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Instruction Sheet

These kits are a one for one module replacement conversion kit that replace a Capable Control module, which have been discontinued, on *H55 and OCF FRYERS*.

Subject: 8263686 Capable Control to Fenwal Ignition Module Conversions – Australia and CE

Models affected: H55/OCF Australia & CE Gas Fryers

Module Kit 8263686		
Part #	**Description**	**Qty**
8076545	HARNESS, FENWAL FV IM AUSTRL	1
8076546	HARNESS, FENWAL DV IM AUSTRL	1
8076383	MODULE, FENWAL IGN AUS 4 SEC	1
8073140	TERMINAL PUSH ON INSULATED .187	1
8197963	INSTRUCTIONS	1

1. Disconnect power from the fryer.
2. Remove the bezel.
3. Lower the controller and disconnect the harnesses from the controller (see Figure 1).
4. Remove the controller and set aside.
5. Disconnect the controller harness from the interface board (see Figure 2).
6. Disconnect the spark cables from the module (see Figure 3).
7. Carefully disconnect the white flame sense wire from the module (see Figure 4).
8. Disconnect the module harness and ground wire from the interface board ground lug (see Figure 5).
9. Remove the screws attaching the module to the control box and remove the module (see Figure 6).
10. Insert the new module as shown (see Figure 7).

Figure 1

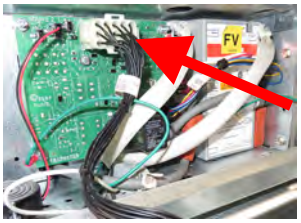

Figure 2

Figure 3

Figure 4

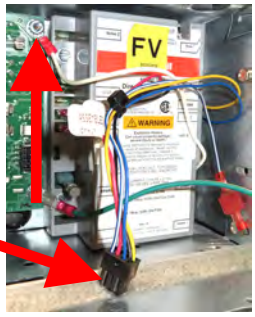

Figure 5

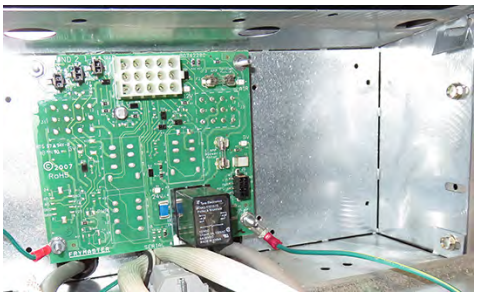

Figure 6

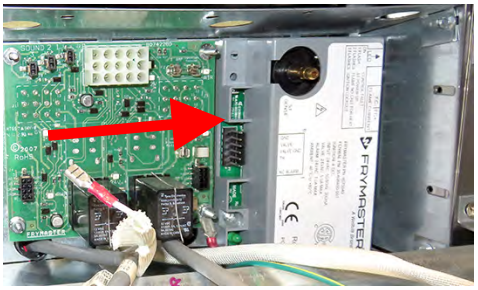

Figure 7

11. Attach the module with a two screws (one in the upper left corner and one in the lower right corner) using the existing mounting holes (see Figure 8).
12. Attach the spark cable (see Figure 9). The spark wire may have to be pulled slightly out of the control box to minimize the amount of spark cable in the control box.
13. Remove the existing ¼" terminals from the sense wires (see Figure 10).
14. Attach the included 3/16" terminals to the sense wires (see Figure 11).
15. Attach the sense wire to the module (see Figure 12). Ensure the correct sense wire is connected to the correct module.
16. ▶When replacing a Full Vat module, use the Full Vat module harness (8076545) with the blue and white striped wire.
    ▶When replacing a Dual Vat module, use the Dual Vat harness (8076546) with the blue wire.
17. The harness is attached to the module with the bevel (see Figure 13) toward the center of the module. Attach the harness in previous step to the module (see Figure 14).
18. Attach the green wire from the harness in the previous step to the interface lug in the right top corner of the interface board (see Figure 15). Ensure the nut is securely tightened.
19. The green wire spade connector from the left harness is attached to the gas valve on a full vat or to the white wire to ground on the interface board on a dual vat (see Figure 16).

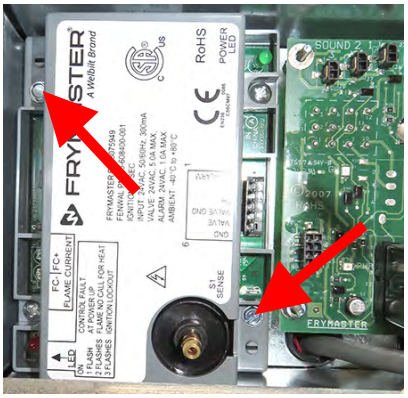

Figure 8


Figure 9


Figure 10


Figure 11

Figure 12

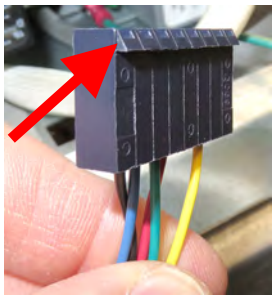
Figure 13

Figure 14

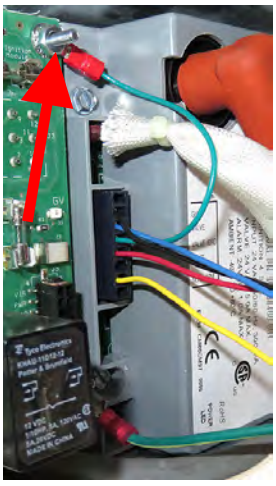
Figure 15


Figure 16

20. Connect the 8-pin micro-mate harness connector to the interface board (see Figure 17). **NOTE: If the interface board has ¼" push on terminals, use the tables on the below as a guide for wire connections. Attaching to old interface boards requires clipping the wires and terminating with ¼" push on terminals (not supplied).**

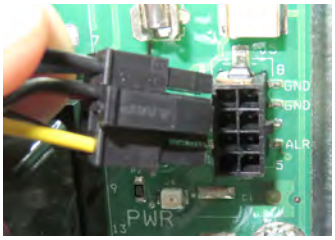

Figure 17

21. Reattach the controller harnesses and controller.
22. Reattach the bezel.
23. Reconnect to power.
24. Turn on fryer and test to ensure proper function.

H50/H55 FV — Two Modules		
Board (right)	**Wire Color**	**Module**
PWR	Red	25V
VIS	Blue/White	Valve
ALR	Yellow	Alarm
GND	Black	GND 25
VID	Blue	Not Used
Board (left)	**Wire Color**	**Module**
PWR	Red	25V
V2D	Blue	Not Used
AD*	Yellow	Not Used
V2S	Blue/White	Valve
GND	Black	25V GND
* NOTE: The left module alarm is not required on this board.		

H50/55 Dual Vat — Two Modules		
Board (right)	**Wire Color**	**Module**
PWR	Red	25V
V1D	Blue	Valve
ALR	Yellow	Alarm
GND	Black	25V GND
V1S	Blue/White	Not Used
Board (left)	**Wire Color**	**Module**
PWR	Red	25V
V2D	Blue	Valve
AD	Yellow	Alarm
V2S	Blue/White	Not Used
GND	Black	25V GND