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(800) 747-1955

CONDITION	CAUSE	EFFECT
DIRTY AIR FILTERS	<ul style="list-style-type: none"> - Restricted Evaporator Coil - Plugged Motor Passages - Dirty Blower Wheel(s) - Loss of Air Flow - Refrigerant Flooding 	<ul style="list-style-type: none"> - Compressor Failure - Bearing Failure - Increased Energy Consumption - Evaporator Motor Failure
FAULTY DRIVE BELT	<ul style="list-style-type: none"> - Loss of Air Flow - Refrigerant Flooding - Sheave Wear 	<ul style="list-style-type: none"> - Compressor Failure - Pulley Replacement - Noise - Evaporator Motor Failure
DIRTY MOTORS	<ul style="list-style-type: none"> - Overheating of Windings 	<ul style="list-style-type: none"> - Motor Component Failure - Increased Electrical Consumption
BURNT CONTACT POINTS	<ul style="list-style-type: none"> - "Single Phased" Components - High Point Resistance 	<ul style="list-style-type: none"> - Premature Component Failure - Increased Electrical Consumption
REFRIGERANT LEAKS	<ul style="list-style-type: none"> - Improper System Charge - Safety Control Cycling - Loss of Lubrication 	<ul style="list-style-type: none"> - Component Failure - Increased Energy Consumption - Decrease in System Capacity - System Freeze-up
PLUGGED DRAINS	<ul style="list-style-type: none"> - Water Build-up 	<ul style="list-style-type: none"> - Flood over onto ceiling below - Leaks on to roof
MISSING / LOOSE PANELS	<ul style="list-style-type: none"> - Conditioned Air Lost - Equipment Air Cooling Lost - Water Infiltration 	<ul style="list-style-type: none"> - Increased Energy Consumption - Equipment Damage - Rust and Corrosion - Roof Damage
DIRTY CONDENSER	<ul style="list-style-type: none"> - Equipment Air Cooling Lost - Plugged Motor Passages - Overheating of Compressor Winding 	<ul style="list-style-type: none"> - Increased Energy Consumption - Component Failure - Decreased System Capacity
FAULTY ECONOMIZER	<ul style="list-style-type: none"> - Conditioned Air Lost - Plugged Outdoor Air Filters - Damper Stuck open 	<ul style="list-style-type: none"> - Required Outside Air Loss - Increased Energy Consumption - Loss of free cooling

Solution = Planned Preventative Maintenance