



HVAC THOROUGH EVALUATION TOOL



CN210812

Customer: Herbert, Daniel Comfort Club Member: Yes No Technician: Brian H

Unit serves: Whole Home Indoor Temp: 73° Outside Temp: 89°

THERMOSTAT EVALUATION		N/A	GOOD	FAIR	POOR
Thermostat: Note Type, Assess location and customer satisfaction	Notes: <u>Hexwell Proa</u>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
DUCT SYSTEM EVALUATION					
Duct Integrity: Condition, Leakage	Notes: <u>Good</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Total System Static:	Notes: <u>0.3</u>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Accessories: UV light/Humidifiers	Notes: <u>Whole House Air Cleaner</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
INDOOR EQUIPMENT EVALUATION					
Model Number: <u>GMS80904BN</u>	Serial Number: <u>1107690392</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Filter: <u>20x25x5</u> QTY: <u>1</u> MERV: <u>11</u>	<input checked="" type="radio"/> Replaced	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check High & Low Voltage	High Voltage: <u>115v</u> Low Voltage: <u>24v</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Control Board Operation & Tighten Wires	Notes: <u>Good</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Blower Motor Operation	Rated: <u>1.9amps</u> Field: <u>4.3</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Blower Wheel Assembly: (Wheel)	<input checked="" type="radio"/> Vibration <input type="radio"/> Noise <input type="radio"/> Dirty	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Blower Capacitor	Rated: <u>20uf</u> Field: <u>20.1</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Heat Strips:	Amps Rated: _____ Field: _____	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Evaporator Coil Overall Condition & Level	<input checked="" type="radio"/> Leak Evidence <input type="radio"/> Blocked <input type="radio"/> Dirty	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clean Condensate Pump and Drain Line: <u>Pump Good</u>	<input checked="" type="radio"/> Cleaned Notes: <u>Drain Clear</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect/Test all Water Safeties:	Notes: <u>Tested Good.</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Temperature Split Cool & Heat	Supply: <u>51°</u> Return: <u>74°</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Gas Piping For Leaks and up to code	Notes: <u>Up to Code</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check & Set Gas Valve Pressure	Pressure: _____ Type: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Gas Burners & Flame	Notes:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Heat Exchanger	Notes:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Ignitor Condition (Spark/HSI)	Ohms: _____ Notes: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Flame Safety (Thermocouple/Flame Sensor)	mA: _____ <input type="radio"/> Cleaned	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Roll Out, High Limit Switch, And Pressure Switch	Temp at Trip: _____ Notes: _____ Inches WC: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Induce Fan Motor Operation	Rated: _____ Field: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clean & Check Pressure Switch & Tube	Notes:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Flue Pipe & Venting:	Notes:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Perform Carbon Monoxide Test	Reading: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
OUTDOOR EQUIPMENT EVALUATION					
Model Number: <u>GSK13G361BA</u>	Serial Number: <u>1106633780</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspect Condenser Coil Overall Condition:	Notes: <u>Good.</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clean Condenser Coil	Notes: <u>Average</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Condenser Fan Operation	Amps: <u>0.53</u> Volts: <u>208/220</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Compressor Operation	Start Amps: <u>10.0</u> Run Amps: <u>8.1</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Condenser Capacitor condition/operation	Rated: <u>45x5</u> Field: <u>44.3x4.9</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Contactor Condition/operation	Notes: <u>Good</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Refrigerant Check	LL temp: <u>93°</u> LL Pressure: <u>350</u> SC: <u>10°</u>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Type: <u>R410A</u>	SL Temp: _____ SL pressure: <u>120</u> SH: _____	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check Heat Pump: Defrost Mode	<input checked="" type="radio"/> Forced Defrost	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Work Order No. 59868666

Date 07/25/23

Tech: Brian H

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Observations

Performed evaluation on Goodman System, customer recently replaced Media Filter, checked all components as well as tested all Safety Switches, checked + tested Condensation pump and is good. Also checked components on outdoor Condenser unit and are good. Checked refrigerant pressures and also water washed Condenser Coils. System is cooling properly at this time.

Option A (Immediate Repairs)
None

Option B (System Enhancements)
None recommended at this time.

Option C (Maybe it's time to discuss a more efficient system.)

Customer Signature _____

Technician Signature