

INSTALLING AN OPTIONAL SEALED COMBUSTION CIRCUIT

1. Remove the oil supply line from the burner oil pump.
2. Remove the copper 'U' tube located directly above the oil pump.
3. Remove the pump hose from 'C' port under the module. Refer to the burner diagram on page 24 in Instruction Manual.
4. Remove the other end of the hose from the oil pump.
5. Remove the two bolts that secure the oil pump to the burner housing. (Save these bolts)
6. Remove the oil pump. The plastic drive coupling consists of three parts pushed together. Keep this coupling assembly on the motor shaft.
7. Remove the two screws that secure the air shutters on the burner housing. One screw (a 10-24) is just above the pump location and the other is just below it. (Save these screws)
8. Remove both shutters (The disk with the slots and the band with the slots).
9. Install the provided $\frac{1}{8}$ NPT 45° 'street ell' into the hole in the pump from where the hose was earlier removed. Use thread sealant and turn it to a position such that the outlet of the street ell will be horizontal when the pump is remounted.
10. Install adapter boot (provided) over extended housing of burner. The sponge rubber gasket (on the inside of the adapter boot) will contact the burner housing. The two exposed holes of gasket will line up with the two oil pump bolt holes. (The left edge of adapter will essentially be in a vertical position).
11. Using bolts saved on step 5 above re-install oil pump with coupling connecting both shafts. Before tightening bolts, move adapter boot and oil pump to insure alignment and concentricity.
12. Attach oil hose to the $\frac{1}{8}$ NPT 45° 'street ell'. Use thread sealant.
13. Re-attach other end of hose to 'C' port on module.
14. Re-install the copper 'U' tube removed earlier.
15. Re-install oil inlet line to the burner pump.
16. Cut a four-inch hole through building wall near burner.
17. Install provided vent and secure to building wall.
18. Connect four-inch ducting between vent and port of burner adapter. Procure ducting at hardware store.
19. Secure ducting with ring clamps.
20. Start burner and allow flame to stabilize.
21. Adjust air shutter (located on installed burner adapter) to obtain proper flame. Initial setting should be 50.
22. Secure locking screw to prevent movement of air shutter.

Note: It is important that the air brought into the burner through the sealed combustion adapter boot is allowed to warm up. Cold outside air will cool the preheated oil and cause combustion problems. Longer lengths of vent pipe and/or running it along side the furnace are two options for pre-warming. Call the factory for other suggestions.

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