

### 8.3 PRE-TRIP INSPECTION

Pre-trip inspection should be performed before every trip and at regular maintenance intervals. Pre-trip procedures are provided the Trailer Refrigeration Pre-Trip Inspection document 62-90490.

**Table 8–1 Maintenance Schedule**

System	Operation	Reference Section
<b>a. Pre-Trip Inspections</b>		
	1. Pre-Trip Inspection - Before starting	<a href="#">Section 8.3</a>
	2. Pre-Trip Inspection - After starting	<a href="#">Section 8.3</a>
	3. Run Microprocessor Pretrip - Before loading	<a href="#">Section 3.6</a>
<b>b. Every Service Interval or Yearly</b>		
<b>Charging Circuit</b>	1. Check battery charger output voltage	<a href="#">Section 8.8.12</a>
	2. Check battery charger amperage	<a href="#">Section 8.8.12</a>
<b>Unit</b>	1. Check unit mounting bolts	Check
	2. Check compressor mounting bolts	Check
	3. Check door latches & hinges	<a href="#">Section 8.4.3</a>
<b>Refrigeration System</b>	1. Clean condenser surfaces	<a href="#">Section 8.7.2</a>
	2. Check defrost air switch and calibrate as necessary	<a href="#">Section 8.7.12</a>
	3. Check & clean the evaporator coil and all defrost drain hoses	<a href="#">Section 8.7.12</a>
	4. Install manifold gauge set and check refrigerant pressure	<a href="#">Section 8.7.1</a>
	5. Run APX Control System Pretrip	<a href="#">Section 3.6</a>
	6. Check calibration of suction pressure transducer	<a href="#">Section 8.5.1</a>
	7. Check manual defrost operation	<a href="#">Section 3.11</a>
<b>Electrical System</b>	1. Check unit switches and electrical connections	Check
	2. Check all ground connections for corrosion & tightness	Check
	3. Check power plug for signs of wear or damage	Check
	4. Check control box / relay box condition	Check
	5. Check condenser fan amperage	<a href="#">Figure 2.8</a>
	6. Check evaporator fan amperage	<a href="#">Figure 2.8</a>
	7. Check compressor amperage	<a href="#">Figure 2.8</a>
	8. Check heater amperage	<a href="#">Figure 2.8</a>

Failure to follow the recommended maintenance schedule may affect the life and reliability of the refrigeration unit.