

Replacing the Heating Element

★ Please use the following item numbers when ordering parts.

Item No.	Part No.		Part Name
	455	456	
A	B1015	B1120	Nut
B	B1156	B1118	Tip Enclosure
D	B1157	B1119	Element Support Pipe
E	B1158	B1121	Flange
F	B1160	B1123	Terminal Fixed Spring

G Heating Element

	100V	110V	120V	220V	230V	240V
455	A1054	A1056	A1178	A1057	A1058	A1059
456	A1027	A1043	A1177	A1044	A1045	A1046

*Illustration: w/3 wired cord

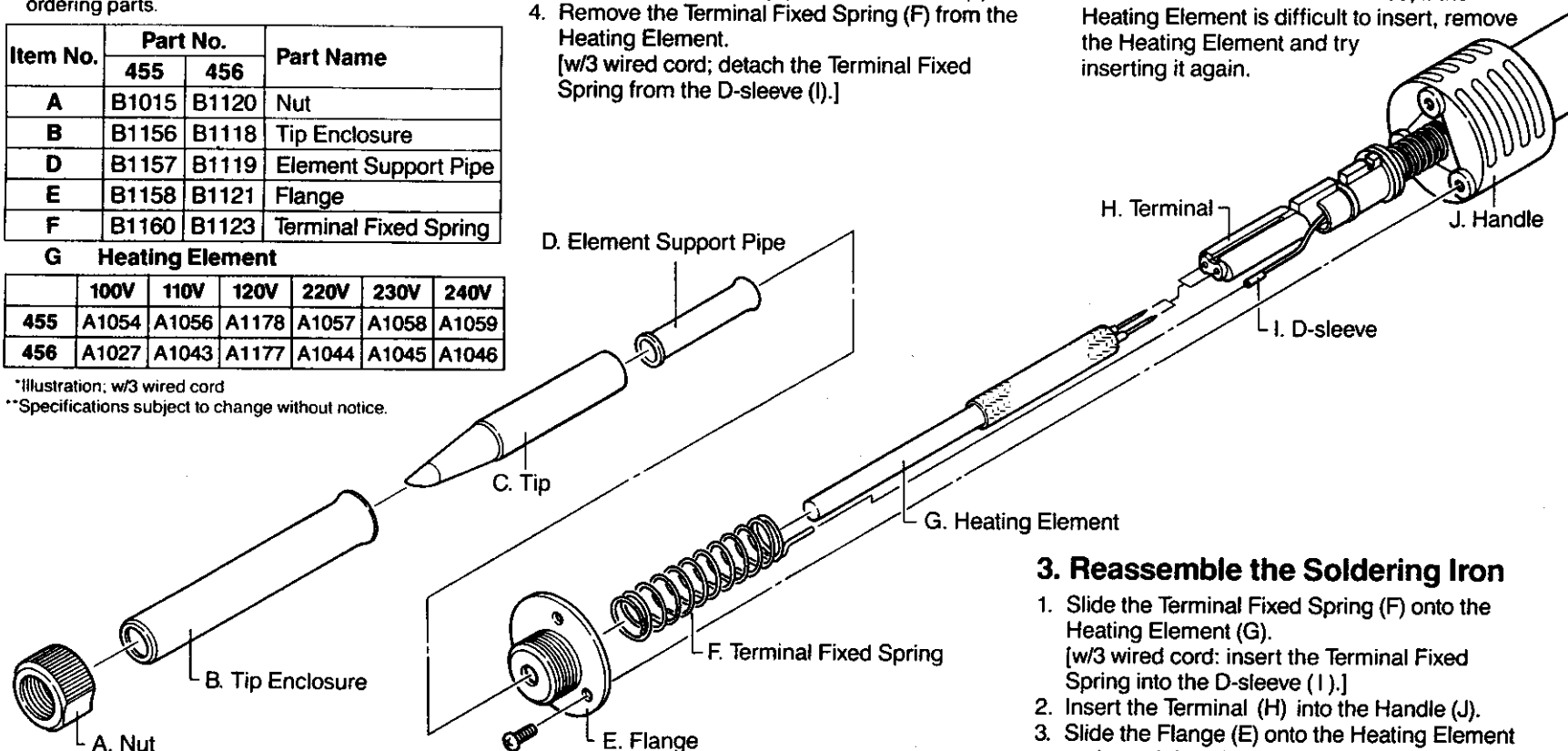
**Specifications subject to change without notice.

1. Disassemble the Soldering Iron

1. Remove the Nut (A), Tip Enclosure (B), Tip (C), and Element Support Pipe (D) in this order.
 2. Unscrew the 3 screws and remove the Flange (E).
 3. Push power cord in the direction of the Tip and remove the Terminal (H) from the Handle (J).
 4. Remove the Terminal Fixed Spring (F) from the Heating Element.
- [w/3 wired cord; detach the Terminal Fixed Spring from the D-sleeve (I).]

2. Replace the Heating Element

1. Pull the Heating Element (G) off from the Terminal (H).
2. Insert a new Heating Element into the Terminal. Be sure the Heating Element Terminal is correctly inserted into the terminal holes. Do not use excessive force; if the Heating Element is difficult to insert, remove the Heating Element and try inserting it again.



3. Reassemble the Soldering Iron

1. Slide the Terminal Fixed Spring (F) onto the Heating Element (G).
[w/3 wired cord: insert the Terminal Fixed Spring into the D-sleeve (I).]
2. Insert the Terminal (H) into the Handle (J).
3. Slide the Flange (E) onto the Heating Element and attach it to the Handle with the screws.
4. Reattach the Element Support Pipe (D), Tip Enclosure (B) and Nut (A) in this order.

●仕様/Specifications

品 名 / Name	HAKKO 455
消費電力 / Power Consumption	40W
最高温度 / Max. Temp.	1110°F
全 長 / Total Length (除コード) (Without Cord)	215mm / 8.5in
重 量 / Weight (除コード) (Without Cord)	100g / 0.2lb

※仕様、および外観は改良のため予告なく変更することがあります。ご了承ください。

※Specifications are subject to change.

●ご注意

1. ヒーターはセラミックで作られていますので過度の衝撃には弱く折れることがあります。こて先を作業台にたたきつけたり、こじたりすることは避けてください。
2. こて先、保護パイプ、袋ナット、フランジは高温状態ですから、やけど、火災の原因になりますので取扱いには、十分注意してください。

●Caution

1. Do not strike the soldering iron against the workbench or with any tool. The ceramic heating element may be damaged if struck with excessive force.
2. Tip, Tip Enclosure, Nut and Flange are extremely hot and can cause painful burns or fire. Be careful not to touch them.

HAKKO CORPORATION

●仕 様 / Specifications

品 名 / Name	HAKKO 456
消費電力 / Power Consumption	60W
最高温度 / Max. Temp.	1110°F
全 長 / Total Length	250mm (9.8 in)
重 量 / Weight (除コード) (Without Cord)	150g (0.3 lb.)

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2. こて先、保護パイプ、袋ナット、フランジは高温状態ですから、やけど、火災の原因になりますので、取扱いには充分注意してください。

●CAUTION

1. Do not strike the soldering iron against the workbench or with any tool. The ceramic heating element may be damaged if struck with excessive force.
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