



Cold Weather Air Brake Maintenance

SYMPTOM: Air System Freeze-ups

Possible Causes:

Excessive Leakage

Corrective Action: Check compressor unloader, governor and air dryer check valve.

Improper Repairs or Installation

Corrective Action: Recheck work. Look for proper Supply, Delivery and Control hose connections. Clear air lines with shop air for unobstructed winter operation.

Kinked, Broken, Plugged or Frozen Unloader Line

Corrective Action: Check unloader line and repair or replace as needed.

Improper Air Line Connections

Corrective Action: Check plumbing. The governor unloader port should be connected to the control port of the air dryer.

Dryer Service Overdue

Corrective Action: Replace desiccant cartridge and inspect purge valve

SYMPTOM: Purge Valve Freezes, Open or Closed

Possible Causes:

Air Dryer Cover Will Not Warm Up

Corrective Action:

Test Heater: Heater cannot be tested at room temperature. The thermostat in the end cover controls heater. Cover must be cooled to below 40 degrees Fahrenheit; will cut out above 85 degrees Fahrenheit. Check fuse. Test thermostat with ohmmeter. Refer to appropriate service data manual sheets. Check for power to end cover and for good ground connection. Refer to service data manual sheet for correct resistance values. Insulate end cover to help contain heat.

