

# PUMP REPLACEMENT KIT INSTRUCTIONS

## Kit #550003248

### FOR UCS & DMG 240 BOILER

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.

#### **⚠ CAUTION**

Laceration, burn hazard. Metal edges and parts may have sharp edges and/or may be hot. Use appropriate personal protection equipment to include safety glasses and gloves when installing or servicing this appliance. Failure to follow these instructions could result in minor or moderate injury.

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.

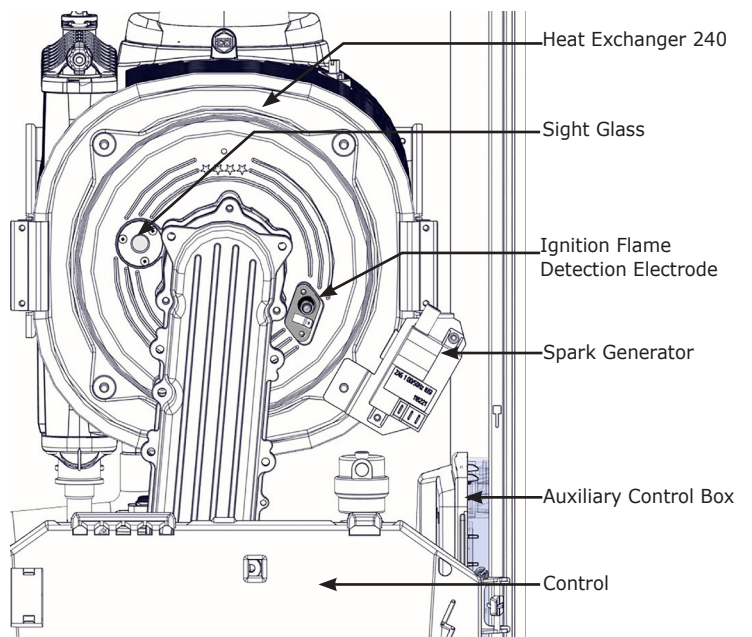
2. Turn power and gas off to appliance. Isolate boiler from system and drain boiler.
3. Remove two (2) screws from jacket cover. Lift jacket off.

#### **⚠ WARNING**

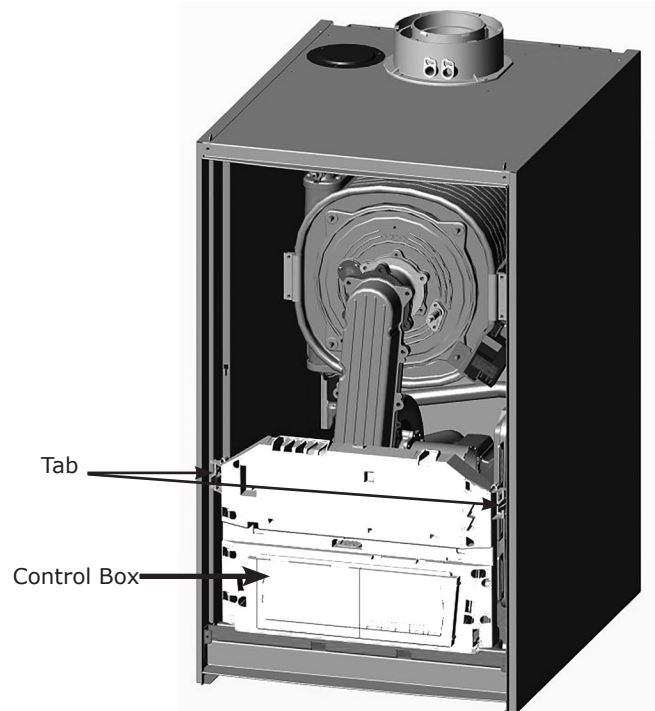
Burn hazard. Verify unit has cooled before servicing. Use appropriate personal protection equipment.

4. Inspect combustion chamber through sight glass. Verify flame is not present. See figure 1.
5. Remove right side panel. Remove screws securing panel. Unhinge panel from rear of boiler. Remove panel.
6. Press tab and place control box in down position. See Figure 2.

**Figure 1 - 240 Heat Exchanger - Front of Boiler**



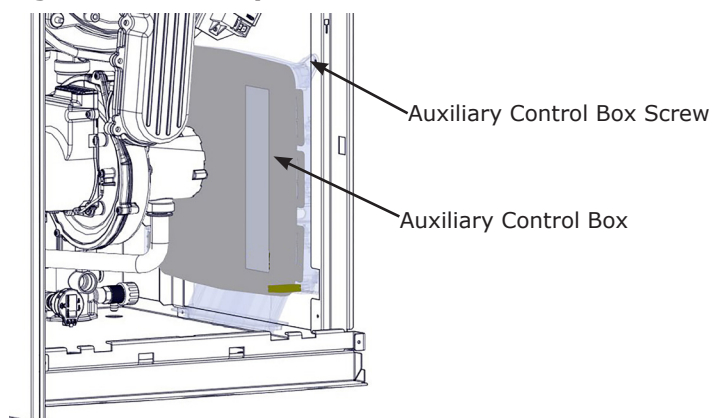
**Figure 2 - Control Panel and Tab**



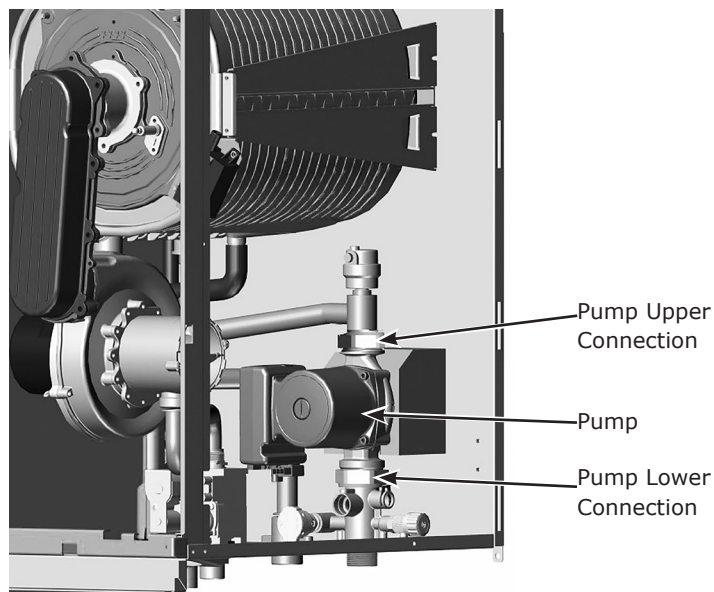
## PUMP REPLACEMENT KIT INSTRUCTIONS

7. Remove screw in upper right corner of Auxiliary Control box. Slide Auxiliary Control box toward front of boiler. Place Auxiliary control box on top of main control box. See Figure 3.
8. Remove screws from right side support. Remove support.
9. Use two (2) wrenches to loosen upper and lower nuts securing pump.
10. Push down on pump side of white connector to separate control harness from pump. Unplug power harness on pump.
11. Remove pump. Remove existing gaskets from upper and lower pump two (2) connections.
12. Connect control harness and power harness to new pump.
13. Place new pump on inlet element with pump direction arrow pointing up. Ensure new gaskets are in place. Tighten both nuts using two wrenches.
14. Reinstall right side support bracket. Secure bracket with two (2) removed screws.
15. Slide Auxiliary control box towards back of boiler. Engage tabs on Auxiliary control box with slots in support bracket. Secure with removed screw from upper right hand corner of Auxiliary Control Box.
16. Reinstall right side panel, secure with removed screws.
17. Fill boiler. Remove air and check for leaks.
18. Place Control Box in upright position.. See Figure 2.
19. Turn power and gas on. Check for leaks.
20. Resume operation using OPERATING INSTRUCTIONS found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual.
21. Install front panel secure with screws.
22. Verify proper operation.

**Figure 3 - Auxiliary Control Box**



**Figure 4 - Pump with Right Side Panel and Support Removed**



<b>Pump Replacement Kit 550003248 -Includes:</b>		
Description	PART #	Qty
PUMP 115V 60HZ	-	1
GASKET 1/2	-	2
PUMP REPLACEMENT KIT INSTRUCTIONS	240011702	1

Check our website frequently for updates: [www.ecrinternational.com](http://www.ecrinternational.com)