pin or plug.
- F-3-32**: Small cylindrical component, possibly a pin or plug.
- F-3-33**: Long cylindrical component, possibly a shaft or rod.
- F-3-34**: Long cylindrical component, possibly a shaft or rod.
- F-3-35**: Small cylindrical component, possibly a pin or plug.
- F-3-36**: Small cylindrical component, possibly a pin or plug.
- F-3-37**: Small cylindrical component, possibly a pin or plug.
- F-3-38**: Small cylindrical component, possibly a pin or plug.
- F-3-39**: Small cylindrical component, possibly a pin or plug.

Note

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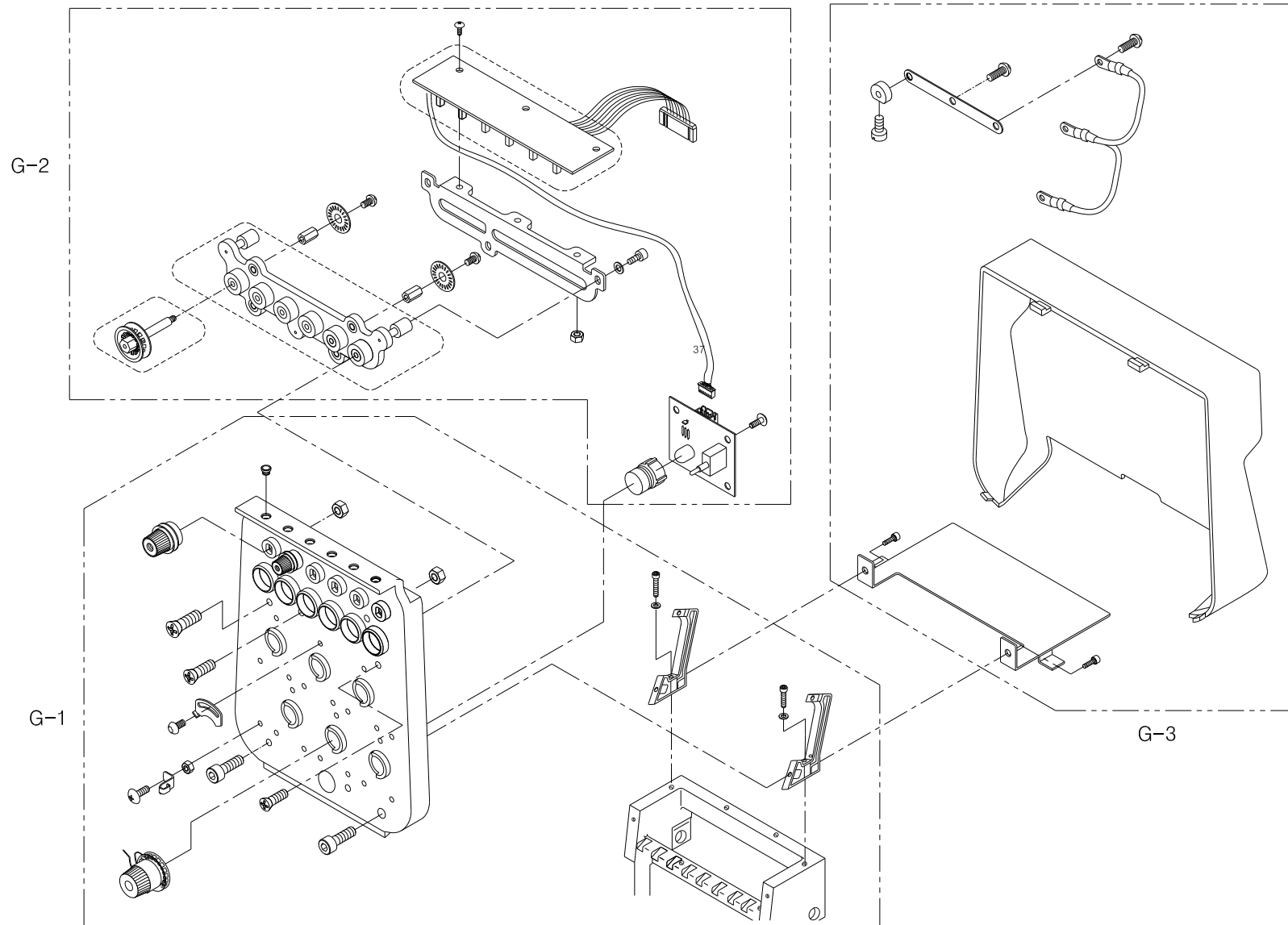
F-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
F-4-1	13028MT-A001	Color Change Motor Unit				1	
F-4-2	08102900B000	Motor Gear				1	
F-4-3	13030SC-4517	Hex. Socket Set Screw (M4*L8)			○	1	
F-4-4	GP-005248-00	Half Turn Film	Oct.21.04	X		1	
	GP-005248-01	Half Turn Film	Dec.18.08	△		1	
F-4-5	08044SR-4013	E-Ring (@8)			○	1	
F-4-6	13018PR-A001	Half Turn Film Washer "A" (T2.3)				1	
F-4-7	13019PR-A001	Half Turn Film Washer "B" (T1)				1	
F-4-8	18015SW-3111	WASHER (4@)			○	1	
F-4-9	02023SC-7113	HEX.SOCKET BOLT (M4*L8)			○	1	
F-4-10	13025PM-A001	Sensor Cover				1	
F-4-11	02015SC-7113	HEX.SOCKET BOLT(M4*L10)			○	2	
F-4-12	18015SW-3111	Washer (4@-S)			○	2	
F-4-13	08101500B000	Half Turn Bushing				2	
F-4-14	GP-029899-00	Membrane Switch	May.03.07	X		1	
F-4-15	13053PR-A005	Membrane Switch Cover 6,9C				1	
F-4-16	03006MC-9123	TRUSS SCREW(M3*L6) SUS				5	
F-4-17	07-001A-SW60	Color Change Board 6C				1	
	02-001A-UI12	Color Change Board 9C				1	
F-4-18	GP-008534-00	Stud Bolt	Apr.08.05	X		6	
F-4-19	13060ET-A005	Board Cover 6,9C				1	
	02-001A-UI12	Color Change Board (9C)				1	
F-4-20	13061SC-8119	Plus Screw (M3*L10)			○	4	
F-4-21	05057SN-3211	Hex. Nut (M3)			○	4	
F-4-22	06010SC-8118	Plus Screw (M3*L4)			○	6	
F-4-23	CA-000411-00	Needle Position To Joint B/D	Aug.13.05	X		1	
	CA-000411-01	Needle Position To Joint B/D	Feb.08.06	△		1	
F-4-24	13023EL-A001	Half Turn Sensor				1	
F-4-25	15163SC-3123	Truss Screw (M3*L12)			○	2	
F-4-26	MH-20	Half Turn Sensor Cable				1	
F-4-27	CA-000328-00	Color Change Motor To Joint Board	Jul.16.05	X		1	
	CA-000328-01	Color Change Motor To Joint Board	Nov.17.05	△		1	
F-4-28	AS-000867-00	Color Change Box Cover Assy	Aug,16,04 ~	X		1	
	AS-000867-01		May,01,08 ~	△			

Thread Tension Unit



Note

[illegible]

G-2

Back

G-2-1

G-2-2

G-2-3

G-2-4

G-2-5

G-2-6

G-2-7

G-2-8

G-2-9

G-2-10

G-2-11

G-2-12

G-2-13

G-2-14

G-2-15

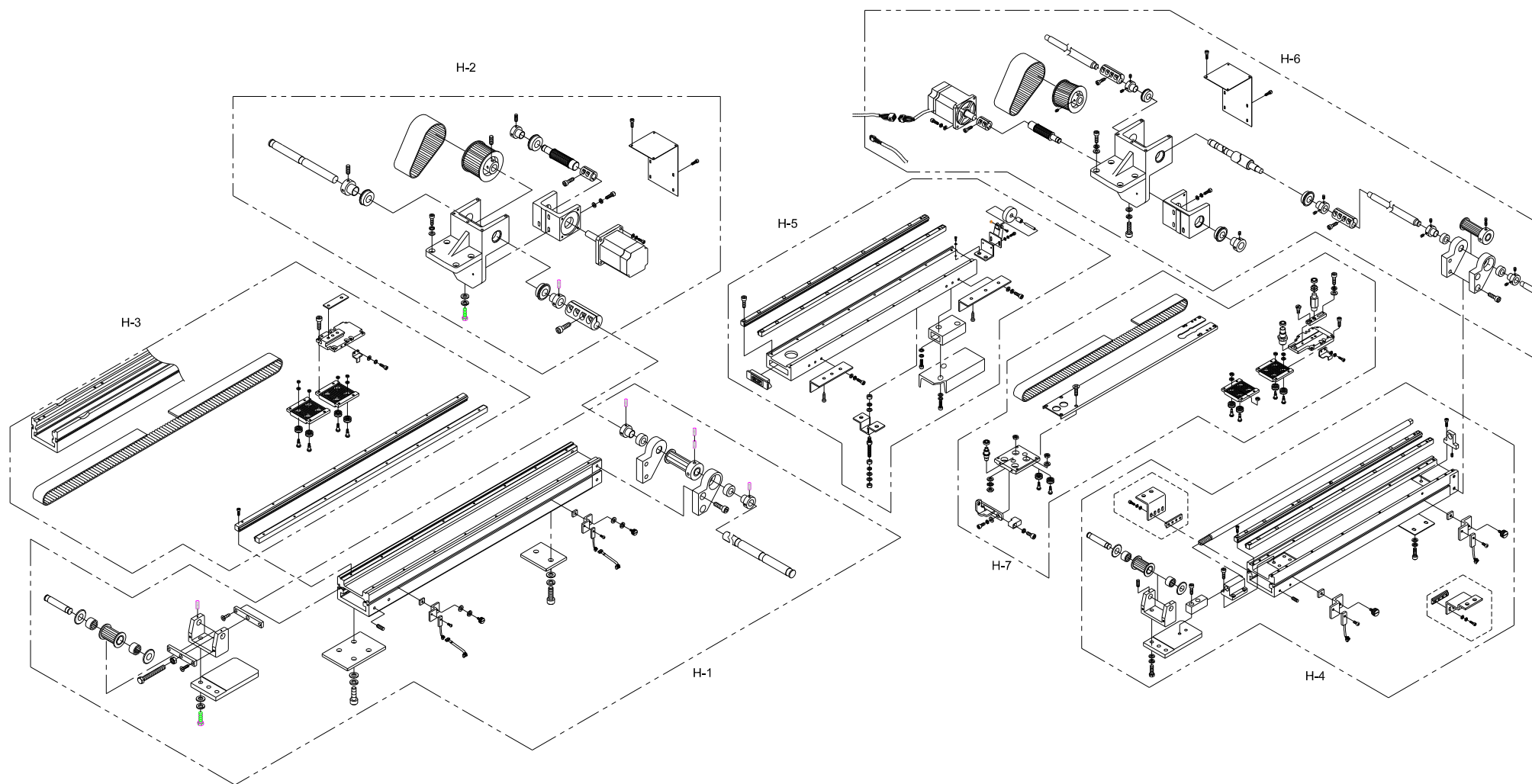
G-1-17

Note

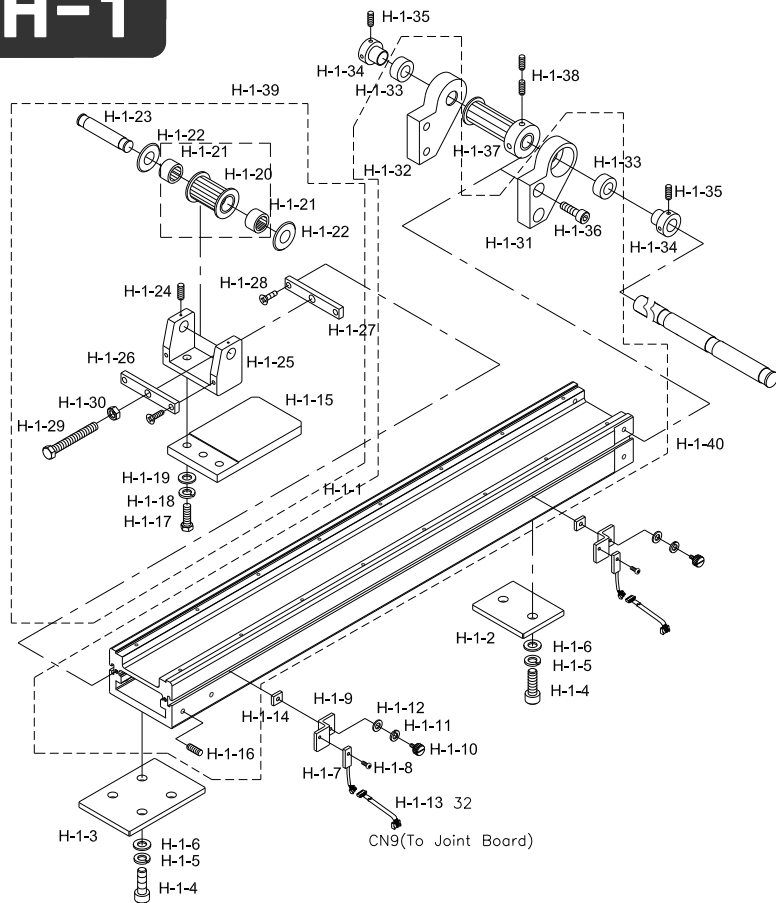
The logo of the German Society for Quality Management (DGQ) is a black square with rounded corners, containing a white capital letter 'G'.

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X-Y Axis Drive System



H-1



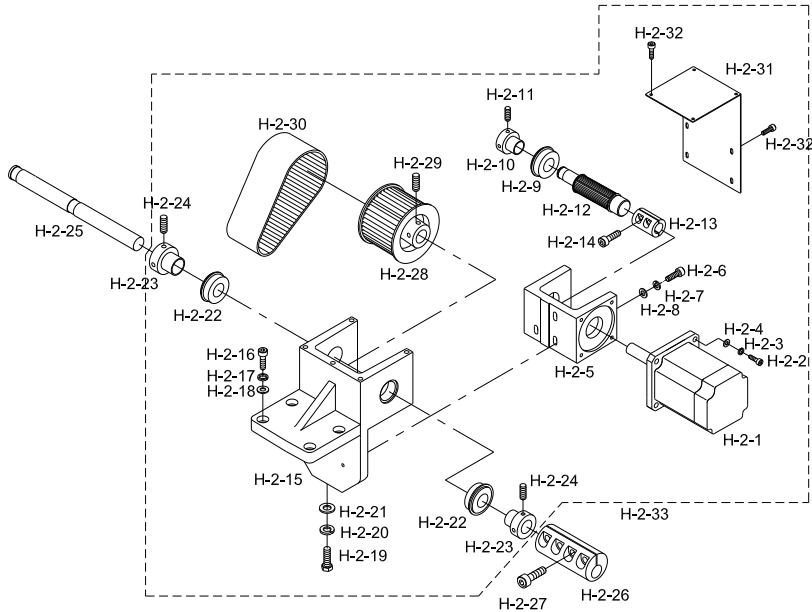
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-1-1	G(-003970-00	X Axis Frame	Aug.20.04	X		3	
H-1-2	04000100H000	X-Lm Guide Support Plate (A)				3	
H-1-3	04000200H000	X-Lm Guide Support Plate (B)				3	
H-1-4	15020SC-4113	Hex,Socket Bolt (M8*L50)			○	18	
H-1-5	15095SW-3115	Spring Washer (@8)			○	18	
H-1-6	04029SW-A001	Stud Bolt Washer(S) (@8)			○	18	
H-1-7	EP-000067-00	Xy-Sensor Assy	Dec.05.05	X		2	
H-1-8	15120SC-A001	Position Adjusting Screw				2	
H-1-9	GP-008035-00	Sensor Bracket (X,Y)	Mar.18.05	X		2	
	GP-008035-01	Sensor Bracket (X,Y)	Dec.21.06	△		2	
H-1-10	15120SC-A001	Position Adjusting Screw				2	
H-1-11	18014SW-3115	Spring Washer (@4-No2)			○	2	
H-1-12	06011SW-2111	Washer (@3)			○	2	
H-1-13		X-Sensor To Joint Board				1	
H-1-14	15121PR-A001	Square Washer				2	
H-1-15	04202400B000	Timing Pulley Bracket Fixing Plate				3	
H-1-16	14060AF-4517	Hex.Socket Screw(M6*L6)			○	6	
H-1-17	15028SC-1111	Hex. Bolt (M6*L20)			○	9	
H-1-18	03026SW-9115	Spring Washer (@6)			○	9	
H-1-19	08057SW-1111	Washer (@6)			○	9	
H-1-20	04700100B000	X-Follower Timing Pulley				3	
H-1-21	15042BR-A001	Needle Bearing (1210Zz)			○	6	
H-1-22	15046RB-A001	Fiber Washer(TW1225NTN)				6	
H-1-23	04104400B000	X-Follower Timing Pulley Shaft "B"				3	
H-1-24	03022SC-4517	Hex.Socket Bolt(M4*L5)			○	6	
H-1-25	04000640I000	TIMING PULLEY BRACKET (C)				3	
H-1-26	15055PR-A001	Tension Rivet Plate (W) W:48				3	
H-1-27	15056PR-A001	Tension Plate (W) (Belt:48)				3	
H-1-28	15089SC-7119	C.S Screw (M4*L12)			○	12	
H-1-29	15058SC-1211	Hex. Bolt (M6*L58)			○	3	
H-1-30	14064SN-7311	Hex.Nut (M6-No3)			○	3	
H-1-31	04000650I000	TIMING PULLEY BRACKET (L)				3	
H-1-32	04000660I000	TIMING PULLEY BRACKET (R)				3	
H-1-33	04000630I000	BEARING (6905ZZ)			○	6	
H-1-34	04003500I000	NEEDLE BEARING COLLAR				6	
H-1-35	14060AF-4517	HEX.SOCKET SCREW(M6*L6)			○	12	
H-1-36	14002SC-7113	Hex.Socket Set Screw(M6*L15)			○	12	

Note

[illegible]

H-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-2-1	PMPE2-000001	X-Y Motor (P20B10100Dxs)				1	
H-2-2	08087SC-7113	Hex.Socket Bolt(M8*L25)			○	4	
H-2-3	15095SW-3115	Spring Washer (@8)			○	4	
H-2-4	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-2-5	GP-011473-00	X-Motor Bracket	Aug.30.05	X		1	
	GP-011473-01	X-Motor Bracket	Oct.24.06	△		1	
H-2-6	08087SC-7113	Hex.Socket Bolt(M8*L25)			○	3	
H-2-7	15095SW-3115	Spring Washer (@8)			○	3	
H-2-8	04029SW-A001	Stud Bolt Washer(S) (@8)			○	3	
H-2-9	02-009A-8180	Ball Bearing (6004NR)			○	1	
H-2-10	04003500B000	Bearing Stopper Collar "A"				1	
H-2-11	14060AF-4517	Hex.Socket Screw(M6*L6)			○	2	
H-2-12	04001600I000	X-Y Driving Shaft Timing Pulley				1	
H-2-13	04001700H000	Driving Shaft Coupling				1	
H-2-14	08091SC-7113	Hex.Socket Bolt(M6*L20)			○	2	
H-2-15	04001900I000	X Motor Base				1	
H-2-16	08087SC-7113	Hex.Socket Bolt(M8*L25)			○	4	
H-2-17	15095SW-3115	Spring Washer (@8)			○	4	
H-2-18	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-2-19	15019SC-4113	Hex. Socket Bolt (M8*L40)			○	1	
H-2-20	15095SW-3115	Spring Washer (@8)			○	1	
H-2-21	04029SW-A001	Stud Bolt Washer(S) (@8)			○	1	
H-2-22	02-009A-8180	Ball Bearing (6005NR)			○	2	
H-2-23	03005210H000	COLLAR "A"				2	
H-2-24	14060AF-4517	Hex.Socket Screw(M6*L6)			○	4	
H-2-25	04001000I004	X Driving Pulley Shaft				1	
H-2-26	GP-037209-00	COUPLING @20	Feb,25,08 ~	X		3	
	GP-037209-01		Dec,23,08 ~	△			
H-2-27	08091SC-7113	Hex.Socket Bolt(M6*L20)			○	12	
H-2-28	04100330I000	TIMMING PULLEY(72-S5M-050)				1	
H-2-29	14061AF-4517	Hex.Socket Screw(M8*L8)			○	8	
H-2-30	04100410I000	TIMMING BELT (50-S5M-475)				1	
H-2-31	12002000I000	X-Y Axis Servo Motor Cover				1	
H-2-32	18033SC-3123	Truss Screw (M5*L6)			○	8	
H-2-33	AS-008288-00	X-Motor Base	Feb,22,08 ~	X		1	

H-3

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

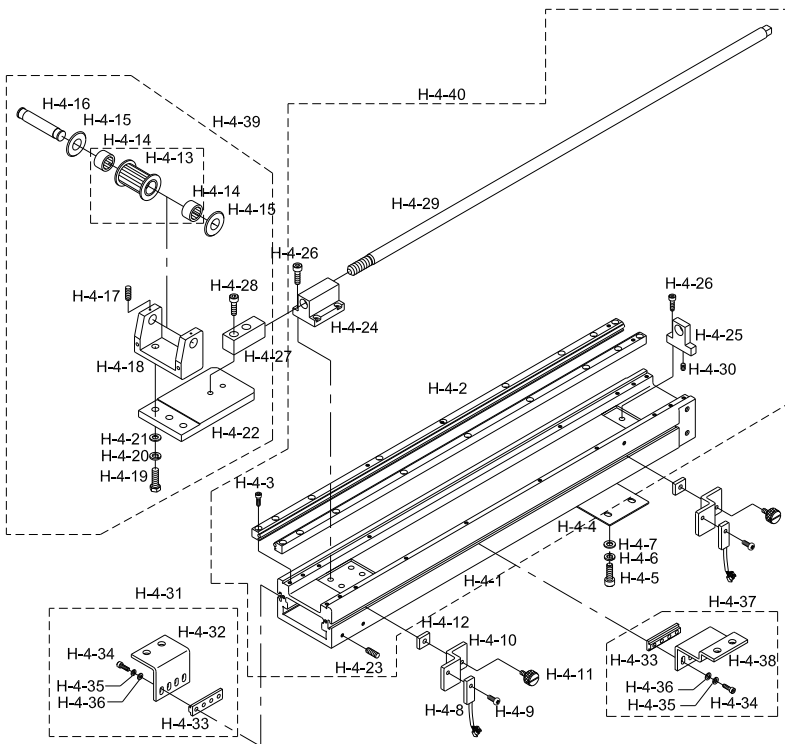
- H-3-1: Long horizontal rail with mounting holes.
- H-3-2: Small vertical pin or screw.
- H-3-3: Long horizontal rail with a textured, ribbed surface.
- H-3-4: Small rectangular plate with mounting holes.
- H-3-5: Small circular component, possibly a washer or spacer.
- H-3-6: Small circular component, possibly a washer or spacer.
- H-3-7: Small rectangular plate with mounting holes.
- H-3-8: Small circular component, possibly a washer or spacer.
- H-3-9: Small circular component, possibly a washer or spacer.
- H-3-10: Small rectangular plate with mounting holes.
- H-3-11: Small rectangular plate with mounting holes.
- H-3-12: Small vertical pin or screw.
- H-3-13: Small vertical pin or screw.
- H-3-14: Small rectangular plate with mounting holes.
- H-3-15: Small circular component, possibly a washer or spacer.
- H-3-16: Small circular component, possibly a washer or spacer.
- H-3-17: Small circular component, possibly a washer or spacer.
- H-3-18: Long horizontal rail with mounting holes.

The assembly sequence is indicated by the numbers in the diagram. The components are shown in an exploded view, allowing for a clear understanding of their relative positions and how they fit together.

Note



H-4

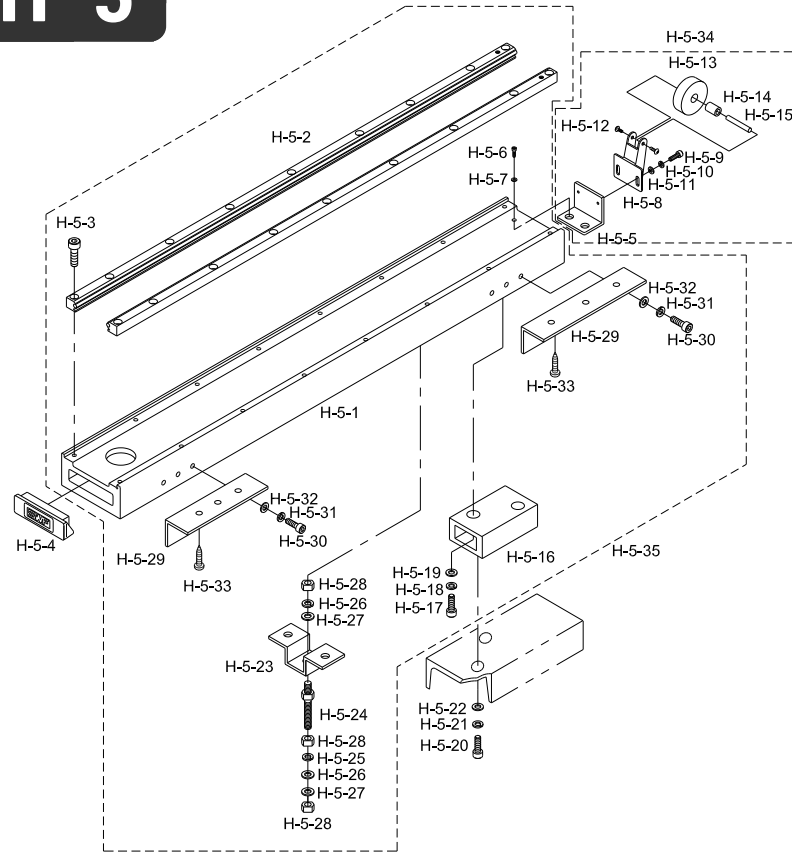


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-4-1	04200100I004	Y-Axis Frame L=638				6	
H-4-2	15030AD-B021	Y Cam Roller Guide Rail L=633				12	
H-4-3	04016MC-4113	CAM ROLLER GUIDE FIXED SCREW				30	
H-4-4	GP-010315-00	Y- Frame Support Plate	Jun.29.05	X		12	
H-4-5	15019SC-4113	Hex. Socket Bolt (M8*L40)			○	48	
H-4-6	15095SW-3115	Spring Washer (@8)			○	48	
H-4-7	04029SW-A001	Stud Bolt Washer(S) (@8)			○	48	
H-4-8	EP-000067-00	Xy-Sensor (TL-W3MC1)	Dec.05.05	X		2	
H-4-9	15020SC-A001	Plus Screw (M3*L8)				2	
H-4-10	GP-008035-00	Perception Sensor Bracket X,Y	Mar.18.05	X		2	
	GP-008035-01	Perception Sensor Bracket X,Y	Dec.21.06	△		2	
H-4-11	15120SC-A001	Position Adjusting Screw				2	
H-4-12	15056PR-B001	Square Washer				2	
H-4-13	04700100B000	Y-Drive Timing Pulley				6	
H-4-14	15042BR-A001	Needle Bearing (1210Zz)			○	12	
H-4-15	15046RB-A001	Driving Pin Washer (Tw1225)				12	
H-4-16	04104400B000	Timing Pulley Driving Pin				6	
H-4-17	03022SC-4517	Hex. Socket Set Screw (M4*L5)			○	12	
H-4-18	04000640I000	TIMING PULLEY BRACKET (C)				6	
H-4-19	15028SC-1111	Hex. Bolt (M6*L20)			○	18	
H-4-20	03026SW-9115	Spring Washer (@6)			○	18	
H-4-21	08057SW-1111	Washer (@6)			○	18	
H-4-22	GP-030533-00	Timing Pulley Tension Base(N)	May.21.07	X		6	
	GP-030533-01	Timing Pulley Tension Base(N)	Feb.18.09	△		6	
H-4-23	14060AF-4517	Hex.Socket Screw(M6*L6)			○	12	
H-4-24	15004CL-B001	Y Adjusting Shaft Guide (A)				6	
H-4-25	15005CL-B001	Y Adjusting Shaft Guide (B)				6	
H-4-26	16059SC-7113	Hex.Socket Bolt (M6*L12)			○	36	
H-4-27	15006CL-B001	Adjusting Shaft Stopper				6	
H-4-28	14006SC-7113	Hex.Socket Set Screw(M8*L15)			○	12	
H-4-29	15033CW-B001	Cam Roller Screw "B"				6	
H-4-30	14061AF-4517	Hex.Socket Screw(M8*L8)			○	6	
H-4-31	04910000B000	SUPPORT ANGLE FOR TABLE "A" (SET)				6	
H-4-32	15050PR-B041	SUPPORT ANGLE FOR TABLE "A"				6	
H-4-33	15052CW-B041	SUPPORT ANGLE BRACKET TABLE				12	
H-4-34	04010MC-7113	HEX.SOCKET BOLT (M4*L10)			○	64	
H-4-35	18014SW-3115	SPRING WASHER (@4-NO2)			○	64	

[illegible][illegible]

H-5



Note

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

H-5

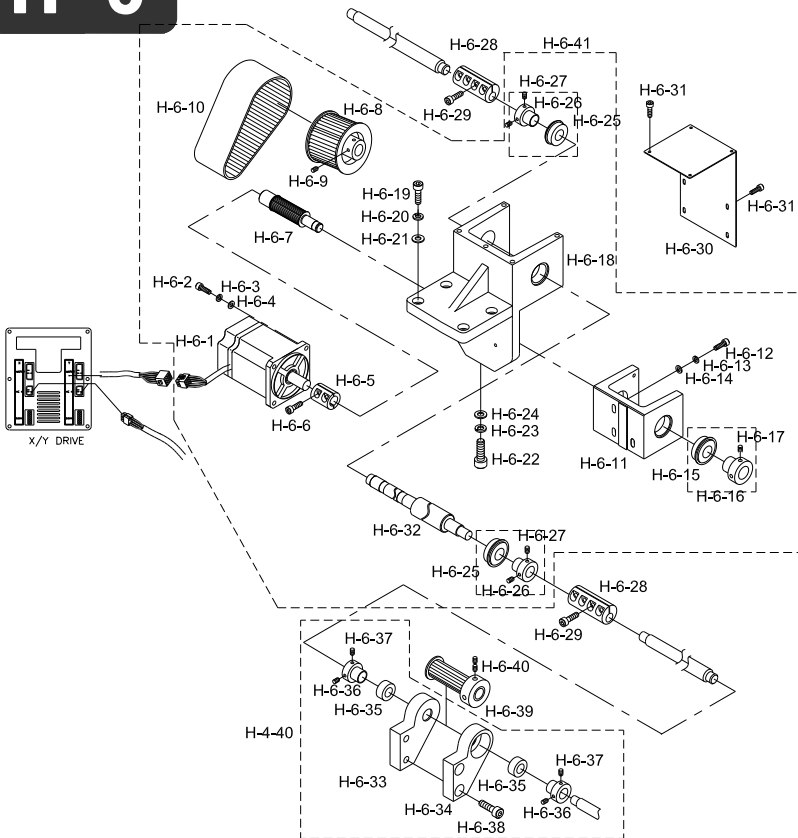
Exploded view diagram of the H-5 assembly, showing the following components and their assembly sequence:

- H-5-1**: Main horizontal rail.
- H-5-2**: Secondary horizontal rail.
- H-5-3**: Small vertical pin.
- H-5-4**: Small rectangular component.
- H-5-5**: L-shaped bracket.
- H-5-6**: Small vertical pin.
- H-5-7**: Small vertical pin.
- H-5-8**: Small rectangular component.
- H-5-9**: Small rectangular component.
- H-5-10**: Small rectangular component.
- H-5-11**: Small rectangular component.
- H-5-12**: Small rectangular component.
- H-5-13**: Small rectangular component.
- H-5-14**: Small rectangular component.
- H-5-15**: Small rectangular component.
- H-5-16**: Small rectangular component.
- H-5-17**: Small rectangular component.
- H-5-18**: Small rectangular component.
- H-5-19**: Small rectangular component.
- H-5-20**: Small rectangular component.
- H-5-21**: Small rectangular component.
- H-5-22**: Small rectangular component.
- H-5-23**: Small rectangular component.
- H-5-24**: Small rectangular component.
- H-5-25**: Small rectangular component.
- H-5-26**: Small rectangular component.
- H-5-27**: Small rectangular component.
- H-5-28**: Small rectangular component.
- H-5-29**: Small rectangular component.
- H-5-30**: Small rectangular component.
- H-5-31**: Small rectangular component.
- H-5-32**: Small rectangular component.
- H-5-33**: Small rectangular component.
- H-5-34**: Small rectangular component.
- H-5-35**: Small rectangular component.

Note



H-6



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-6-1	DMPE2-000001	Y-Driving Motor [SFAM-1000-003]				1	
H-6-2	06025MC-7113	Hex.Socket Bolt(M6*L25)			○	4	
H-6-3	15095SW-3115	Spring Washer (@8)			○	4	
H-6-4	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-6-5	04001700H000	Driving Shaft Coupling				1	
H-6-6	08091SC-7113	Hex.Socket Bolt(M6*L20)			○	2	
H-6-7	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)			○	8	
H-6-10	04100410I000	TIMMING BELT (50-S5M-475)				1	
H-6-11	GP-011474-00	Y-Motor Bracket	Aug.30.05	X		1	
	GP-011474-01	Y-Motor Bracket	Oct.24.06	△		1	
H-6-12	06025MC-7113	Hex.Socket Bolt(M6*L25)			○	3	
H-6-13	15095SW-3115	Spring Washer (@8)			○	3	
H-6-14	04029SW-A001	Stud Bolt Washer(S) (@8)			○	3	
H-6-15	02-009A-8180	BALL BEARING 6004NR				1	
H-6-16	04003500B000	Needle Bearing Collar				1	
H-6-17	14060AF-4517	Hex.Socket Set Screw(M5*L5)			○	2	
H-6-18	04002200I000	Y-MOTER BASE				1	
H-6-19	06025MC-7113	Hex.Socket Bolt(M6*L25)			○	4	
H-6-20	15095SW-3115	Spring Washer (@8)			○	4	
H-6-21	04029SW-A001	Stud Bolt Washer(S) (@8)			○	4	
H-6-22	15019SC-4113	Hex. Socket Bolt (M8*L40)			○	1	
H-6-23	15095SW-3115	Spring Washer (@8)			○	1	
H-6-24	04029SW-A001	Stud Bolt Washer(S) (@8)			○	1	
H-6-25	02-009A-8180	Ball Bearing 6004NR			○	2	
H-6-26	03005210H000	Collar "A"				2	
H-6-27	14060AF-4517	Hex.Socket Screw(M6*L6)			○	4	
H-6-28	GP-037209-00	COUPLING @20	Feb,25,08 ~			2	
	GP-037209-01		Dec,23,08 ~				
H-6-29	08091SC-7113	Hex.Socket Bolt(M6*L20)			○	8	
H-6-30	12002000I000	Y-Axis Servo Motor Cover A				1	
H-6-31	18033SC-3123	Truss Screw (M5*L6)			○	8	
H-6-32	04200200I000	Y-Driving Pulley Shaft				1	
H-6-33	04000650I000	TIMING PULLEY BRACKET (L)				6	
H-6-34	04000660I000	TIMING PULLEY BRACKET (R)				6	
H-6-35	04000630I000	Needle Bearing (Nk18/16A)			○	12	
H-6-36	04003500I000	NEEDLE BEARING COLLAR				12	

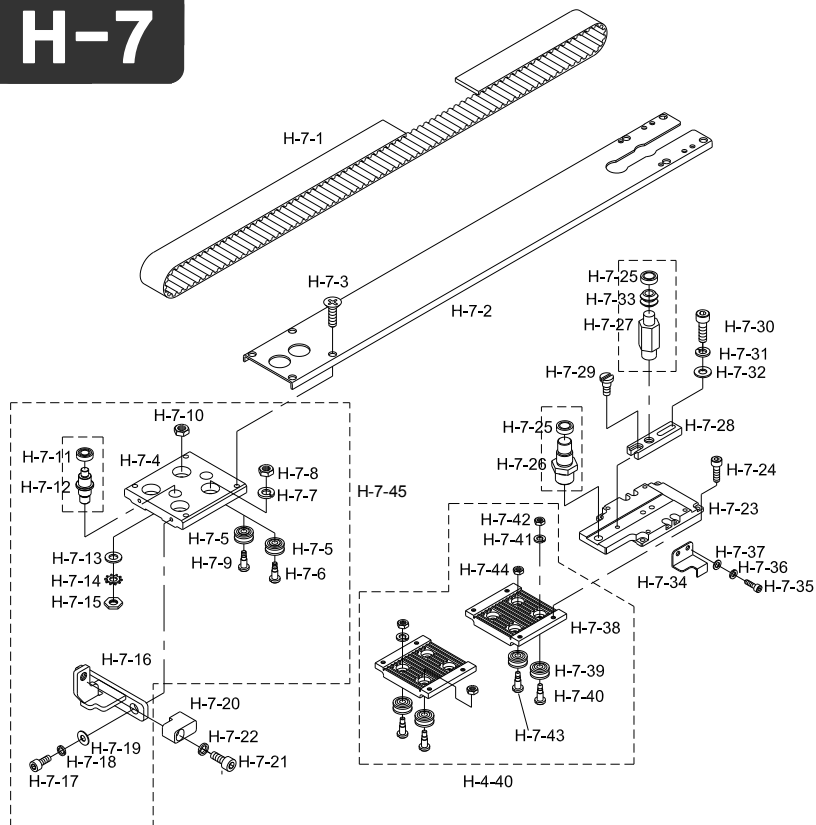
This diagram illustrates the assembly of the H-6-40 unit. The components are labeled as follows:

- H-6-10**: A large, curved, ribbed component.
- H-6-8**: A cylindrical component with a flange.
- H-6-9**: A small cylindrical component.
- H-6-7**: A small cylindrical component.
- H-6-19**: A small cylindrical component.
- H-6-20**: A small cylindrical component.
- H-6-21**: A small cylindrical component.
- H-6-18**: A small cylindrical component.
- H-6-2**: A small cylindrical component.
- H-6-3**: A small cylindrical component.
- H-6-4**: A small cylindrical component.
- H-6-1**: A small cylindrical component.
- H-6-5**: A small cylindrical component.
- H-6-6**: A small cylindrical component.
- H-6-12**: A small cylindrical component.
- H-6-13**: A small cylindrical component.
- H-6-14**: A small cylindrical component.
- H-6-11**: A small cylindrical component.
- H-6-15**: A small cylindrical component.
- H-6-16**: A small cylindrical component.
- H-6-24**: A small cylindrical component.
- H-6-23**: A small cylindrical component.
- H-6-22**: A small cylindrical component.
- H-6-32**: A small cylindrical component.
- H-6-25**: A small cylindrical component.
- H-6-26**: A small cylindrical component.
- H-6-27**: A small cylindrical component.
- H-6-28**: A small cylindrical component.
- H-6-29**: A small cylindrical component.
- H-6-37**: A small cylindrical component.
- H-6-36**: A small cylindrical component.
- H-6-35**: A small cylindrical component.
- H-6-40**: A small cylindrical component.
- H-6-39**: A small cylindrical component.
- H-6-33**: A small cylindrical component.
- H-6-34**: A small cylindrical component.
- H-6-35**: A small cylindrical component.
- H-6-38**: A small cylindrical component.
- H-6-36**: A small cylindrical component.
- H-6-31**: A small cylindrical component.
- H-6-30**: A small cylindrical component.

The diagram shows the assembly sequence for the H-6-40 unit, with components labeled H-6-1 through H-6-40. The assembly is shown in an exploded view, with dashed lines indicating the assembly path. The components are arranged in a grid-like pattern, with the H-6-40 unit at the top left and the H-6-30 unit at the bottom right. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled X/Y DRIVE. The H-6-40 unit is also connected to the H-6-30 unit via a cable labeled H-6-1. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-2. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-3. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-4. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-5. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-6. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-12. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-13. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-14. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-11. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-15. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-16. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-24. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-23. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-22. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-32. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-25. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-26. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-27. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-28. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-29. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-37. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-36. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-35. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-40. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-39. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-33. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-34. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-35. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-38. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-36. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-31. The H-6-40 unit is connected to the H-6-30 unit via a cable labeled H-6-30.

[illegible]

H-7



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
H-7-1	04000500H004	Y-Drive Timing Belt (W:48)				6	
H-7-2	GP-030076-00	Joint Cover For Bearing Block	May.07.07	X		6	
H-7-3	15084SC-7119	C.S Screw (M4*L6)			○	48	
H-7-4	GP-030075-00	Y-Axis Bearing Block (F)	May.07.07	X		6	
H-7-5	15001BR-B001	Cam Roller Baearing				24	
H-7-6	15002CW-B001	Cam Roller Stud (A)				12	
H-7-7	02028SW-9115	Spring Washer (@4)				12	
H-7-8	15029SN-3211	Hex. Nut (M4-No2)			○	12	
H-7-9	15003CW-B001	Cam Roller Stud (B)				12	
H-7-10	12010SN-1211	Hex.Nut (M5)			○	12	
H-7-11	15077BR-B001	Ball Bearing (Lr606Nppu)			○	6	
H-7-12	08400110H000	Y-Rail Guide Shaft (Front-A)				6	
H-7-13	15077SW-2111	Washer (8@-S)			○	6	
H-7-14	15078SW-8113	Toothed Lock Washer (@8)			○	6	
H-7-15	15079SN-2311	Rail Guide Shaft Nut				6	
H-7-16	GP-021541-00	Frame Injured Prevent Bracket	Sep.14.06	X		6	
H-7-17	02015SC-7113	Hex.Socket Bolt(M4*L10)			○	12	
H-7-18	18014SW-3115	Spring Washer (@4-No2)			○	12	
H-7-19	18015SW-3111	Washer (4@)			○	12	
H-7-20	GP-021542-00	Block For Surface Prevention	Sep.14.06	X		4	
	GP-021542-01	Block For Surface Prevention	Dec.22.06	△		4	
H-7-21	15105SC-7113	HEX.SOCKET BOLT (M4*L15)			○	4	
H-7-22	WS-000221-00	Washer(@4)	Sep.15.06	X	○	4	
H-7-23	GP-030074-00	Y-Axis Bearing Block (Rear)	May.07.07	X		6	
H-7-24	15067SC-A001	Hex.Socket Bolt (M4*L7)			○	48	
H-7-25	15077BR-B001	Ball Bearing (Lr606Nppu)			○	12	
H-7-26	15098CW-A001	RAIL GUIDE PIN "B"				6	
H-7-27	15097CW-A001	RAIL GUIDE PIN "A"				6	
H-7-28	GP-006299-00	ADJUSTING BLOCK FOR BEARING	Dec.18.04	X		6	
H-7-29	15074SC-A001	Stopper Stud				6	
H-7-30	03016SC-4113	Hex. Socket Bolt (M5*L15)			○	12	
H-7-31	18048SW-3115	Spring Washer (@5)			○	12	
H-7-32	WS-000083-00	@5 - Washer	Dec.20.04	X	○	12	
H-7-33	18111CW-B001	Frame 'E' Roller				6	
H-7-34	04000800H000	Sensor Plate "Y"				1	
H-7-35	22006SC-7113	Hex. Socket Bolt (M3*L8)			○	2	
H-7-36	11019SW-9115	Spring Washer (3@)			○	2	

H-7

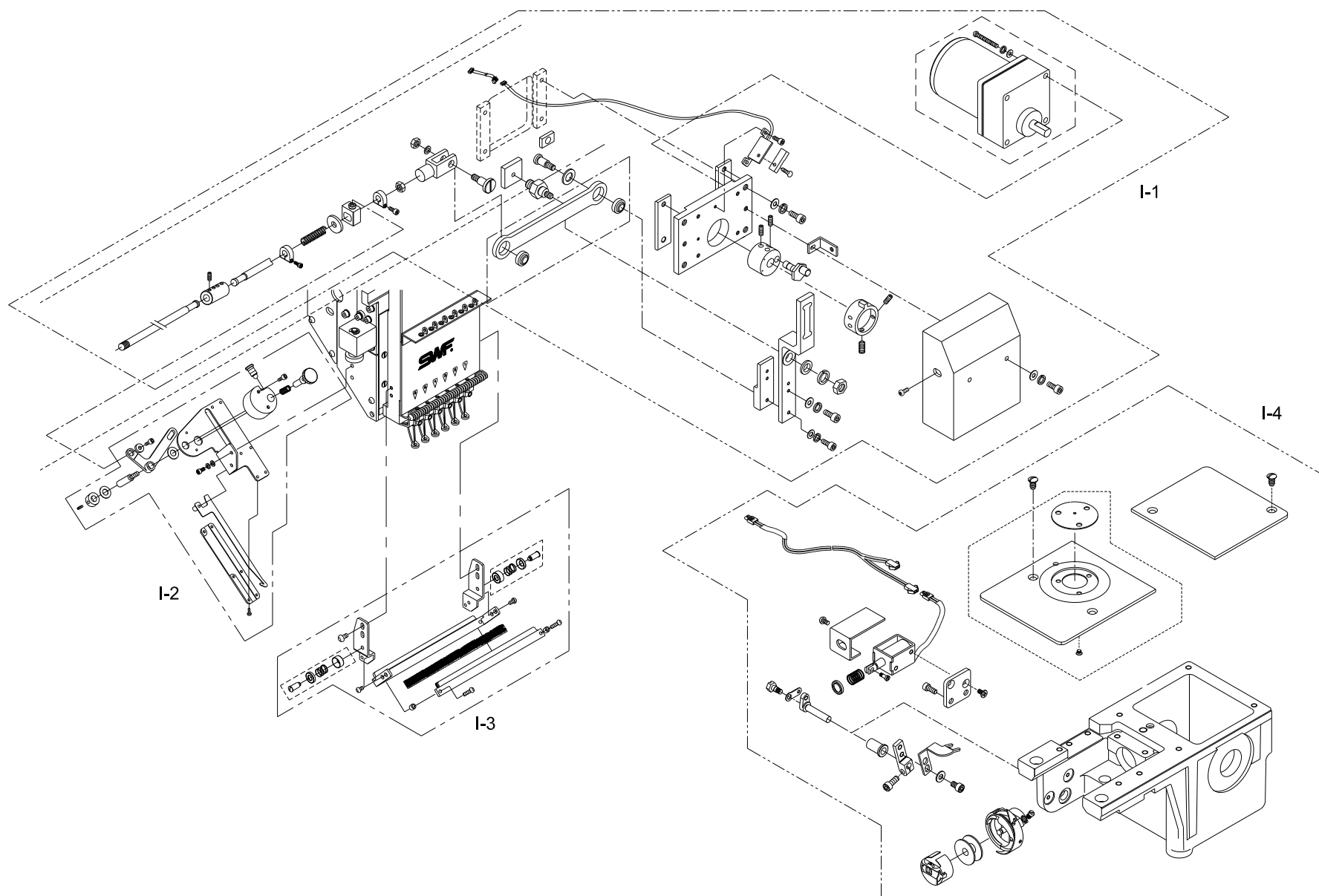
Exploded view diagram of the H-7 assembly, showing various components and their assembly sequence:

- H-7-1**: Main elongated component with a serrated edge.
- H-7-2**: Long rectangular plate with mounting holes.
- H-7-3**: Small screw.
- H-7-4**: Square plate with four mounting holes.
- H-7-5**: Small circular component.
- H-7-6**: Small circular component.
- H-7-7**: Small circular component.
- H-7-8**: Small circular component.
- H-7-9**: Small circular component.
- H-7-10**: Small circular component.
- H-7-11**: Small circular component.
- H-7-12**: Small circular component.
- H-7-13**: Small circular component.
- H-7-14**: Small circular component.
- H-7-15**: Small circular component.
- H-7-16**: Small rectangular component.
- H-7-17**: Small circular component.
- H-7-18**: Small circular component.
- H-7-19**: Small circular component.
- H-7-20**: Small rectangular component.
- H-7-21**: Small circular component.
- H-7-22**: Small circular component.
- H-7-23**: Small rectangular component.
- H-7-24**: Small rectangular component.
- H-7-25**: Small circular component.
- H-7-26**: Small circular component.
- H-7-27**: Small circular component.
- H-7-28**: Small rectangular component.
- H-7-29**: Small circular component.
- H-7-30**: Small circular component.
- H-7-31**: Small circular component.
- H-7-32**: Small circular component.
- H-7-33**: Small circular component.
- H-7-34**: Small rectangular component.
- H-7-35**: Small circular component.
- H-7-36**: Small circular component.
- H-7-37**: Small circular component.
- H-7-38**: Small rectangular component.
- H-7-39**: Small circular component.
- H-7-40**: Small circular component.
- H-7-41**: Small circular component.
- H-7-42**: Small circular component.
- H-7-43**: Small circular component.
- H-7-44**: Small rectangular component.
- H-4-40**: Small rectangular component.

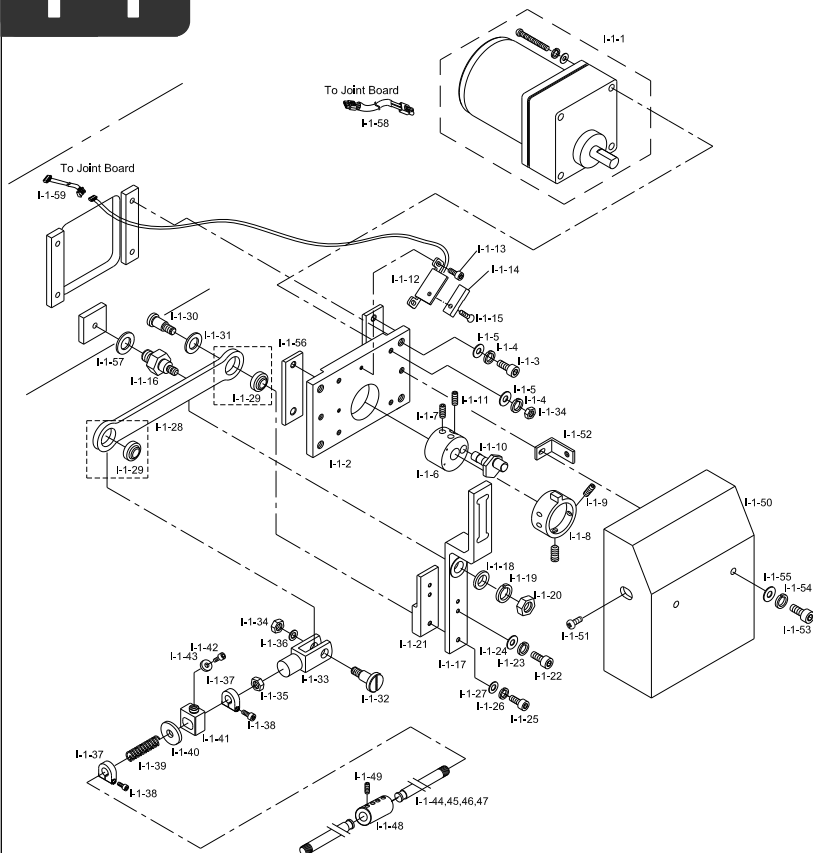
Note



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)			○	4	
I-1-4	16014SW-4115	Spring Washer (@8)			○	4	
I-1-5	08057SW-1111	Washer (@6)			○	4	
I-1-6	03003300H000	Cam Shaft Fixing Block				1	
I-1-7	05008MC-4517	Hex. Socket Bolt (M5*L8)			○	2	
I-1-8	GP-005184-01	SENSOR SENSING ADJUSTING RING	Nov.22.04	X		1	
I-1-9	04014SC-4517	Hex.Socket Set Screw(M5*L5)			○	2	
I-1-10	03003500H000	Motor Driving Cam Shaft				1	
I-1-11	04014SC-4517	Hex.Socket Set Screw(M5*L5)			○	1	
I-1-12	GP-005180-00	UPPER THREAD HOOK SENSOR BASE	Oct.13.04	X		1	
I-1-13	07035SC-7113	Bracket Screw (M3*L6)			○	2	
I-1-14	EP-000067-00	SENSOR	Dec.05.05	X		1	
I-1-15	13061SC-8119	Plus Screw (M3*L10)			○	1	
I-1-16	03003810H000	STUD BOLT FOR DRIVING PLATE				1	
I-1-17	03003910H000	Upper Thread Driving Plate				1	
I-1-18	WS-000549-00	Stud Bolt Washer	Feb.20.09 ~ Jun.24.09			1	
	WS-000549-01		Jun.24.09 ~				
I-1-19	16014SW-4115	Spring Washer (@8)			○	1	
I-1-20	13042SN-1111	Hex. Nut (M6*T5-R)			○	1	
I-1-21	GP-021754-00	Driving Plate Block"C"	Sep.21.06	X		1	
I-1-22	03016SC-4113	Hex. Socket Bolt (M5*L15)			○	2	
I-1-23	18048SW-3115	Spring Washer (@5)			○	2	
I-1-24	18049SW-3111	Washer (@5)			○	2	
I-1-25	08091SC-7113	Hex. Socket Bolt (M6*L20)			○	1	
I-1-26	16014SW-4115	Spring Washer (@8)			○	1	
I-1-27	08057SW-1111	Washer (@6)			○	1	
I-1-28	03004200HH00	MOTOR DRIVING CONNECT PLATE				1	
I-1-29	03004400H000	Motor Driving Connect Bearing				2	
I-1-30	03008300H000	Connecting Plate Pin				1	
I-1-31	03004500H000	Connecting Plate Pin Washer				1	
I-1-32	03004700H000	Connecting Plate Stud Screw				1	
I-1-33	03004800H000	Connecting Plate Knuckle				1	
I-1-34	13042SN-1111	Hex. Nut (M6*T5-R)			○	1	
I-1-35	04032SN-A001	Hex. Nut (M8)			○	1	
I-1-36	03026SW-9115	Spring Washer				1	
I-1-37	LWP-BK0003-00	Return Spring Stopper	Dec,28,10 ~			60	
	LWP-BK0003-01		Jul,01,11 ~				

This diagram illustrates the exploded view of the I-1 control panel assembly. The main components are shown in their relative positions, with dashed lines indicating the assembly path. Key parts include the control panel (I-1-1), the joint board (I-1-58), and the control panel door (I-1-50). The diagram shows the internal wiring (I-1-59) connecting the control panel to the joint board. Various screws, nuts, and washers are shown, along with the control panel door and the control panel itself. The diagram is labeled with 'I-1' in the top left corner.



I-2

This diagram illustrates the assembly of the I-2 engine. The main assembly is shown in the center, with various components labeled with part numbers. A callout at the top right shows a detailed view of the SAF (Safety) switch assembly, which includes a switch mechanism and a terminal block with multiple wires. A dashed line connects this callout to the main assembly, indicating its location. The main assembly includes the following components:

- I-2-1: Main engine housing
- I-2-2: Bolt
- I-2-3: Bolt
- I-2-4: Bolt
- I-2-5: Bolt
- I-2-6: Bolt
- I-2-7: Bolt
- I-2-8: Bolt
- I-2-9: Bolt
- I-2-10: Bolt
- I-2-11: Bolt
- I-2-12: Bolt
- I-2-13: Bolt
- I-2-14: Bolt
- I-2-15: Bolt
- I-2-16: Bolt
- I-2-17: Bolt
- I-2-18: Bolt
- I-2-19: Bolt
- I-2-20: Bolt
- I-2-21: Bolt

The SAF switch assembly is shown at the top right, with the SAF logo and a terminal block with multiple wires. A dashed line connects the SAF switch assembly to the main assembly, indicating its location.

Note



I-3

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

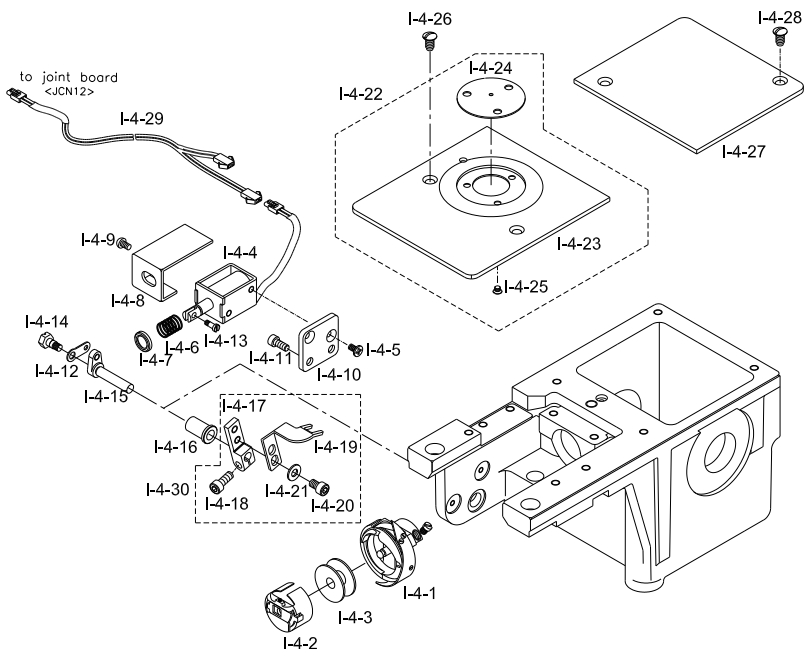
- I-3-1**: The main door panel, featuring a large black brush strip along its bottom edge.
- I-3-2**: A horizontal track or guide rail.
- I-3-3**: A vertical track or guide rail.
- I-3-4**: A roller or wheel component.
- I-3-5**: A pin or fastener.
- I-3-6**: A bracket or support arm.
- I-3-7**: A bracket or support arm.
- I-3-8**: A pin or fastener.
- I-3-9**: A pin or fastener.
- I-3-10**: A roller or wheel component.
- I-3-11**: A pin or fastener.

The diagram shows the door panel (I-3-1) being mounted onto the tracks (I-3-2 and I-3-3) using the rollers (I-3-4) and pins (I-3-5). The brackets (I-3-6 and I-3-7) are shown being attached to the door panel and the tracks, respectively, using the pins (I-3-8, I-3-9, and I-3-11). The roller (I-3-10) is shown being inserted into the track (I-3-2).

Note



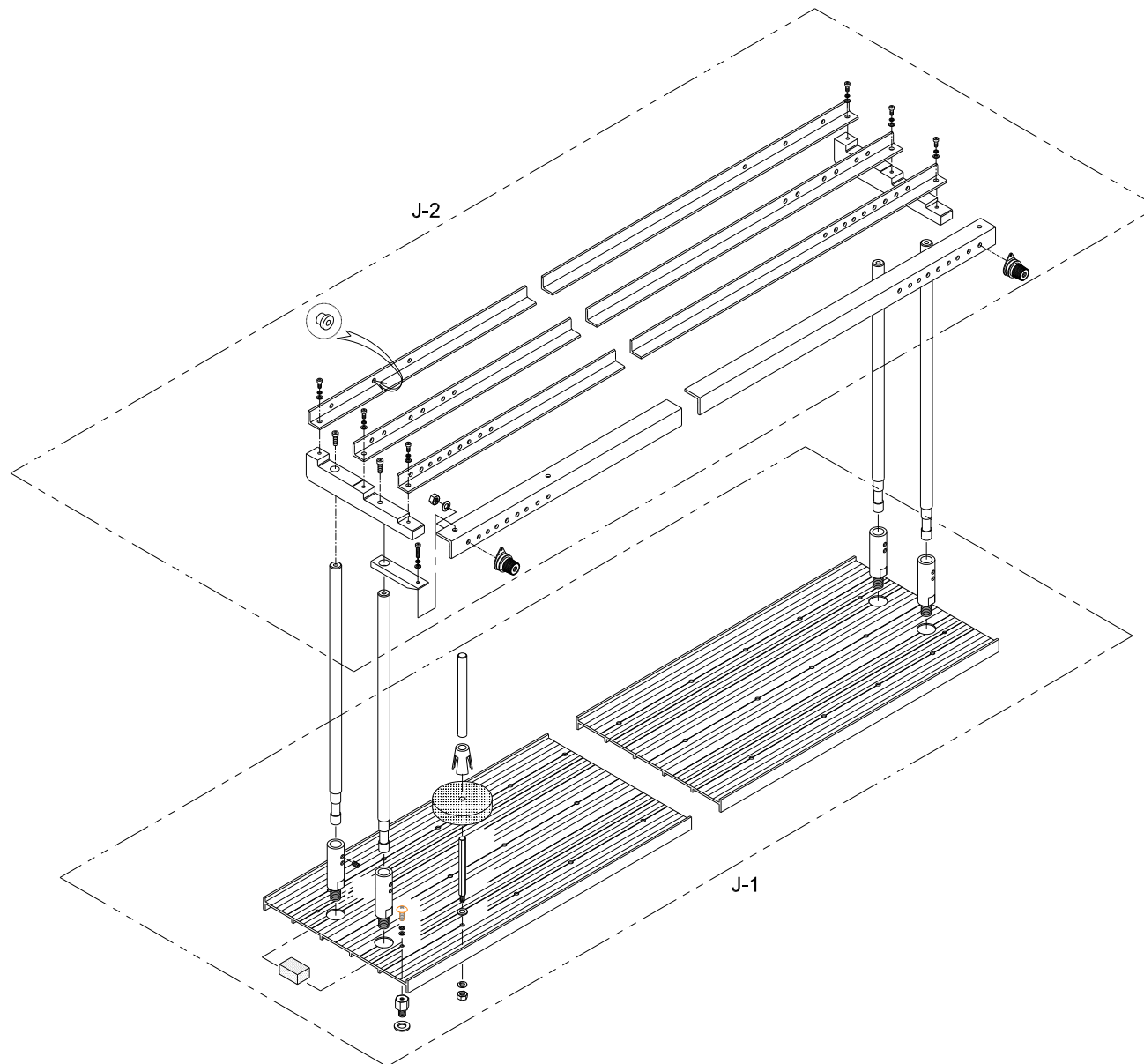
I-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
I-4-1	04033AF-H002	Rotary Hook				30	
	04033AF-H004	Rotary Hook (Option)				30	
I-4-2	04034AF-A001	Bobbin Case Set				30	
	04034AF-H003	Bobbin Case Set (Option)				30	
I-4-3	04035AF-A001	Bobbin				30	
	04035AF-H003	Bobbin (Option)				30	
I-4-4	10009EL-A001	Picker Sol. Set				30	
I-4-5	10010SC-8119	Plus Screw (M3*L5)			○	60	
I-4-6	10011SP-A001	Sol. Spring				30	
I-4-7	10012RB-A001	Cushion Washer				30	
I-4-8	10013PM-A001	Picker Sol. Cover				30	
I-4-9	06010AF-8118	Plus Screw(M3*L4)			○	60	
I-4-10	10015PR-A001	Picker Sol. Base				30	
I-4-11	02023SC-7113	Hex. Socket Bolt (M4*L8)			○	60	
I-4-12	10019PR-A001	Connecting Link				30	
I-4-13	10021SC-A001	Sol. Stud Screw				30	
I-4-14	10020SC-A001	Connecting Link Stud Screw				30	
I-4-15	10006FU-A001	Picker Connecting Crank				30	
I-4-16	08015PM-A001	Bushing				30	
I-4-17	10004CW-A001	Picker Holder				30	
I-4-18	02023SC-7113	Hex. Socket Bolt (M4*L8)			○	30	
I-4-19	10001AF-A001	Picker				30	
I-4-20	02014SC-7113	Hex. Socket Bolt (M4*L5)			○	60	
I-4-21	06003SW-2111	Washer (@4)			○	60	
I-4-22	12000110H000	Needle Plate Set @2.0				30	
I-4-23	GP-008997-00	Needle Plate	Apr.30.05	X		30	
I-4-24	12000410B000	Needle Plate Attachment @2.0				30	
I-4-25	04007SC-A001	Cushion Cover Screw (M3*L2.3)				90	
I-4-26	04004AF-A001	Needle Plate Screw				60	
I-4-27	04008PR-A001	Hook Base Cover				30	
I-4-28	04004AF-A001	Needle Plate Screw				60	
I-4-29	02102000HDK2	Picker Sol.Connect From J/B				1	
I-4-30	AS-008142-00	Picker Assy	Jan,28,08 ~	X		30	

Spool



J-1

The diagram illustrates the assembly of the J-1 unit. It features a main base plate (J-1-1) with a series of parallel ridges. A circular component (J-1-7) is mounted on the base plate. A vertical rod (J-1-8) passes through the center of the circular component. A small rectangular block (J-1-14) is positioned at the bottom left corner of the base plate. A series of small circular components (J-1-2, J-1-3, J-1-4, J-1-5, J-1-6, J-1-11, J-1-12) are shown along the bottom edge of the base plate. A series of vertical rods (J-1-15, J-1-16, J-1-17) are shown passing through the base plate. A series of small circular components (J-1-13, J-1-18) are shown along the bottom edge of the base plate. A series of small circular components (J-1-9, J-1-10) are shown along the bottom edge of the base plate. A series of small circular components (J-1-1) are shown along the bottom edge of the base plate.

Note



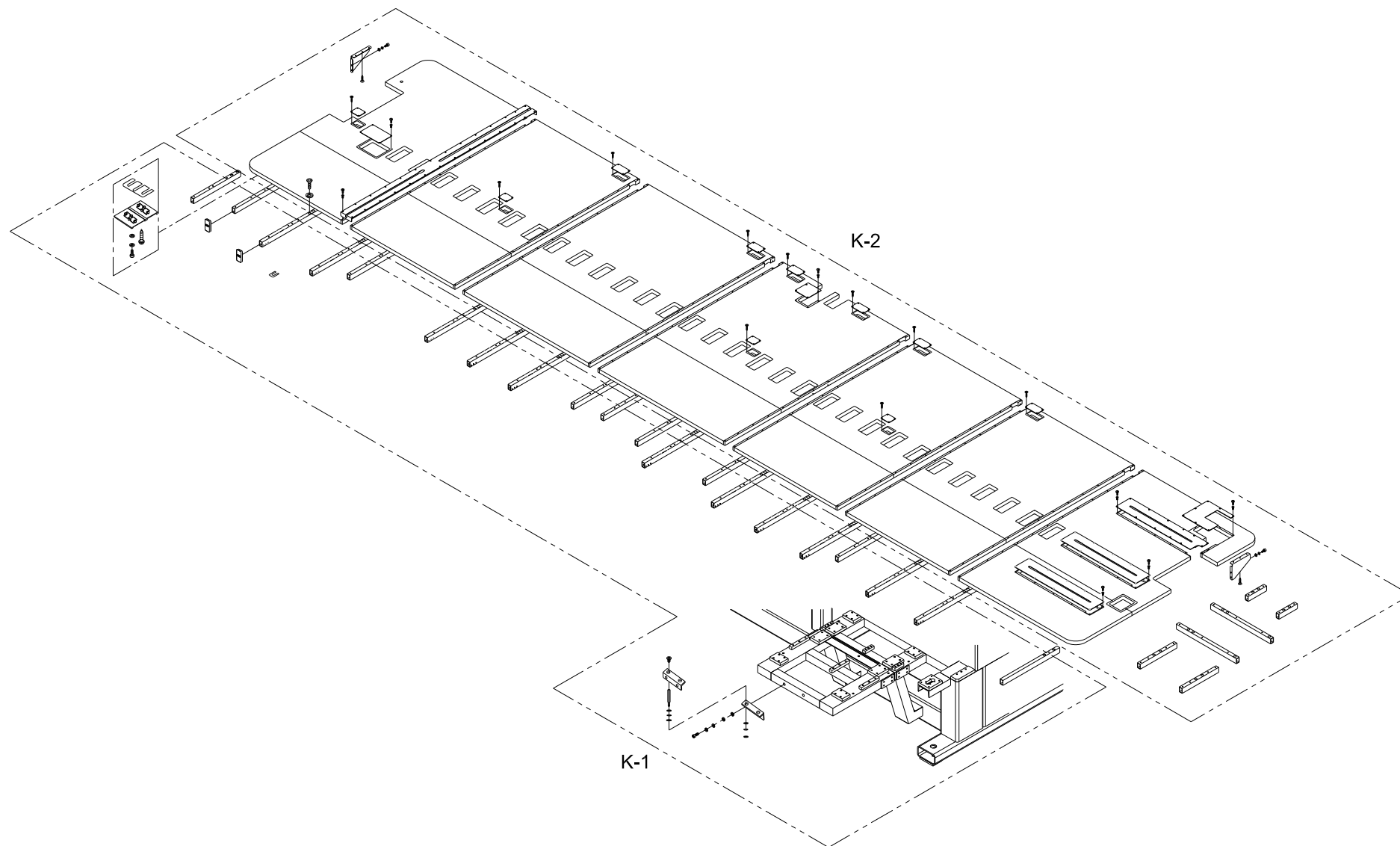
This exploded view diagram illustrates the assembly of the J-2 system. The components and their assembly sequence are as follows:

- J-2-1**: The main horizontal beam.
- J-2-2**: A secondary horizontal beam that fits into the main beam.
- J-2-3**: A horizontal beam that connects to the main assembly.
- J-2-4**: A horizontal beam that is part of the lower structure.
- J-2-5**: A horizontal beam that is part of the lower structure.
- J-2-6**: A vertical pin or bolt used for assembly.
- J-2-7**: A vertical pin or bolt used for assembly.
- J-2-8**: A vertical pin or bolt used for assembly.
- J-2-9**: A vertical pin or bolt used for assembly.
- J-2-10**: A vertical pin or bolt used for assembly.
- J-2-11**: A vertical pin or bolt used for assembly.
- J-2-12**: A vertical pin or bolt used for assembly.
- J-2-13**: A vertical pin or bolt used for assembly.
- J-2-14**: A vertical pin or bolt used for assembly.
- J-2-15**: A vertical pin or bolt used for assembly.
- J-2-16**: A vertical pin or bolt used for assembly.
- J-2-17**: A vertical pin or bolt used for assembly.
- J-2-18**: A vertical pin or bolt used for assembly.

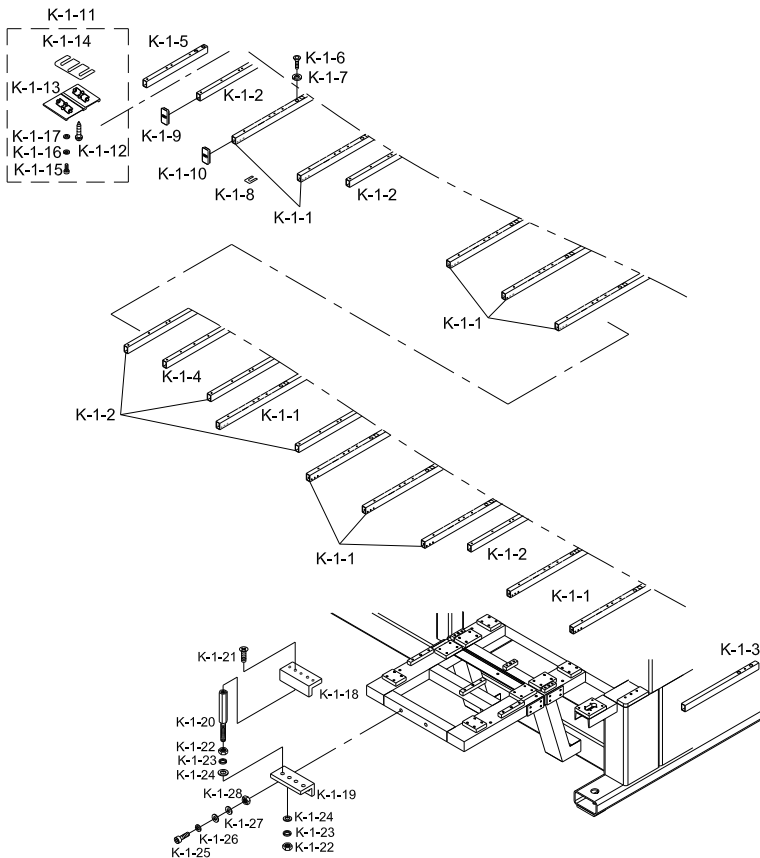
Note



Work Table



K-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
K-1-1	GP-029859-00	Table Support "A" (L=1834)	May.02.07	X		12	
	GP-029859-01	Table Support "A" (L=1834)	Jun.12.07	△		12	
	GP-029859-02	Table Support "A" (L=1834)	Jul.04.07	△		12	
K-1-2	GP-029860-00	Table Support "B" (L=1649.5)	May.02.07	X		6	
	GP-029860-01	Table Support "B" (L=1649.5)	Jun.12.07	△		6	
	GP-029860-02	Table Support "B" (L=1649.5)	Jul.04.07	△		6	
K-1-3	GP-032249-00	Table Support "J" (L=606)	Jul.04.07	X		1	
K-1-4	GP-032248-00	Table Support "B" (L=1164.5)	Jul.04.07	X		1	
K-1-5	GP-018557-00	Table Support "H" (L=501)	Jun.26.06	X		1	
K-1-6	16009SC-4113	Hex. Socket Screw (M10*L25)			○	110	
K-1-7	01008SW-9115	Spring Washer (@10)			○	110	
K-1-8	16015PR-A001	Table Spacer (T=2.0)				240	
K-1-9	GP-011803-00	Table Support End Cap	Sep.09.05	X		34	
K-1-10	16005RB-A001	Table Support End Cap				4	
K-1-11	06000010B000	Table Connecting Plate (Set)				20	
K-1-12	16010SC-8330	Tapping Screw (M6*L25)			○	160	
K-1-13	GP-027472-00	TABLE CONNECTING PLATE "C"	Mar.08.07	X		24	
K-1-14	06001200B000	TABLE SPACE PLATE "C"				48	
K-1-15	02087SC-4329	Hex. Socket Screw (M5*L10)			○	160	
K-1-16	18048SW-3115	Spring Washer (@5)			○	160	
K-1-17	18049SW-3111	Washer (@5)			○	160	
K-1-18	16016CW-A001	Table Support Bracket "A" (50*560)				1	
K-1-19	16015CW-A001	Table Support (G) (40*L200)				1	
K-1-20	16021CW-A001	Stud Bolt				2	
K-1-21	06020MC-8119	Plus SCREW (M6*L20)			○	2	
K-1-22	04032SN-A001	Hex. Nut (M8)			○	4	
K-1-23	15095SW-3115	Spring Washer (@8)			○	2	
K-1-24	04029SW-A001	Stud Bolt Washer (@8)			○	4	
K-1-25	08091SC-7113	Hex. Socket Bolt (M6*L20)			○	2	
K-1-26	16014SW-4115	Spring Washer (@6)			○	2	
K-1-27	08057SW-1111	Washer (@6)			○	4	
K-1-28	13042SN-1111	Hex. Nut (M6*T5-R)			○	2	

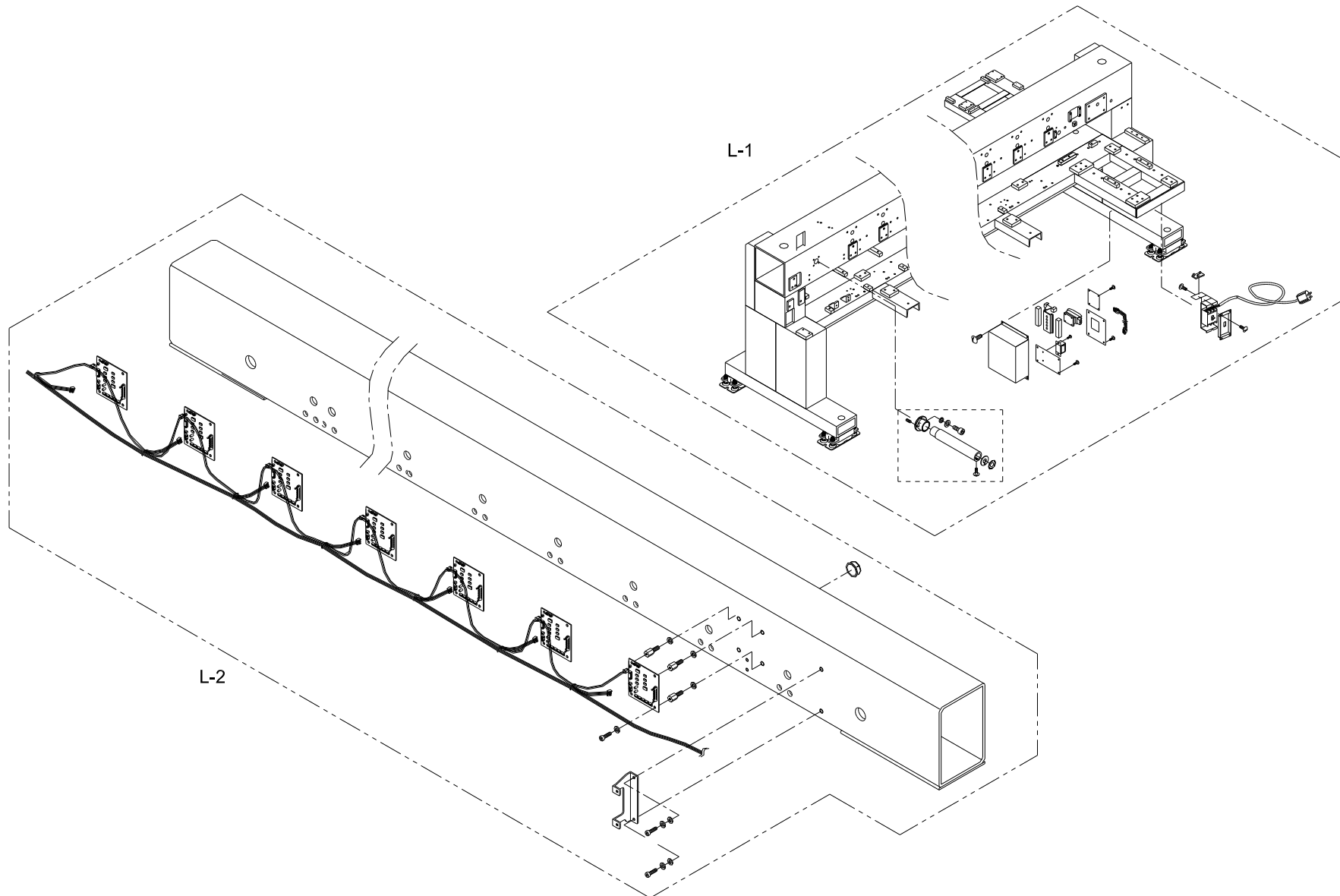
This exploded view diagram illustrates the assembly of the K-2 system. The components are labeled as follows:

- K-2-1**: Main base plate.
- K-2-2**: Longitudinal rail.
- K-2-3**: Longitudinal rail.
- K-2-4**: Longitudinal rail.
- K-2-5**: Longitudinal rail.
- K-2-6**: Longitudinal rail.
- K-2-7**: Longitudinal rail.
- K-2-8**: Small rectangular component.
- K-2-9**: Small rectangular component.
- K-2-10**: Small rectangular component.
- K-2-11**: Small rectangular component.
- K-2-12**: Small rectangular component.
- K-2-13**: Small rectangular component.
- K-2-14**: Small rectangular component.
- K-2-15**: Small rectangular component.
- K-2-16**: Small rectangular component.
- K-2-17**: Small rectangular component.
- K-2-18**: Small rectangular component.
- K-2-19**: Small rectangular component.
- K-2-20**: Small rectangular component.
- K-2-21**: Small rectangular component.
- K-2-22**: Small rectangular component.
- K-2-23**: Small rectangular component.
- K-2-24**: Small rectangular component.
- K-2-25**: Small rectangular component.
- K-2-26**: Small rectangular component.

The diagram shows the assembly sequence from the base plate (K-2-1) up to the final assembly (K-2-26).

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
K-2-1	GP-029851-00	Table "A"	May.02.07	X		1	
	GP-029851-01	Table "A"	Jun.21.07	△		1	
K-2-2	GP-029852-00	Table "B"	May.02.07	X		1	
K-2-3	GP-029854-00	Table "C"	May.02.07	X		1	
K-2-4	GP-029855-00	Table "D"	May.02.07	X		1	
K-2-5	GP-029856-00	Table "E"	May.02.07	X		1	
K-2-6	GP-029857-00	Table "F"	May.02.07	X		1	
K-2-7	GP-029858-00	Table "G"	May.02.07	X		1	
	GP-029858-01	Table "G"	Jun.21.07	△		1	
K-2-8	DSC-BF004701	Screw M4*L10		X	○	168	
K-2-9	SN-000164-00	Table Insert Nut	Aug.17.07	X		168	
	SN-000164-01	Table Insert Nut	Mar.06.08	△		168	
K-2-10	GP-029861-00	Table Connecting Cover	May.02.07	X		6	
	GP-029861-01	Table Connecting Cover	Jul.04.07	△		6	
K-2-11	08001310H000	Low Shaft Coupling Cover A				4	
K-2-12	08010SC-8329	Tapping Screw (M3*L16)			○		
K-2-13	GP-006540-00	Y-Coupling Cover	Aec.21.04	X		1	
K-2-14	GP-018538-00	Table Support "H" (L=390)	Jun.26.06	X		2	
K-2-15	GP-018544-00	Table Support "E" (L=196.5)	Jun.26.06	X		2	
K-2-16	GP-023018-00	Table Support "E" (L=640)	Nov.07.06	X		2	
K-2-17	01001100I004	Table Support (Rear_L)				1	
K-2-18	01001200I004	Table Support (Rear_R)				1	
K-2-19	18047SC-7113	Hex.Socket Bolt (M5*L15)			○	4	
K-2-20	18048SW-3115	Spring Washer (@5)			○	4	
K-2-21	16018SW-1111	Washer (@5)			○	4	
K-2-22	16010SC-8330	Tapping Screw (M6*L25)			○		
K-2-23	GP-028492-00	X-Motor Coupling Cover	Mar.31.07	X		1	
K-2-24	GP-017156-00	Y-Coupling Cover	Apr.14.06	X		6	
K-2-25	GP-029862-00	X-LM Guide Cover "C"	May.02.07	X		1	
	GP-029862-01	X-LM Guide Cover "C"	Jul.26.07	△		1	
K-2-26	GP-023618-00	X- LM Guide Cover A	Nov.24.06	X		2	
	GP-023618-01	X- LM Guide Cover A	Jan.25.07	△		2	

Cable



L-1

This exploded view diagram illustrates the assembly of the L-1 system. The components are organized into several dashed-line boxes indicating their assembly sequence:

- Top Section:** Includes the main housing (L-1-26), a side panel (L-1-28), and a front panel (L-1-27). A cable (L-1-29) is shown connecting to the front panel.
- Internal Components:** Includes a control unit (L-1-20), a power supply (L-1-24), and a fan (L-1-25). A mounting bracket (L-1-19) is shown with screws (L-1-21, L-1-22, L-1-23).
- Bottom Section:** Includes a base unit (L-1-1) with a cable (L-1-6) and a connector (L-1-7). A cable (L-1-3) is shown connecting to the base unit. A cable (L-1-5) is shown connecting to the base unit. A cable (L-1-4) is shown connecting to the base unit. A cable (L-1-11) is shown connecting to the base unit. A cable (L-1-10) is shown connecting to the base unit. A cable (L-1-14) is shown connecting to the base unit. A cable (L-1-13) is shown connecting to the base unit. A cable (L-1-12) is shown connecting to the base unit. A cable (L-1-16) is shown connecting to the base unit. A cable (L-1-17) is shown connecting to the base unit. A cable (L-1-18) is shown connecting to the base unit. A cable (L-1-9) is shown connecting to the base unit.

Note



L-1

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

- L-1-1** through **L-1-18**: Various small components, including screws, washers, and spacers, shown in a dashed box at the bottom.
- L-1-19** through **L-1-25**: Components including a large rectangular panel, a smaller panel, and various mounting brackets and screws.
- L-1-26** through **L-1-29**: Components including a large rectangular panel, a smaller panel, and various mounting brackets and screws.
- L-1-3** through **L-1-5**: Components including a small rectangular panel, a cable, and a connector.
- L-1-6** through **L-1-9**: Components including a cable, a connector, and a small rectangular panel.
- L-1-10** through **L-1-12**: Components including a cable, a connector, and a small rectangular panel.
- L-1-13** through **L-1-17**: Components including a cable, a connector, and a small rectangular panel.
- L-1-18**: A small rectangular panel.
- L-1-19** through **L-1-25**: Components including a large rectangular panel, a smaller panel, and various mounting brackets and screws.
- L-1-26** through **L-1-29**: Components including a large rectangular panel, a smaller panel, and various mounting brackets and screws.
- L-1-3** through **L-1-5**: Components including a small rectangular panel, a cable, and a connector.
- L-1-6** through **L-1-9**: Components including a cable, a connector, and a small rectangular panel.
- L-1-10** through **L-1-12**: Components including a cable, a connector, and a small rectangular panel.
- L-1-13** through **L-1-17**: Components including a cable, a connector, and a small rectangular panel.
- L-1-18**: A small rectangular panel.

Note

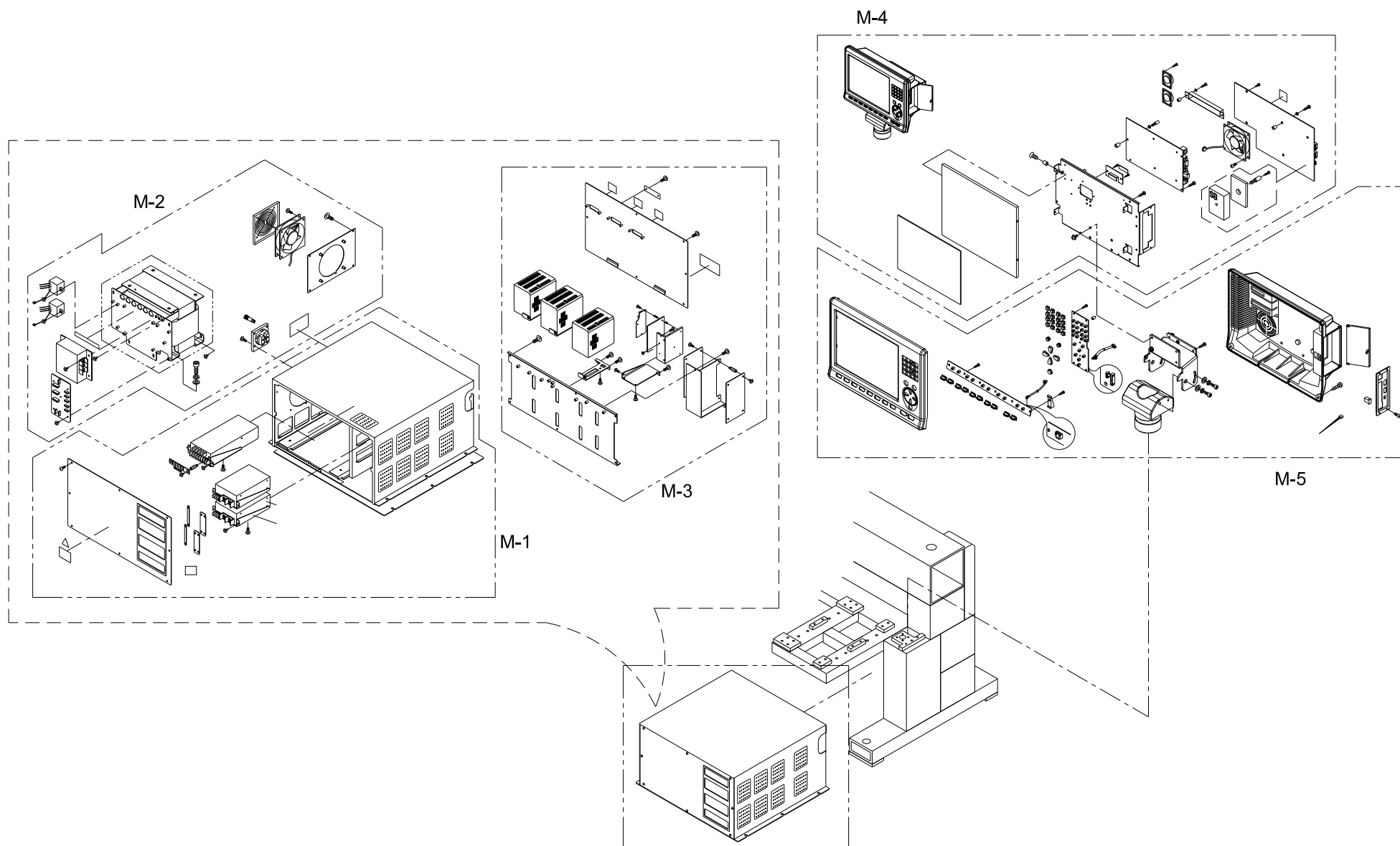


Diagram illustrating the Thread Sensing Cable assembly. The assembly includes a Thread Sensing CAN Signal Cable and a Thread Sensing Power Cable, both connected to the L-2-1 component. The L-2-1 component is connected to the L-2-2 component, which is further connected to the L-2-3 component. The L-2-3 component is connected to the L-2-4 component, which is connected to the L-2-5 component. The L-2-5 component is connected to the L-2-6 component, which is connected to the L-2-7 component. The L-2-7 component is connected to the L-2-8 component, which is connected to the L-2-9 component. The L-2-9 component is connected to the L-2-10 component.

Note



Con Box & OP Box



M-1

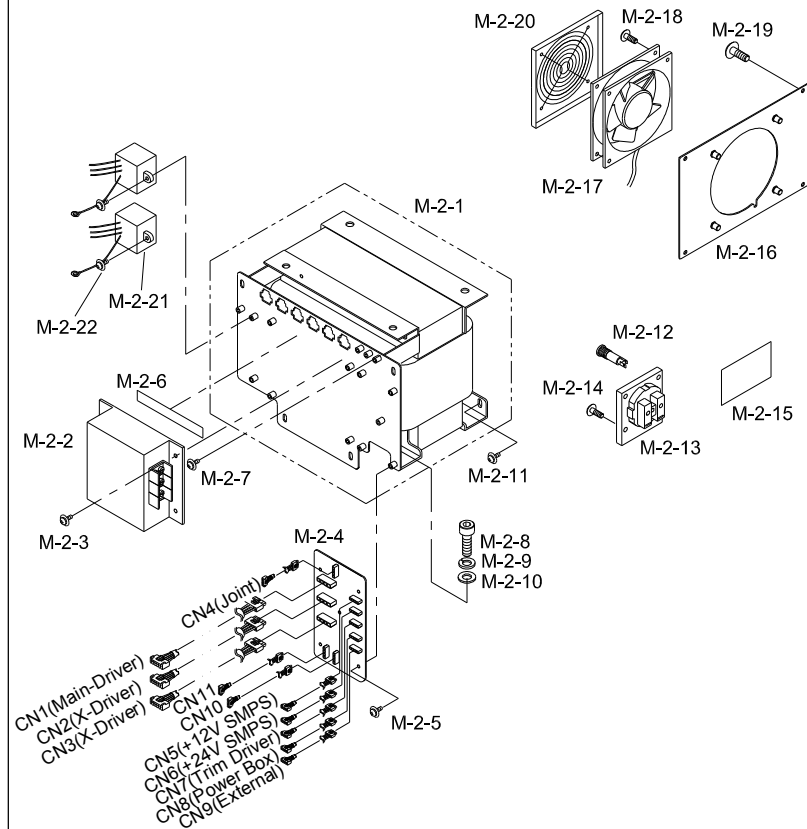
This diagram illustrates the assembly of the M-1 chassis. The main components and their assembly sequence are as follows:

- M-1-1**: The main chassis unit, shown in an exploded view at the top right.
- M-1-2**: The front panel, shown in an exploded view below the chassis.
- M-1-3**: The top cover, shown in an exploded view to the left of the chassis.
- M-1-4**: The top cover mounting bracket, shown in an exploded view below the top cover.
- M-1-5**: The front panel mounting bracket, shown in an exploded view below the front panel.
- M-1-6**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-7**: The front panel mounting plate, shown in an exploded view below the front panel.
- M-1-8**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-9**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-10**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-11**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-12**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-13**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-14**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-15**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-16**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-17**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-18**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-19**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-20**: The front panel mounting screws, shown in an exploded view to the left of the front panel.
- M-1-21**: The front panel mounting screws, shown in an exploded view to the left of the front panel.

Note	
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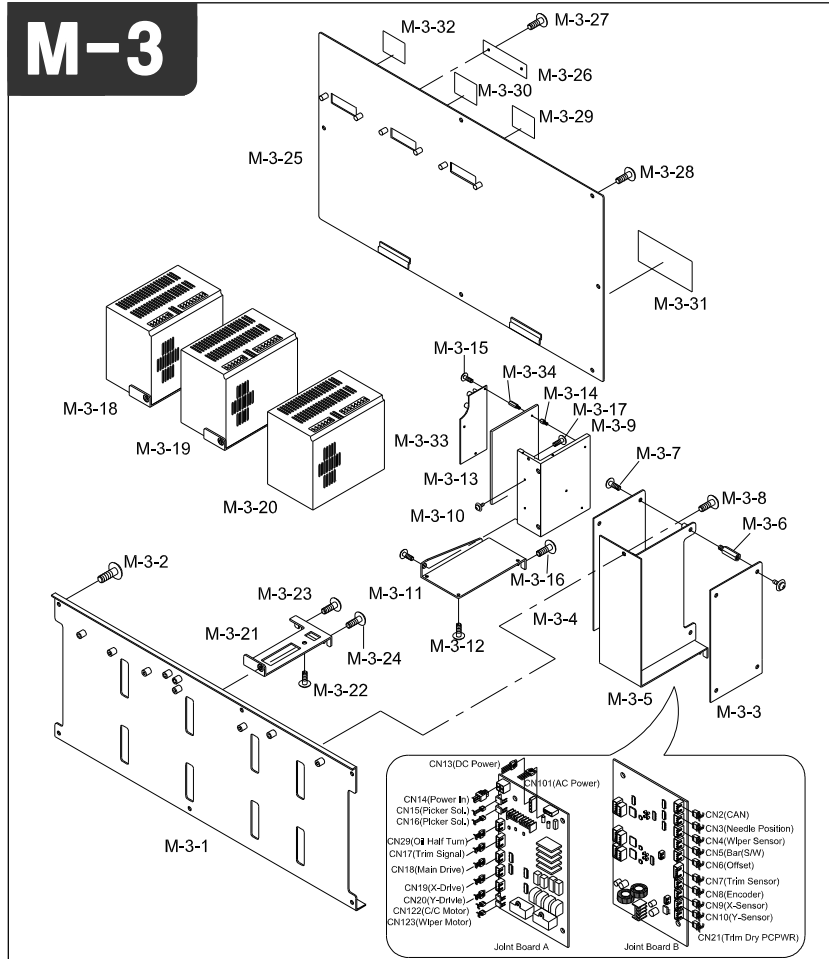
M-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-2-1	AS-004284-00	Transformer Ass'y(Set)	Mar.13.06	X		1	
	AS-004284-01	Transformer Ass'y(Set)	Jun.16.06	△		1	
	EP-000046-00	Transformer	Aug.16.05	X		1	
	EP-000046-01	Transformer	Feb.06.06	△		1	
	GP-009448-00	Fixing Bracket for Core(A)	May.13.05	X		1	
	GP-009450-00	Fixing Bracket for Core(B)	May.13.05	X		1	
	GP-013747-00	Fixing Bracket for Core(C)	Dec.14.05	X		1	
	GP-013747-01	Fixing Bracket for Core(C)	Jun.16.06	△		1	
	GP-010149-00	Fixing Bracket for Core(D)	Jun.18.05	X		1	
	GP-009451-00	Fixing Bracket for Connect Plate	May.13.05	X		1	
	GP-009454-00	Copper Plate for SMPS(A)	May.13.05	X		2	
	GP-009453-00	Copper Plate for SMPS(B)	May.13.05	X		2	
	GP-013748-00	Connect Plate	Dec.14.05	X		1	
	07-004S-SM5S	Fixing Screw for Connect Plate(Set)			○	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)			○	4	
M-2-4	BD-000365-00	Connect Board	Feb.03.06	X		1	
	BD-000365-01	Connect Board	Jul.04.06	△		1	
M-2-5	07-004S-SM5S	Fixing Screw For Connect Board(Set)			○	4	
M-2-6	GP-015970-00	Input voltage Sticker	Feb.28.06	X		1	
M-2-7	07-004S-SM5S	Ground Screw for Connect Plate(Set)				4	
M-2-8	10-016M-SW66	Fixing Screw for Transformer A			○	2	
M-2-9	10-003S-SW66	Spring Washer				2	
M-2-10	10-004S-SW66	Washer				2	
M-2-11	SC-000393-00	Fixing Screw for Transformer B	Jul.19.05	X	○	2	
M-2-12	EP-000049-00	Fuse Holder	Aug.16.05	X		1	
M-2-13	EP-000050-00	External Concept	Aug.16.05	X		1	
	EP-000050-01	External Concept	Jun.21.07	△		1	
M-2-14	10-072S-SW70	Fixing Screw for External Concept			○	1	
M-2-15	01-004S-BT01	Fan Cleaning Sticker				1	
M-2-16	GP-009431-00	Side Cover	May.13.05	X		1	
	GP-009431-01	Side Cover	Sep.30.05	△		1	
M-2-17	EP-000048-00	Fan	Aug.16.05	X		1	
M-2-18	01-002M-AU12	Fixing Screw for Fan			○	4	
M-2-19	10-003M-PT01	Fixing Screw for Side Cover(Truss)			○	4	
M-2-20	01-002B-AU12	FAN Cover				1	
M-2-21	BD-000168-00	Surge Protector	Jan.20.05	X		2	

M-3



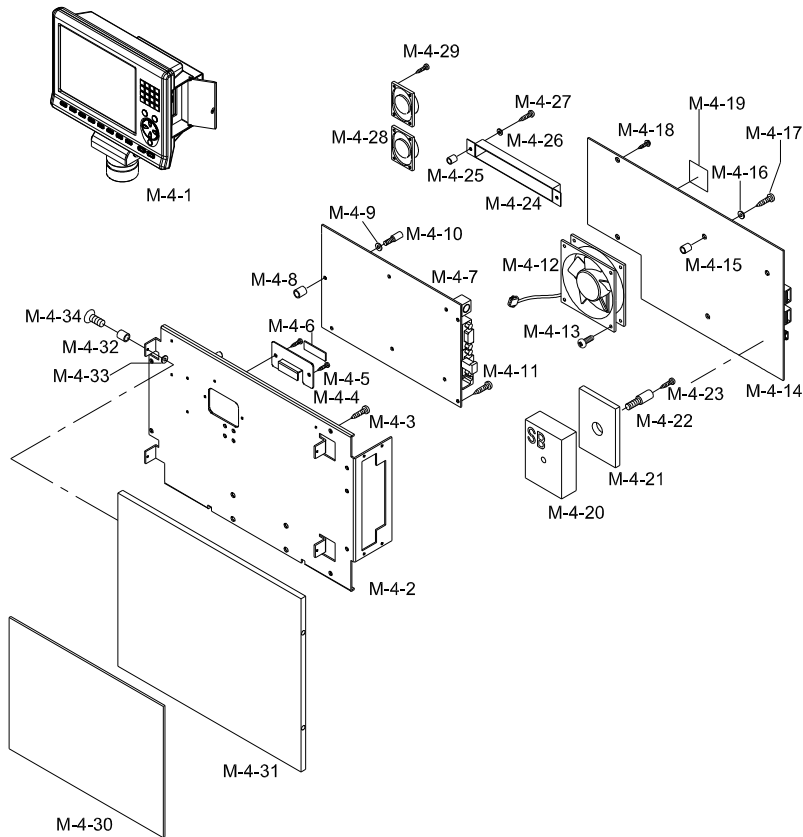
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-3-1	GP-009445-00	Driver Fixing Plate	Dec.21.04	X		1	
	GP-009445-01	Driver Fixing Plate	Dec.01.05	△		1	
M-3-2	07-004S-SM5S	Fixing Screw for Driver Fixing Plate(Set)			○	6	
M-3-3	BD-000301-00	Joint Board(A)	Nov.23.05	X		1	
	BD-000301-01	Joint Board(A)	Jun.26.06	△		1	
	BD-000301-02	Joint Board(A)	Aug.16.06	△		1	
	BD-000301-03	Joint Board(A)	Oct.19.06	△		1	
	BD-000301-04	Joint Board(A)	Apr.16.07	△		1	
	BD-000301-05	Joint Board(A)	May.23.07	△		1	
	BD-000301-06	Joint Board(A)	Jul.20.07	△		1	
	BD-000301-07	Joint Board(A)	Jan.08.08	△		1	
	BD-000301-08	Joint Board(A)	May.20.08	△		1	
	BD-000301-09	Joint Board(A)	Jul.16.08	△		1	
	BD-000301-10	Joint Board(A)	Aug.26.08	△		1	
M-3-4	BD-000301-00	Joint Board(B)	Nov.23.05	X		1	
	BD-000301-01	Joint Board(B)	Jun.26.06	△		1	
	BD-000301-02	Joint Board(B)	Aug.16.06	△		1	
	BD-000301-03	Joint Board(B)	Oct.19.06	△		1	
	BD-000301-04	Joint Board(B)	Apr.16.07	△		1	
	BD-000301-05	Joint Board(B)	May.23.07	△		1	
	BD-000301-06	Joint Board(B)	Jul.20.07	△		1	
	BD-000301-07	Joint Board(B)	Jan.08.08	△		1	
	BD-000301-08	Joint Board(B)	May.20.08	△		1	
	BD-000301-09	Joint Board(B)	Jul.16.08	△		1	
	BD-000301-10	Joint Board(B)	Aug.26.08	△		1	
M-3-5	GP-009442-00	Fixing Bracket for Joint Board	May.13.05	X	○	2	
	GP-009442-01	Fixing Bracket for Joint Board	Sep.30.05	△	○	2	
	GP-009442-02	Fixing Bracket for Joint Board	Apr.03.08	△	○	2	
M-3-6	10-012M-PT10	Stud for Joint Board				8	
M-3-7	10-021M-SW66	Fixing Screw for Joint Board(Set)			○	8	
M-3-8	07-004S-SM5S	Fixing Screw for J/B Fixing Bracket(Set)			○	1	
M-3-9	GP-012729-00	Radiator for Trimming Driver	Oct.14.05	X		1	
M-3-10	06-001C-SE50	Fixing Screw for Trimming Driver Radiator(A)			○	6	
M-3-11	GP-009433-00	Fixing Bracket for Trimming Driver	May.13.05	X	○	1	
M-3-12	10-004M-SW68	Fixing Screw for Trimming Driver Radiator(B)			○	3	
M-3-13	BD-000244-00	Trimming Driver(B)	Aug.17.05	X		1	
	BD-000244-01	Trimming Driver(B)	Oct.25.05	△		1	

Note



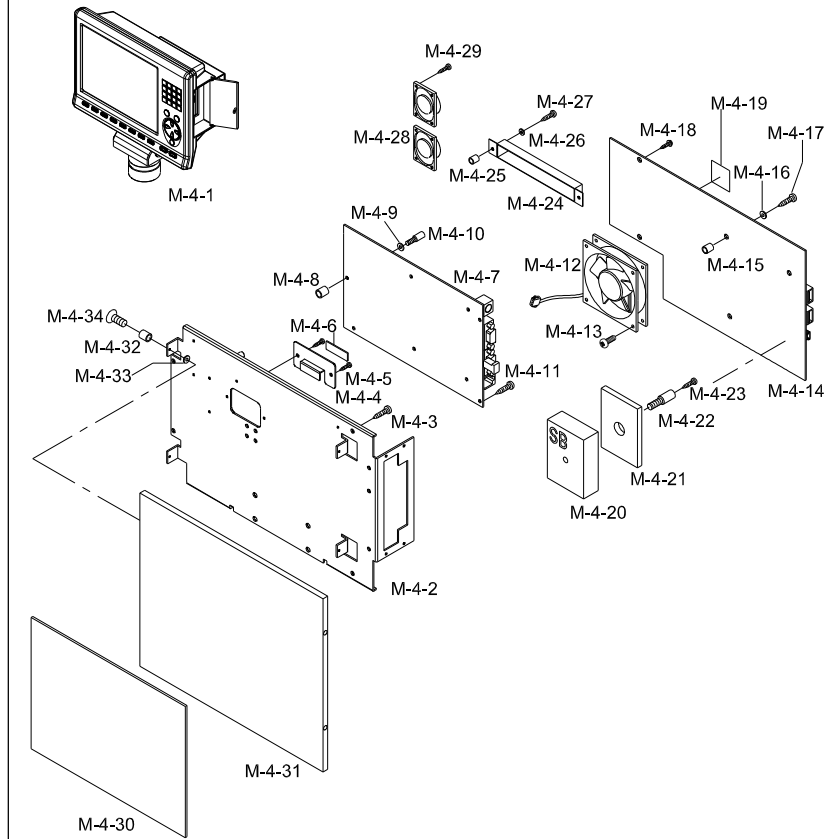
M-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-4-1		Operation Box Ass'y				1	
M-4-2	GP-014345-00	Base Plate	Jan.06.06	X		1	
	GP-014345-01	Base Plate	May.30.06	△		1	
	GP-014345-02	Base Plate	Jul.14.06	△		1	
	GP-014345-03	Base Plate	Jan.08.07	△		1	
M-4-3	SC-000460-00	Screw for Base Plate (ST4xL8)	May.08.05	X	○	4	
M-4-4	01-002B-OT10	Pressing Plate for LCD				1	
M-4-5	20-002B-SW70	Connecting Pressing Plate Sponge				2	
M-4-6	10-028S-SC53	Screw for Pressing Plate (M3xL7)				2	
M-4-7	BD-000426-00	CPU Board	Jun.22.06	X		1	
	BD-000426-01	CPU Board	Jun.27.06	△		1	
	BD-000426-02	CPU Board	Jul.24.06	△		1	
	BD-000426-03	CPU Board	Aug.30.06	△		1	
	BD-000426-04	CPU Board	Sep.13.06	△		1	
	BD-000426-05	CPU Board	Dec.04.06	△		1	
	BD-000426-06	CPU Board	Mar.08.07	△		1	
	BD-000426-07	CPU Board	May.28.07	△		1	
M-4-8	GP-014361-00	Insulation Bush(A)	Jan.06.06	X		6	
	GP-014361-01	Insulation Bush(A)	Jan.31.07	△		6	
M-4-9	GP-014362-00	Insulation Bush(B)	Jan.06.06	X		6	
	GP-014362-01	Insulation Bush(B)	Jan.31.07	△		6	
M-4-10	GP-014341-00	CPU Board Fixing Stud (M3xL27.5)	Jan.06.06	X		4	
	GP-014341-01	CPU Board Fixing Stud (M3xL27.5)	May.30.06	△		4	
	GP-014341-02	CPU Board Fixing Stud (M3xL27.5)	Jul.14.06	△		4	
	GP-014341-03	CPU Board Fixing Stud (M3xL27.5)	Nov.30.06	△		4	
M-4-11	07-005S-SM5S	CPU Board Screw (SET) (M3xL10)			○	2	
M-4-12	EP-000030-00	FAN	Jul.15.05	X		1	
M-4-13	SC-000392-00	FAN Fixing Screw (M4xL30)	Jul.18.05	X	○	3	
M-4-14	BD-000364-00	IO Board	Feb.03.06	X		1	
	BD-000364-01	IO Board	Jul.11.06	△			
	BD-000364-02	IO Board	Sep.13.06	△			
	BD-000364-03	IO Board	Nov.27.06	△			
	BD-000364-04	IO Board	Dec.07.06	△			
	BD-000364-05	IO Board	Feb.12.07	△			
	BD-000364-05	IO Board	Mar.26.07	△			
	BD-000364-07	IO Board	Jan.08.08	△			

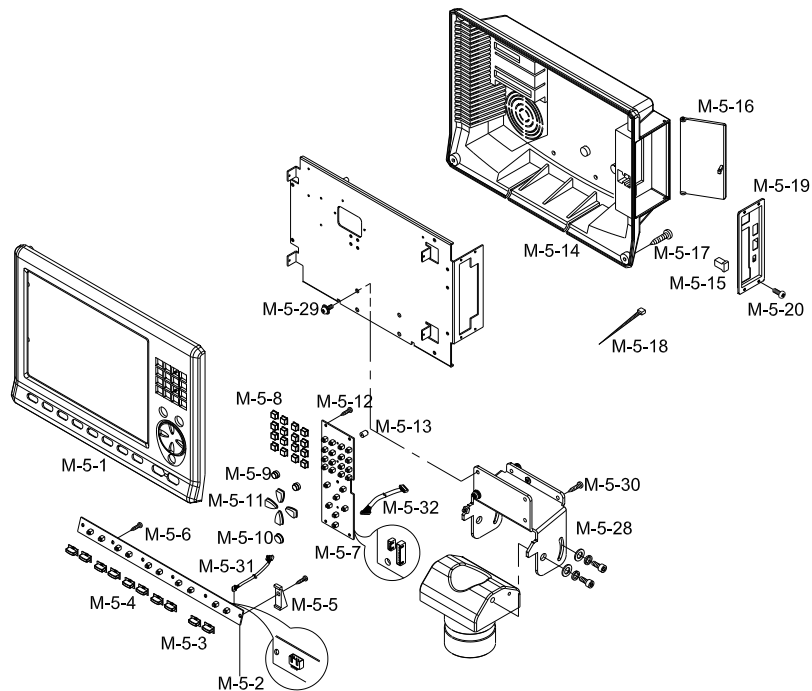
M-4



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-4-14	BD-000364-08	IO Board	Feb.25.08	△		1	
	BD-000364-09	IO Board	May.26.08	△		1	
	BD-000364-10	IO Board	Jul.18.08	△		1	
	BD-000364-11	IO Board	Jan.06.09	△		1	
	BD-000364-11	IO Board	Apr.21.09	△		1	
M-4-15	GP-014361-00	Insulation Bush(A)	Jan.06.06	X		6	
	GP-014361-01	Insulation Bush(A)	Jan.31.07	△		6	
M-4-16	GP-014362-00	Insulation Bush(B)	Jan.06.06	X		4	
	GP-014362-01	Insulation Bush(B)	Jan.31.07	△		4	
M-4-17	07-005S-SM5S	IO Board Fixing Screw (SET) (M3xL10)				4	
M-4-18	10-002S-SW66	IO Board Screw (SET) (M3XL8)				2	
M-4-19	09-023C-SC53	QC Passed Sticker				1	
M-4-20	GP-017235-00	SB DDC Radiator	Apr.19.06	X		1	
M-4-21	GP-017239-00	SB DDC Radiator Sheet (t=3)	Apr.19.06	X		1	
	GP-017239-01	SB DDC Radiator Sheet (t=3)	Jun.01.06	△		1	
	GP-017239-02	SB DDC Radiator Sheet (t=3)	Jun.09.06	△			
M-4-22	GP-010656-00	Fixing Stud for SB DDC Radiator	Jul.18.05	X		1	
M-4-23	10-028S-SC53	Fixing Screw for SB DDC Radiator(SET) (M3xL7)			○	1	
M-4-24	22027EL-A001	Inverter				1	
M-4-25	10-001C-AT10	Insulation Bush(A)				2	
M-4-26	01-102B-OT10	Insulation Bush(B)				2	
M-4-27	10-028S-SC53	Inverter Fixing Plate (M3xL7)				2	
M-4-28	01-016A-DU33	Speaker				2	
M-4-29	10-028S-SC53	Speaker Fixing Screw (M3xL7)				4	
M-4-30	GP-014350-00	LCD Cover	Jan.06.06	X		1	
	GP-014350-01	LCD Cover	May.30.06	△		1	
	GP-014350-02	LCD Cover	Jun.21.06	△		1	
	GP-014350-03	LCD Cover	Feb.13.07	△		1	
M-4-31	20-006A-SW70	LCD				1	
M-4-32	GP-019021-00	Insulation Bush(A)	Jul.13.06	X		4	
M-4-33	GP-019022-00	Insulation Bush(B)	Jul.13.06	X		4	
M-4-34	SC-000629-00	Screw for LCD (M2×L8)	Aug.28.06	X	○	4	

M-5

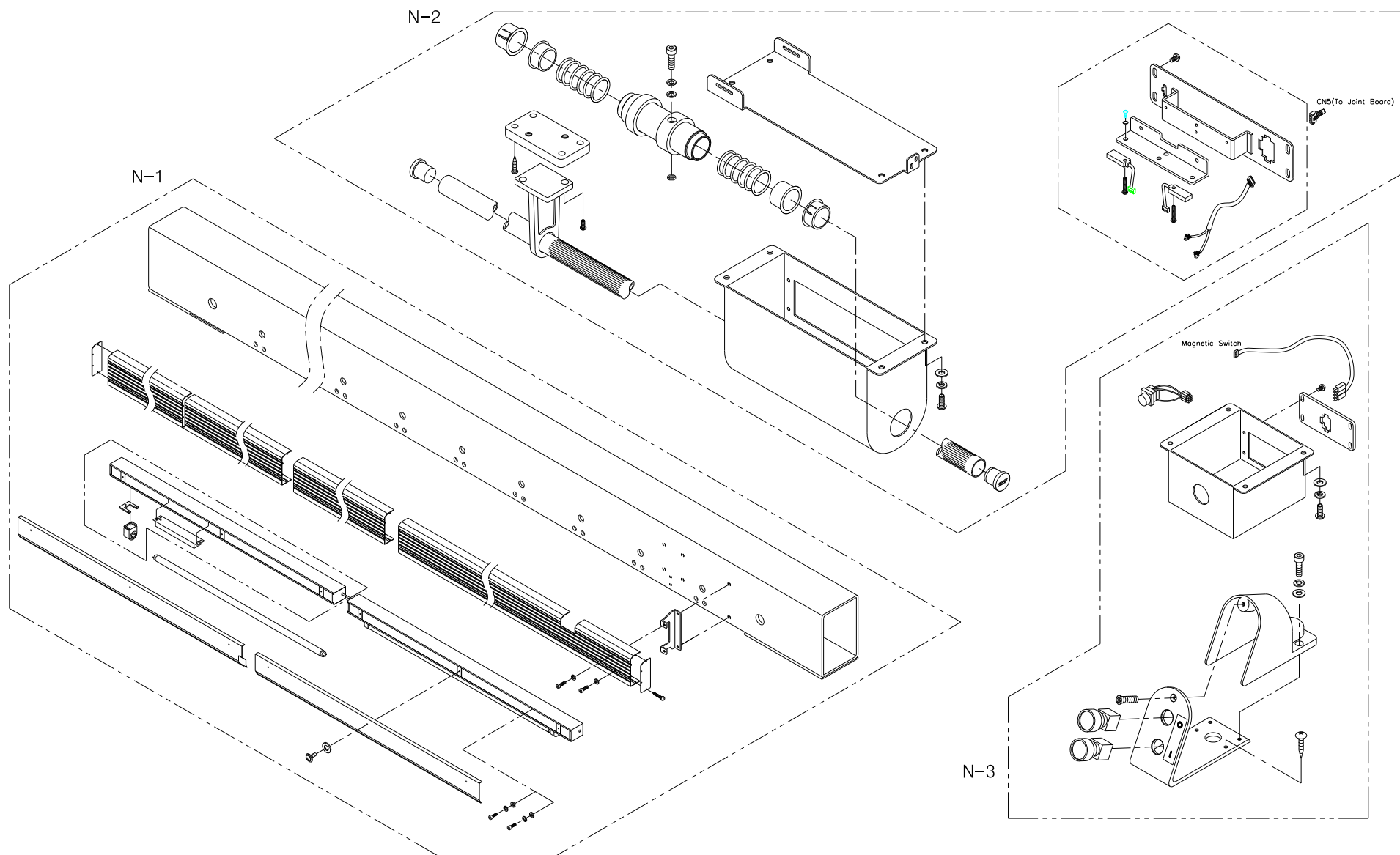


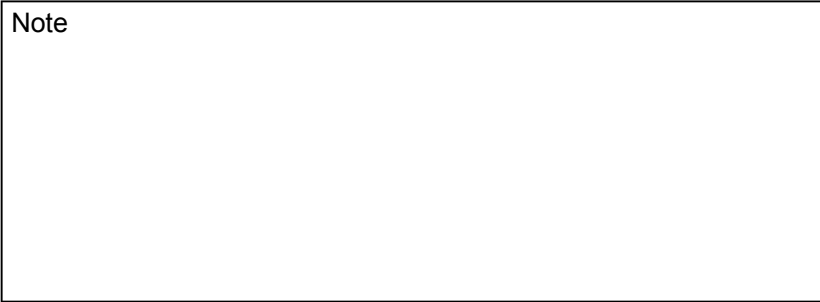
Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
M-5-1	GP-014348-00	Front Cover	Jan.06.06	X		1	
	GP-014348-01	Front Cover	Aug.03.06	△		1	
	GP-014348-02	Front Cover	Aug.28.06	△		1	
	GP-014348-03	Front Cover	Jan.08.07	△		1	
	GP-014348-04	Front Cover	Sep.27.07	△		1	
	GP-014348-05	Front Cover	Oct.25.07	△		1	
M-5-2	BD-000347-00	F-KEY Board	Dec.31.05	X		1	
	BD-000347-01	F-KEY Board	Aug.28.06	△		1	
	BD-000347-02	F-KEY Board	Oct.11.06	△		1	
	BD-000347-03	F-KEY Board	Jan.07.07	△		1	
	BD-000347-04	F-KEY Board	May.26.08	△		1	
M-5-3	GP-014360-00	Button (START,STOP Key)	Jan.06.06	X		2	
	GP-014360-01	Button (START,STOP Key)	Aug.28.06	△		2	
	GP-014360-02	Button (START,STOP Key)	Dec.15.06	△		2	
M-5-4	GP-015068-00	Button (F Key)	Feb.08.06	X		8	
	GP-015068-01	Button (F Key)	Aug.28.06	△		8	
	GP-015068-02	Button (F Key)	Nov.08.06	△		8	
M-5-5	GP-015067-00	Angle Bushing	Feb.08.06	X		6	
	GP-015067-01	Angle Bushing	Aug.28.06	△		6	
M-5-6	SC-000747-00	F-KEY Board Screw (ST2.9xL12)	Dec.12.06	X		6	
M-5-7	BD-000346-00	C-KEY Board	Dec.31.05	X		1	
	BD-000346-01	C-KEY Board	Jul.11.06	△		1	
	BD-000346-02	C-KEY Board	Oct.19.06	△		1	
	BD-000346-03	C-KEY Board	Jan.07.07	△		1	
	BD-000346-04	C-KEY Board	May.26.08	△		1	
M-5-8	GP-014356-00	Button (Number Key)	Jan.06.06	X		16	
	GP-014356-01	Button (Number Key)	Dec.15.06	△		16	
M-5-9	GP-014357-00	Button (DOWN,UP Key)	Jan.06.06	X		2	
	GP-014357-00	Button (DOWN,UP Key)	Dec.15.06	X		2	
M-5-10	GP-014359-00	Button (F-Speed Key)	Jan.06.06	X		1	
	GP-014359-01	Button (F-Speed Key)	Dec.15.06	△		1	
M-5-11	GP-015069-00	Button (방향키)	Feb.08.06	X		4	
M-5-12	SC-000459-00	C-KEY Board Screw (ST2.9xL8)	Dec.08.05	X		5	
M-5-13	GP-014364-00	Insulation Pusher	Jan0.06.06	X		3	
M-5-14	GP-014349-00	Rear Cover	Jan.06.06	X		1	
	GP-014349-01	Rear Cover	Feb.14.07	△		1	
	GP-014349-02	Rear Cover	Apr.20.07	△		1	

88

Lamp & Switch



90

N-2

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

- Top Assembly:** Components N-2-21, N-2-22, N-2-20, N-2-23, and N-2-24 are shown being installed into the main housing (N-2-1). A cable (N-2-27) is connected to the side. A bracket (N-2-25) is attached to the top, and a screw (N-2-26) is used to secure it. A connector (N-2-28) is labeled "CN5 (To Joint Board)".
- Internal Assembly:** A plate (N-2-19) is shown with a screw (N-2-9) and washers (N-2-10, N-2-11) being installed. A spring (N-2-5) and a pin (N-2-12) are also shown.
- Bottom Assembly:** A bracket (N-2-17) is shown with a screw (N-2-18) and a pin (N-2-15) being installed. A spring (N-2-6) and a pin (N-2-12) are also shown. A cable (N-2-14) is connected to the side. A screw (N-2-16) is used to secure the bracket. A cable (N-2-13) is connected to the bottom.
- Right Side Assembly:** A bracket (N-2-4) is shown with a screw (N-2-3) and a pin (N-2-2) being installed. A cable (N-2-1) is connected to the side.

Note

N-3

The diagram illustrates the assembly of the N-3 component. It features a main rectangular box (N-3-1) and a mounting bracket (N-3-10). A magnetic switch (N-3-9) is connected to the box via a cable (N-3-8) and a connector (N-3-7). A plate (N-3-5) is attached to the box with screws (N-3-2, N-3-3, N-3-4). The mounting bracket (N-3-10) is secured with a screw (N-3-11) and a nut (N-3-12). A spring (N-3-14) is attached to the bracket. A plate (N-3-15) is attached to the bracket with a screw (N-3-16) and a nut (N-3-17). A plate (N-3-18) is attached to the bracket with a screw (N-3-18).

Magnetic Switch

N-3-9

N-3-6

N-3-7

N-3-8

N-3-5

N-3-1

N-3-4

N-3-3

N-3-2

N-3-16

N-3-17

N-3-18

N-3-15

N-3-14

N-3-12

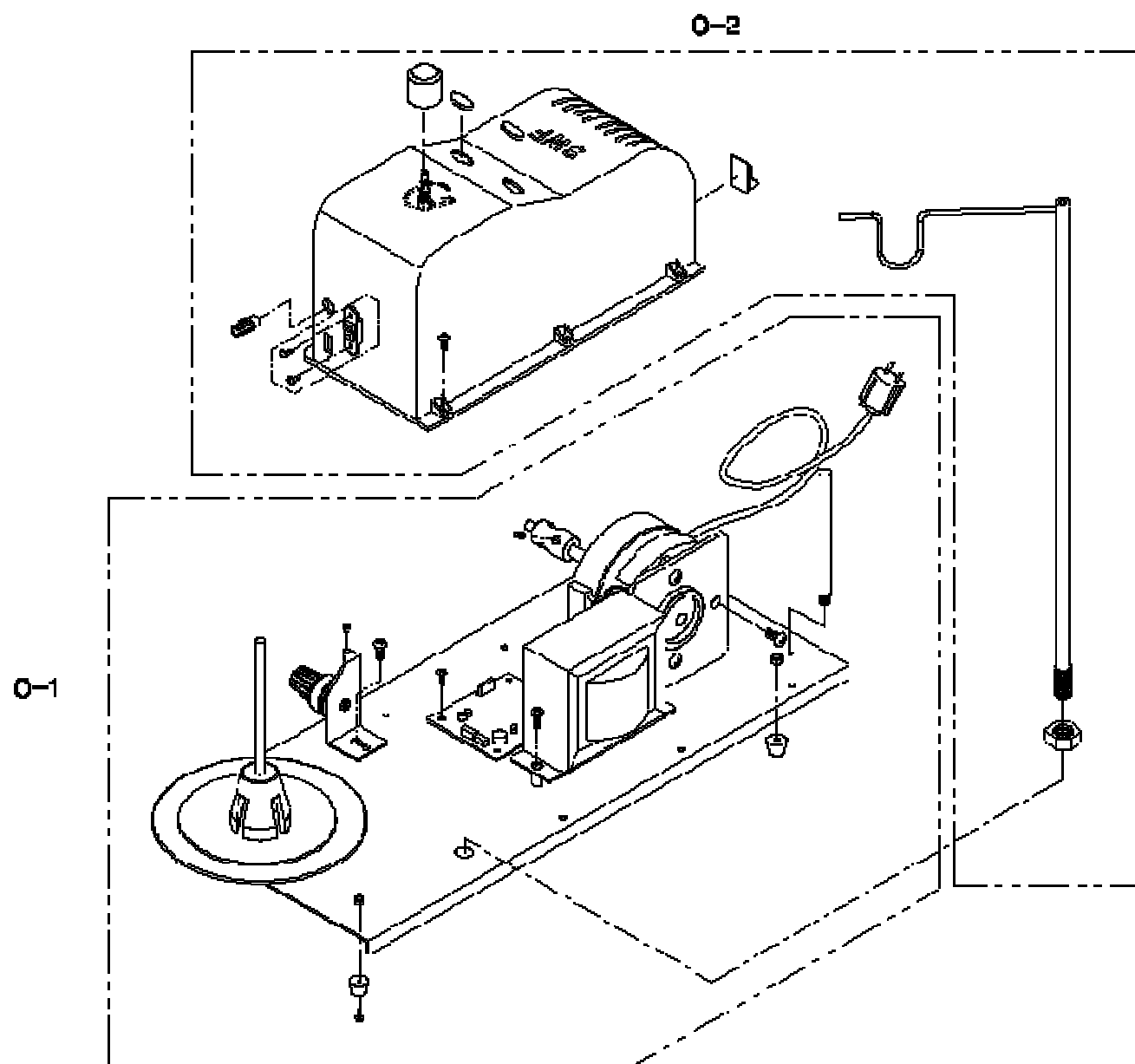
N-3-13

N-3-11

N-3-10

Note	
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Bobbin Winder



Note

O-2

This diagram illustrates the assembly of a device, likely a small electronic or mechanical unit. The main component is a rectangular box with a curved top and a fan grille on the right side. The assembly includes the following parts:

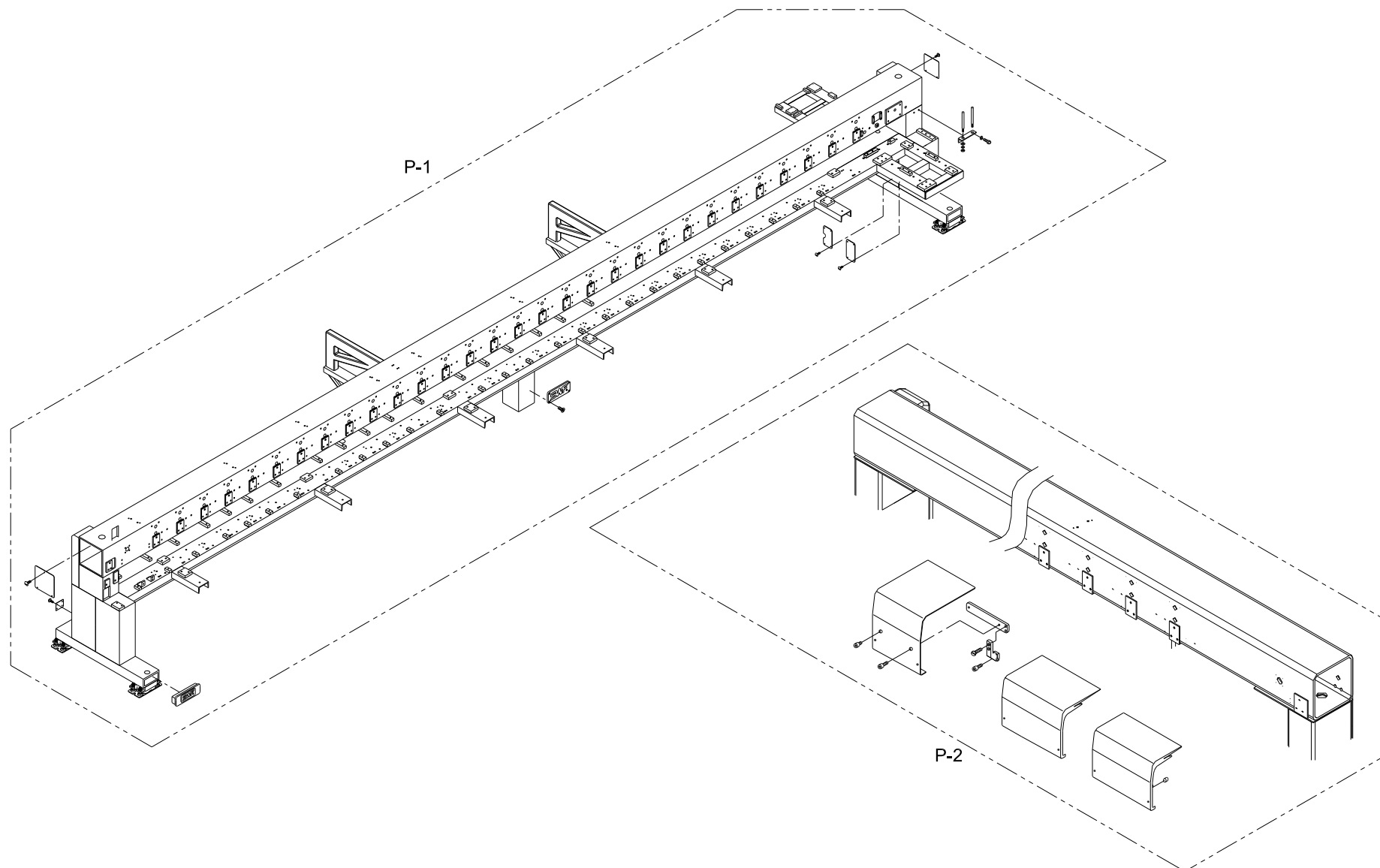
- O-2-1**: A long vertical rod or post.
- O-2-2**: A screw used to secure the base of the rod.
- O-2-3**: A small rectangular plate or bracket.
- O-2-4**: A small cylindrical component, possibly a cap or plug.
- O-2-5**: A small screw or pin used for internal assembly.
- O-2-6**: A small circular component, possibly a washer or gasket.
- O-2-7**: A small cylindrical component, possibly a cap or plug.
- O-2-8**: A small circular component, possibly a washer or gasket.
- O-2-9**: A small circular component, possibly a washer or gasket.
- O-2-10**: A U-shaped bracket or support.
- O-2-11**: A small rectangular plate or bracket.

The diagram shows the relative positions and orientations of these components, indicating how they are assembled onto the main unit.

Note

0

Cover



[illegible]

P-2

The diagram illustrates the assembly of the P-2 system. It features a long, narrow main unit with a curved front panel. Several components are shown in an exploded view, indicating their assembly points:

- P-2-1**: A curved front panel that fits into the main unit.
- P-2-2**: A small rectangular component that fits into the front panel.
- P-2-3**: A small rectangular component that fits into the front panel.
- P-2-4**: A small rectangular component that fits into the front panel.
- P-2-5**: A small rectangular component that fits into the front panel.
- P-2-6**: A small rectangular component that fits into the front panel.
- P-2-7**: A small rectangular component that fits into the front panel.
- P-2-8**: A curved front panel that fits into the main unit.
- P-2-9**: A curved front panel that fits into the main unit.
- P-2-10**: A small rectangular component that fits into the front panel.

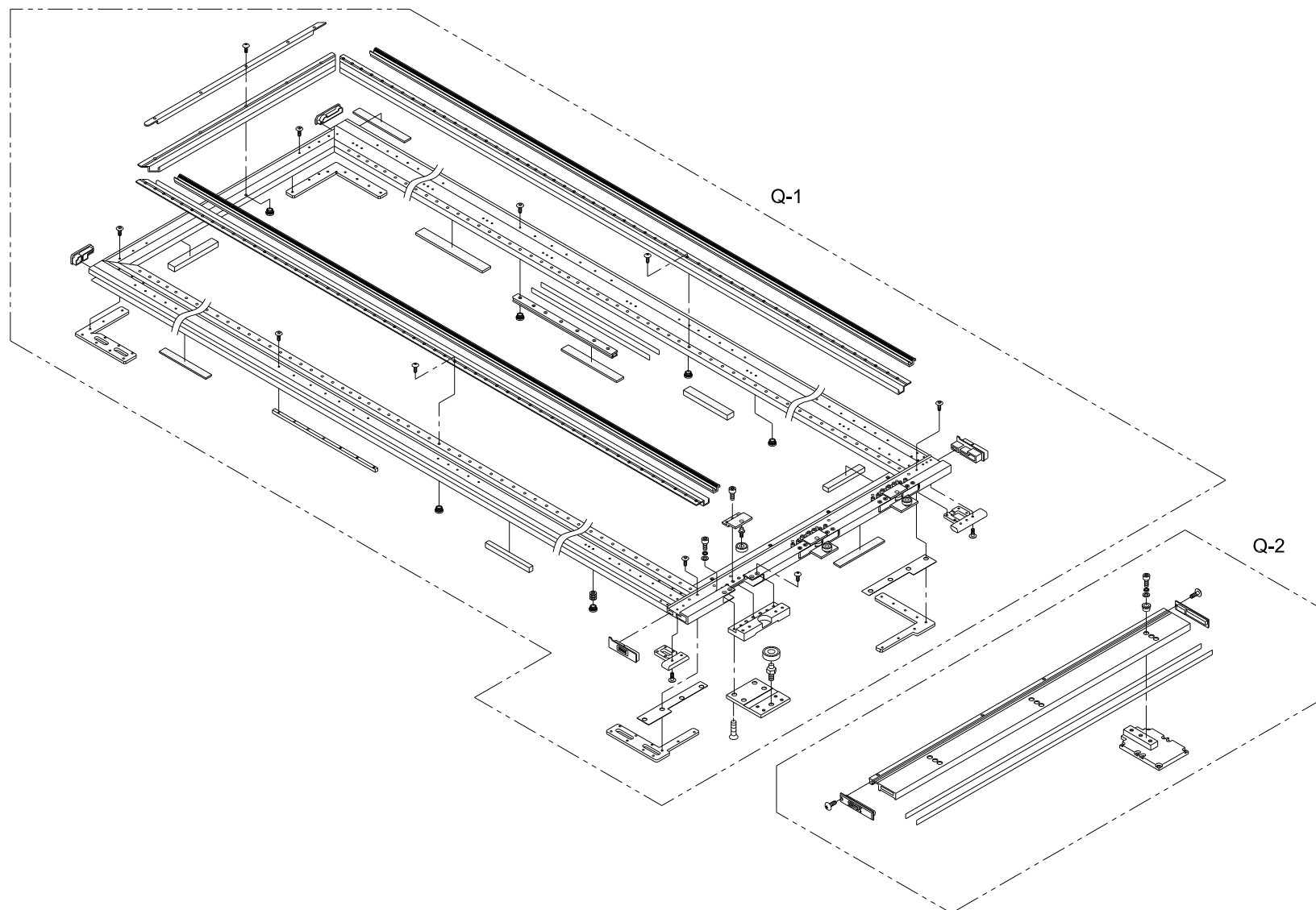
Note



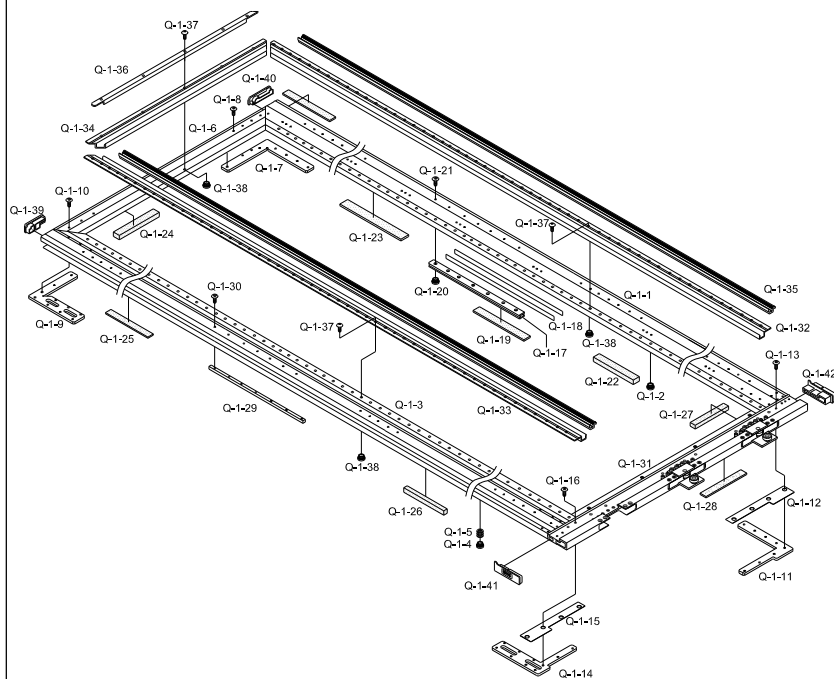
Q

SWF

Frame



Q-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
Q-1-1	GP-029866-00	Rear Sash "A"	May.02.07	X		1	
	GP-029866-01	Rear Sash "A"	Jul.04.07	△		1	
Q-1-2	10500200F000	Frame Bushing A				21	
Q-1-3	GP-029867-00	Rear Sash	May.02.07	X		1	
	GP-029867-01	Rear Sash	Jul.04.07	△		1	
Q-1-4	10500200F000	Frame Bushing A				21	
Q-1-5	10502300F000	Frame Bushing "C" Washer				63	
Q-1-6	10501200F000	Y-Axis Sash (L)				1	
Q-1-7	10501700F000	Left Corner Guide (A)				1	
Q-1-8	18014SC-7113	Truss Screw (M4*L9)			○	10	
Q-1-9	10501800F000	Left Corner Guide (B)				1	
Q-1-10	10501800F000	Left Corner Guide (B)				14	
Q-1-11	10501900F000	Left Corner Guide (C)				1	
Q-1-12	10502000F000	Y-Axis Corner Guide (A)				1	
Q-1-13	18014SC-7113	Truss Screw (M4*L9)			○	11	
Q-1-14	10502100F000	Right Corner Guide (D)				1	
Q-1-15	10502200F000	Y-Axis Corner Guide (B)				1	
Q-1-16	18014SC-7113	Truss Screw (M4*L9)			○	14	
Q-1-17	GP-030034-00	Frame Guide Rail A	May.06.07	X		6	
Q-1-18	GP-030035-00	Guide Rail Plate	May.06.07	X		12	
Q-1-19	10500100H000	Frame Felt "V"				8	
Q-1-20	10500200H000	Bushing Nut "A"				28	
Q-1-21	18048SC-7113	Hex.Socket Bolt (M5*L12)			○	28	
Q-1-22	10500300F000	Frame Felt				57	
Q-1-23	18067SF-AE00	Frame Felt (G) 2.5T L650 B19				3	
Q-1-24	10500300F000	Frame Felt				8	
Q-1-25	10500100H000	Frame Felt "V"				10	
Q-1-26	10500900F000	Frame Felt				57	
Q-1-27	10500300F000	Frame Felt				8	
Q-1-28	10500100H000	Frame Felt "V"				3	
Q-1-29	18051CW-AH20	X-Axis Guide Rail (L=600)				6	
Q-1-30	18014SC-7113	Truss Screw (M4*L9)			○	42	
Q-1-31	10501500F000	Frame (G) L=1040				1	
Q-1-32	GP-029907-00	X- Clamp Support "A"	May.03.07	X		1	
Q-1-33	GP-029907-00	X- Clamp Support "B"	May.03.07	X		1	
Q-1-34	10501400F000	Y-Axis Hose Support				1	
Q-1-35	10500700FSRG	X- Clamp Support Rubber				2	

Q

[illegible]

Note

[illegible]

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

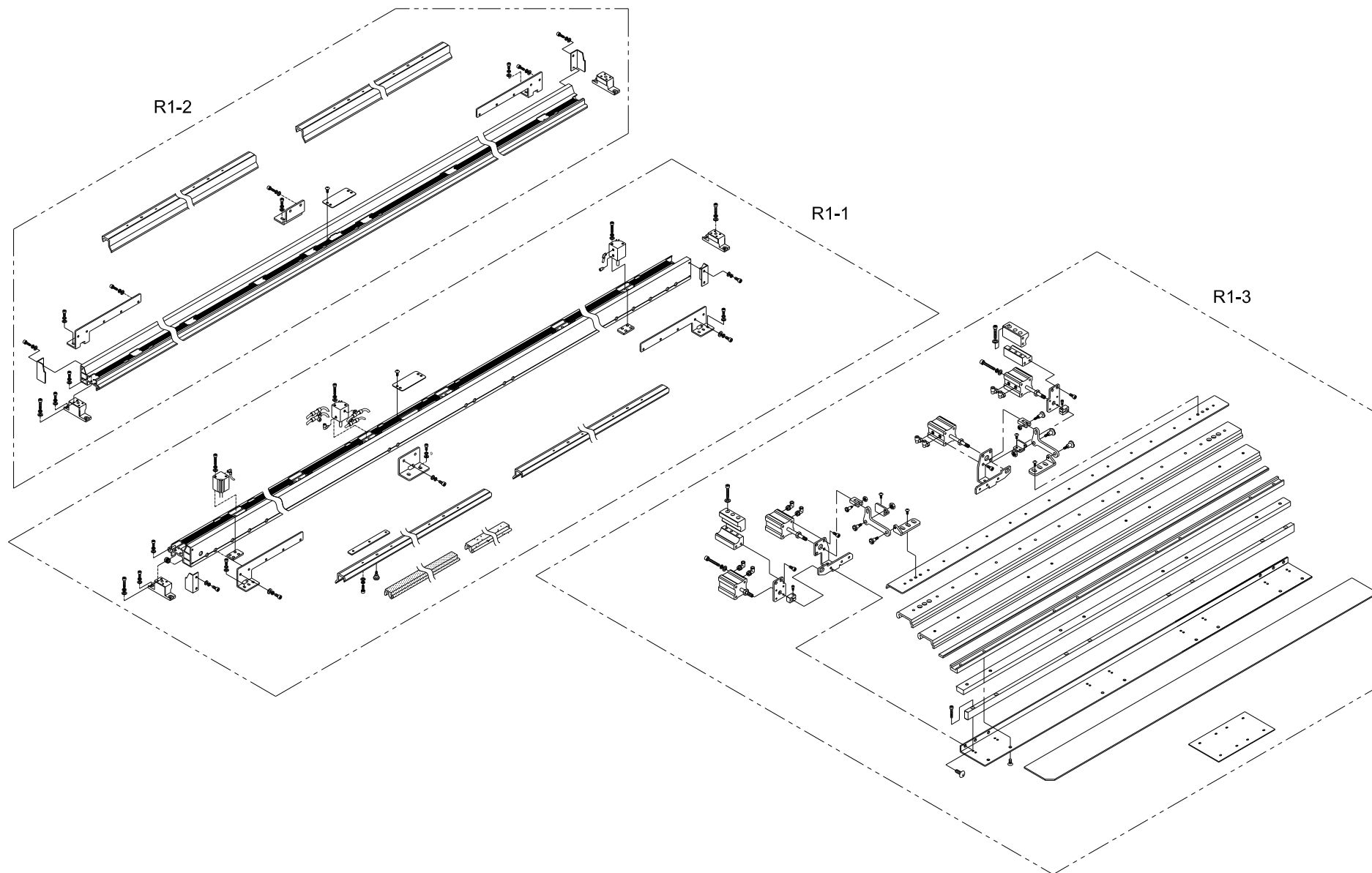
- Q-2-1**: A rectangular base plate with a central circular feature.
- Q-2-2**: A small circular component, likely a pin or washer.
- Q-2-3**, **Q-2-4**, **Q-2-5**: A set of three small circular components, possibly washers or spacers.
- Q-2-6**: A rectangular plate with four mounting holes.
- Q-2-7**, **Q-2-8**: A set of two circular components, likely pins or washers.
- Q-2-9**: A long, thin rectangular component, possibly a rail or guide.
- Q-2-10**, **Q-2-11**, **Q-2-12**: A set of three circular components, likely pins or washers.
- Q-2-13**: A small circular component, likely a pin or washer.
- Q-2-14**: A rectangular plate with a central circular feature.
- Q-2-15**: A small circular component, likely a pin or washer.
- Q-2-16**, **Q-2-17**: A set of two small rectangular components, possibly spacers or guides.
- Q-2-18**: A long, thin rectangular component, possibly a rail or guide.
- Q-2-19**, **Q-2-20**, **Q-2-21**, **Q-2-22**: A set of four small circular components, likely pins or washers.
- Q-2-23**: A rectangular plate with four mounting holes.
- Q-2-24**: A long, thin rectangular component, possibly a rail or guide.
- Q-2-25**, **Q-2-26**, **Q-2-27**: A set of three small rectangular components, possibly spacers or guides.

The diagram shows the assembly sequence for the Q-2 system, with components arranged in a way that indicates their relative positions and how they fit together.

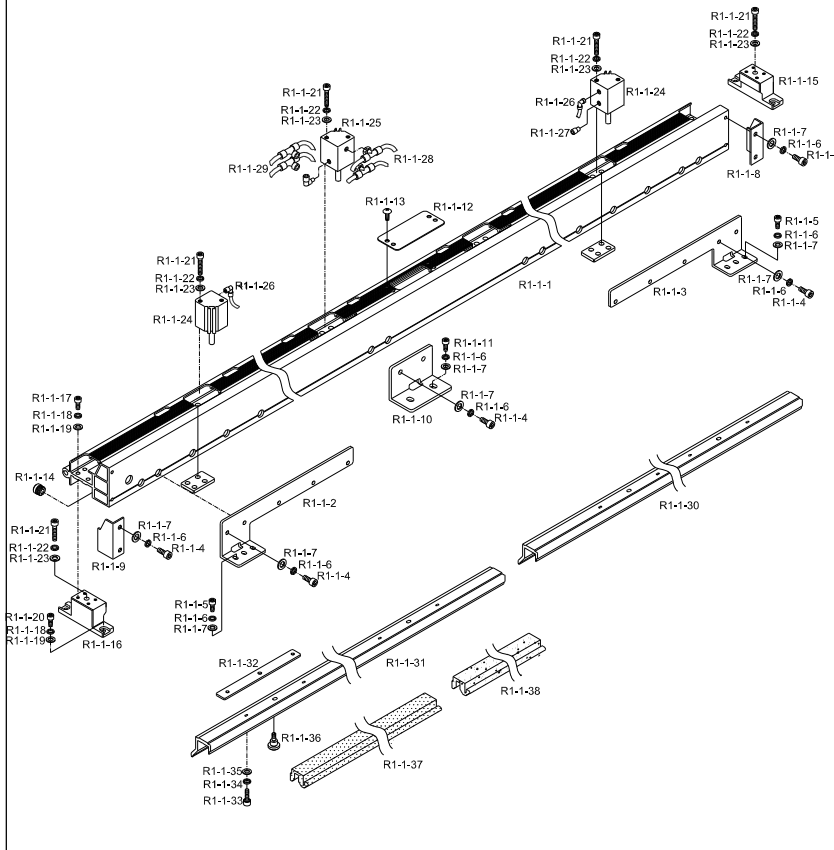
Note

Q

X-Y Clamp



R1-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R1-1-1	GP-036545-00	X-Clamp Cylinder Base (F)	Jan.18.08	X		1	
	GP-036545-01	X-Clamp Cylinder Base (F)	Mar.03.08	△		1	
R1-1-2	GP-032203-00	Fixed Bracket (F-A) for X-Clamp	Jul.04.07	X		1	
R1-1-3	GP-032204-00	Fixed Bracket (F-B) for X-Clamp	Jul.04.07	X		1	
R1-1-4	07016SC-7113	Hex.Socket Bolt (M4*L12)			○	20	
R1-1-5	11029SC-4113	Hex. Socket Bolt (M4*L20)			○	6	
R1-1-6	18014SW-3115	Spring Washer (@4-No2)			○	20	
R1-1-7	18015SW-3111	Washer (4@)			○	20	
R1-1-8	GP-032786-00	Side Cover of Base R	Jul.23.07	X		1	
	GP-032786-01	Side Cover of Base R	Jul.30.07	△		1	
R1-1-9	GP-032787-00	Side Cover of Base L	Jul.23.07	X		1	
	GP-032787-01	Side Cover of Base L	Jul.30.07	△		1	
R1-1-10	GP-032237-00	Moving Bracket (F) for X-Clamp	Jul.04.07	X		3	
R1-1-11		Hex. Socket Bolt				6	
R1-1-12	GP-037254-00	Cylinder Base Cover for X-Clamp	Feb.26.08	X		1	
R1-1-13	02010SC-3123	Truss Screw (M4*L8)			○	4	
R1-1-14	11200700F000	X-Clamp Bushing Screw				44	
R1-1-15	11201200F000	Cylinder Base Bracket "A"				1	
R1-1-16	11201300F000	Cylinder Base Bracket "B"				1	
R1-1-17	07016SC-7113	Hex.Socket Bolt (M4*L12)			○	8	
R1-1-18	18014SW-3115	Spring Washer (@4-No2)			○	12	
R1-1-19	18015SW-3111	Washer (4@)			○	12	
R1-1-20	15105SC-7113	Hex.Socket Screw (M4*L15)			○	4	
R1-1-21	15030SC-7113	Hex. Socket Bolt (M5*L30)			○	2	
R1-1-22	18048SW-3115	Spring Washer (5@)			○	2	
R1-1-23	18049SW-3111	Washer (@5)			○	2	
R1-1-24	GP-032930-00	X Clamp Cylinder A CQ2B12-KR-25D	Jul.31.07	X		34	
R1-1-25	GP-032926-00	X Clamp Cylinder B CQ2B12-YB-25D	Jul.31.07	X		4	
R1-1-26	11401110F000	Pitting (Kjl04-M5)				76	
R1-1-27	11401710F000	Pitting (Kjh04-M5)				4	
R1-1-28	11401810F000	Pitting (Kjt04-M5)				13	
R1-1-29	11401310F000	Pitting (Kjt04-00)				60	
R1-1-30	GP-036541-00	X-Clamp Presser Plate F-A	Jan.18.08	X		1	
R1-1-31	GP-036542-00	X-Clamp Presser Plate F-B	Jan.18.08	X		1	
R1-1-32	GP-032905-00	Spacer for X-Clamp Presser Plate	Jul.30.07	X		38	
R1-1-33	13020SC-7113	Hex.Socket Screw(M3 x L8)			○	38	
R1-1-34	11019SW-9115	Spring Washer (3@)			○	38	

R1-1

This exploded view diagram illustrates the assembly of the R1-1 ceiling grid. The main components shown are:

- Grid Panels:** R1-1-1, R1-1-2, R1-1-3, R1-1-4, R1-1-5, R1-1-6, R1-1-7, R1-1-8, R1-1-9, R1-1-10, R1-1-11, R1-1-12, R1-1-13, R1-1-14, R1-1-15, R1-1-16, R1-1-17, R1-1-18, R1-1-19, R1-1-20, R1-1-21, R1-1-22, R1-1-23, R1-1-24, R1-1-25, R1-1-26, R1-1-27, R1-1-28, R1-1-29, R1-1-30, R1-1-31, R1-1-32, R1-1-33, R1-1-34, R1-1-35, R1-1-36, R1-1-37, R1-1-38.
- Supports and Connectors:** R1-1-1-1, R1-1-1-2, R1-1-1-3, R1-1-1-4, R1-1-1-5, R1-1-1-6, R1-1-1-7, R1-1-1-8, R1-1-1-9, R1-1-1-10, R1-1-1-11, R1-1-1-12, R1-1-1-13, R1-1-1-14, R1-1-1-15, R1-1-1-16, R1-1-1-17, R1-1-1-18, R1-1-1-19, R1-1-1-20, R1-1-1-21, R1-1-1-22, R1-1-1-23, R1-1-1-24, R1-1-1-25, R1-1-1-26, R1-1-1-27, R1-1-1-28, R1-1-1-29, R1-1-1-30, R1-1-1-31, R1-1-1-32, R1-1-1-33, R1-1-1-34, R1-1-1-35, R1-1-1-36, R1-1-1-37, R1-1-1-38.
- Fasteners:** R1-1-1-1, R1-1-1-2, R1-1-1-3, R1-1-1-4, R1-1-1-5, R1-1-1-6, R1-1-1-7, R1-1-1-8, R1-1-1-9, R1-1-1-10, R1-1-1-11, R1-1-1-12, R1-1-1-13, R1-1-1-14, R1-1-1-15, R1-1-1-16, R1-1-1-17, R1-1-1-18, R1-1-1-19, R1-1-1-20, R1-1-1-21, R1-1-1-22, R1-1-1-23, R1-1-1-24, R1-1-1-25, R1-1-1-26, R1-1-1-27, R1-1-1-28, R1-1-1-29, R1-1-1-30, R1-1-1-31, R1-1-1-32, R1-1-1-33, R1-1-1-34, R1-1-1-35, R1-1-1-36, R1-1-1-37, R1-1-1-38.

The diagram shows the grid panels being assembled onto a support structure using various connectors and fasteners. The components are labeled with their respective part numbers, and the assembly is shown in a perspective view.

Note

R1

R1-2

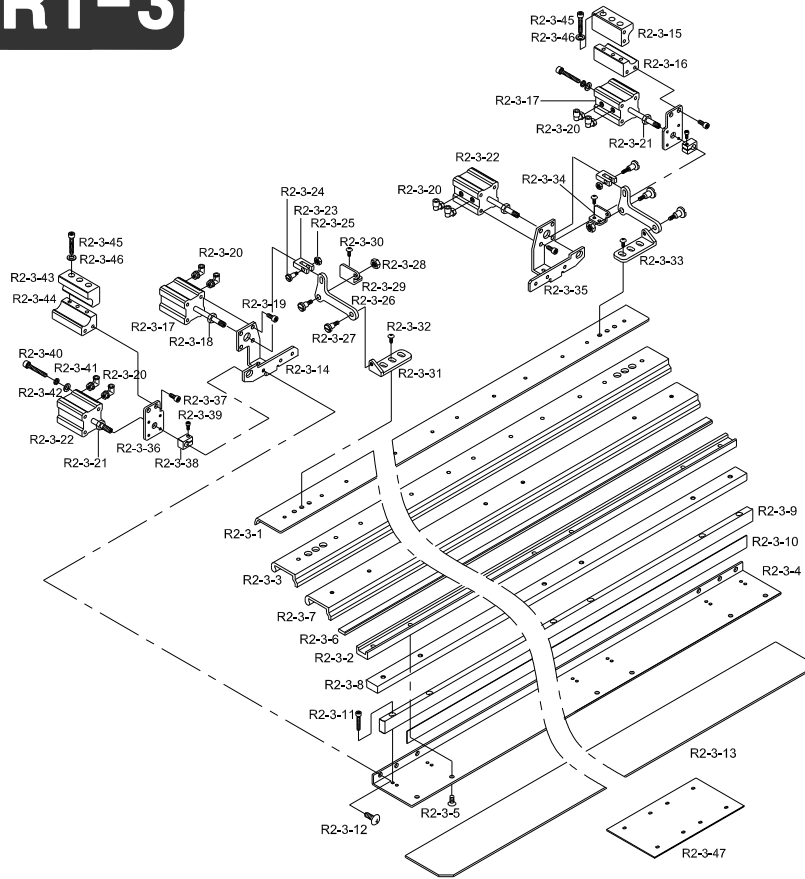
The diagram illustrates the assembly of the R1-2 system. Key components and their assembly points are labeled as follows:

- R2-2-1**: The main horizontal assembly rail.
- R2-2-2**: A vertical support bracket.
- R2-2-3**: A horizontal support bracket.
- R2-2-4**: A small vertical bracket.
- R2-2-5**: A small vertical bracket.
- R2-2-6**: A small vertical bracket.
- R2-2-7**: A small vertical bracket.
- R2-2-8**: A small vertical bracket.
- R2-2-9**: A small vertical bracket.
- R2-2-10**: A small vertical bracket.
- R2-2-11**: A small vertical bracket.
- R2-2-12**: A small vertical bracket.
- R2-2-13**: A small vertical bracket.
- R2-2-14**: A small vertical bracket.
- R2-2-15**: A small vertical bracket.
- R2-2-16**: A small vertical bracket.
- R2-2-17**: A small vertical bracket.
- R2-2-18**: A small vertical bracket.
- R2-2-19**: A small vertical bracket.
- R2-2-20**: A small vertical bracket.
- R2-2-21**: A small vertical bracket.
- R2-2-22**: A small vertical bracket.
- R2-2-23**: A small vertical bracket.
- R2-2-24**: A small vertical bracket.

Note

R1

R1-3

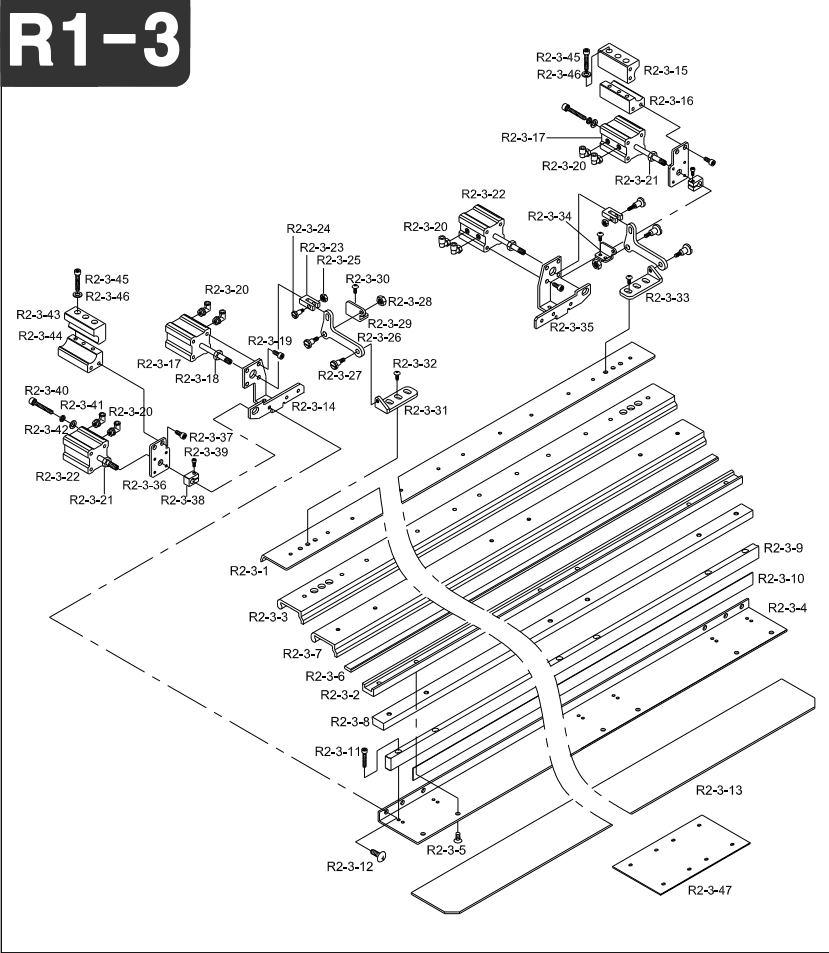


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R1-2-9	GP-023898-00	Y-Clamp Presser Plate	Dec.05.06	X		6	
	GP-023898-01	Y-Clamp Presser Plate	Jun.05.07	△		6	
R1-3-2	GP-023900-00	Y-Clamp Support Plate Rail "A"	Dec.05.06	X		6	
R1-3-3	GP-023897-00	Y-Clamp Presser Plate A	Dec.05.06	X		6	
R1-3-4	GP-023899-00	Y-Clamp Support Plate	Dec.05.06	X		6	
	GP-023899-01	Y-Clamp Support Plate	Jun.05.07	△		6	
R1-3-5	15089SC-7119	C.S Screw (M4*L5)			○	24	
R1-3-6	GP-023893-00	Y-Clamp Support Robber "A"	Dec.05.06	X		6	
R1-3-7	GP-020780-00	Y-Clamp Presser Plate A	Aug.23.06	X		6	
R1-3-8	GP-020785-00	Y-Clamp Support Plate Rail	Aug.23.06	X		6	
R1-3-9	GP-023901-00	Y-Clamp Support Plate Rail "B"	Dec.05.06	X		6	
	GP-023901-01	Y-Clamp Support Plate Rail "B"	Jun.05.07	△		6	
R1-3-10	GP-023894-00	Y-Clamp Support Robber "B"	Dec.12.05			6	
R1-3-11	09007SC-4113	Hex. Socket Bolt (M3*L12)			○	32	
R1-3-12	15094SC-3123	Truss Screw (M4*L6)			○	36	
R1-3-13	GP-020786-00	Felt for Y-Clamp	Aug.23.06	X		6	
R1-3-14	GP-023902-00	Y-Clamp Cylinder Base (L)	Dec.05.06	X		6	
	GP-023902-01	Y-Clamp Cylinder Base (L)	Jun.05.07	△		6	
R1-3-15	11101400F000	Y-Clamp Fixed Bracket (R,Up)				6	
R1-3-16	11101500F000	Y-Clamp Fixed Bracket (R,DOWN)				6	
R1-3-17	11402010F000	Air Cylinder Cq2B12-25Dm				12	
R1-3-18	11102200F000	Air Cylinder Shaft Nut A				12	
R1-3-19	15105SC-7113	Hex.Socket Screw (M4*L15)			○	32	
R1-3-20	11401110F000	Pitting (Kjl04-M5)				48	
R1-3-21	11102300F000	Air Cylinder Shaft Nut B				12	
R1-3-22	11401910F000	Yclamp Airylinder CQ2B1216-Y1G01-15				12	
R1-3-23	11100300F000	Y-Clamp Cylinder Knuckle				12	
R1-3-24	SC-001611-00	Y Cylinder Knuckle Screw	Jan,13,09 ~	X		12	
R1-3-25	11014SN-1211	Hex.Nut (M3-No2)			○	12	
R1-3-26	GP-023895-00	Y-Clamp Drive Lever	Dec.05.06	X		12	
	GP-023895-01	Y-Clamp Drive Lever	Jun.05.07	△		12	
R1-3-27	GP-020773-00	Stud for Driven Lever	Aug.23.06	X		24	
	GP-020773-01	Stud for Driven Lever	Jun.05.07	△		24	
R1-3-28	02029SN-9311	Hex. Nut (M4-No2)			○	16	
R1-3-29	GP-020778-00	Y-Clamp Drive Link Bracket(R)	Aug.23.06	X		6	
	GP-020778-01	Y-Clamp Drive Link Bracket(R)	Jun.05.07	△		6	
R1-3-30	15042SC-3123	Truss Screw (M4*L6)			○	24	

R1

R1-3

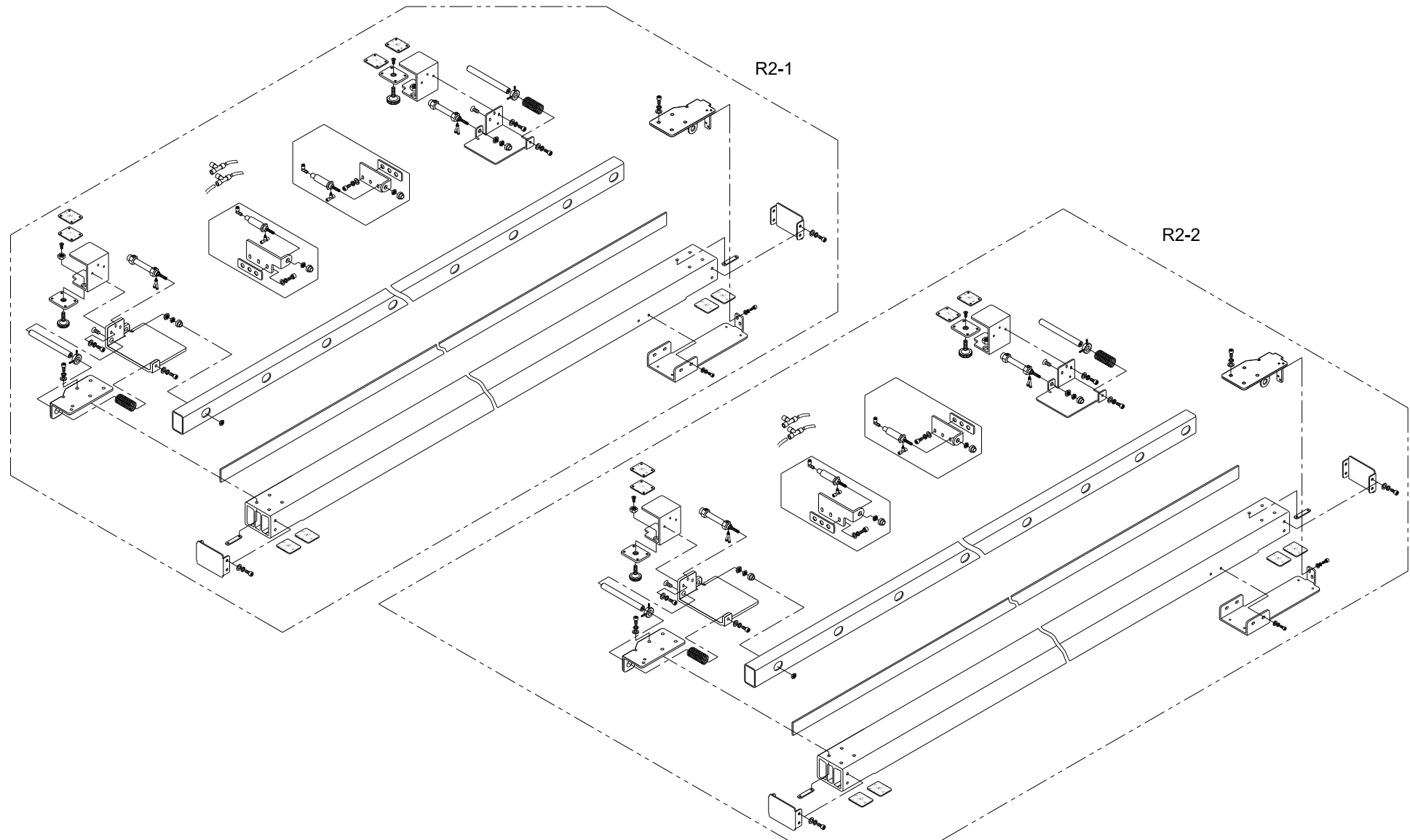


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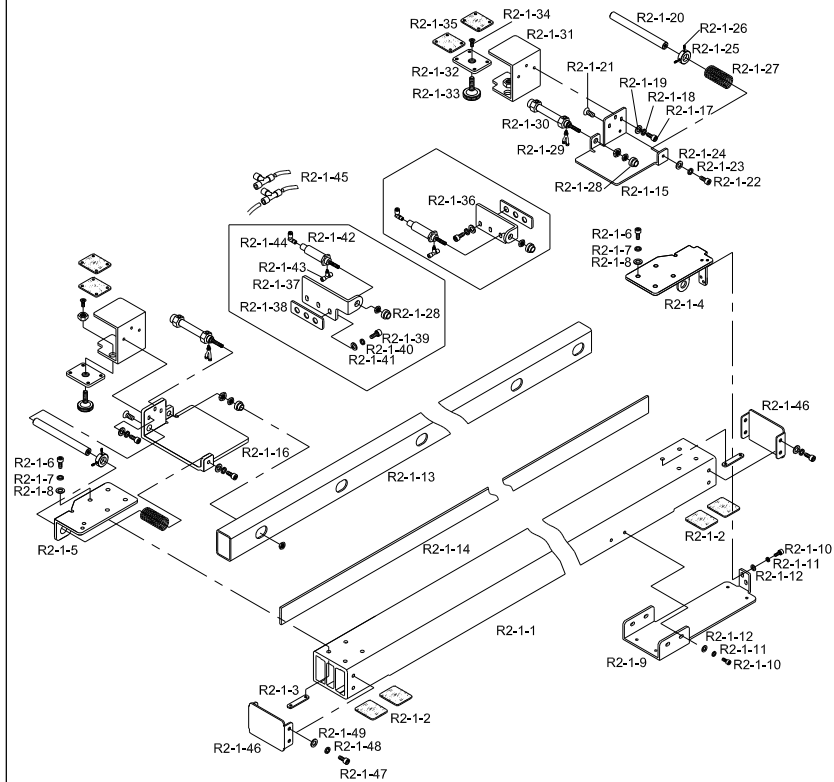
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R1

Front-Rear Clamp



R2-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R2-1-1	GP-036704-00	Front Clamp Supporter	Jan.25.08	X		1	
	GP-036704-01	Front Clamp Supporter	Feb.21.08	△		1	
R2-1-2	11301600F000	Front Clamp Support Felt				4	
R2-1-3	GP-031864-00	Front Clamp Support Nut	Jun.22.07	X		8	
R2-1-4	GP-031865-00	Front Clamp Support Bracket R	Jun.22.07	X		1	
R2-1-5	GP-031866-00	Front Clamp Support Bracket L	Jun.22.07	X		1	
R2-1-6	15105SC-7113	Hex.Socket Screw (M4*L15)			○	8	
R2-1-7	18014SW-3115	Spring Washer (4@)			○	8	
R2-1-8	18015SW-3111	Washer (4@)			○	8	
R2-1-9	GP-030018-00	Bar Switch Barcket	May.04.07	X		1	
	GP-030018-01	Bar Switch Barcket	Jun.27.07	△		1	
R2-1-10	07016SC-7113	Hex.Socket Bolt (M4*L12)			○	6	
R2-1-11	18014SW-3115	Spring Washer (4@)			○	6	
R2-1-12	18015SW-3111	Washer (4@)			○	6	
R2-1-13	GP-036702-00	Front Clamp Presser	Jan.25.08	X		1	
R2-1-14	GP-036703-00	Rubber for Front-Rear Clamp Presser Bar	Jan.25.08	X		1	
R2-1-15	GP-031868-00	Front Clamp Base (R)	Jun.22.07	X		1	
R2-1-16	GP-032557-00	Front Clamp Base (L)	Jul.12.07	X		1	
R2-1-17	02031SC-7113	Hex. Socket Screw (M5*L10)			○	6	
R2-1-18	18048SW-3115	Spring Washer (5@)			○	6	
R2-1-19	18049SW-3111	Washer (@5)			○	6	
R2-1-20	ST-000029-00	Front Clamp Control Shaft	Jan,13,09 ~	X		8	
R2-1-21	02023SC-7113	Plus Screw (M4*L8)			○	2	
R2-1-22	08076SC-7113	Hex. Socket Bolt (M5*L12)			○	2	
R2-1-23	18048SW-3115	Spring Washer (5@)			○	2	
R2-1-24	18049SW-3111	Washer (@5)			○	2	
R2-1-25	11300400F000	Front Clamp Control Collar				2	
R2-1-26	07009SC-4517	Hex.Socket Set Screw (M5*L6)			○	4	
R2-1-27	11300500F000	Front Clamp Cushion Spring				2	
R2-1-28	11302510F000	Front C-Cylinder Shaft Bush				7	
R2-1-29	11401110F000	Pitting (Kjl04-M5)				76	
R2-1-30	11402110F000	Front Cylinder Cm2B20-Kre0345				2	
R2-1-31	11300900F000	Front Clamp Bracket (L)				5	
R2-1-32	11301210F000	Front Clamp Support Plate (L)				8	
R2-1-33	11301000F000	Fabric Guide Bracket Screw				8	
R2-1-34	05007SC-7113	Plus Screw (M3*L5)			○	2	
R2-1-35	11301400F000	Front Clamp Plate Rubber (L)				4	

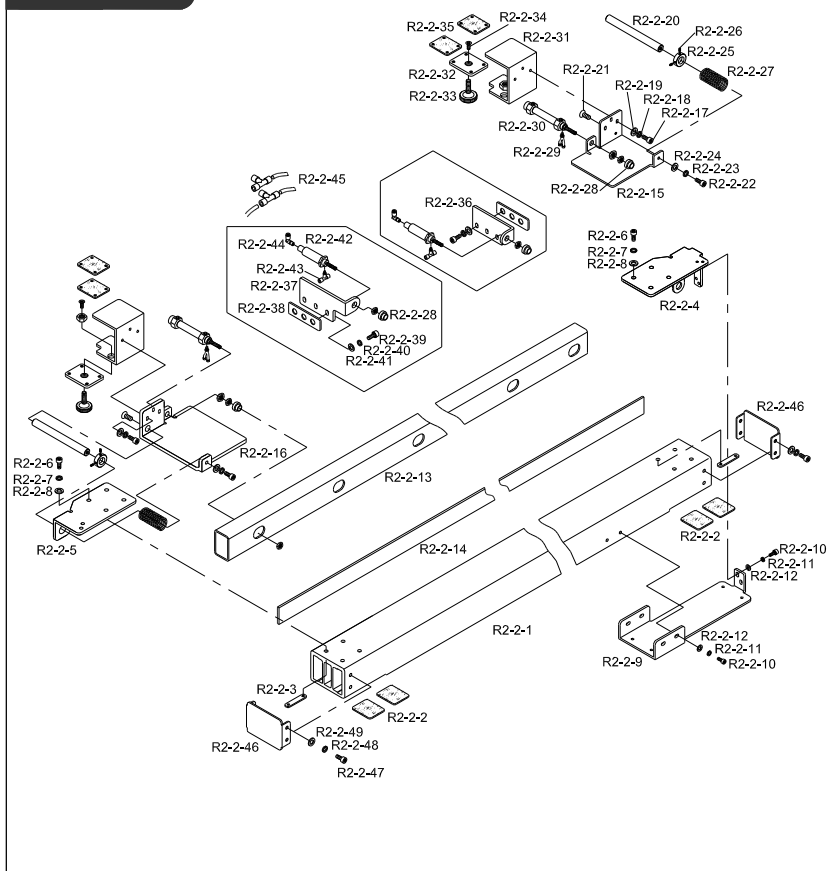
R2

[illegible]

Note

R2

R2-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
R2-2-1	GP-036701-00	Rear Clamp Supporter	Jan.25.08	X		1	
	GP-036701-01	Rear Clamp Supporter	Feb.21.08	△		1	
R2-2-2	11301600F000	Front Clamp Support Felt				4	
R2-2-3	GP-031864-00	Front Clamp Support Nut	Jun.22.07	X		8	
R2-2-4	GP-031865-00	Front Clamp Support Bracket R	Jun.22.07	X		1	
R2-2-5	GP-031866-00	Front Clamp Support Bracket L	Jun.22.07	X		1	
R2-2-6	15105SC-7113	Hex.Socket Screw (M4*L15)			○	8	
R2-2-7	18014SW-3115	Spring Washer(4@)			○	8	
R2-2-8	18015SW-3111	Washer (4@)			○	8	
R2-2-9	GP-030018-00	Bar Switch Barcket	May.04.07	X		1	
	GP-030018-01	Bar Switch Barcket	Jun.27.07	△		1	
R2-2-10	07016SC-7113	Hex.Socket Bolt (M4*L12)			○	6	
R2-2-11	18014SW-3115	Spring Washer(4@)			○	6	
R2-2-12	18015SW-3111	Washer (4@)			○	6	
R2-2-13	GP-036699-00	Rear Clamp Presser	Jan.25.08	X	○	1	
R2-2-14	GP-036700-00	Rubber for Front-Rear Clamp Presser Bar	Jan.25.08	X		1	
R2-2-15	11304500F000	Rear Clamp Base (R)				1	
R2-2-16	11304600F000	Rear Clamp Base (L)				1	
R2-2-17	02031SC-7113	Hex. Socket Screw(M5*L10)			○	6	
R2-2-18	18048SW-3115	Spring Washer (5@)			○	6	
R2-2-19	18049SW-3111	Washer (@5)			○	6	
R2-2-20	ST-000029-00	Front Clamp Control Shaft	Jan,13,09 ~	X		8	
R2-2-21	02023SC-7113	Plus Screw (M4*L8)			○	2	
R2-2-22	08076SC-7113	Hex. Socket Bolt (M5*L12)			○	2	
R2-2-23	18048SW-3115	Spring Washer (5@)			○	2	
R2-2-24	18049SW-3111	Washer (@5)			○	2	
R2-2-25	11300400F000	Front Clamp Control Collar				2	
R2-2-26	07009SC-4517	Hex.Socket Set Screw (M5*L6)			○	4	
R2-2-27	11300500F000	Front Clamp Cushion Spring				2	
R2-2-28	11302510F000	Front C-Cylinder Shaft Bush				7	
R2-2-29	11401110F000	Pitting (Kjl04-M5)				76	
R2-2-30	11402110F000	Front Cylinder Cm2B20-Kre0345				2	
R2-2-31	11300900F000	Front Clamp Bracket (L)				5	
R2-2-32	11301210F000	Front Clamp Support Plate (L)				8	
R2-2-33	11301000F000	Fabric Guide Bracket Screw				8	
R2-2-34	05007SC-7113	Plus Screw (M3*L5)			○	2	
R2-2-35	11301400F000	Front Clamp Plate Rubber (L)				4	

R2

R2-2

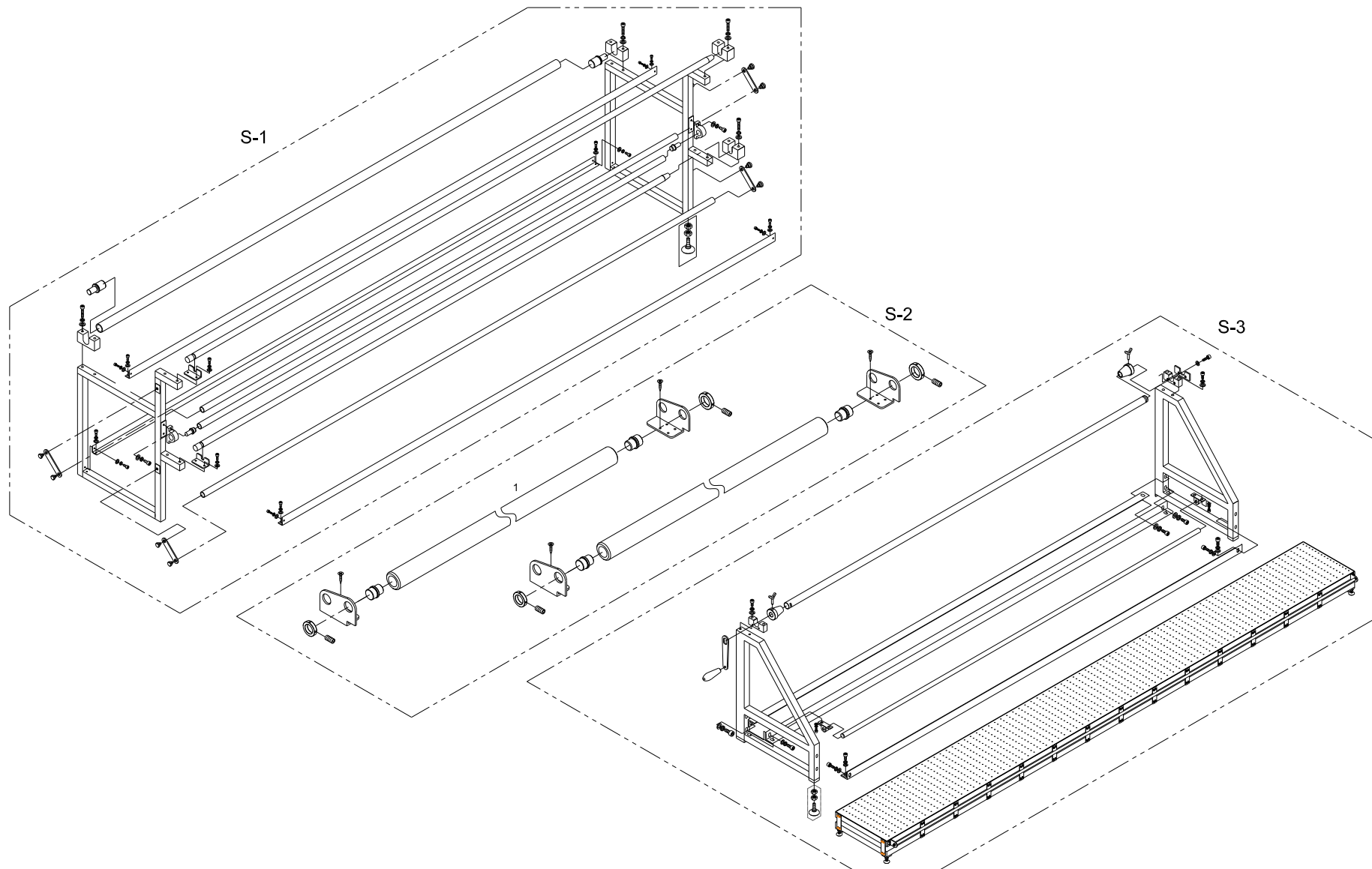
The diagram illustrates the assembly of the R2-2 unit, showing the following components and their assembly sequence:

- Base Components:** R2-2-1 (Main chassis), R2-2-2 (Front panel), R2-2-3 (Top cover), R2-2-4 (Rear panel), R2-2-5 (Left side panel), R2-2-6 (Right side panel), R2-2-7 (Top cover), R2-2-8 (Rear panel), R2-2-9 (Front panel), R2-2-10 (Top cover), R2-2-11 (Rear panel), R2-2-12 (Front panel), R2-2-13 (Top cover), R2-2-14 (Rear panel), R2-2-15 (Front panel), R2-2-16 (Top cover), R2-2-17 (Rear panel), R2-2-18 (Front panel), R2-2-19 (Top cover), R2-2-20 (Rear panel), R2-2-21 (Front panel), R2-2-22 (Top cover), R2-2-23 (Rear panel), R2-2-24 (Front panel), R2-2-25 (Top cover), R2-2-26 (Rear panel), R2-2-27 (Front panel), R2-2-28 (Top cover), R2-2-29 (Rear panel), R2-2-30 (Front panel), R2-2-31 (Top cover), R2-2-32 (Rear panel), R2-2-33 (Front panel), R2-2-34 (Top cover), R2-2-35 (Rear panel), R2-2-36 (Front panel), R2-2-37 (Top cover), R2-2-38 (Rear panel), R2-2-39 (Front panel), R2-2-40 (Top cover), R2-2-41 (Rear panel), R2-2-42 (Front panel), R2-2-43 (Top cover), R2-2-44 (Rear panel), R2-2-45 (Front panel), R2-2-46 (Top cover), R2-2-47 (Rear panel), R2-2-48 (Front panel), R2-2-49 (Top cover), R2-2-50 (Rear panel).
- Assembly Sequence:**
 - Install R2-2-2, R2-2-3, R2-2-4, R2-2-5, R2-2-6, R2-2-7, R2-2-8, R2-2-9, R2-2-10, R2-2-11, R2-2-12, R2-2-13, R2-2-14, R2-2-15, R2-2-16, R2-2-17, R2-2-18, R2-2-19, R2-2-20, R2-2-21, R2-2-22, R2-2-23, R2-2-24, R2-2-25, R2-2-26, R2-2-27, R2-2-28, R2-2-29, R2-2-30, R2-2-31, R2-2-32, R2-2-33, R2-2-34, R2-2-35, R2-2-36, R2-2-37, R2-2-38, R2-2-39, R2-2-40, R2-2-41, R2-2-42, R2-2-43, R2-2-44, R2-2-45, R2-2-46, R2-2-47, R2-2-48, R2-2-49, R2-2-50.

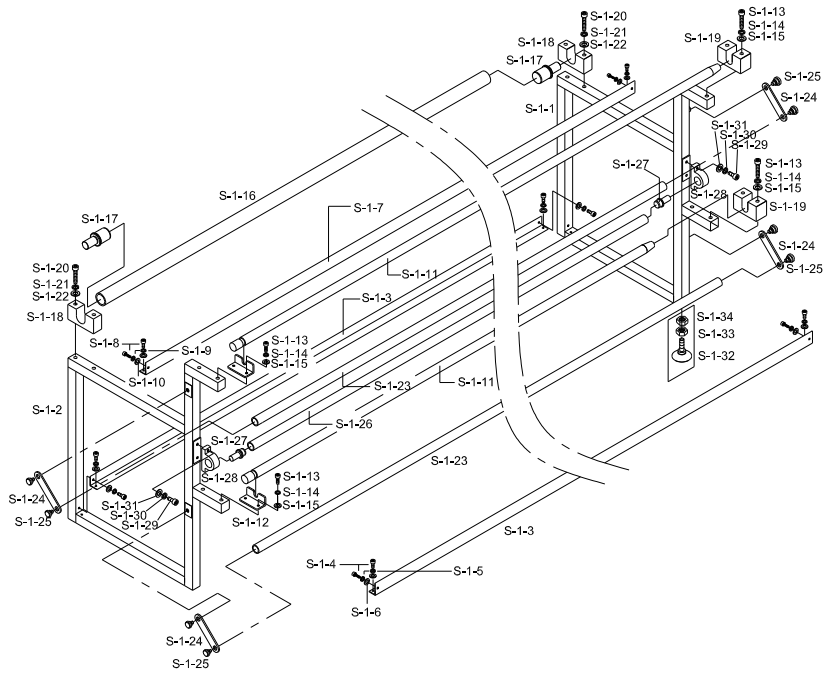
Note

R2

Stand



S-1



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
S-1-1	11700200F000	Fabric Stand "A"				2	
S-1-2	11700300F000	Fabric Stand "B"				2	
S-1-3	GP-029938-00	Fabric Stand Support "A"	May.03.07	X	○	2	
S-1-4	03016SC-4113	Hex. Socket Bolt (M5*L15)			○	8	
S-1-5	18048SW-3115	Spring Washer (@5)			○	8	
S-1-6	18049SW-3111	Washer (@5)			○	8	
S-1-7	GP-029939-00	Fabric Stand Support "B"	May.03.07	X		1	
S-1-8	02031SC-7113	Hex. Socket Screw(M5*L10)			○	2	
S-1-9	18048SW-3115	Spring Washer (@5)			○	2	
S-1-10	18049SW-3111	Washer (@5)			○	2	
S-1-11	GP-029934-00	Roll Guide "A"	May.03.07	X		2	
S-1-12	11702400F000	Roll Guide Base A-1				6	
S-1-13	18047SC-7113	Hex/ Socket Bolt (M5*L15)			○	16	
S-1-14	18049SW-3111	Washer (@5)			○	16	
S-1-15	18048SW-3115	Spring Washer (5@)			○	16	
S-1-16	11701100FSR0	Roll Guide "B" (L=1894)				1	
S-1-17	11701200F000	Roll Guide Bushing				4	
S-1-18	11701310F000	Roll Guide Base "B" New				4	
S-1-19	11700910FSR0	Roll Guide Base "A" New				6	
S-1-20	18047SC-7113	Hex/ Socket Bolt (M5*L15)			○	8	
S-1-21	18048SW-3115	Spring Washer (5@)			○	8	
S-1-22	18049SW-3111	Washer (@5)			○	8	
S-1-23	GP-029937-00	Tension Control Guide "A"	May.03.07	X		2	
S-1-24	11701600F000	Tension Control Guide Link				8	
S-1-25	11701700F000	Tension Control Guide Screw				16	
S-1-26	GP-029943-00	Fabric Guide "A" (L=1910)	May.03.07	X		1	
	GP-029943-01	Fabric Guide "A" (L=1910)	Jun.27.07	△		1	
S-1-27	11702100F000	Fabric Guide Bushing				4	
S-1-28	11702200F000	Fabric Guide Bushing Bearing				4	
S-1-29	08076SC-7113	Hex. Socket Bolt (M5*L12)			○	8	
S-1-30	18048SW-3115	Spring Washer (5@)			○	8	
S-1-31	18049SW-3111	Washer (@5)			○	8	
S-1-32	01002SC-T121	Body Bolt Set				8	
S-1-33	14032SW-3115	Spring Washer (12@)			○	8	
S-1-34	14033SN-8211	Hex.Nut (M12-No2)			○	8	
S-1-35	ME-014603	Fabric Stand Mechanism	May,03,07 ~	X		1	

The diagram shows two identical S-2-1 components, which are long cylindrical rods with a central break. Each rod is shown with its associated hardware in an exploded view. The hardware includes a bracket (S-2-6), a screw (S-2-7), a washer (S-2-3), a nut (S-2-4), and a small pin (S-2-5). The components are arranged in two rows, with the top row showing the assembly from the left and the bottom row showing the assembly from the right.

Note

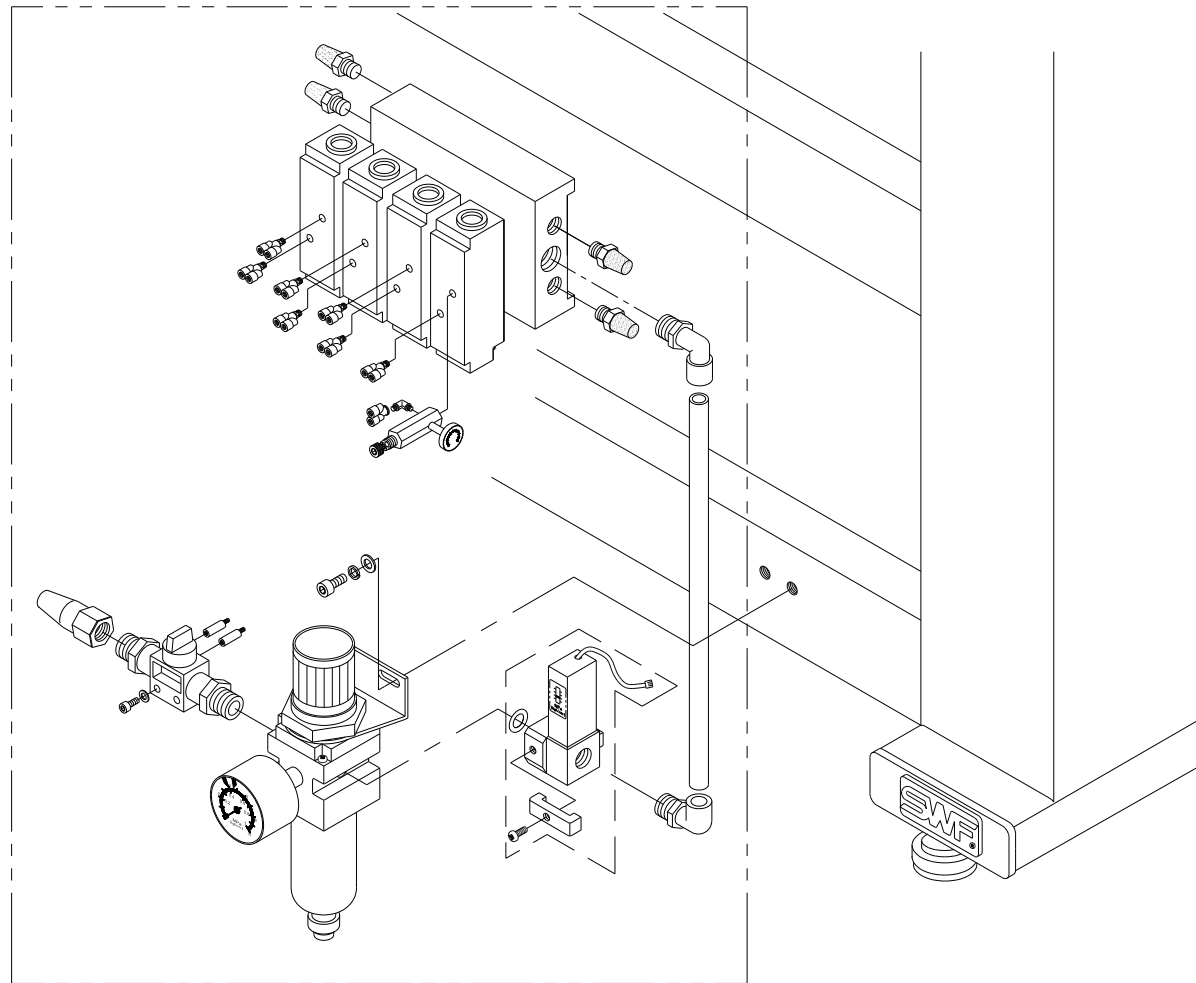


Note



Pneumatic

T-1



T-1

This exploded view diagram illustrates the assembly of the T-1 system. The main components and their assembly points are labeled as follows:

- T-1-1**: The central vertical assembly, including a pressure gauge and a control knob.
- T-1-2**: A rectangular control unit with a cable, shown in a dashed box.
- T-1-3**: A vertical pipe or tube that connects to the main assembly.
- T-1-4**: A small rectangular component, likely a solenoid or valve actuator, which is mounted on the main assembly.
- T-1-5**: A connector or fitting that attaches to the side of the main assembly.
- T-1-6**: A small component, possibly a switch or sensor, mounted on the side of the main assembly.
- T-1-7**: A small screw or fastener used to secure the side components.
- T-1-8**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-9**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-10**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-11**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-12**: A rectangular component, likely a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-13**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-14**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-15**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-16**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-17**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-18**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.
- T-1-19**: A small component, possibly a solenoid or valve actuator, mounted on the side of the main assembly.



U. Index

Part No.	Part Name	Page	Ref.No
01001100H00	Ball Bearing (6004Zz)	18	B-5-2
01001100H000	Ball Bearing (6005Zz)	34	E-1-24
01001100I004	Table Support (Rear_L)	74	K-2-17
01001200I004	Table Support (Rear_R)	74	K-2-18
01001500B000	Spool Stand (L=280)	70	J-1-17
01-002B-AU12	FAN Cover	81	M-2-20
01-002B-OT10	Pressing Plate for LCD	85	M-4-4
01-002M-AU12	Fixing Screw for Fan	81	M-2-18
01002SC-T121	Body Bolt Set	115	S-1-32
01002SC-T121	Body Bolt Set	117	S-3-23
01-003B-SW63	DOOR LOCK	88	M-5-15
01-003S-BT01	Caution Sticker	80	M-1-20
01-004S-BT01	Fan Cleaning Sticker	81	M-2-15
01008SW-9115	Spring Washer (@10)	73	K-1-7
01-016A-DU33	Speaker	86	M-4-28
01029BR-A001	Ball Bearing(6004ZZ)	36	E-2-7
01100100H000	Rotary Hook Base	12	A-2-1
01100210H000	Hook Shaft	12	A-2-7
01100310H000	Hook Shaft Bush	12	A-2-10
01100400B000	I Bolt(Set)	11	A-1-3
01100400H000	Bearing Cover	12	A-2-19
01101300A000	Hook Shaft Collar	14	B-1-4
01101800B000	Mes Adjusting Bushing	32	D-4-13
01-102B-OT10	Insulation Bush(B)	86	M-4-26
01300000B000	Mes Driving Crank Assy	32	D-4-22
01300200H000	Oil Pump Adapter	26	C-6-5
01300300H000	Oil Pump Hose Insert	25	C-5-1
01300300H000	Oil Pump Hose Insert	25	C-5-9
01300300H000	Bed Oil Hose Insert	25	C-5-17
01300300H000	Oil Pump Hose Insert	26	C-6-6
01300300H000	Oil Pump Hose Insert	26	C-6-17
01300400H000	Oil Pump Compression Sleeve	25	C-5-2
01300400H000	Oil Pump Compression Sleeve	25	C-5-10
01300400H000	Bed Oil Compression Sleeve	25	C-5-18
01300400H000	Oil Pump Compression Sleeve	26	C-6-7
01300400H000	Oil Pump Compression Sleeve	26	C-6-18
01300500H000	Oil Pump Compression Bushing	25	C-5-3
01300500H000	Oil Pump Compression Bushing	25	C-5-11
01300500H000	Bed Oil Compression Bushing	25	C-5-19
01300500H000	Oil Pump Compression Bushing	26	C-6-8
01300500H000	Oil Pump Compression Bushing	26	C-6-19
01300600H000	Oil Pump Hose (@4)	26	C-6-9
01300900H000	Mos Metering Valve	25	C-5-16
01301000H000	Valve Junction Connect Hose	25	C-5-22
01301100H000	Bed Oil Supply Hose "A"	25	C-5-20
01301200H000	Bed Oil Supply Hose "B"	25	C-5-21
01301500H000	Bed Oil Supply Hose Holder	25	C-5-24
01301600H000	Oil Supply Nipple	25	C-5-23
01301900H000	Close Plug (M8*1.0)	25	C-5-26
01302210H000	Stop Valve (1/8)	26	C-6-12
01302400H000	Stop Valve Adapter Hose (@4)	26	C-6-16

Part No.	Part Name	Page	Ref.No
01302400H000	Stop Valve Adapter Hose (@4)	26	C-6-20
01302600H000	Stop Valve Adapter	26	C-6-15
01302700U000	Mos Metering Valve Junction	25	C-5-12
01303700H000	Tension Plate Pin	39	F-1-29
01303800H000	Oil Hose @4	25	C-5-8
01303900H000	Distribution Junction	25	C-5-4
02000100T000	MAGNETIC SWITCH SET	76	L-1-22
02000400B000	CABLE COVER HOLDER	78	L-2-6
02000910T000	MAGNETIC S/W FIXED BRACKET	76	L-1-20
02001300T000	BRACKET STOPPER (CE)	76	L-1-21
02-001A-UI12	Color Change Board 9C	45	F-4-17
02-001A-UI12	Color Change Board (9C)	45	F-4-19
02-001B-SW67	Switch Cover	84	M-3-26
02001DC-A001	Brand Mark	97	P-1-8
02002PM-D092	Top Shaft Cover "B"	98	P-2-9
02002SC-7119	Plus Screw (M4*L8)	92	N-3-14
02002SC-7119	Plus Screw (M4*L8)	97	P-1-9
02003MC-8118	UNDER THREAD PRESSER SCREW	32	D-4-8
02004BR-T121	Hook Shaft Bearing Washer	12	A-2-9
02-009A-8180	Ball Bearing (6004NR)	53	H-2-9
02-009A-8180	Ball Bearing (6005NR)	53	H-2-22
02-009A-8180	BALL BEARING 6004NR	59	H-6-15
02-009A-8180	Ball Bearing 6004NR	59	H-6-25
02009SC-A001	Side Cover Screw	17	B-4-5
02009SC-A001	Side Cover Screw	21	C-1-6
02009SC-A001	Bracket Screw	67	I-3-9
02010SC-3123	Truss Screw (M4*L8)	48	G-2-10
02010SC-3123	Truss Screw (M4*L8)	65	I-1-51
02010SC-3123	TRUSS SCREW (M4*L8)	70	J-1-2
02010SC-3123	Truss Screw (M4*L8)	91	N-2-26
02010SC-3123	Truss Screw (M4*L8)	92	N-3-6
02010SC-3123	Truss Screw (M4*L8)	97	P-1-4
02010SC-3123	Truss Screw (M4*L8)	102	Q-2-2
02010SC-3123	Truss Screw (M4*L8)	104	R1-1-13
02010SC-3123	Truss Screw (M4*L8)	106	R1-2-13
02014SC-7113	Hex. Socket Bolt (M4*L5)	40	F-1-33
02014SC-7113	Hex. Socket Bolt (M4*L5)	68	I-4-20
02014SC-7113	Hex. Socket Bolt (M4*L5)	98	P-2-2
02015SC-4113	Hex. Socket Screw (M4*L10)	111	R2-1-47
02015SC-7113	Hex.Socket Bolt(M4*L10)	14	B-1-11
02015SC-7113	Driving Lever Pin Screw	16	B-3-9
02015SC-7113	Hex.Socket Bolt(M4*L10)	17	B-4-8
02015SC-7113	Hex. Socket Bolt (M4*L10)	30	D-2-2
02015SC-7113	Hex.Socket Bolt(M4*L10)	32	D-4-16
02015SC-7113	Hex.Socket Bolt(M4*L10)	32	D-4-20
02015SC-7113	Hex. Socket Bolt (M4*L10)	42	F-2-35
02015SC-7113	HEX.SOCKET BOLT(M4*L10)	45	F-4-11
02015SC-7113	Hex. Socket Bplt (M4*L10)	47	G-1-2
02015SC-7113	C.S Screw (M4*L10)	47	G-1-3
02015SC-7113	Hex.Socket Bolt(M4*L10)	57	H-5-9
02015SC-7113	Hex.Socket Bolt(M4*L10)	61	H-7-17
02015SC-7113	Hex.Socket Bolt(M4*L10)	65	I-1-42

Part No.	Part Name	Page	Ref.No
02015SC-7113	Hex.Socket Bolt(M4*L10)	71	J-2-11
02015SC-7113	Hex. Socket Bolt (M4*L10)	98	P-2-3
02015SC-7113	Hex. Socket Bolt (M4*L10)	98	P-2-5
02015SC-7113	Hex.Socket Bolt(M4*L10)	102	Q-2-3
02017PM-A001	Cable Ring	78	L-2-10
02021PM-AC00	Top Shaft Cover "A"	98	P-2-8
02022PR-UK01	Upper Shaft Cover "B" Bracket	40	F-1-32
02023ET-A001	Top Shaft Cover Magnet	98	P-2-10
02023SC-7113	Hex. Socket Bolt (M4*L8)	17	B-4-19
02023SC-7113	Hex. Socket Bolt (M4*L8)	24	C-4-3
02023SC-7113	Hex. Socket Bolt (M4*L8)	26	C-6-11
02023SC-7113	Hex. Socket Bolt (M4*L8)	31	D-3-9
02023SC-7113	Hex.Socket Bolt (M4*L8)	34	E-1-19
02023SC-7113	Hex.Socket Screw (M4xL8)	36	E-2-17
02023SC-7113	Hex. Socket Bolt (M4*L8)	42	F-2-30
02023SC-7113	HEX.SOCKET BOLT (M4*L8)	45	F-4-9
02023SC-7113	Hex.Socket Bolt (M4*L8)	48	G-2-7
02023SC-7113	Hex. Socket Bolt (M4*L8)	49	G-3-2
02023SC-7113	Hex.Socket Bolt(M4*L12)	54	H-3-12
02023SC-7113	Hex.Socket Bolt (M4*L8)	65	I-1-53
02023SC-7113	Hex.Socket Bolt (M4*L8)	66	I-2-2
02023SC-7113	Hex. Socket Bolt (M4*L8)	68	I-4-11
02023SC-7113	Hex. Socket Bolt (M4*L8)	68	I-4-18
02023SC-7113	Truss Screw (M4*L8)	76	L-1-18
02023SC-7113	Hex.Socket Bolt (M4*L8)	91	N-2-21
02023SC-7113	Hex.Socket Bolt (M4*L8)	92	N-3-16
02023SC-7113	Plus Screw (M4*L8)	110	R2-1-21
02023SC-7113	Plus Screw (M4*L8)	112	R2-2-21
02025PR-A001	Bobbin Stand Bracket	97	P-1-10
02026EL-UK01	Start Switch Set	92	N-3-12
02026SC-A001	Stand	94	O-1-17
02026SC-A001	Bobbin Stand	97	P-1-11
02027EL-UK01	S/B Switch Set	92	N-3-13
02028SW-9115	Spring Washer (@4)	61	H-7-7
02028SW-9115	Spring Washer (@4)	70	J-1-3
02028SW-9115	Spring Washer (@4)	71	J-2-7
02028SW-9115	Spring Washer(@4)	71	J-2-12
02028SW-9115	Spring Washer (@4)	97	P-1-15
02028SW-9115	Spring Washer (@4)	111	R2-1-48
02028SW-9115	Spring Washer (@4)	113	R2-2-48
02029SN-9311	Hex. Nut (M4-No2)	91	N-2-12
02029SN-9311	Hex. Nut (M4)	97	P-1-14
02029SN-9311	Hex. Nut (M4-No2)	107	R1-3-28
02030SW-B001	Bearing Case Washer	18	B-5-4
02031SC-7113	Hex. Socket Screw(M5*L10)	18	B-5-3
02031SC-7113	Hex.Socket Screw(M5*L10)	42	F-2-34
02031SC-7113	Hex. Socket Screw(M5*L10)	90	N-1-5
02031SC-7113	Hex. Socket Screw(M5*L10)	90	N-1-16
02031SC-7113	Hex. Socket Bolt (M5*L10)	97	P-1-12
02031SC-7113	Hex. Socket Screw(M5*L10)	110	R2-1-17
02031SC-7113	Hex. Socket Screw(M5*L10)	112	R2-2-17
02031SC-7113	Hex. Socket Screw(M5*L10)	115	S-1-8

U. Index

Part No.	Part Name	Page	Ref.No
02032PM-UK01	S/B Switch Cover	92	N-3-15
02038SC-9131	Plus Screw (M5*L10)	76	L-1-3
02044SC-3123	Truss Screw (M5*L8)	23	C-3-12
02044SC-3123	Truss Screw (M5 x L8)	36	E-2-19
02044SC-3123	Truss Screw (M5*L8)	76	L-1-5
02044SC-3123	Truss Screw (M5*L10)	76	L-1-25
02044SC-3123	Truss Screw (M5*L8)	97	P-1-2
02044SC-3123	Truss Screw (M5*L8)	97	P-1-7
02054PR-A001	Main Motor Pulley Cover	36	E-2-18
02065SC-3328	Tapping Screw (M3*L10)	90	N-1-8
02086PR-UI12	Top Shaft Cover(L)	98	P-2-1
02087SC-4329	Hex. Socket Screw(M5*L10)	73	K-1-15
02097ET-B001	Model Name Plate	97	P-1-3
0210200HDK2	Picker Sol. Connect From J/B	68	I-4-29
03000100I000	Oil Supply Sensor Stopper Collar	36	E-2-3
03000110H000	Upper Shaft Bearing Collar	18	B-5-5
03000400I000	Low Shaft "A" [225mm]	36	E-2-12
03000500U000	Oil Tube Pin	24	C-4-5
03002700H000	Return Spring	65	I-1-39
03002800H000	Return Spring Stopper Washer	65	I-1-40
03002900H000	Return Spring Fix Pin Washer	65	I-1-43
03003000H000	Return Spring Fix Pin	65	I-1-41
03003100H000	Upper Thread Hook Motor Unit	64	I-1-1
03003200A000	Needle Bar Drive Rink	16	B-3-11
03003210H000	MOTOR BASE	64	I-1-2
03003300H000	Cam Shaft Fixing Block	64	I-1-6
03003500H000	Motor Driving Cam Shaft	64	I-1-10
03003810H000	STUD BOLT FOR DRIVING PLATE	64	I-1-16
03003910H000	Upper Thread Driving Plate	64	I-1-17
03003SC-4113	Pulley Box Screw [M8×L35]	34	E-1-2
03003SC-4113	Hex. Socket Bolt "B" (M8*L35)	43	F-3-2
03004200HH00	MOTOR DRIVING CONNECT PLATE	64	I-1-28
03004400H000	Motor Driving Connect Bearing	64	I-1-29
03004500H000	Connecting Plate Pin Washer	64	I-1-31
03004700H000	Connecting Plate Stud Screw	64	I-1-32
03004800H000	Connecting Plate Knuckle	64	I-1-33
03005210H000	Collar "A"	34	E-1-25
03005210H000	COLLAR "A"	53	H-2-23
03005210H000	Collar "A"	59	H-6-26
03005600H000	ANGLE DISK	34	E-1-15
03005710H000	Angle Plate Base @20	34	E-1-16
03005800H000	Indicator	34	E-1-18
03005MC-3123	TRUSS SCREW (M3*L5)	66	I-2-7
03006MC-3123	Truss Screw (M3*L6)	16	B-3-31
03006MC-9123	TRUSS SCREW(M3*L6) SUS	45	F-4-16
03007300H000	Upper Thread Shaft Coupling	65	I-1-48
03007500H000	Low Coupling	36	E-2-13
03007SC-A001	Cam Base Screw	15	B-2-7

Part No.	Part Name	Page	Ref.No
03008000H000	Ball Bearing 689 (Ntn)	16	B-3-15
03008100K000	Needle Bar Drive Bearing Bush	16	B-3-16
03008300H000	Connecting Plate Pin	64	I-1-30
03008600H000	Motor Cover Fixing Bracket	65	I-1-52
03013EL-T121	Encoder Set	23	C-3-1
03016SC-4113	Hex.Socket Screw(M5*L15)	34	E-1-33
03016SC-4113	Hex. Socket Bolt (M5*L15)	37	E-3-18
03016SC-4113	Hex. Socket Bolt (M5*L15)	61	H-7-30
03016SC-4113	Hex. Socket Bolt (M5*L15)	64	I-1-22
03016SC-4113	Hex. Socket Bolt (M5*L15)	71	J-2-5
03016SC-4113	Hex. Socket Bolt (M5*L15)	90	N-1-15
03016SC-4113	Hex. Socket Bolt (M5*L15)	115	S-1-4
03020SC-A001	Drive Pin Screw 11/64,N40,L8	14	B-1-3
03020SC-A001	Drive Pin Screw 11/64,N40,L8	16	B-3-18
03020SC-A001	Drive Pin Screw 11/64,N40,L8	31	D-3-4
03020SC-A001	Drive Pin Screw (11/64,N40,L8)	43	F-3-13
03020SC-A001	Drive Pin Screw (11/64,N40,L8)	44	F-3-36
03022SC-4517	Hex. Socket Set Screw(M4*L5)	14	B-1-13
03022SC-4517	Hex. Socket Set Screw(M4*L5)	39	F-1-26
03022SC-4517	Hex.Socket Bolt(M4*L5)	51	H-1-24
03022SC-4517	Hex. Socket Set Screw(M4*L5)	55	H-4-17
03023SC-A001	Connecting Rod Stud	16	B-3-2
03025SW-1211	Washer (@6)	16	B-3-4
03025SW-1211	Washer (@6)	26	C-6-4
03025SW-1211	Washer (@6)	28	D-1-9
03025SW-1211	Washer (Ø8)	35	E-1-39
03025SW-1211	Washer (@6)	43	F-3-27
03025SW-1211	Washer (@6)	117	S-3-9
03026SW-9115	Spring Washer (@6)	16	B-3-5
03026SW-9115	Spring Washer (@6)	26	C-6-3
03026SW-9115	Spring Washer (@6)	28	D-1-8
03026SW-9115	Spring Washer (@6)	43	F-3-26
03026SW-9115	Spring Washer (@6)	51	H-1-18
03026SW-9115	Spring Washer (@6)	55	H-4-20
03026SW-9115	Spring Washer	64	I-1-36
03026SW-9115	Spring Washer (@6)	76	L-1-13
03026SW-9115	Spring Washer (@6)	117	S-3-4
03027SN-A001	Stud Nut	16	B-3-6
03030SW-1211	Washer (@4)	111	R2-1-49
03030SW-1211	Washer (@4)	113	R2-2-49
03031SN-A001	Pin. Nut (11/64,N=40)	47	G-1-6
03031SN-A001	Pin. Nut (11/64,N=40)	71	J-2-16
03033CW-A001	Driver Pin	16	B-3-23
03034SW-A001	Reciprocator Washer	16	B-3-10
03039PR-B001	Stopper Bracket	16	B-3-27
03040SC-A001	Stopper Bracket Screw	16	B-3-22
03041PR-B001	Reciprocator Stopper	16	B-3-26
03045SP-B001	Jump Spring	16	B-3-28
03046CW-B001	Jump Spring Guide	16	B-3-29
03048SW-A001	Reciprocator Washer	16	B-3-21
03050SC-4517	Hex. Socket Set Screw (M3*L3)	17	B-4-13
03050SC-4517	Hex. Socket Set Screw (M3*L3)	32	D-4-6
03053SF-A001	Felt "B"	16	B-3-17

Part No.	Part Name	Page	Ref.No
03056CL-B001	Head Rail Holder	19	B-6-5
03057SC-A001	Head Rail Holder Screw	17	B-4-17
03057SC-A001	Head Rail Holder Screw	18	B-5-13
03057SC-A001	Head Rail Holder Screw	19	B-6-6
03057SC-A001	Head Rail Holder Screw	32	D-4-2
03062ET-A001	Code Clip	44	F-3-38
03062PR-UK01	Side Cover "B3"	17	B-4-1
03065SC-A001	Guard Plate Screw	22	C-2-3
03071SC-7113	Hex. Socket Bolt (M3*L10)	31	D-3-6
03071SC-A001	Hex.Socket Bolt (M3*L15)	21	C-1-2
03072MC-4113	Hex. Socket Bolt (M8*L28)	19	B-6-2
03-1000-EMB1	Head On/Off S/W Board (6,12C)	48	G-2-14
03100410H000	Main Motor Pulley	37	E-3-17
03100600H000	Main Motor Guide	37	E-3-12
03200300I000	Tension Adjusting Roller	34	E-1-7
03200400I000	ROLLER BEARING	34	E-1-6
03200500I000	Idler Shaft	34	E-1-11
03200600I000	Idler Bush	34	E-1-9
03200700I000	C-Ring (#20)	34	E-1-8
03200800I000	Timing Belt (B300 S5M 625)	35	E-1-34
03201100I000	Bearing Cover "B" @20	34	E-1-20
03301200A000	Bushing	14	B-1-17
03302100A000	Pin Collar	14	B-1-12
03302600I000	Arm Guide Plate	19	B-6-7
03302900H000	Needle Case (38419)	15	B-2-4
03303000H000	Connecting Rod	15	B-2-3
03303300H000	Lever Pin	16	B-3-7
03500100I000	Upper Thread Catcher Base	66	I-2-1
03500210H000	Base Cover	66	I-2-6
03500300I000	UPPER THREAD CATCHER	66	I-2-5
03500400H000	Upper Catcher Connect Pin	66	I-2-8
03500500H000	Upper Catcher Driving Lever	66	I-2-11
03500600H000	Driving Lever Pin	66	I-2-12
03500700H000	Driving Lever Pin Collar	66	I-2-13
03500800H000	Driving Lever Pin Washer	66	I-2-15
03500900H000	Clutch Block	66	I-2-16
03501000H000	Clutch Stud Screw	66	I-2-17
03501100H000	Clutch Spring	66	I-2-18
03501200H000	Clutch Dial	66	I-2-19
03700010BT00	MES CAM DRIVING BOX Assy	29	D-1-42
03700100BT00	MES CAM DRIVING BOX	28	D-1-3
03700300H000	Mes Link Pin	28	D-1-10
03700400H000	Mes Driving Link	28	D-1-11
03700500H000	Mes Driving Link Screw	28	D-1-12
03700600H000	Mes Shaft Driving Clamp	28	D-1-13
03700700H000	Mes Driving Shaft (@10*L121)	28	D-1-15
03700800H000	Mes Driving Shaft Guide	28	D-1-16
03701000H000	Ball Bearing (6001Z)	28	D-1-28
03701100H000	Mes Driving Shaft Bush	28	D-1-18
03701200BT00	MOTOR DRIVING NOB	28	D-1-29
038A0000I000	Take-Up Driving Lever AB Assy	14	B-1-18
04000100H000	X-Lm Guide Support Plate (A)	51	H-1-2
04000200H000	X-Lm Guide Support Plate (B)	51	H-1-3

U. Index

Part No.	Part Name	Page	Ref.No
04000400B000	X-TIMING PULLEY (S5M)	52	H-1-37
04000400B000	X-TIMING PULLEY (S5M)	60	H-6-39
04000500H004	Y-Drive Timing Belt (W:48)	61	H-7-1
04000500HH00	X-Dirver Timing Belt (L1110)	54	H-3-3
04000630I000	BEARING (6905ZZ)	51	H-1-33
04000630I000	Needle Bearing (Nk18/16A)	59	H-6-35
04000640I000	TIMING PULLEY BRACKET (C)	51	H-1-25
04000640I000	TIMING PULLEY BRACKET (C)	55	H-4-18
04000650I000	TIMING PULLEY BRACKET (L)	51	H-1-31
04000650I000	TIMING PULLEY BRACKET (L)	59	H-6-33
04000660I000	TIMING PULLEY BRACKET (R)	51	H-1-32
04000660I000	TIMING PULLEY BRACKET (R)	59	H-6-34
04000700F000	Sensor Perception Plate X,Y	54	H-3-14
04000800H000	Sensor Plate "Y"	61	H-7-34
04001000I004	X Driving Pulley Shaft	53	H-2-25
04001100BT00	MES DRIVING CRANK	28	D-1-1
04001600I000	X-Y Driving Shaft Timing Pulley	53	H-2-12
04001600I000	Y-Axis Timing Pulley	59	H-6-7
04001700H000	Driving Shaft Coupling	53	H-2-13
04001700H000	Driving Shaft Coupling	59	H-6-5
04001900I000	X Motor Base	53	H-2-15
04002200H000	Mes Shaft Bracket	31	D-3-8
04002200I000	Y-MOTER BASE	59	H-6-18
04003500B000	Bearing Stopper Collar "A"	53	H-2-10
04003500B000	Needle Bearing Collar	59	H-6-16
04003500I000	NEEDLE BEARING COLLAR	51	H-1-34
04003500I000	NEEDLE BEARING COLLAR	59	H-6-36
04-003S-AU10	Warning Sticker	80	M-1-21
04004AF-A001	Needle Plate Screw	68	I-4-26
04004AF-A001	Needle Plate Screw	68	I-4-28
04004MC-4517	Hex.Socket Bolt (M4×L4)	34	E-1-10
04007SC-A001	Cushion Cover Screw (M3*L2.3)	68	I-4-25
04008PR-A001	Hook Base Cover	68	I-4-27
04010MC-7113	HEX.SOCKET BOLT (M4*L10)	55	H-4-34
04012AF-A001	Hook Shaft Bush Screw	12	A-2-11
04012AF-A001	Hook Shaft Bush Screw	14	B-1-5
04014SC-4517	Hex.Socket Set Screw (M5*L5)	64	I-1-9
04014SC-4517	Hex.Socket Set Screw (M5*L5)	64	I-1-11
04014SC-4517	Hex.Socket Set Screw (M5*L5)	66	I-2-14
04014SC-4517	Hex.Socket Set Screw (M5*L5)	70	J-1-16
04014SC-4517	Hex. Socket Set Screw (M5*L6)	76	L-1-11
04016AF-A001	Cam Collar Screw	12	A-2-13
04016AF-A001	Cam Collar Screw	12	A-2-15
04016AF-A001	Cam Collar Screw	12	A-2-17
04016AF-A001	Cam Collar Screw	43	F-3-9
04016MC-4113	CAM ROLLER GUIDE FIXED SCREW	54	H-3-2
04016MC-4113	CAM ROLLER GUIDE FIXED SCREW	55	H-4-3
04016MC-4113	CAM ROLLER GUIDE FIXED SCREW	57	H-5-3
04017BM-UK01	Take-Up Driving Lever(B) Set	14	B-1-6
04019CW-T121	Pin Stud Screw	14	B-1-10
04020AF-T121	Roller For Take-Up Gear-B	14	B-1-9
04021BR-T121	Needle Bearing Kt367N (Iko)	14	B-1-8
04026BR-A001	Ball Bearing 6003Z	12	A-2-18

Part No.	Part Name	Page	Ref.No
04028SC-A001	Stud Bolt (M10*L69)	12	A-2-2
04029SW-A001	Stud Bolt Washer(S) (@8)	12	A-2-3
04029SW-A001	Stud Bolt Washer(S) (@8)	19	B-6-3
04029SW-A001	Stud Bolt Washer (@8)	28	D-1-6
04029SW-A001	Pulley Box Washer [Ø8]	34	E-1-4
04029SW-A001	Washer (Ø8)	34	E-1-13
04029SW-A001	Stud Bolt Washer(S) (@8)	37	E-3-4
04029SW-A001	Stud Bolt Washer(S) (@8)	37	E-3-9
04029SW-A001	Stud Bolt Washer(S) (@8)	37	E-3-11
04029SW-A001	Stud Bolt Washer (@8)	43	F-3-4
04029SW-A001	Stud Bolt Washer(S) (@8)	51	H-1-6
04029SW-A001	Stud Bolt Washer(S) (@8)	53	H-2-4
04029SW-A001	Stud Bolt Washer(S) (@8)	53	H-2-8
04029SW-A001	Stud Bolt Washer(S) (@8)	53	H-2-18
04029SW-A001	Stud Bolt Washer(S) (@8)	53	H-2-21
04029SW-A001	Stud Bolt Washer(S) (@8)	55	H-4-7
04029SW-A001	Stud Bolt Washer(S) (@8)	57	H-5-19
04029SW-A001	Stud Bolt Washer(S) (@8)	57	H-5-22
04029SW-A001	Stud Bolt Washer(S) (@8)	57	H-5-26
04029SW-A001	Stud Bolt Washer(S) (@8)	59	H-6-4
04029SW-A001	Stud Bolt Washer(S) (@8)	59	H-6-14
04029SW-A001	Stud Bolt Washer(S) (@8)	59	H-6-21
04029SW-A001	Stud Bolt Washer(S) (@8)	59	H-6-24
04029SW-A001	Stud Bolt Washer (@8)	73	K-1-24
04030SW-A001	Stud Bolt Washer(L) (@8)	12	A-2-4
04030SW-A001	Stud Bolt Washer(L) (@8)	57	H-5-27
04032SN-A001	Hex. Nut (M8-No2)	12	A-2-6
04032SN-A001	Hex. Nut (M8-NO2)	37	E-3-5
04032SN-A001	Hex. Nut (M8-No2)	57	H-5-28
04032SN-A001	Hex. Nut (M8)	64	I-1-35
04032SN-A001	Hex. Nut (M8)	73	K-1-22
04033AF-H002	Rotary Hook	68	I-4-1
04033AF-H004	Rotary Hook (Option)	68	I-4-1
04034AF-A001	Bobbin Case Set	68	I-4-2
04034AF-H003	Bobbin Case Set (Option)	68	I-4-2
04035AF-A001	Bobbin	68	I-4-3
04035AF-H003	Bobbin (Option)	68	I-4-3
04037SC-A001	Picker Bracket Screw(R)	31	D-3-2
04100330I000	TIMMING PULLEY(72-S5M-050)	53	H-2-28
04100330I000	TIMMING PULLEY(72-S5M-050)	59	H-6-8
04100410I000	TIMMING BELT (50-S5M-475)	53	H-2-30
04100410I000	TIMMING BELT (50-S5M-475)	59	H-6-10
04104400B000	X-Follower Timing Pulley Shaft "B"	51	H-1-23
04104400B000	Timing Pulley Driving Pin	55	H-4-16
04200100I004	Y-Axis Frame L=638	55	H-4-1
04200200I000	Y-Driving Pulley Shaft	59	H-6-32
04202400B000	Timing Pulley Bracket Fixing Plate	51	H-1-15
04400200B000	FIXED MES	32	D-4-4
04400310B000	UNDER THREAD PRESSER	32	D-4-7
04700100B000	X-Follower Timing Pulley	51	H-1-20
04700100B000	Y-Drive Timing Pulley	55	H-4-13
04910000B000	SUPPORT ANGLE FOR TABLE "A" (SET)	55	H-4-31
04920000H000	SUPPORT ANGLE FOR TABLE "B" (SET)	56	H-4-37

Part No.	Part Name	Page	Ref.No
05000200U000	Take-Up Lever Drive Pin	14	B-1-15
05000210T000	TRANSFORMER (EMT25V) 1A/25.5V	76	L-1-19
05007SC-7113	Plus Screw (M3*L5)	110	R2-1-34
05007SC-7113	Plus Screw (M3*L5)	112	R2-2-34
05008MC-4517	Hex. Socket Bolt (M5*L8)	64	I-1-7
05008MC-4517	Hex. Socket Set Screw (M5*L8)	116	S-2-4
05008SC-4113	Hex.Socket Bolt (M4*L16)	37	E-3-13
05008SC-4113	Hex.Socket Bolt (M4*L16)	39	F-1-27
05008SC-4113	Hex. Socket Bolt (M4*L16)	65	I-1-38
05009SW-1111	Washer(@4)	47	G-1-16
05014SC-7113	Hex. Socket Bolt (M4*L25)	26	C-6-13
05014SC-7113	Hex. Socket Bolt (M4*L25)	39	F-1-2
05014SC-7113	Hex. Socket Bolt (M4*L25)	119	T-1-9
05015CW-A001	Head Base Pin@5*L15)	39	F-1-3
05015MC-4113	Hex. Socket Bolt (M5*L15)	18	B-5-6
05019SC-A001	Needle Bar Cover Screw (M5*L6)	39	F-1-4
05021SF-A001	Felt	39	F-1-8
05022SW-A001	Spring Shoe Washer	39	F-1-7
05023RB-A001	Needle Bar Cushion Rubber "A"	39	F-1-9
05024RB-A001	Needle Bar Cushion Rubber "B"	39	F-1-10
05026SC-4113	Stopper Screw (9/64-11.5)	39	F-1-14
05027FU-A001	Needle Bar Holder	39	F-1-11
05028SC-4113	Holder Screw (9/64-L8)	39	F-1-12
05031AF-A001	Presser Foot Guide Bush	31	D-3-7
05031AF-A001	Presser Foot Guide Bush	39	F-1-18
05032RB-A001	Presser Foot Cushion Rubber"B	39	F-1-23
05033PR-T121	Take-Up Lever	41	F-2-21
05033RB-A001	Presser Foot Adjusting Rubber	39	F-1-24
05034RB-A001	Presser Foot Adjusting Rubber	39	F-1-25
05035PM-T121	Take-Up Lever Boss	41	F-2-23
05035RB-A001	Presser Foot Cushion Rubber"A	39	F-1-19
05036AF-A001	Needle Fixed Holder	39	F-1-20
05037DB-A001	Needle (Db-K5, #11)	39	F-1-21
05041SC-A001	Guide Rail Screw	21	C-1-4
05041SC-A001	Guide Rail Screw	42	F-2-32
05057SN-3211	Hex. Nut (M3)	45	F-4-21
05060SC-8118	Screw (M3*L3)	41	F-2-16
05062SC-A001	Thread Guide (L) Screw	19	B-6-8
05062SC-A001	Thread Guide (L) Screw	41	F-2-5
05063RB-A001	Magnetic Rubber "B"	41	F-2-7
05070SC-3123	Head Face Plate (U) Screw	41	F-2-3
05070SC-3123	Thread Guide (L) Screw	41	F-2-8
05070SC-3123	Thread Guide (L) Screw	41	F-2-19
05070SC-3123	Head Face Plate (U) Screw	102	Q-2-27
05100100B000	Switch Bar @19* @22 L6300	91	N-2-13
05100300B000	Switch Bar Cap	91	N-2-14
05100800B000	S/W Bar Return Spring Guide	91	N-2-7
05363SC-A001	Needle Fixed Screw (A/S)	39	F-1-22
05452CM-A001	EYELET "A"	47	G-1-7
05452CM-A001	Thread Guide Bushing	94	O-1-12
06000010B000	Table Connecting Plate (Set)	73	K-1-11
06001200B000	TABLE SPACE PLATE "C"	73	K-1-14
06-001C-SE50	Fixing Screw for Trimming Driver Radiator(A)	83	M-3-10

U. Index

Part No.	Part Name	Page	Ref.No
06-001C-SE50	Fixing Screw for Drive	84	M-3-22
06003SW-2111	Washer (@4)	17	B-4-9
06003SW-2111	Washer (@4)	17	B-4-18
06003SW-2111	Washer (@4)	31	D-3-10
06003SW-2111	Washer (@4)	32	D-4-3
06003SW-2111	Washer (@4)	39	F-1-28
06003SW-2111	Washer (4@-S)	48	G-2-8
06003SW-2111	Washer (@4)	68	I-4-21
06003SW-2111	Washer (@4)	71	J-2-8
06003SW-2111	Washer(@4)	71	J-2-13
06003SW-2111	Washer (@4)	97	P-1-16
06008SW-4013	E-Ring (@5)	17	B-4-11
06009PR-A001	Jump Clutch Plate Spring	17	B-4-14
06010AF-8118	Plus Screw(M3*L4)	68	I-4-9
06010SC-8118	Plus Screw (M3*L4)	17	B-4-15
06010SC-8118	Plus Screw (M3*L4)	45	F-4-22
06010SC-8118	Plus Screw (M3*L4)	67	I-3-8
06011SW-2111	Washer (@3)	17	B-4-16
06011SW-2111	Washer (@3)	23	C-3-4
06011SW-2111	Washer (@3)	28	D-1-27
06011SW-2111	Washer (@3)	30	D-2-7
06011SW-2111	Washer (@3)	43	F-3-23
06011SW-2111	Washer (@3)	51	H-1-12
06011SW-2111	Washer (@3)	54	H-3-17
06011SW-2111	Washer (@3)	62	H-7-37
06011SW-2111	Washer (@3)	105	R1-1-35
06011SW-2111	Washer (@3)	108	R1-3-42
06012CW-A001	Jump Clutch	17	B-4-12
06014SN-9111	Hex.Nut	17	B-4-21
06020MC-8119	PLUSS SCREW (M6*L20)	73	K-1-21
06025MC-7113	Hex. Socket Bolt (M6*L25)	28	D-1-7
06025MC-7113	Hex.Socket Bolt(M6*L25)	59	H-6-2
06025MC-7113	Hex.Socket Bolt(M6*L25)	59	H-6-12
06025MC-7113	Hex.Socket Bolt(M6*L25)	59	H-6-19
06025MC-7113	Hex. Socket Bolt (M6*L25)	64	I-1-3
06100100F000	Bar Switch Holder Spacer	91	N-2-17
06100200F000	Start/Stop Switch Base	92	N-3-10
07-001A-SW60	Color Change Board 6C	45	F-4-17
07003SC-A001	Take-Up Lever Screw	41	F-2-24
07-004S-SM5S	Fixing Screw for SMPS Connect Board(Set)	80	M-1-8
07-004S-SM5S	Fixing Screw for Digital SMPS(Set)	80	M-1-9
07-004S-SM5S	Fixing Screw for SMPS Bracket(A)(Set)	80	M-1-10
07-004S-SM5S	Fixing Screw for 24V SMPS(Set)	80	M-1-13
07-004S-SM5S	Fixing Screw for SMPS Bracket(B)(Set)	80	M-1-14
07-004S-SM5S	Fixing Screw for Connect Plate(Set)	81	M-2-1
07-004S-SM5S	Fixing Screw Noise Filter(Set)	81	M-2-3
07-004S-SM5S	Fixing Screw For Connect Board(Set)	81	M-2-5
07-004S-SM5S	Ground Screw for Connect Plate(Set)	81	M-2-7
07-004S-SM5S	Fixing Screw for Surge Protector(Set)	82	M-2-22
07-004S-SM5S	Fixing Screw for Driver Fixing Plate(Set)	83	M-3-2
07-004S-SM5S	Fixing Screw for J/B Fixing Bracket(Set)	83	M-3-8
07-004S-SM5S	Fixing Screw for Trimming Driver Bracket A(Set)	84	M-3-16
07-004S-SM5S	Fixing Screw for Drive Fixing Bracket A(Set)	84	M-3-23

Part No.	Part Name	Page	Ref.No
07-004S-SM5S	Rear Cover Fixing Screw (M4xL10)	88	M-5-17
07-004S-SM5S	Screw for Fixing Bracket for OP (M4xL10)	88	M-5-29
07005BM-T121	Take-Up Lever Set	41	F-2-20
07-005S-SM5S	CPU Board Screw (SET) (M3xL10)	85	M-4-11
07-005S-SM5S	IO Board Fixing Screw (SET) (M3xL10)	86	M-4-17
07009SC-4517	Hex.Socket Set Screw (M5*L6)	41	F-2-28
07009SC-4517	Hex.Socket Set Screw (M5*L6)	110	R2-1-26
07009SC-4517	Hex.Socket Set Screw (M5*L6)	112	R2-2-26
07016SC-7113	Hex. Socket Bolt (M4*L12)	71	J-2-6
07016SC-7113	Hex.Socket Bolt (M4*L12)	104	R1-1-4
07016SC-7113	Hex.Socket Bolt (M4*L12)	104	R1-1-17
07016SC-7113	Hex.Socket Bolt (M4*L12)	106	R1-2-4
07016SC-7113	Hex.Socket Bolt (M4*L12)	106	R1-2-16
07016SC-7113	Hex.Socket Bolt (M4*L12)	108	R1-3-37
07016SC-7113	Hex.Socket Bolt (M4*L12)	110	R2-1-10
07016SC-7113	Hex.Socket Bolt (M4*L12)	112	R2-2-10
07018SC-8118	Plus Screw (M3*L8)	67	I-3-4
07027AD-AE00	Take-Up Guide Rail	21	C-1-3
07035SC-7113	Bracket Screw (M3*L6)	23	C-3-2
07035SC-7113	BRACKET SCREW (M3*L6)	28	D-1-25
07035SC-7113	Bracket Screw (M3*L6)	64	I-1-13
07102CM-A001	Eyelet "C"	41	F-2-22
08001310H000	Low Shaft Coupling Cover A	74	K-2-11
08-002M-SW67	Stud for Trimming Driver(A)	84	M-3-34
08006SC-8118	Hex.Socket Screw (M3xL5)	34	E-1-23
08006SC-8118	Hex.Socket Bolt (M3*L5)	36	E-2-2
08006SC-8118	Hex.Socket Screw(M3xL5)	36	E-2-6
08010SC-8329	Tapping Screw (M3*L16)	74	K-2-12
08011SC-8118	Screw (M2*L4)	48	G-2-5
08011SW-1111	Spring Washer (@3-S)	23	C-3-3
08013CL-B001	Movable Mes	32	D-4-10
08014FU-B001	Movable Mes Shaft (New)	32	D-4-9
08014SC-A001	Plus Screw (M3*L8)	32	D-4-11
08015PM-A001	Bushing	68	I-4-16
08017SC-B001	Screw (M3*L5)	32	D-4-12
08022SC-A001	Lever Stud	32	D-4-18
08023CW-A001	Mes Shaft Cramp	32	D-4-19
08025PR-B001	Mes Connecting Lever	32	D-4-17
08044SR-4013	E-Ring (@8)	45	F-4-5
08057SW-1111	Washer (@6)	43	F-3-17
08057SW-1111	Washer (@6)	51	H-1-19
08057SW-1111	Washer (@6)	55	H-4-21
08057SW-1111	Washer (@6)	64	I-1-5
08057SW-1111	Washer (@6)	64	I-1-27
08057SW-1111	Washer (@6)	73	K-1-27
08057SW-1111	Washer (@6)	76	L-1-14
08057SW-1111	Washer (@6)	102	Q-2-21
08057SW-1111	Washer (@6)	117	S-3-5
08062SC-7113	Hex. Socket Bolt (M5*L20)	28	D-1-14
08062SC-7113	Hex. Socket Bolt (M5*L20)	111	R2-1-39
08062SC-7113	Hex. Socket Bolt (M5*L20)	113	R2-2-39
08065CW-A001	Stopper Collar	28	D-1-19
08067RB-A001	O-Ring (@10)	28	D-1-21

Part No.	Part Name	Page	Ref.No
08076SC-7113	Hex. Socket Bolt (M5*L12)	23	C-3-6
08076SC-7113	Hes.Socket Bolt(M5*L15)	77	L-1-28
08076SC-7113	Hex. Socket Bolt (M5*L12)	78	L-2-7
08076SC-7113	Hex. Socket Bolt (M5*L12)	110	R2-1-22
08076SC-7113	Hex. Socket Bolt (M5*L12)	112	R2-2-22
08076SC-7113	Hex. Socket Bolt (M5*L12)	115	S-1-29
08076SC-7113	Hex. Socket Bolt (M5*L12)	117	S-3-20
08080MC-4113	HEX.SOCKET BOLT (M8*L80)	37	E-3-10
08087SC-7113	Hex.Socket Bolt(M8*L25)	53	H-2-2
08087SC-7113	Hex.Socket Bolt(M8*L25)	53	H-2-6
08087SC-7113	Hex.Socket Bolt(M8*L25)	53	H-2-16
08091SC-7113	Hex,Socket Bolt (M6×L20)	34	E-1-29
08091SC-7113	Hex,Socket Bolt (M8×L10)	35	E-1-37
08091SC-7113	Hex.Socket Bolt(M6*L20)	53	H-2-14
08091SC-7113	Hex.Socket Bolt(M6*L20)	53	H-2-27
08091SC-7113	Hex.Socket Bolt(M6*L20)	59	H-6-6
08091SC-7113	Hex.Socket Bolt(M6*L20)	59	H-6-29
08091SC-7113	Hex. Socket Bolt (M6*L20)	64	I-1-25
08091SC-7113	Hex. Socket Bolt (M6*L20)	73	K-1-25
08091SC-7113	Hex. Socket Bolt (M6*L20)	76	L-1-12
08091SC-7113	Hex. Socket Bolt (M6*L20)	102	Q-2-19
08098SC-8118	Plus Screw (M3*L4.5)	32	D-4-5
08101003B000	Cam Shaft (6,9C)	44	F-3-34
08101100B000	Cam Bushing	43	F-3-10
08101500B000	Half Turn Bushing	44	F-3-32
08101500B000	Half Turn Bushing	45	F-4-13
08102900B000	Motor Gear	45	F-4-2
08103203B000	Guide Shaft	44	F-3-33
08106200B000	Magnet Holder Spacer	43	F-3-21
08110FH-B001	Mes Driving Crank (R)	32	D-4-15
08113SC-A001	Collar Screw	32	D-4-14
08113SC-A001	Collar Screw (11/64, L6)	65	I-1-49
08200602A000	Take-Up Lever Shaft (6C)	41	F-2-27
08200800A000	Take-Up Lever Shaft Bush(R)	41	F-2-26
08202000A000	Tension Plate Holder	47	G-1-14
08203000A000	Take-Up Lever Shaft Bush(L)	41	F-2-25
08300003I000	TENSION UNIT 9C Assy	47	G-1-17
08300102I000	TENSION UNIT	47	G-1-1
08300122B000	BOARD BASE	48	G-2-6
08300302I000	CONNECTION PLATE	49	G-3-3
08300400A000	Lamp Cover	48	G-2-13
08400110H000	Y-Rail Guide Shaft (Front-A)	61	H-7-12
08400310H004	Y-Axis Frame (F) L=614	57	H-5-1
08600002B000	Upper Thread Presser Base 6C Assy	67	I-3-11
09000100BJF0	Mes Driving Shaft "B" (L=2202)	29	D-1-38
09000100BJF0	Mes Driving Shaft "B" (L=2202)	65	I-1-45
09000200H000	TOP SHAFT COVER BRACKET (L)	98	P-2-7
09000300B000	Magnet Sticker	44	F-3-37
09000400B000	Guide Bush (A)	76	L-1-10
09000500B000	Emergency Switch Plate	76	L-1-16
09000600B000	ON/OFF S/W BOX COVER	76	L-1-4
09000700B000	BALLAST	90	N-1-14
09001100BT00	Magnetic Switch (SET) (1@)	92	N-3-7

U. Index

Part No.	Part Name	Page	Ref.No
09001110BT00	Magnetic Switch (SET) (3@)	92	N-3-7
09001400BT00	CEMENT RESISTANCE (4.7/20W)	76	L-1-23
09005SC-3123	Hex.Socket Bolt (M4*L10)	41	F-2-10
09005SC-3123	Truss Screw (M3*L6)	47	G-1-9
09005SC-3123	Toothed Lock Washer	47	G-1-12
09005SC-3123	Truss Screw (M3*L6)	48	G-2-15
09005SC-3123	Truss Screw (M3*L6)	49	G-3-4
09005SC-3123	Truss Screw (M3*L6)	57	H-5-12
09007SC-4113	Hex. Socket Bolt (M3*L12)	107	R1-3-11
09007SC-7113	Hex. Socket Bolt (M3*L12)	30	D-2-6
09007SC-7113	Hex. Socket Bolt (M3*L12)	108	R1-3-39
09-023C-SC53	Q.C Passed Sticker	80	M-1-17
09-023C-SC53	QC Passed Sticker	86	M-4-19
09033PR-A002	Presser Base Cover 9C	67	I-3-3
09034PR-AE00	Upper Thread Presser Base 6C	67	I-3-1
09035ET-AE00	Velcro 6C	67	I-3-2
09037PR-AE00	Presser Base Cover 6C	67	I-3-3
09038CW-A001	Thread Presser Space	67	I-3-5
09040PR-A001	Bracket (L)	67	I-3-6
09041PR-A001	Bracket (R)	67	I-3-7
09044PR-A001	Upper Thread Holder Disk "A" Set	67	I-3-10
09200100B000	Washer (Pvc)	90	N-1-23
096440C-8119	Spring Adjusting Screw	41	F-2-13
096440N-3211	Spring Adjusting Nut (9/64,N40	41	F-2-14
10000100A000	Thread Guide (L=200)	70	J-1-8
10000200B000	Spool Plate Washer	70	J-1-4
10001AF-A001	Picker	68	I-4-19
10-001C-AT10	Insulation Bush(A)	86	M-4-25
10-002S-SW66	IO Board Screw (SET) (M3XL8)	86	M-4-18
10-003M-PT01	Fixing Screw for Front Cover(Truss)	80	M-1-19
10-003M-PT01	Fixing Screw for Side Cover(Truss)	81	M-2-19
10-003M-PT01	Fixing Screw for Rear Cover(Truss)	84	M-3-28
10-003M-PT01	Fixing Screw (M4xL8)	88	M-5-30
10-003S-SW66	Spring Washer	81	M-2-9
10004CW-A001	Picker Holder	68	I-4-17
10-004M-SW68	Fixing Screw for Trimming Driver Radiator(B)	83	M-3-12
10-004M-SW68	Screw for Connector Position Cover (M3XL5)	88	M-5-20
10-004S-SW66	Washer	81	M-2-10
10005500B000	BEARING CONNECTING BLOCK	102	Q-2-1
10006700B000	Bearing Connecting Block	102	Q-2-10
10006FU-A001	Picker Connecting Crank	68	I-4-15
10009EL-A001	Picker Sol. Set	68	I-4-4
10010SC-8119	Plus Screw (M3*L5)	68	I-4-5
10011SP-A001	Sol. Spring	68	I-4-6
10-012M-PT10	Stud for Joint Board	83	M-3-6
10-012M-PT10	Stud for Trimming Driver(B)	84	M-3-14
10012RB-A001	Cushion Washer	68	I-4-7
10013PM-A001	Picker Sol. Cover	68	I-4-8
10015PR-A001	Picker Sol. Base	68	I-4-10
10-016M-SW66	Fixing Screw for Transformer A	81	M-2-8
10017RB-A001	Picker Stopper	31	D-3-5
10019PR-A001	Connecting Link	68	I-4-12

Part No.	Part Name	Page	Ref.No
10020SC-A001	Connecting Link Stud Screw	68	I-4-14
10-021M-SW66	Fixing Screw for Joint Board(Set)	83	M-3-7
10-021M-SW66	Fixing Screw for Trimming Driver (Set)	84	M-3-15
10021SC-A001	Sol. Stud Screw	68	I-4-13
10-027C-SC53	Magnet	43	F-3-20
10-028S-SC53	Screw for Pressing Plate (M3xL7	85	M-4-6
10-028S-SC53	Fixing Screw for SB DDC Radiator(SET) (M3xL7)	86	M-4-23
10-028S-SC53	Inverter Fixing Plate (M3xL7)	86	M-4-27
10-028S-SC53	Speaker Fixing Screw (M3xL7)	86	M-4-29
10-042M-AU10	Fixing Screw for Trimming Driver BracketB(Set)	84	M-3-17
10-042M-AU10	Fixing Screw for Drive Fixing Bracket B(Set)	84	M-3-24
10-072S-SW70	Fixing Screw for External Concept	81	M-2-14
10200102H000	Head Face Plate (U)	41	F-2-1
10400304B000	Spring Holder	41	F-2-15
10500100H000	Frame Felt "V"	100	Q-1-19
10500100H000	Frame Felt "V"	100	Q-1-25
10500100H000	Frame Felt "V"	100	Q-1-28
10500200F000	Frame Bushing A	100	Q-1-2
10500200F000	Frame Bushing A	100	Q-1-4
10500200H000	Bushing Nut "A"	100	Q-1-20
10500300F000	Frame Felt	100	Q-1-22
10500300F000	Frame Felt	100	Q-1-24
10500300F000	Frame Felt	100	Q-1-27
10500310H000	COVER FOR Frame A	101	Q-1-40
10500400H000	Right C0Rner Guide (E)	102	Q-2-14
10500500H000	Right C0Rner Guide (F)	102	Q-2-16
10500600H000	Cover For Frame B	101	Q-1-39
10500700FSRG	X- Clamp Support Rubber	100	Q-1-35
10500900F000	Frame Felt	100	Q-1-26
10501200F000	Y-Axis Sash (L)	100	Q-1-6
10501400F000	Y-Axis Hose Support	100	Q-1-34
10501500F000	Frame (G) L=1040	100	Q-1-31
10501700F000	Left Corner Guide (A)	100	Q-1-7
10501800F000	Left Corner Guide (B)	100	Q-1-9
10501800F000	Left Corner Guide (B)	100	Q-1-10
10501900F000	Left Corner Guide (C)	100	Q-1-11
10502000F000	Y-Axis C0Rner Guide (A)	100	Q-1-12
10502100F000	Right C0Rner Guide (D)	100	Q-1-14
10502200F000	Y-Axis C0Rner Guide (B)	100	Q-1-15
10502300F000	Frame Bushing "C" Washer	100	Q-1-5
10502500F000	Hose Cover	101	Q-1-36
10510500B000	Bearing Connecting Block Join	102	Q-2-6
10600100H000	Angle Frame	71	J-2-9
10600600H000	Angle Base	71	J-2-10
11005PM-CT06	TENSION PLATE COVER	49	G-3-6
11009EL-A001	Jumping Sol.	17	B-4-20
11009PR-B001	Thread Breakage Detecting Plat	47	G-1-8
11009SC-A001	Stud Screw	47	G-1-4
11012PR-B001	Thread Guide	41	F-2-9
11012PR-B001	Thread Guide (New)	47	G-1-11
11014SN-1211	Hex. Nut (M3)	47	G-1-13
11014SN-1211	Hex. Nut (M3)	66	I-2-10
11014SN-1211	Hex.Nut (M3-No2)	107	R1-3-25

Part No.	Part Name	Page	Ref.No
11019MC-7113	Screw (M3*P0.5*L42)	108	R1-3-40
11019SW-9115	Spring Washer (@3)	28	D-1-26
11019SW-9115	Spring Washer (3@)	54	H-3-16
11019SW-9115	Spring Washer (3@)	61	H-7-36
11019SW-9115	Spring Washer (@3)	66	I-2-9
11019SW-9115	Spring Washer (@3)	78	L-2-5
11019SW-9115	Spring Washer (3@)	104	R1-1-34
11019SW-9115	Spring Washer (3@)	108	R1-3-41
11021SC-4113	Hex. Socket Bolt (M4*L35)	91	N-2-9
11029SC-4113	Hex. Socket Bolt (M4*L20)	18	B-5-8
11029SC-4113	Hex. Socket Bolt (M4*L20)	18	B-5-14
11029SC-4113	Hex. Socket Bolt (M4*L20)	47	G-1-15
11029SC-4113	Hex. Socket Bolt (M4*L20)	66	I-2-20
11029SC-4113	Hex. Socket Bolt (M4*L20)	104	R1-1-5
11029SC-4113	Hex. Socket Bolt (M4*L20)	106	R1-2-5
11029SC-4113	Hex. Socket Bolt (M4*L20)	108	R1-3-45
11033PM-CT06	Roller Base Ass'Y	48	G-2-2
11048RP-AE00	Cable Support Plate	42	F-2-29
11049SC-A001	Board Stud Bolt	78	L-2-2
11075PM-B001	Thread Sensor Roller(B1)Set	48	G-2-1
11083CW-B001	Thread Detecting Wheel Stud	48	G-2-3
11100300F000	Y-Clamp Cylinder Knuckle	107	R1-3-23
11101200T000	Upper Dead Point Stopper	39	F-1-13
11101400F000	Y-Clamp Fixed Bracket (R,Up)	107	R1-3-15
11101500F000	Y-Clamp Fixed Bracket (R,DOWN)	107	R1-3-16
11101600F000	Y-Clamp Fixed Bracket (L,Up)	108	R1-3-43
11101700F000	Y-Clamp Fixed Bracket (L,DOWN)	108	R1-3-44
11102100F000	F-S Stroke Control Collar	108	R1-3-38
11102200F000	Air Cylinder Shaft Nut A	107	R1-3-18
11102300F000	Air Cylinder Shaft Nut B	107	R1-3-21
11200700F000	X-Clamp Bushing Screw	104	R1-1-14
11201000F000	Rubber A for X-Clamp Presser Plate	105	R1-1-37
11201100F000	Rubber B for X-Clamp Presser Plate	105	R1-1-38
11201200F000	Cylinder Base Bracket "A"	104	R1-1-15
11201200F000	Cylinder Base Bracket "A"	106	R1-2-14
11201300F000	Cylinder Base Bracket "B"	104	R1-1-16
11201300F000	Cylinder Base Bracket "B"	106	R1-2-15
11201600F000	Hinge Screw for X-Clamp Presser Plate	105	R1-1-36
11300400F000	Front Clamp Control Collar	110	R2-1-25
11300400F000	Front Clamp Control Collar	112	R2-2-25
11300500F000	Front Clamp Cushion Spring	110	R2-1-27
11300500F000	Front Clamp Cushion Spring	112	R2-2-27
11300900F000	Front Clamp Bracket (L)	110	R2-1-31
11300900F000	Front Clamp Bracket (L)	112	R2-2-31
11301000F000	Fabric Guide Bracket Screw	110	R2-1-33
11301000F000	Fabric Guide Bracket Screw	112	R2-2-33
11301210F000	Front Clamp Support Plate (L)	110	R2-1-32
11301210F000	Front Clamp Support Plate (L)	112	R2-2-32
11301400F000	Front Clamp Plate Rubber (L)	110	R2-1-35
11301400F000	Front Clamp Plate Rubber (L)	112	R2-2-35

U. Index

Part No.	Part Name	Page	Ref.No
11301600F000	Front Clamp Support Felt	110	R2-1-2
11301600F000	Front Clamp Support Felt	112	R2-2-2
11302510F000	Front C-Cylinder Shaft Bush	110	R2-1-28
11302510F000	Front C-Cylinder Shaft Bush	112	R2-2-28
11302600F000	Front Clamp Cylinder Holder A	111	R2-1-37
11302600F000	Front Clamp Cylinder Holder A	113	R2-2-37
11302700F000	Front Clamp Cylinder Holder B	111	R2-1-36
11302800F000	Front C-Cylinder Holder Plate	111	R2-1-38
11302800F000	Front C-Cylinder Holder Plate	113	R2-2-38
11304500F000	Rear Clamp Base (R)	112	R2-2-15
11304600F000	Rear Clamp Base (L)	112	R2-2-16
11305000F000	Rear Clamp Cylinder Holder	113	R2-2-36
11400100F000	Filter Regulator	119	T-1-1
11400200F000	Air Presser Switch Is1000-202Y	119	T-1-2
11400300F000	Pitting PI06-02	119	T-1-3
11400400F000	Finger Valve Vhk02-02S-02S	119	T-1-4
11400500F000	Quick Joint Cf-22	119	T-1-5
11400600F000	Manifold Mf1000-04	119	T-1-12
11400700F000	Solenoid Valve Sf1110-6G-01	119	T-1-13
11400800F000	Silencer Ass-02	119	T-1-14
11400900F000	Pitting Pwt-04-01	119	T-1-15
11401000F000	Pitting Py04-00C	119	T-1-16
11401100F000	Pitting PI04-M5C	119	T-1-17
11401110F000	Pitting (Kj)04-M5	104	R1-1-26
11401110F000	Pitting (Kj)04-M5	107	R1-3-20
11401110F000	Pitting (Kj)04-M5	110	R2-1-29
11401110F000	Pitting (Kj)04-M5	112	R2-2-29
11401200F000	Decrease Press Valve Arj2101Bg	119	T-1-18
11401310F000	Pitting Kjt04-00	104	R1-1-29
11401400F000	Air Cylinder Cuk16-25D	18	B-5-7
11401400F000	Air Cylinder Cuk16-25D	111	R2-1-42
11401400F000	Air Cylinder Cuk16-25D	113	R2-2-42
11401710F000	Pitting Kjh04-M5	104	R1-1-27
11401710F000	Pitting Kjh04-M5	111	R2-1-44
11401710F000	Pitting Kjh04-M5	113	R2-2-44
11401810F000	Pitting Kjt04-M5	104	R1-1-28
11401810F000	Pitting Kjt04-M5	111	R2-1-43
11401810F000	Pitting Kjt04-M5	113	R2-2-43
11401910F000	Y-clamp Airylinder CQ2B1216-Y1G01-15	107	R1-3-22
11402010F000	Air Cylinder Cq2B12-25Dm	107	R1-3-17
11402110F000	Front Cylinder Cm2B20-Kre0345	110	R2-1-30
11402110F000	Front Cylinder Cm2B20-Kre0345	112	R2-2-30
11402210F000	Pitting Kjt04-M5	111	R2-1-45
11402210F000	Pitting Kjt04-M5	113	R2-2-45
11403100F000	Finger Valve Supporter	119	T-1-6
11403310F000	Fabric Presser	18	B-5-15
11403410F000	Fabric Presser Felt	18	B-5-16
11403600F000	Fabric Presser Bracket Stud	18	B-5-12
11501300F000	Collar for Working Metalial Guide	116	S-2-3
11700200F000	Fabric Stand "A"	115	S-1-1
11700300F000	Fabric Stand "B"	115	S-1-2
11700910FSR0	Roll Guide Base "A" New	115	S-1-19
11701100FSR0	Roll Guide "B" (L=1894)	115	S-1-16

Part No.	Part Name	Page	Ref.No
11701200F000	Roll Guide Bushing	115	S-1-17
11701310F000	Roll Guide Base "B" New	115	S-1-18
11701600F000	Tension Control Guide Link	115	S-1-24
11701700F000	Tension Control Guide Screw	115	S-1-25
11702100F000	Fabric Guide Bushing	115	S-1-27
11702200F000	Fabric Guide Bushing Bearing	115	S-1-28
11702200F000	Fabric Guide Bushing Bearing	117	S-3-19
11702400F000	Roll Guide Base A-1	115	S-1-12
11800200F000	Roll-Up Stand Frame	117	S-3-1
11800300F000	Roll-Up Stand Support	117	S-3-2
11800500F000	Roll Guide Bracket	117	S-3-6
11800600F000	Plate For Roll Guide Stopper	117	S-3-10
11800900F000	Roll Handle Bracket	117	S-3-15
11801000F000	Roll Handle	117	S-3-16
11801100F000	Roll Guide Bushing	117	S-3-17
11801200F000	Roll Guide Fixed Bolt	117	S-3-18
12000100H000	Rubber For Body Support	97	P-1-17
12000110H000	Needle Plate Set @2.0	68	I-4-22
12000200B000	CABLE COVER PLATE	90	N-1-7
12000410B000	Needle Plate Attachment @2.0	68	I-4-24
12001100I000	BEAM SIDE COVER	97	P-1-1
1200110BT00	Body Cover (D)	97	P-1-6
12002000I000	X-Y Axis Servo Motor Cover	53	H-2-31
12002000I000	Y-Axis Servo Motor Cover A	59	H-6-30
12009SC-A001	Spool Post	70	J-1-9
12010SN-1211	Hex.Nut (M5)	54	H-3-10
12010SN-1211	Hex.Nut (M5)	61	H-7-10
12010SN-1211	Hex.Nut (M5)	62	H-7-44
12010SN-1211	Hex.Nut (M5-No2)	70	J-1-12
12012PM-A001	Spool Holder	70	J-1-7
12012-PM-A001	Spool Holder	94	O-1-5
12013SC-A001	Spool Plate Fixing Bolt(M8*L22)	70	J-1-5
12014SC-A001	Spool Stand Bolt	70	J-1-15
12042PM-A001	Eyelet	71	J-2-18
12049SF-A001	Felt	70	J-1-14
12052SF-A001	Spool Sponge	70	J-1-13
12100310B000	Body Cover (C)	97	P-1-5
12101000I000	Bearing Cover (A)	34	E-1-22
12101100I000	Bearing Cover (B)	36	E-2-5
12210000T000	Bobbin Winder	94	O-1-20
12300900I000	Mount	11	A-1-2
13008GA-A001	Color Change Cam Gear	43	F-3-7
13012CW-A001	Cam Collar	43	F-3-8
13018PR-A001	Half Turn Film Washer "A" (T2.3)	45	F-4-6
13019PR-A001	Half Turn Film Washer "B" (T1)	45	F-4-7
13020SC-7113	Hex.Socket Screw(M3 x L8)	104	R1-1-33
13023EL-A001	Half Turn Sensor	45	F-4-24
13025PM-A001	Sensor Cover	45	F-4-10
13028MT-A001	Color Change Motor Unit	45	F-4-1
13030SC-4517	Hex. Socket Set Screw (M4*L8)	45	F-4-3
13034AD-A001	Color Change Block	43	F-3-11
13035BR-A001	Guide Bushing	43	F-3-12
13036PR-A001	Magnet Holder	43	F-3-19

Part No.	Part Name	Page	Ref.No
13040CW-A001	Roller Shaft	43	F-3-14
13042SN-1111	Hex. Nut (M6*T5-R)	28	D-1-22
13042SN-1111	Hex. Nut (M6*T5-R)	43	F-3-18
13042SN-1111	Hex. Nut (M6*T5-R)	43	F-3-25
13042SN-1111	Hex. Nut (M6*T5-R)	43	F-3-29
13042SN-1111	Hex. Nut (M6*T5-R)	64	I-1-20
13042SN-1111	Hex. Nut (M6*T5-R)	64	I-1-34
13042SN-1111	Hex. Nut (M6*T5-R)	73	K-1-28
13043CW-A001	Roller	43	F-3-15
13044SR-4013	E-Ring (@4)	43	F-3-16
13048SC-A001	Bracket"A" Screw	98	P-2-4
13053PR-A005	Membrane Switch Cover 6,9C	45	F-4-15
13054SC-3123	Truss Screw (M3*L8)	94	O-1-19
13060ET-A005	Board Cover 6,9C	45	F-4-19
13061SC-8119	Plus Screw (M3*L10)	45	F-4-20
13061SC-8119	Plus Screw (M3*L10)	64	I-1-15
14002SC-7113	Hex.Socket Bolt (M6*L15)	28	D-1-2
14002SC-7113	Hex.Socket Set Screw(M6*L15)	51	H-1-36
14002SC-7113	Hex.Socket Bolt (M6*L15)	60	H-6-38
14002SC-7113	Hex.Socket Bolt (M6*L15)	117	S-3-3
14003SC-4113	Hex. Socket Bolt (M8*L25)	28	D-1-4
14006SC-4113	Hex/ Socket Bolt (M8*L15)	57	H-5-6
14006SC-7113	Hex.Socket Bolt (M8×L10)	34	E-1-12
14006SC-7113	Hex.Socket Set Screw(M8*L15)	55	H-4-28
14006SC-7113	Hex.Socket Set Screw(M8*L15)	57	H-5-17
14027SC-4113	Hex.Socket Bolt (M8*L30)	37	E-3-7
14032SW-3115	Spring Washer (12@)	115	S-1-33
14033SN-8211	Hex.Nut (M12-No2)	115	S-1-34
14033SN-8211	Hex.Nut (M12-No2)	117	S-3-24
14046SC-7113	Hex.Socket Bolt (M6*L30)	26	C-6-2
14046SC-7113	Hex.Socket Bolt (M6*L30)	117	S-3-7
14058CW-A001	Collar "A"	36	E-2-10
14060AF-4517	Hex.Socket Screw(M6*L6)	28	D-1-17
14060AF-4517	Hex.Socket Screw(M6*L6)	28	D-1-30
14060AF-4517	Hex.Socket Screw(M6*L6)	34	E-1-21
14060AF-4517	Hex.Socket Screw(M6*L6)	34	E-1-26
14060AF-4517	Hex.Socket Bolt (M6*L6)	36	E-2-4
14060AF-4517	Hex.Socket Screw(M6*L6)	36	E-2-11
14060AF-4517	HEX.SOCKET SCREW(M6*L6)	43	F-3-6
14060AF-4517	Hex.Socket Screw(M6*L6)	51	H-1-16
14060AF-4517	HEX.SOCKET SCREW(M6*L6)	51	H-1-35
14060AF-4517	Hex.Socket Screw(M6*L6)	52	H-1-38
14060AF-4517	Hex.Socket Screw(M6*L6)	53	H-2-11
14060AF-4517	Hex.Socket Screw(M6*L6)	53	H-2-24
14060AF-4517	Hex.Socket Screw(M6*L6)	55	H-4-23
14060AF-4517	Hex.Socket Set Screw(M5*L5)	59	H-6-17
14060AF-4517	Hex.Socket Screw(M6*L6)	59	H-6-27
14060AF-4517	HEX.SOCKET SCREW(M6*L6)	60	H-6-37
14060AF-4517	Hex.Socket Screw(M6*L6)	60	H-6-40
14061AF-4517	Hex.Socket Screw(M8*L8)	34	E-1-31
14061AF-4517	Hex.Socket Screw(M8*L8)	36	E-2-9
14061AF-4517	Hex.Socket Screw(M8*L8)	53	H-2-29
14061AF-4517	Hex.Socket Screw(M8*L8)	55	H-4-30

U. Index

Part No.	Part Name	Page	Ref.No
14061AF-4517	Hex.Socket Screw (M8*L8)	59	H-6-9
14064SN-7311	Hex.Nut (M6-No3)	51	H-1-30
15001BR-B001	Cam Roller Baearing	54	H-3-5
15001BR-B001	Cam Roller Baearing	61	H-7-5
15001BR-B001	Cam Roller Bearing	62	H-7-39
15002CW-B001	Cam Roller Stud (A)	54	H-3-6
15002CW-B001	Cam Roller Stud (A)	61	H-7-6
15002CW-B001	Cam Roller Stud (A)	62	H-7-40
15003CW-B001	Cam Roller Stud (B)	54	H-3-9
15003CW-B001	Cam Roller Stud (B)	61	H-7-9
15003CW-B001	Cam Roller Stud (B)	62	H-7-43
15004CL-B001	Y Adjusting Shaft Guide (A)	55	H-4-24
15005CL-B001	Y Adjusting Shaft Guide (B)	55	H-4-25
15006CL-B001	Adjusting Shaft Stopper	55	H-4-27
15019SC-4113	Hex. Socket Bolt (M8*L40)	37	E-3-2
15019SC-4113	Hex. Socket Bolt (M8*L40)	53	H-2-19
15019SC-4113	Hex. Socket Bolt (M8*L40)	55	H-4-5
15019SC-4113	Hex. Socket Bolt (M8*L40)	59	H-6-22
15020SC-4113	Hex.Socket Bolt (M8*L50)	51	H-1-4
15020SC-4113	Hex.Socket Bolt (M8*L50)	57	H-5-20
15020SC-A001	Plus Screw (M3*L8)	55	H-4-9
15-026M-1000	Cable Tie	88	M-5-18
15028SC-1111	Hex. Bolt (M6*L20)	51	H-1-17
15028SC-1111	Hex. Bolt (M6*L20)	55	H-4-19
15029SN-3211	Hex. Nut (M4-No2)	54	H-3-8
15029SN-3211	Hex. Nut (M4-No2)	61	H-7-8
15029SN-3211	Hex. Nut (M4-No2)	62	H-7-42
15030AD-B021	Y Cam Roller Guide Rail L=633	55	H-4-2
15030SC-7113	Hex. Socket Bolt (M5*L30)	104	R1-1-21
15030SC-7113	Hex. Socket Bolt (M5*L30)	106	R1-2-20
15033CW-B001	Cam Roller Screw "B"	55	H-4-29
15037AD-BB11	X-Driving Pulley Shaft	54	H-3-1
15037AD-BE11	Cam Roller Guide Rail (L=614)	57	H-5-2
15042BR-A001	Needle Bearing (1210Zz)	51	H-1-21
15042BR-A001	Needle Bearing (1210Zz)	55	H-4-14
15042SC-3123	TRUSS SCREW (M4*L6)	30	D-2-9
15042SC-3123	Truss Screw (M4*L6)	94	O-1-9
15042SC-3123	Truss Screw (M4*L6)	107	R1-3-30
15042SC-3123	Truss Screw (M4*L6)	108	R1-3-32
15045EL-UK01	Bid(Large)	29	D-1-41
15046ET-T121	Wire Holder	26	C-6-10
15046RB-A001	Fiber Washer(TW1225NTN)	51	H-1-22
15046RB-A001	Driving Pin Washer (Tw1225)	55	H-4-15
15050PR-B041	SUPPORT ANGLE FOR TABLE "A"	55	H-4-32
15051PR-H041	SUPPORT ANGLE FOR TABLE "B-1"	56	H-4-38
15052CW-B041	SUPPORT ANGLE BRACKET TABLE	55	H-4-33
15055PR-A001	Tension Rivet Plate (W) W:48	51	H-1-26
15056PR-A001	Tension Plate (W) (Belt:48)	51	H-1-27
15056PR-B001	Square Washer	55	H-4-12
15058SC-1211	Hex. Bolt (M6*L58)	51	H-1-29
15064SC-A001	C.S Screw (M3*L3.5)	12	A-2-20
15067SC-A001	Hex.Socket Bolt (M4*L7)	61	H-7-24
15074SC-A001	Stopper Stud	61	H-7-29

Part No.	Part Name	Page	Ref.No
15077BR-B001	Ball Bearing (Lr606Nppu)	61	H-7-11
15077BR-B001	Ball Bearing (Lr606Nppu)	61	H-7-25
15077BR-B001	Ball Bearing (Lr606Nppu)	102	Q-2-7
15077BR-B001	Ball Bearing (Lr606Nppu)	102	Q-2-11
15077SW-2111	Washer (@8)	57	H-5-7
15077SW-2111	Washer (8@-S)	61	H-7-13
15077SW-2111	Washer (@8)	70	J-1-6
15078SW-8113	Toothed Lock Washer (@8)	61	H-7-14
15079SN-2311	Rail Guide Shaft Nut	61	H-7-15
15084SC-7119	C.S Screw (M4*L6)	61	H-7-3
15089SC-7119	C.S Screw (M4*L12)	51	H-1-28
15089SC-7119	C.S Screw (M4*L5)	107	R1-3-5
15092RB-B001	V-RAIL SUPPORT RUBBER CAP	57	H-5-4
15093AD-B001	Table Support	57	H-5-29
15094SC-3123	Truss Screw (M4*L6)	107	R1-3-12
15095AD-B001	Spacer	57	H-5-16
15095SW-3115	Spring Washer (@8)	12	A-2-5
15095SW-3115	Spring Washer (@8)	19	B-6-4
15095SW-3115	Spring Washer (@8)	28	D-1-5
15095SW-3115	Pulley Box Spring Washer [Ø8]	34	E-1-3
15095SW-3115	Spring Washer (Ø8)	34	E-1-14
15095SW-3115	Spring Washer (@8)	37	E-3-3
15095SW-3115	Spring Washer (@8)	37	E-3-8
15095SW-3115	Spring Washer (@8)	43	F-3-3
15095SW-3115	Spring Washer (@8)	51	H-1-5
15095SW-3115	Spring Washer (@8)	53	H-2-3
15095SW-3115	Spring Washer (@8)	53	H-2-7
15095SW-3115	Spring Washer (@8)	53	H-2-17
15095SW-3115	Spring Washer (@8)	53	H-2-20
15095SW-3115	Spring Washer (@8)	55	H-4-6
15095SW-3115	Spring Washer (@8)	57	H-5-18
15095SW-3115	Spring Washer (@8)	57	H-5-21
15095SW-3115	Spring Washer (@8)	57	H-5-25
15095SW-3115	Spring Washer (@8)	59	H-6-3
15095SW-3115	Spring Washer (@8)	59	H-6-13
15095SW-3115	Spring Washer (@8)	59	H-6-20
15095SW-3115	Spring Washer (@8)	59	H-6-23
15095SW-3115	Spring Washer (@8)	73	K-1-23
15096CW-B001	Stud Bolt (M8*L90)	57	H-5-24
15097CW-A001	RAIL GUIDE PIN "A"	61	H-7-27
15097PR-B001	Stud Bracket	57	H-5-23
15098CW-A001	RAIL GUIDE PIN "B"	61	H-7-26
15105SC-7113	HEX.SOCKET BOLT (M4*L15)	61	H-7-21
15105SC-7113	Hex.Socket Screw (M4*L15)	104	R1-1-20
15105SC-7113	Hex.Socket Screw (M4*L15)	106	R1-2-19
15105SC-7113	Hex.Socket Screw (M4*L15)	107	R1-3-19
15105SC-7113	Hex.Socket Screw (M4*L15)	110	R2-1-6
15105SC-7113	Hex.Socket Screw (M4*L15)	112	R2-2-6
15105SC-7113	Hex.Socket Screw (M4*L15)	113	R2-2-47
15105SC-7113	Hex.Socket Screw (M4*L15)	117	S-3-11
15120SC-A001	Position Adjusting Screw	51	H-1-8
15120SC-A001	Position Adjusting Screw	51	H-1-10
15120SC-A001	Position Adjusting Screw	55	H-4-11

Part No.	Part Name	Page	Ref.No
15121PR-A001	Square Washer	51	H-1-14
15163SC-3123	Truss Screw (M3*L12)	45	F-4-25
16005RB-A001	Table Support End Cap	73	K-1-10
16009SC-4113	Hex. Socket Screw (M10*L25)	73	K-1-6
16010SC-8330	Tapping Screw (M6*L25)	57	H-5-33
16010SC-8330	Tapping Screw (M6*L25)	73	K-1-12
16010SC-8330	Tapping Screw (M6*L25)	74	K-2-22
16014SW-4115	Spring Washer (Ø8)	35	E-1-38
16014SW-4115	Spring Washer (@8)	64	I-1-4
16014SW-4115	Spring Washer (@8)	64	I-1-19
16014SW-4115	Spring Washer (@8)	64	I-1-26
16014SW-4115	Spring Washer (@6)	73	K-1-26
16014SW-4115	Spring Washer (@6)	102	Q-2-20
16014SW-4115	Spring Washer (@6)	117	S-3-8
16015CW-A001	Table Support(G)(40*L200)	73	K-1-19
16015PR-A001	Table Spacer (T=2.0)	73	K-1-8
16016CW-A001	Table Support Bracket "A" (50*560)	73	K-1-18
16018SW-1111	Washer (@5)	23	C-3-8
16018SW-1111	Washer (@5)	25	C-5-7
16018SW-1111	Washer (@5)	25	C-5-15
16018SW-1111	Washer (@5)	74	K-2-21
16018SW-1111	Washer (@5)	78	L-2-9
16018SW-1111	Washer (@5)	90	N-1-18
16021CW-A001	Stud Bolt	73	K-1-20
16028SC-7113	Hex. Socket Bolt (M5*L25)	25	C-5-5
16028SC-7113	Hex. Socket Bolt (M5*L25)	25	C-5-13
16059MT-E131	Y MOTOR (103H8222-5212)	28	D-1-31
16059SC-7113	Hex.Socket Bolt (M6*L12)	55	H-4-26
16061SH-UI12	Low Shaft "C" [2637mm]	36	E-2-15
16103CL-H001	Belt Catcher Plate (X,Y)	54	H-3-4
16103CL-H001	Belt Catcher Plate (X,Y)	62	H-7-38
17051SN-A001	Mes Driving Shaft Joint	29	D-1-36
17051SN-A001	Mes Driving Shaft Joint	44	F-3-31
17053SN-1111	Hex. Nut (M6*T5-L)	28	D-1-23
17053SN-1111	Hex. Nut (M6*T5-L)	44	F-3-30
17054SH-AB00	COLOR CHANGE SHAFT "A"	43	F-3-24
17055SH-A005	COLOR CHANGE SHAFT "A"	43	F-3-24
17063SH-AE00	Mes Driving Shaft "C" (L=1624)	29	D-1-39
17063SH-AE00	Mes Driving Shaft "C" (L=1624)	65	I-1-46
17067SH-AE00	COLOR CHANGE SHAFT "B" (L=1192)	43	F-3-28
18002SH-D092	Low Shaft "B" [1575.5mm]	36	E-2-15
18009EL-WH06	Wheel Sensor Board	48	G-2-9
18014SC-7113	Truss Screw (M4*L9)	100	Q-1-8
18014SC-7113	Truss Screw (M4*L9)	100	Q-1-13
18014SC-7113	Truss Screw (M4*L9)	100	Q-1-16
18014SC-7113	Truss Screw (M4*L9)	100	Q-1-30
18014SC-7113	Truss Screw (M4*L9)	102	Q-2-15
18014SC-7113	Truss Screw (M4*L9)	102	Q-2-17
18014SW-3115	Spring Washer (@4-No2)	18	B-5-9
18014SW-3115	Spring Washer (@4-No2)	37	E-3-14
18014SW-3115	Spring Washer (@4-No2)	51	H-1-11
18014SW-3115	Spring Washer (@4-No2)	54	H-3-7
18014SW-3115	SPRING WASHER (@4-NO2)	55	H-4-35

U. Index

Part No.	Part Name	Page	Ref.No
18014SW-3115	Spring Washer (@4-No2)	57	H-5-10
18014SW-3115	Spring Washer (@4-No2)	61	H-7-18
18014SW-3115	Spring Washer (@4-No2)	62	H-7-41
18014SW-3115	Spring Washer (@4-No2)	65	I-1-54
18014SW-3115	Spring Washer (@4-No2)	66	I-2-3
18014SW-3115	Spring Washer (@4-No2)	91	N-2-3
18014SW-3115	Spring Washer (@4-No2)	91	N-2-10
18014SW-3115	Spring Washer (@4-No2)	92	N-3-3
18014SW-3115	Spring Washer (@4-No2)	92	N-3-17
18014SW-3115	Spring Washer (@4-No2)	102	Q-2-4
18014SW-3115	Spring Washer (@4-No2)	104	R1-1-6
18014SW-3115	Spring Washer (@4-No2)	104	R1-1-18
18014SW-3115	Spring Washer (@4-No2)	106	R1-2-6
18014SW-3115	Spring Washer (@4-No2)	106	R1-2-17
18014SW-3115	Spring Washer(4@)	110	R2-1-7
18014SW-3115	Spring Washer(4@)	110	R2-1-11
18014SW-3115	Spring Washer(4@)	112	R2-2-7
18014SW-3115	Spring Washer(4@)	112	R2-2-11
18014SW-3115	Spring Washer (@4-No2)	117	S-3-12
18015SW-3111	Washer (4@)	18	B-5-10
18015SW-3111	WASHER (4@)	24	C-4-6
18015SW-3111	Washer (4@)	26	C-6-14
18015SW-3111	Washer (4@)	37	E-3-15
18015SW-3111	WASHER (4@)	45	F-4-8
18015SW-3111	Washer (4@-S)	45	F-4-12
18015SW-3111	WASHER (4@)	56	H-4-36
18015SW-3111	Washer (4@)	57	H-5-11
18015SW-3111	Washer (4@)	61	H-7-19
18015SW-3111	Washer (4@-S)	65	I-1-55
18015SW-3111	Washer (4@-S)	66	I-2-4
18015SW-3111	Washer (4@)	91	N-2-4
18015SW-3111	Washer (4@)	91	N-2-11
18015SW-3111	Washer (4@)	91	N-2-22
18015SW-3111	Washer (4@)	92	N-3-4
18015SW-3111	Washer (4@)	92	N-3-18
18015SW-3111	Washer (4@)	102	Q-2-5
18015SW-3111	Washer (4@)	104	R1-1-7
18015SW-3111	Washer (4@)	104	R1-1-19
18015SW-3111	Washer (4@)	106	R1-2-7
18015SW-3111	Washer (4@)	106	R1-2-18
18015SW-3111	Washer (4@)	108	R1-3-46
18015SW-3111	Washer (4@)	110	R2-1-8
18015SW-3111	Washer (4@)	110	R2-1-12
18015SW-3111	Washer (4@)	112	R2-2-8
18015SW-3111	Washer (4@)	112	R2-2-12
18015SW-3111	Washer (4@)	117	S-3-13
18015SW-3111	Washer (4@)	119	T-1-7
18033PR-UK01	OIL TUBE GUIDE	24	C-4-7
18033SC-3123	Truss Screw (M5*L6)	53	H-2-32
18033SC-3123	Truss Screw (M5*L6)	59	H-6-31
18036CW-UK06	Oil Tank Cover Support	23	C-3-11
18045ET-UK01	Oil Hose L=160	24	C-4-4
18047SC-7113	Hex. Socket Bolt (M5*L15)	28	D-1-20

Part No.	Part Name	Page	Ref.No
18047SC-7113	Hex. Socket Bolt (M5*L15)	28	D-1-32
18047SC-7113	Hex/ Socket Bolt (M5*L15)	57	H-5-30
18047SC-7113	Hex.Socket Bolt (M5*L15)	74	K-2-19
18047SC-7113	Hex/ Socket Bolt (M5*L15)	102	Q-2-9
18047SC-7113	Hex/ Socket Bolt (M5*L15)	115	S-1-13
18047SC-7113	Hex/ Socket Bolt (M5*L15)	115	S-1-20
18047SC-7113	Hex/ Socket Bolt (M5*L15)	119	T-1-8
18048SC-7113	Hex.Socket Bolt (M5*L12)	100	Q-1-21
18048SW-3115	Spring Washer (@5)	23	C-3-7
18048SW-3115	Spring Washer (@5)	25	C-5-6
18048SW-3115	Spring Washer (@5)	25	C-5-14
18048SW-3115	SPRING WASHER (5@)	28	D-1-33
18048SW-3115	SPRING WASHER (5@)	30	D-2-3
18048SW-3115	Spring Washer (@5)	31	D-3-3
18048SW-3115	Spring Washer (5@)	57	H-5-31
18048SW-3115	Spring Washer (@5)	61	H-7-31
18048SW-3115	Spring Washer (@5)	64	I-1-23
18048SW-3115	Spring Washer (@5)	70	J-1-11
18048SW-3115	Spring Washer (@5)	71	J-2-15
18048SW-3115	Spring Washer (@5)	73	K-1-16
18048SW-3115	Spring Washer (@5)	74	K-2-20
18048SW-3115	Spring Washer (@5)	78	L-2-3
18048SW-3115	Spring Washer (@5)	78	L-2-8
18048SW-3115	Spring Washer (@5)	90	N-1-17
18048SW-3115	Spring Washer (5@)	104	R1-1-22
18048SW-3115	Spring Washer (5@)	106	R1-2-21
18048SW-3115	Spring Washer (5@)	110	R2-1-18
18048SW-3115	Spring Washer (5@)	110	R2-1-23
18048SW-3115	Spring Washer (5@)	111	R2-1-40
18048SW-3115	Spring Washer (5@)	112	R2-2-18
18048SW-3115	Spring Washer (5@)	112	R2-2-23
18048SW-3115	Spring Washer (5@)	113	R2-2-40
18048SW-3115	Spring Washer (@5)	115	S-1-5
18048SW-3115	Spring Washer (@5)	115	S-1-9
18048SW-3115	Spring Washer (5@)	115	S-1-15
18048SW-3115	Spring Washer (5@)	115	S-1-21
18048SW-3115	Spring Washer (5@)	115	S-1-30
18048SW-3115	Spring Washer (5@)	117	S-3-21
18048SW-3115	Spring Washer (5@)	119	T-1-10
18049SW-3111	WASHER (@5)	28	D-1-34
18049SW-3111	WASHER (@5)	30	D-2-4
18049SW-3111	Washer (@5)	57	H-5-32
18049SW-3111	Washer (@5)	64	I-1-24
18049SW-3111	Washer (@5)	70	J-1-10
18049SW-3111	Washer (@5)	73	K-1-17
18049SW-3111	Washer (@5)	90	N-1-6
18049SW-3111	Washer (@5)	97	P-1-13
18049SW-3111	Washer (@5)	104	R1-1-23
18049SW-3111	Washer (@5)	106	R1-2-22
18049SW-3111	Washer (@5)	110	R2-1-19
18049SW-3111	Washer (@5)	110	R2-1-24
18049SW-3111	Washer (@5)	111	R2-1-41
18049SW-3111	Washer (@5)	112	R2-2-19

Part No.	Part Name	Page	Ref.No
18049SW-3111	Washer (@5)	112	R2-2-24
18049SW-3111	Washer (@5)	113	R2-2-41
18049SW-3111	Washer (@5)	115	S-1-6
18049SW-3111	Washer (@5)	115	S-1-10
18049SW-3111	Washer (@5)	115	S-1-14
18049SW-3111	Washer (@5)	115	S-1-22
18049SW-3111	Washer (@5)	115	S-1-31
18049SW-3111	Washer (@5)	117	S-3-22
18049SW-3111	Washer (@5)	119	T-1-11
18051CW-AH20	X-Axis Guide Rail (L=600)	100	Q-1-29
18062CW-A021	Rail Guide Pin "B"	102	Q-2-8
18066CW-A021	Rail Guide Pin "A"	102	Q-2-12
18067SC-7119	Hex. Socket Bolt (M5*L8)	102	Q-2-13
18067SF-AE00	Frame Felt (G) 2.5T L650 B19	100	Q-1-23
18068RB-A001	Embroidery Frame End Cap(L)	102	Q-2-25
18069RB-A001	Embroidery Frame End Cap(R)	102	Q-2-26
18070CW-A021	Insert Bushing	102	Q-2-22
18109PM-B001	Embroidery Frame G End Cap(L)	101	Q-1-41
18110PM-B001	Embroidery Frame End Cap(R)	101	Q-1-42
18111CW-B001	Frame 'E' Roller	61	H-7-33
18152SC-3123	Truss Screw (M4*L15)	91	N-2-16
18153SC-3123	Truss Screw (M4*L12)	94	O-1-7
18153SC-3123	Truss Screw (M4*L12)	95	O-2-2
18154SC-9134	Plus Screw (M3*L8)	78	L-2-4
19002SC-1330	Tapping Screw (4*L16-No1)	91	N-2-2
19002SC-1330	Tapping Screw (4*L16-No1)	91	N-2-18
19002SC-1330	Tapping Screw (4*L16-No1)	92	N-3-2
19002SC-1330	Tapping Screw (4*L16-No1)	92	N-3-11
19002SC-1330	Tapping Screw (M4*L16)	116	S-2-7
19005SC-8118	Plus Screw (M3*L20)	91	N-2-24
19012SP-B001	Return Spring	91	N-2-6
19021PM-B001	S/W Bar Guide	91	N-2-8
20-002B-SW70	Connecting Pressing Plate Sponge	85	M-4-5
20-006A-SW70	LCD	86	M-4-31
20009EL-B001	LAMP (32W)	90	N-1-19
20014ET-A001	Lamp Socket	90	N-1-11
20015PR-A001	Lamp Structure B	90	N-1-13
21002SC-8119	Plus Screw (M3-L8)	34	E-1-17
22006SC-7113	Hex. Socket Bolt (M3*L8)	25	C-5-25
22006SC-7113	HEX. SOCKET BOLT (M3*L8)	43	F-3-22
22006SC-7113	Hex. Socket Bolt (M3*L8)	54	H-3-15
22006SC-7113	Hex. Socket Bolt (M3*L8)	61	H-7-35
22025SC-9134	Screw (M4*L10)	44	F-3-39
22025SC-9134	Screw (M4*L10)	90	N-1-22
22027EL-A001	Inverter	86	M-4-24
24029ET-A001	Main Power S/W	76	L-1-1
24031AF-B001	Motor Driver [SANYO : PY2A050AF]	37	E-3-16
24032ET-A001	Power Plug(3P)	76	L-1-7
25105ET-B001	Encoder Connector	23	C-3-9
27033SC-7113	Hex,Socket Bolt (M5xL20)	36	E-2-14
27076SC-8119	Hex.Socket Bolt (M3*L12)	35	E-1-36

U. Index

Part No.	Part Name	Page	Ref.No
32046SP-T121	HOLDER FOR OIL HOSE	24	C-4-8
AS-000440-00	Tension Adjusting Set	47	G-1-10
AS-000441-00	SUB TENSION ADJUSTING SET	47	G-1-5
AS-000449-00	Lamp Ass,Y	90	N-1-9
AS-000451-00	Lamp Ass,Y	90	N-1-10
AS-000483-00	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-01	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-02	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-03	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-04	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-05	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-06	THREAD GUIDE (M) SET	41	F-2-4
AS-000483-07	THREAD GUIDE (M) SET	41	F-2-4
AS-000556-00	SUB TENSION ADJUSTING SET(NEW)	71	J-2-14
AS-000557-00	SUB TENSION ADJUSTING SET	71	J-2-17
AS-000863-00	Color Change Box 6C Assy	44	F-3-40
AS-000863-01	Color Change Box 6C Assy	44	F-3-40
AS-000863-02	Color Change Box 6C Assy	44	F-3-40
AS-000863-03	Color Change Box 6C Assy	44	F-3-40
AS-000863-04	Color Change Box 6C Assy	44	F-3-40
AS-000867-00	Color Change Box Cover Assy	45	F-4-28
AS-000867-01	Color Change Box Cover Assy	45	F-4-28
AS-000878-00	Y-Cam Roller Support Plate Assy	56	H-4-40
AS-001377-00	Color Change Cam Ass'Y	43	F-3-5
AS-001377-01	Color Change Cam Ass'Y	43	F-3-5
AS-001377-02	Color Change Cam Ass'Y	43	F-3-5
AS-001629-00	X-Cam Roller Support Plate Assy	52	H-1-40
AS-001629-00	X-Cam Roller Support Plate Assy	54	H-3-18
AS-003735-00	Bed Assy	12	A-2-21
AS-003735-01	Bed Assy	12	A-2-21
AS-003759-00	Roller Bracket Assy	58	H-5-34
AS-003951-00	Thread Control Device Ass'y	94	O-1-11
AS-004167-00	Jump Set	17	B-4-6
AS-004174-00	Needle Driving Cam Set	15	B-2-1
AS-004174-01	Needle Driving Cam Set	15	B-2-1
AS-004284-00	Transformer Ass'y(Set)	81	M-2-1
AS-004284-01	Transformer Ass'y(Set)	81	M-2-1
AS-004493-00	MAIN DRIVING PULLEY BOX Assy	35	E-1-41
AS-004809-00	Needle Bar Reciprocator Set	16	B-3-19
AS-004809-01	Needle Bar Reciprocator Set	16	B-3-19
AS-004809-02	Needle Bar Reciprocator Set	16	B-3-19
AS-005680-00	Thread Guide(L) Set	41	F-2-11
AS-006682-00	Spool Plate Assy	70	J-1-18
AS-006683-00	Angle Assy	71	J-2-19
AS-006731-00	Beam & Body	11	A-1-1
AS-006734-00	Head (6C) Assy	40	F-1-34
AS-006737-00	Frame Assy	101	Q-1-43
AS-006744-00	Stepping Floor Assy	117	S-3-27
AS-006751-00	Presser Foot Set	39	F-1-16
AS-006859-00	V-Roller Guide Assy	62	H-7-45

Part No.	Part Name	Page	Ref.No
AS-006942	Y-Clamp Assy	108	R1-3-48
AS-008142-00	Picker Assy	68	I-4-30
AS-008288-00	X-Motor Base	53	H-2-33
AS-008580-00	Bracket Fixed Plate Assy	52	H-1-39
AS-008634-00	MES MOUNTING BASE Assy	32	D-4-21
AS-008751-00	Y-Motor Base Assy	60	H-6-41
AS-008813-00	Bracket Fixed Plate Assy	56	H-4-39
AS-008954-00	Wiper Assy	66	I-2-22
AS-015239-00	Main V-RAIL Assy	58	H-5-35
BD-000168-00	SURGE PROTECTOR	76	L-1-8
BD-000168-00	Surge Protector	81	M-2-21
BD-000168-01	SURGE PROTECTOR	76	L-1-8
BD-000168-01	Surge Protector	82	M-2-21
BD-000168-02	SURGE PROTECTOR	76	L-1-8
BD-000168-02	Surge Protector	82	M-2-21
BD-000232-00	Thread Sensing Board	78	L-2-1
BD-000232-01	Thread Sensing Board	78	L-2-1
BD-000232-02	Thread Sensing Board	78	L-2-1
BD-000232-03	Thread Sensing Board	78	L-2-1
BD-000232-04	Thread Sensing Board	78	L-2-1
BD-000232-05	Thread Sensing Board	78	L-2-1
BD-000232-06	Thread Sensing Board	78	L-2-1
BD-000232-07	Thread Sensing Board	78	L-2-1
BD-000232-08	Thread Sensing Board	78	L-2-1
BD-000232-09	Thread Sensing Board	78	L-2-1
BD-000232-10	Thread Sensing Board	78	L-2-1
BD-000232-11	Thread Sensing Board	78	L-2-1
BD-000232-12	Thread Sensing Board	78	L-2-1
BD-000232-13	Thread Sensing Board	78	L-2-1
BD-000232-14	Thread Sensing Board	78	L-2-1
BD-000244-00	Trimming Driver(B)	83	M-3-13
BD-000244-00	Trimming Driver(A)	84	M-3-33
BD-000244-01	Trimming Driver(B)	83	M-3-13
BD-000244-01	Trimming Driver(A)	84	M-3-33
BD-000244-02	Trimming Driver(B)	84	M-3-13
BD-000244-02	Trimming Driver(A)	84	M-3-33
BD-000244-03	Trimming Driver(B)	84	M-3-13
BD-000244-03	Trimming Driver(A)	84	M-3-33
BD-000244-04	Trimming Driver(B)	84	M-3-13
BD-000244-04	Trimming Driver(A)	84	M-3-33
BD-000244-05	Trimming Driver(B)	84	M-3-13
BD-000244-05	Trimming Driver(A)	84	M-3-33
BD-000256-00	Shunt Board	76	L-1-26
BD-000256-01	Shunt Board	76	L-1-26
BD-000256-02	Shunt Board	76	L-1-26
BD-000256-03	Shunt Board	76	L-1-26
BD-000256-04	Shunt Board	76	L-1-26
BD-000256-05	Shunt Board	76	L-1-26
BD-000256-06	Shunt Board	76	L-1-26
BD-000256-07	Shunt Board	76	L-1-26
BD-000301-00	Joint Board(A)	83	M-3-3
BD-000301-00	Joint Board(B)	83	M-3-4
BD-000301-01	Joint Board(A)	83	M-3-3

Part No.	Part Name	Page	Ref.No
BD-000301-01	Joint Board(B)	83	M-3-4
BD-000301-02	Joint Board(A)	83	M-3-3
BD-000301-02	Joint Board(B)	83	M-3-4
BD-000301-03	Joint Board(A)	83	M-3-3
BD-000301-03	Joint Board(B)	83	M-3-4
BD-000301-04	Joint Board(A)	83	M-3-3
BD-000301-04	Joint Board(B)	83	M-3-4
BD-000301-05	Joint Board(A)	83	M-3-3
BD-000301-05	Joint Board(B)	83	M-3-4
BD-000301-06	Joint Board(A)	83	M-3-3
BD-000301-06	Joint Board(B)	83	M-3-4
BD-000301-07	Joint Board(A)	83	M-3-3
BD-000301-07	Joint Board(B)	83	M-3-4
BD-000301-08	Joint Board(A)	83	M-3-3
BD-000301-08	Joint Board(B)	83	M-3-4
BD-000301-09	Joint Board(A)	83	M-3-3
BD-000301-09	Joint Board(B)	83	M-3-4
BD-000301-10	Joint Board(A)	83	M-3-3
BD-000301-10	Joint Board(B)	83	M-3-4
BD-000304-00	MS Top Board	76	L-1-27
BD-000304-01	MS Top Board	76	L-1-27
BD-000323-00	SMPS Connect Board	80	M-1-6
BD-000346-00	C-KEY Board	87	M-5-7
BD-000346-01	C-KEY Board	87	M-5-7
BD-000346-02	C-KEY Board	87	M-5-7
BD-000346-03	C-KEY Board	87	M-5-7
BD-000346-04	C-KEY Board	87	M-5-7
BD-000347-00	F-KEY Board	87	M-5-2
BD-000347-01	F-KEY Board	87	M-5-2
BD-000347-02	F-KEY Board	87	M-5-2
BD-000347-03	F-KEY Board	87	M-5-2
BD-000347-04	F-KEY Board	87	M-5-2
BD-000364-00	IO Board	85	M-4-14
BD-000364-01	IO Board	85	M-4-14
BD-000364-02	IO Board	85	M-4-14
BD-000364-03	IO Board	85	M-4-14
BD-000364-04	IO Board	85	M-4-14
BD-000364-05	IO Board	85	M-4-14
BD-000364-07	IO Board	85	M-4-14
BD-000364-08	IO Board	86	M-4-14
BD-000364-09	IO Board	86	M-4-14
BD-000364-10	IO Board	86	M-4-14
BD-000364-11	IO Board	86	M-4-14
BD-000364-11	IO Board	86	M-4-14
BD-000365-00	Connect Board	81	M-2-4
BD-000365-01	Connect Board	81	M-2-4
BD-000426-00	CPU Board	85	M-4-7
BD-000426-01	CPU Board	85	M-4-7
BD-000426-02	CPU Board	85	M-4-7
BD-000426-03	CPU Board	85	M-4-7
BD-000426-04	CPU Board	85	M-4-7
BD-000426-05	CPU Board	85	M-4-7

U. Index

Part No.	Part Name	Page	Ref.No
BD-000426-06	CPU Board	85	M-4-7
BD-000426-07	CPU Board	85	M-4-7
BD-000426-08	CPU Board	85	M-4-7
BD-00396-00	Xy-Sensor Ass'Y (Tlp1204)	30	D-2-5
BD-00396-01	Xy-Sensor Ass'Y (Tlp1204)	30	D-2-5
BD-00396-02	Xy-Sensor Ass'Y (Tlp1204)	30	D-2-5
BE-000027-00	Top Shaft Drive Belt	37	E-3-19
BS-000105-00	Bearing Bushing	12	A-2-16
CA-000321-00	Bar Sensor Cable	91	N-2-27
CA-000322-00	Bar S/W To Joint Board Cable	91	N-2-28
CA-000328-00	Color Change Motor To Joint Board	45	F-4-27
CA-000328-01	Color Change Motor To Joint Board	45	F-4-27
CA-000334-00	STEP MOTOR DRIVE POWER	28	D-1-35
CA-000334-01	STEP MOTOR DRIVE POWER	28	D-1-35
CA-000334-02	STEP MOTOR DRIVE POWER	29	D-1-35
CA-000411-00	Needle Position To Joint B/D	45	F-4-23
CA-000411-01	Needle Position To Joint B/D	45	F-4-23
CA-000702-00	Main Power S/W Cable	77	L-1-29
CA-000702-01	Main Power S/W Cable	77	L-1-29
CA-000717-00	Upper Thread Hook Motor To Joint Board Cable	65	I-1-58
CA-000718-00	Wiper Sensor To Joint Board Cable	65	I-1-59
CA-000718-01	Wiper Sensor To Joint Board Cable	65	I-1-59
CA-000837-00	To C Key Board Cable	88	M-5-31
CA-000838-00	To I/O Board Cable	88	M-5-32
CA-000917-00	I/O S/W Connecting Connector	92	N-3-8
CA-000917-01	I/O S/W Connecting Connector	92	N-3-8
CA-000917-02	I/O S/W Connecting Connector	92	N-3-8
CA-000918-00	MS Top Board Cable	92	N-3-9
CA-000918-01	MS Top Board Cable	92	N-3-9
CO-27-01	CAM FROM RETURN SENSOR	30	D-2-10
DMPE2-000001	Y-Driving Motor [SFAM-1000-003]	59	H-6-1
DSC-BF004701	Screw M4*L10	74	K-2-8
EM-000267-00	Main Motor	37	E-3-1
EM-000267-00	Main Motor	37	E-3-1
EP-000015-00	24V SMPS	80	M-1-11
EP-000030-00	FAN	85	M-4-12
EP-000046-00	Transformer	81	M-2-1
EP-000046-01	Transformer	81	M-2-1
EP-000047-00	Noise Filter	81	M-2-2
EP-000048-00	Fan	81	M-2-17
EP-000049-00	Fuse Holder	81	M-2-12
EP-000050-00	External Concept	81	M-2-13
EP-000050-01	External Concept	81	M-2-13
EP-000067-00	SENSOR	35	E-1-35
EP-000067-00	Xy-Sensor Assy	51	H-1-7
EP-000067-00	Xy-Sensor (TL-W3MC1)	55	H-4-8
EP-000067-00	SENSOR	64	I-1-14
EP-000067-00	Sensor	91	N-2-23
EP-000078-00	Transformer A'ssy	94	O-1-6
EP-000079-00	On / Off Switch	95	O-2-3

Part No.	Part Name	Page	Ref.No
EP-000080-00	Push Switch (Start)	95	O-2-8
EP-000081-00	Push Switch (Stop)	95	O-2-9
EP-000082-00	Switch (Select)	95	O-2-5
EP-000083-00	VR	95	O-2-7
EP-000095-00	PCB (DW-BW01)	94	O-1-8
EP-000124-00	Y-Driver	84	M-3-18
EP-000124-00	X-Driver	84	M-3-19
EP-000124-00	Main Driver	84	M-3-20
G(-003970-00	X Axis Frame	51	H-1-1
GP-003388-00	Mes Driving Shaft "D" (L=1371)	29	D-1-40
GP-003388-00	Mes Driving Shaft "D" (L=1371)	65	I-1-47
GP-003620-00	Oil Tank Cover	23	C-3-10
GP-003620-01	Oil Tank Cover	23	C-3-10
GP-003620-02	Oil Tank Cover	23	C-3-10
GP-003620-03	Oil Tank Cover	23	C-3-10
GP-004633-00	COLOR CHANGE SHAFT "B" (L1938.5)	43	F-3-28
GP-004634-00	COLOR CHANGE SHAFT "C" (L=1192)	43	F-3-28
GP-004635-00	COLOR CHANGE SHAFT "D" (L=1889.5)	43	F-3-28
GP-005179-00	THREAD BREAKAGE DETECT WHEEL	48	G-2-4
GP-005180-00	UPPER THREAD HOOK SENSOR BASE	64	I-1-12
GP-005184-01	SENSOR SENSING ADJUSTING RING	64	I-1-8
GP-005242-00	Half Turn Gear	44	F-3-35
GP-005242-01	Half Turn Gear	44	F-3-35
GP-005248-00	Half Turn Film	45	F-4-4
GP-005248-01	Half Turn Film	45	F-4-4
GP-005822-00	Mes Driving Box Cover	30	D-2-8
GP-006299-00	ADJUSTING BLOCK FOR BEARING	61	H-7-28
GP-006540-00	Y-Coupling Cover	74	K-2-13
GP-006642-00	Main Motor Bracket	37	E-3-6
GP-006655-00	Top Shaft "A" [225mm]	34	E-1-27
GP-006914-00	Roller Bracket	57	H-5-8
GP-006914-01	Roller Bracket	57	H-5-8
GP-006914-02	Roller Bracket	57	H-5-8
GP-006917-00	Guide Roller	57	H-5-13
GP-006917-01	Guide Roller	57	H-5-13
GP-006918-00	Guide Roller Bushing	57	H-5-14
GP-006918-01	Guide Roller Bushing	57	H-5-14
GP-007216-00	Needle Bar Return Spring	39	F-1-6
GP-007216-01	Needle Bar Return Spring	39	F-1-6
GP-007325-00	Arm Guard Plate (R)	22	C-2-2
GP-007472-00	Digital SMPS	80	M-1-3
GP-008035-00	Sensor Bracket (X,Y)	51	H-1-9
GP-008035-00	Perception Sensor Bracket X,Y	55	H-4-10
GP-008035-01	Sensor Bracket (X,Y)	51	H-1-9
GP-008035-01	Perception Sensor Bracket X,Y	55	H-4-10
GP-008534-00	Stud Bolt	45	F-4-18
GP-008536-00	Encoder Base	23	C-3-5
GP-008782-01	Stepping Floor	117	S-3-25
GP-008997-00	Needle Plate	68	I-4-23
GP-009003-00	Lamp Socket Fixed Plate	90	N-1-12
GP-009431-00	Side Cover	81	M-2-16
GP-009431-01	Side Cover	81	M-2-16
GP-009433-00	Fixing Bracket for Trimming Driver	83	M-3-11

Part No.	Part Name	Page	Ref.No
GP-009434-00	Fixing Bracket for Drive	84	M-3-21
GP-009435-00	SMPS Bracket(B)	80	M-1-12
GP-009435-01	SMPS Bracket(B)	80	M-1-12
GP-009441-00	Rear Cover	84	M-3-25
GP-009442-00	Fixing Bracket for Joint Board	83	M-3-5
GP-009442-01	Fixing Bracket for Joint Board	83	M-3-5
GP-009442-02	Fixing Bracket for Joint Board	83	M-3-5
GP-009445-00	Driver Fixing Plate	83	M-3-1
GP-009445-01	Driver Fixing Plate	83	M-3-1
GP-009448-00	Fixing Bracket for Core(A)	81	M-2-1
GP-009450-00	Fixing Bracket for Core(B)	81	M-2-1
GP-009451-00	Fixing Bracket for Connect Plate	81	M-2-1
GP-009453-00	Copper Plate for SMPS(A)	80	M-1-15
GP-009453-00	Copper Plate for SMPS(B)	81	M-2-1
GP-009454-00	Copper Plate for SMPS(B)	80	M-1-16
GP-009454-00	Copper Plate for SMPS(A)	81	M-2-1
GP-009455-00	Base Rubber	80	M-1-5
GP-009589-00	Oil Tank Ass'Y	24	C-4-1
GP-009590-00	Oil Tank Felt	24	C-4-2
GP-009831-00	Main Driver Sticker	84	M-3-32
GP-009832-00	X-Driver Sticker	84	M-3-30
GP-009833-00	Y-Driver Sticker	84	M-3-29
GP-009902-00	Emergency Switch Holder(A) [L=268]	76	L-1-15
GP-010149-00	Fixing Bracket for Core(D)	81	M-2-1
GP-010233-00	Bar S/W Support	91	N-2-15
GP-010262-00	Pulley Bracket Cover	36	E-2-16
GP-010263-00	Pulley Box Cover Stud	34	E-1-5
GP-010315-00	Y- Frame Support Plate	55	H-4-4
GP-010409-00	Screw Bush C	101	Q-1-38
GP-010609-00	Rotary Hook Support	31	D-3-1
GP-010656-00	Fixing Stud for SB DDC Radiator	86	M-4-22
GP-010736-00	Stud for SMPS Connect Board	80	M-1-7
GP-010763-00	Thread Guide (L) 6C	41	F-2-12
GP-010771-00	Thread Hook Spring (6C)	41	F-2-17
GP-011473-00	X-Motor Bracket	53	H-2-5
GP-011473-01	X-Motor Bracket	53	H-2-5
GP-011474-00	Y-Motor Bracket	59	H-6-11
GP-011474-01	Y-Motor Bracket	59	H-6-11
GP-011803-00	Table Support End Cap	73	K-1-9
GP-011913-00	Drive Lever "A" Set	14	B-1-14
GP-011914-00	Take-Up Driving Lever "B"	14	B-1-7
GP-011929-00	Needle Bar	39	F-1-5
GP-011932-00	Needle Bar Driving Cam	15	B-2-2
GP-011932-01	Needle Bar Driving Cam	15	B-2-2
GP-011933-00	Bearing Case	18	B-5-1
GP-011933-01	Bearing Case	18	B-5-1
GP-011938-00	Take-Up Lever Cam Base	15	B-2-5
GP-011938-01	Take-Up Lever Cam Base	15	B-2-5
GP-011945-00	Color Change Bracket "B"	42	F-2-33
GP-011946-00	Color Change Bracket	98	P-2-6
GP-012729-00	Radiator for Trimming Driver	83	M-3-9
GP-013117-00	Needle Bar Driving Shaft	16	B-3-13
GP-013196-00	Support Bracket	57	H-5-5

U. Index

Part No.	Part Name	Page	Ref.No
GP-013585-00	Side Cover "A"	17	B-4-3
GP-013585-01	Side Cover "A"	17	B-4-3
GP-013586-00	Jump Sol. Bracket	17	B-4-22
GP-013587-00	Needle Bar Driving Shaft Bush	16	B-3-30
GP-013587-01	Needle Bar Driving Shaft Bush	16	B-3-30
GP-013744-00	Control Box	80	M-1-2
GP-013744-01	Control Box	80	M-1-2
GP-013744-02	Control Box	80	M-1-2
GP-013747-00	Fixing Bracket for Core(C)	81	M-2-1
GP-013747-01	Fixing Bracket for Core(C)	81	M-2-1
GP-013748-00	Connect Plate	81	M-2-1
GP-013749-00	SMPS Bracket(A)	80	M-1-4
GP-013752-00	Jumping Sol. Base Plate	17	B-4-2
GP-013752-01	Jumping Sol. Base Plate	17	B-4-2
GP-013756-00	Needle Bar Reciprocator	16	B-3-20
GP-013758-00	Arm Guard Plate (L)	22	C-2-1
GP-013762-00	Needle Driving Shaft Driver	16	B-3-25
GP-013762-01	Needle Driving Shaft Driver	16	B-3-25
GP-013762-02	Needle Driving Shaft Driver	16	B-3-25
GP-013762-03	Needle Driving Shaft Driver	16	B-3-25
GP-014251-00	Regulatory Rod	91	N-2-5
GP-014253-00	Bar Switch Sensor Bracket	91	N-2-20
GP-014274-00	Pulley for Upper Shaft Ass'y	34	E-1-30
GP-014274-01	Pulley for Upper Shaft Ass'y	34	E-1-30
GP-014275-00	Pulley For Low Shaft	36	E-2-8
GP-014341-00	CPU Board Fixing Stud (M3XL27.5)	85	M-4-10
GP-014341-01	CPU Board Fixing Stud (M3XL27.5)	85	M-4-10
GP-014341-02	CPU Board Fixing Stud (M3XL27.5)	85	M-4-10
GP-014341-03	CPU Board Fixing Stud (M3XL27.5)	85	M-4-10
GP-014343-00	Fixing Bracket for OP	88	M-5-28
GP-014343-01	Fixing Bracket for OP	88	M-5-28
GP-014345-00	Base Plate	85	M-4-2
GP-014345-01	Base Plate	85	M-4-2
GP-014345-02	Base Plate	85	M-4-2
GP-014345-03	Base Plate	85	M-4-2
GP-014346-00	Rubber For Support Base	94	O-1-18
GP-014348-00	Front Cover	87	M-5-1
GP-014348-01	Front Cover	87	M-5-1
GP-014348-02	Front Cover	87	M-5-1
GP-014348-03	Front Cover	87	M-5-1
GP-014348-04	Front Cover	87	M-5-1
GP-014348-05	Front Cover	87	M-5-1
GP-014349-00	Rear Cover	87	M-5-14
GP-014349-01	Rear Cover	87	M-5-14
GP-014349-02	Rear Cover	87	M-5-14
GP-014349-03	Rear Cover	88	M-5-14
GP-014350-00	LCD Cover	86	M-4-30
GP-014350-01	LCD Cover	86	M-4-30
GP-014350-02	LCD Cover	86	M-4-30
GP-014350-03	LCD Cover	86	M-4-30
GP-014351-00	Connector Cover	88	M-5-16
GP-014354-00	Bobbin Shaft	94	O-1-15
GP-014354-01	Bobbin Shaft	94	O-1-15

ZPart No.	Part Name	Page	Ref.No
GP-014354-02	Bobbin Shaft	94	O-1-15
GP-014354-03	Bobbin Shaft	94	O-1-15
GP-014355-00	Connector Position Cover	88	M-5-19
GP-014355-00	Connector Position Cover	88	M-5-19
GP-014356-00	Button (Number Key)	87	M-5-8
GP-014356-01	Button (Number Key)	87	M-5-8
GP-014357-00	Button (DOWN,UP Key)	87	M-5-9
GP-014357-00	Button (DOWN,UP Key)	87	M-5-9
GP-014359-00	Button (F-Speed Key)	87	M-5-10
GP-014359-01	Button (F-Speed Key)	87	M-5-10
GP-014360-00	Button (START,STOP Key)	87	M-5-3
GP-014360-01	Button (START,STOP Key)	87	M-5-3
GP-014360-02	Button (START,STOP Key)	87	M-5-3
GP-014361-00	Insulation Bush(A)	85	M-4-8
GP-014361-00	Insulation Bush(A)	86	M-4-15
GP-014361-01	Insulation Bush(A)	85	M-4-8
GP-014361-01	Insulation Bush(A)	86	M-4-15
GP-014362-00	Insulation Bush(B)	85	M-4-9
GP-014362-00	Insulation Bush(B)	86	M-4-16
GP-014362-01	Insulation Bush(B)	85	M-4-9
GP-014362-01	Insulation Bush(B)	86	M-4-16
GP-014363-00	Spool Support Base	94	O-1-3
GP-014364-00	Insulation Pusher	87	M-5-13
GP-014365-00	Spool Support Base Sponge	94	O-1-4
GP-014366-00	Spool Post	94	O-1-2
GP-014368-00	Antenna Bar	95	O-2-11
GP-014369-00	Antenna Bar Hanger	95	O-2-10
GP-014370-00	Tension Control Holder	94	O-1-10
GP-014677-00	VR Knob	95	O-2-6
GP-014678-00	Fuse Holder	95	O-2-4
GP-014769-00	Head Face Plate (L)	41	F-2-6
GP-014769-01	Head Face Plate (L)	41	F-2-6
GP-014769-02	Head Face Plate (L)	41	F-2-6
GP-014769-03	Head Face Plate (L)	41	F-2-6
GP-014769-04	Head Face Plate (L)	41	F-2-6
GP-014869-00	Cover	95	O-2-1
GP-014869-01	Cover	95	O-2-1
GP-014870-00	Base	94	O-1-1
GP-014871-00	Motor Bracket	94	O-1-14
GP-014923-00	Needle Bar Guide Rail	42	F-2-31
GP-014928-00	Head Rail (6c)	39	F-1-30
GP-014928-01	Head Rail (6c)	40	F-1-30
GP-014931-00	Jump Sol. Cover	17	B-4-7
GP-014935-00	Head	39	F-1-1
GP-014935-01	Head	39	F-1-1
GP-014935-02	Head	39	F-1-1
GP-014935-03	Head	39	F-1-1
GP-014935-04	Head	39	F-1-1

Part No.	Part Name	Page	Ref.No
GP-014935-05	Head	39	F-1-1
GP-015067-00	Angle Bushing	87	M-5-5
GP-015067-01	Angle Bushing	87	M-5-5
GP-015068-00	Button (F Key)	87	M-5-4
GP-015068-01	Button (F Key)	87	M-5-4
GP-015068-02	Button (F Key)	87	M-5-4
GP-015069-00	Button (방향키)	87	M-5-11
GP-015264-00	Limit Sensor Base	30	D-2-1
GP-015264-01	Limit Sensor Base	30	D-2-1
GP-015265-00	Limit Sensor Plate	28	D-1-24
GP-015265-01	Limit Sensor Plate	28	D-1-24
GP-015700-00	Main Power S/W Bracket	76	L-1-2
GP-015779-00	Low Shaft "D" [1439mm]	36	E-2-15
GP-015970-00	Input voltage Sticker	81	M-2-6
GP-016274-00	Inside Sticker	84	M-3-31
GP-016274-01	Inside Sticker	84	M-3-31
GP-016348-00	Oil Supply Sensor Plate	36	E-2-1
GP-016639-00	Cover Plate 6C	49	G-3-1
GP-017156-00	Y-Coupling Cover	74	K-2-24
GP-017235-00	SB DDC Radiator	86	M-4-20
GP-017239-00	SB DDC Radiator Sheet (t=3)	86	M-4-21
GP-017239-01	SB DDC Radiator Sheet (t=3)	86	M-4-21
GP-017239-02	SB DDC Radiator Sheet (t=3)	86	M-4-21
GP-018538-00	Table Support "H" (L=390)	74	K-2-14
GP-018544-00	Table Support "E" (L=196.5)	74	K-2-15
GP-018557-00	Table Support "H" (L=501)	73	K-1-5
GP-019021-00	Insulation Bush(A)	86	M-4-32
GP-019022-00	Insulation Bush(B)	86	M-4-33
GP-020674-00	Side Cover "B"	17	B-4-4
GP-020674-01	Side Cover "B"	17	B-4-4
GP-020677-00	Color Change Box 6,9C	43	F-3-1
GP-020677-01	Color Change Box 6,9C	43	F-3-1
GP-020677-02	Color Change Box 6,9C	43	F-3-1
GP-020679-00	Upper Thread Hook Motor Cover	65	I-1-50
GP-020679-01	Upper Thread Hook Motor Cover	65	I-1-50
GP-020773-00	Stud for Driven Lever	107	R1-3-26
GP-020773-01	Stud for Driven Lever	107	R1-3-26
GP-020777-00	Y-Clamp Drive Link Bracket(B)	108	R1-3-34
GP-020777-01	Y-Clamp Drive Link Bracket(B)	108	R1-3-34
GP-020778-00	Y-Clamp Drive Link Bracket(R)	107	R1-3-29
GP-020778-01	Y-Clamp Drive Link Bracket(R)	107	R1-3-29
GP-020780-00	Y-Clamp Presser Plate A	107	R1-3-7
GP-020785-00	Y-Clamp Support Plate Rail	107	R1-3-8
GP-020786-00	Felt for Y-Clamp	107	R1-3-13
GP-020802-00	MAIN DRIVING PULLEY BOX	34	E-1-1
GP-020802-01	MAIN DRIVING PULLEY BOX	34	E-1-1
GP-020802-02	MAIN DRIVING PULLEY BOX	34	E-1-1
GP-020802-03	MAIN DRIVING PULLEY BOX	34	E-1-1
GP-020831-00	Arm Top Cover	21	C-1-5
GP-020831-01	Arm Top Cover	21	C-1-5
GP-020913-00	Needle Bar Drive Lever	16	B-3-1
GP-020913-01	Needle Bar Drive Lever	16	B-3-1
GP-020915-00	Presser Foot Pressure Spring	39	F-1-15

U. Index

Part No.	Part Name	Page	Ref.No
GP-020915-01	Presser Foot Pressure Spring	39	F-1-15
GP-020960-00	Take-Up Lever Driver Cam	15	B-2-6
GP-020960-01	Take-Up Lever Driver Cam	15	B-2-6
GP-020960-02	Take-Up Lever Driver Cam	15	B-2-6
GP-020960-03	Take-Up Lever Driver Cam	15	B-2-6
GP-021024-00	Motor Base Spacer	65	I-1-56
GP-021024-01	Motor Base Spacer	65	I-1-56
GP-021251-00	Top Shaft Drive Pulley	34	E-1-32
GP-021312-00	Spacer	65	I-1-57
GP-021312-01	Spacer	65	I-1-57
GP-021541-00	Frame Injured Prevent Bracket	61	H-7-16
GP-021542-00	Block For Surface Prevention	61	H-7-20
GP-021542-01	Block For Surface Prevention	61	H-7-20
GP-021698-00	Noise Filter Box	76	L-1-24
GP-021754-00	Driving Plate Block"C"	64	I-1-21
GP-022424-00	Spacer	66	I-2-21
GP-022424-01	Spacer	66	I-2-21
GP-022983-00	Top Shaft "C" [1919mm]	35	E-1-40
GP-023018-00	Table Support "E" (L=640)	74	K-2-16
GP-023595-00	Top Shaft "D"[1629.5mm]	35	E-1-40
GP-023618-00	X- LM Guide Cover A	74	K-2-26
GP-023618-01	X- LM Guide Cover A	74	K-2-26
GP-023892-00	Y-Clamp Presser Plate Rubber	108	R1-3-47
GP-023892-01	Y-Clamp Presser Plate Rubber	108	R1-3-47
GP-023893-00	Y-Clamp Support Robber "A"	107	R1-3-6
GP-023894-00	Y-Clamp Support Robber "B"	107	R1-3-10
GP-023895-00	Y-Clamp Drive Lever	107	R1-3-26
GP-023895-01	Y-Clamp Drive Lever	107	R1-3-26
GP-023896-00	Y-Clamp Presser Plate Holder(L)	108	R1-3-33
GP-023896-01	Y-Clamp Presser Plate Holder(L)	108	R1-3-33
GP-023897-00	Y-Clamp Presser Plate A	107	R1-3-3
GP-023898-00	Y-Clamp Presser Plate	107	R1-2-9
GP-023898-01	Y-Clamp Presser Plate	107	R1-2-9
GP-023899-00	Y-Clamp Support Plate	107	R1-3-4
GP-023899-00	Y-Clamp Support Plate	107	R1-3-4
GP-023900-00	Y-Clamp Support Plate Rail "A"	107	R1-3-2
GP-023901-00	Y-Clamp Support Plate Rail "B"	107	R1-3-9
GP-023901-01	Y-Clamp Support Plate Rail "B"	107	R1-3-9
GP-023902-00	Y-Clamp Cylinder Base (L)	107	R1-3-14
GP-023902-01	Y-Clamp Cylinder Base (L)	107	R1-3-14
GP-023903-00	Y-Clamp Cylinder Base (R)	108	R1-3-35
GP-023903-01	Y-Clamp Cylinder Base (R)	108	R1-3-35
GP-025628-00	Hook Shaft Gear	12	A-2-12
GP-025629-00	Low Shaft Gear	12	A-2-14
GP-026495-00	Front Cover	80	M-1-18
GP-027472-00	TABLE CONNECTING PLATE "C"	73	K-1-13
GP-028492-00	X-Motor Coupling Cover	74	K-2-23
GP-029362-00	Spool Plate A	70	J-1-1
GP-029363-00	Angle "A"	71	J-2-1
GP-029363-01	Angle "A"	71	J-2-1
GP-029373-00	Mes Driving Shaft "A" (L=1852)	29	D-1-37
GP-029373-00	Mes Driving Shaft "A" (L=1852)	65	I-1-44
GP-029411-00	Cable Cover (A)	90	N-1-1

Part No.	Part Name	Page	Ref.No
GP-029411-01	Cable Cover (A)	90	N-1-1
GP-029412-00	Cable Cover (B)	90	N-1-2
GP-029412-01	Cable Cover (B)	90	N-1-2
GP-029413-00	Cable Cover (C)	90	N-1-3
GP-029413-01	Cable Cover (C)	90	N-1-3
GP-029521-00	Eyelet "A"	41	F-2-2
GP-029521-00	Eyelet "A"	41	F-2-18
GP-029851-00	Table "A"	74	K-2-1
GP-029851-01	Table "A"	74	K-2-1
GP-029852-00	Table "B"	74	K-2-2
GP-029854-00	Table "C"	74	K-2-3
GP-029855-00	Table "D"	74	K-2-4
GP-029856-00	Table "E"	74	K-2-5
GP-029857-00	Table "F"	74	K-2-6
GP-029858-00	Table "G"	74	K-2-7
GP-029858-01	Table "G"	74	K-2-7
GP-029859-00	Table Support "A" (L=1834)	73	K-1-1
GP-029859-01	Table Support "A" (L=1834)	73	K-1-1
GP-029859-02	Table Support "A" (L=1834)	73	K-1-1
GP-029860-00	Table Support "B" (L=1649.5)	73	K-1-2
GP-029860-01	Table Support "B" (L=1649.5)	73	K-1-2
GP-029860-02	Table Support "B" (L=1649.5)	73	K-1-2
GP-029861-00	Table Connecting Cover	74	K-2-10
GP-029861-01	Table Connecting Cover	74	K-2-10
GP-029862-00	X-LM Guide Cover "C"	74	K-2-25
GP-029862-01	X-LM Guide Cover "C"	74	K-2-25
GP-029863-00	Arm	19	B-6-1
GP-029864-00	Presser Foot	39	F-1-17
GP-029865-00	X Moving Plate	54	H-3-11
GP-029865-00	X-Asix Feed Plate	102	Q-2-23
GP-029866-00	Rear Sash "A"	100	Q-1-1
GP-029866-01	Rear Sash "A"	100	Q-1-1
GP-029867-00	Rear Sash	100	Q-1-3
GP-029867-01	Rear Sash	100	Q-1-3
GP-029870-00	X-Axis Moving Sash (L=1449)	102	Q-2-18
GP-029871-00	Top Shaft "B" [2042.5mm]	35	E-1-40
GP-029873-00	Low Shaft "E" [1843mm]	36	E-2-15
GP-029899-00	Membrane Switch	45	F-4-14
GP-029900-00	Cable Cover (D)	90	N-1-4
GP-029900-01	Cable Cover (D)	90	N-1-4
GP-029901-00	Fabric Presser Bracket	18	B-5-11
GP-029907-00	X- Clamp Support "A"	100	Q-1-32
GP-029907-00	X- Clamp Support "B"	100	Q-1-33
GP-029919-00	Fabric Guide L=4062	116	S-2-1
GP-029932-00	Fabric Guide Bracket(R)	116	S-2-6
GP-029932-01	Fabric Guide Bracket(R)	116	S-2-6
GP-029933-00	Fabric Guide Bracket(L)	116	S-2-5
GP-029933-01	Fabric Guide Bracket(L)	116	S-2-5
GP-029934-00	Roll Guide "A"	115	S-1-11
GP-029936-00	Roll Guide Pipe	117	S-3-14
GP-029937-00	Tension Control Guide "A"	115	S-1-23
GP-029938-00	Fabric Stand Support "A"	115	S-1-3
GP-029939-00	Fabric Stand Support "B"	115	S-1-7

Part No.	Part Name	Page	Ref.No
GP-029943-00	Fabric Guide "A" (L=1910)	115	S-1-26
GP-029943-01	Fabric Guide "A" (L=1910)	115	S-1-26
GP-030016-00	Bar Switch Box Cover(B)	91	N-2-25
GP-030017-00	Bar Switch Box (B)	91	N-2-1
GP-030018-00	Bar Switch Bracket	91	N-2-19
GP-030018-00	Bar Switch Bracket	110	R2-1-9
GP-030018-00	Bar Switch Barcket	112	R2-2-9
GP-030018-01	Bar Switch Bracket	91	N-2-19
GP-030018-01	Bar Switch Barcket	110	R2-1-9
GP-030018-01	Bar Switch Barcket	112	R2-2-9
GP-030033-00	X-Axis Guide Rail Plate	102	Q-2-24
GP-030034-00	Frame Guide Rail A	100	Q-1-17
GP-030035-00	Guide Rail Plate	100	Q-1-18
GP-030074-00	Y-Axis Bearing Block (Rear)	61	H-7-23
GP-030075-00	Y-Axis Bearing Block (F)	61	H-7-4
GP-030076-00	Joint Cover For Bearing Block	61	H-7-2
GP-030533-00	Timing Pulley Tension Base(N)	55	H-4-22
GP-030533-01	Timing Pulley Tension Base(N)	55	H-4-22
GP-031222-00	Y-Clamp Drive Link Bracket(R)	108	R1-3-31
GP-031864-00	Front Clamp Support Nut	110	R2-1-3
GP-031864-00	Front Clamp Support Nut	112	R2-2-3
GP-031865-00	Front Clamp Support Bracket R	110	R2-1-4
GP-031865-00	Front Clamp Support Bracket R	112	R2-2-4
GP-031866-00	Front Clamp Support Bracket L	110	R2-1-5
GP-031866-00	Front Clamp Support Bracket L	112	R2-2-5
GP-031868-00	Front Clamp Base (R)	110	R2-1-15
GP-032203-00	Fixed Bracket (F-A) for X-Clamp	104	R1-1-2
GP-032204-00	Fixed Bracket (F-B) for X-Clamp	104	R1-1-3
GP-032213-00	Fixed Bracket (R-B) for X-Clamp	106	R1-2-2
GP-032236-00	Fixed Bracket (R-D) for X-Clamp	106	R1-2-3
GP-032237-00	Moving Bracket (F) for X-Clamp	104	R1-1-10
GP-032238-00	Moving Bracket (R) for X-Clamp	106	R1-2-10
GP-032248-00	Table Support "B" (L=1164.5)	73	K-1-4
GP-032249-00	Table Support "J" (L=606)	73	K-1-3
GP-032557-00	Front Clamp Base (L)	110	R2-1-16
GP-032765-00	Lm Guide Block Set	21	C-1-1
GP-032786-00	Side Cover of Base R	104	R1-1-8
GP-032786-00	Side Cover of Base R	106	R1-2-8
GP-032786-01	Side Cover of Base R	104	R1-1-8
GP-032786-01	Side Cover of Base R	106	R1-2-8
GP-032787-00	Side Cover of Base L	104	R1-1-9
GP-032787-00	Side Cover of Base L	106	R1-2-9
GP-032787-01	Side Cover of Base L	104	R1-1-9
GP-032787-01	Side Cover of Base L	106	R1-2-9
GP-032789-00	Clamp Side Cover	111	R2-1-46
GP-032789-00	Clamp Side Cover	113	R2-2-46
GP-032789-01	Clamp Side Cover	111	R2-1-46
GP-032789-01	Clamp Side Cover	113	R2-2-46
GP-032794-00	F-S Air Cylinder Bracket	108	R1-3-36
GP-032799-00	Start Switch Box Rear Cover	92	N-3-5
GP-032800-00	Start Switch Box	92	N-3-1
GP-032905-00	Spacer for X-Clamp Presser Plate	104	R1-1-32
GP-032919-00	Air Hose Dia.6,Black	119	T-1-19

Part No.	Part Name	Page	Ref.No
GP-032920-00	Air Hose Dia.6,Blue	119	T-1-21
GP-032921-00	Air Hose Dia.6,Green	119	T-1-24
GP-032922-00	Air Hose Dia.6,Red	119	T-1-23
GP-032923-00	Air Hose Dia.6,White	119	T-1-20
GP-032924-00	Air Hose Dia.6,Yellow	119	T-1-22
GP-032926-00	X Clamp Cylinder B CQ2B12-YB-25D	104	R1-1-25
GP-032930-00	X Clamp Cylinder A CQ2B12-KR-25D	104	R1-1-24
GP-036541-00	X-Clamp Presser Plate F-A	104	R1-1-30
GP-036542-00	X-Clamp Presser Plate F-B	104	R1-1-31
GP-036543-00	X-Clamp Presser Plate R-A	106	R1-2-23
GP-036544-00	X-Clamp Presser Plate R-B	106	R1-2-24
GP-036545-00	X-Clamp Cylinder Base (F)	104	R1-1-1
GP-036545-01	X-Clamp Cylinder Base (F)	104	R1-1-1
GP-036546-00	X-Clamp Cylinder Base (R)	106	R1-2-1
GP-036546-01	X-Clamp Cylinder Base (R)	106	R1-2-1
GP-036699-00	Rear Clamp Presser	112	R2-2-13
GP-036700-00	Rubber for Front-Rear Clamp Presser Bar	112	R2-2-14
GP-036701-00	Rear Clamp Supporter	112	R2-2-1
GP-036701-01	Rear Clamp Supporter	112	R2-2-1
GP-036702-00	Front Clamp Presser	110	R2-1-13
GP-036703-00	Rubber for Front-Rear Clamp Presser Bar	110	R2-1-14
GP-036704-00	Front Clamp Supporter	110	R2-1-1
GP-036704-01	Front Clamp Supporter	110	R2-1-1
GP-037209-00	COUPLING @20	34	E-1-28
GP-037209-00	COUPLING @20	53	H-2-26
GP-037209-00	COUPLING @20	59	H-6-28
GP-037209-01	COUPLING @20	34	E-1-28
GP-037209-01	COUPLING @20	53	H-2-26
GP-037209-01	COUPLING @20	59	H-6-28
GP-037254-00	Cylinder Base Cover for X-Clamp	104	R1-1-12
GP-037254-00	Cylinder Base Cover for X-Clamp	106	R1-2-12
GP-037416-00	Fabric Guide Bush(A)	116	S-2-2
GP-038684-00	MES MOUNTING BASE	32	D-4-1
GP-050368-00	Oil Pump Set	26	C-6-1
GP-052861-00	Reflecting (2)	90	N-1-21
GP-052862-00	Reflecting (1)	90	N-1-20
LWP-BK0003-00	Return Spring Stopper	64	I-1-37
LWP-BK0003-01	Return Spring Stopper	64	I-1-37
ME-014603	Fabric Stand Mechanism	115	S-1-35
ME-014622-00	Roll-Up Stand Mechanism	117	S-3-26
MH-01	MAIN POWER PLUG TO NFB INPUT	76	L-1-6
MH-20	Half Turn Sensor Cable	45	F-4-26
MH-28	Plate Led S/W Board Cable	48	G-2-12
MH-30	Wheel Earth	49	G-3-5
MH-35-01	Sensor Board/Adjusting Plate Cable	48	G-2-11
MO-000029-00	Motor Ass'y	94	O-1-13
PMPE2-000001	X-Y Motor (P20B10100Dxs)	53	H-2-1
PN-000133-00	Roller Pin	57	H-5-15
PN-000232-00	Jump Clutch Pin	17	B-4-10
PN-000232-00	Jump Clutch Pin	17	B-4-10
PN-000270-00	Needle Bar Drive Pin	14	B-1-1
SC-000173-00	Set Screw (M5*L4)	94	O-1-16
SC-000392-00	FAN Fixing Screw (M4xL30)	85	M-4-13

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