



Porcelain Enamel Stovepipe

Installation Instructions

General Information

Porcelain enamel stovepipe receives the same enamel formulation as an enamelled stove. However, the enamelled pipe may sometimes appear slightly lighter in color than a stove of the same color.

The variation is caused by the difference in the base materials - high grade steel for the stovepipe and cast iron for the stove - as well as by a difference in the respective curing processes.

Tiny nodules on the enamelled stovepipe are produced by the high temperature reached during the coating process and are a normal characteristic of the process.

Working with Enamelled Pipe

Vermont Castings porcelain enamel stovepipe fits together neatly, and requires only that the joints between each section be secured with four (4) #10 x 1/2" sheet metal screws (included). Pilot holes are located in the non-crimped end of each section to simplify the drilling of the screw holes in the next section of pipe.

Handle the porcelain enamel stovepipe with care.

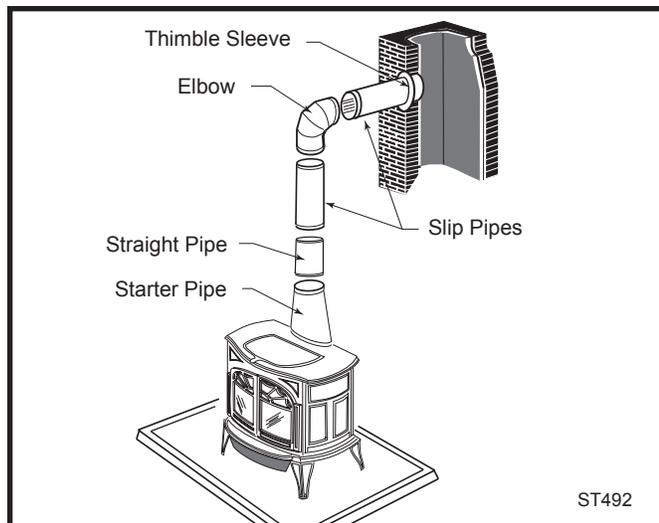


Fig. 1 Some of the pieces of an enamelled pipe installation.

Although it is durable, the finish can chip if it comes in contact with another hard object. When working with it, always lay the sections on a padded surface to protect the finish.

Installation Instructions

Tools needed:

- Phillips screwdriver
- Electric drill
- Sabre saw, rod saw, or hack saw
- Metal saw blades
- Tungsten carbide saw blades
- Safety glasses
- Work glasses

Assemble all the pipe sections before drilling. This will help you to confirm that you have the right length for your installation and that the sections line up properly. (Fig. 1)

Refer to your stove's Owners Guide to confirm that both the stove and the stovepipe are installed with proper clearance to combustible walls and furnishings.

A Slip Pipe May Eliminate the Need to Cut the Pipe

Use an enamelled slip pipe to eliminate the need for cutting enamelled pipe. The slip pipe will fit into the adjoining pipe section best when the seams of both are aligned. (Fig. 2)

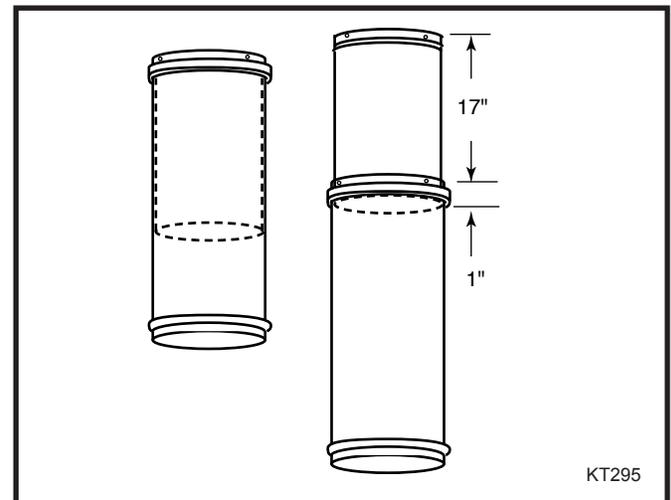


Fig. 2 The slip pipe has a maximum extended length of 17", allowing 1" to remain inside the lower pipe.

Cutting the Enamelled Pipe

1. Wrap the stovepipe with a layer of masking tape over the cut line to minimize the chipping of the finish; also use masking tape to protect areas that will be drilled.
2. Cut through the porcelain enamel finish around the pipe using a sabre saw, rod saw or hack saw with a tungsten carbide blade.
As an alternative, use a high speed grinder with a 4"-5" blade to score the enamel. As above, be sure to use masking tape over the cut line.
3. Once you have cut through the enamel, use a standard metal blade to complete the cut through the steel pipe.

ALWAYS WEAR SAFETY GLASSES WHEN CUTTING OR DRILLING STOVEPIPE.

Connecting to a Masonry Thimble

- Use a Vermont Castings 22 gauge thimble sleeve to connect a straight pipe or slip pipe to the chimney thimble. If necessary, the thimble sleeve should be trimmed so that it ends flush with the inside of the chimney liner. Or,
- Cut off the larger end of a slip pipe and insert it into the thimble so that it is flush with the inside of the chimney liner. A standard straight pipe can then be joined over the other end of the slip pipe.
- Use stove gasket and/or furnace cement to seal any gaps between the pipe and the thimble wall.

Connecting to a Prefabricated Chimney

The prefabricated chimney adapter fits over the interior wall of double-wall metal chimneys that are designed to burn solid fuel and that typically have about 1" of insulation.

Use the pipe adapter to connect pipe to a prefabricated chimney that is installed with either a roof support package or a ceiling support package. (Fig. 3)

- Fit the flanged end of the pipe adapter over the inner wall of the prefabricated chimney.
- Drill four equally spaced holes through the lower lip of the support package and through the pipe adapter. Secure the joint using the four #10 x 1/2" sheet metal screws.

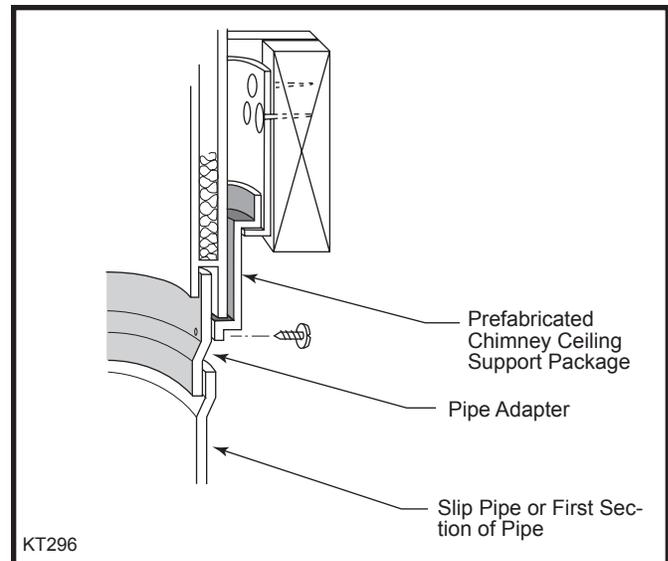


Fig. 3 Connecting to a prefabricated chimney.

Maintenance

Inspect and clean your stovepipe and chimney flue at least twice a month and clean it whenever you find deposits. Before you do, however, let the fire go out and allow the stove and stovepipe to cool.

A quick pipe inspection is possible after disconnecting the upper (flanged) end of a slip pipe and then sliding the pipe out of the way. If cleaning is necessary, disconnect the stovepipe assembly. Take it outdoors and thoroughly brush it. If your installation includes an inspection/cleanout tee, the cleaning can be done without disconnecting the pipe.

Clean the exterior porcelain enamel finish with a mild, nonabrasive cleaner such as those formulated for cleaning enamel kitchen appliances. Bon Ami and #0000 steel wool also work well. Remove all traces of the cleaner before firing the stove.

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