

ECR97 COMMON COMPONENTS KIT INSTRUCTIONS

ECR97 - 075/100 Kit #550002200

⚠ 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.

NOTICE

Verify proper operation after servicing.

Service Switch

1. Follow instructions To Turn Off Gas To Appliance found on Operating Instructions label inside jacket or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.
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 support rest.
3. Locate service switch on left side of chassis. Disconnect wires from switch. See Figure 1 & 2.
4. Squeeze tabs on sides of switch and push through to outside chassis.
5. Snap new switch into position noting terminal numbers (1-2-3) face chassis top.
6. Connect wires. Wires are marked "Switch 1-2-3".
 - Switch 1 is double black wire.
 - Switch 2 is single black wire.
 - Switch 3 is double white wire.
7. Follow startup procedure in Installation, Operation and Maintenance manual to restore and verify operation.
8. Re-attach jacket.

Auxiliary Power Outlet

1. Follow instructions To Turn Off Gas To Appliance found on Operating Instructions label inside jacket or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.
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 support rest.

Figure 1 - Left Side of Boiler

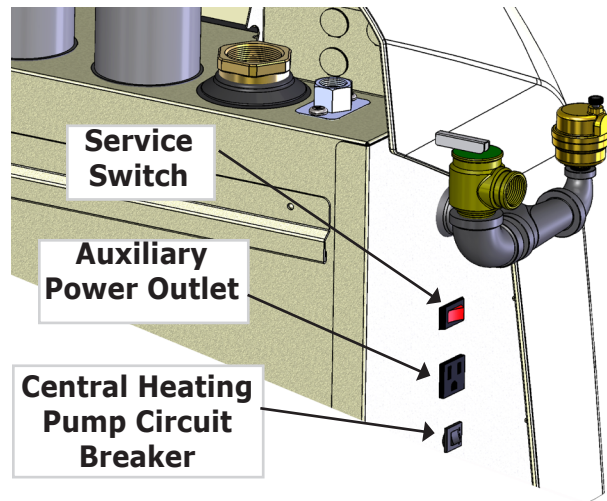


Figure 2 - Internal Wiring Connections

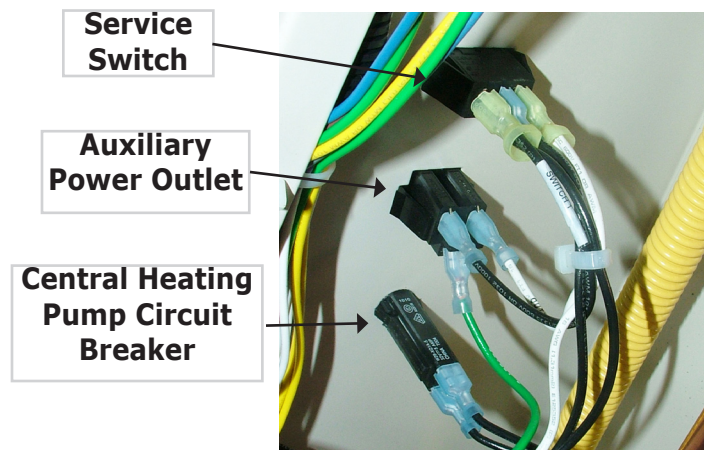
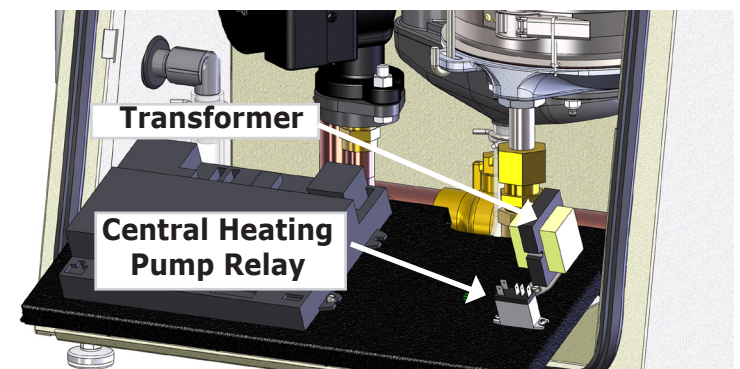


Figure 3 - Access Panel Open



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3. Locate auxiliary power outlet on left side of chassis. Disconnect wires from outlet. See Figure 1 & 2.
4. Squeeze tabs on sides of outlet and push through to outside.
5. Snap new outlet into position, reattach wires. Wires are labeled as: See Figure 2.
 - Black - Outlet L (Upper left terminal from rear)
 - White - Outlet N (Upper right terminal from rear)
 - Green - Outlet G (Bottom terminal)
6. Follow startup procedure in Installation, Operation and Maintenance manual to restore and verify operation.
7. Re-attach jacket.

Central Heating Pump Circuit Breaker

1. Follow instructions To Turn Off Gas To Appliance found on Operating Instructions label inside jacket or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.
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 support rest.
3. Locate circuit breaker on left side of chassis, remove wires from circuit breaker. See Figure 1 & 2.
4. Squeeze tabs on circuit breaker and push through to outside of chassis. Insert new circuit breaker and snap into place.
5. Reattach wires, not polarity sensitive. See Figure 2.
6. Follow startup procedure in Installation, Operation and Maintenance manual to restore and verify operation.
7. Re-attach front jacket.

Transformer

1. Follow instructions To Turn Off Gas To Appliance found on Operating Instructions label inside jacket or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.
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 support rest.
3. Fold access panel down by first lifting up slightly to clear top tab from notch in jacket, fold down.
4. Locate transformer and disconnect High and Low voltage wire harnesses. See Figure 3.
5. Remove transformer by removing (2) screws.
6. Install new transformer. Secure with screws.
7. Plug in High and Low voltage wire harnesses.
8. Fold up access panel and engage.
9. Follow startup procedure in Installation, Operation and Maintenance manual to restore and verify operation.
10. Re-attach jacket.

Central Heating Pump Relay

1. Follow instructions To Turn Off Gas To Appliance found on Operating Instructions label inside jacket or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.
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 support rest.
3. Fold access panel down by first lifting up slightly to clear top tab from notch in jacket, fold down.
4. Locate relay and remove wires note wire number and location. See Figure 3.
5. Remove (2) phillips screws to remove relay.
6. Install new relay. Secure with screws.
7. Reattach wires.
8. Fold up access panel and engage.
9. Follow startup procedure in Installation, Operation and Maintenance manual to restore and verify operation.
10. Re-attach front jacket.

Terminal Frame Replacement

1. Follow instructions To Turn Off Gas To Appliance found on Operating Instructions label inside jacket or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.
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 support rest.
3. Disconnect low voltage harness connector from socket. See Figure 4.
4. Remove (2) phillips screws on socket frame.
5. Remove terminal block frame from boiler
6. Insert new terminal block frame into top of boiler; while holding in place push lower harness connector up onto frame until it snaps in place. See Figure 5.
7. Secure terminal frame with (2) screws.
8. Plug low voltage harness connector into top of terminal frame connector. Verify connector is fully engaged.
9. Follow startup procedure in Installation, Operation and Maintenance manual to restore and verify operation.
10. Re-attach front jacket.

Figure 4 - Low Voltage Terminal Strip (Top of Boiler)

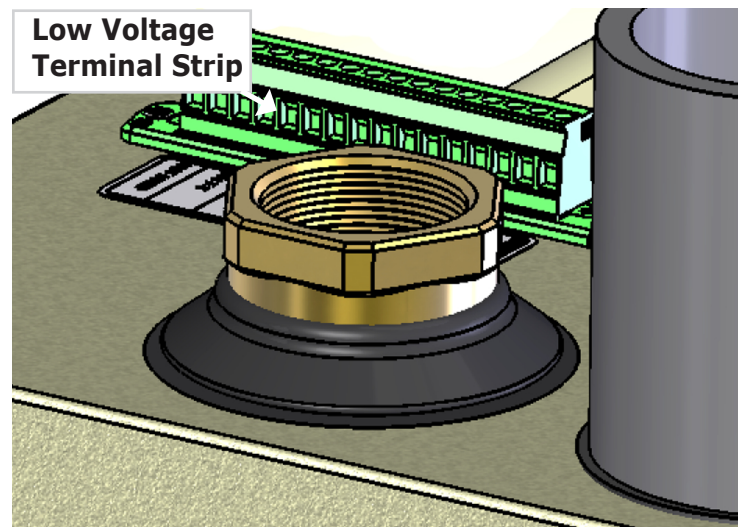
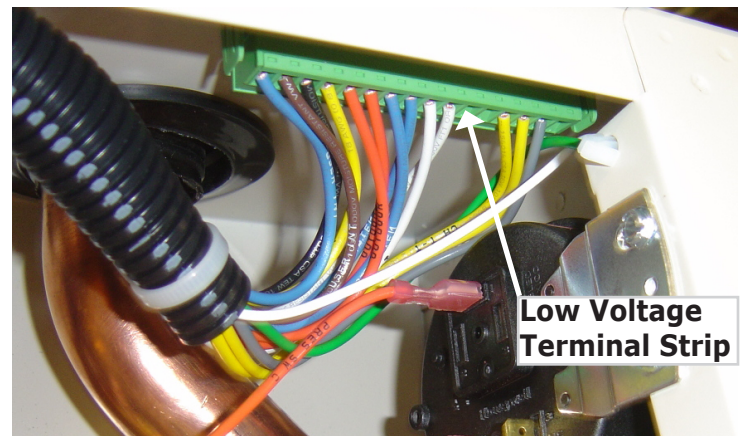


Figure 5 - Low Voltage Terminal Strip (Lower Harness)



**ECR97 COMMON COMPONENTS/STARTER KIT
INSTRUCTIONS
ECR97 - 075/100 Kit #550002200**

PARTS LIST

ECR97 Common Components/Starter Kit #550002200		
DESCRIPTION	PART #	QTY
Rocker Switch (Service Switch)	1500012	1
Receptacle (Auxiliary Power Outlet)	1407001	1
Transformer, 120V Primary, 24 Volt Secondary, 15 VA	240008279	1
Breaker (Central Heating Pump), 5AMP, 250V, W28-XQ1A-5	240008395	1
Frame, Terminal Block, Phoenix 1852163	240008407	1
Relay (Central Heating Pump), 120 VAC, Omron G2R-1-T	240008410	1
Screw, 2.5 x 6MM, Type TR-M, T8, DR, Zinc (for frame)	240008408	2
Screw, 6 x 3/8, Type B HPH, SZN	-	2
Instructions	240008601	1



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