

# RETURN INLET ASSEMBLY REPLACEMENT KIT INSTRUCTIONS

## Kit #550003252

### 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.

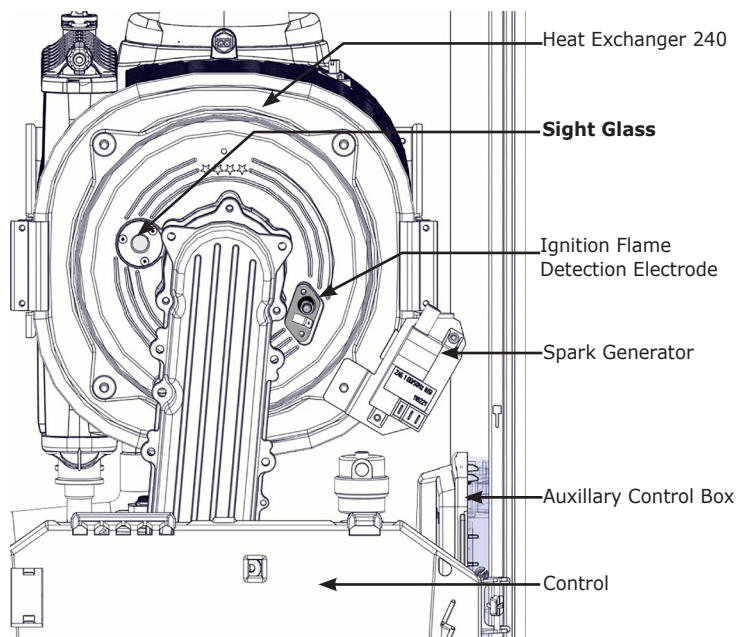
2. Turn electric, water and gas off to appliance.
3. Isolate boiler from system. Drain boiler through drain tap on inlet assembly.
4. Remove two (2) screws from jacket cover. Lift jacket off.

#### **⚠ WARNING**

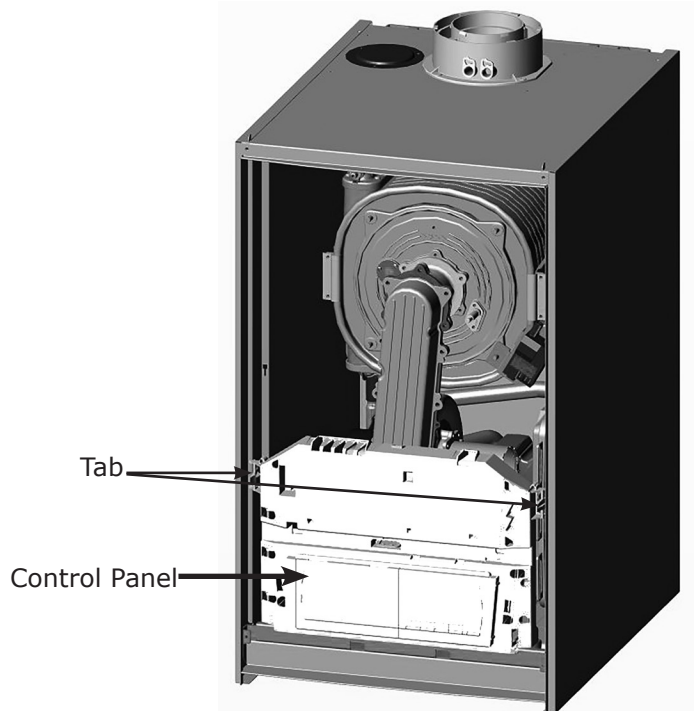
Burn hazard. Verify unit has cooled before servicing. Use appropriate personal protection equipment.

5. Inspect combustion chamber through sight glass. Verify flame is not present. See figure 1.
6. Remove right side panel. Remove screws securing panel. Unhinge panel from rear of boiler. Remove panel.

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



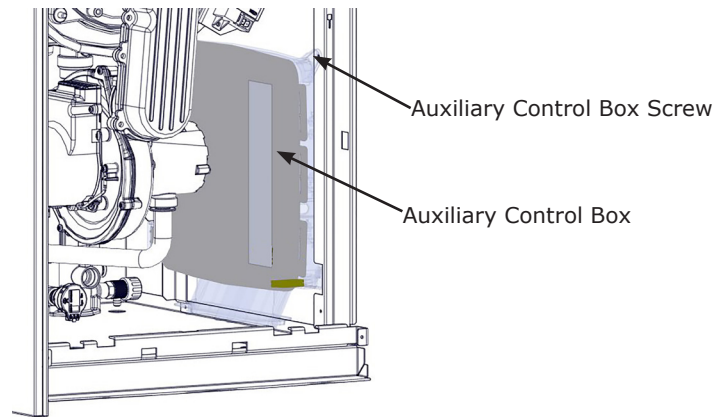
**Figure 2 - Control Panel and Tab**



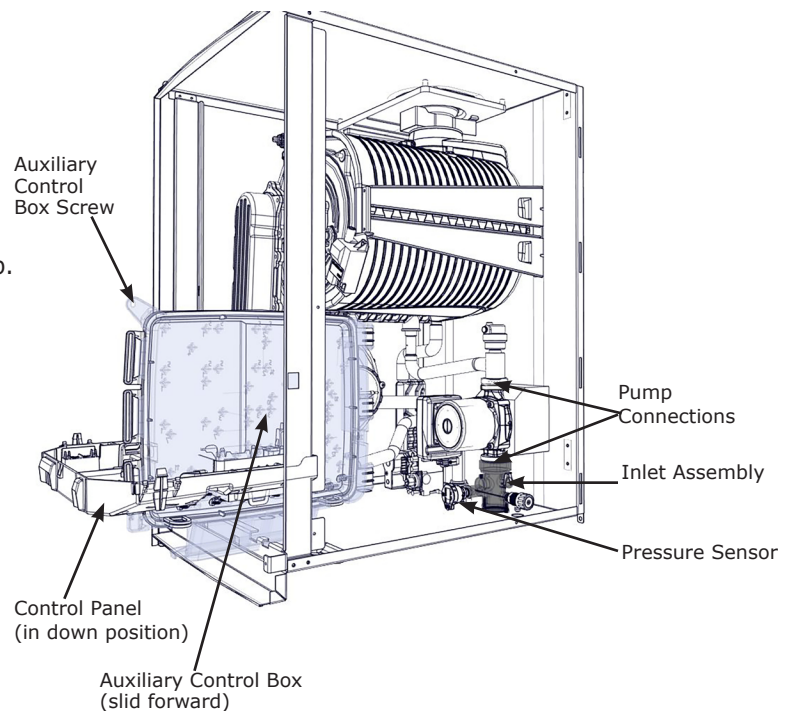
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7. Press tabs and place control panel in down position. See Figure 2.
8. Remove screw in upper right corner of Auxiliary Control box. Slide Auxiliary Control box toward front of boiler. Place Auxiliary control box on top of main control box. See Figures 3 and 4.
9. Remove screws from right side support. Remove support.
10. Disconnect return connection from inlet assembly outside bottom of boiler. See Figure 4.
11. Isolate pump from inlet and return assemblies. Loosen upper and lower connections to pump using two (2) wrenches. Set pump aside onto bottom panel.
12. Remove clip securing pressure sensor. Remove pressure sensor from inlet assembly.
13. Remove two (2) screws securing inlet assembly to bottom panel.
14. Install new inlet assembly and gasket. Secure with two screws to bottom panel of boiler.
15. Install pressure sensor with clip into inlet assembly.
16. Place new gaskets at inlet and return connections of pump. Reinstall pump. Tighten nuts using two (2) wrenches.
17. Reinstall right side support bracket with two removed screws.
18. Slide auxiliary control box towards back of boiler. Engage tabs on auxiliary control box with slots in right support. Secure with screw in upper right corner. See Figure 4.
19. Reinstall right side panel and secure with screws.
20. Reattach external return piping to boiler.
21. Turn water on. Fill boiler. Purge air from system. Check for leaks.
22. Turn power and gas on. Check for leaks.
23. Position control panel in up position. See Figure 2.
24. Resume operation using OPERATING INSTRUCTIONS found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual.
25. Install front panel secure with screws.
26. Verify proper operation.

**Figure 3 - Auxiliary Control Box**



**Figure 4 - Inlet Assembly**



<b>Return Inlet Assembly Replacement Kit 550003252 -Includes:</b>		
<b>Description</b>	<b>PART #</b>	<b>Qty</b>
INLET ELEMENT G1	-	1
DRAIN TAP	-	1
GASKET	-	2
CHAMBER GASKET	-	1
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