

Update to 4.0

Add to end of M (fisher & Paykel)

M10 Fisher & Paykel Pumps

F/P now have 3 types of drain pumps.

1. Shaded pole clip to bowl pump. As used on early machines.
2. Inverter pump. These use use a pump like the Dishdraw dishwasher pump. These are troublesome, if the pump blocks it can take out the main PCB. Best to keep away from them.
3. Synchronous Pump (magnetic pump) (E5.14) These are a larger version of this type of pump, like LG washer and dishwashers. Like all synchronous pumps they suffer wear problems and fail to start, see E5.14.

Add to N3.5 No spin (Whirlpool)

On the clutch put washer under the spring to put more pressure on the clutch band.

Add to R6-B1 Data (Bosch)

Brush Replacement

Remove the motor from the machine, bend the metal holding the brushes in place and remove the brushes from the holder. Refit new brushes. Avoid pulling the motor apart, it has internal plugs which do not always go in correctly. This replacement save pulling the motor apart.

Add to end of chapter D (Fault Finding)

D9 Internet Help

Google the make and error code to get online help. I had a gas heater with error code 12, google 'rinnai error 12' (the search is not case sensitive), this will produce a list of web pages that may be or may not be useful.

N3.3b Timer Removal. Timer Knob Removal. Push knob in. Pull the black tab at the back of the back of the timer out with a pointy pliers, the knob will be released and should pull off. See illustration 6. This instruction is on the back of the timer. The timer is then slide sideways after lifting the plastic tab.



Illustration 1: WP Timer Knob removal, pull the pin out a little