

KNOCKDOWN ASSEMBLY

Instructions for
Excelsior Oil Fired Boiler



P/N 240007210, Rev. B [06/08]

⚠ WARNING

This assembly must be completed by a qualified installer or service agency, in accordance with the manufacturer's instructions, and in accordance with all codes and requirements of the authority having jurisdiction. Failure to follow these instructions could result in fire or explosion resulting in property damage, personal injury, or loss of life.

1. Remove all components from crate. It may be to the installer's advantage to place the cast iron boiler block close to where the final installation location will be.
3. Wrap insulation around boiler with the backing side out. Be sure to overlap the insulation underneath the boiler. Wrap the 2 banding strips around insulation and tie as shown. See *Figure 2*. Cut off excess banding material. Do not install rear insulation until step 10.

NOTICE

Boiler may be piped and pressurized before installing jackets & components.

2. Attach top and bottom intermediate rear plates to boiler with 5/16" x 1/2" bolts and washers. Be sure top flanges point toward the front of the boiler or the top panel will not fit on the boiler. See *Figure 1*. Bottom panel flanges will point rearward. Hold bottom flange to top of holes while tightening bolts.

Figure 1

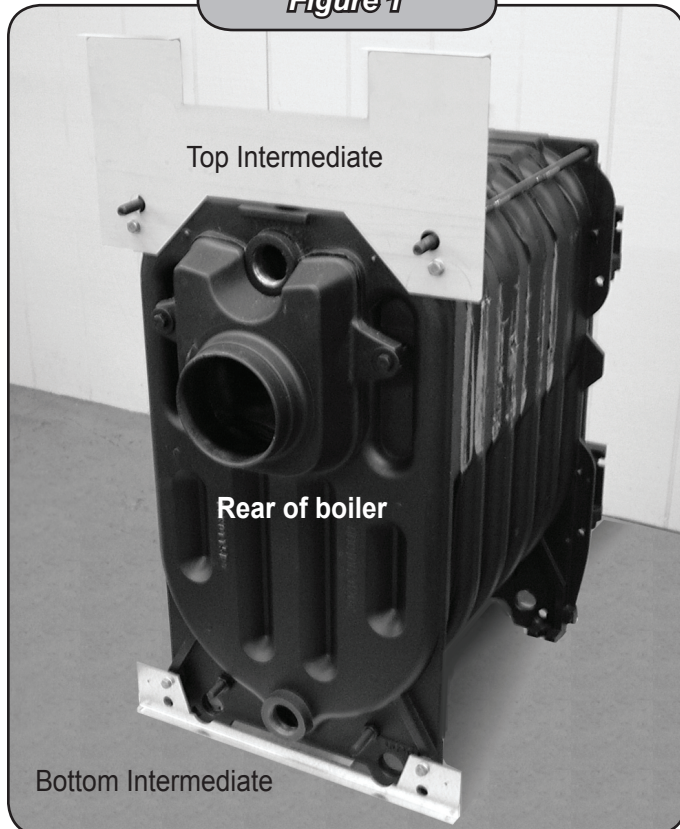
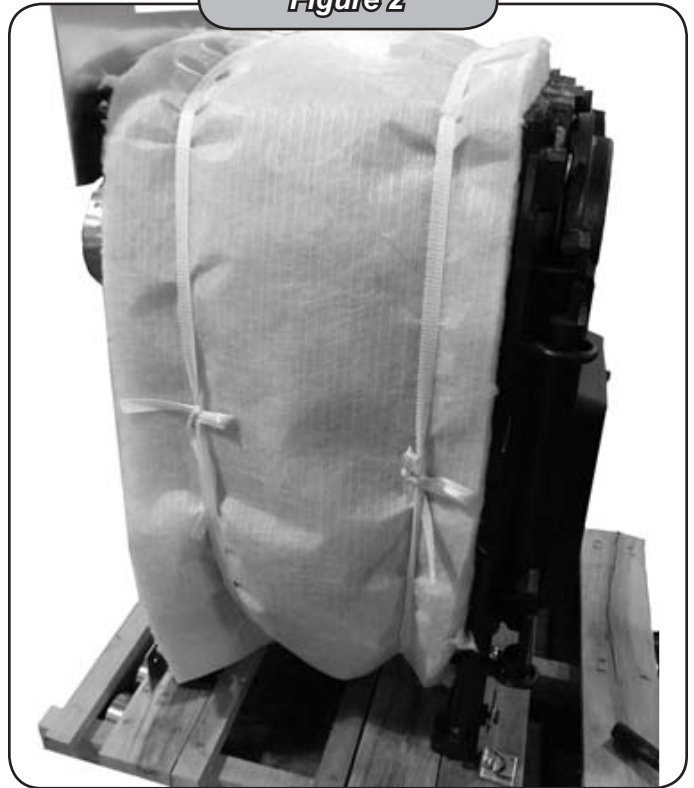


Figure 2



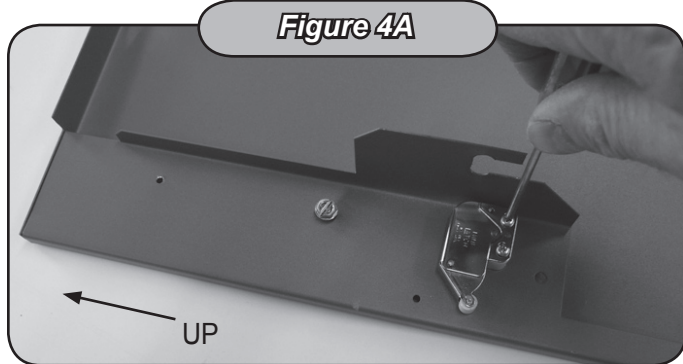
SUPPLEMENTAL INSTRUCTIONS

KNOCKDOWN BOILER ASSEMBLY

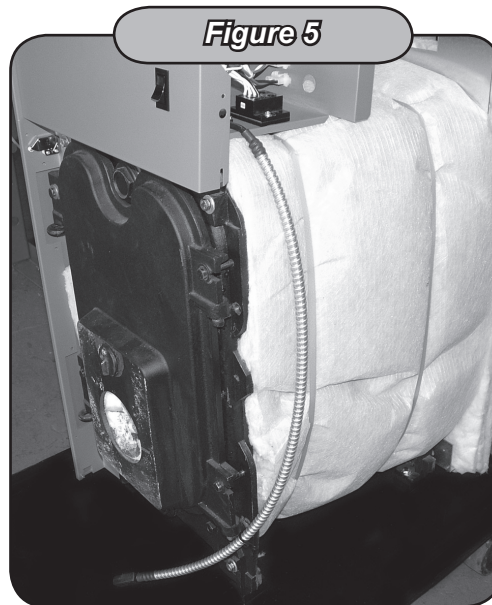
4. Attach pipe nipples to supply and return outlets. Be sure to use pipe dope before threading into boiler.
5. Insert (4) 5/16" x 1/2" bolts into threaded holes on front of boiler as shown in *Figure 4*. Do not tighten down. These bolts will hold the side Jacket panels on the boiler.



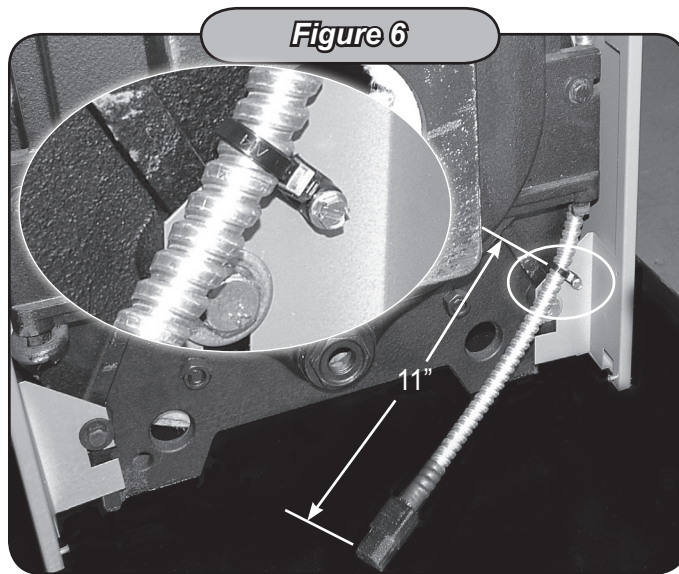
6. Attach hardware to side panels with #6x3/4" pan head philips screws. See *Figure 4A*. (The hex head screw is for mounting the control panel to the side panel, see *Figure 8*.)



7. Place the left side jacket on the 5/16" x 1/2" bolts from step 6. Place the Control Panel assembly on top of the boiler. The slot on the front of the control panel will slide over the screw in the jacket panel. See *Figure 8*. Let the burner wire harness hang down on the right side of the boiler. See *Figure 5*.



8. Attach the right side jacket to the boiler and control panel like the left side. At the rear of the boiler, be sure the panel fits over the top and bottom intermediate flanges from step 2. Note the position of the burner wire harness. See *Figure 6*. DO NOT tighten all the screws & bolts yet.

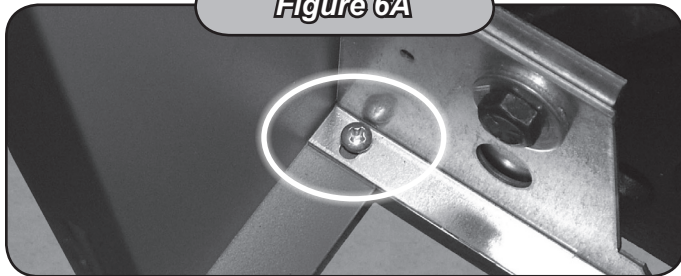


9. Attach the burner harness zip tie to right side jacket. See *Figure 6*.

KNOCKDOWN BOILER ASSEMBLY

- A. Be sure to attach the lower intermediate bracket to the rear of the side panels. See *Figure 6A*.

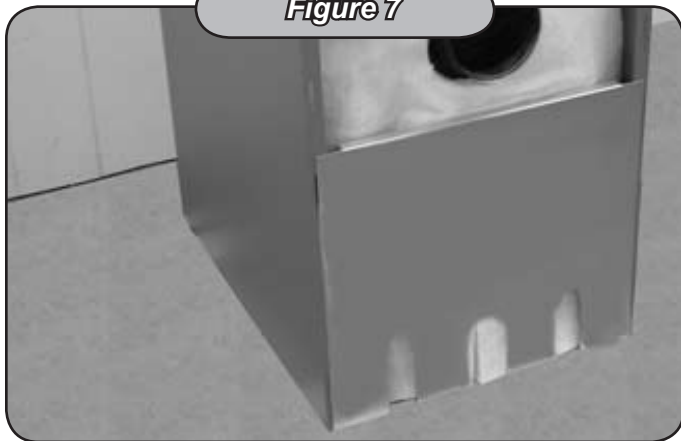
Figure 6A



10. Place rear insulation on rear of boiler.

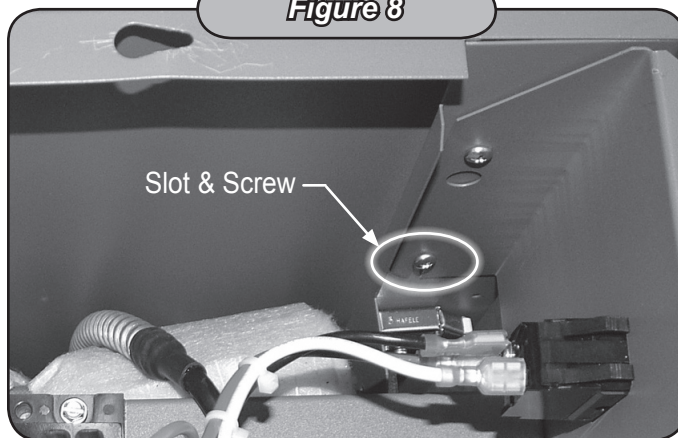
11. Attach the lower rear panel. The tabs fit into the slots in the side panels. Do not attach the upper rear panel. See *Figure 7*. (Pipes removed for clarity)

Figure 7



12. You may now tighten down the front control panel and the side panel hardware. See *Figure 8*. (Note: you may have to pull the front switch out in order to completely fasten the screws.)

Figure 8



13. Attach the 2 hinges to the Top Panel using the blue plastic snap rivets. Then, place the top panel over the sides and the front. Be sure the plastic dowels fit into the holes on the top of the side panels. (If the flanges cover holes, re-read step number 2.) See *Figure 9*.

Figure 9

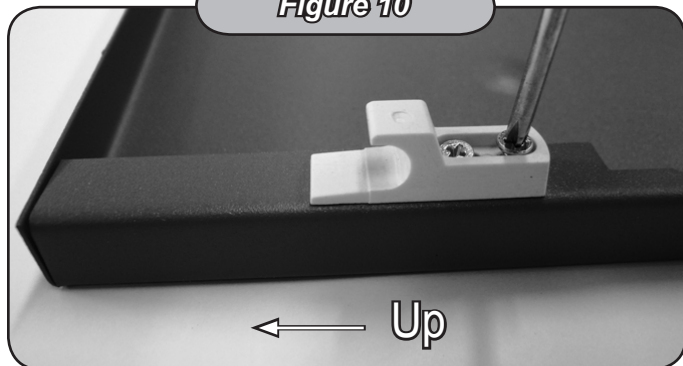


14. Attach the upper rear panel with the screws provided.

KNOCKDOWN BOILER ASSEMBLY

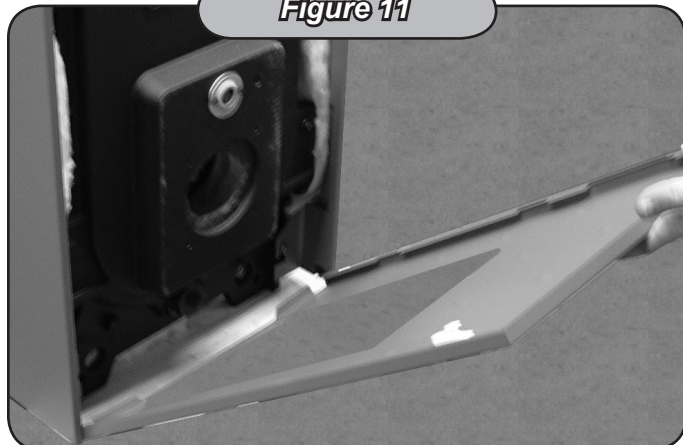
15. Attach the hooks onto the front panel with #4x1/2" phillips screws. See *Figure 10*.

Figure 10



16. Attach the front panel by setting onto the rivets in the side jackets. See *Figure 11*. Swing the door up and push where indicated until a click is heard.

Figure 11



17. Attach the top swing panel by snapping onto the hinges on the top panel. See *Figure 12*.

Figure 12



18. Proceed to "Packaged Boiler Assembly" in the Installation, Operation and Maintenance manual.

For technical assistance with this product call toll free 1-800-325-5479

ECR International

PO Box 4729

Utica, NY 13504-4729

www.ecrinternational.com