

INSTRUCTIONS

FOR KIT

NO. ABRSH380-3

**OIL HEAT EXCHANGER
CLEAN-OUT KIT**

WARNING

DO NOT USE SOLVENTS IN CLEANING THIS FURNACE AND FOR YOUR SAFETY, DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE. FAILURE TO COMPLY CAN RESULT IN EXPLOSION AND FIRE.

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THE INSTALLATION INSTRUCTIONS PROVIDED WITH THIS FURNACE. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR OIL SUPPLIER.

KIT INCLUDES:

- 1) Clean-out brush
- 2) Vinyl tubing
- 3) Instructions

CLEAN-OUT PROCEDURE FOR HEAT EXCHANGERS WITHOUT CLEAN-OUT TUBES.

1. Turn off power and oil supply to unit.
2. Remove the flue pipe section connecting the furnace to the chimney. Clean as necessary with clean-out brush and vacuum.
3. If your furnace has a flue box, remove the flue box cover (2 screws) to expose the furnace's heat exchanger. Carefully clean the flue box cover as necessary.

If your furnace does not have a flue box, then continue to No. 4.

4. Adapt the vinyl tubing to your vacuum hose so that the tubing becomes a part of the vacuum attachment.
5. Clean around the flue exit of the heat exchanger.
6. Remove the 6 sheet metal screws that mount the framing of the flue collector box or flue collar to the heat exchanger. Remove framing or collar.

For rear flue models, remove square clean-out access panel (6 screws) on unit vest panel. Clean-out plate will now be exposed. Remove the 8 nuts and washers that mount the clean-out plate to the heat exchanger. Carefully remove clean-out plate and gasket from heat exchanger. If gasket is damaged it must be replaced. Your heat exchanger passageways are now accessible for cleaning.

7. Replace the 6 sheet metal screws that were removed in Step 6. This will seal the heat exchanger to the vest panel and will not allow soot to fall into the furnace cabinet during the rest of the clean-out procedure.
8. Continue cleaning the heat exchanger through the flue exit with the brush supplied with this kit. Work the brush through one side of the radiator and then through the other side of the radiator. Repeat this process so that all radiator surface is covered.
9. Remove clean-out brush and use your vacuum with vinyl hose attachment to sweep out the radiator. Work with hose through one side then the other. Repeat steps 8 and 9 until all soot and debris is removed from radiator.
10. Next, clean the crossover section of the heat exchanger between the inner drum and radiator.

To accomplish this, open the inspection door on the unit and position the clean-out brush in a slight upward position. Penetration into the heat exchanger's crossover will be noticed by feeling the brush head enter the crossover section. Clean this area thoroughly. For rear flue models the heat exchanger crossover is exposed for easy cleaning when clean-out plate is removed.

11. Inspect the combustion chamber for soot by removing burner (disconnect oil line first). **DO NOT USE BRUSH IN COMBUSTION CHAMBER!** Carefully vacuum all soot from the chamber. Once the furnace is put back into operation, the heat from the flame should burn the rest of the soot from the combustion chamber.

12. Replace oil burner and connect oil line.
13. Replace flue collector framing or collar and install flue collector cover (6 screws). For rear flue models replace gasket, clean-out cover plate (8 nuts, 8 washers) and clean-out access panel (6 screws).
14. Replace flue pipe section connecting furnace to chimney, seal all joints with approved sealant materials for the application.
15. Turn on power and oil supply.
16. Refer to unit installation Instructions for proper furnace operation and performance.

CLEAN-OUT PROCEDURE FOR HEAT EXCHANGERS WITH CLEAN-OUT TUBES.

1. Turn off power and oil supply to unit.
2. Remove the flue pipe section connecting the furnace to the chimney. Clean as necessary with clean-out brush and vacuum.
3. Remove the locking screws and the caps from the clean-out tubes, also remove the flue access elbow.
4. Using a long spiral wire brush, sweep down the outer drum of the heat exchanger.
5. Adapt the SOOTSNOOT or vinyl tubing to your vacuum hose so that the tubing becomes a part of the vacuum attachment. Then using the hose attachment and a shop vac, vacuum out all loose debris.
6. Remove the locking screw and cap from the inspection tube and using the long spiral wire brush reach upward toward the rear of the heat exchanger (reach upward toward the front of the heat exchanger on rear flue models) to clean out the crossover tube.
7. Continue cleaning the heat exchanger through the flue exit, inspection tube and clean-out tubes with the long spiral wire brush supplied with this kit. Work the brush through one side of the radiator and then through the other side of the radiator. Repeat this process so that all of the radiator surface is covered. **DO NOT** brush downward as the combustion chamber could be damaged.
8. **DO NOT** attempt to clean the combustion chamber with the brush, as it can be easily damaged.
9. Inspect the combustion chamber for soot by removing the burner (disconnect the oil line first). **DO NOT** use the brush in the combustion chamber! Carefully vacuum all soot from the combustion chamber. Once the furnace is put back in operation, the heat from the flame should burn the rest of the soot from the combustion chamber.
10. Replace the oil burner and reconnect the oil line.
11. Replace the three previously removed clean-out caps and the flue access elbow, making sure to reinstall the locking screws. For rear flue models replace the flue pipe and the gasket.
12. Brush out and vacuum the vent outlet area of the outer drum. Reattach the flue pipe connecting the furnace to the chimney, seal all joints with an approved sealant material for the application.
13. Clean-up around the burner, blower deck and vestibule area.
14. Turn on the power and the oil supply.
15. Refer to the unit installation instructions for proper furnace operation and performance.