

How to Install Furnace

Required tools for this project

1. Drill
2. Duct Materials
3. Clamp
4. Screwdrivers
5. Furnace

Having a natural-gas furnace replaced or installing a new one can be pricey. However, you can install one of these furnaces yourself, as long as you exercise caution. Dealing with gas can be dangerous even for trained, experienced professionals. But, with the right tools, some wiring knowledge, and the steps below, you can begin safely installing a new natural-gas furnace in your home.

Warning: Working with natural gas can be dangerous. If you're unfamiliar with working with natural gas, call a professional in your area to complete the job.

Step 1 – Align the Furnace

Align the furnace with the ductwork and gas pipes. Install any doors, latches, wires, and switches to the internal furnace.

Step 2 – Connect Your Furnace

Connect the plenum, or the ductwork to the new furnace. Use a clamp to ensure the duct is securely attached to the natural-gas furnace. Then, attach the boot to the new furnace.

Step 3 – Install your Natural-Gas Furnace

Now, you're ready to install your furnace to begin warming your home.

Step 4 - Connect the Gas Line

Connect the gas line to the furnace and check it for leaks. You may want to use a gas-leak detector for this step. Remove any released gas by running the flue pipes.

Step 5 - Connecting the Thermostat and Power Supply

Next, connect the thermostat and power supply by wiring them. If you are unfamiliar with wiring a thermostat and power supply, you should call a professional to help you complete this step.

Step 6 - Check for Leaks

Before lighting the furnace, wait at least 5-10 minutes. Leave the room for a little bit, and then come back in to see if you can detect the smell of natural gas. If there is no smell, there shouldn't be any leaks. You

should be safe to light the pilot of the furnace by using the given manufacturer's instructions and safety precautions.

Step 7 - Turn It On

After you have successfully installed your new natural-gas furnace, turn it on. Remember to follow the manufacturer's instructions for letting the new furnace go through its' initial run. Allow for about 1 hour for the house to get warm.