

5. MAINTENANCE

Performing proper and periodic maintenance extends the product life. Wear of the product will differ depending on work environment, the quality and quantity of the solder and flux. Apply the following service procedure as dictated by the conditions of the usage.

HAKKO FA-430 counts used number of the pre-filter in order to determine the remaining life of the main filter. There are a few points to observe when replacing filters. Read “How to replace the filter” and follow the procedure. Replacing the filter without following the procedure may cause the overuse of the main filter and subsequent damage to the unit.

●Filter replacement timing

Pre-filter : 80% of the pre-filter is clogged or it was used for 200 hours. (The orange lamp flashes.)

Main filter : When the 10th pre-filter needs replacing. (The orange and red lamp flash.)

⚠ CAUTION
Replacing the filter without following the procedure will disrupt the timing for filter replacement and may cause the overuse of the filters and subsequent damage to the unit.

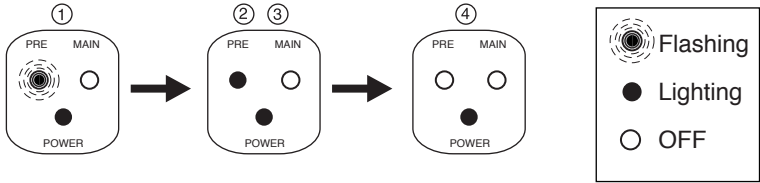
●How to replace the filter

NOTE:
●The lamp status indicates appropriate time to replace the main filter and pre-filter. If continuing to use the main filter or pre-filter after the lamp status indicates it is time for replacement, it may result in reduced performance and/or subsequent damage to the unit.
●When replacing the filter, set the flow selection switch to RESET without turning off the power switch.

A. Pre-filter

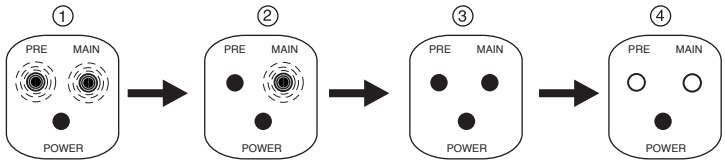
NOTE:
Do not lift the main filter when replacing the pre-filter.If the main filter is lifted for more than 3 seconds with the power switch on and the flow control set to RESET, the used number of the pre-filter are reset to zero.

- ① Pre-filter lamp (orange) flashes.
- ② Set the flow selection switch to RESET with the power switch on. (The fan will stop.)
- ③ Open the upper cover and remove the pre-filter only. Fit the new pre-filter on top of the main filter so that it lies flat with no gaps, then close the upper cover.
- ④ Set the flow selection switch back to the previous position. The fan will start running and the unit will return to a normal operating condition.



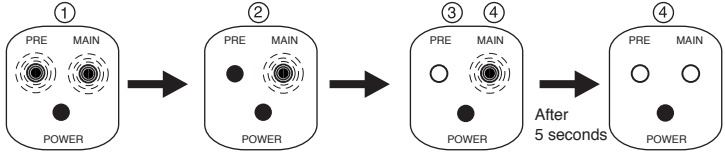
B. Main filter

- ① Pre-filter lamp (orange) and main filter lamp (red) flash.
- ② Set the flow selection switch to RESET with the power switch on. (The fan will stop.)
- ③ Open the upper cover and then remove both main filter and pre-filter. Replace the filters with the new filters, fit them in the main unit and close the upper cover.
- ④ Set the flow selection switch back to the previous position. The fan will start running and the unit will return to a normal operating condition.

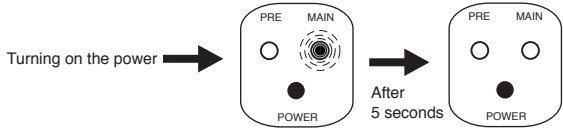


●In case of replacing the pre-filter only with the red and orange lamp flashing.

- ① Pre-filter lamp (orange) and main filter lamp (red) flash.
- ② Set the flow selection switch to RESET with the power switch on. (The fan will stop.)
- ③ Open the upper cover and then remove the pre-filter only. Fit the new pre-filter on top of the main filter so that it lies flat with no gaps, then close the upper cover.
- ④ Set the flow selection switch back to the previous position. After 5 seconds are passed, the red lamp will be turned off.



*If not replacing the main filter after the lamp indicated to replace it, the red lamp will flash for 5 seconds every time the power switch is turned on.



6. TROUBLE SHOOTING GUIDE

●Nothing happens when the power switch is turned on.

CHECK : Is the power cord disconnected ?

ACTION : Connect it.

CHECK : Is the main filter set properly ?

ACTION : Fit the main filter properly before turning on the power switch again.

CHECK : Is the flow control set to RESET ?

ACTION : Adjust the flow suitable for working environment by using the flow selection switch.

CHECK : When replacing the filter, Is the flow selection switch adjusted to RESET with the power switch on ?

ACTION : Make sure that power switch is ON, and set the flow selection switch to RESET again.

CHECK : When replacing the filter, Is the flow selection switch adjusted to RESET with the power switch on?

ACTION : Make sure that power switch is on and set the flow selection switch to RESET. Lift the main filter more than 3 seconds.

ACTION : Main filter needs to be replaced.

Recommend replacing the main filter otherwise performance will be reduced.

ACTION : Main filter has exceeded its service life and was never replaced. It has passed more than 2500 hours since it is used. Main filter must be replaced. Failure to do so may result in damage to the unit.

ACTION : Contact your HAKKO representative because it is necessary to repair the main unit.

●Orange lamp keeps flashing after replacing the pre-filter.

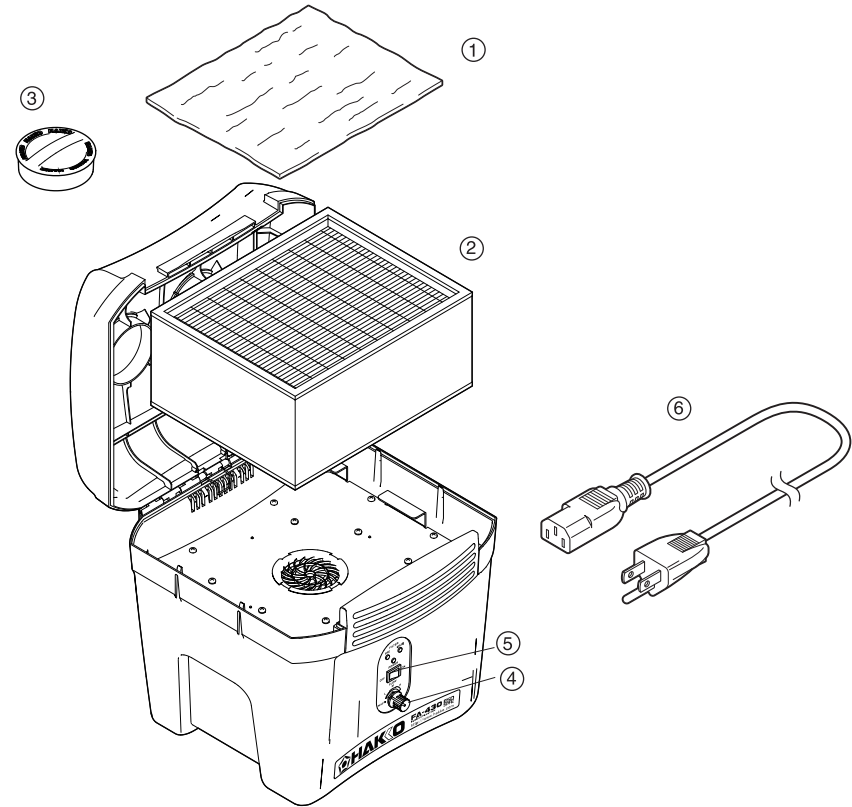
●Red lamp keeps flashing after replacing the main filter.

●Red lamp is flashing for 5 seconds just after turning the power switch on.

●Red lamp lights up.

●All lamp flashes at the same time.

7. PARTS LIST



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●HAKKO FA-430

Item No.	Part No.	Part Name	Specifications
①	A1572	Pre-filter	10 pcs.
②	A1573	Main filter	
③	B3619	Cap	
④	B1486	Knob	
⑤	B2852	Power switch	
⑥	B2421	Power cord, 3 wired cord but no plug	220 - 240V
	B2422	Power cord, 3 wired cord & BS plug	India
	B2424	Power cord, 3 wired cord& European plug	220V KTL , 230V CE
	B2425	Power cord, 3 wired cord & BS plug	230V CE , U.K.
	B2426	Power cord, 3 wired cord & Australian plug	
	B2436	Power cord, 3 wired cord & Chinese plug	China
	B3508	Power cord, 3 wired cord & American plug	
	B3550	Power cord, 3 wired cord & SI plug	
	B3616	Power cord, 3 wired cord & BR plug	

●Option

Item No.	Part No.	Part Name	Specifications
①	C1571	Duct set / Rectangular nozzle	Duct (1) / Adapter (1) Rectangular nozzle(1) / Net (1)
②	C1572	Duct set / Round nozzle	Duct (1) / Adapter (1) Round nozzle (1) / Net (1)
③	B3642	Duct	φ 55 mm
④	B3620	Adapter	
⑤	B3621	Adapter	For 3 inch
⑥	B3622	Rectangular nozzle	
⑦	B3623	Round nozzle	
⑧	B2418	Bench top hood	
⑨	B3625	Net	5 pcs.
⑩	B2410	Duct	For 3 inch (φ 75 mm)
⑪	B2416	Duct band	Set of 2

