

T12 Fisher and Paykel Dishdraw

T12.0 Operation.

If the owner does not have a user manual, it can be downloaded from the Fisher & Paykel web site. It is helpful in operating the machine. This is all the information F/P will give you unless you are one of there authorised service agents.

These consist of a inverter technology motor/pump ? (F11) (or very small capacitor run motor (? F7)). Have not required to investigate this yet. The pump is constructed like the synchronous pump (E5.1.4), except that the motor winding are viewable from under the draw. The pump will be subject to wear and starting problems as describe in E5.1.4 and illustration 15.

The lid is closed by two motor on each side of the draw, these can be tested in T12.6 (Diagnostics)

There is a PVB in the bottom of the draw or tray. It has as mall section mounted at right angles to detect water in the bottom tray by measuring the resistance between it and the metal tray, water lowering the resistance. See section T12.7 error code F1. The PCB is held in place by a screw, a plastic clip and slots at he right side.

12.1 Access to the motor/pump.

Access is inside the open draw and remove spray to clean it.

1. Open the draw and lift the basket from the back to prevent damage to the soap dispenser.
2. Lift the spray arm off and clean if necessary.
3. Rotate the filter rings and lift off. Clean the filters. (Instructions in user manual, owner can do this.)
4. Remove and clean the pump impeller.
5. Reassemble is the reverse. There are marks to for correct fitting.
6. Lower the front edge of the basket in first.

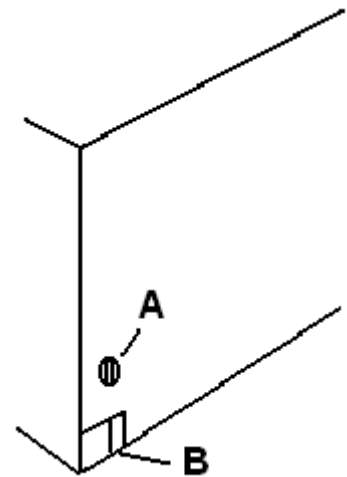


Illustration 1: Fisher & Paykel DishDraw

A Pin to remove front cover

B Push in plastic clip to remove draw

T12.2 Remove the Front Panel

(For DS603, others will be similar, model plate at bottom when draw is opened)

1. The front panel is removed by using a pair of pliers to remove plastic pins on the side of the draw, one each side. Pin "A" in illustration 1.
2. Pull the front panel down and out at the bottom. This exposes the front electronics etc.
3. Refitting is the reverse

T12.3 Remove the draw

1. Open the draw. Press the plastic clips at the side ("B" in illustration 1) and slide the rail forward. Do the other side.
2. With the rails pushed a little way in, the draw can be lifted off and placed on the floor. The top draw will need a chair to rest it on.
3. Empty water into bucket by turning the draw on it side.
4. Reassembling is the reverse. Pull the rails out and place the draw on it. The plastic draw has slots for the rail. Push the draw all the way in and the plastic clips will lock in.

T12.4 Removing the Dishdraw from the Cupboard

If the whole unit is to be removed, undo 4 screws on the side that screw into the cupboard. They prevent the dishwasher falling forward when the draws are opened.

T12.4 Remove the Motor Windings Cover

Turn the draw on side, a plastic cover is held on by 3 plastic clips and is “hinged” at the back by plastic lugs.

T12.5 Cleaning the Drain Hose

The drain hose is small and is easy blocked.

1. Remove the draw (T12.3), remove the motor winding cover (T12.4)
2. The drain hose is held in to the drain pump housing outlet pipe by plastic clips and sealed with an “O” ring.
3. Remove hose at sink
4. Blow through the hoses to clean them

T12.6 Diagnostic Mode

These instructions apply to model DD603, other models should be similar. With the power button turned off (power to machine, screen dark), press and hold the lock button and press the start button for 5 seconds. The screen will light up with all the symbols.

Press and hold down the start button and press the the power button. The display will now show “HO”.. Press the start button to rotate through the various options as listed below. Pressing the Lock button activates the operation and a brush symbol is displayed.

'bL ' Turns off the screen light

'Er'

'Ld' Activate the lid motors, if the draw is remove the action can be seen. The motors use 0.3A

'dd'

'FU' Operate the water valve, water enters the draw at the front of it.

'P1' Operates the pump in wash mode. Careful water may spray! The pump uses 0.4A

'P2' Operates the pump in drain mode. Drain the water from 'FU' mode, uses 0.4A

'rd'

'dF' Operates the drying fan

'LE' Operates the LED on the rinse aid plug.

'C1'

'C2' Operate the rinse aid (?)

'C3'

'°C' Displays temperature in °C

'°E' Displays temperature in °F

T12.7 Fault codes (These apply to model DS605 DD605, other models should be similar.)

| Code | Description | Possible Causes | What to Do |
|---------------|---------------------------------|---|---|
| F1 (1) | Water in bottom tray | 1. Dishes too high in draw. 2. Lid not sealing. 3. High foaming detergent used. Foam leaking out of vent at back. | Remove bottom draw and dry with towel |
| F2 (10) | Motor problem | Motor not rotating | Clean pump (T12.1), check for wear, replace rotator/pump |
| F3 (11) | Temperature sensor failed | Maximum temperature 65°C. | Adjust hot water system temperature or get plumber to fit tempering valve. |
| F4 (100) | Faulty temp. sensor or element. | | Test and replace |
| F5 (101) | Lid fault | | 1. Turn power of and then back on to reset. 2. Check operation of lid closing motors T12.6 (Diagnostics) |
| F6 (110) | Lid fault | | As above |
| F7 (111) | Lid fault | | As above |
| F8 (1000) | Electrical problem | | |
| F9 | Electronic Fault | | |
| U1 (10001) | Fill fault | | Check water supply, if full of water empty draw manually. Check water valve operation |
| U2 (10010) | Loading fault | Load too high | Load dishes as per user manual |
| U4 (10100) | Fault in other draw . | | Fix other draw fault |