

# Sequence of Operation on a Gas Furnace

If you're having issues with your gas furnace and can't figure out why it won't switch on, it helps to learn how it works. Knowing the sequence of operation of a gas furnace will save time and money on gas furnace troubleshooting calls. You'll be able to diagnose the problem and get the gas furnace repair you actually need.

### **Types of Gas Furnace Systems**





primary & secondary heat exchangers



furnace systems are similar to other high-efficiency systems but can fully modulate gas flow



#### Common Gas Furnace Problems

- Thermostat malfunction Dirty or clogged filters
- Flickering or odd-colored pilot light
- Cracked heat exchanger Frequent and over-cycling
- Limit switch\*, flame sensor, or ignitor malfunction
- The furnace isn't blowing air or it blows cold air Worn motor bearings
- Rattling or popping noises
- \*(It's important to check the root cause of a safety
- device tripping first before assuming it's faulty)

## Sequence of Operation

Here are 10 steps of how a standard furnace system operates:



# Get The Repair Parts You Need

Technical Hot & Cold supplies furnace parts for all major brands with a 1-year warranty and returns for uninstalled parts.

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