



SERVICE BULLETIN

Title: 23XL Frame 4 Shutdown Solenoid
Models Affected: 23XL Frame 4

Number: C9635
Date: 9/30/96

Purpose:

To inform the field of the possibility of incorrectly installed oil shutdown solenoids on 23XL Frame 4 chillers (with horizontal oil separator) manufactured before production week 39 (September 23-27, 1996).

File: Installation – Start Up – Operation

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Information:

A number of chillers manufactured the weeks prior to September 23, 1996 may have incorrectly installed oil supply shutdown solenoids (part # EF23JM332). This solenoid must be installed with the direction arrow stamped on the bottom of valve body pointing in the direction of the oil flow (from oil filter toward compressor). The pilot port and the upward sloped portion of the valve body (as depicted in **Figure 1** of the hard copy) will also point in the direction of oil flow.

Troubleshooting:

Symptoms of failing to start the chiller may be caused by the incorrect installation of the oil solenoid. The chiller may run for 30 seconds then shutdown on PROTECTIVE LIMIT: LOW OIL PRESSURE or FAILURE TO START: NO OIL PRESSURE.

Procedure:

Check the direction of the solenoid prior to the start-up of all Frame 4 chillers manufactured before week 39. If the solenoid is installed in the wrong direction the following procedure should be followed: Isolate the solenoid by closing the isolation valves upstream of the oil filter and downstream of the shutdown solenoid. Bleed pressure off the upstream side of the solenoid by connecting a hose on the schrader valve after the isolation valve. Bleed pressure off the downstream side of the solenoid by disconnecting the leads to solenoid coil and energizing from an outside source (24 volts). Reverse the valve.

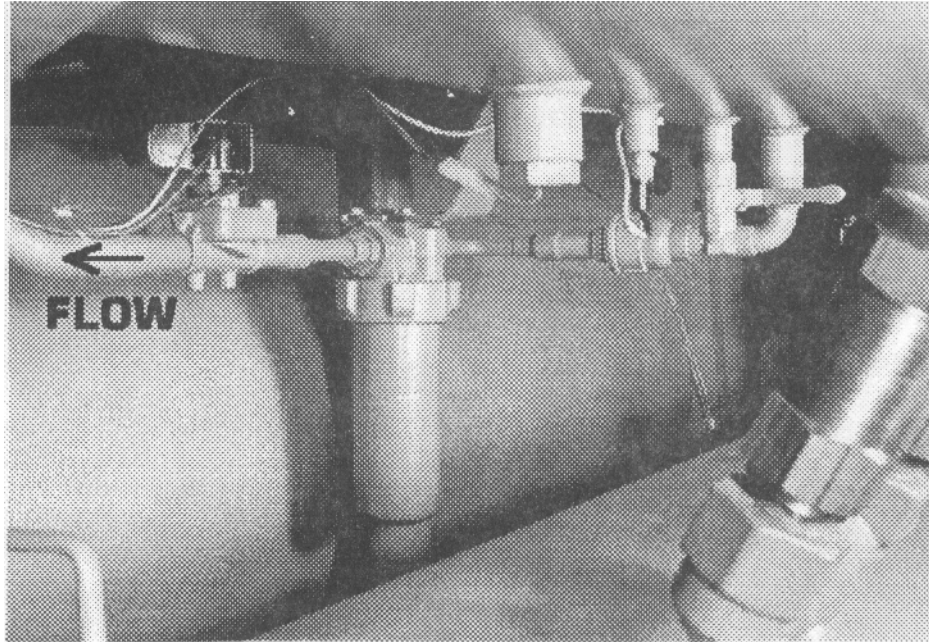


Figure 1