

ECR97 CONDENSATE COLLECTOR KIT INSTRUCTIONS

ECR97 - 075/100 Kit #550002194

Kit installation shall be completed by qualified agency.

⚠ WARNING

Kit shall be installed by qualified service agency in accordance with manufacturer's instructions and all applicable codes and requirements of authority having jurisdiction. If information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. Qualified service agency is responsible for proper installation of this kit.

Tools required:

- 3/8" socket with 6" extension and ratchet
- 7/16" Deep well socket
- Spring hose clamp pliers
- Silicone Sealant

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 jacket from boiler. Grasp front cover at lip behind plastic smoke-colored control cover. Pull forward to release snap action latches. Lift jacket up and off bottom jacket rest.

⚠ WARNING

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

3. Inspect combustion chamber through sight glass. Verify flame is not present. See Figure 2.
4. Lift control panel up slightly to clear top tab from notch in jacket then fold control panel down. See Figure 1.
5. Disconnect condensate trap. Expand upper collect clip using hose clamp pliers. Disconnect condensate trap from condensate collector. See Figure 3.
6. Remove pressure switch hose, if present.
7. Condensate Collector Removal
 - Disconnect wire harness from vent temperature sensor. See Figure 4, page 2.
 - Loosen upper hose clamp securing condensate collector to flue pipe using 3/8" socket with 6" extension.
 - Remove 1/4-20 hex flange nuts securing condensate collector to heat exchanger using 7/16" deep well socket.
 - Remove condensate collector assembly from heat exchanger and flue pipe.

Figure 1 Internal Access Panel Closed with Latch

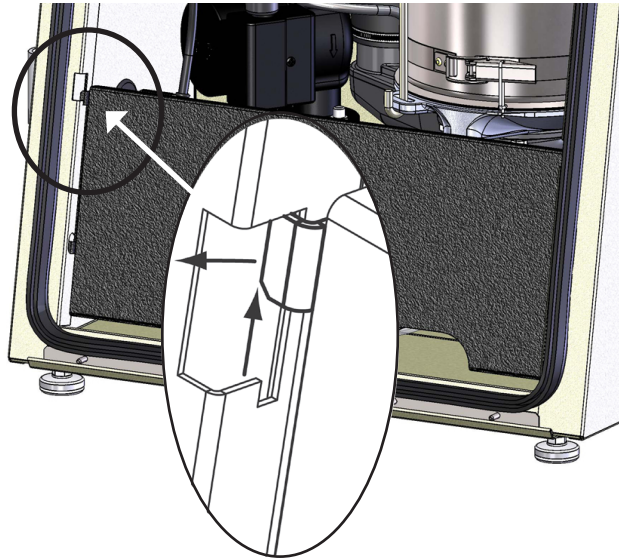


Figure 2 Site Glass

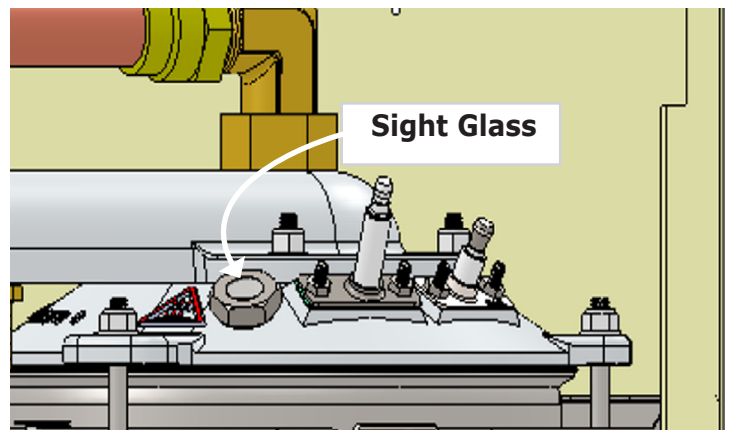
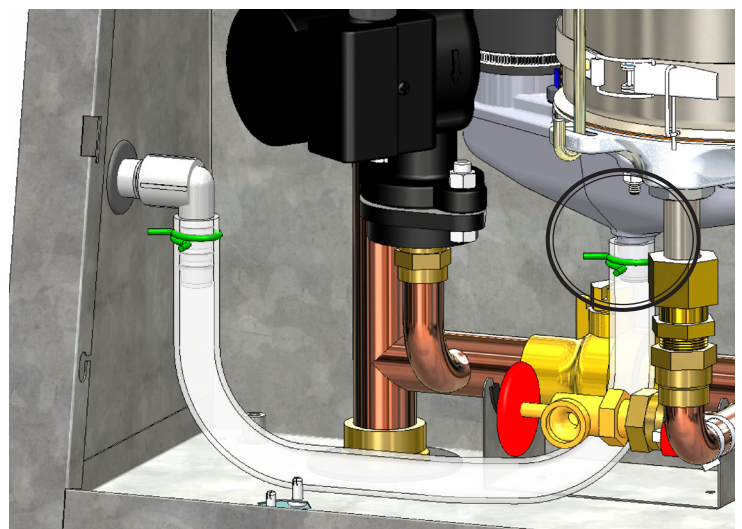


Figure 3 Condensate Trap



8. Install New Condensate Collector

- Place flexible coupling and hose clamps onto condensate collector assembly. Tighten lower hose clamp. See Figure 6.
- Apply thin film of silicone sealant to condensate collector recess. Place new o-ring into recess. See Figure 6. Use silicone sealant sparingly - helps hold o-ring in place and is not necessary for sealing.
- Position condensate collector assembly under heat exchanger. Push assembly over heat exchanger studs while engaging flexible coupling onto flue pipe. Secure with 1/4-20 hex flange nuts. Do not over tighten. See Figure 5.
- Verify flue pipe is fully seated into flexible coupling. Tighten upper hose clamp. Figure 4.
- Attach wire harness to vent temperature sensor.

9. Connect condensate trap. Expand collet clip and place over end of condensate trap. Insert condensate trap onto condensate collector barb. Secure with collet clip.

10. Attach pressure switch hose to barb fitting, if present. Secure with clamp.

11. General Finish Instructions

- Resume operation using OPERATING INSTRUCTIONS found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual.
- Verify proper operation by following START UP PROCEDURE in Installation, Operation & Maintenance Manual.
- Install front jacket panel.

Figure 4 Condensate Collector

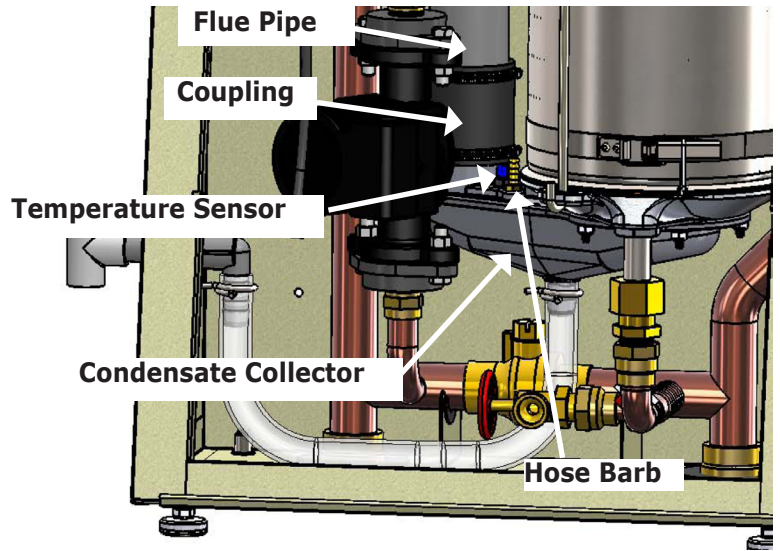


Figure 5 Push Upward onto Studs

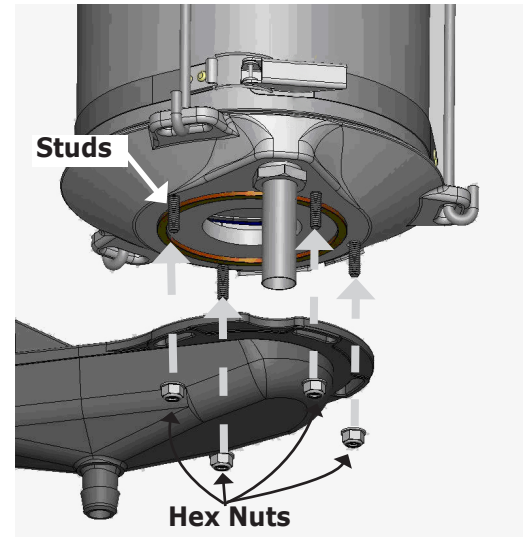
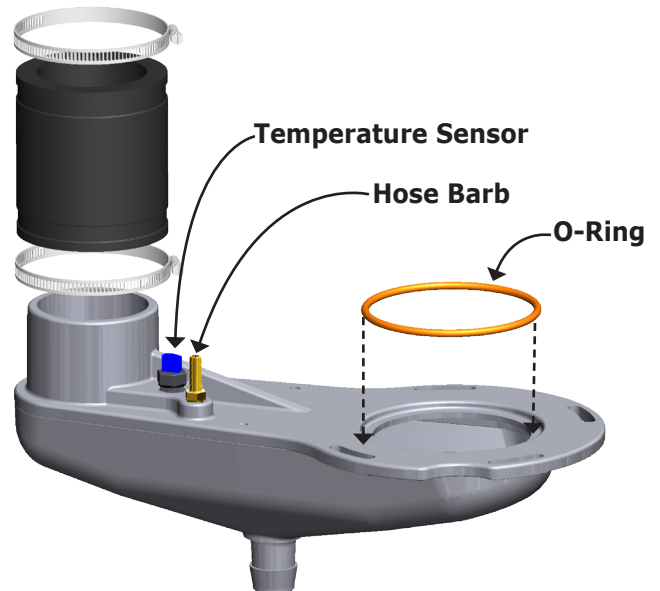


Figure 6 O-Ring Placement



PARTS LIST

ECR97 Condensate Collector Kit #550002194		
DESCRIPTION	PART #	QTY
Hose, 3" x 2-3/8" ID x 2-3/4"OD, 7900	-	1
Sensor, Flue	240008227	1
Hose Barb	-	1
O-Ring, Condensate Collector	240008261	1
Nut, 1/4-20 HWS	-	4
Condensate Collector Plastic	-	1
Clamp, SS, Ideal #44	-	2
Instructions	240008596	1

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