



GOFF **HEATING &** **AIR CONDITIONING**

Safety and Efficiency Agreement

Congratulations on your investment in one of the most comprehensive service agreements available anywhere. With this agreement, you are now considered a ***Goff Heating & Air Conditioning Preferred Customer***. This entitles you to absolute priority service, extended warranties, cash discounts, and most importantly, peace of mind.

The purpose of this plan is to provide your family with enhanced equipment safety and efficiency, as well as extend the life of your equipment. Your family will also appreciate knowing your equipment has been tested for deadly, odorless, poisonous carbon monoxide gas.

This Agreement entitles you to benefit from our exclusive 23-point precision tune-up and professional cleaning (PTPC). *Following is a sample of our procedures:*

- Clean, level, calibrate thermostat
- Remove and wash blower and fan
- Wash condenser coil and evaporator coil (when readily accessible)
- Replace or wash standard air filters
- Lubricate all moving parts
- Adjust all drive belts and pulleys
- Test all safety controls/devices
- Test, secure, and tighten all electrical connections and terminals
- Test humidifier operation and set damper, switches, and valves
- Clean heat exchanger(s), burners, and pilot assemblies
- Inspect heat exchanger(s), flue assembly, burners, and draft diverters
- Vacuum-clean all combustion, flue, and blower compartments
- Adjust all main air dampers
- Activate heating or cooling system
- Test all motors, starting capacitors, run capacitors, and potential relays
- Test, measure, and record operating temperature and pressures
- Electronically test for poisonous, deadly carbon monoxide gas
- Test for gas leaks at furnace
- Complete a written analysis

Goff Heating & Air Conditioning is pleased to offer the best tune-up in town!

Precision Furnace Tune-up Benefits:

- *Lower utility bills*
- *Extended equipment life*
- *Fewer repairs, breakdowns, and improved system reliability*
- *Increased heating capacity*
- *Priority service scheduling*
- *Customer peace of mind*

Precision Air-Conditioning Tune-up Benefits:

- *Lower utility bills by reducing energy consumption and waste*
- *Extended equipment life*
- *Fewer repairs, and improved system reliability*
- *Increased cooling capacity and efficiency*
- *Customer peace of mind*

Our exclusive Precision Tune-Up Procedure includes, as needed:

For your furnace

- 1) Inspect and tighten all electrical connections and terminals
- 2) Remove, clean, and adjust main gas burners
- 3) Remove, clean, and adjust ignition/pilot assembly
- 4) Thoroughly brush and vacuum clean the heat exchanger(s) and combustion chambers
- 5) Inspect heat-exchanger(s) and combustion chambers for cracks, rusting, or problem areas
- 6) Vacuum out blower compartment; return airdrop, and surrounding area (no duct cleaning)
- 7) Clean all return air grills throughout the home
- 8) Inspect the flue assembly and test flue gas drafting mechanism
- 9) Test and inspect all furnace safety controls
- 10) Test, record, and adjust gas pressure
- 11) Replace or clean standard air filters
- 12) Remove and clean blower motor, drive mechanism and fan assembly
- 13) Lubricate all fan motors and all moving parts
- 14) Measure and adjust blower for correct airflow
- 15) Adjust all dampers and set proper blower speed(s)
- 16) Clean, level, test, and calibrate thermostat
- 17) Measure and record heating system output
- 18) Inspect and test thermocouple output and pilot safety switch
- 19) Measure and record electrical voltage, amperage, and component resistance
- 20) Inspect and test all system transformers, relays, contactors, and controls; measure performance
- 21) Repair minor air leaks in plenum and return airdrop
- 22) Perform a thorough, room-by-room, electronic carbon monoxide check of the entire house
- 23) Advise customer on ways to reduce energy consumption, improve safety and enhance comfort

For your air conditioner

- 1) Chemically clean and thoroughly wash condenser coil(s)
- 2) Thoroughly clean or replace standard air-filter(s)
- 3) Wash and level condensing unit for proper motor and bearing wear
- 4) Lubricate motor and fan bearings, as well as other moving parts as necessary
- 5) Clean and inspect evaporator coil and drain pan when readily accessible
- 6) Clean and inspect condensate drain lines and fittings
- 7) Clean, level, and calibrate thermostat
- 8) Adjust and thoroughly clean blower motor and fan assembly as needed
- 9) Inspect, tighten and test all electrical connections, including disconnect switch
- 10) Inspect all cooling system electrical wires, connectors, and terminals
- 11) Test system starting and running capacitors
- 12) Test all controls, switches, relays, transformers, contactors, motors, and fans
- 13) Measure starting and running amperes, line voltage, and control voltage
- 14) Test system-starting capabilities
- 15) Test system for proper airflow and air delivery
- 16) Inspect and adjust all safety controls
- 17) Monitor refrigerant (Freon) pressures and temperatures
- 18) Test and record super-heat and sub-cooling; compare with factory specifications
- 19) Adjust Freon metering control device per factory/manufactures recommendations
- 20) Test and measure air-conditioning system for proper production and capacity
- 21) Monitor fan motors and compressor operating temperatures
- 22) Apply weather resistant protective coating to the outside unit (condenser)
- 23) Complete and present full written report

Contact **Goff Heating & Air Conditioning** to schedule and learn more about our *Precision Tune-Up Procedure*: 417.869.5203