



# Heat Pump Maintenance

Stanislav Geary / 30 May 2023 / France O'Reilly

**Complete**

<b>Score</b>	<b>90.48%</b>	<b>Flagged items</b>	<b>2</b>	<b>Actions</b>	<b>2</b>
<b>Client</b>	Stanislav Geary				
<b>Conducted on</b>	30.05.2023 07:45 PST				
<b>Prepared by</b>	France O'Reilly				
<b>Location</b>	Frederick, MD, USA (39.414268799999999, -77.4105409)				

## Flagged items & Actions

2 flagged, 2 actions

### Flagged items

2 flagged, 2 actions

Audit / Heat Pump

#### Replace the air filter or clean if reusable type.

NOT OK

The air filter is dirty and needs to be replaced. A clogged filter can restrict airflow and affect system efficiency.



Photo 1

To Do | Priority Medium | Due 06.06.2023 07:51 PST | Created by SafetyCulture Staff

Replace air filter in Geary's unit.

Audit / Heat Pump

#### Check reversing valve operation.

NOT OK

The reversing valve is not operating properly, which may affect the heat pump's ability to switch between heating and cooling modes. It needs to be repaired asap.



Photo 2

To Do | Assignee SafetyCulture Staff | Priority High | Due 06.06.2023 08:08 PST | Created by SafetyCulture Staff

Repair the malfunctioning reversing valve.

### Other actions

0 actions

**Audit**

2 flagged, 2 actions, 90.48%

**Heat Pump**

2 flagged, 2 actions, 90.48%

**Check and adjust thermostat.**

OK

**Check to make sure that the indoor & outdoor units turn on.**

OK

**Replace the air filter or clean if reusable type.**

NOT OK

The air filter is dirty and needs to be replaced. A clogged filter can restrict airflow and affect system efficiency.



Photo 1

To Do | Priority Medium | Due 06.06.2023 07:51 PST | Created by SafetyCulture Staff

Replace air filter in Geary's unit.

**Check bearings & lubricate blower motor if needed.**

OK

**Check blower belt, wear, tension & adjust as needed.**

OK

**Check electrical connections for tightness.**

OK

**Check evaporator coil to determine if it needs cleaning.**

OK

**Check voltage to unit.**

OK

**Check blower motor amp draw.**

OK

**Check electric heaters with amp probe and voltage during heating inspection.**

OK

**Check condenser motor bearings & lubricate if needed.**

OK

**Check condenser motor amp draw.**

OK

**Check refrigerant (freon) level.**

OK

**Check compressor amp draw.**

OK

**Check crankcase heater if compressor has one installed.**

OK

**Check defrost controls.**

OK

### Check reversing valve operation.

NOT OK

The reversing valve is not operating properly, which may affect the heat pump's ability to switch between heating and cooling modes. It needs to be repaired asap.



Photo 2

To Do | Assignee SafetyCulture Staff | Priority High | Due 06.06.2023 08:08 PST | Created by SafetyCulture Staff

Repair the malfunctioning reversing valve.

Check coil temperature.

OK

Check condensate drain and pan then advise of any discrepancies.

OK

Perform visual inspection of ductwork and make notes regarding discrepancies.

OK

Check the shape that the total system is in and advise customer of discrepancies.

OK

## Completion

### Overall Comment / Cost of Maintenance

The heat pump system is in generally good condition, with a few areas that require attention. The air filter needs to be replaced, and the reversing valve is not operating correctly. The rest of the components and functions checked during the maintenance are functioning properly.

The maintenance work costs around \$150.

### Name and Signature

France O'Reilly  
30.05.2023 08:07 PST

Media summary



Photo 1



Photo 2