



INTEGRA

PLUMBING, HEATING & AIR CONDITIONING



Membership Points of Inspection

20^{PT}

BRONZE MEMBERSHIP

CONDENSER:

- In service compartments, we use compressed air to blow out any dust and debris (ensuring that all mechanical parts are free and in working order).
- In the electrical disconnect use compressed air to blow out any dust and debris (ensuring that all contacts are making a good connection for amp draw control).
- Tighten all electrical connections. (making sure there is a solid connection for amp draw control).
- Remove all debris from condenser area including anything that can impede the airflow around all sides of the unit.
- Open the condenser top and remove any debris from inside the compressor compartment.
- Check and replace filter. Only one 1" filter is included.
- Ensure that all vents are clear and have adequate air flow.
- Check refrigerant levels making sure that subcooling and superheat levels are correct.
- Check Delta T across the evaporative coil ensuring that the temperature difference is within range.
- Check the pressure drop across the coil with a manometer (.1 to .4 is acceptable).

FURNACE:

- Use compressed air to blow out any electrical compartments both sealed and exposed.
- Use compressed air to blow out burner assembly.
- Check and replace filter. Only one 1" filter is included.
- Pull and clean flame sensor.
- Manually check the buildup on the blower wheel.
- Use a scope to visually inspect the burner assembly for rust.
- Test the Sequence of Operations.
- Check temperature rise from return to supply to ensure proper airflow.
- Interrupt power supply to the fan to test safety switches while burner is ignited.
- Check to ensure that there are no readings of carbon monoxide around the burner assembly or the airflow supply and return.

30^{PT}

SILVER MEMBERSHIP

CONDENSER:

- Remove condenser top and use water to rinse the inner compartment and the coils from the inside out.
- Visually check the condenser coils for oil presence or any area where the copper lines could be contacting other objects posing the risk of a leak in the future.
- Check and replace filter. Two 1" filters included if needed.
- Remove the access panel and visually inspect the coil for oil, debris, or any other signs of potential failure.
- With the access panel removed from the coil use compressed air to blow out the drain line and clear any debris that could cause a backup.

FURNACE:

- Check and replace filter. Two 1" filters included if necessary.
 - Remove the burner assembly and clean with soft steel brush and compressed air.
 - Disassemble condensate pump and rinse any debris from holding tank.
 - Pull fan compartment and use compressed air to remove any loose build up on the blower wheel and blower housing.
 - Check the condition of the Armaflex to ensure that entire suction line is covered as to not leak moisture into the mechanical closet.
- + inspection points from previous tier



INTEGRA

PLUMBING, HEATING & AIR CONDITIONING

Call now for more information | 806-778-0421



GOLD MEMBERSHIP

CONDENSER:

- Remove the outer shell from the condenser and use coil safe chemicals designed to bring out the dirt with foam and then rinse with water.
- Replace Schrader cores in the service valves to ensure a good seal to prevent any refrigerant loss.
- Balance refrigerant within 10% of the desired fill levels.
- Visually inspect the duct work for air loss.
- Check the depth of the insulation in the attic.

WATER HEATER:

- Check the age of the water heater and flush the water heater for 10-15 minutes removing as much of the calcium build up as possible.

+ inspection points from previous tiers

FURNACE:

- Remove the blower housing and disassemble, then use chemical to break down the buildup off the blower wheel allowing more airflow.
- While the blower housing is out using a wet/dry vacuum and clean the return air platform.
- Check the inlet/manifold gas pressure to ensure there is proper burn reducing buildup from the flame sensor.
- Open the vent pipe on both the furnace and the water heater if applicable and make sure there is no excessive soot buildup and make sure the vent pipe, vent cap, and vent collar are in good condition and use caulking or black tar to seal any questionable areas of the vent pipe system.



INTEGRA MEMBERSHIP

WATER HEATER:

- Water heating system flush to remove scale buildup.
- Change out flexible water and gas connectors.

SEWER & DRAIN:

- Sewer line inspection (use camera to view inside the main sewer line).
- Drain line inspections (use camera to view inside the drain lines).

GAS:

- Gas leak detection (use electronic detector to make sure there are no leaks present in the gas system).

FURNACE:

- Record the ohm reading on the hot surface igniter making sure it is within range to help eliminate failure when in operation.
- Place coil drain pan cleansing tablet in the coil to reducer build up that is the root cause of blockages.
- Seal the platform to not bring in outside air reducing infiltration into house.
- With fan running in high speed use the flow hood to test the balance and distribution of the airflow.

CONDENSER:

- Replace standard whip from disconnect to unit.
 - Apply polishing cream to refresh the unit from any sun damage.
 - Use grey paint to repaint the electrical disconnect.
 - Replace any fuses that are in the disconnect if applicable.
 - Redo any Armaflex that has faded or deteriorated.
 - Secure any wires that have lost mounting for any reason.
- + inspection points from previous tiers

Join Today!