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Invoice

DATE	05/06/2021
INVOICE#	10949
TERMS	Due Upon Receipt
DUE DATE	05/06/2021

BILL TO
Mary Lynn Cortez Personal Home 5543 Harvest Oak Landing Dr. Spring, TX 77386

SERVICE LOCATION
Personal Home 5543 Harvest Oak Landing Dr. Spring, TX 77386

JOB#	DATE	PO/REF#	DESCRIPTION
46201370	05/06/2021		<p>Spring Maintenance on 2 Systems</p> <p>Inspect electrical connections including contactor points and capacitor ratings. Water wash condenser coil. Visual inspect evaporator coil. Add pan tabs to help prevent algae buildup. Spray evaporator coil with no rinse cleaner. Flush condensate drain line. Inspect blower motor and wheel. Check amps on the blower motor, condenser fan motor, and compressor. Check refrigerant pressures, temperatures, superheat and subcooling. Check Temperature drop across the evaporator coil. Visual inspect duct system, looking for leaky, torn or worn ductwork, Change customer supplied filters when necessary. Check thermostat for temperature accuracy.</p> <p>Completion Notes: Shaun Timlin 05/06/21</p> <p>Performed Spring maintenance for two systems. Replaced both media air filters provided by the customer. Customer still has two more replacement air filters on site. Based on the condition of the air filters, they will be due to be replaced during Spring 2022 maintenance.</p> <ul style="list-style-type: none"> - Water washed the condenser coils. - Cleaned evaporator coils with no-rinse coil cleaner. - Flushed drain lines with water and added drain pan tablets in the evaporator drain pans. - Ensured that all electrical connections were secured. - Inspected the blower assemblies for cleanliness. - Inspected ductwork for correct sizing and damage. - Tested all capacitors. - Checked amp draws for the compressor, indoor fan motor and outdoor fan motor. - Checked refrigerant charge during operation. - Checked temperature drop across the evaporator coils. - Checked temperature accuracy at the thermostats and tested batteries. <p>Recommendations/Observations:</p> <p>Informed customer that the condenser coil fins on both systems are prematurely oxidized due to the water sprinkler heads surrounding them.</p> <p>System 1 (West Wing System)</p> <ul style="list-style-type: none"> * Replaced the FAILED 45+5 dual run capacitor. - Recommend replacing suction line insulation and covering with UV protective paint at the condensing unit.

- Recommend covering condenser control wire with weatherproof conduit and sealing the wall penetration with silicone.
- Recommend installing a j trap and ball isolation valve for service on the primary drain line.
- Recommend installing a compressor hard start kit (3 ton).
- Recommend removing and cleaning the blower assembly.

System 2 (East Wing System)

- Recommend replacing suction line insulation and covering with UV protective paint at the condensing unit.
- Recommend covering condenser control wire with weatherproof conduit and sealing the wall penetration with silicone.
- Recommend installing a j trap and ball isolation valve for service on the primary drain line.
- Recommend installing a compressor hard start kit (3 ton).
- Recommend removing and cleaning the blower assembly.

Indoor Air Quality Products:

<https://www.carlscoolingllc.com/products/indoor-air-quality/>

Aerus Air Scrubber page with video:

<https://www.carlscoolingllc.com/products/indoor-air-quality/air-scrubber-by-aerus/>

Job Charges	Qty	Rate	Total
2 System Spring and Fall Maintenance (Paying annually) Customer chose to prepay for both spring and fall maintenance's which saves them \$50 The Family Plan benefits will last 1 year	1.00	\$0.00	\$0.00
Replace Compressor Dual Run Capacitor	1.00	\$196.00	\$196.00
Job Subtotal			\$196.00
Sales Tax		8.25%	\$0.00
Job Total			\$196.00

PRE-WORK SIGNATURE

05/06/2021 08:12

POST-WORK SIGNATURE

05/06/2021 10:58

Signed By:

Mary Lynn Cortez

Signed By:

Mary Lynn Cortez

CUSTOMER MESSAGE

Regulated by the State of Texas Department of Licensing
P.O. Box 12157 Austin, TX 78711
(800) 830-9202 (512)463-6599
TACL # A26391C
<https://www.tdlr.texas.gov>

Invoice Total: \$196.00
Deposits (-): \$0.00
Payments (-): \$0.00
Total Due: \$196.00