



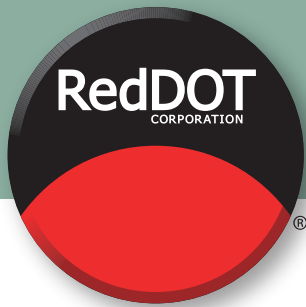
# Preventative Maintenance Schedule

## Maintenance Intervals

	EVERY	OR	OR
<b>3</b>	= 3 months	15,000 miles	375 hours
<b>6</b>	= 6 months	30,000 miles	750 hours
<b>12</b>	= 12 months	60,000 miles	1500 hours

### **SPECIAL NOTE:**

Use caution when performing preventative system maintenance, ambient conditions (heat load) will increase refrigerant hose temperatures.



	Maintenance Interval	3	6	12
<b>1. System Maintenance</b>				
<input type="checkbox"/> Perform visual system inspection		●		
<input type="checkbox"/> Perform manifold gauge check.				●
<input type="checkbox"/> Recover & Recycle System refrigerant				
<input type="checkbox"/> Perform system evacuation & leak test				
<input type="checkbox"/> Recharge system with correct refrigerant charge amount				
<b>2. Compressor &amp; Belt Drive System</b>				
For systems that do not have A/C interlock, (A/C compressor engages when the defrost mode is activated) follow the following procedure on a monthly basis. Activate the AC system for a minimum of 5 minutes every 30 days to circulate the refrigerant system lubrication and verify condenser fan(s) (either engine fan for radiator mounted condensers or electric fans for remote mounted condensers) engage and/or cycle on and off.				
<input type="checkbox"/> Check discharge line (warm/hot to touch)		●		
<input type="checkbox"/> Check suction line (cool to touch)		●		
<input type="checkbox"/> Inspect face of clutch hub for signs of slippage (heat discoloration)		●		
<input type="checkbox"/> Check clutch working voltage and current draw (4amps @ 12 volts / 2 amps @ 24 volts)				●
<input type="checkbox"/> Inspect shaft seal for presence of oil & dirt indicating leakage		●		
<input type="checkbox"/> Confirm alignment of clutch pulley with crankshaft drive pulley (belt will show side wear)		●		
<input type="checkbox"/> Inspect idler pulley for bearing wear (looseness)		●		
<input type="checkbox"/> Inspect compressor belt for glazing or cracking		●		
<input type="checkbox"/> Check belt tension (verify manufactures specs in owners manual)		●		
<b>3. Condenser</b>				
<input type="checkbox"/> Inspect tubes for obvious dents & oil stains/dirt indicating leakage		●		
<input type="checkbox"/> Clean dirt and bugs from condenser fin area (may be necessary every 30 days under severe operating conditions)		●		
<input type="checkbox"/> Inspect condition of fins (straighten as required)		●		
<b>4. Receiver/Drier (Filter)</b>				
<input type="checkbox"/> Note: Replace annually or anytime refrigerant system is opened				●
<input type="checkbox"/> Check moisture indicator, either remote mounted or built into the drier (Blue is OK while pink or white indicates moisture presence and replacement required)		●		
<input type="checkbox"/> Check temperature of drier canister while running (warm to touch)		●		
<b>5. Expansion Valve</b>				
<input type="checkbox"/> Check inlet (liquid) line from drier (warm to touch)		●		
<input type="checkbox"/> Check refrigerant charge head for damage & leakage				●
<b>6. Evaporator</b>				
<input type="checkbox"/> Clean dirt, bugs & airborne particulate from fin area		●		
<input type="checkbox"/> Clean dirt, bugs & airborne particulate from the drain pan & drain hole		●		
<input type="checkbox"/> Inspect drain pump (if present) & float for obstructions and operation		●		
<b>7. Other Components</b>				
<input type="checkbox"/> <b>Thermostat:</b> Check for proper operation				●
<input type="checkbox"/> <b>Filters:</b> Inspect and clean or replace as needed (Dirty filters can cause airflow restriction and premature blower failure)		●		
<input type="checkbox"/> <b>Pressure Switches:</b> With manifold gauges installed, check refrigerant pressure switches for proper operation				●
<input type="checkbox"/> <b>Water Valve :</b> Check water valve for proper operation (with control panel temp setting in full cold position, valve should be closed)				●