

# EAGLE VISION

## Maintenance Plan

*Ferguson*   
Heating & Air Conditioning Co., Inc.  
*"The Name You Can Trust. Since 1946"*

Are you a homeowner  
looking to prolong the life  
of your HVAC system?

# What Do HVAC Systems Do?

1. Raises/Lowers Temperature
2. Moves/Circulates Air
3. Removes Water/Humidity
4. Adds Humidity
5. Cleans Air
6. Purifies Air
7. Insulates & Directs Air



# System Data & Comparison

## HVAC

HVAC Equipment Life Span	12 – 15 Years
Average Replacement Cost	\$8,000 – \$25,000
Average Repair Cost	\$300 – \$500 up to \$2500
Average Annual Maintenance Cost	\$169 - \$319

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## IN COMPARISON

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## AUTOMOBILE

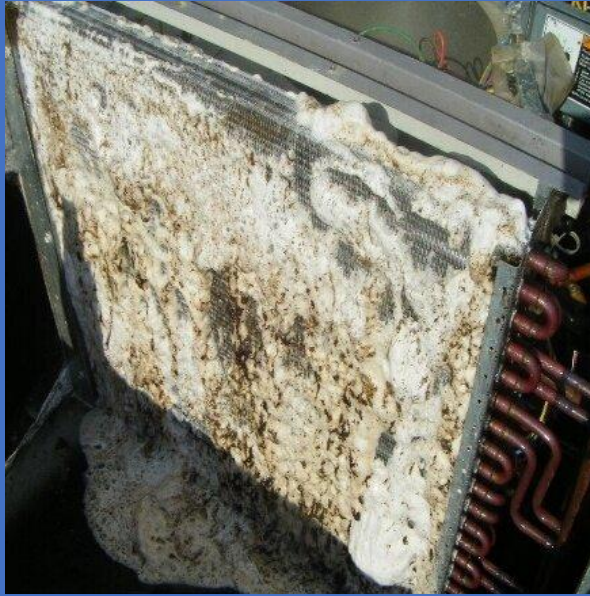
Average Auto Life Span	10 – 20 Years
Average Cost	\$20,000 – \$100,000+
Average Repair Cost	\$400 – \$550
Average Maint. (oil, tire & rotation, etc.)	\$169 – \$319

# Why Maintenance is Recommended?

1. Systems last longer (saves \$)
2. Systems run more efficiently (lowers electric \$)
3. Makes house more comfortable (ZzzZzzZzz!)
4. Reduces untimely downtime (party!)
5. Annual maintenance required by most manufacturers to maintain extended warranties



# What Causes Failures?



- Dust/Dirt
- Moisture/Humidity
- People
- Animals (ants, mice, snakes)
- Wear and tear
- Cleanliness

# Serviceable Parts

## A/C

- Blower
- Evaporator Coil
- Blower Motor Cap
- Condenser Fan Motor
- Dual Capacitor
- Compressor
- Refrigerant
- Condenser Coil
- Drain
- Disconnects
- Contactors
- Low Pressure Switch
- Reversing Valve
- Filters



## HEATING

- Blower Motor
- Blower Motor Capacitor
- Heat Exchanger
- Primary Temp Limit
- Secondary Temp Limit
- Inducer Draft Motor
- Flue Pipe
- Flame Rollout Switches
- Gas Pressures
- Gas Valve
- Flame Sensor
- Igniter
- Control Boards
- Ignition Board
- Filters



1298 Central Avenue • East Point, GA 30344 • Office: 404-763-3240 • Fax: 404-763-9505  
www.fergusonheatingandair.com

## EAGLE VISION PLAN AGREEMENT

### Air Conditioning Inspection Report

Customer \_\_\_\_\_ Date \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Brand Rheem Model #: N/A S/N N/A  
Area Served Whole home Equipment Age 3 yrs old

1. Outside Air Temperature \_\_\_\_\_ 60°
2. Replace air filter size 20x25x1 Yes  No \_\_\_\_\_
3. Replace media media # N/A Yes \_\_\_\_\_ No
4. Operationally check all safety controls Yes  No \_\_\_\_\_
5. Blower motor electrical check volts 240 amps 3.9 NPA 4
6. Check blower motor capacitor Rated uf ECM Actual uf ECM
7. Secure all panels Yes  No \_\_\_\_\_
8. Return air temperature 70 Supply air temperature 50 Temp Diff 20
9. Check evaporator coil cleanliness Yes  No \_\_\_\_\_
10. Check thermostat operation and calibrate if necessary Yes  No \_\_\_\_\_
11. Check and flush condensate drain and pump Yes  No \_\_\_\_\_
12. Condensate drain pan ok Yes  No \_\_\_\_\_
13. Check outside disconnect operability and connections Yes  No \_\_\_\_\_
14. Check starting contactor connections and clean if necessary Yes  No \_\_\_\_\_
15. Condenser fan motor electrical characteristics volts 240 amps .8 NPA 1.0
16. Compressor electrical characteristics volts 240 amps 6.53 NPA 21.4
17. Refrigerant charge; Suction line pressure psig 108 Discharge pressure psig 221
18. Check outdoor unit capacitor Rated uf 45 / 7.5 Actual uf 44.6 / 7.5
19. Visual check for signs of refrigerant leaks Yes  No \_\_\_\_\_
20. Charge A/C with refrigerant lbs 0 oz. 0
21. Clean condenser coil with hose Yes  No \_\_\_\_\_
22. Condenser fins ok Yes  No \_\_\_\_\_
23. Check expansion valve Yes  No \_\_\_\_\_
24. Check reversing valve operability Yes  No \_\_\_\_\_
25. Check outdoor thermostat, if applicable Yes  No \_\_\_\_\_

THE FOLLOWING CORRECTIVE ACTION IS NEEDED: No corrective actions are needed at this time.

Additional Comments: System cooling properly at this time

Technician: \_\_\_\_\_ Customer's Signature: \_\_\_\_\_

# Sample Eagle Vision Plan Inspection Report





# What Should be Expected from your Maintenance Provider?

- Honesty
- Integrity
- Technical Expertise
- Value
- Consistency
- Excellent Reputation
- Years of Experience
- Professionalism



# Annual Cost Considerations

## HVAC

<b>Operation – Avg hours per year</b> (305 days x 8 hours/day)	2440 hours/year
<b>EVP Services</b> (2 visits x \$130 each)	\$260/year

## AUTOMOBILE

<b>Operation – Avg hours per year</b> (20,000 miles per year ÷ 40 mph)	500 hours/year
<b>Basic Services</b> (20,000 ÷ 5,000 miles per oil change)	4 changes/year
<b>Service Cost</b> (4 changes x \$150 each)	\$600/year

# Preventative Maintenance Summary

