

# Peppy Performance Furnace Tune-Up

Our friendly and knowledgeable technicians will provide you with the expert analysis of your home furnace. Our skilled technicians will run through our 21-step furnace process including investigating key components that may need to be replaced, as well as checking for dangerous leaks, faulty heat exchangers or ventilation systems.

1. **Inspecting the burner:** Our heating contractor will ensure the burner on your furnace is free of contamination, so it continues to work at its best.
2. **Cleaning air filters:** Cleaning air filters periodically will improve air flow and prevent your indoor air from becoming filled with contaminants.
3. **Cleaning blower components:** Since blower components of the system play a major part in keeping your indoor air clean, it is important to keep them clean to ensure their performance.
4. **Test combustion air openings:** Combustion air openings can become blocked and lower system efficiency. A test run will ensure that no blockage is present and if it is present, the contractor can take steps to remove it.
5. **Adjust fan control:** Adjusting the fan on your furnace will allow for better air flow, thus increasing the efficiency of the system and improving indoor air quality.
6. **Inspecting the combustion chamber:** Any contamination in the combustion chamber can prevent proper heating and, at worst, prove a major safety hazard. A contractor will clean it out, so you have a heating system that is not putting your safety at risk.
7. **Fixing thermostats:** The contractor can calibrate the thermostat in your home so it is set at a temperature that will meet your unique specifications or, if it is not working at all, determine whether you need repair or replacement.
8. **Inspecting heat exchangers:** Heat exchangers are the heart of the system, especially when it is essential to inspect the system. The transfer of heat from where it is generated to the medium that distributes through the house is critical for efficiency.
9. **Inspecting the flue:** A contractor can check the flue to see if a duct or pipe is blocked with contaminants or products of combustion are accumulating.
10. **Lubricating moving parts:** Providing components with the proper amount of lubrication will ensure the furnace doesn't start making loud noises when it operates and preserve its level of energy efficiency.
11. **Inspecting belts for cracks:** Any belt requires some flexibility, but this also means it can give way to cracks. Though the cracks on the belt might not be immediately visible, a thorough inspection of the system is needed to ensure even the smallest damage is spotted and fixed.
12. **Replacing thermocouple:** A thermocouples measures the temperature in the system, so it is essential for a contractor to check it as it proves one of the most common sources of early failure.
13. **Adjusting the pilot light:** It is important for the pilot to be functioning right for proper turn-on of the system. A contractor will also check the color of the pilot light, as a yellow pilot light can indicate the presence of carbon monoxide. P.W. Essig also offers carbon monoxide testing.
14. **Tightening electrical connections:** Electrical connections can loosen over time, especially in structures like a heating system, so tightening all of the connections prevents one common source of problems.
15. **Testing manifold gas pressures:** The manifold is where gas flows from the source to the main burners, so checking the pressure there will identify any gas flow issues.
16. **Cleaning the vestibule interior:** The vestibule creates an air lock between the inner furnace components and the outer door, so this must be kept clean to prevent contamination and inefficiency.
17. **Inspecting belts for tension and alignment:** Belts can move out of alignment or loosen as they age, which is why a professional will assess them or else you risk the belt shortening its lifespan.
18. **Checking gas line for leaks:** A gas leak is a huge safety hazard, but fortunately a heating contractor at P.W. Essig will have the experience and equipment to detect even the smallest leak, which can save you from experiencing a fire or even combustion.

19. **Check safety controls:** Safety should always be the main concern in a heating system, so the safety controls should be checked regularly to ensure your furnace will not put anyone's well-being in jeopardy.
20. **Checking for noise and vibration:** Loud noises indicate problems with the furnace's internal components, which is why a contractor will often inspect the root of the problem.
21. **Conduct operational test:** Finally, a full operational test will make sure that the tune-up was done correctly. It's the contractor's way of ensuring everything in your furnace is in working order and ready to protect you from the cold.

Our goal is to target each furnace component for optimal performance, offering solutions that may increase efficiency and longevity over time. If it's time to replace your furnace, we'll provide new furnace recommendations, offer financing options, and discounts for our Comfort Club members.

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