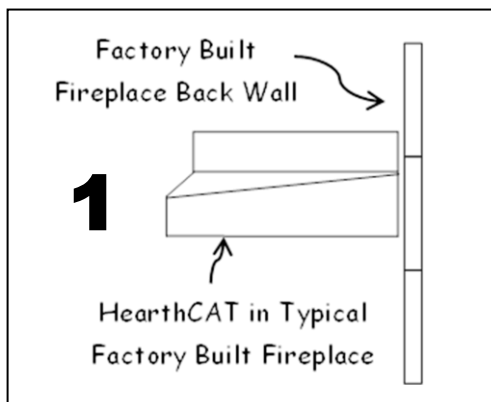


Installation of the Smoke Deflector (Limited Use Item)

For efficient catalytic operation, the **HearthCAT™** must be installed against the back wall of the fireplace. After installation, there should NOT be a gap of more than 1" between the bottom edge of the **HearthCAT™** and the back wall of the fireplace. A gap can cause unnecessary turbulence in the firebox and possible smoke spillage. The smoke deflector is designed to prevent smoke spillage.

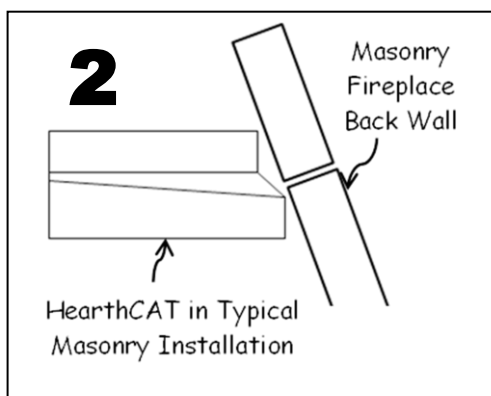
The **HearthCAT™** with the **INTEGRATE** is a flexible system that can be installed in a wide range of fireplace types and sizes. However, many of those fireplace designs are dramatically different. As an example, most factory built fireplaces will have a back wall in the firebox that is straight up-and-down. In most of those installations, the short side of the hood will be facing the back wall. Therefore, we have designed the short side of the hood with a flat surface. However, most masonry fireplaces have a back wall that is built at an angle. In most masonry fireplace installations, the long side of the hood will be facing the back wall. We have, therefore, designed the long side of the hood with an angle. However, there will be some masonry installations that require the short side of the hood with the flat surface to be installed against the back wall. This type of installation will require the smoke deflector to be installed. If this installation is required in your fireplace, follow the directions on the back page.



- 1** If you have a factory built wood burning fireplace, when you look inside the firebox, you will see that the firebox is manufactured of sheet metal construction.

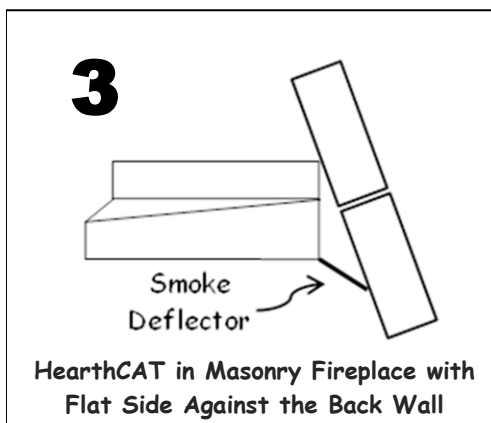
Factory built fireplaces, also called “zero-clearance” fireplaces, will almost always have a flat back wall or a back wall that is perpendicular to the base of the fireplace.

You will NOT have to install the smoke deflector if you have a factory built fireplace.



- 2** If you have a masonry wood burning fireplace, when you look inside the firebox, you will see that the firebox is manufactured with a brick and mortar construction with an elongated cast iron damper.

Masonry fireplaces will almost always have a back wall that is constructed at an angle at the top of the firebox. If the back wall has a width greater than 26”, you will NOT have to install the smoke deflector.

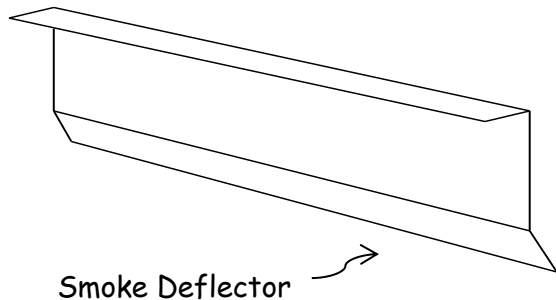


- 3** Masonry fireplaces will almost always have a back wall width greater than 26”, however, there are some smaller masonry fireplaces with a back wall dimension less than 26”. In those fireplaces, the flat side of the **HearthCAT™** will face the back wall of the firebox.

In smaller masonry fireplaces, the smoke deflector **MUST** be installed in the **HearthCAT™** hood prior to installing the **INTEGRATE**. The installation only takes about 5 minutes. Follow the directions on the back of this page.

Installation of the Smoke Deflector (Limited Use Item)

Once you have determined that you have a smaller masonry fireplace and need to install the smoke deflector in the **HearthCAT™** hood, the installation is very simple. The smoke deflector should be installed before installing the INTEGRATE into the fireplace.



Smoke Deflector

The smoke deflector is a strip of sheet metal 18" long X 5" wide. It is bent in (2) places. It is designed to be installed in the flat or short side of the **HearthCAT™** hood.

The smoke deflector is not required in most fireplace installations. It will only be required in a few smaller masonry wood burning fireplaces.

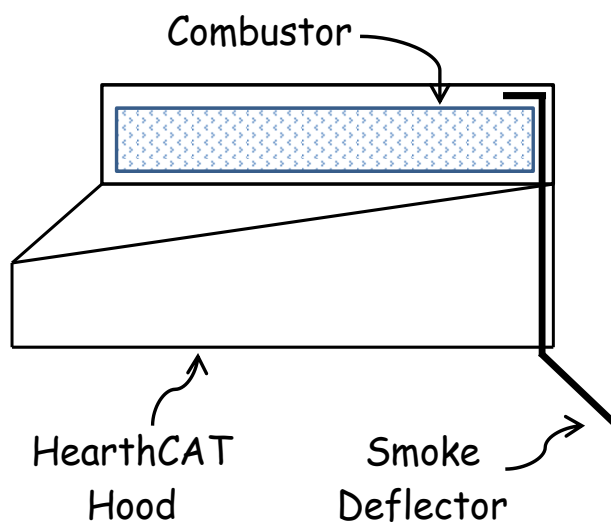
Remove the HearthCAT Combustor

In order to install the smoke deflector, you must remove the **HearthCAT™** catalytic combustor from the hood.

It is easily removed by removing the (4) screws inside the hood. The combustor can then be easily lifted out of the hood. Care should be taken when removing the combustor. Do NOT push on the ceramic surface.



Install the Smoke Deflector



After removing the 6" X 18" catalytic unit, turn the hood upside down. Insert the smoke deflector into the hood as shown in the schematic on the left. The black line represents the smoke deflector. Insure that the 90° corner bend will be held in place by the combustor.

Re-install the combustor into the hood. Again, do NOT press or push on the ceramic during the installation.

The (4) screws should be re-installed. Insure that the combustor is secure in the hood. Now you can finish the installation of the **HearthCAT™** with the INTEGRATE.

Insure that the flat side of the hood with the smoke deflector is facing the back of the fireplace.