

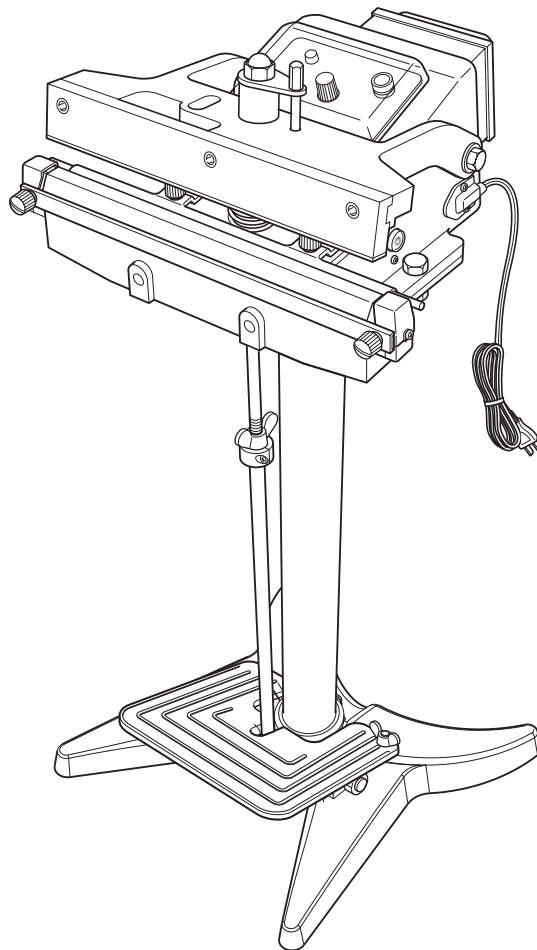
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Foot-Operated Impulse Sealer

Fi Series

FiK Series

Operating Instructions



 **FUJI IMPULSE CO.,LTD.**

<http://www.fujiimpulse.co.jp>



Foreword

Thank you for purchasing the Fuji Impulse Fi, FiK series sealer.

Please read all of the safety and operating instructions before operating this machine. Periodic maintenance and proper operation are necessary to ensure safety when using this impulse sealer.

Keep this manual on hand when operating the sealer.

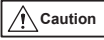




Set the heating time according to the material and thickness of the film.

As a result of research to further improve the Fi, FiK series, some details in the operating instructions may differ from your actual machine. For operating problems or product information, please contact your local dealer or fax Fuji Impulse at (81)6-6335-1828.

About the warning labels

The warning labels indicate when there is a danger of injury to the operator or damage to the machine.

Below is a list of what each label denotes.

 Caution	Minor injuries or damages to the unit may occur when the instruction is ignored.
 Warning	Critical injuries or fatal accidents will almost certainly occur when the instruction is ignored.
 Danger	Critical injuries or fatal accidents will almost certainly occur when the instruction is ignored.
 Attention!	Important Notes and Restrictions - Read the directions in order to avoid misuse of the unit.
 TIPS	Great Tips and References when using the unit - Highly recommend reading through the information.

This manual is designed to cover machines of various voltages and plug configurations

Before using, always verify the voltage specification of your particular unit and operate it at the correct voltage.

Please note the following:

- 1) The voltage specification of your unit is listed on the label which displays the serial number. This label can be found on the machine body.
- 2) The explanations and illustrations in this operators' manual utilize the following standard plug configurations most common in Japan. However, due to the various configurations in use worldwide, these may not necessarily correspond with the one attached to your specific unit.



Voltages and plug configurations differ according to various worldwide specifications. Always verify those of your particular unit before beginning operation. Connecting the power cord to an outlet of a different specification is extremely hazardous.

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1 Specification

Code	Model	Voltage V	Power W	Sealing width mm	Sealing length mm	Weight kg	Pedal Type	Machine dimention mm W x D x H	Options			Standard table
									Printer		Special Table	
									Inner	Outer		
-	Fi-200-10	110	1100	10	200	20	A	390x520x920	○	-	○	○
-	Fi-200-10W (D)	110	1400	10	200	21	B	390x520x920	○	-	○	○
-	Fi-300	110	1050	5	300	20	A	390x520x920	○	○	○	○
			470	2								
-	Fi-300 fusing type	110	750	-	300	20	A	390x520x920	○	○	○	○
-	Fi-300-5W (D)	110	1100	5	300	21	A	390x520x940	○	-	○	○
-	Fi-300-10	110	1500	10	300	23	B	390x530x940	○	○	○	○
-	Fi-300-10W (D)	110	1500	10	300	23	B	390x530x940	○	-	○	○
-	Fi-600-2	110	1000	2	600	25	B	680x530x1030	○	○		○
-	Fi-600-5	110	1500	5	600	29	B	680x560x1030	○	○		○
-	Fi-600 fusing type	110	1500	-	600	27	B	680x560x1030	○	○		○
-	Fi-600-10	220	2650	10	600	34	B	680x560x1030	○	○		○
-	Fi-600-5W (D)	110	1500	5	600	28	B	680x560x1030	○	-		○
-	Fi-600-10W (D)	220	2650	10	600	34	B	680x560x1030	○	-		○
-	FiK-200-10	110	1100	10	200	22	A	390x520x1040	○	-	○	○
-	FiK-200-10W (D)	110	1400	10	200	23	B	390x520x1040	○	-	○	○
-	FiK-300	110	1050	5	300	22	A	390x520x1040	○	○	○	○
			470	2								
-	FiK-300-5W (D)	110	1100	5	300	23	A	390x520x1040	○	-	○	○
-	FiK-300-10	110	1500	10	300	25	B	390x530x1040	○	○	○	○
-	FiK-300-10W (D)	110	1500	10	300	25	B	390x530x1040	○	-	○	○
-	FiK-450-2	110	700	2	450	22	A	530x430x1040	○	○	○	-
-	FiK-450-5	110	1150	5	450	22	B	530x430x1040	○	○	○	-
-	FiK-450-10	220	2150	10	450	31	B	530x520x1040	○	○	○	-
-	FiK-450-5W (D)	110	1300	5	450	25	B	530x520x1040	○	-	○	-
-	FiK-450-10W (D)	220	2150	10	450	31	B	530x550x1040	○	-	○	-
-	FiK-600-2	110	1000	2	600	27	B	680x550x1040	○	○		○
-	FiK-600-5	110	1500	5	600	29	B	680x550x1040	○	○		○
-	FiK-600-10	220	2650	10	600	35	B	680x550x1040	○	○		○
-	FiK-600-5W (D)	110	1500	5	600	30	B	680x550x1040	○	-		○
-	FiK-600-10W (D)	220	2650	10	600	36	B	680x550x1040	○	-		○

*Double heating type is indicated by "W" or "D" in their last digit of their model names.

2 Package contents

Please make sure that all of the accessories described below are included.

If not, please contact your dealer.

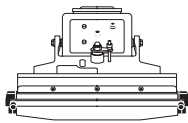
When the package is opened, make sure that the heating scale is pointing to 1.

If not, adjust heating dial so that the heating scale is pointing to 1.

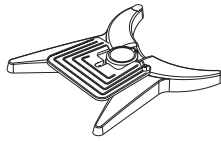
Before using Fi series of sealers, assemble the machine following to the directions of “8 How to assemble the sealer.”

Parts included for all model types

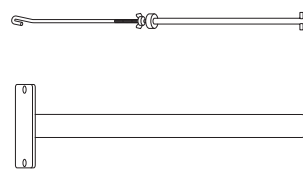
●Fi Series



Sealer Head



Stand Base



Rod and Hook Bar set

Support pipe

●FiK Series

All the above parts have been assembled for FiK series at the time of factory shipment.

Accessories that differ depending on the machine types (=parts)

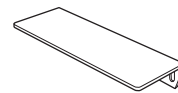
●Fi, FiK Series



Heating element



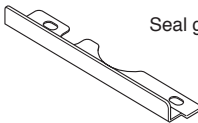
Main frame mounting bolt set



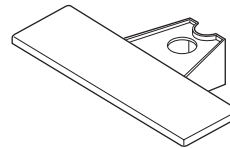
Standard table
Withstand Load: 2kg



Fusing-type heating element



Seal gauge



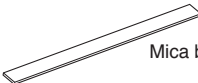
Fi special table
Withstand Load: 20kg
(Standard for Fi-600 and FiK-600 series.)



Philips screwdriver



Spanner



Mica board

These illustrations are not reduced equally.

Model	Accessories
Fi-200-10	Heating element/5pcs, Philips screwdriver, Standard table, Spanner, Bolt set, Seal Gauge
Fi-200-10W (D)	Heating element/5pcs, Philips screwdriver, Standard table, Spanner, Bolt set
Fi-300	2 & 5mm-width Heating element/5pcs each, Philips screwdriver, Standard table, Spanner, Bolt set, Seal Gauge
Fi-300-10	Heating element/5pcs, Philips screwdriver, Standard table, Spanner, Bolt set, Seal Gauge
Fi-300-5W, 10W (D)	Heating element/5pcs, Philips screwdriver, Standard table, Spanner, Bolt set
Fi-600-2, 5, 10	Heating element/5pcs, Philips screwdriver, Standard table, Spanner, Bolt set, Seal Gauge
Fi-600-5W, 10W (D)	Heating element/5pcs, Philips screwdriver, Standard table, Spanner, Bolt set
Fi-300 fusing type	Fusing type heating element/5pcs, Philips screwdriver, Mica board/2pcs, Standard table, Spanner, Bolt set
Fi-600 fusing type	Fusing type heating element/5pcs, Philips screwdriver, Mica board/2pcs, Table, Spanner, Bolt set
FiK-200-10	Heating element/5pcs, Philips screw driver, Standard table, Spanner, Seal Gauge
FiK-200-10W	Heating element/5pcs, Philips screw driver, Standard table, Spanner
FiK-300	2 & 5mm-width Heating element/5pcs each, Philips screw driver, Standard table, Spanner, Seal Gauge
FiK-300-10	Heating element/5pcs, Philips screw driver, Standard table, Spanner, Seal Gauge
FiK-300-5W, 10W (D)	Heating element/5pcs, Philips screw driver, Standard table, Spanner
FiK-450-2, 5, 10	Heating element/5pcs, Philips screw driver, Spanner, Seal Gauge
FiK-450-5W, 10W (D)	Heating element/5pcs, Philips screw driver, Spanner
FiK-600-2, 5, 10	Heating element/5pcs, Philips screw driver, Table, Spanner, Seal Gauge
FiK-600-5W, 10W (D)	Heating element/5pcs, Philips screw driver, Table, Spanner
FiK-450 fusing type	Fusing type heating element/5pcs, Philips screwdriver, Mica board/2pcs, Spanner

3 Replacement parts

Routine maintenance parts, which will need to be replaced after extensive use, are sold individually as detailed below. Also the maintenance parts kits that includes all the consumable parts are available.

Replacement parts can be purchased through your local Fuji Impulse dealer.

Replacement parts sales unit

Parts Name	Sales Unit
Heating element	20 pcs./set or 10 pcs./set
Teflon sheet	2 pcs./set
Silicone rubber	2 pcs./set
Glass tape	5M or 10M roll ... 1 roll
Sarcon sheet	2 pcs./set or 5M roll ... 1 roll
Plastic nut black 6mm	5 pcs./set
Microswitch	1 pc.
Microswitch cover	1 pc.

Maintenance parts kit detail

Models	Heating element	Silicone rubber	Teflon sheet	Glass tape	Sarcon sheet
FI(FiK)-200-10, FI(FiK)-200-10W (D) FI(FiK)-300, FI(FiK)-300-10, FiK-450-2(5) FiK-450-10, FI(FiK)-600-5, FI(FiK)-600-10	3 pcs.	1 pc.	2 pcs.	5M roll/ 1roll	1 pc.
FI(FiK)-300-5W (D), FI(FiK)-300-10W (D) FiK-450-5W (D), FiK-450-10W (D) FI(FiK)-600-5W (D), FI(FiK)-600-10W (D)	5 pcs.	1 pc.	2 pcs.	5M roll/ 1roll	1 pc.

4 Proper use of the sealer

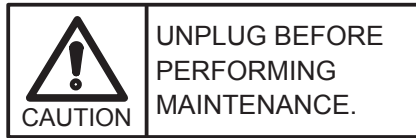
- 1 The impulse sealer is a machine which sends strong electric current quickly to the thin ribbon heater, which presses against the film and instantly heat seals the package. Though this machine yields superior quality sealing, it is not compatible with films thicker than that indicated in the diagram below, sponge-like sheets, and materials which are not able to withstand high heat.
- 2 Film thickness limits for the Fi, FiK series are described below. The machine cannot seal bags which are thicker than that indicated. The machine may malfunction if you try to exceed the limits of the machine.

Heating method	Heater width	Film thickness (total thickness of piled film)
Single side heating	2mm	Less than 0.3mm
Single side heating	5mm	Less than 0.3mm
Single side heating	10mm	Less than 0.4mm
Double side heating	5, 10mm	Less than 0.5mm

5 Warning-caution label location and content

Warning - Caution labels are placed in locations where there is a danger of injury to a person or damage to the machine. Label location details are illustrated below. Please check them before beginning operation.

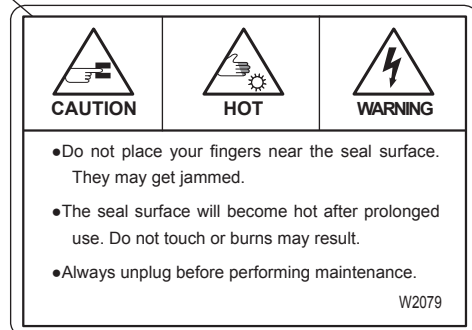
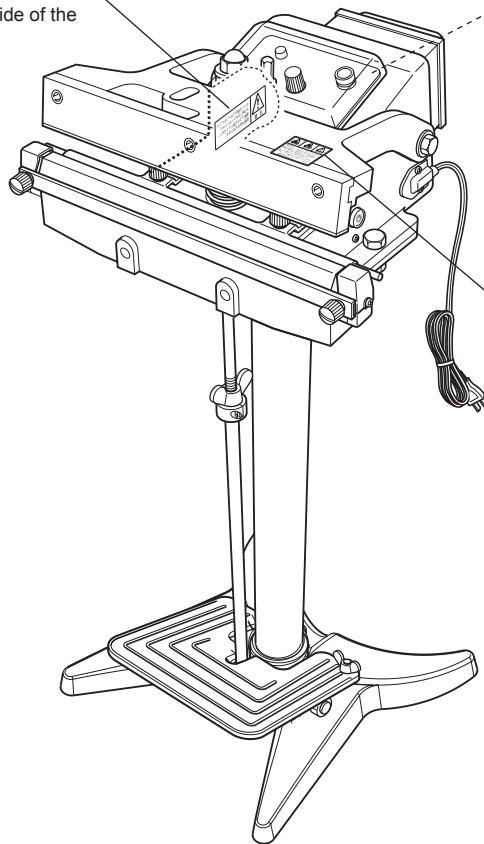
Labels not readily apparent are indicated by dotted lines.



Adhered on the left side of the body frame.



When removing the timer, you will see this label adhered on the backside of the timer. Do not remove the timer unless it is necessary.



This label is adhered on the pressure lever.



If Warning - Caution labels peel off or are lost, please purchase the proper labels and place them in the appropriate location.

6 Operating precautions

For safety operation


 **Warning** In an emergency, unplug the power cord immediately

This sealer incorporates a number of safety devices and is carefully designed to prevent fires or other malfunctions. However, should all of the safety devices fail simultaneously, there is a possibility of the Teflon catching fire due to a failure of the heating circuit's tripping mechanism that results in the heating element overheating. Should smoke or fire appear from the Teflon, immediately release the foot pedal or turn OFF the power.

 **Warning** Confirm proper electric power source

Make sure power source has the specified voltage and electric power as explained in “1 Specification” of this manual. DO NOT use an extension cord, as the machine may malfunction due to voltage drop or may result in fire. Machine will malfunction if connected to anything other than the specified voltage.

Insert the electric power plug fully into the wall outlet.

 **Warning** Do not use for packaging liquids

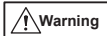
Do not splash water on the machine or use machine for packaging liquids since machine is not waterproof. There is a danger of electrocution or malfunction of the machine.

 **Warning** Do not insert any metal objects into the sealing area


Please do not place any metal objects into the sealing area during operation. This could cause electrocution.

 **Warning** When replacing parts, unplug the power plug


Maintenance of the machine is important. Parts should be replaced in accordance with the operating instructions. There is a risk of danger if the parts are not replaced properly. Before replacing parts, unplug the machine from the power source and replace parts referring to “Replacing the routine maintenance parts” thoroughly.

 **Do not modify the machine**

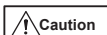
Modification of the Fi and FiK series or the use of unspecified parts may not only lead to damage of the machine, but there is also a risk of danger to the operator. Please do not tamper with the machine. Accidents or damage caused by modification by the customer is the sole responsibility of the customer.

 **Do not use parts other than those specified**

When replacing parts, always use only specified parts sold through Fuji Impulse. Not responsible for malfunctions caused by the use of unspecified parts.

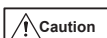
 **If the power switch automatically turns to the OFF position**

If after 3 seconds heating is not complete after it has been initiated, the power switch will automatically turn OFF. There is a possibility of malfunction of the machine. Do not operate the machine until the cause of the shut down is ascertained and the problem has been addressed.

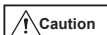
 **Do not use in the following places**

Do not operate machine in the following places since there is a danger of malfunction:

- 1 Dusty locations.
- 2 Locations not within normal temperatures.
- 3 Locations with high humidity.

 **Do not place hands in the sealing area**

With prolonged use, the sealing area will retain heat and become hot. If you place your fingers in this area, there is a possibility of burns.

 **Use the machine properly**

Read “Proper use of the sealer” in this manual carefully and operate sealer correctly. Accidents or damage caused by misuse of the machine not in accordance with the operating instructions are the sole responsibility of the customer.

 **Run test trials first before beginning operation**

Achieving a superior seal with an impulse sealer is determined by heating / cooling / pressure strength. Depending on the type of film being used and the contents of the bag, heating / cooling / pressure strength conditions may drastically differ. Find the optimum sealing conditions by conducting seal tests before proceeding.

For smooth operation

- Heating time should be set at a minimum

Set sealer so that an acceptable seal is completed in the least amount of heating time. Excessively long heating times (increasing the heat setting unnecessarily) will damage the Teflon, glass tape and other consumables, as well as result in heating element breakage. This will lead to decreased work productivity and unnecessary power consumption.

- Allow sufficient cooling time

Cooling time is important when using an impulse sealer. After the film is heated, the film must cool with the frame and pressure lever in the closed position. After the heating lamp turns off, keep on depressing the pedal to let the bag cool in this position for 2-3 seconds. (The instructions are described in the “Proper use of the sealer>>>9-7 Depress the pedal” .)

- When the Teflon, silicone rubber becomes damaged

The Teflon, silicone rubber will start to wear with use. Once they are damaged, it will be difficult to achieve smooth and strong seals. Thoroughly read how to replace the parts and be careful when doing so.

- To achieve a strong seal

Proper sealing pressure is important in achieving a strong seal. Sealing pressure for Fi, FiK series can be adjusted by the power to depress the pedal. Apply the optimum pressure when sealing.

- When operating machine for extended periods of time

The machine's temperature will rise upon prolonged use of the machine. As the temperature of the machine rises, the condition of the seal will change. Thus, heating time should be shortened and cooling time should be lengthened accordingly.

- Dust in the sealing area

Dust will prevent attainment of a smooth seal. It could also cause damage to heating element and/or other routine maintenance parts. Before using the machine, clean the sealing area.

Other safeguards

- Run test trials before beginning operation

Depending on the type of film being used, heating / cooling / pressure strength conditions will differ. Run test trials to find the optimum sealing condition, especially when trying to find the tightest seal possible.

- The Fuji Impulse Fi, FiK series is an impulse sealer

Do not become alarmed if the sealing area does not become hot after the power switch is turned to the ON position. The machine has not malfunctioned.

The Fuji impulse sealer uses an impulse method so the heating element will not become hot just by plugging the unit in or turning the power switch to the ON position. The heater will only become hot for an instant when the heating process is in operation. However, after extended periods of use, the sealing area may become hot.

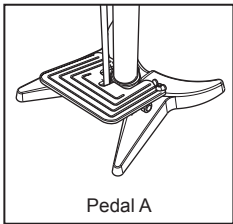
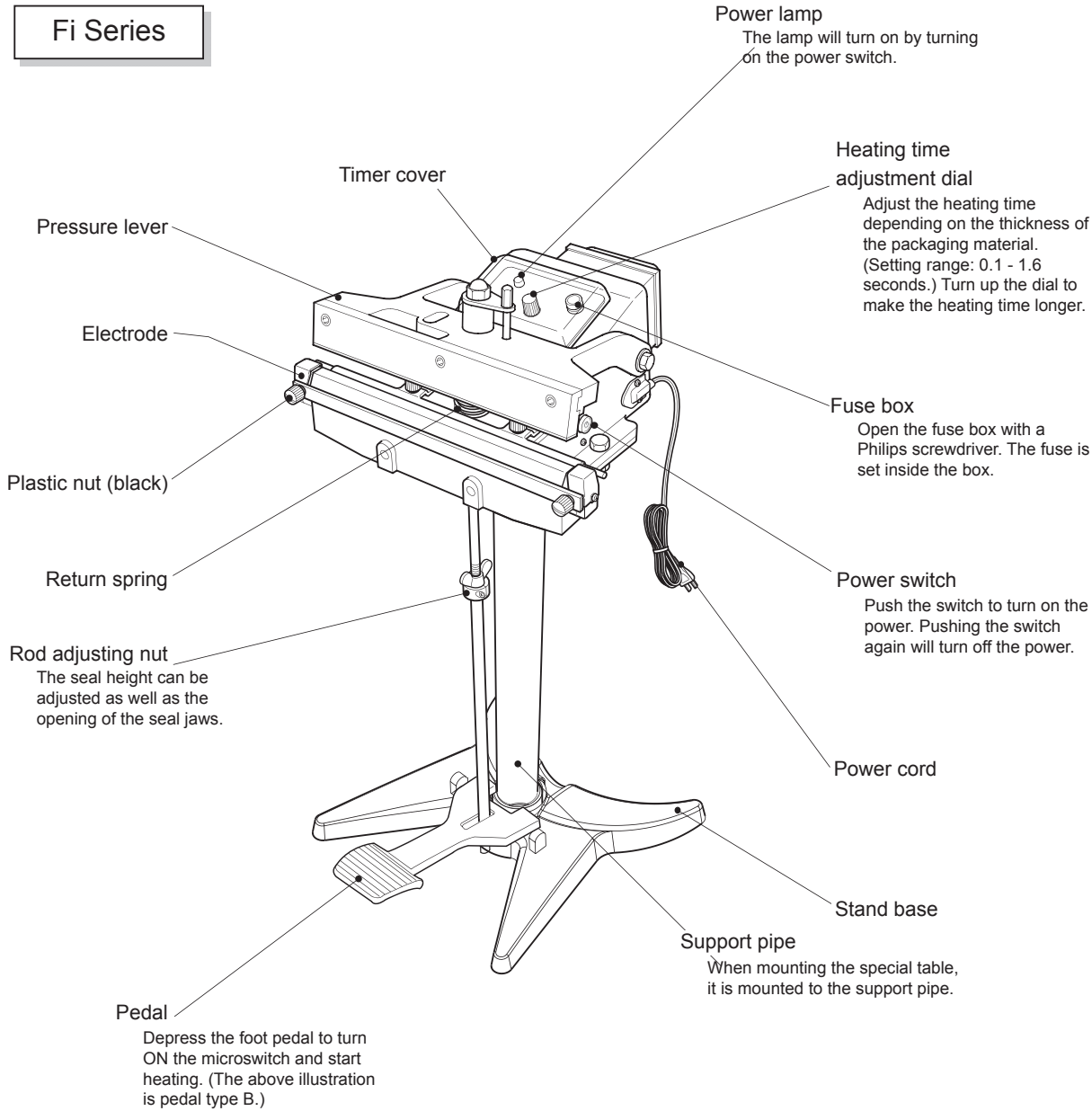
- Printer outlet

The printer outlet is located on the underside of the seal frame head. It is to be used ONLY when mounting the optional printer.

Do NOT attempt to plug any other electronic devices into this outlet.

7 Major parts and function

Fi Series



FiK Series

For the for the name of special parts for FiK series, please refer to the exploded view and parts list.

8 How to assemble the sealer

Please read the following "How to assemble the machine" thoroughly before starting assembling.

Assembling in the way ignoring this manual could cause malfunction or damage the machine and will be very dangerous.

Attention! FiK series does not require this procedure because they shipped after assembled.

After opening the package, please make sure that all the parts and accessories described in "2 Package contents" are included.

8-1 Install a support pipe to the stand base

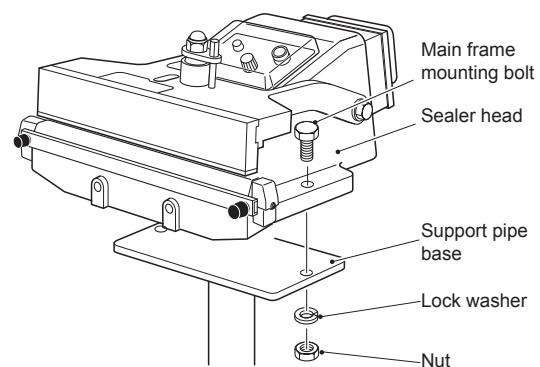
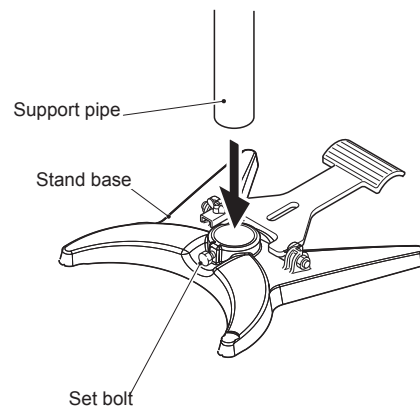
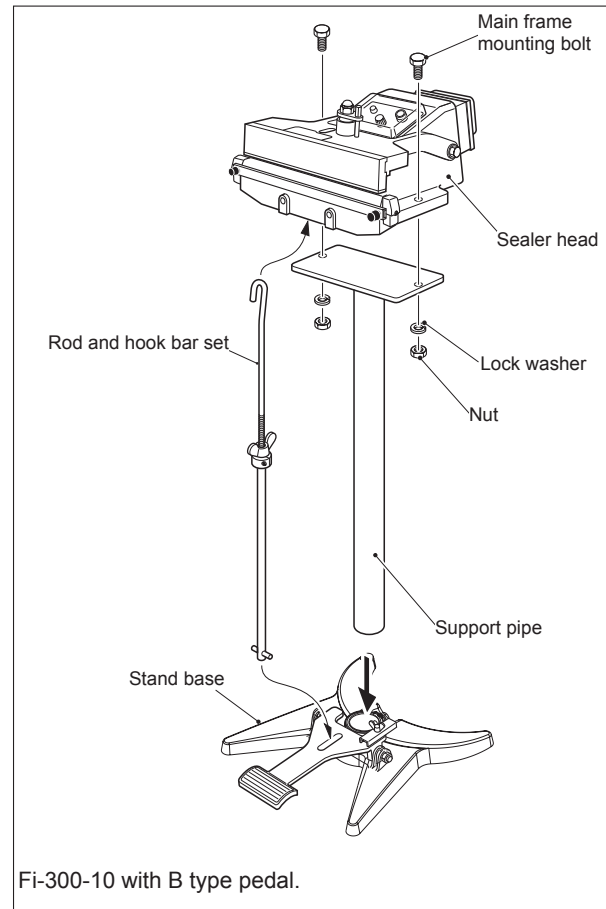
Insert a support pipe into the hole of stand base.

TIPS Temporarily tighten the set bolt at this stage.

8-2 Install a sealer head

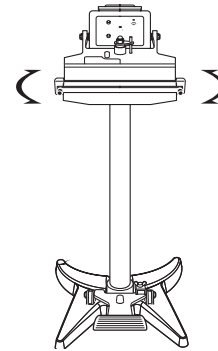
Adjust the screw hole of the support pipe stand and the sealer head to make them overlap, and lock with the attached bolt set (fixing bolt, lock washer, nut).

Do not tighten the setting bolt completely yet.



8-3 Straighten all the twisted parts

Straighten the sealer head so it is set parallel to the stand base, and tighten each bolt.



8-4 Install the rod and hook bar set

Upper part

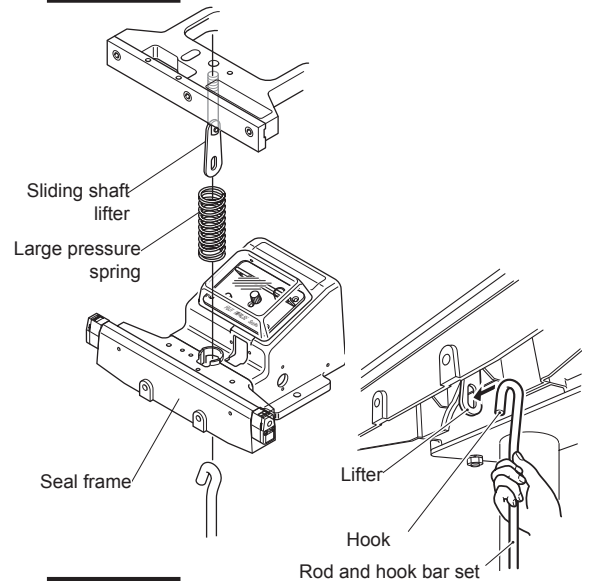
Set a pressure spring (large) to the seal frame. Next, insert the sliding shaft lifter into the large pressure spring.

Hang the hook of rod and hook bar set on the sliding shaft lifter.

The rod-adjusting nut is fixed with the wing nut and adjusted at the optimum level at the time of factory shipment. Therefore the pressure adjustment is not necessary.

To adjust the height of the foot pedal, please refer to “11-1 Adjusting the height of foot pedal”.

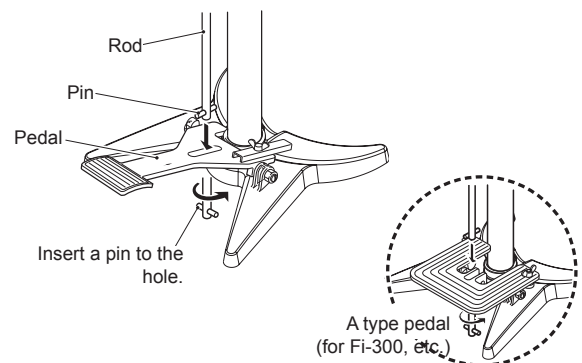
Upper part



Lower part

Install the other end of a rod and hook bar set, whose edge comes equipped with a pin, to the long hole of the pedal.

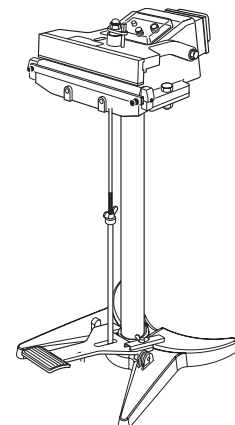
Lower part



8-5 Completion

After assembling the sealer, please refer to “9 Proper use of the sealer” thoroughly and operate the sealer properly.

As-built drawing



9 Proper use of the sealer

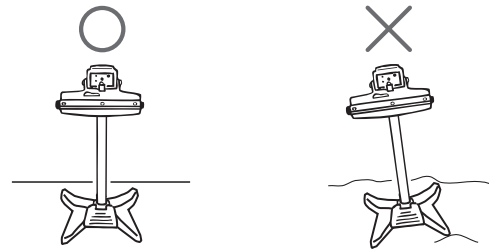
Before using the Fi/FiK series, read “8 How to assemble the sealer” thoroughly and properly assemble the sealer head, support pipe and stand base. Also use the sealer only as described in below “Proper use of the sealer”. There is a risk of danger and malfunctions if the machine is not used in accordance with this manual.

Attention! For the FiK series, assembling is not necessary as they are shipped after assembled.

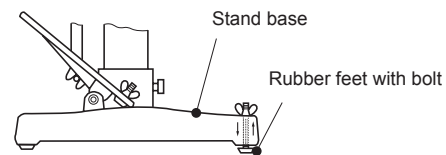
9-1 Setting the machine

Place a machine on a flat, horizontal surface.

Warning! Installing the machine on an unstable or inclined surface may cause the overturn of the sealer.



Loosen the wing nut fixed to the rubber feet with bolt to adjust the height of rubber feet to accommodate to some uneven surface.



9-2 Mounting the table

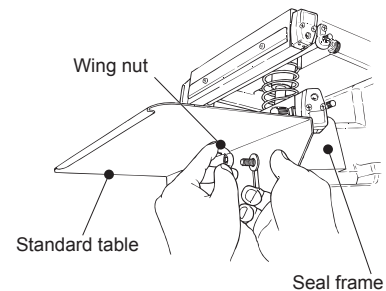
If the table is not necessary, you do not need to perform this process.

1 Standard table

Secure the table with the wing nuts and bolts to the seal frame at the proper work position (height).

Caution! The load carrying capacity for the standard table is 2kg. If the load exceeding the capacity is applied to the table, it may break the table or seal frame. Do not apply load exceeding 2kg to the standard table.

1 Standard table



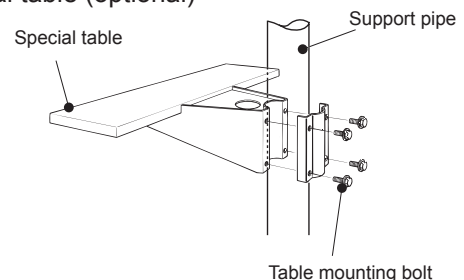
2 Special table (Optional)

(This special table will be standard for Fi-600 series.)

Tighten the table mounting bolts to secure the table at the proper work position (height).


Caution! The load carrying capacity for the special table is 20kg. The sealer may fall over by losing balance due to the overloading. Do not apply load exceeding 20kg to the special table.

2 Special table (optional)



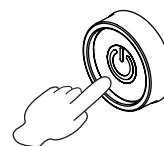
9-3 Plugging in the electrical power cord

The power cord is located on the right side of the machine, when facing toward it. Make sure the electrical outlet has adequate current carrying capacity as described at “1. Specification.” Insert the electric power plug fully into the wall outlet.

 **Warning** There is a danger of fire if the electrical power source does not meet proper specification.

9-4 Power switch ON

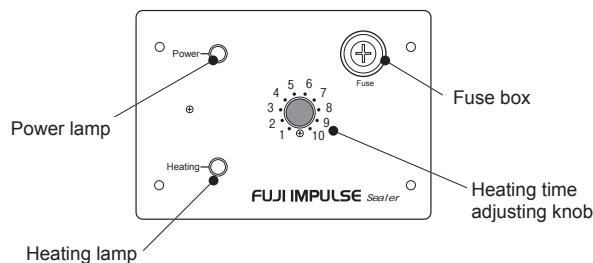
The power lamp for the timer will turn on when the power switch, located on the side of the sealer head (common frame), is pushed on.



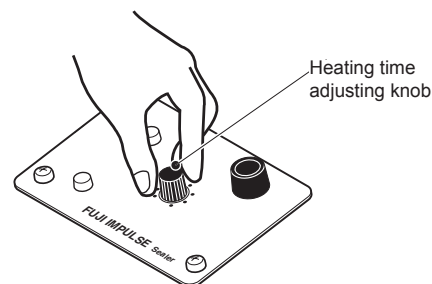
Push to turn ON the power switch


9-5 Setting a sealing condition with the timer

Set the heating time with the timer.
 Lift up the timer cover toward you so you can adjust each setting knob.
 The setting will differ depending on the type or thickness of your packaging material. Change the setting every time you change the packaging material.



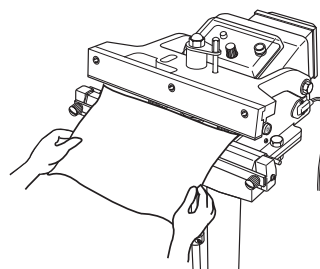
- **Set the heating time**
 Turn the heating time adjusting knob to set the heating time. [Setting range: 0.1 - 1.6 seconds]
 The heating time differs depending on the film/pouch.
 Set the heating time at a minimum required to make a sufficient sealing to increase work productivity and avoid unnecessary power consumption.



 **Warning** There is a danger of fire if the proper cooling cycle is not allowed as explained in “9-7 Depress the foot pedal 3”.

9-6 Place a pouch to the sealing area

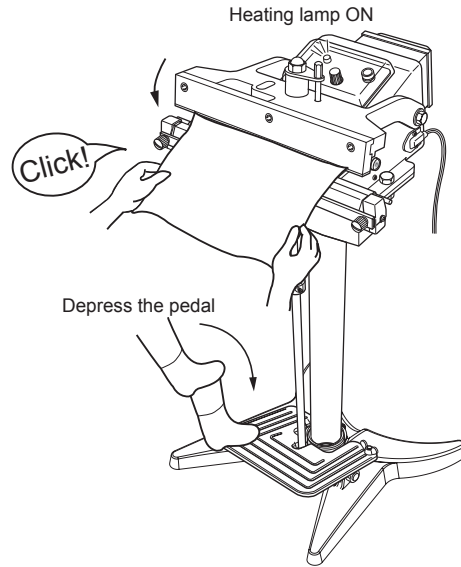
Hold a pouch with both hands and stretch it tight to avoid wrinkles to the sealing surface.



9-7 Depress the foot pedal

Cooling time is important when using an impulse sealer. After the film is heated, the film must cool with the frame and pressure lever in the closed position. After the heating lamp turns off, keep on depressing the pedal for 2 - 3 seconds to let the film be cooled off.

- 1 Depress the foot pedal until you hear the click sound of the microswitch being activated. Heating lamp will turn on and the heating process begins.

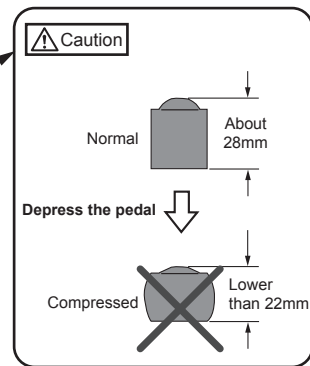


Warning Do not depress the pedal more than necessary as there is a danger of damaging parts such as a microswitch. Make sure not to compress the pressure rubber lower than 22mm in height.

- 2 After passing the heating time, the heating lamp will be turned off.
- 3 Keep on depressing the pedal for 2 - 3 seconds after the heating lamp turned off to allow sufficient cooling time.



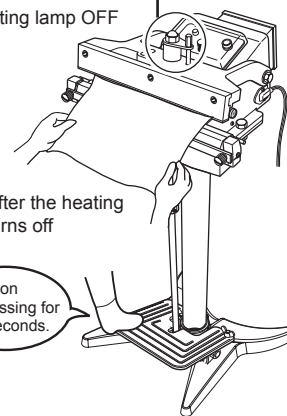
Caution If the cooling time is not enough, the seal will become messy and damage the parts. For the better seals, allow sufficient cool time for each cycle.



Heating lamp OFF

Even after the heating lamp turns off

Keep on depressing for 2-3 seconds.

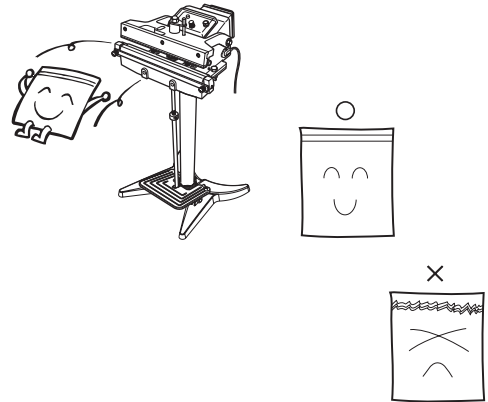


Please find the most suitable condition as you do test sealing.

9-8 Finishing sealing

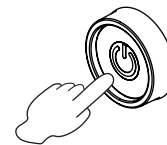
After the heating and cooling cycle has finished, release the foot pedal and the sealing is complete.

If a sealing is not clean enough, adjust the heating time or change the strength to depress the foot pedal.



9-9 Power switch OFF

After finishing operation, always turn OFF the power switch.



Push to turn OFF the power switch

Unplug the power outlet in the case of not using the machine for a while.

9-10 Inspection after operation

After use, please clean up the parts. Inspect parts such as Teflon and heating element to make sure that they are not damaged. If the parts appear to be damaged, replace them referring to operating instructions.

10 Replacing the routine maintenance parts

Daily maintenance or replacement of parts at an early stage can prevent the machine from being damaged, and keeps the machine at the optimum condition. Replace parts according to the following directions in order to maintain your machine in optimum operating condition.



Always unplug the power plug before replacing parts. There is a danger of electrocution if it has been done without unplugging.



Follow the directions on this manual when replacing parts. Replacing parts in the way ignoring this manual could cause malfunction of the machine as well as electrocution and fire.



Always use only specified parts sold through Fuji Impulse. Unspecified parts may cause malfunction of the machine.

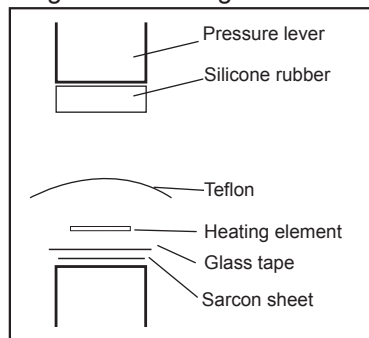


Always unplug the machine before maintenance.

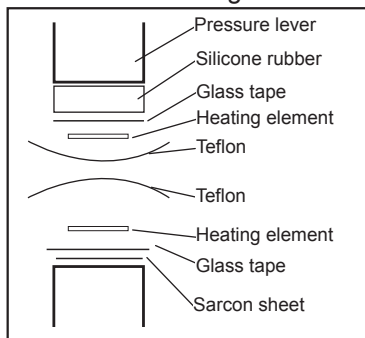
Structure of the sealing section

The sealing section consists of the parts as in the illustration below. When replacing parts, be careful to arrange the parts exactly in the same order.

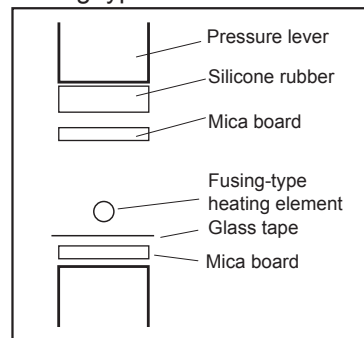
Single side heating



Double side heating



Fusing type



10-1 Preparation

● Before replacing parts

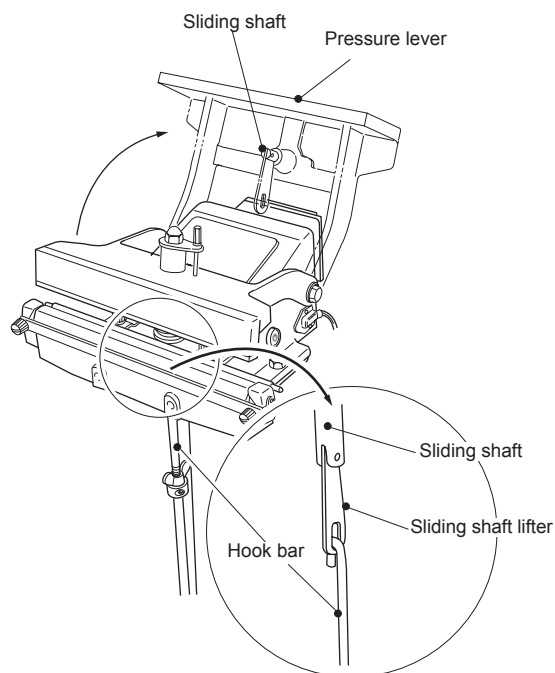
When replacing parts, lift up the pressure lever for easier replacement.

How to lift up the pressure lever

Push down the pressure lever to remove the hook bar from the sliding shaft lifter. Now you can lift up the pressure lever.



When the pressure lever is lifted up, you can activate the microswitch by clicking it with a thin stick, etc. Do not activate the microswitch as it will start heating and may result in fire if the plug is not unplugged.



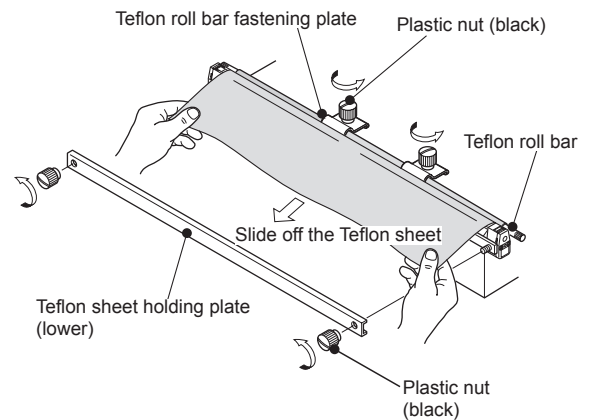
10-2 Sliding the lower Teflon sheet (For all models.)

Essential tools: Scissors, a Philips screwdriver

Replace when: The Teflon, burns, or when the seal becomes messy, etc.

Teflon is either sold individually or included in the maintenance parts kit. It is rolled to the Teflon roll bar about 25 - 30cm as an extra.

- 1 Loosen two black plastic nuts at the front side of the machine to remove the lower Teflon sheet holding plate.
- 2 Loosen two black plastic nuts that fix the Teflon roll bar so it can be moved, and slide the Teflon toward you.
- 3 Cut the damaged part of the Teflon with scissors.
- 4 Insert the edge of the Teflon between the lower Teflon holding plate and Teflon sheet holder support. And then fix the lower Teflon sheet holding plate with black plastic nuts.
- 5 Roll up the Teflon to the Teflon roll bar so it does not wrinkle.
- 6 Tighten the black plastic nuts to secure the Teflon roll bar with Teflon roll bar fastening plates.



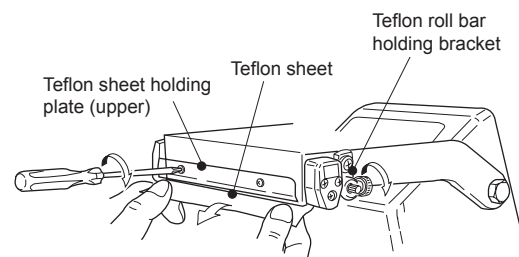
10-3 Sliding the upper Teflon sheet (For Fi/FiK-200, Fi/FiK-300 double side heating models)

Essential tools: Scissors, a Philips screwdriver

Replace when: The Teflon, burns, or when the seal becomes messy, etc.

Teflon is either sold individually or included in the maintenance parts kit. It is rolled to the Teflon roll bar about 25 - 30cm as an extra.

- 1 Loosen the screws that fix the upper Teflon sheet holding plate and slid off the edge of the Teflon.
- 2 Loosen the screws of the Teflon sheet holding brackets so the Teflon roll bar can be moved. Slide the Teflon toward you.
- 3 Cut the damaged part of the Teflon with scissors.
- 4 Insert the edge of the Teflon between the upper Teflon sheet holding plate and pressure lever and tighten the screw loosened at procedure 1 to fix the Teflon edge.
- 5 Roll up the Teflon to the Teflon roll bar so it does not wrinkle.
- 6 Tighten the screws of the Teflon sheet holding brackets to secure the Teflon roll bar.



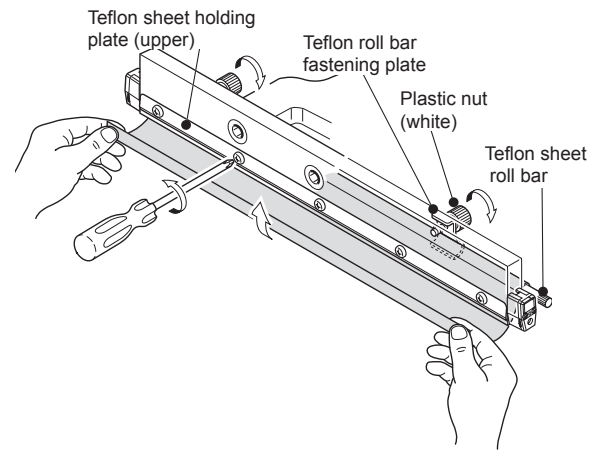
10-4 Sliding the upper Teflon sheet (For Fi/FiK-450, Fi/FiK-600 double side heating models)

Essential tools: Scissors, a Philips screwdriver

Replace when: The Teflon sheet burns, or when the seal becomes messy, etc.

Teflon sheet is either sold individually or included in the maintenance parts kit.

- 1 Loosen the white plastic nuts at the backside of pressure lever so the Teflon sheet roll bar can be moved.
- 2 Loosen the screws that fix the upper Teflon sheet holding plate and slide off the Teflon to the direction of allow.
- 3 Cut the damaged part of the Teflon sheet with scissors.
- 4 Insert the edge of Teflon sheet between the upper Teflon sheet holding plate and pressure lever, and tighten the screws to fix the Teflon sheet holding plate.
- 5 Roll up the Teflon sheet to the roll bar so it does not wrinkle.
- 6 Tighten the white plastic nuts to secure the Teflon sheet roll bar with fastening plates.



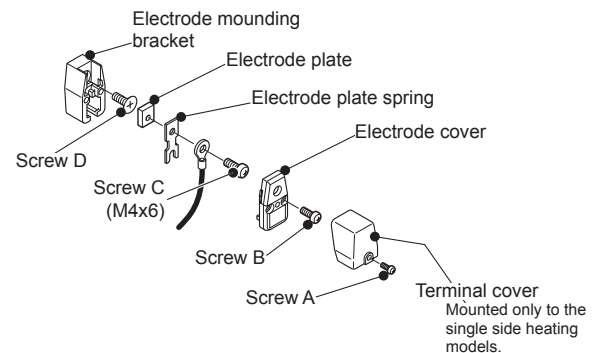
10-5 Replacing the heating element

Electrodes that mount the heating element consist of parts as in the right illustration.

Essential tools: A Philips screwdriver

Replace when: The heating element breaks, unevenness is generated, or when the seal becomes messy.

The heating element is either sold individually or included in the maintenance parts kit.



Warning If you loose the screw C, do not substitute ones longer than the screw C (M4x6) as there is a danger of short circuit by the longer screw touching screw D.



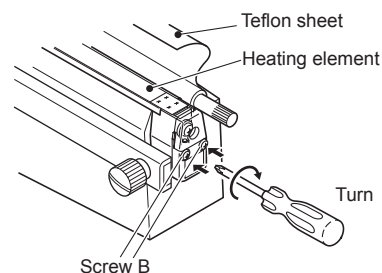
Warning When replacing the heating element, replace the glass tape and Sarcon sheet as well if they appear to be damaged. If they are damaged and cannot properly insulate the heating element from the body frame, the short circuit may result.



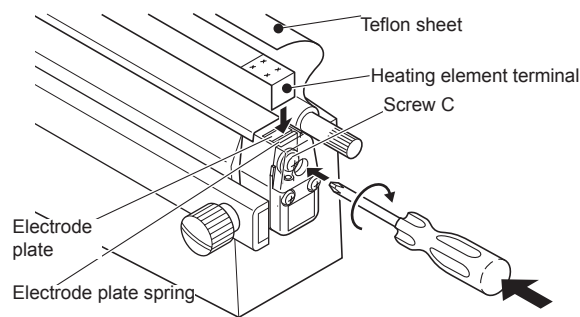
TIPS The heating element can be replaced without removing the electrode cover so you will not loose the cover or screw.

• How to replace lower heating element

- 1 Remove the Teflon sheet. (Refer to “10-2 Sliding the lower Teflon sheet.”)
- 2 Loosen the screw A of both electrodes with a Philips screwdriver, and remove the terminal covers. (The illustration on the right describes the electrode without the terminal cover.)
- 3 Loosen screw B of both electrodes to loosen the tension of the heating element. (It is not necessary to remove the electrode covers.)
- 4 Insert a Philips screwdriver into the hole of the electrode cover and loosen screw C. The heating element can be removed.
- 5 When mounting the new heating element, insert each terminal between the electrode plate and electrode plate spring. While pushing down the terminal with your fingers so it stays in place, tighten the screw C with a Philips screwdriver.
- 6 Tighten the screw B loosened at the procedure 3 so the heating element is stretched tight. (When the screw B is not tightened enough, the heating element will not be stretched tight enough, which may result in damaging the heating element.)
- 7 Fix the terminal covers to the electrodes with screw A.



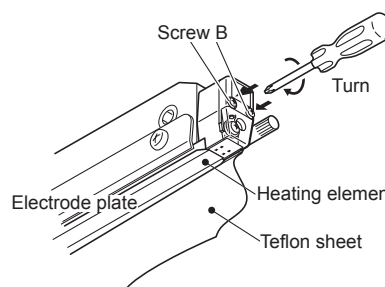
Without loosening the screw B, the heating element will be kept stretched tight. Thus the heating element terminal cannot be inserted between the electrode plate and plate spring.



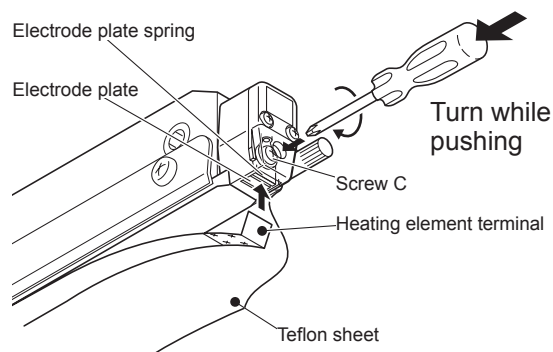
Turn while pushing

• How to replace upper heating element

- 1 Remove the Teflon sheet. (Refer to “10-3 Sliding the upper Teflon sheet.”)
- 2 Loosen the screw B of both electrodes to loosen the tension of the heating element. (It is not necessary to remove the electrode covers.)
- 3 Insert a Philips screwdriver into the hole of the electrode cover and loosen screw C. The heating element can be removed.
- 4 When mounting a new heating element, insert each terminal between the electrode plate and electrode plate spring. While pushing down the terminal with your fingers so it stays in place, tighten screw C with a Philips screwdriver.
- 5 Tighten the screw B loosened at the procedure 2 so the heating element is stretched tight. (When the screw B is not tightened enough, the heating element will not be stretched tight enough, which may result in damaging the heating element.)



Without loosening the screw B, the heating element will be kept stretched tight. Thus the heating element terminal cannot be inserted between the electrode plate and plate spring.



Turn while pushing

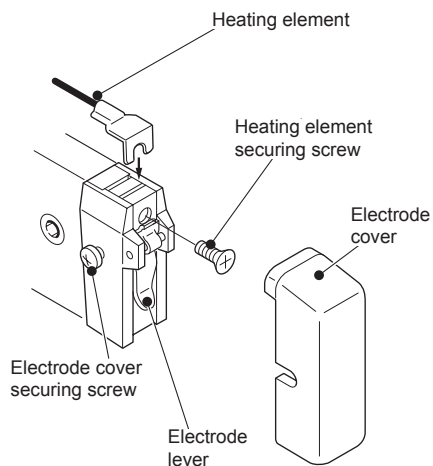
- How to replace fusing type heating element
(For Fi, FiK-600 fusing types)

Essential tools: A Philips screwdriver

Replace when: The heating element breaks, unevenness is generated, or it does not cut the film well.

The fusing type heating element is sold individually.

- 1 Using a Philips screwdriver, loosen the screw (front) on the side of the electrode cover to remove the electrode cover.
- 2 Lift the electrode lever upward to loosen the tension of the heating element.
- 3 Loosen the screw that secures the heating element with a Philips screwdriver.
- 4 With the electrode lever still lifted upward, insert the heating element into the electrode groove. Make sure that the heating element stays in place with the electrode as you securely tighten the screw to keep the heating element in place.
- 5 After securely fixing the heating element to the electrodes, return the electrode lever to the initial position to stretch the heating element tight.
- 6 Reattach the electrode covers removed at procedure 1.



For safety, always attach the electrode cover after replacing the heating element.

10-6 Replacing the glass tape and Sarcon sheet

Essential tools: Scissors, A Philips screwdriver

Replace when: The heating element breaks often, the seal becomes messy, etc.

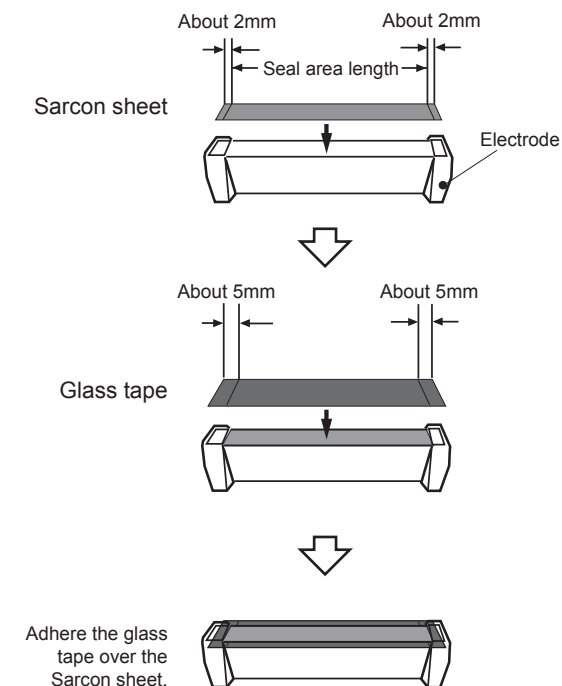
The glass tape and Sarcon sheet are either sold individually or included in the maintenance parts kit.

- 1 Carefully read the respective replacement instructions on the Teflon sheet and heating element and remove them from the sealing area.
- 2 Completely remove the glass tape and Sarcon sheet.

Attention! Applying the Sarcon sheet and glass tape to a surface with adhesive residues will negatively affect the sealing surface.

- 3 Cut the new Sarcon sheet 2mm longer than the seal area for left and right sides and adhere it to the lever.
- 4 Adhere the glass tape over the Sarcon sheet so it covers the electrode about 5mm.

Attention! If the adhesive of the Sarcon sheet is weak when replacing the glass tape, please replace the Sarcon sheet as well.



10-7 Replacing the silicone rubber

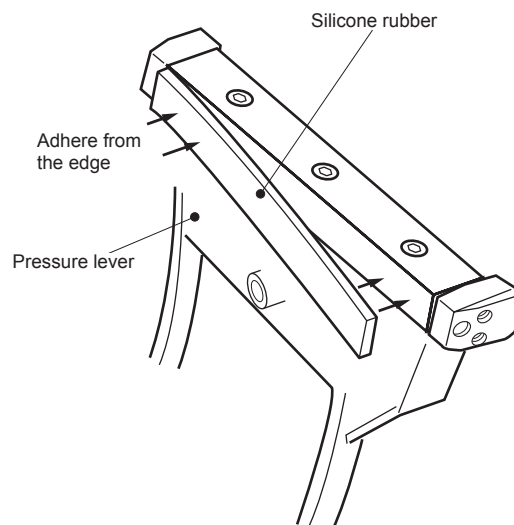
Essential tools: Industrial-purpose alcohol (Ethanol)

Replace when: The seal becomes messy, etc.

The silicone rubber is either sold individually or included in the maintenance parts kit.

- 1 Remove the damaged (old) silicone rubber.
- 2 Using an industrial purpose alcohol, etc., completely remove the adhesive residues remaining on the metal portion of the pressure lever.
- 3 Adhere the new silicone rubber starting from the edge.


Attention! Adhere the silicone rubber carefully as it cannot be reapplied.



10-8 Replacing the microswitch

Essential tools: A Philips screwdriver

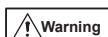
The microswitch is sold individually.

 **Warning** Always unplug the power cord from the outlet when replacing the microswitch.


- 1 Referring to “10 Replacing the routine maintenance parts >>> 10-1 Preparation,” lift up the pressure lever.
- 2 Loosen the screws that fix the microswitch case to the common frame, and remove the microswitch case.
- 3 Next, loosen the screws that fix the microswitch, and remove it from the microswitch case.
- 4 Remove all of the cables.

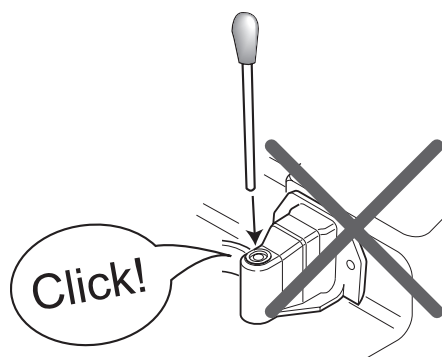
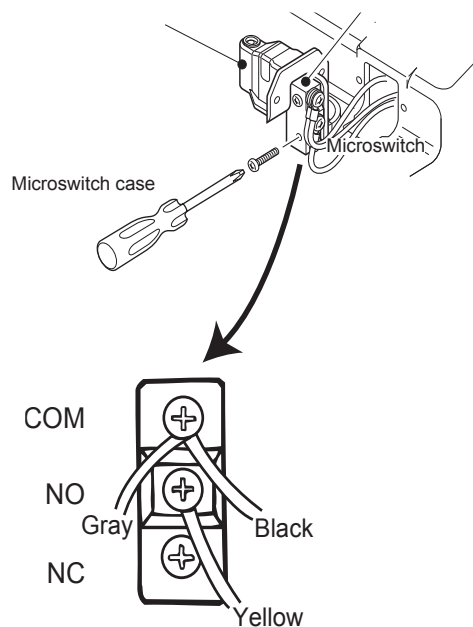
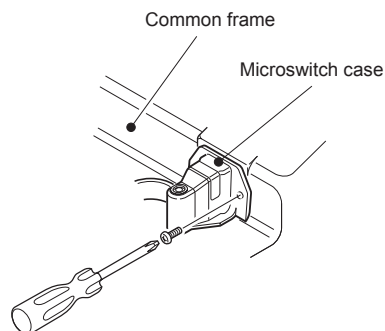
Installation

- 5 When reattaching the microswitch, wire properly referring to “15 Electric diagram.” If the wiring is not correct, the timer may be damaged.

 **Warning** If the wiring of the microswitch is not correct, the timer may be damaged. Regarding the triac connection, the label is adhered to the timer.

- 6 Attach the microswitch to the microswitch case removed at the procedure **3** using the screws. Please refer to the illustration on the right for how to install to the microswitch case.
- 7 Attach the microswitch case to the common frame.
- 8 Return the pressure lever etc. removed at the procedure **1** to the initial state.

 **Warning** If you activate the microswitch by pushing it with a thin object, it may bring the heat to the heating element and there is a danger of burning or fire.

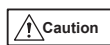


11 Adjusting each parts

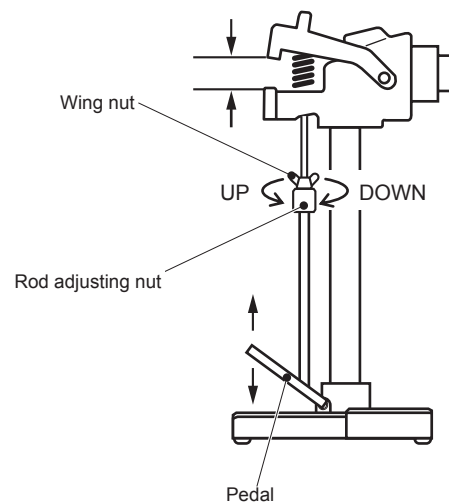
11-1 Adjusting the height of foot pedal

Adjust the pedal height (angle) by turning the rod adjusting nut.

- 1 Loosen the wing nut on the rod adjusting nut.
- 2 The pedal will go down when the rod adjusting nut is tuned counterclockwise.
- 3 The pedal will rise when the rod adjusting nut is turned clockwise.
- 4 After finishing the adjustment, tighten the wing nut to fix the rod adjusting nut.

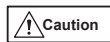


If the rod adjusting nut is turned too much, the microswitch will not be activated or the sealer may fall when depressing the pedal. Please do not turn the rod adjusting nut too much.



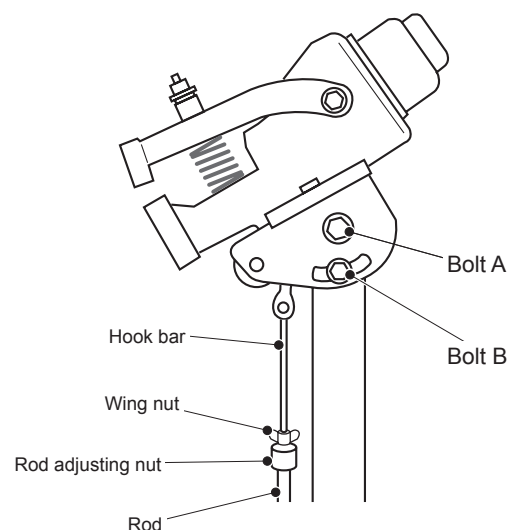
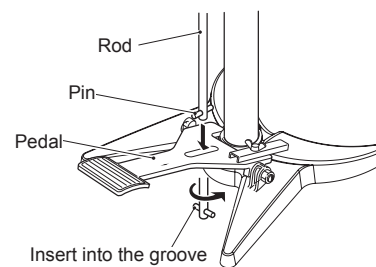
11-2 Adjust the head angle of FiK series

- 1 Remove the rod lower edge from the pedal.
- 2 Loosen the bolts A and B in the right illustration with the attached spanner.



When the bolts A and B are loosened to the full, the sealer head descends abruptly. Please be careful as it will be extremely dangerous.

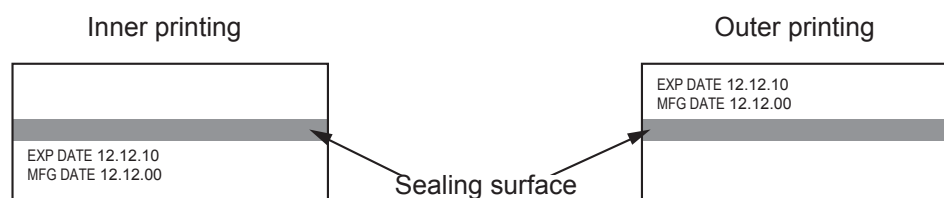
- 3 Now you can move the sealer head. Fix it at the optimum angle by tightening the bolts A and B.
- 4 Loosen the wing nut, and adjust the length of the hook bar by turning the rod adjusting nut.
- 5 After finishing the adjustment, make sure to tighten the wing nut to secure the rod adjusting nut.
- 6 Insert the lower edge of the rod to the groove of the pedal. Now the setting is complete.



12 About the optional hot stamp printer

- Optional hot stamp printer can be installed to the Fi and FiK series of sealers.
- Manufacturing date and lot number etc. can be printed at the same time as sealing.
- FEP-N2 series is interchangeable between 1 line and 2 line printing device by changing the setting.
- There are two types for FEP-N2 series: One is inner printing type that prints below the sealing surface, and the other is outer printing type that prints above the sealing surface.

Models	Inner Printer	Outer Printer
Fi(FiK)-200-10	FEP-N2	×
Fi(FiK)-200-10W (D)	FEP-N2	×
Fi(FiK)-300,Fi(FiK)-300 fusing type, Fi(FiK)-300-10	FEP-N2	FEP-OS-N2
Fi(FiK)-300-5W,Fi(FiK)-300-10W (D)	FEP-N2	×
FiK-450-2,FiK-450-5,FiK-450 fusing type, FiK-450-10	FEP-N2	FEP-OS-N2
FiK-450-5W,FiK-450-10W (D)	FEP-N2	×
Fi(FiK)-600-2,Fi(FiK)-600-5,Fi(FiK)-600 fusing type,Fi(FiK)-600-10	FEP-N2	FEP-OS-N2
Fi(FiK)-600-5W,Fi(FiK)-600-10W (D)	FEP-N2	×



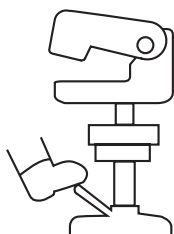
13 About the optional clamping retaining device PK-101

PK-101 can be installed to precisely even out the sealing finish and to effectively resolve the problem of user fatigue from operating the pedal by foot.

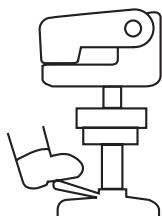
The user can set the cooling time (i.e., clamping retention time) and the pressure on film that have a major effect on the impulse sealer's sealing finish. These cannot be set using the timer on the sealer. Please noted that PK-101 cannot install to the FiK series of sealers. For the installment method, please refer to the PK-101 operating instructions.

How to operate PK-101

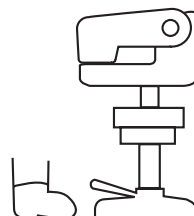
- 1 Lightly depress the pedal.
- 2 A solenoid works automatically to retain the pressure.
- 3 After heating, the PK-101 retains the pressure during the set cooling time. It is not necessary to keep on depressing the pedal.
- 4 After finishing cooling, the pressure is automatically released and the lever returns to the initial position.



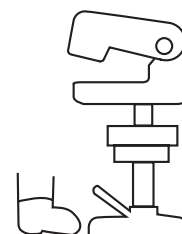
1 Depress the pedal.



2 Retains the pressure.



3 During heating and cooling process.



4 Sealing is complete. the lever returns to the initial position.

14 Common problems and solutions

If you are experiencing problems with the machine, please refer to the chart below.

Carefully follow the directions in the operating instructions when replacing parts.

Please consult your dealer or Fuji Impulse if after referring to the chart, the problem cannot be resolved.

Please refer any questions regarding replacement of parts not listed in the operating instructions or adjustment of such parts to your dealer or Fuji Impulse.

Items marked with an asterisk * in the “Solutions” column refer to the fact that these problems should be addressed by an electrician. If there are any problems, please contact your dealer or Fuji Impulse.

 Always unplug the power plug before replacing parts.

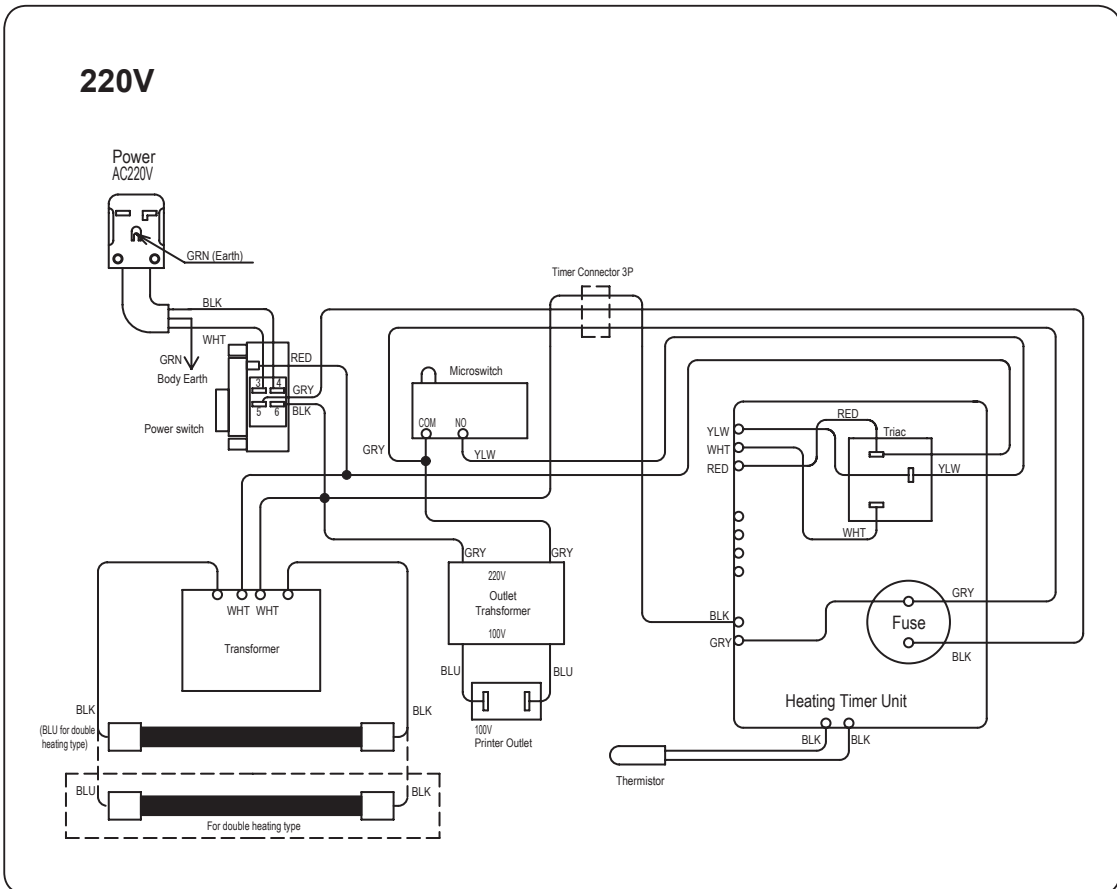
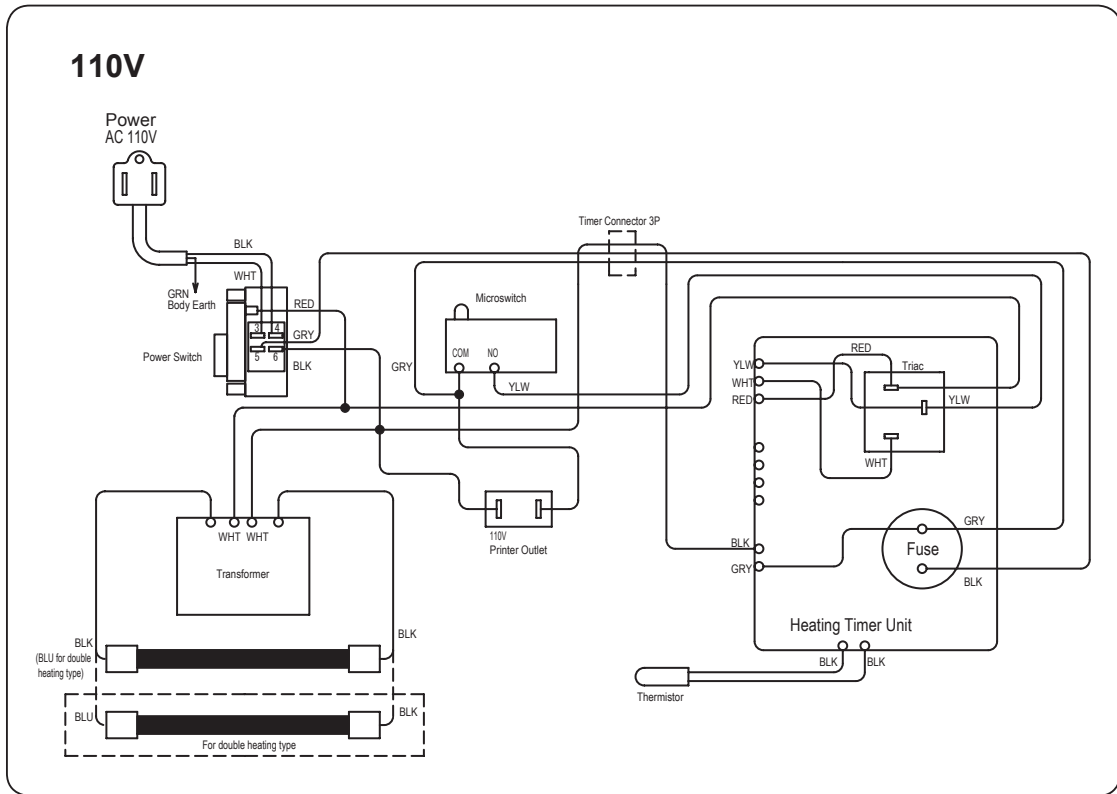
Problems	Check	Solutions
The heating lamp does not turn on even after turning ON the power switch.	Does the electricity come to the outlet?	Make sure that the electricity comes to the outlet.
	Is the power plug fully plugged in?	Insert the power plug fully to the outlet.
	Is the power plug damaged?	*Replace the power cord or power plug.
	Is the power cord disconnected?	
	Is the fuse inside the timer box blown?	Replace the fuse.
The power lamp turns ON, but the heating lamp does not turn on and sealing cannot be made even though depressing the pedal.	The foot pedal is not depressed enough.	Depress the foot pedal until you hear the click sound of the microswitch being activated.
	Is the rod adjusting nut turned to the direction of "DOWN" too much to activate the microswitch?	Turn the rod adjusting nut to the direction of "up." (Refer to "11-1 Adjust the pedal height.")
	-----	*The microswitch may be damaged. Replace the microswitch.
The heating lamp turns on, but there is no heat and sealing cannot be made.	Is the heating element severed?	Replace the heating element.
	The electrical contact of the electrode and heating element is bad.	Polish the part that the electrode and heating element contact with the sandpaper.
	Is the black (blue) cable from the transformer to the electrode securely wired?	*Securely wire the black (blue) cable from the transformer to the electrode.
	-----	*The triac inside the timer may be broken. Replacement is required.

Solutions marked with an asterisk * mark should be addressed by electrician or experts in replacing electric parts. If you have any troubles in solving the problems, please contact with your local dealer or Fuji Impulse.

Problems	Check	Solutions
Heating element easily breaks.	Is the heating time set too long?	Set the heating time at a minimum required to make a sufficient seal.
	Do you release the foot pedal while the heating lamp is on or soon after it turns off? (Cooling time is not enough.)	Release the foot pedal after 2 - 3 seconds after the heating lamp is turned off.
	Are the glass tape or Sarcon sheet damaged?	Replace the glass tape or Sarcon sheet.
Heating element bends at the center and breaks.	Is the electrode damaged?	*Replace the electrode.
	Are you depressing the foot pedal too hard?	Lower the power to depress the foot pedal.
	Does the silicone become rubber uneven?	Replace the silicone rubber.
Sealing is not clean.	Have the pressure lever and seal frame become hot? (As the temperature of pressure lever and frame rises, the film may melt without changing the heating time.)	Wait until the pressure lever and frame being cooled off, and take enough operation interval.
	Are the Teflon, glass tape, Sarcon sheet and silicone rubber damaged?	Replace the Teflon, glass tape, Sarcon sheet and silicone rubber.
	Do you release the foot pedal while the heating lamp is on or soon after it turns off? (Cooling time is not enough.)	Release the foot pedal after 2 - 3 seconds after the heating lamp is turned off.
Sealing results in uneven on right and left side. (Melts on one side.)	The surface of the silicone rubber is uneven.	Replace the silicone rubber.
	When depressing the pedal fully, do you recognize a gap between the pressure lever and seal frame?	If you do, please contact your local dealer or Fuji Impulse as the machine needs to be repaired.
Heating lamp continues to be turned on and the heating element and Teflon burn.	-----	*The timer or power switch may be damaged and replacement is required.

Solutions marked with an asterisk * mark should be addressed by electrician or experts in replacing electric parts. If you have any troubles in solving the problems, please contact with your local dealer or Fuji Impulse.

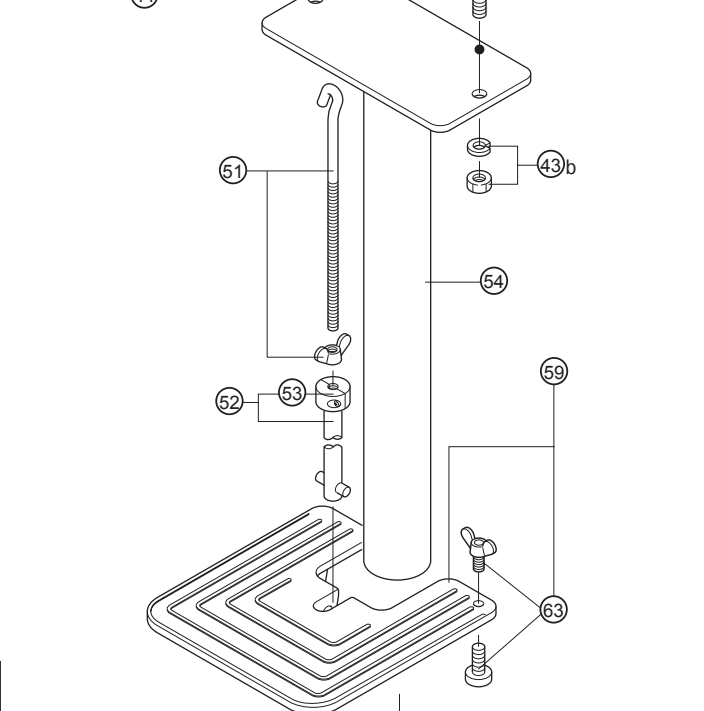
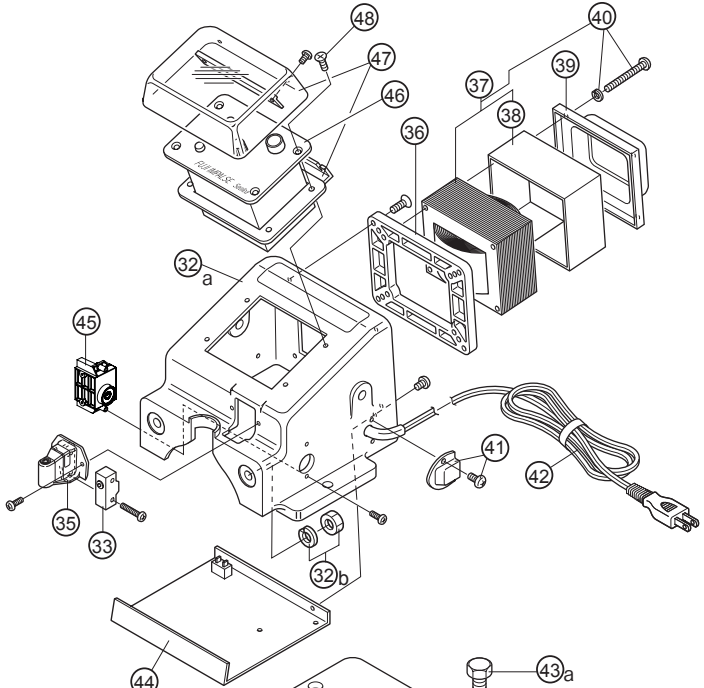
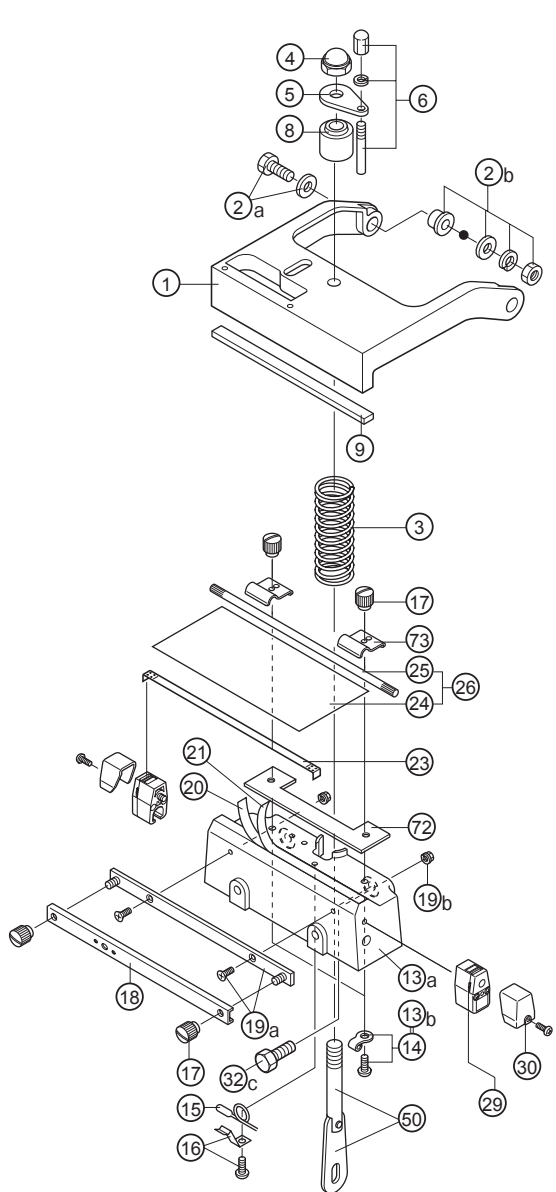
15 Electric diagram



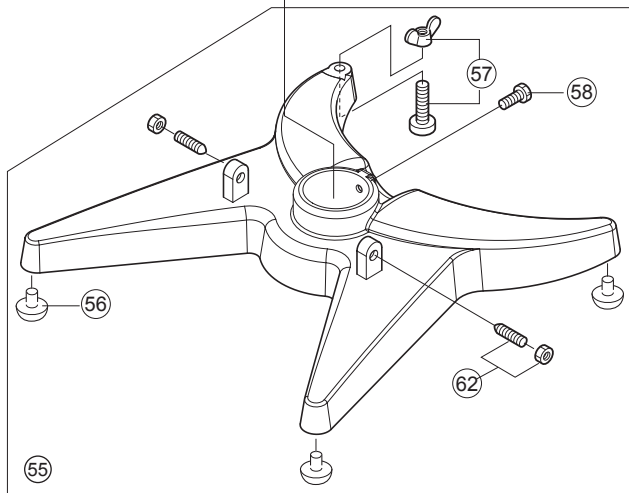
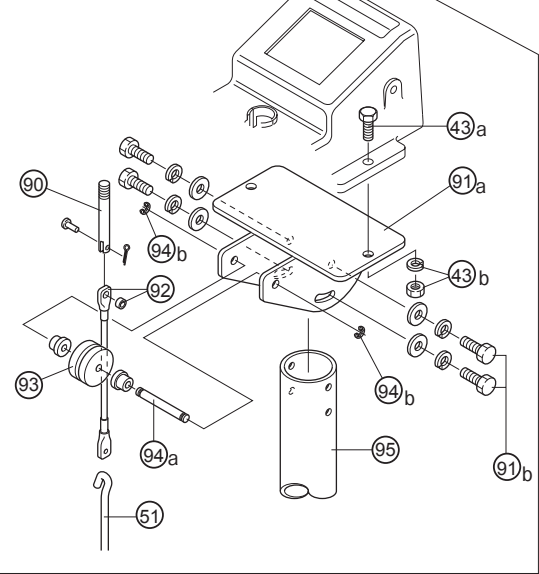
Refer to the exploded view and spare parts list for the electric parts.

Exploded View Spare Parts list

When ordering spare parts, please consult the exploded view diagram/spare parts list on the following pages and provide both the part name and code number to your local dealer.



Special parts for FiK series



Fi(FiK)-200-10 Spare Parts List

**F type
Fi-200-10**

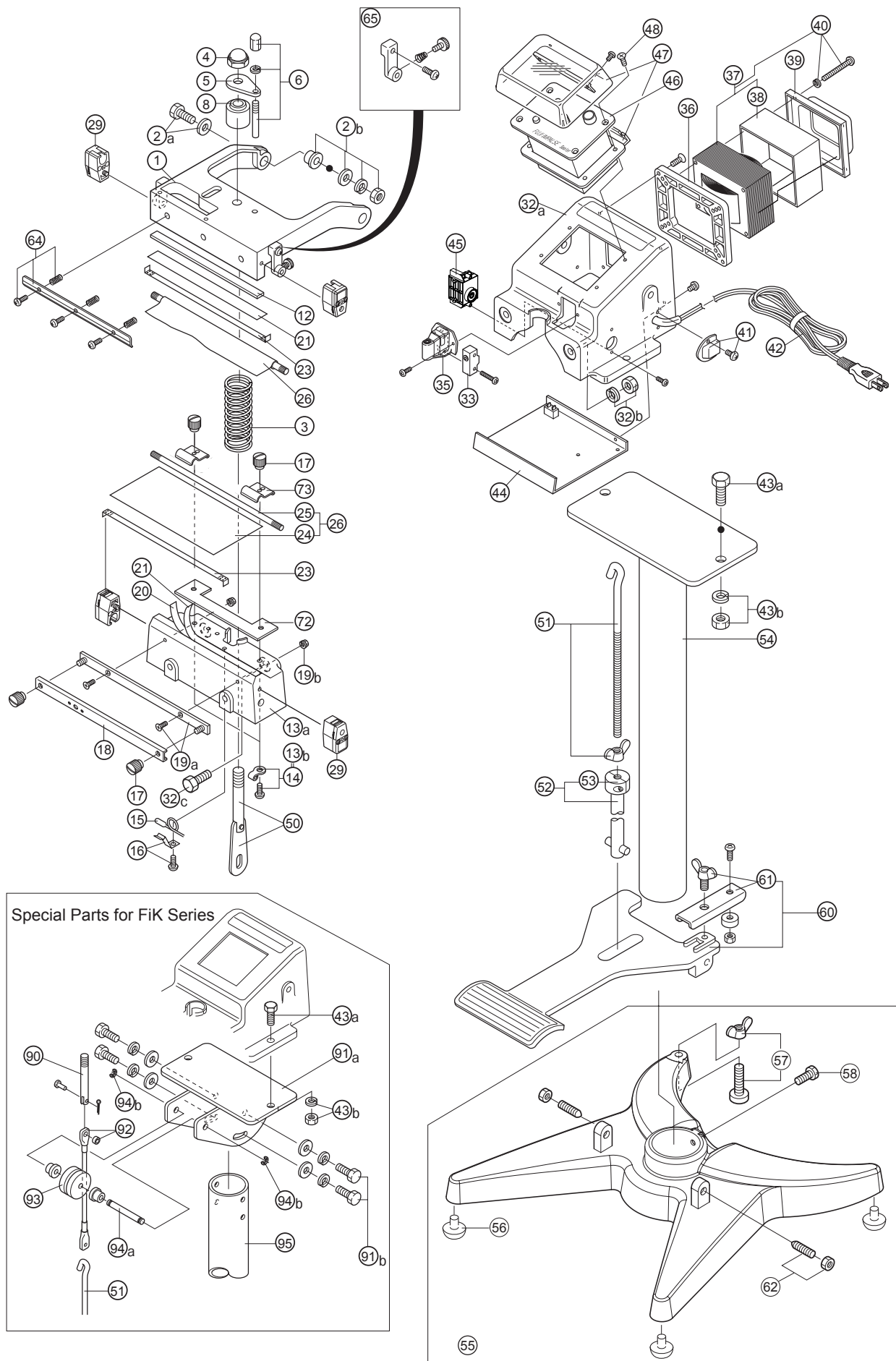
**F type
FiK-200-10**

- Specify the part number and product name when ordering.
- The parts with # mark are common parts with Fi and FiK series.

Parts	Code No.	Parts name	Sales unit
①	33010	Pressure lever	1 pc.
②	a,b 30020	# Lever fastening bolt (with nut, washers)	2 pcs./set
③	30040	Large pressure spring	1 pc.
④	30055	# Cap nut 12mm	1 pc.
⑤	30060	# Small lever	1 pc.
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set
⑧	30081	# Pressure rubber	1 pc.
⑨	33230B	Silicone rubber	2 pcs./set
⑬	a,b 33031B	Seal frame (with Teflon sheet holding screw)	1 pc.
⑭	30181	Teflon sheet holding screw (with lead wire holder)	2 pcs./set
⑮	30035	# Thermistor	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.
⑰	30171	# Plastic nut (black) 6mm	5 pcs./set
⑱	33210	Teflon sheet holding plate (lower)	1 pc.
⑲	a,b 33200	Teflon sheet holder support (with screw, nut)	1 pc.
⑳	33005	Sarcon sheet	2 pcs./set
㉑	39434	# Glass tape 25mm width x 5M roll	1 roll
	39435	# Glass tape 25mm width x 10M roll	1 roll
㉓	33240	Heating element (L-shaped terminal)	20 pcs./set
	59016	Heating element (L-shaped terminal)	10 pcs./set
㉔	33192	Teflon sheet	2 pcs./set
㉕	33193	Teflon sheet roll bar	2 pcs./set
㉖	33191	Teflon sheet with roll bar	2 pcs./set
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.
㉙	421700B	H-type electrode	2 pcs./set
㉚	421702B	Terminal cover (with Screw)	2 pcs./set
㉛	a,b,c 30032B	Common Frame (S)	1 pc.
㉜	39141B	# Microswitch	1 pc.
㉝	39142	# Microswitch case	1 set
㉞	30530	Transformer mounting frame	1 pc.
㉟	-----	Transformer (with core cover)	1 pc.
㊱	27350	Transformer core cover	1 pc.

Parts	Code No.	Parts name	Sales unit
㉚	30130	Transformer cover	1 pc.
㉛	33131	Transformer fastening screw (with S washer)	4 pcs./set
㉜	30275	# Seal plate (with screw)	1 pc.
㉝	-----	Power cord (with rubber bush)	1 pc.
㉞	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
㉟	39494B	# Bottom cover (with outlet)	1 pc.
㊱	-----	Power switch	1 pc.
㊲	-----	Fi 8 timer	1 pc.
-	29115	# Fuse 15A	1 pc.
㊴	29400	# Timer cover (with rubber packing)	1 pc.
㊵	30150	# FI Timer Mounting Screws	4 pcs./set
㊶	30090B	# FI Sliding shaft (with lifter)	1 pc.
㊷	30290	Hook bar	1 pc.
㊸	30281	# Rod (with nut)	1 pc.
㊹	30282	# Rod adjusting nut	1 pc.
㊺	30260B	Support pipe	1 pc.
㊻	33311C	# Stand base	1 pc.
㊼	30340	# Rubber feet	3 pcs./set
㊽	30300	# Rubber feet with bolt (with wing nut)	1 pc.
㊾	30580	# Support pipe set bolt	1 pc.
㊿	30330B	Pedal (A) (with stopper)	1 pc.
㉑	30320	# Pedal mounting bolt (with nut)	2 pcs./set
㉒	30302B	Pedal (A) stopper	1 pc.
㉓	39111	FiK sliding shaft (with lifter)	1 pc.
㉔	a,b 39110	FiK movable table	1 pc.
㉕	39120	FiK wire	1 pc.
㉖	39121	FiK wire wheel	1 pc.
㉗	a,b 39122	FiK wire wheel bolt	1 pc.
㉘	39115	FiK support pipe	1 pc.
㉙	30290	FiK hook bar	1 pc.

*Pressure lever complete set/ Code 33018C for single heating type consists of numbers ①, ②, ④ - ⑩, ⑤⑩.



Fi(FiK)-300 S series Exploded View

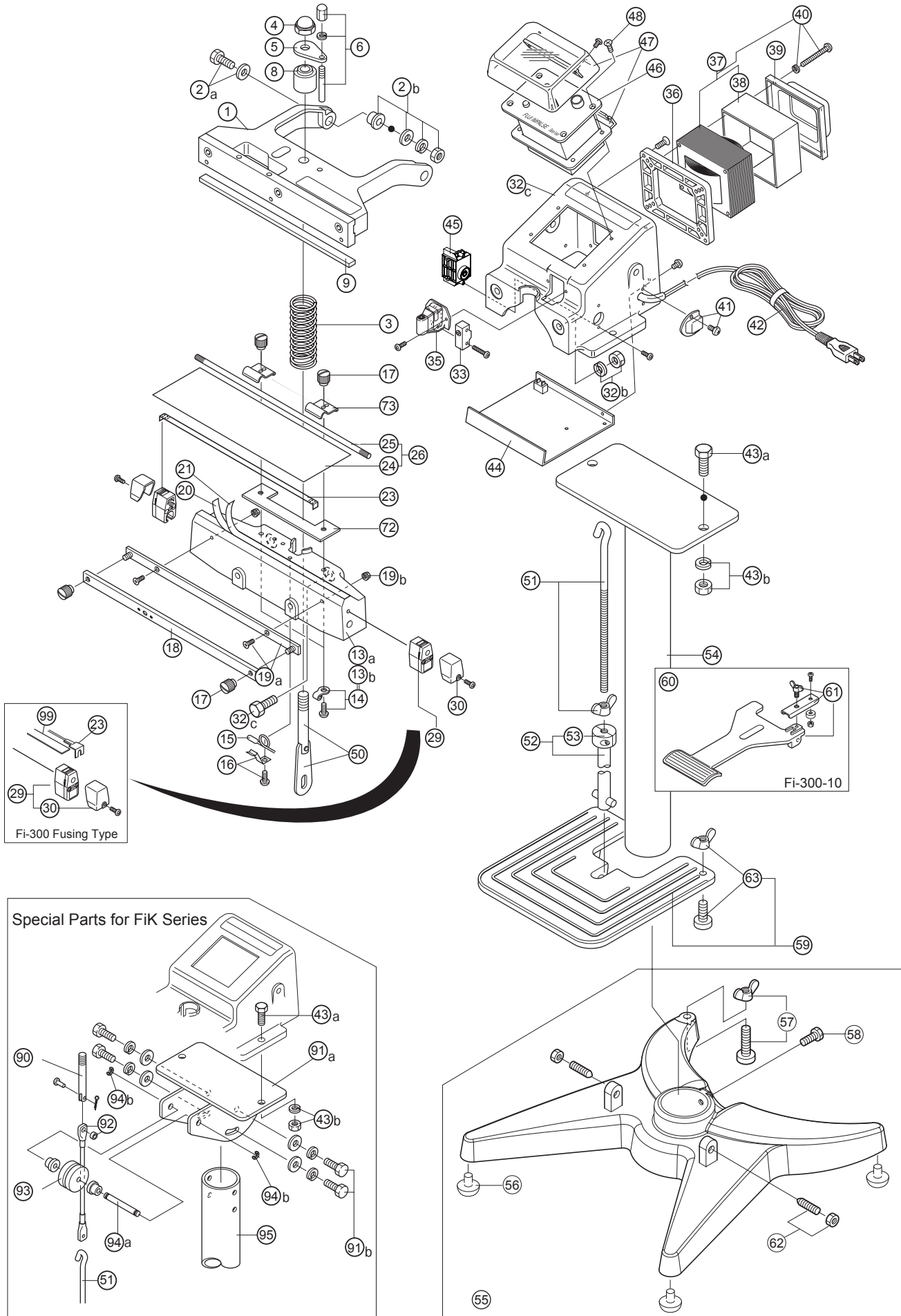
F type
Fi-300

F type
FiK-300

F type
Fi-300-10

F type
FiK-300-10

F type
Fi-300 fusing type



Fi(FiK)-300 S series Spare Parts List

**F type
Fi-300**

**F type
FiK-300**

**F type
Fi-300-10**

**F type
FiK-300-10**

**F type
Fi-300 fusing type**

- Specify the part number and product name when ordering.
- The parts with # mark are common parts with Fi and FiK series.

- For the code numbers with square such as 1 2, please refer to the table at the bottom of the page.

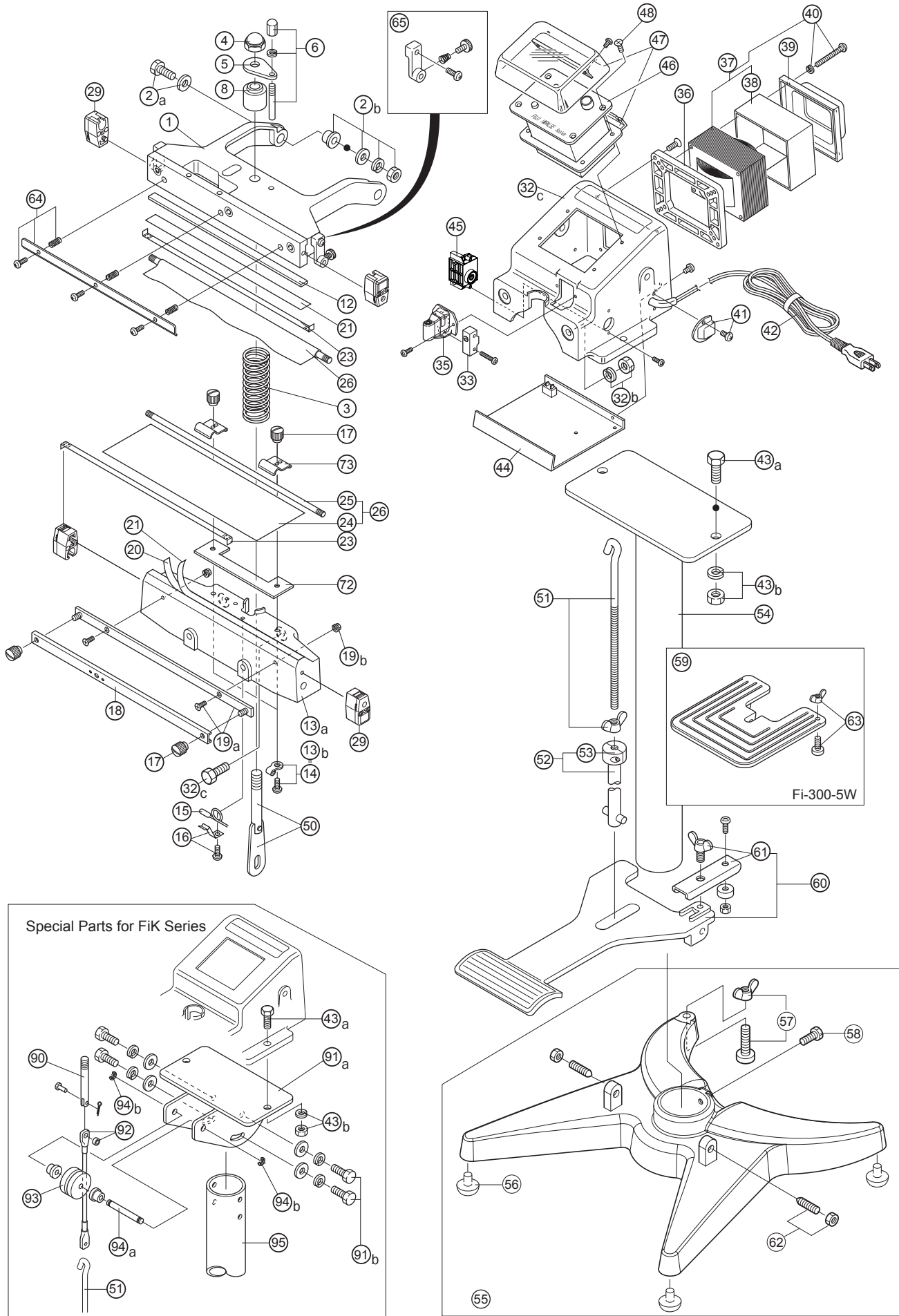
Parts	Code No.	Parts name	Sales unit
①	30010	Pressure lever	1 pc.
②	a,b 30020	Lever fastening bolt (with nut, washers)	2 pcs./set
③	30040	Large pressure spring	1 pc.
④	30055	# Cap nut 12mm	1 pc.
⑤	30060	# Small lever	1 pc.
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set
⑧	30081	# Pressure rubber	1 pc.
⑨	3	Silicone rubber	2 pcs./set
⑬	a,b 30031B	Seal frame (with Teflon sheet holding screw)	1 pc.
⑭	30181	Teflon sheet holding screw (with lead wire holder)	2 pcs./set
⑮	30035	# Thermistor	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.
⑰	30171	# Plastic nut (black) 6mm	5 pcs./set
⑱	30210	Teflon sheet holding plate (lower)	1 pc.
⑲	a,b 30200	Teflon sheet holder support (with screw, nut)	1 pc.
⑳	30005	Sarcon sheet	2 pcs./set
㉑	39434	# Glass tape 25mm width x 5M roll	1 pc.
	39435	# Glass tape 25mm width x 10M roll	1 pc.
㉓	7	Heating element (L-shaped terminal)	1 set
㉔	30192	Teflon sheet	2 pcs./set
㉕	30193	Teflon sheet roll bar	2 pcs./set
㉖	30191	Teflon sheet with roll bar	2 pcs./set
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.
㉙	421700B	H-type electrode	2 pcs./set
㉚	421702B	Terminal cover (with screw)	2 pcs./set
㉛	a,b,c 30032B	Common frame (S)	1 pc.
㉜	39141B	# Microswitch	1 pc.
㉝	39142	# Microswitch case	1 set
㉞	30530	Transformer mounting frame	1 pc.
㉟	12	Transformer (with core cover)	1 pc.
㊱	13	Transformer core cover	1 pc.

Parts	Code No.	Parts name	Sales unit
㊲	14	Transformer cover	1 pc.
㊳	15	Transformer fastening screw (with S washer)	4 pcs./set
㊴	30275	# Seal plate (with screw)	1 pc.
㊵	16	Power cord (with rubber bush)	1 pc.
㊶	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
㊷	39494B	# Bottom cover (with outlet)	1 pc.
㊸	-----	Power switch	1 pc.
㊹	-----	Fi 8 timer	1 pc.
-	29115	# Fuse 15A	1 pc.
㊻	29400	# Timer cover (with rubber packing)	1 pc.
㊼	30150	# FI Timer Mounting Screws	4 pcs./set
㊽	30090B	# FI Sliding shaft (with lifter)	1 pc.
㊾	30290	Hook bar	1 pc.
㊿	30281	# Rod (with nut)	1 pc.
①	30282	# Rod adjusting nut	1 pc.
②	30260B	Support pipe	1 pc.
③	33311C	# Stand base	1 pc.
④	30340	# Rubber feet	3 pcs./set
⑤	30300	# Rubber feet with bolt (with wing nut)	1 pc.
⑥	30580	# Support pipe set bolt	1 pc.
⑦	20	Pedal (A) (with stopper)	1 pc.
⑧	21	Pedal (B) (with stopper, wing nut)	1 pc.
⑨	22	Pedal (B) stopper	1 pc.
⑩	30320	# Pedal mounting bolt (with nut)	2 pcs./set
⑪	23	Pedal (A) stopper	1 pc.
⑫	39111	FiK sliding shaft (with lifter)	1 pc.
⑬	a,b 39110	FiK movable table	1 pc.
⑭	39120	FiK wire	1 pc.
⑮	39121	FiK wire wheel	1 pc.
⑯	a,b 39122	FiK wire wheel bolt	1 pc.
⑰	39115	FiK support pipe	1 pc.
⑱	30290	FiK hook bar	1 pc.
⑲	27	Mica board	2 pcs./set

*Pressure lever complete set/ Code 26 for single heating type consists of numbers ①, ②, ④ - ⑩, ⑤⑩.

Special Parts List

Code	Parts name	Fi(FiK)-300	Fi(FiK)-300-10	Fi(FiK)-300 fusing type
3	Silicone rubber	30230B	34230B	30230B
7	Heating element (20pcs/set)	30247 (2mm)	34240	30243B
		30246 (5mm)		
	Heating element (10pcs/set)	59020 (2mm)	59024	59025B
		59022 (5mm)		
12	Transformer	-	-	-
13	Transformer core cover	27350	32250	27350
14	Transformer cover	30130	34130	30130
15	Transformer fastening screw	30131	34132	30131
16	Power cord	-	-	-
20	Pedal (A) (with stopper)	30330B	-	30330B
21	Pedal (B) (with stopper, wing nut)	-	30331	-
22	Pedal (B) Stopper	-	30301C	-
23	Pedal (A) Stopper	30302	-	30302
26	Pressure lever complete set	30015C	34410C	30015C
27	Mica board	-	-	39204



Fi(FiK)-300 W(D) series Spare Parts List

E type
Fi-300-5W

E type
FiK-300-5W

E type
Fi-300-10W

E type
FiK-300-10W

• Specify the part number and product name when ordering.

• For the code numbers with square such as 1 2, please

• The parts with # mark are common parts with Fi and FiK series.

refer to the table at the bottom of the page.

Parts	Code No.	Parts name	Sales unit	Parts	Code No.	Parts name	Sales unit
①	30013B	Pressure lever	1 pc.	③9	14	Transformer cover	1 pc.
②	a,b 30020	Lever fastening bolt (with nut, washers)	2 pcs./set	④0	15	Transformer fastening screw (with S washer)	4 pcs./set
③	27040	Large pressure spring	1 pc.	④1	30275	# Seal plate (with screw)	1 pc.
④	30055	# Cap nut 12mm	1 pc.	④2	16	Power cord (with rubber bush)	1 pc.
⑤	30060	# Small lever	1 pc.	④3	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set	④4	39494B	# Bottom cover (with outlet)	1 pc.
				④5	----	Power switch	1 pc.
⑧	30081	# Pressure rubber	1 pc.	④6	----	Fi 8 timer	1 pc.
				-	29115	# Fuse 15A	1 pc.
				④7	29400	# Timer cover (with rubber packing)	1 pc.
				④8	30150	# FI Timer Mounting Screws	4 pcs./set
⑫	22302	Silicone rubber (white)	2 pcs./set	⑤0	30090B	# FI Sliding shaft (with lifter)	1 pc.
⑬	a,b 30031B	Seal frame (with Teflon sheet holding screw)	1 pc.	⑤1	30290	Hook bar	1 pc.
⑭	30181	Teflon sheet holding screw (with lead wire holder)	2 pcs./set	⑤2	30281	# Rod (with nut)	1 pc.
⑮	30035	# Thermistor	1 pc.	⑤3	30282	# Rod adjusting nut	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.	⑤4	30260B	Support pipe	1 pc.
⑰	30171	# Plastic nut (black) 6mm	5 pcs./set	⑤5	33311C	# Stand base	1 pc.
⑱	30210	Teflon sheet holding plate (lower)	1 pc.	⑤6	30340	# Rubber feet	3 pcs./set
⑲	a,b 30200	Teflon sheet holder support (with screw, nut)	1 pc.	⑤7	30300	# Rubber feet with bolt (with wing nut)	1 pc.
⑳	30005	Sarcon sheet	2 pcs./set	⑤8	30580	# Support pipe set bolt	1 pc.
㉑	39434	# Glass tape 25mm width x 5M roll	1 pc.	⑤9	20	Pedal (A) (with stopper)	1 pc.
	39435	# Glass tape 25mm width x 10M roll	1 pc.	⑥0	21	Pedal (B) (with stopper, wing nut)	1 pc.
㉓	7	Heating element (L-shaped terminal)	1 set	⑥1	22	Pedal (B) stopper	1 pc.
㉔	30192	Teflon sheet	2 pcs./set	⑥2	30320	# Pedal mounting bolt (with nut)	2 pcs./set
㉕	30193	Teflon sheet roll bar	2 pcs./set	⑥3	23	Pedal (A) stopper	1 pc.
㉖	30191	Teflon sheet with roll bar	2 pcs./set	⑥4	22220	Teflon Sheet Holding Plate (Upper) (with screw, spring)	1 pc.
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set	⑥5	39497	Teflon Sheet Holding Bracket (with plastic nut, spring, screw)	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.				
㉙	421700B	H-type electrode	2 pcs./set				
③2	a,b,c 30033B	Common frame (W)	1 pc.	⑨0	39111	FiK sliding shaft (with lifter)	1 pc.
③3	39141B	# Microswitch	1 pc.	⑨1	a,b 39110	FiK movable table	1 pc.
				⑨2	39120	FiK wire	1 pc.
③5	39142	# Microswitch case	1 set	⑨3	39121	FiK wire wheel	1 pc.
③6	30530	Transformer mounting frame	1 pc.	⑨4	a,b 39122	FiK wire wheel bolt	1 pc.
③7	12	Transformer (with core cover)	1 pc.	⑨5	39115	FiK support pipe	1 pc.
③8	13	Transformer core cover	1 pc.	⑨6	30290	FiK hook bar	1 pc.

*Pressure lever complete set/ Code 26 for double heating type consists of numbers 1, 2, 4 - 8, 12, 21, 23, 26, 29, 50, 64, 65.

Special Parts List

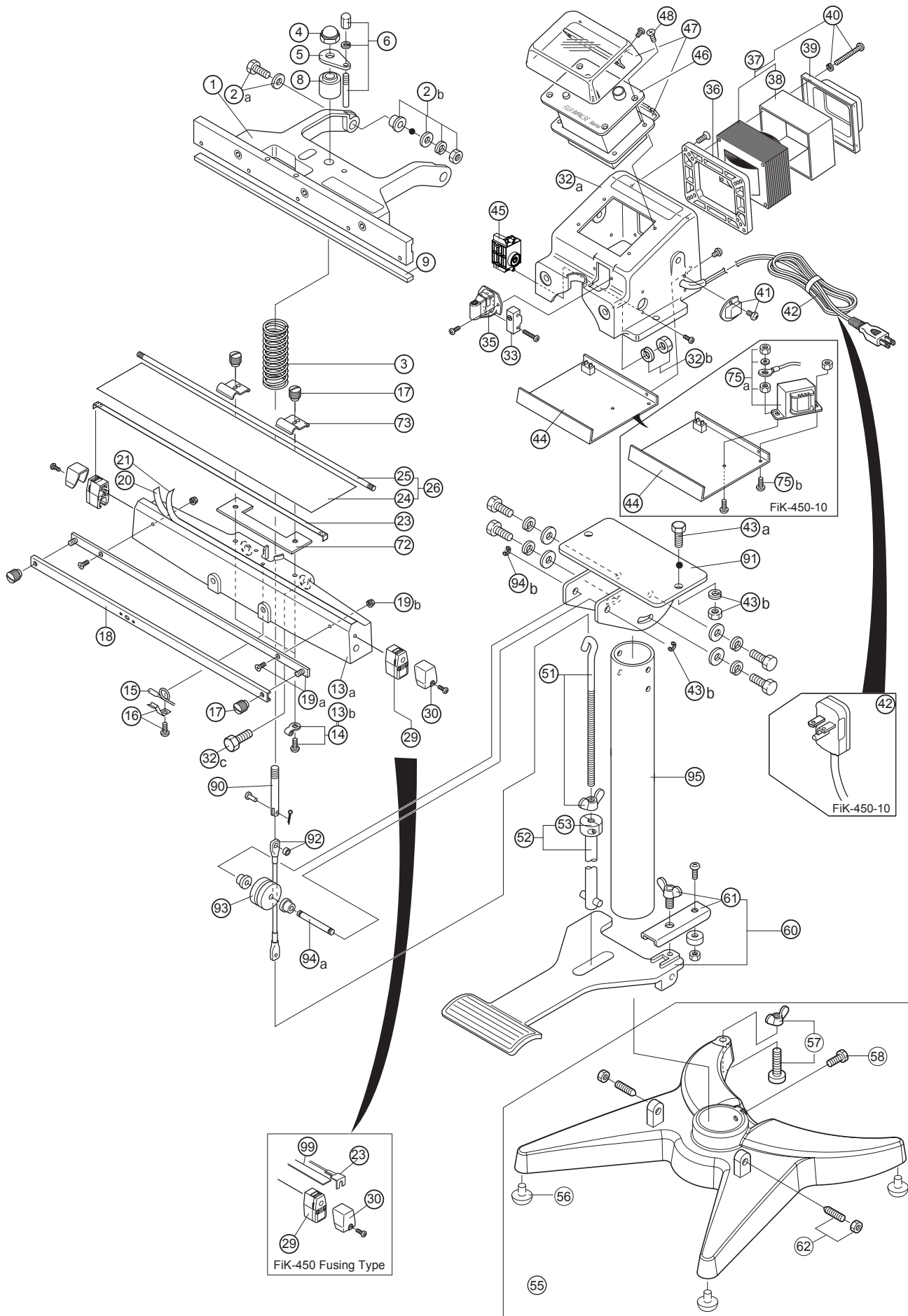
Code	Parts name	Fi(FiK)-300-5W	Fi(FiK)-300-10W
7	Heating element (20pcs/set)	30246	34240
	Heating element (10pcs/set)	59022	59024
12	Transformer	-	-
13	Transformer core cover	27350	32350
14	Transformer cover	30130	34130
15	Transformer fastening screw	30131	32132
16	Power cord	-	-
20	Pedal (A) (with stopper)	30330B	-
21	Pedal (B) (with stopper, wing nut)	-	30331
22	Pedal (B) Stopper	-	30301C
23	Pedal (A) Stopper	30302	-
26	Pressure lever complete set	30018C	34420C

FiK-450 S series Exploded View

F type
FiK-450-2

F type
FiK-450-5

F type
FiK-450-10



FiK-450 S series Spare Parts List

F type
FiK-450-2

F type
FiK-450-5

F type
FiK-450-10

- Specify the part number and product name when ordering.
- The parts with # mark are common parts with Fi and FiK series.

- For the code numbers with square such as 1 2, please refer to the table at the bottom of the page.

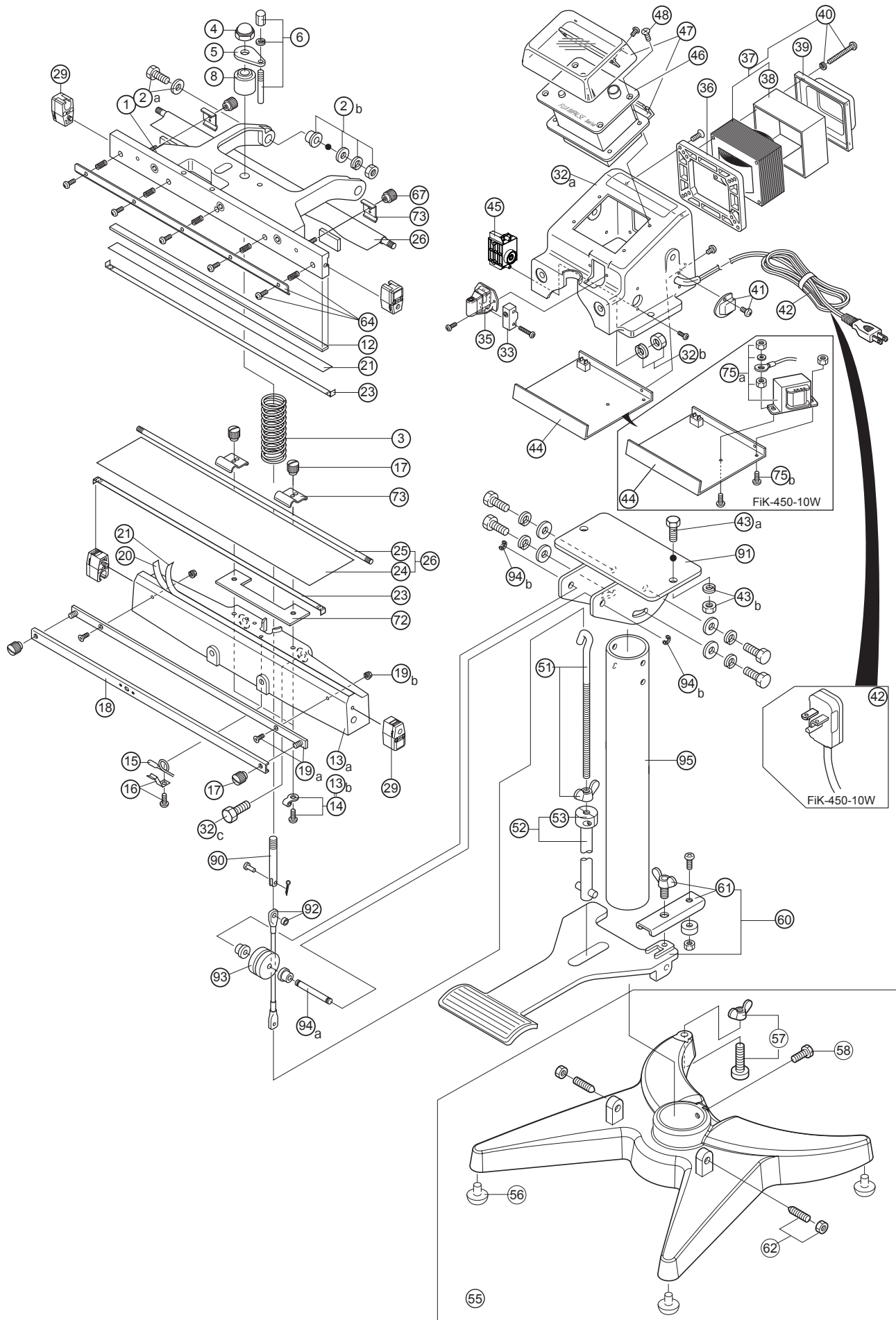
Parts	Code No.	Parts name	Sales unit
①	27010	Pressure lever	1 pc.
②	a,b 30020	# Lever fastening bolt (with nut, washers)	2 pcs./set
③	27040	Large pressure spring	1 pc.
④	30055	# Cap nut 12mm	1 pc.
⑤	30060	# Small lever	1 pc.
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set
⑧	30081	# Pressure rubber	1 pc.
⑨	3	Silicone rubebr	2 pcs./set
⑬	a,b 27031B	Seal frame (with Teflon sheet holding screw)	1 pc.
⑭	30181	Teflon sheet holding screw (with lead wire hoder)	2 pcs./set
⑮	30035	# Thermistor	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.
⑰	30171	# Plastic nut (black) 6mm	5 pcs./set
⑱	27210	Teflon sheet holding plate (lower)	1 pc.
⑲	a,b 27200	Teflon sheet holder support (with screw, nut)	1 pc.
⑳	27005	Sarcon s heet	2 pcs./set
㉑	39434	# Glass tape 25mm width x 5M roll	1 pc.
	39435	# Glass tape 25mm width x 10M roll	1 pc.
㉓	7	Heating element (L-shaped terminal)	1 set
㉔	27192	Teflon sheet	2 pcs./set
㉕	27193	Teflon sheet roll bar	2 pcs./set
㉖	27191	Teflon sheet with roll bar	2 pcs./set
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.
㉙	421700B	H-type electrode	2 pcs./set
㉚	421702B	Terminal cover (with screw)	2 pcs./set
㉛	a,b,c 30032B	Common frame (S)	1 pc.
㉜	39141B	# Microswitch	1 pc.
㉝	39142	# Microswitch case	1 set
㉞	11	Transformer mounting frame	1 pc.
㉟	12	Transformer (with core cover)	1 pc.
㊱	13	Transformer core cover	1 pc.

Parts	Code No.	Parts name	Sales unit
㊲	14	Transformer cover	1 pc.
㊳	15	Transformer fastening screw (with S washer)	4 pcs./set
㊴	30275	# Seal plate (with screw)	1 pc.
㊵	16	Power cord (with rubber bush)	1 pc.
㊶	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
㊷	39494B	# Bottom cover (with outlet)	1 pc.
㊸	28	Power switch	1 pc.
㊹	17	Fi 8 timer	1 pc.
-	29115	# Fuse 15A	1 pc.
㊻	29400	# Timer cover (with rubber packing)	1 pc.
㊼	30150	# FI Timer Mounting Screws	4 pcs./set
㊽	30290	Hook bar	1 pc.
㊾	30281	# Rod (with nut)	1 pc.
㊿	30282	# Rod adjusting nut	1 pc.
㋀	33311C	# Stand base	1 pc.
㋁	30340	# Rubber feet	3 pcs./set
㋂	30300	# Rubber feet with bolt (with wing nut)	1 pc.
㋃	30580	# Support pipe set bolt	1 pc.
㋄	30331	Pedal (B) (with stopper, wing nut)	1 pc.
㋅	30301C	Pedal (B) stopper	1 pc.
㋆	30320	# Pedal mounting bolt (with nut)	2 pcs./set
㋇	a,b 53601	FEP outlet transformer	1 pc.
㋈	39111	FiK sliding shaft (with lifter)	1 pc.
㋉	a,b 39110	FiK movable table	1 pc.
㋊	39120	FiK wire	1 pc.
㋋	39121	FiK wire wheel	1 pc.
㋌	a,b 39122	FiK wire wheel bolt	1 pc.
㋍	39115	FiK support pipe	1 pc.
㋎	30290	FiK hook bar	1 pc.
㋏	27	Mica board	2 pcs./set

*Pressure lever complete set/ Code 26 for single heating type consists of numbers ①, ②, ④ - ⑩, ⑤⑩.

Special Parts List

Code	Parts name	FiK-450-2	FiK-450-5	FiK-450-10	FiK-450 Fusing Type
3	Silicone rubber	27230B	27230B	27620B	27230B
7	Heating element (20pcs/set)	27247	27246	27610	27243B
	Heating element (10pcs/set)	59036	59038	59039	59040B
11	Transformer mounting frame	30530	30530	-	30530
12	Transformer	-	-	-	-
13	Transformer core cover	27345	27350	27355	27350
14	Transformer cover	30130	30130	32130	30130
15	Transformer fastening screw	27131	30131	27132	30131
16	Power cord	-	-	-	-
17	Fi 8 timer	-	-	-	-
26	Pressure lever complete set	27018B	27018B	270198B	-
27	Mica board	-	-	-	39206
28	Power switch	-	-	-	-



FiK-450 W (D) series Spare Parts List

E type
FiK-450-5W

E type
FiK-450-10W

• Specify the part number and product name when ordering.

• The parts with # mark are common parts with Fi and FiK series.

• For the code numbers with square such as 1 2, please refer to the table at the bottom of the page.

Parts	Code No.	Parts name	Sales unit
①	27013B	Pressure lever	1 pc.
②	a,b 30020	# Lever fastening bolt (with nut, washers)	2 pcs./set
③	27040	Large pressure spring	1 pc.
④	30055	# Cap nut 12mm	1 pc.
⑤	30060	# Small lever	1 pc.
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set
⑧	30081	# Pressure rubber	1 pc.
⑫	27521	Silicone rubber (white)	2 pcs./set
⑬	a,b 27031B	Seal frame (with Teflon sheet holding screw)	1 pc.
⑭	30181	Teflon sheet holding screw (with lead wire holder)	2 pcs./set
⑮	30035	# Thermistor	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.
⑰	30171	# Plastic nut (black) 6mm	5 pcs./set
⑱	27210	Teflon sheet holding plate (lower)	1 pc.
⑲	a,b 27200	Teflon sheet holder support (with screw, nut)	1 pc.
⑳	27005	Sarcon sheet	2 pcs./set
㉑	39434	# Glass tape 25mm width x 5M roll	1 pc.
	39435	# Glass tape 25mm width x 10M roll	1 pc.
㉓	7	Heating element (L-shaped terminal)	1 set
㉔	27192	Teflon sheet	2 pcs./set
㉕	27193	Teflon sheet roll bar	2 pcs./set
㉖	27191	Teflon sheet with roll bar	2 pcs./set
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.
㉙	421700B	H-type electrode	2 pcs./set
㉚			
㉛	a,b,c 30033B	Common frame (W)	1 pc.
㉜	39141B	# Microswitch	1 pc.
㉝	39142	# Microswitch case	1 set
㉞	11	Transformer mounting frame	1 pc.
㉟	12	Transformer (with core cover)	1 pc.
㊱	13	Transformer core cover	1 pc.

Parts	Code No.	Parts name	Sales unit
㊲	14	Transformer cover	1 pc.
㊳	27132	Transformer fastening screw (with S washer)	4 pcs./set
㊴	30275	# Seal plate (with screw)	1 pc.
㊵	16	Power cord (with rubber bush)	1 pc.
㊶	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
㊷	39494B	# Bottom cover (with outlet)	1 pc.
㊸	28	Power switch	1 pc.
㊹	17	Fi 8 timer	1 pc.
-	29115	# Fuse 15A	1 pc.
㊻	29400	# Timer cover (with rubber packing)	1 pc.
㊼	30150	# FI Timer Mounting Screws	4 pcs./set
㊽			
㊾	30290	Hook bar	1 pc.
㊿	30281	# Rod (with nut)	1 pc.
①	30282	# Rod adjusting nut	1 pc.
②			
③	33311C	# Stand base	1 pc.
④	30340	# Rubber feet	3 pcs./set
⑤	30300	# Rubber feet with bolt (with wing nut)	1 pc.
⑥	30580	# Support pipe set bolt	1 pc.
⑦			
⑧	30331	Pedal (B) (with stopper, wing nut)	1 pc.
⑨	30301C	Pedal (B) stopper	1 pc.
⑩	30320	# Pedal mounting bolt (with nut)	2 pcs./set
⑪			
⑫	27215	Teflon Sheet Holding Plate (Upper) (with screw, spring)	1 pc.
⑬	18115	Plastic nut (white)	5 pcs./set
⑭			
⑮	a,b 53601	FEP outlet transformer	1 pc.
⑯	39111	FiK sliding shaft (with lifter)	1 pc.
⑰	a,b 39110	FiK movable table	1 pc.
⑱	39120	FiK wire	1 pc.
⑲	39121	FiK wire wheel	1 pc.
㉑	a,b 39122	FiK wire wheel bolt	1 pc.
㉒	39115	FiK support pipe	1 pc.
㉓	30290	FiK hook bar	1 pc.

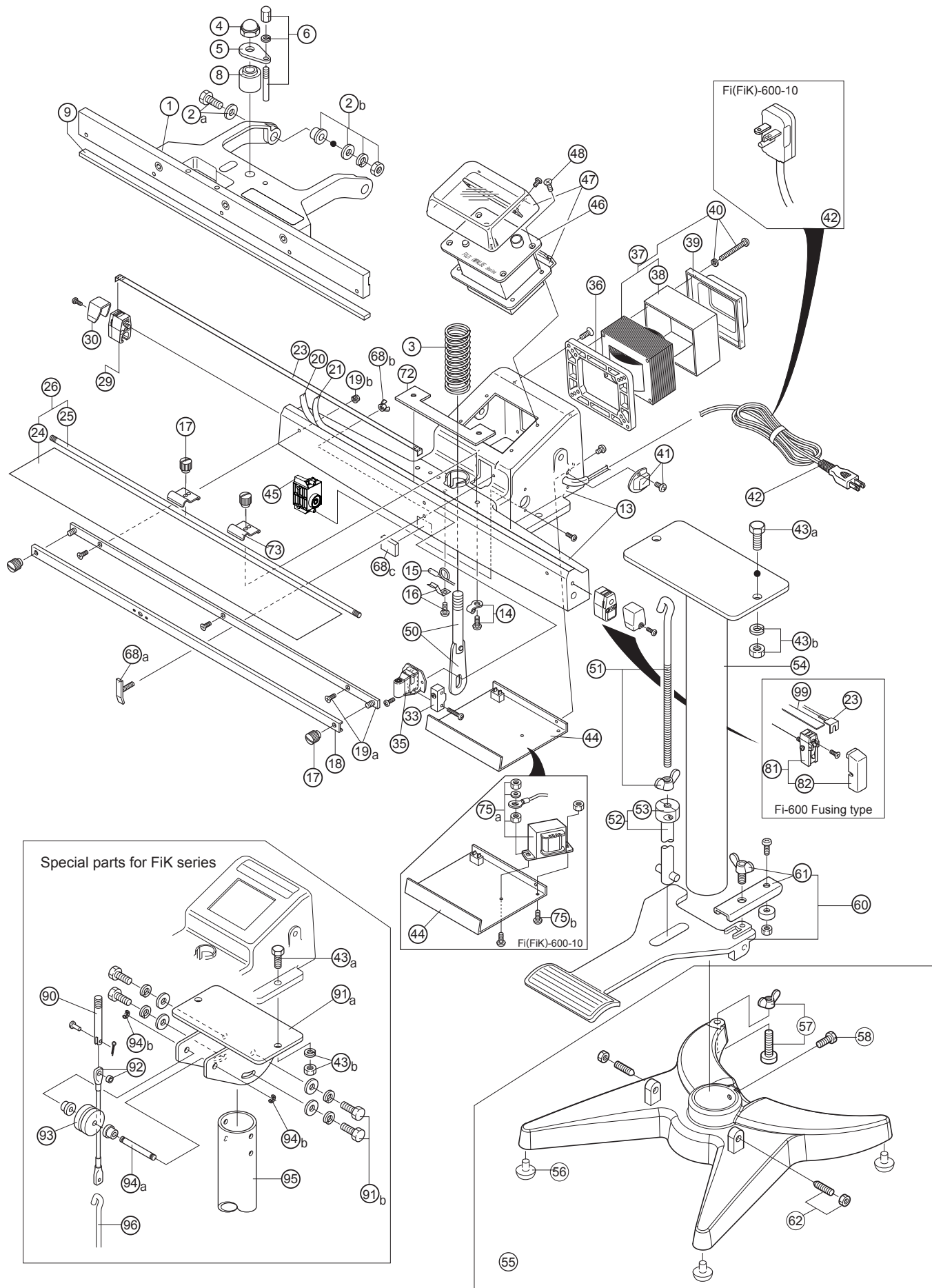
*Pressure lever complete set/ Code 26 for double heating type consists of numbers ①, ②, ④ - ⑧, ⑫, ㉑, ㉓, ㉖, ㉙, ⑤, ⑥, ⑦, ⑩.

Special Parts List

Code	Parts name	FiK-450-5W	FiK-450-10W
7	Heating element (20pcs/set)	27246	27610
	Heating element (10pcs/set)	59038	59039
11	Transformer mounting frame	30530	-
12	Transformer	-	-
13	Transformer core cover	32350	27355
14	Transformer cover	27130	32130
16	Power cord	-	-
17	Fi 8 timer	-	-
26	Pressure lever complete set	28008B	28009C
28	Power switch	-	-

Fi(FiK)-600 S series Exploded View

F Type Fi-600-2	F Type Fi-600-5	F Type Fi-600-10	G Type Fi-600-Fusing type
F Type FiK-600-2	F Type FiK-600-5	F Type FiK-600-10	



Fi(FiK)-600 S series Spare Parts List

F Type Fi-600-2	F Type Fi-600-5	F Type Fi-600-10	G Type Fi-600-Fusing type
F Type FiK-600-2	F Type FiK-600-5	F Type FiK-600-10	

- Specify the part number and product name when ordering.
- The parts with # mark are common parts with Fi and FiK series.

- For the code numbers with square such as 1 2, please refer to the table at the bottom of the page.

Parts	Code No.	Parts name	Sales unit
①	32010	Pressure lever	1 pc.
②	a,b 30020	# Lever fastening bolt (with nut, washers)	2 pcs./set
③	32040	Large pressure spring	1 pc.
④	30055	# Cap nut 12mm	1 pc.
⑤	30060	# Small lever	1 pc.
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set
⑧	30081	# Pressure rubber	1 pc.
⑨	3	Silicone rubber	2 pcs./set
⑬	⑭ 32030B	Seal frame S (with Teflon sheet holding screw)	1 pc.
⑭	24680B	Teflon sheet holding screw (with lead wire holder)	2 pcs./set
⑮	30035	# Thermistor	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.
⑰	32210	Teflon sheet holding plate (lower)	1 pc.
⑱	a,b 32200	Teflon sheet holder support (with screw, nut)	1 pc.
⑳	32005	Sarcon sheet	2 pcs./set
㉑	39434	# Glass tape 25mm width x 5M roll	1 pc.
	39435	# Glass tape 25mm width x 10M roll	1 pc.
㉓	7	Heating element (L-shaped terminal)	1 set
㉔	32192	Teflon sheet	2 pcs./set
㉕	32193	Teflon sheet roll bar	2 pcs./set
㉖	32191	Teflon sheet with roll bar	2 pcs./set
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.
㉙	30	H-type electrode	2 pcs./set
㉚	31	# Terminal cover (with screw)	1 pc.
㉛	39141B	# Microswitch case	1 set
		Transformer mounting frame	1 pc.
㉝	39142	Transformer (with core cover)	1 pc.
㉞	11	Transformer mounting frame	1 pc.
㉟	12	Transformer (with core cover)	1 pc.
㊱	13	Transformer core cover	1 pc.
㊲	14	Transformer cover	1 pc.
㊳	15	Transformer fastening screw (with S washer)	4 pcs./set
㊴	30275	# Seal plate (with screw)	1 pc.

Parts	Code No.	Parts name	Sales unit
④②	16	Power cord (with rubber bush)	1 pc.
④③	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
④④	39494B	# Bottom cover (with outlet)	1 pc.
④⑤	28	Power switch	1 pc.
④⑥	17	Fi 8 timer	1 pc.
-	29115	# Fuse 15A	1 pc.
④⑦	29400	# Timer cover (with rubber packing)	1 pc.
④⑧	30150	# Fi Timer Mounting Screws	4 pcs./set
⑤⑩	30090B	# Fi Sliding shaft (with lifter)	1 pc.
⑤⑪	28290	Hook bar	1 pc.
⑤⑫	30281	# Rod (with nut)	1 pc.
⑤⑬	30282	# Rod adjusting nut	1 pc.
⑤⑭	32260B	Support pipe	1 pc.
⑤⑮	33311C	# Stand base	1 pc.
⑤⑯	30340	# Rubber feet	3 pcs./set
⑤⑰	30300	# Rubber feet with bolt (with wing nut)	1 pc.
⑤⑱	30580	# Support pipe set bolt	1 pc.
⑥⑩	30331	Pedal (B) (with stopper, wing nut)	1 pc.
⑥⑪	30301C	Pedal (B) stopper	1 pc.
⑥⑫	30320	# Pedal mounting bolt (with nut)	2 pcs./set
⑥⑬	a,b,c 38530	Fi600 Teflon sheet center holder (w/ nut, screw, s-washer)	1 set
⑦⑤	a,b 53601	FEP outlet transformer	1 pc.
⑧①	32	Electrode (square type L)	2 pcs./set
⑧②	33	Electrode Cover (Square Type)	2 pcs./set
⑨⑩	39111	FiK sliding shaft (with lifter)	1 pc.
⑨⑪	a,b 39110	FiK movable table	1 pc.
⑨⑫	39120	FiK wire	1 pc.
⑨⑬	39121	FiK wire wheel	1 pc.
⑨⑭	a,b 39122	FiK wire wheel bolt	1 pc.
⑨⑮	39115	FiK support pipe	1 pc.
⑨⑯	30290	FiK hook bar	1 pc.
⑨⑲	27	Mica board	2 pcs./set

*Pressure lever complete set/ Code 26 for single heating type consists of numbers ①, ②, ④ - ⑩, ⑤⑩.

Special Parts List

Code	Parts name	Fi (FiK)-600-2	Fi (FiK)-600-5	Fi (FiK)-600-10	Fi-600 Fusing Type
3	Silicone rubber	32230B	32230B	32231B	32230B
7	Heating element (20pcs/set)	32247	32246	38246	32243B
	Heating element (10pcs/set)	59043	59045	59046	59047B
11	Transformer mounting frame	30530	30530	-	30530
12	Transformer (with core cover)	-	-	-	-
13	Transformer core cover	32351	32350	32355	32350
14	Transformer cover	30130	32129	32130	32129
15	Transformer fastening screw	32131	32132	32133	32132
16	Power cord	-	-	-	-
17	Fi 8 timer	-	-	-	-
26	Pressure lever complete set	32011C	32011C	32014B	32011C
27	Mica board	-	-	-	39208
28	Power switch	-	-	-	-
30	H-type electrode	421700B	421700B	421700B	-
31	Terminal cover (with screw)	421702B	421702B	421702B	-
32	Electrode (square type L)	-	-	-	30165
33	Electrode Cover (Square Type)	-	-	-	30400

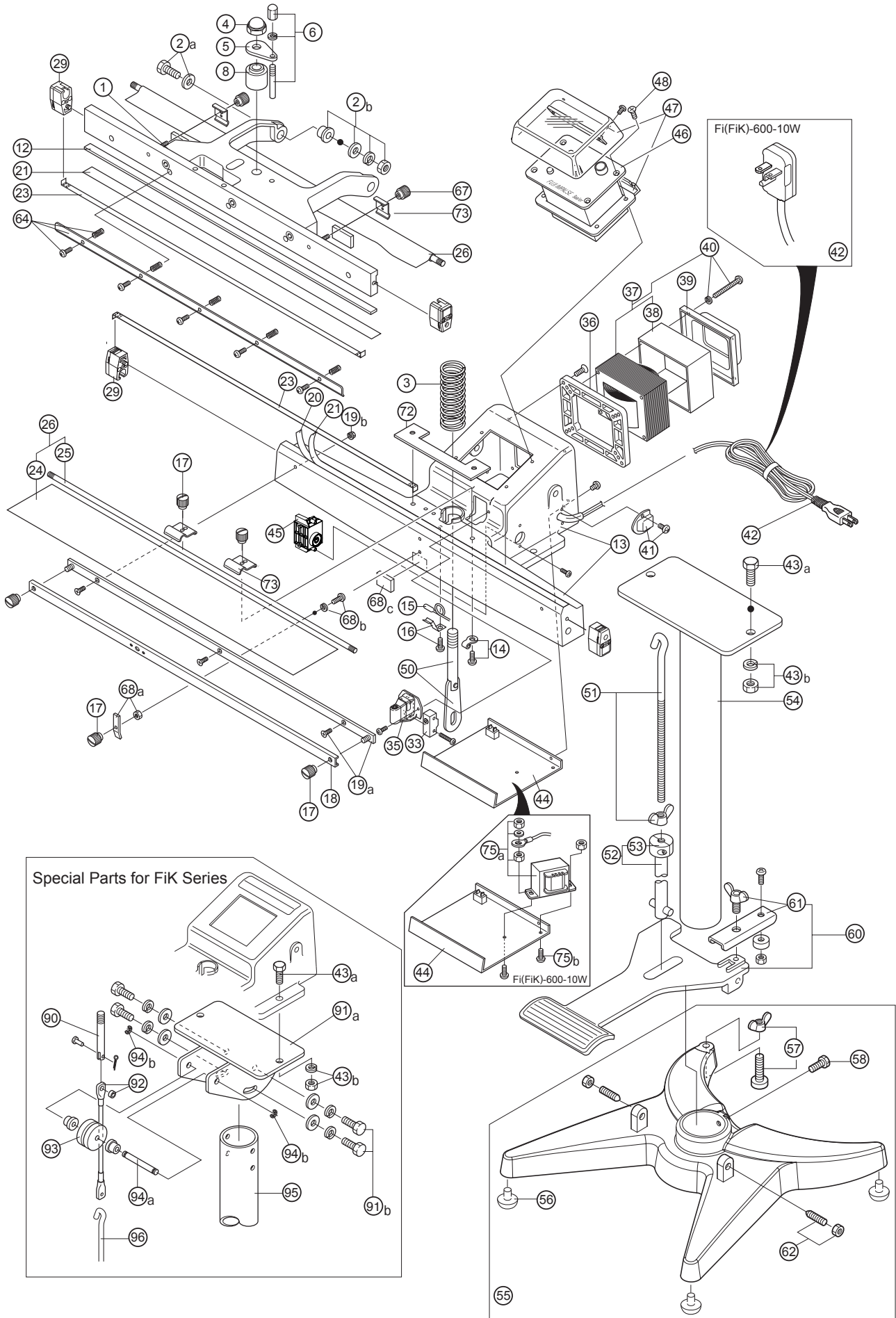
Fi(FiK)-600 W(D) series Exploded View

E Type
Fi-600-5W

E Type
FiK-600-5W

E Type
Fi-600-10W

E Type
FiK-600-10W



Fi(FiK)-600 W(D) series Spare Parts List

**E Type
Fi-600-5W**

**E Type
FiK-600-5W**

**E Type
Fi-600-10W**

**E Type
FiK-600-10W**

- Specify the part number and product name when ordering.
- The parts with # mark are common parts with Fi and FiK series.

- For the code numbers with square such as 1 2, please refer to the table at the bottom of the page.

Parts	Code No.	Parts name	Sales unit
①	32013B	Pressure lever	1 pc.
②	a,b 30020	# Lever fastening bolt (with nut, washers)	2 pcs./set
③	32040	Large pressure spring	1 pc.
④	30055	# Cap nut 12mm	1 pc.
⑤	30060	# Small lever	1 pc.
⑥	30071B	# Switch pin set (with nut, S-washer)	1 set
⑧	30081	# Pressure rubber	1 pc.
⑫	32235	Silicone rubber	2 pcs./set
⑬	⑭ 32031B	Seal frame W (with Teflon sheet holding screw)	1 pc.
⑭	24680B	Teflon sheet holding screw (with lead wire holder)	2 pcs./set
⑮	30035	# Thermistor	1 pc.
⑯	24045	# Thermistor metal fitting (with screw)	1 pc.
⑰	30171	# Plastic nut (black) 6mm	5 pcs./set
⑱	32210	Teflon sheet holding plate (lower)	1 pc.
⑲	a,b 32200	Teflon sheet holder support (with screw, nut)	1 pc.
⑳	32005	Sarcon sheet	2 pcs./set
㉑	39434	# Glass tape 25mm width x 5M roll	1 pc.
	39435	# Glass tape 25mm width x 10M roll	1 pc.
㉓	7	Heating element (L-shaped terminal)	1 set
㉔	32192	Teflon sheet	2 pcs./set
㉕	32193	Teflon sheet roll bar	2 pcs./set
㉖	32191	Teflon sheet with roll bar	2 pcs./set
㉗	18018	# Teflon roll bar fastening plate	2 pcs./set
㉘	30190	# Teflon cushioning rubber	1 pc.
㉙	421700B	H-type electrode	2 pcs./set
㉛	39141B	# Microswitch	1 pc.
㉝	39142	# Microswitch case	1 set
㉞	11	Transformer mounting frame	1 pc.
㉟	12	Transformer (with core cover)	1 pc.
㊱	13	Transformer core cover	1 pc.

Parts	Code No.	Parts name	Sales unit
㊳	14	Transformer cover	1 pc.
㊴	15	Transformer fastening screw (with S washer)	4 pcs./set
㊵	30275	# Seal plate (with screw)	1 pc.
㊶	16	Power cord (with rubber bush)	1 pc.
㊷	a,b 39136	# Main frame mounting bolt (with S washer, Nut)	2 pcs./set
㊸	39494B	# Bottom cover (with outlet)	1 pc.
㊹	28	Power switch	1 pc.
㊺	17	Fi 8 timer	1 pc.
-	29115	# Fuse 15A	1 pc.
㊻	29400	# Timer cover (with rubber packing)	1 pc.
㊼	30150	# FI Timer Mounting Screws	4 pcs./set
㊽	30090B	# FI Sliding shaft (with lifter)	1 pc.
㊾	28290	Hook bar	1 pc.
㊿	30281	# Rod (with nut)	1 pc.
①	30282	# Rod adjusting nut	1 pc.
②	32260B	Support pipe	1 pc.
③	33311C	# Stand base	1 pc.
④	30340	# Rubber feet	3 pcs./set
⑤	30300	# Rubber feet with bolt (with wing nut)	1 pc.
⑥	30580	# Support pipe set bolt	1 pc.
⑧	30331	Pedal (B) (with stopper, wing nut)	1 pc.
⑨	30301C	Pedal (B) stopper	1 pc.
⑩	30320	# Pedal mounting bolt (with nut)	2 pcs./set
⑫	32215	Teflon Sheet Holding Plate (Upper) (w/ screw, spring)	1 pc.
⑬	18115	Plastic nut (white)	5 pcs./set
⑭	a,b,c 38530	Fi600 Teflon sheet center holder (w/ nut, screw, s-washer)	1 set
⑮	a,b 53601	FEP outlet transformer	1 pc.
⑯	39111	FiK sliding shaft (with lifter)	1 pc.
⑰	a,b 39110	FiK movable table	1 pc.
⑱	39120	FiK wire	1 pc.
㉑	39121	FiK wire wheel	1 pc.
㉒	a,b 39122	FiK wire wheel bolt	1 pc.
㉓	39115	FiK support pipe	1 pc.
㉔	30290	FiK hook bar	1 pc.

*Pressure lever complete set/ Code 26 for double heating type consists of numbers 1, 2, 4 - 8, 12, 21, 23, 26, 29, 50, 64, 65, 66, 67.

Special Parts List

Code	Parts name	Fi (FiK)-600-5W	Fi (FiK)-600-10W
7	Heating element (20pcs/set)	32246	38246
	Heating element (10pcs/set)	59045	59046
11	Transformer mounting frame	30530	-
12	Transformer (with core cover)	-	-
13	Transformer core cover	32350	32355
14	Transformer cover	32129	32130
15	Transformer fastening screw	32132	32133
16	Power cord	-	-
17	Fi 8 timer	-	-
26	Pressure lever complete set	32012C	32015C
28	Power switch	-	-

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Fi, FiK Series Operating Instructions Ver2.01E