

CONTROL BOARD (DBM34A) KIT #FE3980B851 REPLACEMENT INSTRUCTIONS

Kit installation shall be completed by qualified agency.

⚠ WARNING

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with boiler.

1. Follow instructions TO TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

⚠ WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel.

2. Remove front jacket casing per instructions found in Installation, Operation & Maintenance Manual.

⚠ WARNING

Burn hazard. Verify heat exchanger has cooled or use appropriate personal protection equipment.

3. Remove 2 screws on lower right of control housing. See Figure 1.
4. Slide control housing forward. Control housing will fold down on the built in hinge. See Figure 2.
5. Remove two back cover screws.
6. Disconnect all wiring connectors
7. Remove two (2) screws holding board in place. Slide board out. See Figure 3.
8. Replace board and wiring connectors.
9. Replace back cover.
10. Fold control housing up. Slide control housing back into position. Secure with screws.
11. Remove any call for heat or hot water.
12. Turn gas to appliance On following procedure found on boiler or in Installation, Operation & Maintenance Manual.
13. Apply power to boiler.
14. Configure control for proper boiler size and type.

Figure 1

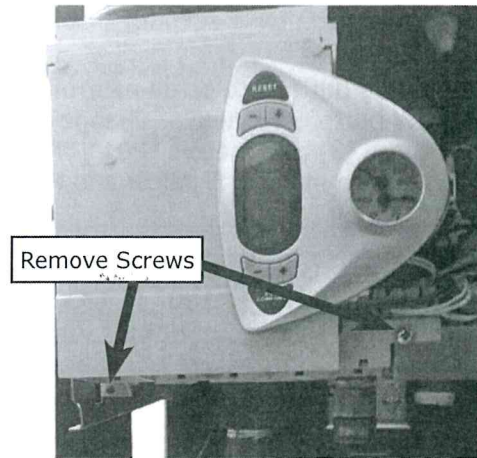


Figure 2

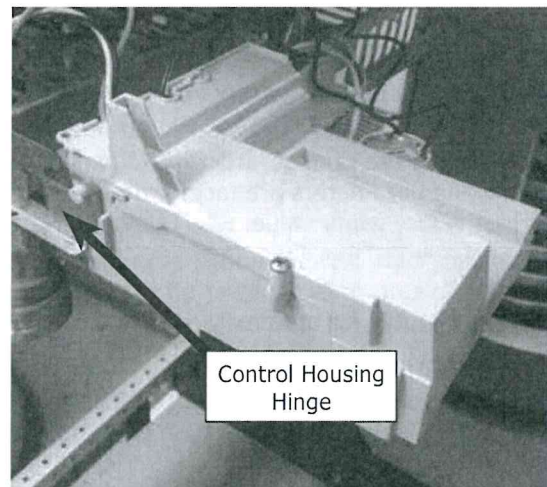
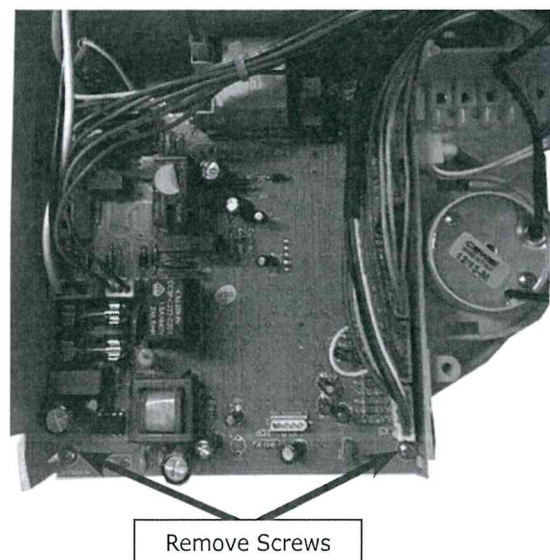


Figure 3

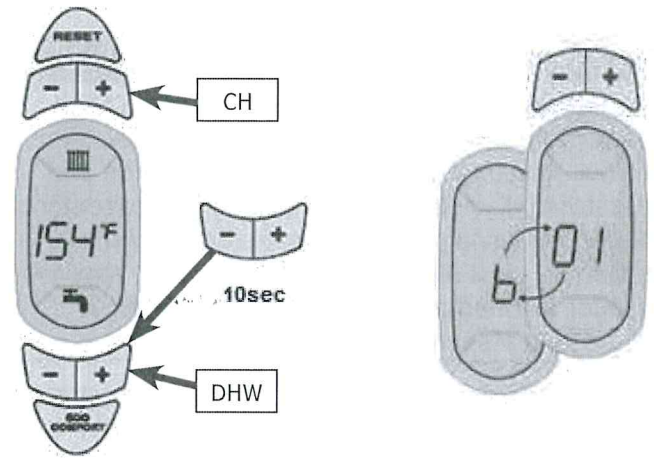


CONTROL BOARD REPLACEMENT INSTRUCTIONS

To access to "tS" parameter:

- A. Press and hold Reset button for 10 seconds. Display will read "tS". Release button.
- B. Press Reset button for 1 second. Display will read "P01".
- C. Press Heating buttons to scroll parameter list. Press DHW buttons to view or change a parameter. Set three (3) parameters "P01", "P02" and "P23" as shown in Table 1 below and Figure 4.

Figure 4



tS Menù		CCB 150	CHB 100	CHB 130	CHB 150
P01	Gas Type	0=Natural Gas 1=LP Gas			
P02	Boiler Type	1	2	2	2
P23	External CH Pump Control	3	3	3	3

To access Configuration menu:

- A. Press (DHW) + and - , hold both buttons for 10 seconds; "b01" appears and flashes.
 - B. Press Heating buttons to scroll Configuration list. Press DHW buttons to view or change a setting.
 - C. Change only the Configuration "b01" per Table 2. Remaining parameters are factory defaulted to the correct value, verify value. See Table 3.
 - D. Press and hold (DHW) + and -, both buttons for 10 seconds to exit, or turn power off then on, or wait two (2) minutes for auto exit.
15. Replace jacket casing.
16. Verify proper operation by following START UP PROCEDURE in Installation, Operation & Maintenance Manual.

Parameter	Description	Setting
b01	Curve Selection	Default = 2
b01	CHB-100	0
b01	CHB-130	1
b01	CHB-150	2
b01	CCB-150	2

Configuration Menu		CCB-150	CHB-130	CHB-100	CHB-150
b01	Power Selection	2	1	0	2
b02	Offset max. setpoint air signal	0	0	0	0
b03	Burner selection	0	0	0	0
b04	Offset min. setpoint air signal	40	40	40	40