

Job #213417322

Maintenance Check List: GAS FURNACE

Job Details	
Customer Blake Sherman	Technician Frej Ventura
Date 3/4/2021	Location 8545 19th Avenue Northwest, Seattle, WA 98117 USA
Legend	

Part and/or System unlikely to fail, Good Condition.

Part and/or System prone to failure, OK condition.

Part and/or System failed or failure occurring, Poor Condition.

Model and Serial Number

Please upload a photo of the name plate.



Condition of Condensate Pump

Some systems require a pump to move the condensate to a drain



"Na"

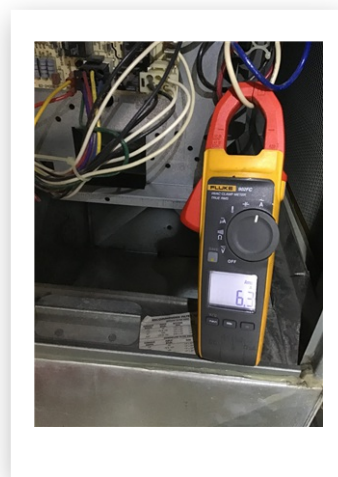
Condition of Ductwork

Verify condition of ducting, including insulation, size and leakage.



Condition of Blower Motor

Powers the fan that blows air throughout the home.



"High amp draw 6.3 amps "

Condition of Blower Wheel

Spinning portion of fan which must remain clean and balanced to operate properly.



"Huge shaft play "

Condition of Burners

This is the device that mixes the fuel and air and burns the gas in the heat exchanger. It is vital to have the burners operating properly for safety and efficiency reasons.



"Sign of wear Brushed to remove debris "

Condition of Combustion Air Blower

This component pulls the flue gases from the heat exchangers and sends it outside



"Bad operation Leaking 1.4/1.7 amps "

Condition of Pilot Assembly / Igniter

This component is needed to properly ignite the burners.



"Whitish "

Condition of Flame Rod

This component senses the flame when the system is running and will shut down the gas valve if the flame is lost.



Condition of Heat Exchanger

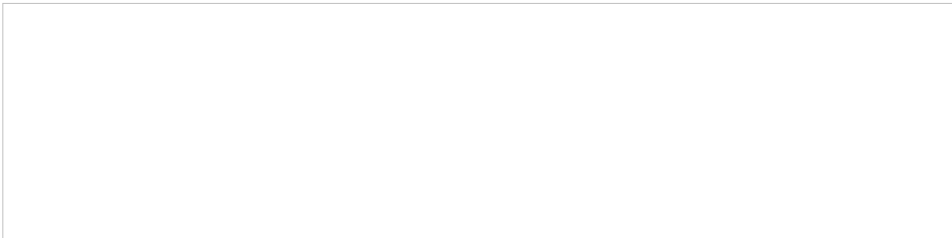
The heat exchanger is a key component to separate the flue gases from the burning of the fuel and the water or air used to heat your home or water. If it is cracked or broken the potential for Carbon Monoxide to enter your home greatly increases and can be very dangerous.



"Rusty"

Heat Exchanger Failure

In the event of a heat exchanger failure, please review options with homeowner and have them sign. Be sure to explain the dangers of a cracked heat exchanger and the possibilities of Carbon Monoxide entering the home.



Check Gas Pressure

Normal

Verify Thermostat Settings

The thermostat starts and stops the system. It controls the temperature of the home based on set points and a time clock.

- Verify proper operation

Record Readings of Delta T

This is the temperature difference across the heat exchanger.

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Clean Condensate Pans and Drains

The primary purpose of a condensate pan is to collect condensate and move it to a drain safely.

- N/A

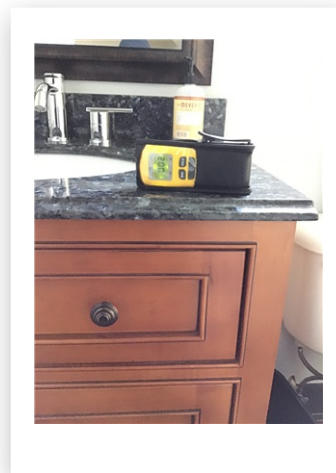
Verify Electrical Components



Verify all other electrical components are operating properly.

- High Voltage
- Low Voltage
- Wiring

Check for Carbon Monoxide

The home has traces of carbon monoxide



<p>Are there Carbon Monoxide Detectors Present?</p> <p>Yes</p>	<p>Size of Filter</p> <p>16x25x5</p>
<p>Did we replace filter?</p> <p>Left current filter in place</p>	<p>Age of Equipment in Years</p> <p>22</p>
<p>General Condition of System</p> <p>The industry average has a system replaced every 12-15 year in the US. Systems over 12 years old should always be considered for a replacement before a major component failure occurs.</p> <p></p> 	<p>Final Check</p> <p>Verify that all switches, valves are turned on, furnace door is closed, etc. and that the system is operating.</p> <p>System is operating</p>
<p>Recommendations</p> <p>Recommendations for system enhancements or repairs</p> <p>Due to its age, condition, repair cost and future problems that might occur recommend new system for safety and efficiency</p>	

Customer Signature

Reviewed above tasks with Customer

Avoiding Contact