



## INSTALLATION INSTRUCTIONS

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## OIL KITS AND ACCESSORIES

Technical  
Literature

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## O20 SERIES HEAT EXCHANGER CLEAN-OUT KIT

### INSTALLATION INSTRUCTIONS FOR HEAT EXCHANGER CLEAN-OUT KIT (54J98) USED ON ALL O20 SERIES UNITS.

#### SHIPPING AND PACKING LIST

- 1- Clean-out brush
- 1- Length of vinyl tubing

#### APPLICATION

This kit is may be used to clean the heat exchanger on any O20, OSR20 or OF20 series oil furnace.

#### INSTALLATION

- 1- Turn off electrical power and oil supply to the furnace.
- 2- Remove flue pipe section connecting furnace to chimney. Clean as necessary with clean-out brush and vacuum.
- 3- If the furnace is equipped with a flue box, remove the flue box cover by removing two screws. Carefully clean the flue box cover.
- 4- Adapt the enclosed vinyl tubing so that it may be connected to a vacuum. It is used as an attachment.
- 5- Use the vacuum to clean around the flue exit of the heat exchanger.
- 6- Remove six sheet metal screws securing the framing of the flue collector box or flue collar to the heat exchanger. Remove framing or collar.

*NOTE - For rear-flue models, remove square clean-out access panel on unit vestibule panel by removing six screws. Clean-out plate will now be exposed. Remove eight nuts and washers that secure 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. The heat exchanger passageways are now accessible for cleaning.*

- 7- Replace the six screw previously removed. 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 kit supplied brush. Work the brush through one side of the radiator and then through the other. Repeat this step so that the entire radiator surface is covered.
- 9- Remove clean-out brush and use your vacuum with vinyl hose attachment to sweep out the radiator. Work hose through one side of the radiator, then the other. Repeat the previous two steps until all soot and debris are removed from radiator.
- 10- The crossover section of the heat exchanger between the inner drum and radiator should be cleaned next. Open the inspection door on the unit and position the clean-out brush in a slightly upward position. The brush end should enter the crossover section. Clean this area thoroughly.

*NOTE - 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 disconnecting oil line then remove burner. **DO NOT USE BRUSH INSIDE COMBUSTION CHAMBER!** Carefully vacuum 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 connector cover using the six screws previously removed.

*NOTE - For rear-flue models, replace gasket, clean-out cover plate (using the eight nuts and washers) and clean-out access panel (using the six 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.