

PARTS BOOK

MA-6

Notice

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

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

※소모성 부품은 자수 기계의 보증 기간과 상관 없음.

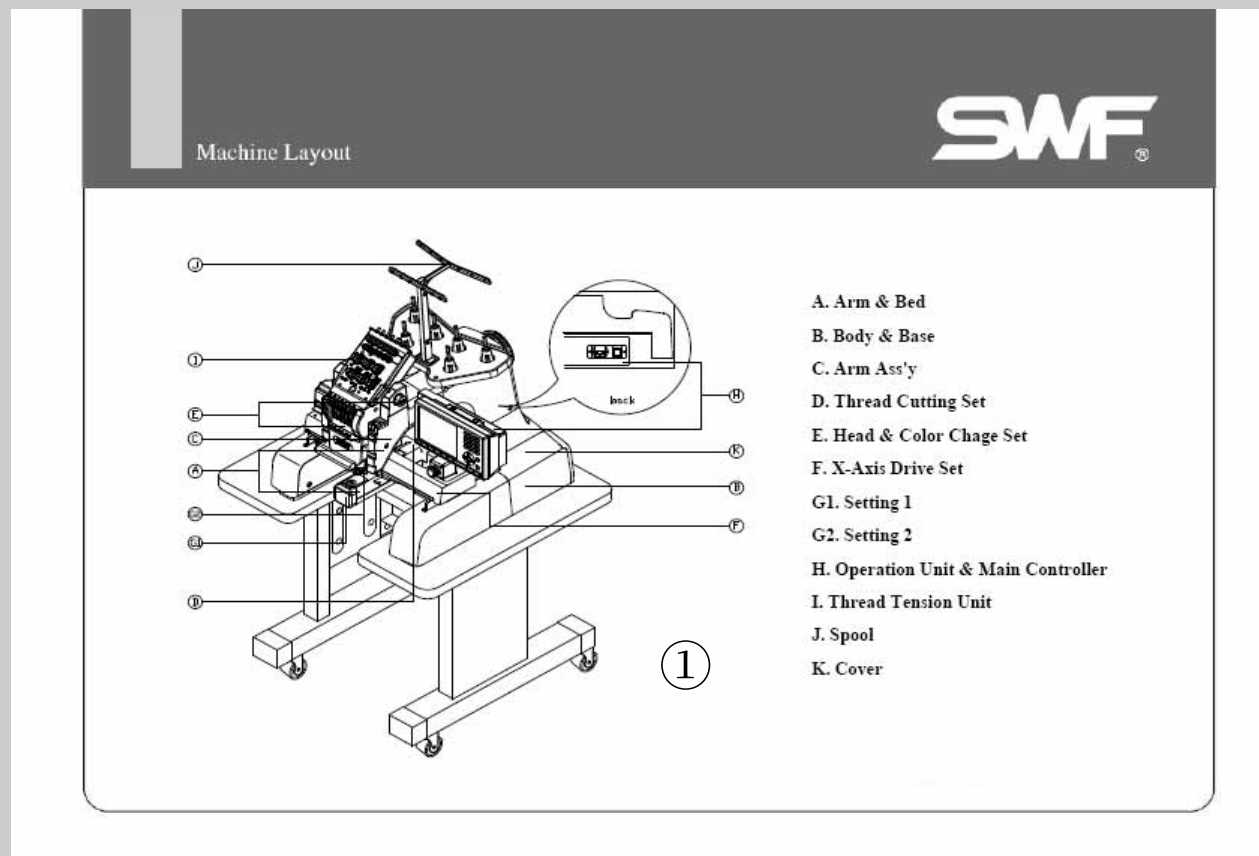
1. This is a parts book. It cannot be used as a manual.
2. The parts classified as ass'y items may cause damage to the machine or bad embroidery when they are separately assembled.
Hence, when they are ordered, they can be purchased as ass'y items only.
3. The Part Book is classified as below and users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

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

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

A. Structure of Part Book

1. Machine Layout

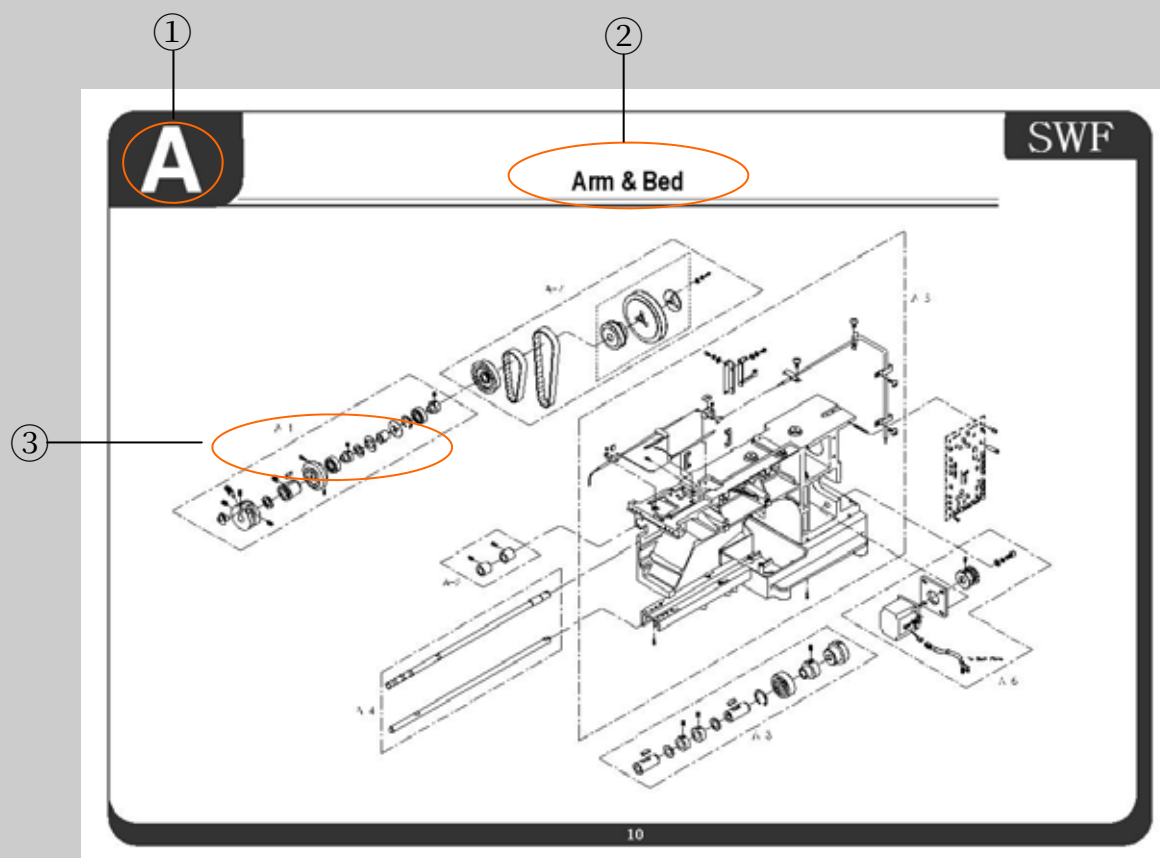


Information

A. Structure of Part Book

2. Section

- ① : Index Number
 - ② : Index Group
 - ③ : Related Parts
- Ex) A-1, A-2, A-3...



Information

A. Structure of Part Book

3. Part List

①

A-1

Note

③	④	⑤	⑥	⑦	⑧	⑨	⑩
Ref No	Part No	Part Name	Applied Period	Interchangeability	Hardware	Qty	Remark
A-1-1	0101SCM-T900	Twice-up Lever Driving Cam	Oct-08-07 ~ Oct-08-07			1	
A-1-2	0101SCM-T900	Twice-up Lever Driving Cam	Oct-08-07 ~	X		1	
A-1-3	0101SCM-T121	Cam Screw (8/32x28L=17)				1	
A-1-4	0101SCM-T121	Screw (1/8x28L=7.5)			O	1	
A-1-5	0101SCM-T121	Hex. Socket Set Screw (1/4" 3x40 L=4.5)				1	
A-1-6	0102BHR-A001	Washer				2	
A-1-7	0102BHR-A001	Washer				1	
A-1-8	0102BHR-T900	Needle Bar Crank				1	
A-1-9	0102BHR-T121	Upper Shaft Bushing (H)				1	
A-1-10	0102BHR-T121	Screw (1/8x28 L=14)			O	3	
A-1-11	0102BHR-T121	Felt				1	
A-1-12	0102BHR-T121	Presser Foot Driving Cam				1	
A-1-13	0401ZAP-A001	Screw (1/8x28)			O	3	
A-1-14	0102BHR-A001	Screw (M4xL20)			O	1	
A-1-15	0102BHR-A001	Washer (600422)				1	
A-1-16	0102BHR-A001	Washer Collar			O	2	
A-1-17	0401ZAP-A001	Screw (1/8x28)			O	3	
A-1-18	WS-0001BR-00	Washer				1	
A-1-19	CL-000097-00	Code Wheel				1	
A-1-20	CL-000097-00	Collar				1	
A-1-21	0101SCM-T900	Needle Plate				1	
A-1-22	0101SCM-T121	C-Ridge (H47)			O	1	
A-1-23	0101SCM-T121	Washer (600422)				1	

Note) * : Checks the timing of application.

① Index Number
Ex) A-1, A-2...

② Parts View

Information

A. Structure of Part Book

③ Ref. No

④ Part No

Ex)

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

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

⑥ Applied Period

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

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

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

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

Information

A. Structure of Part Book

⑦ Interchangeability

O : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 가능

: It is interchangeable between old and new part.

X : 구 부품을 신 부품으로 교환 불가능

신 부품을 구 부품으로 교환 불가능

: It is not interchangeable between old and new part.

△ : 구 부품을 신 부품으로 교환 가능

신 부품을 구 부품으로 교환 불가능

: It is interchangeable by new part only.

⑧ Hardware : 시중에서 구매 할 수 있는 부품

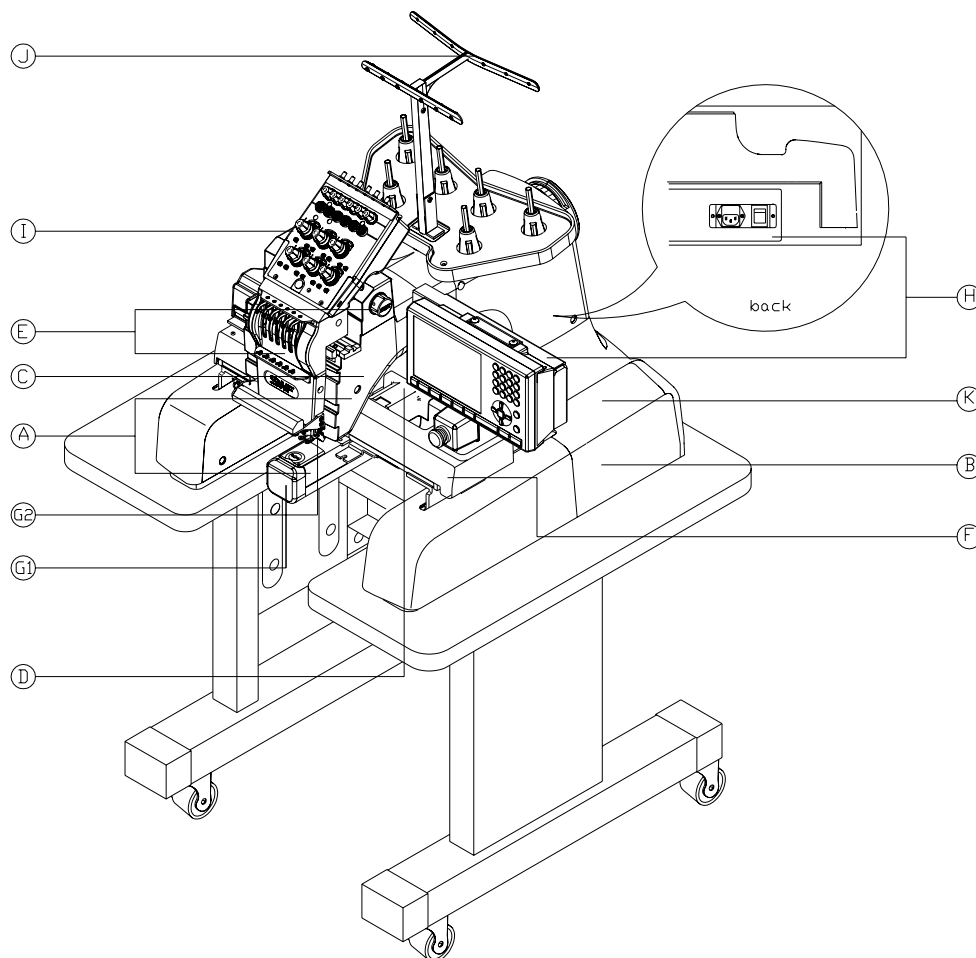
: Parts that can be purchased in the market

⑨ Q'ty : 사용 파트의 수량을 표기

: Quantity of part

⑩ Remark

⑪ Index Number



A. Arm & Bed

B. Body & Base

C. Arm Ass'y

D. Thread Cutting Set

E. Head & Color Chage Set

F. X-Axis Drive Set

G1. Setting 1

G2. Setting 2

H. Operation Unit & Main Controller

I. Thread Tension Unit

J. Spool

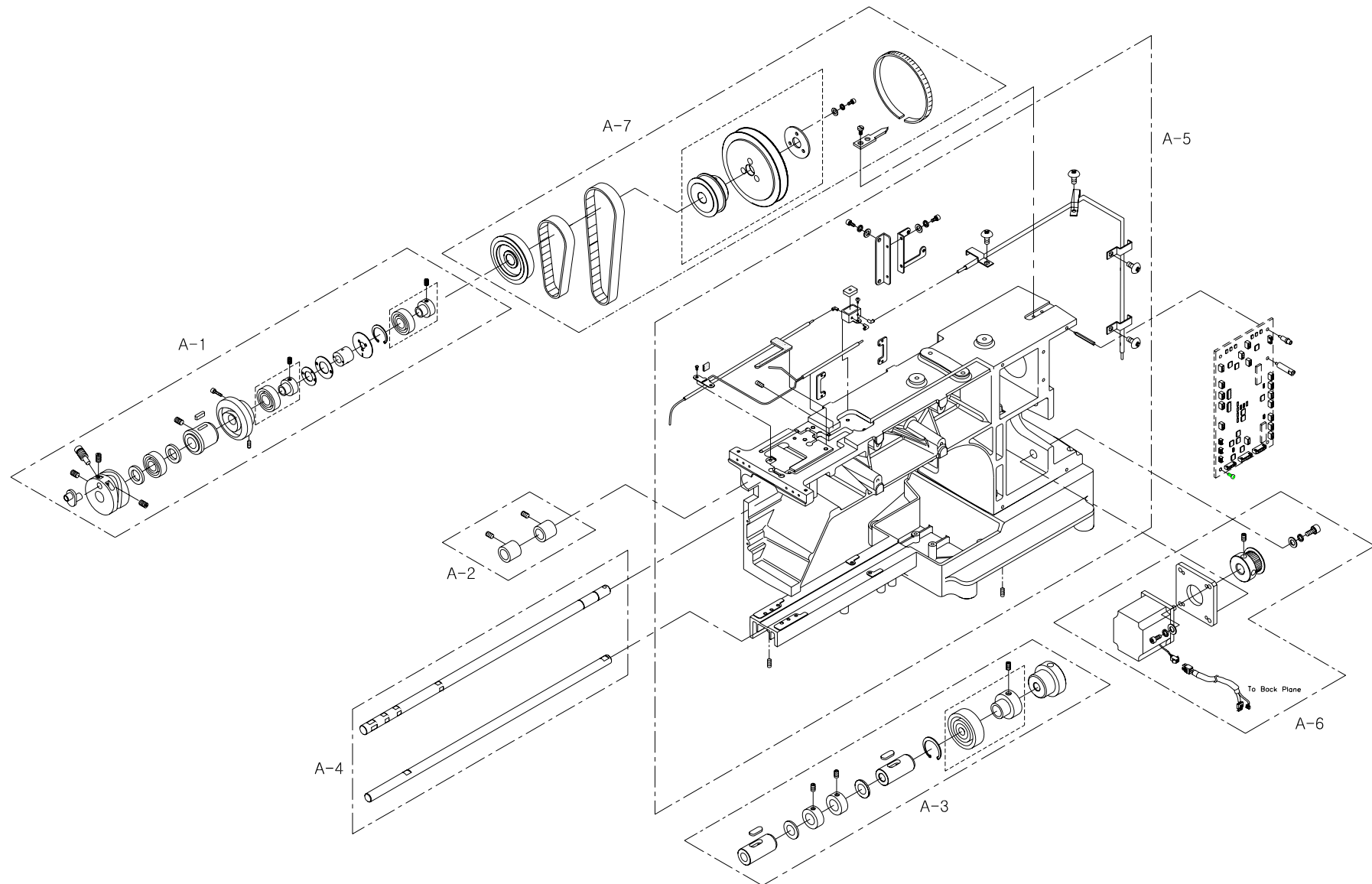
K. Cover



CONTENT

A	Arm & Bed	10
B	Body & Base	18
C	Arm Ass'y	23
D	Thread Cutting Set	28
E	Head & Color Change	31
F	X- Axis Drive Set	35
G1	Setting 1	40
G2	Setting 2	43
H	Operation Unit & Main Controller	46
I	Thread Tension Unit	52
J	Spool	55
K	Cover	58
L	Index	61

Arm & Bed



A-1

Note

A

A-2

This diagram illustrates the assembly of the A-2 component. It shows a main housing with a rectangular opening. Three sub-components are shown being inserted into this opening: A-2-1 (a cylindrical part with a flange), A-2-2 (a smaller cylindrical part), and A-2-3 (a small pin or screw). Dashed lines indicate the assembly path and the final position of the components within the housing. A separate component, possibly a lever or actuator, is shown at the bottom left, connected to the main assembly by a dashed line.

Note	
-------------	--

[illegible]

A-3

This exploded view diagram illustrates the assembly of the A-3 component, which consists of two parallel shafts. The top shaft is equipped with a pulley (A-3-1) at one end, followed by a series of bushings (A-3-2, A-3-3, A-3-4) and a pulley (A-3-5). The bottom shaft features a pulley (A-3-6) at one end, followed by a series of bushings (A-3-7, A-3-8, A-3-9) and a pulley (A-3-10). A final pulley (A-3-11) is shown at the end of the bottom shaft. The diagram uses dashed lines to indicate the relative positions and alignment of the components.

Note

[illegible]

A-4

This technical drawing shows an exploded view of a mechanical assembly. Two long shafts, labeled A-4-1 and A-4-2, are shown in an exploded state relative to a complex housing. Shaft A-4-1 is positioned above shaft A-4-2. The housing consists of several interconnected parts, some of which are shown with dashed lines to indicate their internal structure or assembly position. The shafts have various features, including what appear to be keyways and different diameters. The overall layout suggests a disassembly or assembly sequence for a mechanical component.

Note	
-------------	--

[illegible]

A-5

This diagram illustrates the exploded view of the A-5 assembly, showing the main structural components and their associated fasteners. The components are labeled as follows:

- Main Components:**
 - A-5-1: Base frame
 - A-5-2: Central support structure
 - A-5-3: Upper support bracket
 - A-5-4: Upper support bracket (alternative view)
 - A-5-5: Side support bracket
 - A-5-6: Side support bracket (alternative view)
 - A-5-7: Side support bracket (alternative view)
 - A-5-8: Side support bracket (alternative view)
 - A-5-9: Side support bracket (alternative view)
 - A-5-10: Side support bracket (alternative view)
 - A-5-11: Side support bracket (alternative view)
 - A-5-12: Side support bracket (alternative view)
 - A-5-13: Side support bracket (alternative view)
 - A-5-14: Side support bracket (alternative view)
 - A-5-15: Side support bracket (alternative view)
 - A-5-16: Side support bracket (alternative view)
 - A-5-17: Side support bracket (alternative view)
 - A-5-18: Side support bracket (alternative view)
 - A-5-19: Side support bracket (alternative view)
 - A-5-20: Side support bracket (alternative view)
 - A-5-21: Side support bracket (alternative view)
 - A-5-22: Side support bracket (alternative view)
 - A-5-23: Side support bracket (alternative view)
 - A-5-24: Side support bracket (alternative view)
 - A-5-25: Side support bracket (alternative view)
- Fasteners:**
 - A-5-1: Base frame
 - A-5-2: Central support structure
 - A-5-3: Upper support bracket
 - A-5-4: Upper support bracket (alternative view)
 - A-5-5: Side support bracket
 - A-5-6: Side support bracket (alternative view)
 - A-5-7: Side support bracket (alternative view)
 - A-5-8: Side support bracket (alternative view)
 - A-5-9: Side support bracket (alternative view)
 - A-5-10: Side support bracket (alternative view)
 - A-5-11: Side support bracket (alternative view)
 - A-5-12: Side support bracket (alternative view)
 - A-5-13: Side support bracket (alternative view)
 - A-5-14: Side support bracket (alternative view)
 - A-5-15: Side support bracket (alternative view)
 - A-5-16: Side support bracket (alternative view)
 - A-5-17: Side support bracket (alternative view)
 - A-5-18: Side support bracket (alternative view)
 - A-5-19: Side support bracket (alternative view)
 - A-5-20: Side support bracket (alternative view)
 - A-5-21: Side support bracket (alternative view)
 - A-5-22: Side support bracket (alternative view)
 - A-5-23: Side support bracket (alternative view)
 - A-5-24: Side support bracket (alternative view)
 - A-5-25: Side support bracket (alternative view)

Note	
------	--

A

A - 6

This exploded view diagram illustrates the assembly of the A-6 component. The main structure is shown in dashed lines. The assembly sequence is indicated by numbers 1 through 8:

- Component A-6-1 (a rectangular block) is shown at the bottom left.
- Component A-6-2 (a square plate with four mounting holes) is shown to the right of A-6-1.
- Component A-6-3 (a circular flange with a central hole) is shown to the right of A-6-2.
- Component A-6-4 (a small screw) is shown above A-6-3.
- Component A-6-5 (a small washer or spacer) is shown below A-6-4.
- Component A-6-6 (a larger washer or spacer) is shown below A-6-5.
- Component A-6-7 (a cable with a connector) is shown below A-6-1.
- Component A-6-8 (a small screw) is shown above A-6-3.

The diagram also shows a cable labeled "To Back Plane" connected to the bottom of the assembly.

Note	
-------------	--

A

A-7

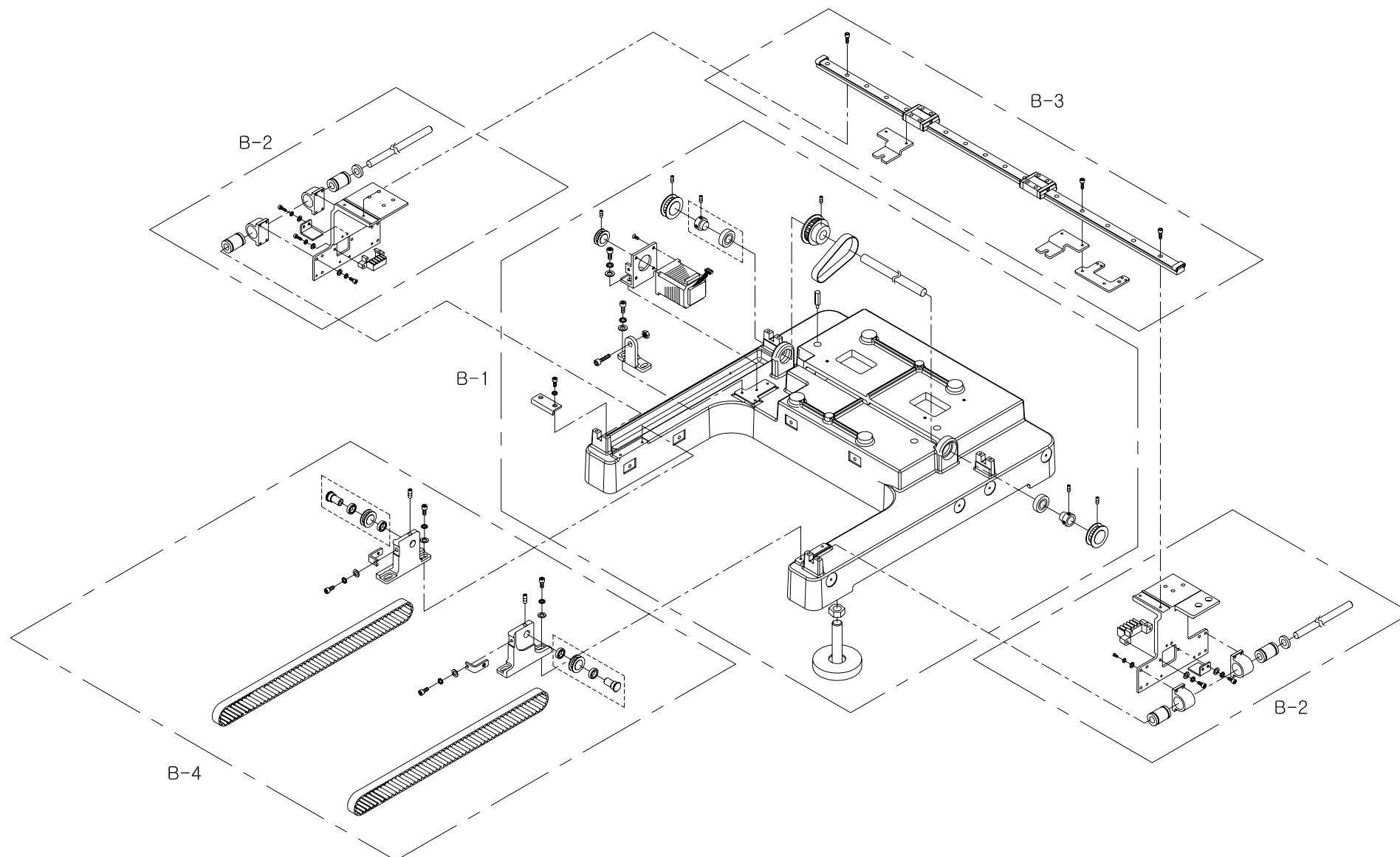
The diagram illustrates the assembly of the A-7 engine. The main assembly is shown in a dashed-line perspective view. Key components and their assembly sequence are indicated by callouts and arrows:

- A-7-1**: A circular component, likely a pulley or flywheel, is shown being attached to the main assembly.
- A-7-2**: A U-shaped component, possibly a bracket or support, is shown being attached to the main assembly.
- A-7-3**: A U-shaped component, similar to A-7-2, is shown being attached to the main assembly.
- A-7-4**: A circular component, likely a pulley or flywheel, is shown being attached to the main assembly.
- A-7-4-1**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-4-2**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-4-3**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-5**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-6**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-7**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-8**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-9**: A small circular component, possibly a washer or spacer, is shown being attached to the main assembly.
- A-7-10**: A circular component, likely a pulley or flywheel, is shown being attached to the main assembly.

Note

A

Body & Base



Note

[illegible]

This diagram illustrates the exploded view of a mechanical assembly, likely a hinge or bracket system. The components are labeled as follows:

- B-2-1**: A rectangular plate with four mounting holes.
- B-2-2**: A rectangular plate with four mounting holes, similar to B-2-1 but with different internal features.
- B-2-3**: A cylindrical component, possibly a pin or bush.
- B-2-4**: A cylindrical component with a flange.
- B-2-5**: A long, thin cylindrical rod or pin.
- B-2-6**: A small cylindrical component.
- B-2-7**: A small rectangular plate or washer.
- B-2-8**: A small cylindrical component.
- B-2-9**: A small cylindrical component.
- B-2-10**: A small cylindrical component.
- B-2-11**: A small cylindrical component.
- B-2-12**: A small rectangular plate or washer.

The diagram shows the assembly sequence and relative positions of these components. Dashed lines indicate the alignment and movement of parts during assembly. The components are arranged in a way that shows how they fit together to form the final assembly.

Note

[illegible]

B-3

The diagram illustrates the assembly of the B-3 component. It features a central long rail (B-3-1) with two sliding blocks. Component B-3-2 is a bracket that fits under the left block. Component B-3-3 is a bracket that fits under the right block. Component B-3-4 is a bracket that fits under the right block. Component B-3-5 is a screw that secures the brackets to the rail. The diagram shows the assembly of the left side and the right side separately, with dashed lines indicating the alignment of the components.

Note	
-------------	--

[illegible]

B-4

The diagram illustrates the assembly of the B-4 component, showing various parts and their assembly sequence. The components are labeled as follows:

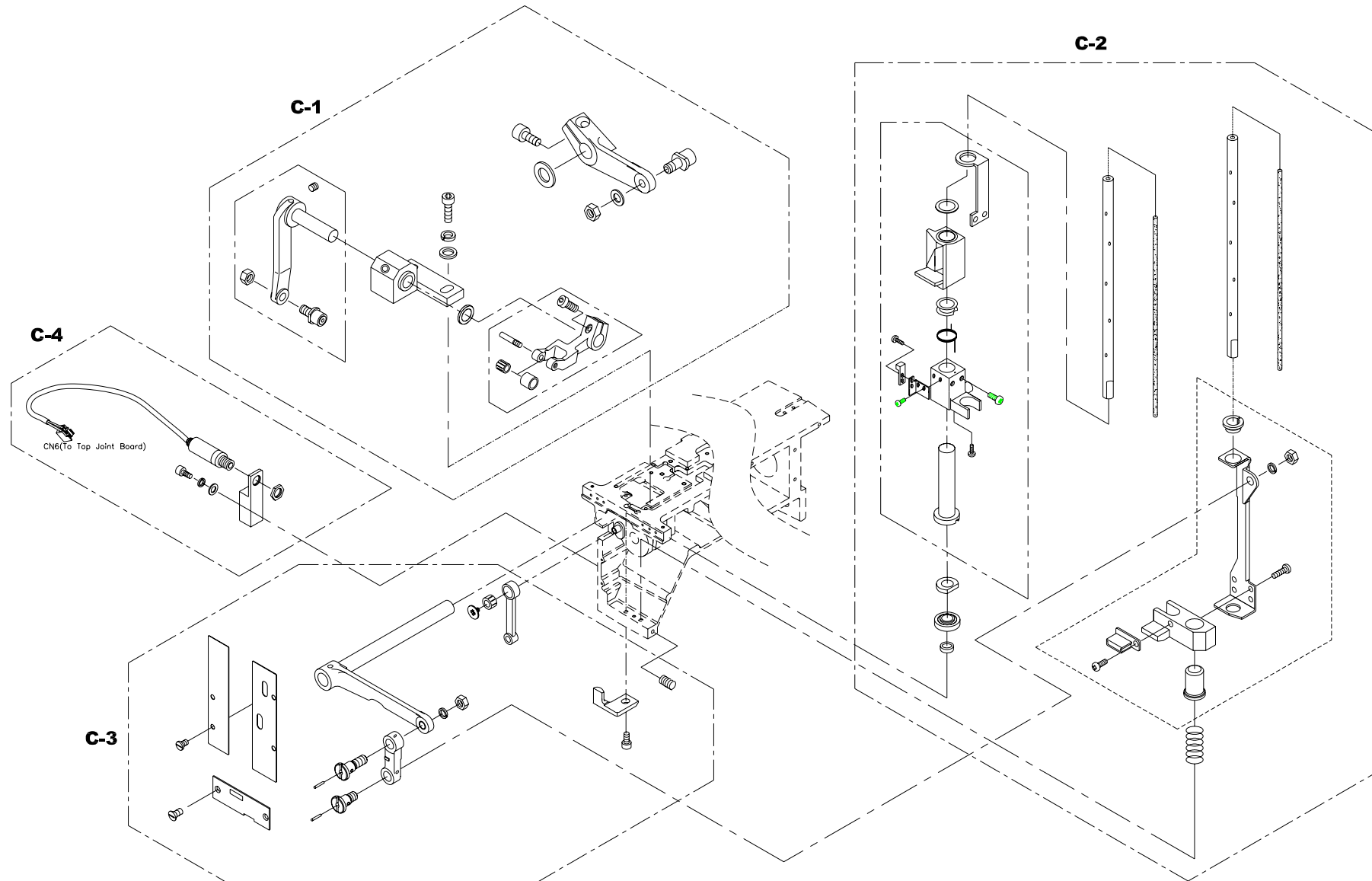
- B-4-1: Main vertical support structure.
- B-4-2: Horizontal support structure.
- B-4-3: Small cylindrical component.
- B-4-4: Small cylindrical component.
- B-4-5: Small cylindrical component.
- B-4-6: Small cylindrical component.
- B-4-7: Small cylindrical component.
- B-4-8: Small cylindrical component.
- B-4-9: Small cylindrical component.
- B-4-10: Small cylindrical component.
- B-4-11: Long, ribbed cylindrical component.

The assembly sequence is indicated by dashed lines and arrows, showing the order in which the components are assembled. The diagram shows the main vertical support (B-4-1) being assembled with the horizontal support (B-4-2) and the long, ribbed cylindrical component (B-4-11). The small cylindrical components (B-4-3 through B-4-10) are shown being assembled into the main structure.

Note



Arm Ass'y



C-1

The diagram illustrates the assembly of the C-1 component. It shows the following parts and their assembly sequence:

- C-1-1**: The main housing or base component.
- C-1-1-1**, **C-1-1-2**, **C-1-1-3**, **C-1-1-4**, and **C-1-1-5**: Sub-components that fit into the main housing.
- C-1-2**: A bracket or support piece that is attached to the main housing.
- C-1-3**, **C-1-4**, and **C-1-5**: A series of small components, possibly a spring or a pin, that are inserted into the bracket.
- C-1-6-1**, **C-1-6-2**, **C-1-6-3**, and **C-1-6-4**: A series of components that form a lever or arm, which is attached to the bracket.
- C-1-7**, **C-1-8**, **C-1-9**, **C-1-10**, and **C-1-11**: A series of components that form a linkage or actuator, which is attached to the lever.
- C-1-12**: A final component, possibly a pin or a screw, that completes the assembly.

The diagram uses dashed lines to indicate the assembly path and the relative positions of the components.

Note

C

C-2

Note

C

C-3

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

- C-3-1**: Main engine block/cylinder assembly.
- C-3-2**: Piston and connecting rod assembly.
- C-3-3**: Piston pin.
- C-3-4**: Piston pin clip.
- C-3-5**: Piston pin clip.
- C-3-6**: Piston pin clip.
- C-3-7**: Piston pin clip.
- C-3-8**: Piston pin clip.
- C-3-9**: Piston pin clip.
- C-3-10**: Piston pin clip.
- C-3-11**: Piston pin clip.
- C-3-12**: Piston pin clip.
- C-3-13**: Piston pin clip.
- C-3-14**: Piston pin clip.
- C-3-15**: Piston pin clip.
- C-3-16**: Piston pin clip.
- C-3-17**: Piston pin clip.

The diagram shows the main engine block (C-3-1) with various internal components like the piston and connecting rod (C-3-2) and various clips (C-3-3 to C-3-17) that hold the assembly together. The exploded view shows the relative positions of these parts for assembly.

Note

C

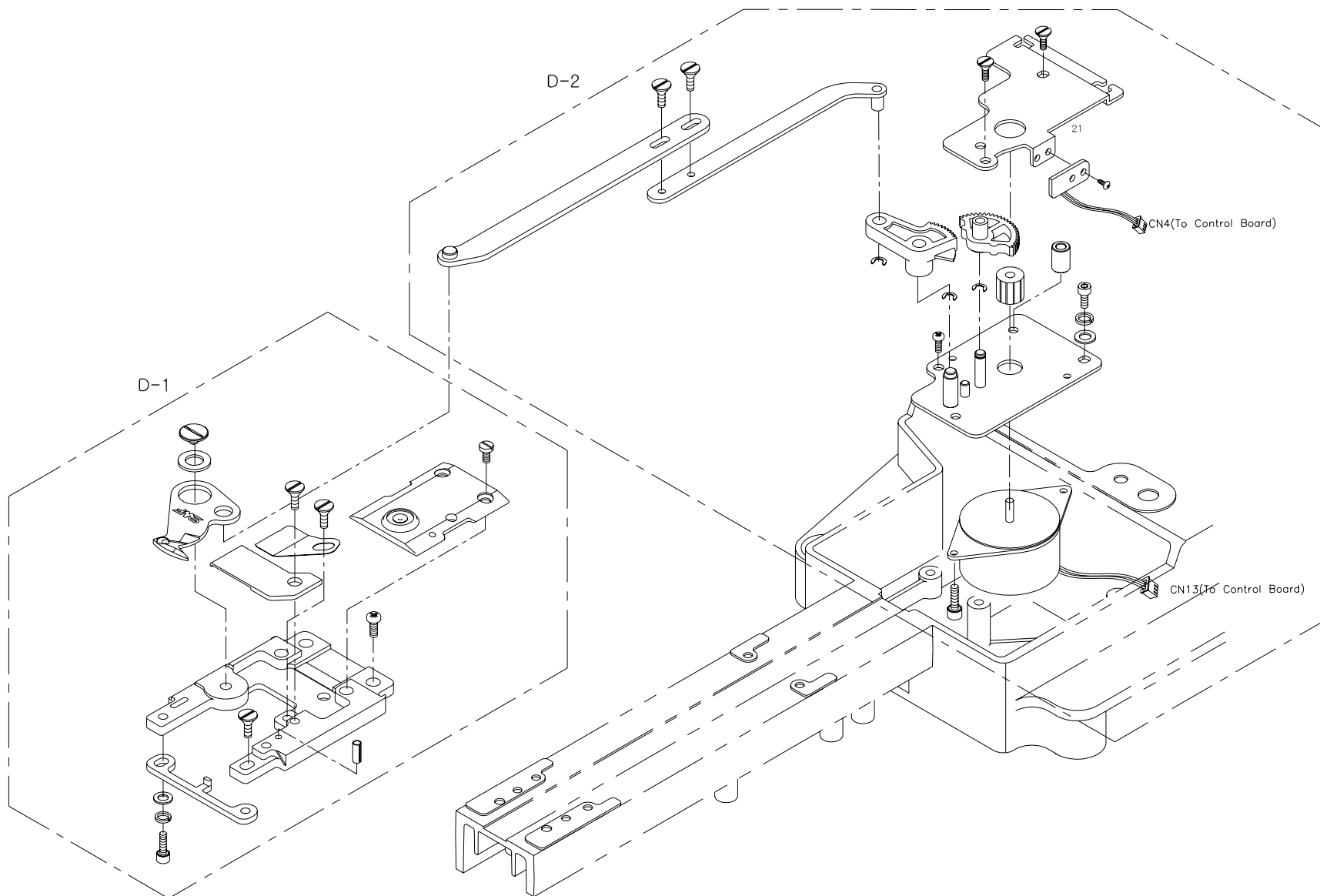
C-4

The diagram illustrates the assembly of the C-4 component. A cable, labeled "CN6(To Top Joint Board)", is connected to a cylindrical component labeled "C-4-1". This component is then attached to a bracket labeled "C-4-2". The bracket is secured with a screw labeled "C-4-3", a washer labeled "C-4-4", and a nut labeled "C-4-5". Finally, the bracket is mounted onto a larger, complex metal structure labeled "C-4-6".

Note	
-------------	--

[illegible]

Thread Cutting Set



D-1

This exploded view diagram illustrates the assembly of a mechanical component, likely a bracket or support. The components are numbered as follows:

- D-1-1**: The main base plate, a large L-shaped metal piece with multiple mounting holes.
- D-1-2**: A screw used to secure the base plate to a surface.
- D-1-3**: A small metal plate or gasket that fits into a slot on the base plate.
- D-1-4**: A washer or spacer ring.
- D-1-5**: A screw passing through the washer and into the base plate.
- D-1-6**: A rectangular metal plate that fits onto the base plate.
- D-1-7**: A screw passing through the rectangular plate into the base plate.
- D-1-8**: Two screws used to secure the rectangular plate to the base plate.
- D-1-9**: A screw used to secure a top plate to the rectangular plate.
- D-1-10**: A small pin or dowel used for alignment.
- D-1-11**: A screw passing through the bottom of the assembly into the base plate.
- D-1-12**: A washer or spacer ring for the bottom screw.
- D-1-13**: A washer or spacer ring for the bottom screw.

The diagram uses dashed lines to show the alignment and assembly sequence of the parts.

Note

D

D-2

This diagram illustrates the assembly of the D-2 component, showing the relationship between various parts and their assembly sequence. The parts are labeled as follows:

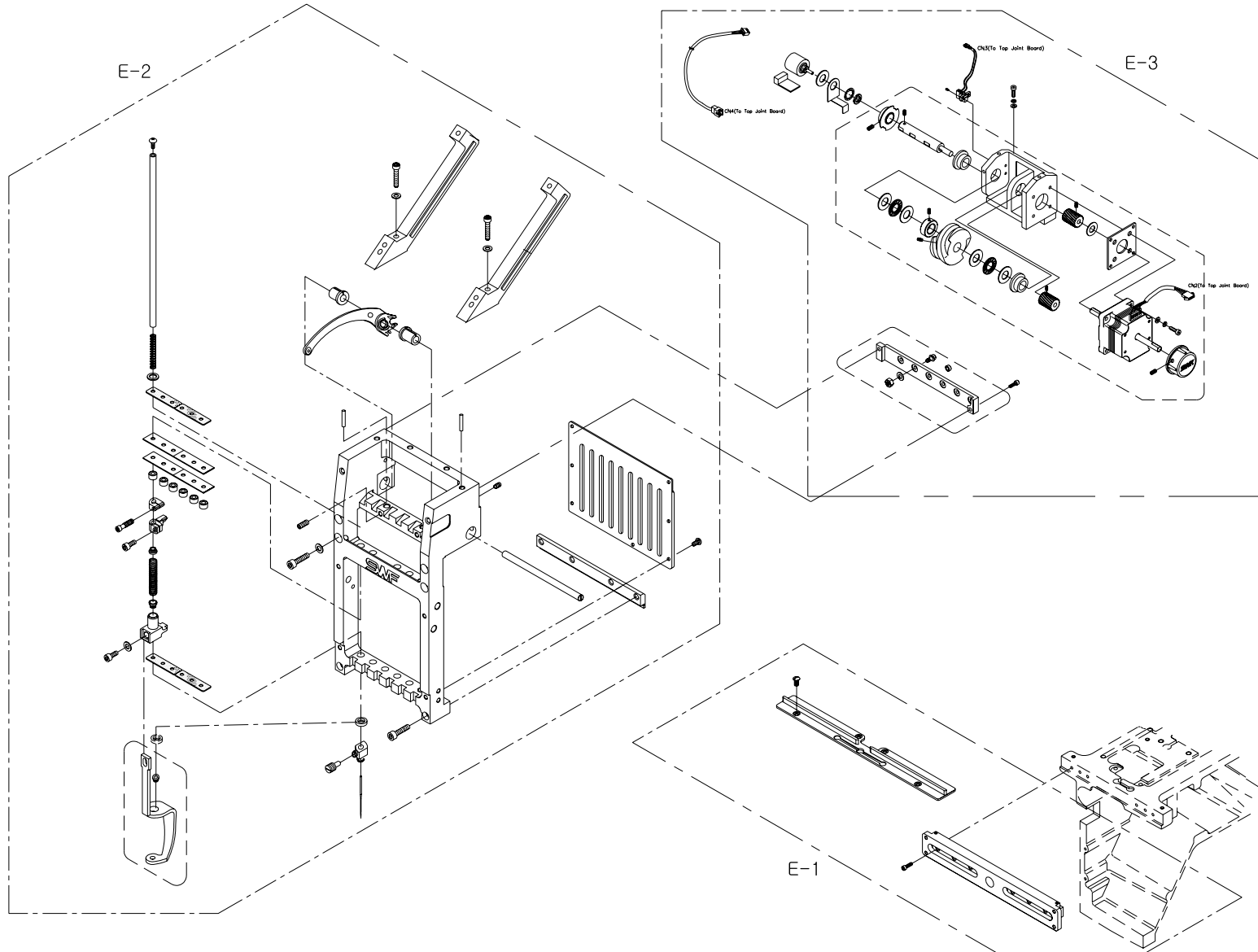
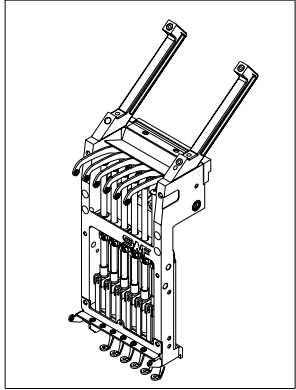
- D-2-6: Long horizontal bracket with a circular end.
- D-2-8: Two screws for the bracket.
- D-2-7: A curved bracket.
- D-2-2: A small circular component.
- D-2-9: Two small circular components.
- D-2-3: A small circular component.
- D-2-1: A small circular component.
- D-2-10: A small circular component.
- D-2-12: A small circular component.
- D-2-13: A small circular component.
- D-2-14: A small circular component.
- D-2-5: A small circular component.
- D-2-15: A small circular component.
- D-2-4: A small circular component.
- D-2-17: A small circular component.
- D-2-11: A small circular component.
- CH4 (To Control Board): A cable connection.
- CH13 (To Control Board): A cable connection.

The diagram shows the assembly of the D-2 component, including the bracket (D-2-6), the curved bracket (D-2-7), and the various small components (D-2-2, D-2-9, D-2-3, D-2-1, D-2-10, D-2-12, D-2-13, D-2-14, D-2-5, D-2-15, D-2-4, D-2-17, D-2-11). The assembly is shown in an exploded view, indicating the sequence of assembly. The components are connected to the control board via cables CH4 and CH13.

Note

D

Head & Color Change



E-1

This diagram illustrates the assembly of a mechanical component, likely a door or panel, onto a main housing. The components are labeled as follows:

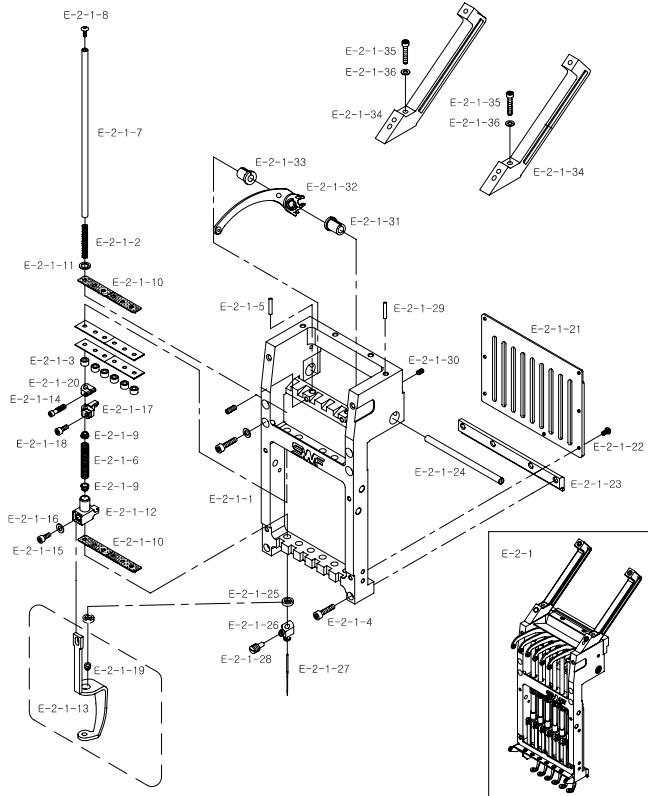
- E-1-1**: A long, narrow metal bracket or rail with multiple mounting holes.
- E-1-2**: A small screw or bolt used to secure component E-1-1.
- E-1-3**: A long, narrow metal bracket or rail, similar to E-1-1 but with a different internal profile.
- E-1-4**: A small screw or bolt used to secure component E-1-3.

The main housing is a complex, multi-faceted metal structure. Dashed lines indicate the alignment and placement of components E-1-1 and E-1-3 onto the housing. Component E-1-1 is shown being attached to the top edge of the housing, while component E-1-3 is shown being attached to the bottom edge. The screws E-1-2 and E-1-4 are shown being inserted into the mounting holes of the respective brackets.

Note	
------	--

[illegible]

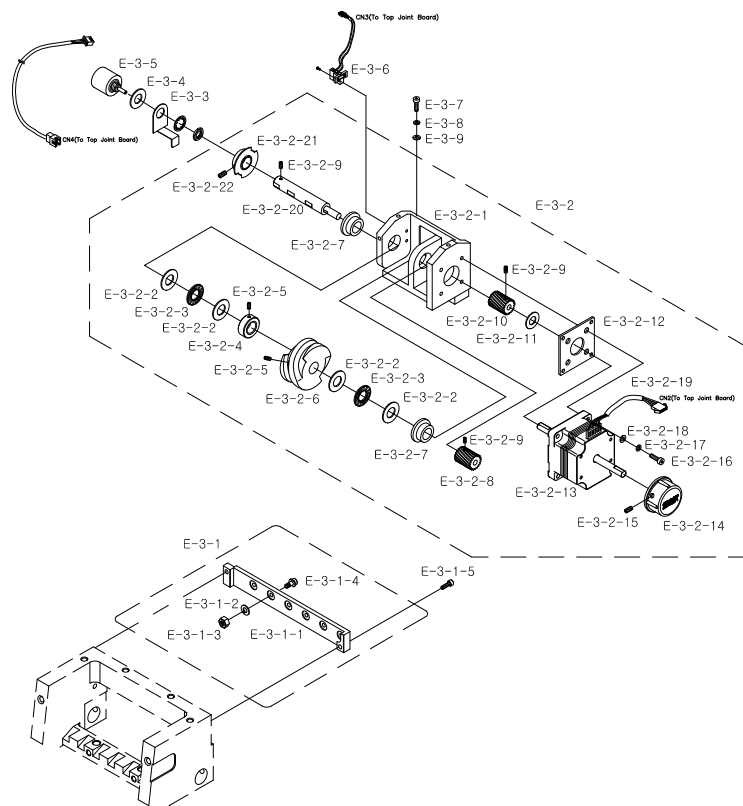
E-2



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
E-2-1	AS-004322-00	Head Set				1	
E-2-1-1	GP-015101-00	Head	Feb,09,06 ~			1	
	GP-015101-01		Mar,26,07 ~				
	GP-015101-02		Sep,17,08 ~				
	GP-015101-03		Nov,03,08 ~				
	GP-015101-04		Nov,02,09 ~				
E-2-1-2	05008AF-T121	Needle Bar Return Spring				6	
E-2-1-3	05011RB-T121	Needle Bar Cushion Rubber				6	
E-2-1-4	05014SC-7113	Screw (M4*L25)			O	2	
E-2-1-5	05015CW-A001	Head Base Pin(@5*L15)				2	
E-2-1-6	05017AF-T121	Presser Foot Pressure Spring				6	
E-2-1-7	05018CW-T902	Needle Bar				6	
E-2-1-8	05019SC-A001	Needle Bar Cover Screw (M5*L6)			O	6	
E-2-1-9	05021PM-H001	Presser Foot Spring Guide				12	
E-2-1-10	05021SF-A001	Felt				4	
E-2-1-11	05022SW-A001	Spring Shoe Washer				6	
E-2-1-12	05023PM-H001	Presser Foot Holder Set				6	
E-2-1-13	05024PR-T902	Presser Foot L=95				6	
E-2-1-14	05026SC-4113	Upper Dead Center Stopper Screw				6	
E-2-1-15	05026SC-H001	Presser Foot Holder Screw				6	
E-2-1-16	05027PR-H001	Presser Foot Holder Washer				6	
E-2-1-17	05027FU-T902	Needle Bar Holder				6	
E-2-1-18	05028SC-4113	Holder Screw				6	
E-2-1-19	05031AF-A001	Presser Foot Guide Bush				6	
E-2-1-20	11101200T000	Upper Dead Point Stopper				6	
E-2-1-21	05031PM-CT06	Needle Bar Guide Rail (6C)				1	
E-2-1-22	05041SC-A001	Guide Rail Serew (9/64",n=40)			O	7	
E-2-1-23	08201302T902	Head Rail (6C)				1	
E-2-1-24	08200602A000	Take-Up Lever Shaft (6C)				1	
E-2-1-25	05035RB-A001	Presser Foot Cushion Rubber"A				6	
E-2-1-26	AS-007679-00	Needle Fixed Holder				6	
E-2-1-27	05037DB-A001	Needle (DB-K5,#11)				6	
E-2-1-28	05363SC-A001	Needle Fixed Screw (A/S)				6	
E-2-1-29	11027CW-A001	Tension Plate Pin (@3.5*L10)			O	2	
E-2-1-30	07009SC-4517	Hex.Socket Set Screw (M5*L6)			O	2	
E-2-1-31	08200800A000	Take-Up Lever Shaft Bush (R)				1	
E-2-1-32	07005BM-B002	Take-Up Lever Set				6	
E-2-1-33	08203000A000	Take-Up Lever Shaft Bush (L)				1	
E-2-1-34	GP-004682-00	Tension Adjusting Plate Holder				2	
E-2-1-35	11029SC-7113	Serew(M4*L20)			O	2	
E-2-1-36	06003SW-2111	Washer (@4)			O	2	

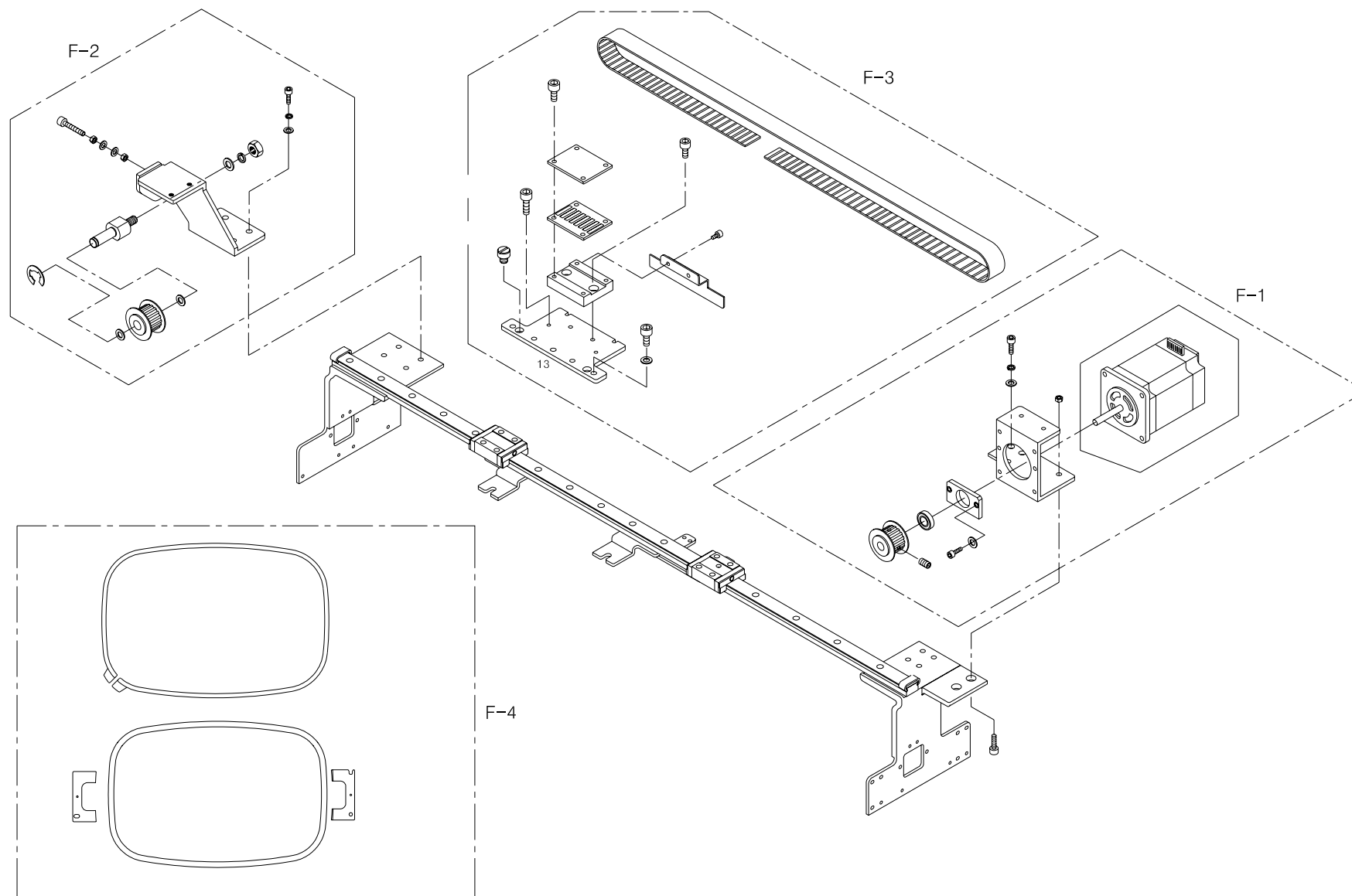
E - 3



Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
E-3-1	05000002U000	C/C Roller Base Set				1	
E-3-1-1	08103102C010	Color Change Roller Base				1	
E-3-1-2	18048SW-3115	Spring Washer (5@)			O	6	
E-3-1-3	18083SN-3211	Hex.Nut (M5)			O	6	
E-3-1-4	GP-037692-00	Color Change Roller				6	
E-3-1-5	08076SC-7113	Screw (M5*L12)			O	2	
E-3-2	AS-005420-00	Color Change Motor Set				1	
E-3-2-1	GP-016511-00	Color Change Base	Mar,21,06 ~	X		1	
	GP-016511-01		Jan,13,09 ~	△			
	GP-016511-02		Nov,13,09 ~	△			
E-3-2-2	13010BR-T121	Washer				4	
E-3-2-3	13041BR-UK01	Washer				2	
E-3-2-4	08101100T010	Color Change Collar				1	
E-3-2-5	04012AF-A001	Screw (15/64-N28)			O	4	
E-3-2-6	13005CM-UK06	Color Change Cam				1	
E-3-2-7	GP-006252-00	Color Change Bushing				2	
E-3-2-8	08104900T902	Color Change Gear				1	
E-3-2-9	08113SC-A001	Screw (11/64,N=40,L6)			O	5	
E-3-2-10	GP-016811-00	Color Change Gear (L)				1	
E-3-2-11	08102000T010	Color Change Motor Washer				2	
E-3-2-12	GP-017091-01	Color Change Motor Plate				1	
E-3-2-13	MO-000041-00	Color Change Motor				1	
E-3-2-14	GP-016809-00	Color Change Passivity Knob Ass'y				1	
E-3-2-15	03022SC-4517	Hex. Socket Set Screw(M4*L5)			O	2	
E-3-2-16	07016SC-7113	Hex.Socket Bolt (M4*L12)			O	4	
E-3-2-17	18014SW-3115	Spring Washer (@4)			O	4	
E-3-2-18	18015SW-3111	Washer (@4)			O	4	
E-3-2-19	CA-002344-00	Cable				1	
E-3-2-20	08100700T902	Color Change Shaft				1	
E-3-2-21	13032AD-UK06	Color Change Film Set			O	1	
E-3-2-22	04014SC-4517	Screw (M5*L5)			O	2	
E-3-3	13015PR-UK06	Potentiometer Bracket				1	
E-3-4	15014PR-T121	Potentiometer Washer				1	
E-3-5	15012MT-T902	Potentiometer (7824 R1K L25)				1	
E-3-6	08102300T902	Half Turn Sensor (Gp1S51V)				1	
E-3-7	03016SC-4113	Hex. Socket Bolt (M5*L15)			O	4	
E-3-8	18048SW-3115	Spring Washer (@5)			O	4	
E-3-9	16018SW-1111	Washer (@5)			O	4	

X-Axis Drive Set



F-1

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

- F-1-1**: The main rectangular housing, shown in a dashed box.
- F-1-2**: A mounting bracket that fits into the side of the main housing.
- F-1-3**: A small rectangular plate that fits into the front of the mounting bracket.
- F-1-4**: A small screw used to secure the plate (F-1-3) to the bracket (F-1-2).
- F-1-5**: A small pin or screw used to secure the plate (F-1-3) to the bracket (F-1-2).
- F-1-6**: A small circular component that fits into the front of the plate (F-1-3).
- F-1-7**: A larger circular component that fits into the front of the plate (F-1-3).
- F-1-8**: A small screw used to secure the larger circular component (F-1-7) to the plate (F-1-3).
- F-1-9**: A screw used to secure the mounting bracket (F-1-2) to the main housing (F-1-1).
- F-1-10**: A small pin or screw used to secure the mounting bracket (F-1-2) to the main housing (F-1-1).
- F-1-11**: A small pin or screw used to secure the mounting bracket (F-1-2) to the main housing (F-1-1).
- F-1-12**: A small pin or screw used to secure the mounting bracket (F-1-2) to the main housing (F-1-1).

The diagram shows the main housing (F-1-1) with a dashed box around it. The mounting bracket (F-1-2) is shown being attached to the side of the housing. The plate (F-1-3) is shown being attached to the front of the bracket. The circular components (F-1-6, F-1-7) and the screw (F-1-8) are shown being attached to the front of the plate. The screws (F-1-9, F-1-10, F-1-11, F-1-12) are shown being attached to the mounting bracket (F-1-2) to secure it to the main housing (F-1-1).

Note

F

F-2

The diagram illustrates the assembly of the F-2 component. The main assembly is shown in a perspective view, with various parts labeled with codes and arrows indicating their assembly sequence. The components include:

- F-2-1: The main base plate.
- F-2-2: A pulley or wheel component.
- F-2-3: A small circular component, possibly a washer or spacer.
- F-2-4: A long cylindrical component, likely a shaft or pin.
- F-2-5: A small circular component, possibly a washer or spacer.
- F-2-6: A small circular component, possibly a washer or spacer.
- F-2-7: A small circular component, possibly a washer or spacer.
- F-2-8: A small circular component, possibly a washer or spacer.
- F-2-9: A small circular component, possibly a washer or spacer.
- F-2-10: A small circular component, possibly a washer or spacer.
- F-2-11: A small circular component, possibly a washer or spacer.
- F-2-12: A small circular component, possibly a washer or spacer.
- F-2-13: A long cylindrical component, likely a shaft or pin.

The assembly sequence is indicated by the arrows and the labels. The main assembly is shown in a perspective view, with various parts labeled with codes and arrows indicating their assembly sequence. The components include:

- F-2-1: The main base plate.
- F-2-2: A pulley or wheel component.
- F-2-3: A small circular component, possibly a washer or spacer.
- F-2-4: A long cylindrical component, likely a shaft or pin.
- F-2-5: A small circular component, possibly a washer or spacer.
- F-2-6: A small circular component, possibly a washer or spacer.
- F-2-7: A small circular component, possibly a washer or spacer.
- F-2-8: A small circular component, possibly a washer or spacer.
- F-2-9: A small circular component, possibly a washer or spacer.
- F-2-10: A small circular component, possibly a washer or spacer.
- F-2-11: A small circular component, possibly a washer or spacer.
- F-2-12: A small circular component, possibly a washer or spacer.
- F-2-13: A long cylindrical component, likely a shaft or pin.

Note

F

F-3

This exploded view diagram illustrates the assembly of the F-3 component. The main assembly consists of a long, curved, ribbed metal strip (F-3-2) and a rectangular base plate (F-3-1). The base plate (F-3-1) is secured by a large screw (F-3-11) and a nut (F-3-12). A central rectangular plate (F-3-3) is mounted on the base plate using two screws (F-3-8). A smaller rectangular plate (F-3-5) is positioned above the central plate, secured by a screw (F-3-9). A ribbed metal strip (F-3-6) is attached to the central plate (F-3-3) using a screw (F-3-10). A long, curved, ribbed metal strip (F-3-2) is shown at the top of the diagram, which is the main component being assembled. A small screw (F-3-7) is shown near the central plate (F-3-3). A small metal plate (F-3-4) is shown near the central plate (F-3-3).

Note

F

F - 4

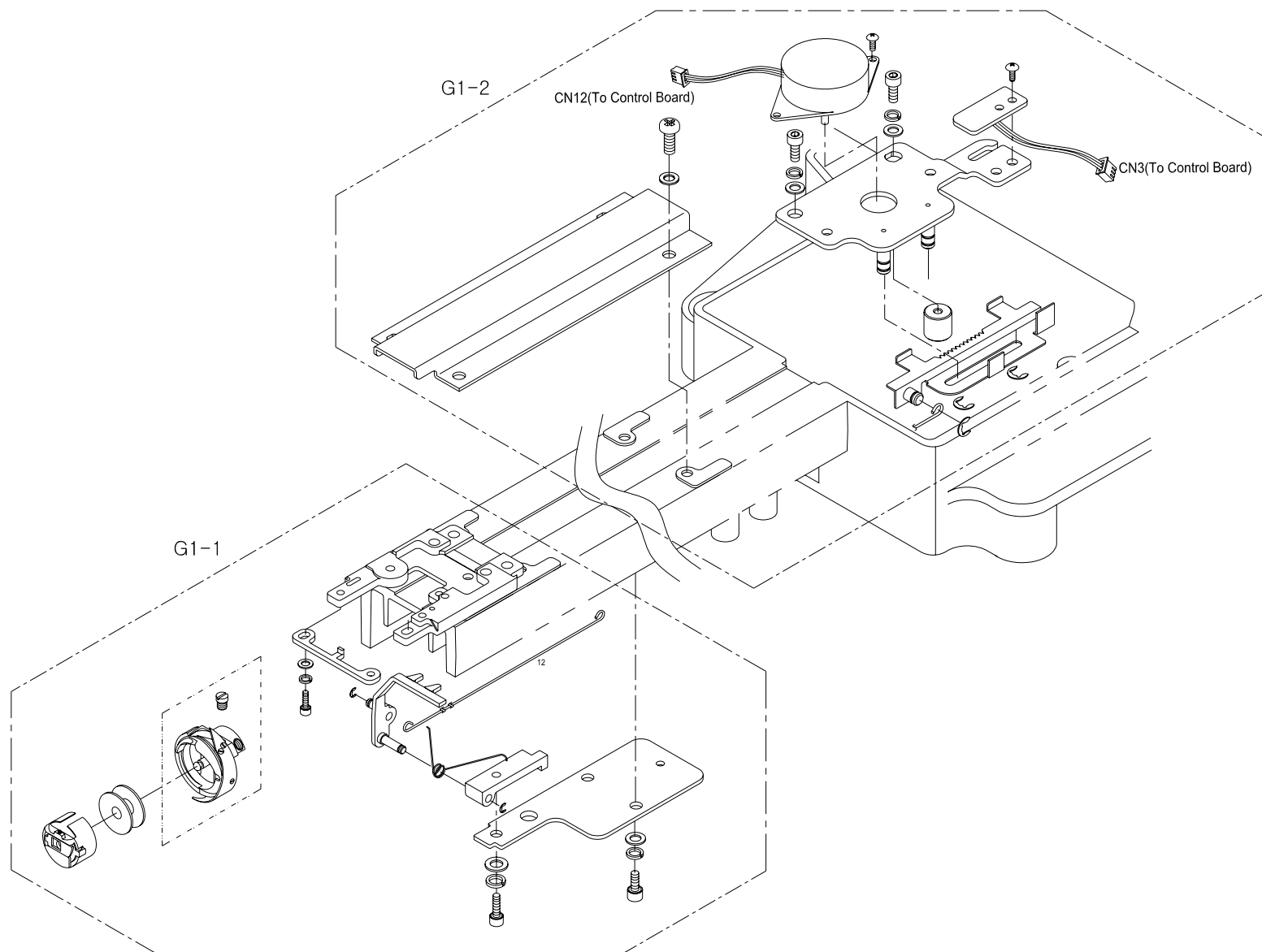
The diagram illustrates the assembly of the F-4 antenna. It shows the main antenna structure with various components labeled for identification and assembly order:

- Top Section:** Components F-4-3, F-4-2, and F-4-4 are shown being attached to the top of the antenna structure. F-4-8 and F-4-9 are also indicated near this section.
- Side Section:** Component F-4-15 is shown being attached to the side of the antenna structure. F-4-7 is also indicated near this section.
- Bottom Section:** Component F-4-10 is shown being attached to the bottom of the antenna structure. F-4-3, F-4-2, F-4-4, and F-4-8 are also indicated near this section.
- Antenna Housing:** The antenna housing is shown with components F-4-13, F-4-5, F-4-12, and F-4-11. F-4-6 is shown being attached to the housing. F-4-14 is shown being attached to the housing.

Note

F

Setting 1



G1

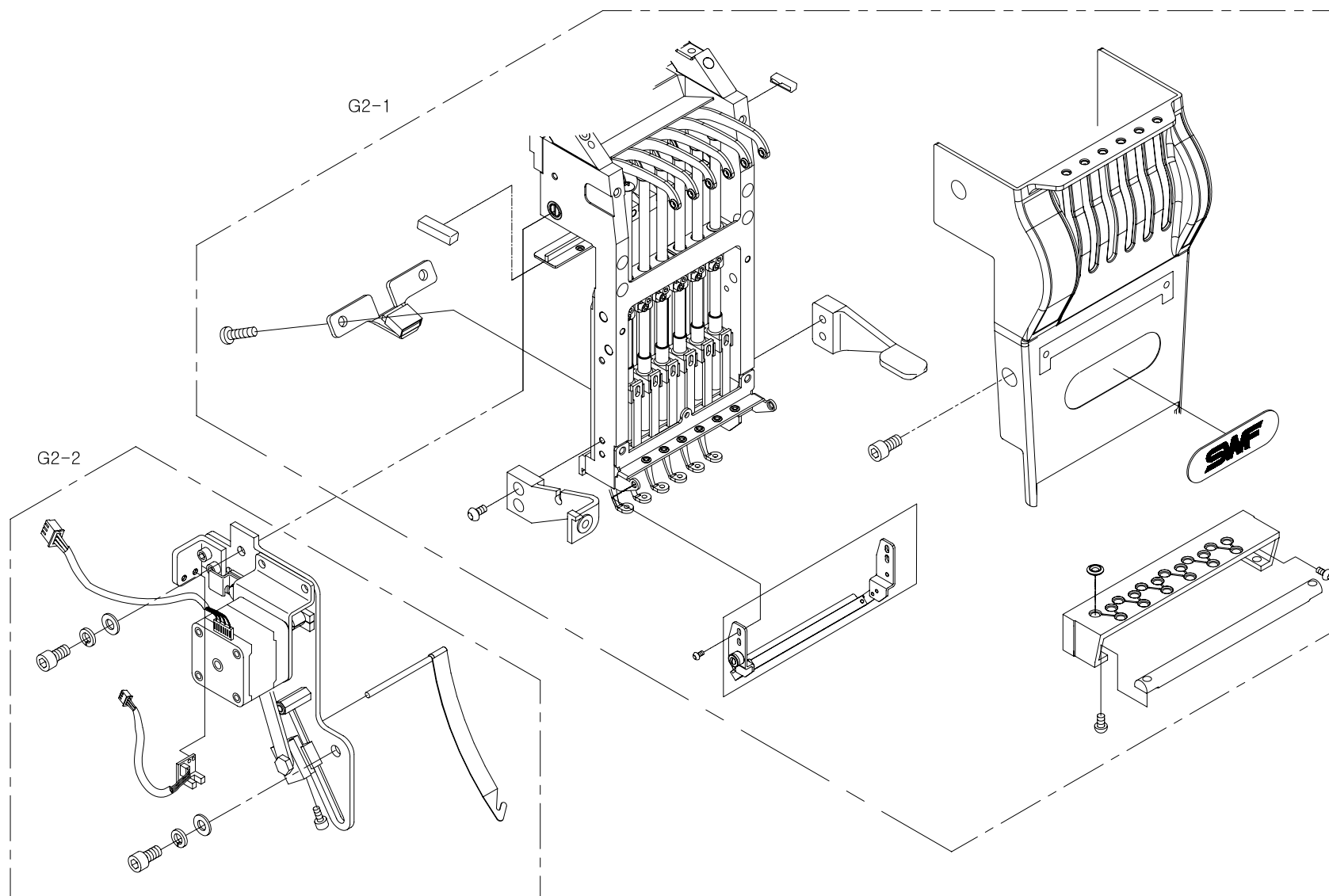
G1-2

This exploded view diagram illustrates the assembly of the G1-2 component. The main assembly plate, G1-2-1, is the central component. It is secured with screws G1-2-4, G1-2-5, and G1-2-6. A cable, CN12 (To Control Board), is connected to the top of the assembly. A cylindrical component, G1-2-7, is attached to the bottom of the main plate. A bracket, G1-2-12, is mounted on the side of the main plate using screw G1-2-13. A cable, CN3 (To Control Board), is connected to this bracket. A long metal rail, G1-2-11, is shown separately, with screw G1-2-14 indicating its attachment point. The bottom of the assembly features a complex bracket structure with screws G1-2-8, G1-2-9, and G1-2-10. Dashed lines indicate the alignment and assembly path for these components.

Note

G1

Setting 2



G2-1

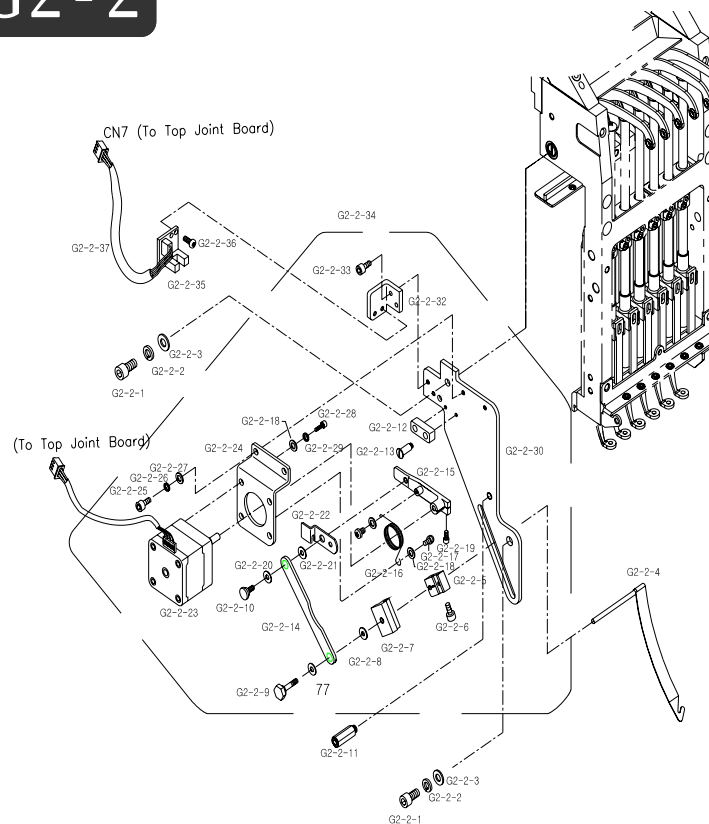
This exploded view diagram illustrates the components of the G2-1 gas control valve assembly. The main body of the valve is shown with its internal gas inlet and outlet ports. Key components include:

- G2-1-1**: Gas control valve body.
- G2-1-2**: Spring.
- G2-1-3**: Bracket.
- G2-1-4**: Bracket.
- G2-1-5**: Bracket.
- G2-1-6**: Bracket.
- G2-1-7**: Bracket.
- G2-1-8**: Bracket.
- G2-1-9**: Bracket.
- G2-1-10**: Bracket.
- G2-1-11**: Bracket.
- G2-1-12**: Bracket.
- G2-1-13**: Bracket.
- G2-1-14**: Bracket.
- G2-1-15**: Bracket.
- G2-1-16**: Bracket.
- G2-1-17**: Bracket.
- G2-1-18**: Bracket.
- G2-1-19**: Bracket.
- G2-1-20**: Bracket.
- G2-1-21**: Bracket.
- G2-1-22**: Bracket.
- G2-1-23**: Bracket.
- G2-1-24**: Bracket.

Note



G2-2

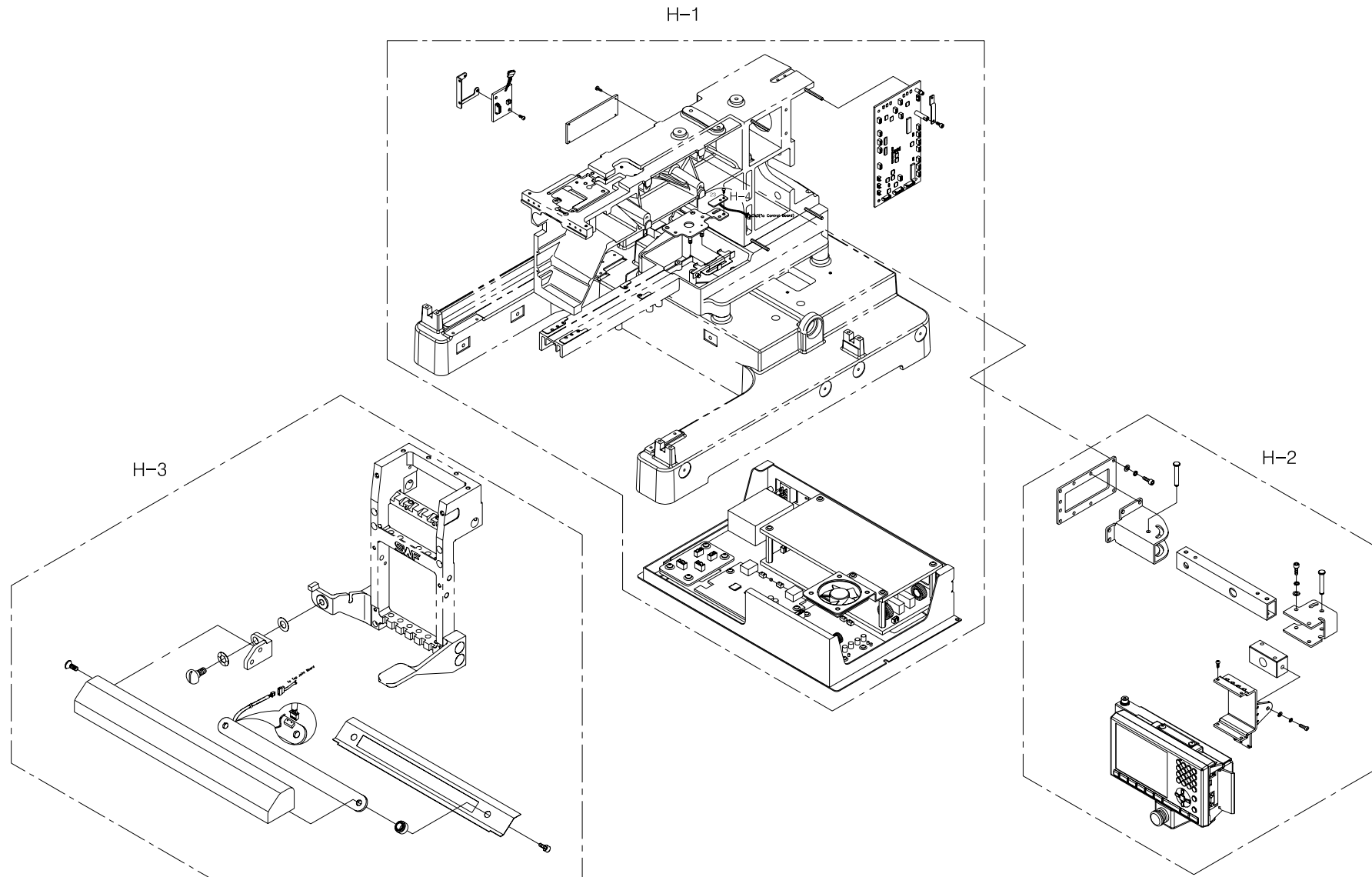


Note

Ref.No	Part No.	Part Name	Applied Period	Interchangeability	Hardware	Q'ty	Remark
G2-2-1	08076SC-7113	HEX. SOCKET BOLT (M5*L12)			O	2	
G2-2-2	18048SW-3115	SPRING WASHER (5@)			O	2	
G2-2-3	18049SW-3111	WASHER (@5)			O	2	
G2-2-4	09005PR-CT01	Upper Thread Catcher				1	
G2-2-5	09006AD-T121	Positioning Collar Bracket				1	
G2-2-6	09007SC-7113	HEX. SOCKET BOLT (M3*L12)			O	1	
G2-2-7	09008PM-T121	Positioning Collar				1	
G2-2-8	09009PR-T121	Positioning Collar Washer				1	
G2-2-9	09010CW-T121	Stud Screw				1	
G2-2-10	09013CW-T121	Driving Link Stud Screw				1	
G2-2-11	SC-000243-00	Wiper Cover Stud Bolt				2	
G2-2-12	09021RB-A001	Cushion Stopper				1	
G2-2-13	09033CW-CT01	STOPER SCREW				2	
G2-2-14	GP-006007-00	DRIVING LINK				1	
G2-2-15	08500700C000	Motor Shaft Connecting Lever				1	
G2-2-16	08500400C000	Upper Thread Return Spring				1	
G2-2-17	06010SC-8118	Plus Screw (M3*L4)			O	2	
G2-2-18	06011SW-2111	Washer (@3)			O	6	
G2-2-19	02015SC-7113	HEX.SOCKET BOLT(M4*L10)			O	1	
G2-2-20	08500600C000	Wiper Driving Link Washer				1	
G2-2-21	08500600C000	Wiper Driving Link Washer				2	
G2-2-22	08500800C000	Wiper Return Sensor Plate				1	
G2-2-23	08500200C000	Upper Thread Catcher Motor				1	
G2-2-24	08500300C000	Upper Thread Hook Motor Base				1	
G2-2-25	02023SC-7113	Hex.Socket Bolt (M4*L8)			O	2	
G2-2-26	18014SW-3115	Spring Washer (@4-No2)			O	2	
G2-2-27	18015SW-3111	Washer (4@)			O	2	
G2-2-28	22006SC-7113	HEX. SOCKET BOLT (M3*L8)			O	4	
G2-2-29	11019SW-9115	Spring Washer (3@)			O	4	
G2-2-30	08500110C000	Upper Thread Hook Base				1	
G2-2-31	08501000C000	WIPER RETURN SENSOR BRACKET				1	
G2-2-32	07035SC-7113	BRACKET SCREW (M3*L6)			O	2	
G2-2-33	08500010C000	Upper Thread Catcher Set				1	
G2-2-34	09017EL-T121	Wiper Sensor Board				1	
G2-2-35	08006SC-8118	Plus Screw (M3*L5)			O	2	
G2-2-36	DUAL-ONE-20	WIPER RETURN SENSOR Connector				1	

G2

Operation Unit & Main Controller



H-1

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

- H-1-1**: The main base unit, shown at the bottom.
- H-1-2**: A control panel or display unit, shown to the right of the main unit.
- H-1-3**: A small component, possibly a switch or indicator, shown to the right of H-1-2.
- H-1-4**: A component, possibly a connector or cable, shown to the right of H-1-2.
- H-1-5**: A component, possibly a connector or cable, shown to the right of H-1-2.
- H-1-6**: A component, possibly a connector or cable, shown to the right of H-1-2.
- H-1-7**: A component, possibly a connector or cable, shown to the right of H-1-2.
- H-1-8**: A component, possibly a connector or cable, shown to the right of H-1-2.

The diagram shows the main unit (H-1-1) with various components (H-1-2 through H-1-8) being assembled onto it. The components are shown in their relative positions and orientations, with dashed lines indicating the assembly path. The main unit (H-1-1) is shown in a perspective view, while the other components are shown in a top-down view.

Note	
-------------	--

H

H-2

This exploded view diagram illustrates the assembly of the H-2 component. The main assembly is shown at the top, with various sub-components labeled below it. The components include:

- H-2-1: The main rectangular housing or frame.
- H-2-2: A small rectangular plate or bracket.
- H-2-3: A small rectangular plate or bracket.
- H-2-4: A small rectangular plate or bracket.
- H-2-5: A long, thin rectangular plate or bracket.
- H-2-6: A small rectangular plate or bracket.
- H-2-7: A small rectangular plate or bracket.
- H-2-8: A small rectangular plate or bracket.
- H-2-9: A small rectangular plate or bracket.
- H-2-10: A small rectangular plate or bracket.
- H-2-11: A small rectangular plate or bracket.
- H-2-12: A small rectangular plate or bracket.
- H-2-13: A small rectangular plate or bracket.
- H-2-14: A small rectangular plate or bracket.
- H-2-15: A small rectangular plate or bracket.

The diagram shows the relative positions and orientations of these components, with dashed lines indicating the assembly path. The components are arranged in a hierarchical manner, with H-2-1 being the base and the other components being added to it.

Note

[illegible]

Exploded view diagram of the H-3000 Series Handgun Mounting System. The diagram illustrates the assembly of the handgun (H-3-2) onto the mounting rail (H-3-1). Key components and their assembly points are labeled:

- H-3-1:** Main mounting rail.
- H-3-2:** Handgun.
- H-3-3:** Screw for mounting the rail to the base.
- H-3-4:** Mounting bracket for the rail.
- H-3-5:** Washer for the rail mounting.
- H-3-6:** Washer for the rail mounting.
- H-3-7:** Washer for the rail mounting.
- H-3-8:** Washer for the rail mounting.
- H-3-9:** Screw for the rail mounting.
- H-3-10:** Screw for the rail mounting.

A note "Do Not Tighten" is shown near the handgun's mounting bracket, indicating that the mounting should be secure but not over-tightened.

Note

[illegible]

H-5-2 H-5-3 H-5-4

H-5-1

H-5-7

H-5-5

H-5-6 H-5-8

Note

[illegible]

Thread Tension Unit

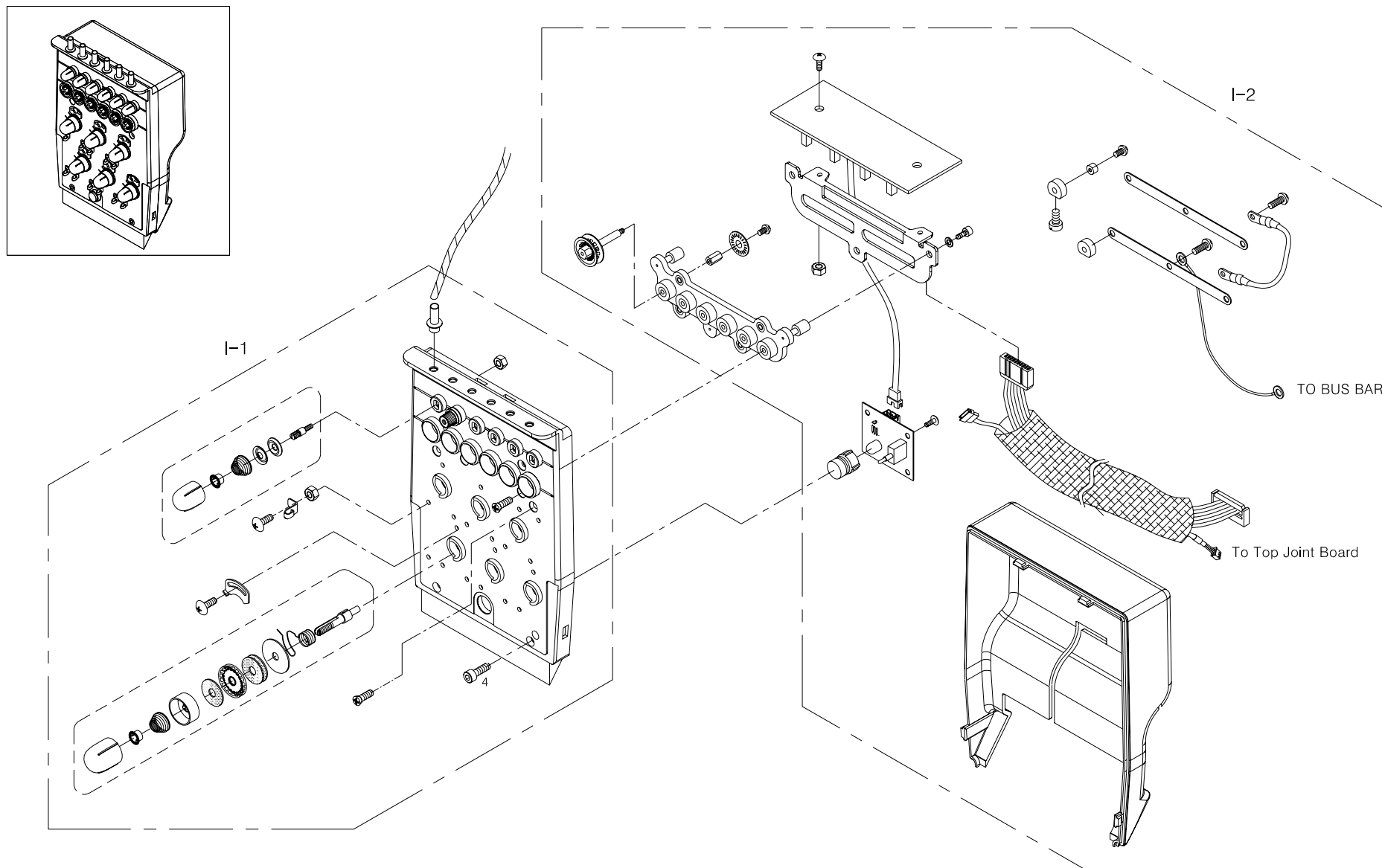
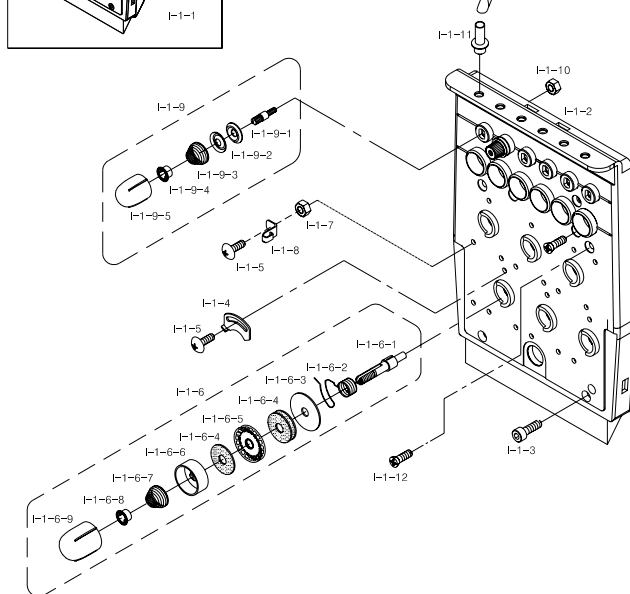


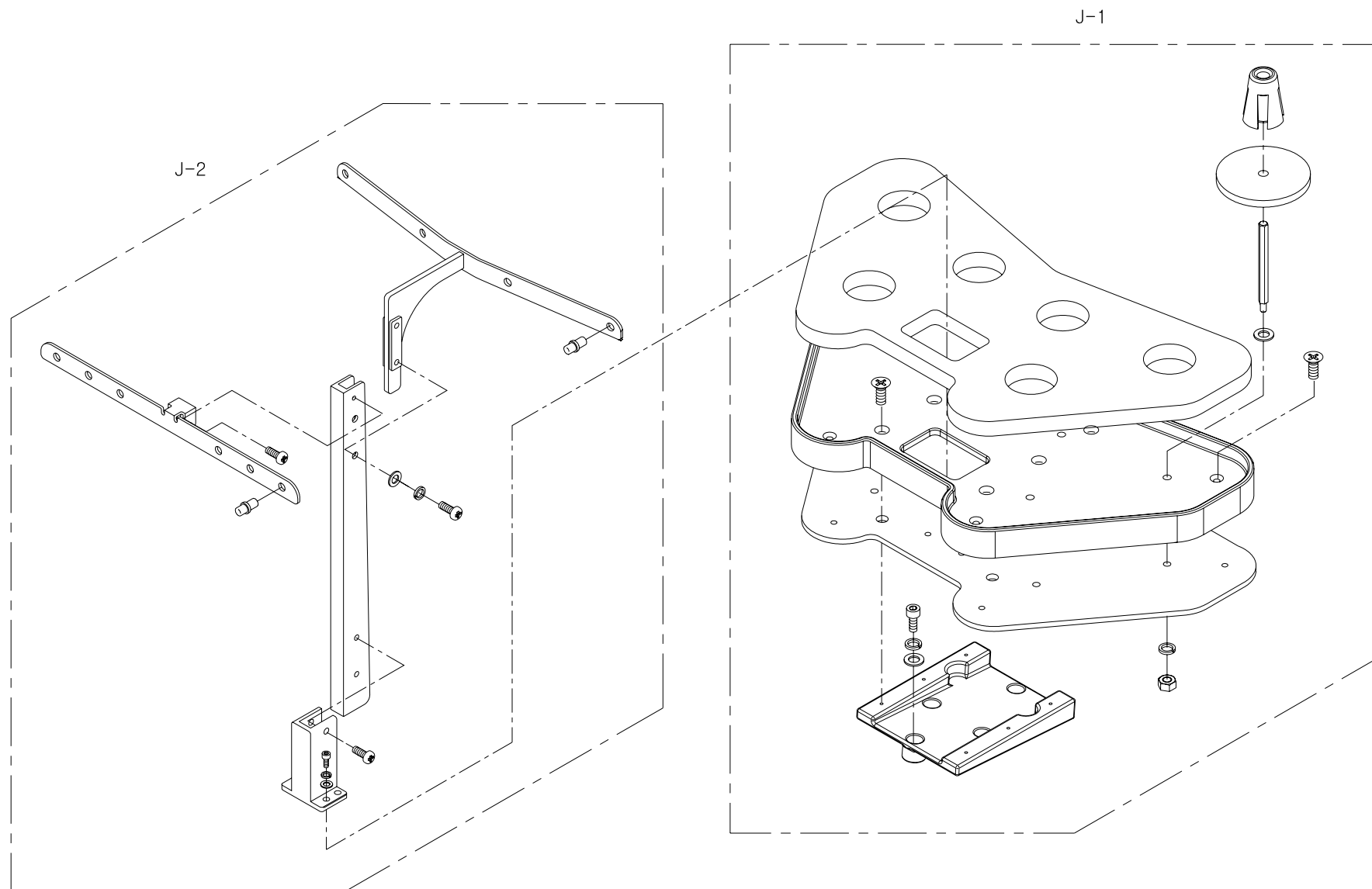
Diagram of a 12-position terminal block with 12 screw terminals and 12 pins.

[illegible]

Note

I

Spool



J-1

This exploded view diagram illustrates the assembly of the J-1 component. The main body, J-1-1, is a large, irregularly shaped plate with multiple circular holes. It is shown in an exploded state relative to other parts. J-1-2 is a smaller, similar-shaped plate that fits into the main body. J-1-3 is a base plate with several mounting holes. J-1-4 is a screw used to secure the main body to the base. J-1-5 is a rectangular block with a central slot and mounting holes. J-1-6, J-1-7, and J-1-8 are small components that fit into the slot of J-1-5. J-1-9 is a conical cap, J-1-10 is a circular disc, J-1-11 is a long pin, and J-1-12 is a small washer or spacer. J-1-13 and J-1-14 are additional mounting hardware. Dashed lines indicate the assembly path and alignment for each part.

Note

J

J-2

The diagram illustrates the assembly of the J-2 component, showing the following parts and their assembly sequence:

- J-2-1**: A long horizontal metal plate with four mounting holes.
- J-2-2**: A curved metal plate with two mounting holes.
- J-2-3**: A small metal plate with one mounting hole.
- J-2-4**: A vertical metal plate with two mounting holes.
- J-2-5**: A small metal plate with one mounting hole.
- J-2-6**: A small metal plate with one mounting hole.
- J-2-7**: A small metal plate with one mounting hole.
- J-2-8**: A small metal plate with one mounting hole.
- J-2-9**: A small metal plate with one mounting hole.
- J-2-10**: A small metal plate with one mounting hole.
- J-2-11**: A small metal plate with one mounting hole.
- J-2-12**: A small metal plate with one mounting hole.
- J-2-13**: A small metal plate with one mounting hole.

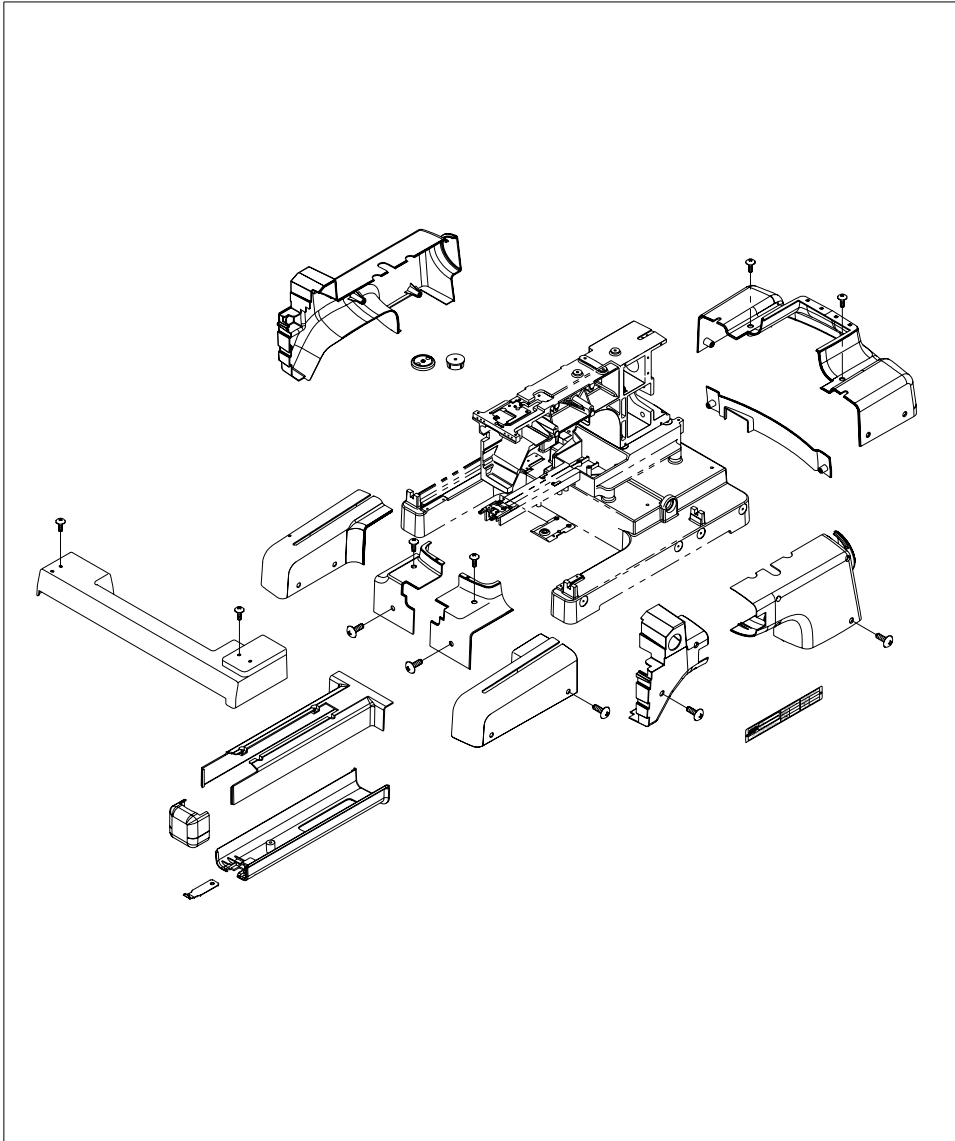
The assembly sequence is indicated by dashed lines and arrows, showing the following steps:

- Attach **J-2-1** to **J-2-2** using **J-2-3**.
- Attach **J-2-1** to **J-2-4** using **J-2-12**.
- Attach **J-2-1** to **J-2-5** using **J-2-13**.
- Attach **J-2-1** to **J-2-6** using **J-2-7**.
- Attach **J-2-1** to **J-2-8** using **J-2-9**.
- Attach **J-2-1** to **J-2-10** using **J-2-11**.

Note

J

Accessories Mechanism



This exploded view diagram illustrates the assembly of a mechanical device, likely a pump or engine component. The parts are labeled with alphanumeric codes:

- k-1-1**: A bracket-like component with two screws.
- k-1-2**: A curved, C-shaped part.
- k-1-3**: A long, flat rectangular plate.
- k-1-4**: A small, L-shaped bracket.
- k-1-5**: A small, L-shaped bracket.
- k-1-6**: A curved, C-shaped part, similar to k-1-2.
- k-1-7**: A long, flat rectangular plate with a central slot.
- k-1-8**: A long, flat rectangular plate with a central slot, similar to k-1-7.
- k-1-9**: A small, rectangular block.
- k-1-10**: A curved, C-shaped part.
- k-1-11**: A small, L-shaped bracket.
- k-1-12**: A curved, C-shaped part.
- k-1-13**: A long, flat rectangular plate with two screws.
- k-1-14**: A small, rectangular block.
- k-1-15**: A long, thin, rectangular strip.
- k-1-16**: A complex, multi-part assembly with various slots and holes.
- k-1-17**: A small, circular washer or spacer.
- k-1-18**: A small, circular washer or spacer.
- k-1-19**: A long, flat rectangular plate with two screws.

The diagram shows the relative positions and assembly sequence of these components, with arrows indicating the direction of assembly.

Note



K-2

The diagram illustrates the assembly of the K-2 device, showing the following components:

- k-2-1: Two long screws.
- k-2-2: Two shorter screws.
- k-2-3: Two thin vertical rods.
- k-2-4: A circular disc.
- k-2-5: A small rectangular component with a notch.
- k-2-6: A small cylindrical pin.
- k-2-7: A small L-shaped bracket.
- k-2-8: A small L-shaped bracket.
- k-2-9: A small L-shaped bracket.
- k-2-10: A small circular disc.
- k-2-11: Two rectangular plates with holes.
- k-2-12: A large, tapered, cone-shaped component.
- k-2-13: A large rectangular box.
- k-2-14: A small L-shaped bracket.
- k-2-15: A small L-shaped bracket.
- k-2-16: A long, thin, coiled spring.
- k-2-17: A small screw.
- k-2-18: A small screw with a coiled spring.
- k-2-19: A small screw with a coiled spring.
- k-2-20: A small screw with a coiled spring.
- k-2-21: A small screw with a coiled spring.

Note	
-------------	--



L. Index

Part No.	Part Name	Page	Ref.No
01002300T000	Oil Tube Pin	15	A-5-2
01012MP-T121	Upper Shaft Bushing (F)	11	A-1-8
01014SF-T121	Felt	11	A-1-10
01016CM-T902	Take-up Lever Driving Cam	11	A-1-1
01017CW-T121	Cam Screw (9/32N=28L=17)	11	A-1-2
01018SC-4515	Screw (15/64"N=28 L=7.5)	11	A-1-3
01019SC-4515	Hex. Socket Set Screw (1/4" N=40 L=4.5)	11	A-1-4
01020FH-T902	Needle Bar Crank	11	A-1-7
01021FH-T121	Crank Rod	26	C-3-2
01022BR-T121	Needle Bearing (KT8128)	26	C-3-3
01023CW-T121	Screw9/64"N=40	26	C-3-4
01029BR-A001	Bearing(6004ZZ)	11	A-1-14
02001600T000	Collar	13	A-3-9
02002SC-7119	PLUSS SCREW (M4*L8)	53	I-1-12
02002SC-7119	Screw (M4*L8)	56	J-1-4
02004BR-T121	Lower Shaft Washer(@8)	13	A-3-3
02004BR-T121	Hook Shaft Bearing Washer	24	C-1-11
02009SC-A001	Side Cover Screw	44	G2-1-14
02009SC-A001	Screw (9/64 n=40,L6)	44	G2-1-16
02009SC-A001	Side Cover Screw	44	G2-1-18
02010SC-3123	Screw (M4*L10)	17	A-7-9
02010SC-3123	Truss Screw(M4*L8)	30	D-2-16
02010SC-3123	Truss Screw (M4*L8)	49	H-3-10
02010SC-3123	Screw (M4*L8)	54	I-2-8
02010SC-3123	Truss Screw(M4*L8)	57	J-2-13
02015BR-T121	Bearing(6201ZZ)	13	A-3-8
02015SC-7113	Hex.Scoket Bolt(M4*L10)	15	A-5-20
02015SC-7113	Hex. Socket Bolt(M4*L10)	24	C-1-12
02015SC-7113	Hex.Scoket Bolt(M4*L10)	27	C-4-3
02015SC-7113	HEX.SOCKET BOLT(M4*L10)	45	G2-2-19
02015SC-7113	Hex.Scoket Bolt(M4*L10)	47	H-1-8
02023SC-7113	Hex.Socket Bolt (M4*L8)	36	F-1-4
02023SC-7113	Hex.Socket Bolt (M4*L8)	38	F-3-10
02023SC-7113	Screw(M4*L8)	42	G1-2-14
02023SC-7113	Hex.Socket Bolt (M4*L8)	45	G2-2-25
02023SC-7113	Plus Screw (M4*L8)	54	I-2-11
03-0000-EMB1	Head On/Off S/W Board 6C,12C	54	I-2-12
03000800C000	Presser Foot Driving Bush	12	A-2-1
03000900T000	Bearing Collar	11	A-1-15
03002700T000	Bearing Collar	19	B-1-8
03004400A000	Needle Bar Drive Bearing Bush	25	C-2-13
03004SC-4517	Screw(15/64-28, L=14)	11	A-1-9
03004SC-4517	Screw (15/64" N=28,L=14)	15	A-5-9
03004SC-4517	Screw(15/64-28, L=14)	16	A-6-8
03006MC-3123	Truss Ssrew (M3*L6)	25	C-2-10-12
03006MC-T902	Truss Screw (M3*L6)	53	I-1-5
03007600C000	Driving Lever(Small)	24	C-1-7
03008500C000	Foot Driving Connecting Link	26	C-3-5
03010SR-4013	C-Ring(@47)	11	A-1-21
03013BR-T121	Bearing(6204ZZ)	11	A-1-22
03016SC-4113	Hex. Socket Set Screw(M5XL15)	24	C-1-3
03016SC-4113	Hex. Socket Bolt (M5*L15)	34	E-3-7
03022SC-4517	Screw (M4*L5)	12	A-2-3

Part No.	Part Name	Page	Ref.No
03022SC-4517	Hex.Socket Set Screw(M4*L5)	19	B-1-7
03022SC-4517	Hex. Socket Set Screw(M4*L5)	24	C-1-6-4
03022SC-4517	Hex. Socket Set Screw(M4*L5)	34	E-3-2-15
03026SW-9115	Spring Washer (@6)	48	H-2-11
03026SW-9115	Spring Washer (@6)	56	J-1-7
03030ET-T902	Sticker	17	A-7-10
03031SN-A001	Nut (11/64,N=40)	53	I-1-10
03038FH-CT01	Needle bar Driving Shaft Driver	25	C-2-10-6
03040BM-CT01	Needle Bar Reciprocator Set	25	C-2-10
03041PR-CT01	Driver Link Plate	25	C-2-10-1
03042SF-T121	Felt "A"	25	C-2-11
03043SP-CT01	Jump Spring	25	C-2-10-5
03045PR-CT01	Stopper Bracket	25	C-2-10-7
03046CW-B001	Jump Spring Guide	25	C-2-10-4
03046SC-8118	Plus Screw (M2.6*L4)	25	C-2-10-9
03047PM-CT01	Reciprocator Stopper	25	C-2-10-8
03048SW-B001	Reciprocator Washer	25	C-2-10-2
03051BR-A001	Ball Bearing 689 (Ntn)	25	C-2-12
03056CL-B001	Reciprocator Stopper	26	C-3-10
03057SC-T121	Plus Screw (11/64,40,L12)	26	C-3-11
03064LM-T902	LM Guide Block Set (6C)	32	E-1-3
03065SC-A001	Pront Cover Screw	26	C-3-16
03071SC-7113	Hex.Scoket Bolt(M3*L10)	15	A-5-23
03071SC-7113	Hex.Socket Bolt (M3*L10)	38	F-3-9
03071SC-A001	Hex.Scoket Bolt (M3*L15)	32	E-1-4
03073CM-CT01	Presser Foot Driving Cam	11	A-1-11
03078BR-CT01	Roller Bearing Iko Cfs4	24	C-1-8
03083FH-CT01	Presser Foot Driving Lever (L)	26	C-3-1
03086SC-CT01	Connecting Link Stud Screw A	26	C-3-6
03087SC-CT01	Connecting Link Stud Screw B	26	C-3-7
03090PR-CT01	Foot Reciprocator Bracket	25	C-2-1
03091PM-CT01	Foot Reciprocator Bracket B/S	25	C-2-2
03092AD-CT01	Presser Foot Reciprocator	25	C-2-3
03093CW-CT01	Presser Foot Reciprocator B/S	25	C-2-4
03095RB-CT01	Presser Foot Stopper	25	C-2-5
03099SP-CT01	Presser Foot Return Spring	25	C-2-14
03103900C000	Needle Bar Driving Shaft Bush	25	C-2-10-13
03204100A000	Needle Bar Driving Shaft	25	C-2-9
03707300A000	Collar	13	A-3-4
04004AF-A001	Screw	13	A-3-10
04004AF-A001	Screw For Needle Plate	29	D-1-9
04004AF-A001	Needle Plate Screw	60	K-2-17
04005BM-T121	Take-Up Driving Lever(A) Set	24	C-1-6
04006CA-T121	Take-Up Driving Lever(A)	24	C-1-6-1
04010BR-CT01	Roller Bearing Iko Cfs4V	24	C-1-6-2
04010MC-7113	Screw (M4*L10)	17	A-7-5
04010MC-7113	Hex.Socket Bolt(M4*L10)	19	B-1-20
04010MC-7113	Hex.Socket Bolt(M4*L10)	20	B-2-8
04010MC-7113	Hex.Socket Bolt(M4*L10)	21	B-3-5
04010MC-7113	Hex.Socket Bolt(M4*L10)	22	B-4-7
04010MC-7113	Screw(M4*L10)	30	D-2-12
04010MC-7113	Screw (M4*L10)	41	G1-1-12
04010MC-7113	Screw (M4*L10)	42	G1-2-4

Part No.	Part Name	Page	Ref.No
04010MC-7113	Screw (M4*L10)	53	I-1-3
04010MC-7113	Screw (M4*L10)	57	J-2-6
04012AF-A001	Screw(15/64-28)	11	A-1-12
04012AF-A001	Screw(15/64-28)	11	A-1-16
04012AF-A001	Hex.Socket Set Screw 15/64-28(606255)	19	B-1-9
04012AF-A001	Screw 15/64-28(606255)	26	C-3-12
04012AF-A001	Screw (15/64-N28)	34	E-3-2-5
04012SR-4013	C-Ring (@32)	13	A-3-7
04014SC-4517	Screw (M5*L5)	34	E-3-2-22
04014SC-4517	Screw(M5*L5)	36	F-1-8
04016BM-T902	Take-Up Driving Base Set	24	C-1-2
04017BM-T121	Take-Up Driving Lever (B) Set	24	C-1-1
04017CA-T121	Take-Up Driving Lever (B)	24	C-1-1-1
04019CW-T121	Pin Stud Screw	24	C-1-1-2
04020AF-T121	Roller For Take-Up Gear-B	24	C-1-1-3
04021BR-T121	Needle Bearing Kt367N (Iko)	24	C-1-1-4
04032SN-A001	Nut (M8)	37	F-2-8
04034AF-A002	Bobbin Case	41	G1-1-3
04034AF-A002	Bobbin Case	60	K-2-5
04035AF-A001	Bobbin	41	G1-1-2
04035AF-A001	Bobbin	60	K-2-4
05000002U000	C/C Roller Base Set	34	E-3-1
05007SC-7113	Hex.Socket Bolt(M3*L5)	30	D-2-15
05008AF-T121	Needle Bar Return Spring	33	E-2-1-2
05008SC-4113	Hex.Socket Bolt(M4*L16)	39	F-4-1
05011RB-T121	Needle Bar Cushion Rubber	33	E-2-1-3
05014SC-7113	Screw (M4*L25)	33	E-2-1-4
05015CW-A001	Head Base Pin(@5*L15)	33	E-2-1-5
05016SN-1211	Hex.Nut (M4)	24	C-1-10
05017AF-T121	Presser Foot Pressure Spring	33	E-2-1-6
05017AF-T121	Presser Foot Pressure Spring	60	K-2-16
05018CW-T902	Needle Bar	33	E-2-1-7
05019SC-A001	Needle Bar Cover Screw (M5*L6)	33	E-2-1-8
05021PM-H001	Presser Foot Spring Guide	33	E-2-1-9
05021SF-A001	Felt	33	E-2-1-10
05021SF-A001	Needle Bar Felt	60	K-2-11
05022SW-A001	Spring Shoe Washer	33	E-2-1-11
05023PM-H001	Presser Foot Holder Set	33	E-2-1-12
05024PR-CT01	Presser Foot L=95	60	K-2-14
05024PR-T902	Presser Foot L=95	33	E-2-1-13
05026SC-4113	Upper Dead Center Stopper Screw	33	E-2-1-14
05026SC-4113	Stopper Screw	60	K-2-18
05026SC-H001	Presser Foot Holder Screw	33	E-2-1-15
05027FU-T902	Needle Bar Holder	33	E-2-1-17
05027PR-H001	Presser Foot Holder Washer	33	E-2-1-16
05028SC-4113	Holder Screw	33	E-2-1-18
05028SC-4113	Holder Screw	60	K-2-19
05031AF-A001	Presser Foot Guide Bush	33	E-2-1-19
05031AF-A001	Presser Foot Guide Bush	60	K-2-15
05031PM-CT06	Needle Bar Guide Rail (6C)	33	E-2-1-21
05035RB-A001	Presser Foot Cushion Rubber"A	33	E-2-1-25
05037DB-A001	Needle (DB-K5,#11)	33	E-2-1-27

L. Index

Part No.	Part Name	Page	Ref.No
05037DB-A001	Needle (DB-K5,#11)	60	K-2-3
05041SC-A001	Screw (9/64" N=40,L6)	15	A-5-8
05041SC-A001	Guide Rail Screw (9/64" N=40)	32	E-1-2
05041SC-A001	Guide Rail Screw (9/64",n=40)	33	E-2-1-22
05062SC-A001	Guide Plate Screw	26	C-3-17
05070SC-3123	Head Face Plate (U) Screw	44	G2-1-24
05100200T000	X-Axis Motor Plate	36	F-1-3
05363SC-A001	Needle Fixed Screw (A/S)	33	E-2-1-28
05363SC-A001	Needle Fixed Screw (A/S)	60	K-2-21
06003SW-2111	Washer (@4)	33	E-2-1-36
06003SW-2111	Washer (@4.5)	54	I-2-10
06010SC-8118	Plus Screw (M3*L4)	25	C-2-10-11
06010SC-8118	Plus Screw (M3*L4)	44	G2-1-15
06010SC-8118	Plus Screw (M3*L4)	45	G2-2-17
06011SW-2111	Washer(@3)	15	A-5-25
06011SW-2111	Washer(@3)	29	D-1-13
06011SW-2111	Washer(@3)	39	F-4-2
06011SW-2111	Washer (@3)	41	G1-1-16
06011SW-2111	Washer (@3)	45	G2-2-18
06011SW-2111	Washer (@3)	57	J-2-11
06014SN-9111	Hex. Nut	27	C-4-6
07000101T902	Take-Up Guide Rail (L189)	32	E-1-1
07005BM-B002	Take-Up Lever Set	33	E-2-1-32
07009SC-4517	Hex.Socket Set Screw(M5*L6)	19	B-1-12
07009SC-4517	Hex.Socket Set Screw (M5*L6)	33	E-2-1-30
07016SC-7113	Hex. Socket Bolt (M4*L12)	24	C-1-1-5
07016SC-7113	Hex.Socket Bolt (M4*L12)	34	E-3-2-16
07018SC-8118	Plus Screw (M3*L8)	44	G2-1-13
07035SC-7113	BRACKET SCREW (M3*L6)	45	G2-2-32
08006SC-8118	Plus Screw (M3*L5)	25	C-2-8
08006SC-8118	Plus Screw (M3*L5)	45	G2-2-35
08010000C000	Hose Catcher Bushing	53	I-1-11
08011SC-8118	Screw (M2*L4)	54	I-2-4
08027BR-A001	Thrust Bearing (NTB 1528)	11	A-1-6
08028BR-A001	Thrust washer (AS 1528)	11	A-1-5
08041SW-1111	Washer (M8)	37	F-2-6
08057SW-1111	Washer (@6)	48	H-2-12
08057SW-1111	Washer (@6)	56	J-1-8
08076SC-7113	Screw (M5*L12)	34	E-3-1-5
08076SC-7113	Hex.Socket Bolt (M5*L12)	36	F-1-9
08076SC-7113	Hex.Socket Bolt (M5*L12)	37	F-2-9
08076SC-7113	HEX. SOCKET BOLT (M5*L12)	45	G2-2-1
08091SC-7113	Hex. Socket Bolt (M6*L20)	48	H-2-10
08098SC-8118	Screw (M3*L5)	42	G1-2-3
08100700T902	Color Change Shaft	34	E-3-2-20
08101100T010	Color Change Collar	34	E-3-2-4
08102000T010	Color Change Motor Washer	34	E-3-2-11
08102300T902	Half Turn Sensor (Gp1S51V)	34	E-3-6
08103102C010	Color Change Roller Base	34	E-3-1-1
08104900T902	Color Change Gear	34	E-3-2-8
08113SC-A001	Screw (11/64,N=40,L6)	13	A-3-5
08113SC-A001	Screw (11/64,N=40,L6)	34	E-3-2-9
08200602A000	Take-Up Lever Shaft (6C)	33	E-2-1-24
08200800A000	Take-Up Lever Shaft Bush (R)	33	E-2-1-31

Part No.	Part Name	Page	Ref.No
08201302T902	Head Rail (6C)	33	E-2-1-23
08203000A000	Take-Up Lever Shaft Bush (L)	33	E-2-1-33
08300122B000	Thread Board Base	54	I-2-6
08300302I000	Connection Plate (A)	54	I-2-14
08300400A000	Lamp Cover	54	I-2-13
08300700A000	Tension Spring Stopper	53	I-1-6-8
08300800A000	Tension Adjusting Spring	53	I-1-6-7
08301000T902	Tension Adjusting Stud	53	I-1-9-1
08301100T902	Tension Spring	53	I-1-9-3
08301200I000	Tension Disc	53	I-1-9-2
08500010C000	Upper Thread Catcher Set	45	G2-2-33
08500110C000	Upper Thread Hook Base	45	G2-2-30
08500200C000	Upper Thread Catcher Motor	45	G2-2-23
08500300C000	Upper Thread Hook Motor Base	45	G2-2-24
08500400C000	Upper Thread Return Spring	45	G2-2-16
08500600C000	Wiper Driving Link Washer	45	G2-2-20
08500600C000	Wiper Driving Link Washer	45	G2-2-21
08500700C000	Motor Shaft Connecting Lever	45	G2-2-15
08500800C000	Wiper Return Sensor Plate	45	G2-2-22
08501000C000	WIPER RETURN SENSOR BRACKET	45	G2-2-31
08600002EA00	Upper Thread Base Set (6C)	44	G2-1-5
09005PR-CT01	Upper Thread Catcher	45	G2-2-4
09005SC-3123	Hex.Socket Set Screw(M3*L6)	22	B-4-10
09005SC-3123	Truss Screw (M3*L6)	54	I-2-16
09005SC-3123	Truss Screw(M3*L6)	57	J-2-12
09006AD-T121	Positioning Collar Bracket	45	G2-2-5
09007SC-7113	Hex.Socket Bolt (M3*L12)	38	F-3-8
09007Sc-7113	Hex.Socket Bolt(M3*L12)	39	F-4-3
09007SC-7113	HEX. SOCKET BOLT (M3*L12)	45	G2-2-6
09008PM-T121	Positioning Collar	45	G2-2-7
09009PR-T121	Positioning Collar Washer	45	G2-2-8
09010CW-T121	Stud Screw	45	G2-2-9
09013CW-T121	Driving Link Stud Screw	45	G2-2-10
09017EL-T121	Wiper Sensor Board	45	G2-2-34
09021RB-A001	Cushion Stopper	45	G2-2-12
09033CW-CT01	STOPER SCREW	45	G2-2-13
09035ET-AE00	Velcro (6C)	44	G2-1-10
09037PR-AE00	Presser Base Cover (6C)	44	G2-1-12
09038CW-A001	Thread Presser Space	44	G2-1-11
09040PR-A001	Bracket (L)	44	G2-1-6
09041PR-A001	Bracket (R)	44	G2-1-7
09044PR-A001	Upper Thread Holder Disk Set	44	G2-1-8
11009PR-B001	Thread Breakage Detecting Plat	53	I-1-4
11009SC-A001	Stud Screw	54	I-2-17
11012PR-B001	Thread Guide (New)	53	I-1-8
11014SN-1211	Hex.Nut (M3)	53	I-1-7
11019SW-9115	Spring Washer(@3)	15	A-5-24
11019SW-9115	Spring Washer(@3)	29	D-1-12
11019SW-9115	Spring Washer (@3)	38	F-3-12
11019SW-9115	Spring Washer(@3)	39	F-4-4
11019SW-9115	Spring Washer (@3)	41	G1-1-15
11019SW-9115	Spring Washer (3@)	45	G2-2-29
11019SW-9115	Spring Washer (@3)	57	J-2-10

Part No.	Part Name	Page	Ref.No
11027CW-A001	Tension Plate Pin (@3.5*L10)	33	E-2-1-29
11029SC-4113	Screw(M4*L20)	11	A-1-13
11029SC-7113	Serew(M4*L20)	33	E-2-1-35
11033PM-CT06	Roller Base	54	I-2-1
11081CW-A001	Thread Tension Adjusting Stud	53	I-1-6-1
11082AF-A001	Thread Take-Up Ssring	53	I-1-6-2
11083CW-B001	Thread Detecting Wheel Stud	54	I-2-2
11083PM-A001	Disc Plate	53	I-1-6-3
11084AF-A001	Felt	53	I-1-6-4
11085AF-A001	Rotary Tension Disc	53	I-1-6-5
11088PM-A001	Tension Spring Stopper	53	I-1-9-4
11101200T000	Upper Dead Point Stopper	33	E-2-1-20
12009SC-A001	Spool Post	56	J-1-11
12010SN-1211	Nut(M5)	25	C-2-7
12010SN-1211	Nut(M5)	26	C-3-9
12012PM-A001	Spool Holder	56	J-1-9
12017PU-T121	Pulley	37	F-2-2
12019BR-T121	Fiber Washer R-Tw1020	37	F-2-3
12022SR-4013	E-Ring	37	F-2-5
12037PR-T121	X-Axis Belt Holder	38	F-3-6
12038PR-T121	X-Axis Belt Presser	38	F-3-5
12052SF-A001	Spool Sponge	56	J-1-10
13005CM-UK06	Color Change Cam	34	E-3-2-6
13010BR-T121	Washer	34	E-3-2-2
13015PR-UK06	Potentiometer Bracket	34	E-3-3
13020SC-7113	Screw(M3*L8)	20	B-2-11
13020SC-7113	Screw(M3*L8)	29	D-1-11
13020SC-7113	Hex.Socket Bolt (M3*L8)	38	F-3-7
13020SC-7113	Hex.Socket Bolt(M3*L8)	41	G1-1-17
13020SC-7113	Screw (M3*L8)	57	J-2-9
13026BR-T121	Bearing (6002Z)	19	B-1-4
13032AD-UK06	Color Change Film Set	34	E-3-2-21
13041BR-UK01	Washer	34	E-3-2-3
13054SC-3123	Truss Screw (M3 X L8)	44	G2-1-23
13061SC-8119	Screw(M3*L10)	19	B-1-16
13061SC-8119	Plus Screw(M3*L10)	39	F-4-5
14027SC-4113	Screw (M8*L30)	16	A-6-7
14033SN-8211	Nut(M12)	19	B-1-25
14063PU-UK01	Timing Pulley	36	F-1-7
15012MT-T902	Potentiometer (7824 R1K L25)	34	E-3-5
15014PR-CT01	X Pulley Bracket	37	F-2-1
15014PR-T121	Potentiometer Washer	34	E-3-4
15018CW-CT01	X Pulley Shaft	37	F-2-4
15029SN-3211	Hex.Nut (M4)	54	I-2-9
15030SC-7113	Hex.Socket Bolt(M5*L30)	19	B-1-18
15030SC-7113	Hex.Socket Bolt (M5*L30)	37	F-2-13
15035AD-CT01	X Driving Belt Support	38	F-3-3
15077BR-A001	Bearing (698ZZ)	36	F-1-6
15095SW-3115	Spring Washer (M8)	37	F-2-7
15106BR-A001	Bearing (LF 1280ZZ)	22	B-4-3
15112SC-7113	Hook Stopper Screw	41	G1-1-5
15159SR-4013	E-Ring	30	D-2-9
16018SW-1111	Washer (@5)	34	E-3-9
16059SC-4113	Hex.Socket Bolt(M6*L12)	56	J-1-6

L. Index

Part No.	Part Name	Page	Ref.No
16067CW-CT01	Screw for Y-Guide Shaft Stopper	19	B-1-24
17012SC-8329	Screw (M4*L16)	29	D-1-2
18009EL-WH06	U.T.C Board	54	I-2-7
18014SW-3115	Spring Washer(@4)	15	A-5-21
18014SW-3115	Spring Washer (@4)	17	A-7-6
18014SW-3115	Spring Washer(@4)	19	B-1-21
18014SW-3115	Spring Washer(@4)	20	B-2-9
18014SW-3115	Spring Washer(@4)	22	B-4-8
18014SW-3115	Spring Washer (@4)	27	C-4-4
18014SW-3115	Spring Washer(@4)	30	D-2-13
18014SW-3115	Spring Washer (@4)	34	E-3-2-17
18014SW-3115	Spring Waher (M4)	42	G1-2-5
18014SW-3115	Spring Washer (@4-No2)	45	G2-2-26
18014SW-3115	Spring Washer (@4)	57	J-2-7
18014SW-3115	Spring Washer (@4)	41	G1-1-13
18015SW-3111	Washer(@4)	15	A-5-22
18015SW-3111	Washer (@5)	17	A-7-7
18015SW-3111	Washer(@4)	19	B-1-22
18015SW-3111	Washer(@4)	20	B-2-10
18015SW-3111	Washer(@4)	22	B-4-9
18015SW-3111	Washer (@4)	24	C-1-9
18015SW-3111	Washer (@4)	27	C-4-5
18015SW-3111	Washer(@4)	30	D-2-14
18015SW-3111	Washer (@4)	34	E-3-2-18
18015SW-3111	Washer (M4)	36	F-1-5
18015SW-3111	Washer (@4)	41	G1-1-14
18015SW-3111	Waher (M4)	42	G1-2-6
18015SW-3111	Washer (4@)	45	G2-2-27
18015SW-3111	Washer (@4)	57	J-2-8
18047SC-7113	Screw (M5*L15)	16	A-6-4
18048SW-3115	Spring Washer (@5)	16	A-6-5
18048SW-3115	Spring Washer(M5)	24	C-1-4
18048SW-3115	Spring Washer(M5)	25	C-2-6
18048SW-3115	Spring Washer(M5)	26	C-3-8
18048SW-3115	Spring Washer (5@)	34	E-3-1-2
18048SW-3115	Spring Washer (@5)	34	E-3-8
18048SW-3115	Spring Washer (M5)	36	F-1-10
18048SW-3115	Spring Washer (M5)	37	F-2-10
18048SW-3115	SPRING WASHER (5@)	45	G2-2-2
18048SW-3115	Spring Washer (@5)	48	H-2-14
18048SW-3115	Spring Washer (@5)	56	J-1-13
18049SW-3111	Washer (@5)	16	A-6-6
18049SW-3111	Washer(M5)	24	C-1-5
18049SW-3111	Washer (M5)	36	F-1-11
18049SW-3111	Washer (M5)	37	F-2-11
18049SW-3111	WASHER (@5)	45	G2-2-3
18049SW-3111	Washer (@5)	48	H-2-15
18049SW-3111	Washer (@5)	56	J-1-12
18083SN-3211	Nut(M5)	19	B-1-19
18083SN-3211	Hex.Nut (M5)	24	C-1-6-3
18083SN-3211	Hex.Nut (M5)	34	E-3-1-3
18083SN-3211	Nut (M5)	36	F-1-12
18083SN-3211	Nut (M5)	37	F-2-12

Part No.	Part Name	Page	Ref.No
18083SN-3211	Nut (M5)	56	J-1-14
18111CW-A001	Frame Tension Adjusting Bolt	39	F-4-6
18153SC-3123	Hex.Socket Bolt (M4*L10)	44	G2-1-2
18153SC-3123	Plus Screw(M4*L10)	59	K-1-19
22000001EA00	Frame Connecting Plate	38	F-3-1
22006SC-7113	HEX. SOCKET BOLT (M3*L8)	45	G2-2-28
26004ET-A001	(-)Driver(L)	60	K-2-1
26008ET-A001	(+)Driver	60	K-2-2
26016ET-A001	L-Shape Wrench (2.5mm)	60	K-2-7
26017ET-A001	L-Shape Wrench (3mm)	60	K-2-8
26018ET-A001	L-Shape Wrench (4mm)	60	K-2-9
26030ET-UK01	Oil Can	60	K-2-13
27066CW-T121	Wire Tension Adjusting Box Spanner	60	K-2-6
28021SC-3123	Screw (M4*L8)	15	A-5-12
32012ET-T121	Oil Hose (L=140)	15	A-5-17
32013ET-T121	Wick (L=200)	15	A-5-10
32014PR-T121	Oil Hose Holder	15	A-5-11
32025ET-T121	Wick (L=530)	15	A-5-16
32026SF-T121	Arm Felt	15	A-5-5
32027SF-T121	Felt For Crank Rod	15	A-5-7
32028PR-T121	Felt Holder For Crank Rod	15	A-5-6
32031ET-T121	Wick (L=350)	15	A-5-18
32044ET-T121	Wick (L=435)	15	A-5-19
AS-004322-00	Head Set	33	E-2-1
AS-005187-00	Tubular Frame Attachment Assy'	39	F-4-7
AS-005420-00	Color Change Motor Set	34	E-3-2
AS-005560-00	Tension Adjusting Set	53	I-1-6
AS-006057-00	Arm, Bed	15	A-5-1
AS-006058-00	Tension Unit Set	53	I-1-1
AS-006178-00	Sub Tension Adjusting Set	53	I-1-9
AS-007116-00	Upper Shaft Timing Pulley Ass'y	17	A-7-4
AS-007679-00	Needle Fixed Holder	33	E-2-1-26
AS-007679-00	Needle Fixed Holder	60	K-2-20
BD-000291-01	Top Joint Board	47	H-1-5
BD-000291-01	Top Joint Board	51	H-5-1
BD-000381-00	Lamp Led Board(6C)	49	H-3-2
BD-000481-01	Encoder Board	47	H-1-6
BD-000482-03	Control Board	47	H-1-2
BD-000482-03	Control Board	50	H-4-1
BD-000482-04	Control Board	47	H-1-2
BD-000482-04	Control Board	50	H-4-1
BD-000482-05	Control Board	47	H-1-2
BD-000482-05	Control Board	50	H-4-1
BD-000482-06	Control Board	47	H-1-2
BD-000482-06	Control Board	50	H-4-1
BD-000482-07	Control Board	47	H-1-2
BD-000482-07	Control Board	50	H-4-1
BD-000483-00	Sensor	42	G1-2-12
BD-000483-00	Sensor Board	47	H-1-4
BE-000060-00	Timing Belt (10-S5M-525)	17	A-7-2
BE-000061-00	Timing Belt	17	A-7-3
BE-000069-00	Y-Driving Motor Belt	19	B-1-10

Part No.	Part Name	Page	Ref.No
BE-000070-00	Y-Driving Belt	22	B-4-11
BE-000084-00	X-Driving Timing Belt	38	F-3-2
BR-000102-00	Y-Driving Bearing	20	B-2-3
CA-000947-00	UPCPT-03 Cable	51	H-5-5
CA-002322-00	SMPS +24V Out Put Cable	50	H-4-10
CA-002330-00	Control Board To B/P Board Cable	50	H-4-4
CA-002337-00	Y-Motor Connecting Cable	50	H-4-3
CA-002338-02	Y-ORG, Limit Sensor Cable	50	H-4-5
CA-002339-00	Thread Cutting Motor Connector	30	D-2-4
CA-002339-00	Trim Motor Cable	50	H-4-13
CA-002340-00	Picker Motor Cable	50	H-4-12
CA-002341-00	OP-Box To Control Board Cable	50	H-4-11
CA-002342-00	Encoder To Control Board Cable	50	H-4-6
CA-002344-00	Cable	34	E-3-2-19
CA-002344-00	C/C Mptor To Joint Board Cable	51	H-5-2
CA-002345-02	Picker Motor Return Sensor Cable	50	H-4-8
CA-002346-02	Trim Motor Return Sensor Cable	50	H-4-7
CA-002347-00	X-Motor Connecting Cable	50	H-4-2
CA-002349-00	Control Board To Joint Board Cable	50	H-4-9
CA-002349-00	Control Board To Joint Board Cable	51	H-5-7
CL-000097-00	Collar	11	A-1-19
DUAL-ONE-18	Half Turn Sensor To Joint Board Cable	51	H-5-4
DUAL-ONE-19	Potentiometer To Joint Board Cable	51	H-5-3
DUAL-ONE-20	WIPER RETURN SENSOR Connector	45	G2-2-36
DUAL-ONE-38	Jump Solenoid To Joint Board	51	H-5-6
EP-000034-00	Jumping Sol. Set	27	C-4-1
EP-000035-00	Main Motor(AXHM5100K-A)	16	A-6-1
EP-000200-00	Code Wheel	11	A-1-18
GP-002446-00	Arm Front Cover (L)	26	C-3-14
GP-002448-00	Guide Plate For Needle Bar Driving Shaft	26	C-3-13
GP-002541-01	Tubular Frame Holding Clip	39	F-4-8
GP-002548-00	Tubular Frame Fixing Clip Bracket(L)	39	F-4-9
GP-002549-00	Tubular Frame Fixing Clip Bracket(R)	39	F-4-10
GP-004682-00	Tension Adjusting Plate Holder	33	E-2-1-34
GP-005179-00	Thread Breakage Detecting Wheel	54	I-2-3
GP-005577-00	Hook Cover Spring	59	K-1-14
GP-005577-01	Hook Cover Spring	59	K-1-14
GP-005581-00	Tubular Frame Holder "B"(R)	39	F-4-11
GP-005582-00	Tubular Frame Holder "B"(L)	39	F-4-12
GP-006007-00	DRIVING LINK	45	G2-2-14
GP-006252-00	Color Change Bushing	34	E-3-2-7
GP-008323-00	Jumping Sol Braket	27	C-4-2
GP-008332-00	Upper Thread Catcher Guide Set	44	G2-1-1
GP-008505-00	Arm Front Cover (R)	26	C-3-15
GP-008572-00	INDIGATOR	17	A-7-8
GP-009852-01	Lamp Cover Stud	49	H-3-3
GP-009854-01	Lamp End Bracket (L)	44	G2-1-3
GP-009858-01	Lamp End Bracket (R)	44	G2-1-4
GP-009859-00	Lamp Driving Link	49	H-3-5
GP-009906-00	Oiller	60	K-2-12
GP-010240-00	Sticker	44	G2-1-19
GP-015043-00	Lamp Cover (6C)	49	H-3-4
GP-015101-00	Head	33	E-2-1-1

L. Index

Part No.	Part Name	Page	Ref.No
GP-015101-01	Head	33	E-2-1-1
GP-015101-02	Head	33	E-2-1-1
GP-015101-03	Head	33	E-2-1-1
GP-015101-04	Head	33	E-2-1-1
GP-016499-00	Hook Stopper	41	G1-1-4
GP-016499-01	Hook Stopper	41	G1-1-4
GP-016502-00	Moving Mes Connecting Link(B)	30	D-2-7
GP-016504-00	Moving Mes	29	D-1-3
GP-016504-01	Moving Mes	29	D-1-3
GP-016504-02	Moving Mes	29	D-1-3
GP-016505-00	Thread Base Cover Stud	30	D-2-10
GP-016507-00	Thread Base Ass'y	30	D-2-5
GP-016508-00	Lower Thread Hoder	29	D-1-7
GP-016511-00	Color Change Base	34	E-3-2-1
GP-016511-01	Color Change Base	34	E-3-2-1
GP-016511-02	Color Change Base	34	E-3-2-1
GP-016512-00	Picker connect plate	41	G1-1-9
GP-016512-00	Picker connect plate	42	G1-2-10
GP-016513-00	Picker Bracket	41	G1-1-7
GP-016514-00	Picker Base	41	G1-1-6
GP-016514-00	Picker Base	42	G1-2-1
GP-016515-00	Picker Motor	42	G1-2-2
GP-016516-00	Picker Return Spring	41	G1-1-8
GP-016517-00	Picker Ass'y	41	G1-1-10
GP-016518-00	Rack For Picker Moving Ass'y	42	G1-2-8
GP-016518-01	Rack For Picker Moving Ass'y	42	G1-2-8
GP-016522-00	Tubular Frame39*26(Inner)	39	F-4-13
GP-016525-00	Lower Shaft Driving Timing Pully	13	A-3-11
GP-016534-01	Sensing Plate	11	A-1-20
GP-016537-00	Board Plate A	15	A-5-13
GP-016541-00	Bracket for Main Motor	16	A-6-2
GP-016543-00	Upper Shaft Timing Pulley	17	A-7-1
GP-016544-00	Timing Pulley For Main Motor	16	A-6-3
GP-016564-00	Presser Foot Driving Bush(B)	12	A-2-2
GP-016572-00	Picker Gear	42	G1-2-7
GP-016574-00	Thread Gear	30	D-2-1
GP-016575-00	Thread Gear	30	D-2-2
GP-016583-00	Y-Guide Shaft	20	B-2-6
GP-016584-00	Y-Guide Shaft Stopper	19	B-1-23
GP-016585-00	Y-Driving Stopper	20	B-2-5
GP-016589-01	Y-Driven Pulley Bracket(L)	22	B-4-1
GP-016589-02	Y-Driven Pulley Bracket(L)	22	B-4-1
GP-016590-01	Y-Driven Pulley Bracket(R)	22	B-4-2
GP-016590-02	Y-Driven Pulley Bracket(R)	22	B-4-2
GP-016734-00	Bed cover	42	G1-2-11
GP-016735-00	Thread Gear	30	D-2-3
GP-016770-01	Y-Bearing Case	20	B-2-4
GP-016809-00	Color Change Passivity Knob Ass'y	34	E-3-2-14
GP-016811-00	Color Change Gear (L)	34	E-3-2-10
GP-016861-00	Thread Hanger Angle(A)	57	J-2-1
GP-016862-00	Thread Hanger Angle(B)	57	J-2-2
GP-016863-00	Thread Hanger Angle Bush	57	J-2-3
GP-016864-00	Thread Hanger Angle Support	57	J-2-4

Part No.	Part Name	Page	Ref.No
GP-016865-00	Thread Hanger Angle Bracket	57	J-2-5
GP-016870-00	OP Bracket Base	48	H-2-8
GP-016870-01	OP Bracket Base	48	H-2-8
GP-016872-00	OP Holder Hinge (A)	48	H-2-4
GP-016872-01	OP Holder Hinge (A)	48	H-2-4
GP-016872-02	OP Holder Hinge (A)	48	H-2-4
GP-016873-00	Arm Cover Stud Bracket	47	H-1-3
GP-016873-00	OP Holder Hinge (B)	48	H-2-3
GP-016905-00	Spool Fixing Plate	56	J-1-3
GP-016905-01	Spool Fixing Plate	56	J-1-3
GP-016906-00	Spool Plate Felt	56	J-1-2
GP-016907-00	Hook Cover	59	K-1-9
GP-016907-01	Hook Cover	59	K-1-9
GP-016908-00	Bed Cover A	59	K-1-7
GP-016909-00	Bed Cover B	59	K-1-8
GP-016910-00	Body Cover L-A	59	K-1-2
GP-016911-00	Body Cover L-B	59	K-1-4
GP-016912-00	Body Cover C	59	K-1-1
GP-016913-00	Body Cover R-A	59	K-1-3
GP-016914-00	Body Cover R-B	59	K-1-5
GP-016915-00	Body Cover D	59	K-1-6
GP-016916-00	Arm Cover L	59	K-1-10
GP-016917-00	Arm Cover R-A	59	K-1-11
GP-016918-00	Arm Cover R-B	59	K-1-12
GP-016920-00	Spool Support	56	J-1-5
GP-016921-00	Spool Plate	56	J-1-1
GP-016934-01	X-Driving Motor Cover	59	K-1-13
GP-017091-01	Color Change Motor Plate	34	E-3-2-12
GP-018374-00	Needle Bar Reciprocator	25	C-2-10-3
GP-020393-00	Tubular Frame39*26(Outer)	39	F-4-14
GP-020394-00	Sensor Braket (A)	15	A-5-14
GP-020397-01	Upper Shaft	14	A-4-1
GP-020398-00	Sensor Braket (B)	15	A-5-15
GP-020399-02	Y-Belt Presser Guide	20	B-2-7
GP-020399-03	Y-Belt Presser Guide	20	B-2-7
GP-020400-01	Y-Connecting Bracket(L)	20	B-2-1
GP-020400-02	Y-Connecting Bracket(L)	20	B-2-1
GP-020401-01	Y-Connecting Bracket(R)	20	B-2-2
GP-020401-02	Y-Connecting Bracket(R)	20	B-2-2
GP-020402-00	Y-Driving Shaft	19	B-1-5
GP-020403-01	Y-Driving Pulley	19	B-1-11
GP-020405-00	Y-Driven Shaft Holder	22	B-4-6
GP-020406-00	Y-Driven Pulley	22	B-4-4
GP-020407-01	Y-Driven Pulley Shaft	22	B-4-5
GP-020408-00	Lower Shaft	14	A-4-2
GP-020410-00	OP Holder	48	H-2-5
GP-020411-00	OP Holder Base	48	H-2-6
GP-020411-01	OP Holder Base	48	H-2-6
GP-020448-00	Upper Thread Presser Base (6C)	44	G2-1-9
GP-020463-00	Base	19	B-1-1
GP-020463-01	Base	19	B-1-1
GP-020464-00	Frame Connecting Plate(L)	21	B-3-2
GP-020464-01	Frame Connecting Plate(L)	21	B-3-2

Part No.	Part Name	Page	Ref.No
GP-020465-00	Frame Connecting Plate(R)	21	B-3-3
GP-020466-00	X-Sensor Plate	38	F-3-4
GP-020467-00	X-Sensor Bracket	21	B-3-4
GP-020467-01	X-Sensor Bracket	21	B-3-4
GP-020469-01	Y-Belt Presser	20	B-2-12
GP-020470-00	Y-Driven Pulley	19	B-1-6
GP-020471-00	Y-Motor Tension Adjusting Bracket	19	B-1-17
GP-020472-01	Y-Driven Pulley	19	B-1-14
GP-020475-00	Lower Shaft Bushing	13	A-3-1
GP-020476-00	Lower Shaft Bushing (M)	13	A-3-6
GP-020477-00	Lm Guide	21	B-3-1
GP-020478-00	Motor Bracket	36	F-1-2
GP-020479-00	Y-Motor Bracket	19	B-1-13
GP-020479-01	Y-Motor Bracket	19	B-1-13
GP-020500-00	Fixing Mes	29	D-1-6
GP-020500-01	Fixing Mes	29	D-1-6
GP-020500-02	Fixing Mes	29	D-1-6
GP-020500-03	Fixing Mes	29	D-1-6
GP-020500-03	Fixing Mes	29	D-1-6
GP-020501-00	Thread Base Cover	30	D-2-11
GP-020502-01	Moving Mes Connecting Link(A)	30	D-2-6
GP-020504-01	Needle Plate Bracket	29	D-1-1
GP-020504-02	Needle Plate Bracket	29	D-1-1
GP-021225-01	Fixing Sutr for Cover	19	B-1-3
GP-022280-00	OP Holder	48	H-2-2
GP-022293-00	Tension Unit	53	I-1-2
GP-022294-00	Tension Unit Cover	54	I-2-15
GP-022296-00	Tension Spring Collar	53	I-1-6-6
GP-022299-00	Lamp Bracket (6C)	49	H-3-1
GP-022300-00	Screw Cover Cap	59	K-1-17
GP-022300-00	Screw Cover Cap	60	K-2-10
GP-022712-00	Thread Sensor Roller(B1)Set	54	I-2-5
GP-022856-00	Name Plate	59	K-1-15
GP-023046-00	Felt	13	A-3-2
GP-026769-00	Upper Shaft Timing Pulley	17	A-7-4-1
GP-026778-00	Hand Pulley For Upper Shaft	17	A-7-4-2
GP-026779-00	Cover for Hand Pulley	17	A-7-4-3
GP-026924-00	Oil Storing Box	15	A-5-3
GP-026925-00	Oil Storing Felt	15	A-5-4
GP-029521-00	Tubular Frame Rail Plate	44	G2-1-22
GP-031038-00	Needle Plate	59	K-1-16
GP-031038-01	Needle Plate	59	K-1-16
GP-031038-02	Needle Plate	59	K-1-16
GP-031039-00	Needle Guide Plate	59	K-1-18
GP-033421-00	Take-up Lever Driving Cam	11	A-1-1
GP-037692-00	Color Change Roller	34	E-3-1-4
GP-040562-00	Rotary Hook Set	41	G1-1-1
GP-044297-00	Thread Guide Shaft 6C	44	G2-1-21
GP-044297-01	Thread Guide Shaft 6C	44	G2-1-21
GP-044297-02	Thread Guide Shaft 6C	44	G2-1-21
GP-044297-03	Thread Guide Shaft 6C	44	G2-1-21
GP-044537-00	Thread Guide (M-6C) Ass'y	44	G2-1-20
MO-000041-00	Color Change Motor	34	E-3-2-13

[illegible][illegible][illegible]