MODEL 84980
HYDRAULIC VENT VALVE
Series “B”
When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.
LINCOLN provides a Distributor Network that stocks equipment and replacement parts.

**SERVICE PARTS**

<table>
<thead>
<tr>
<th>Part</th>
<th>Qty.</th>
<th>Description</th>
<th>Part</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14722</td>
<td>1</td>
<td>Needle</td>
<td>23930</td>
<td>1</td>
<td>Packing assembly</td>
</tr>
<tr>
<td>14723</td>
<td>1</td>
<td>Valve seat</td>
<td>23936</td>
<td>1</td>
<td>Valve body</td>
</tr>
<tr>
<td>31047</td>
<td>1</td>
<td>Check seat gasket</td>
<td>241807</td>
<td>1</td>
<td>Cylinder</td>
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<td></td>
<td></td>
<td></td>
<td>244673*</td>
<td>1</td>
<td>Piston &amp; U-Cup Assy.</td>
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</tbody>
</table>

*Sold only as an assembly. Individual parts not available.
Model 84980 Hydraulic Vent Valve Assembly

This procedure should be performed if any of the following conditions are occurring:
1) The pump is running excessively.
2) The pump is not developing the proper pressure.
3) The system pressure is not venting or relieving.
4) Hydraulic fluid is leaking from the weep hole of the 241807 vent valve cylinder.
5) The lubricant being pumped is leaking from the weep hole in the 241807 vent valve cylinder.

Cleaning and/or Repairing Instructions
1) Turn off and disconnect the hydraulic supply to the pump assembly.
2) Standard tools required are a set of open end wrenches ranging from 7/16” to 1 1/2”, a large open 24” adjustable wrench, a smaller 10” adjustable wrench and a bench mounted vice.
3) Remove the delivery hose, vent hose, hydraulic supply hose and all mounting hardware and remove the vent valve assembly from the pump.
4) Hold the 239336 Valve body in a bench vice by the flats that are machined on the base of the valve body.
5) Remove the 241807 Cylinder. Remove the 244673 Piston & U-Cup Assembly from the 241807 Cylinder. If hydraulic fluid is leaking from the weep hole in the 241807 Cylinder (see condition 4 above), replace the 244673 Piston & U-Cup, reassemble the Vent Valve and reconnect to the pump assembly, or continue as follows:
6) Remove 239330 Packing Assembly. If the lubricant being dispensed is leaking from the weep hole in the 241807 Cylinder (see condition 5 above), replace this packing assembly, reassemble the Vent Valve and reconnect to the pump assembly, or continue as follows:
7) Inspect 14722 Needle and 14723 Valve seat. If foreign matter is lodged in the area and is keeping the needle from sealing in the valve seat, clean thoroughly using mineral spirits or oleum and inspect for damage. If seat appears damaged by nicks, grooves or scoring it should be replaced. Remove the valve seat from the body using a 3/4” open end wrench.
8) Replace the valve seat if damaged. Be certain to remove and replace the 31047 Check seat gasket below the seat.
9) Reassemble the Vent Valve Assembly by reversing the above procedure. The 14722 Needle and the inside diameter of the 241807 Cylinder should be coated with grease to assist in assembling.
10) During reassembly, tighten the 14723 Valve seat into the 239336 Valve body using 25 ft-lb and tighten the 241807 Cylinder onto the 239336 Valve body using 100 ft-lbs.