PRINCE WOLVERINE MODEL WLVT21CGB5A1 SPECIFICATIONS:

PARALLEL CIRCUIT DESIGN
MAXIMUM OPERATING PRESSURE: 3625 PSI
MAXIMUM TANK PRESSURE: 290 PSI
NOMINAL FLOW RATING: 12 GPM
FILTRATION RECOMMENDATIONS: ISO 4406 19/17/14
STANDARD PORT SIZE (INLET, OUTLET, WORK PORTS, POWER BEYOND PLUG):
#8 SAE ORB. 3/4-16UNF-2B
RECOMMENDED FLUID: HIGH QUALITY MINERAL BASED HYDRAULIC FLUID
WITH VISCOSITY FROM 12 cSt TO 400 cSt.

REPAIR PARTS LIST

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<tr>
<th>ITEM</th>
<th>PMC P/N:</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>612104092</td>
<td>SPOOL, FLOAT (A1/B1)</td>
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<tr>
<td>2</td>
<td>612104093</td>
<td>SPOOL, TANDEM CENTER (A2/B2)</td>
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<td>3</td>
<td>660170103</td>
<td>SPRING CENTER W/FLOAT KIT</td>
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<td>4</td>
<td>660170104</td>
<td>SPRING CENTER KIT</td>
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<tr>
<td>5</td>
<td>660170108</td>
<td>END CAP W/ BOLTS, FLOAT</td>
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<tr>
<td>6</td>
<td>660170109</td>
<td>END CAP W/ BOLTS, SPR CNTR</td>
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<td>7</td>
<td>660170105</td>
<td>LOAD CHECK KIT</td>
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<td>8</td>
<td>660170106</td>
<td>POWER BEYOND PLUG ASSY</td>
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<tr>
<td>9</td>
<td>660170111</td>
<td>CLOSED CENTER CONV. PLUG</td>
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<td>10</td>
<td>660270014</td>
<td>RELIEF CARTRIDGE ASSY</td>
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<tr>
<td>11</td>
<td>660170107</td>
<td>COMPLETE JOYSTICK/HANDLE KIT</td>
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<td>12</td>
<td>660170112</td>
<td>HANDLE &amp; NUT KIT</td>
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<td>670400134</td>
<td>KNOB</td>
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<td>14</td>
<td>660570008</td>
<td>SEAL KIT</td>
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TORQUE NOTES:
RELIEF CARTRIDGE: 15-20 FT-LB.
POWER BEYOND CONV PLUG: 25 FT-LB.
CLOSED CENTER CONV PLUG: 25 FT-LB.

FOR STANDARD MODELS AVAILABLE & ADDITIONAL INFORMATION GO TO:
www.princehyd.com
EXAMPLE WLVT21CGB5A1 VALVE CIRCUIT USING OPTIONAL POWER BEYOND PORT:

OPTIONAL POWER BEYOND OPERATION:
A POWER BEYOND PLUG ASSY IS INCLUDED WITH VALVE, BUT IS SHIPPED UNINSTALLED.
REMOVE & DISCARD STEEL PLUG FROM PORT 'C' OF UPSTREAM VALVE. INSTALL POWER BEYOND
PLUG ASSY INTO PORT 'C'.
CONNECT A HYDRAULIC LINE FROM THE POWER
BEYOND PORT TO A DOWNSTREAM FUNCTION, AND
ALSO A LINE FROM THE TANK PORT 'T' TO TANK.
WITH ALL SPOOLS CENTERED, OIL FLOW IS
DIRECTED TO THE POWER BEYOND PORT FOR USE
BY THE DOWNSTREAM FUNCTION.
WHEN A SPOOL IS SHIFTED, OIL WILL BE DIRECTED
TO A WORK PORT AND THE RETURN FLOW GOES
to TANK.

OPTIONAL CLOSED CENTER OPERATION:
A CLOSED CENTER CONVERSION PLUG ASSY IS
INCLUDED WITH VALVE, BUT IS SHIPPED UNINSTALLED.
REMOVE & DISCARD STEEL PLUG FROM PORT 'C' OF
VALVE. INSTALL CLOSED CENTER CONV PLUG ASSY INTO
PORT 'C'.
CONNECT A LINE FROM THE TANK PORT 'T' TO TANK.

EXAMPLE WLVT21CGB5A1 LOADER VALVE HYDRAULIC CIRCUIT
(OPEN CENTER):

WORK PORT CONNECTIONS:
A1 - BASE END OF BOOM CYLINDER
B1 - ROD END OF BOOM CYLINDER
A2 - ROD END OF BUCKET CYLINDER
B2 - BASE END OF BUCKET CYLINDER

NOTE: VALVE TO BE ORIENTED WITH INLET
PORT UP (OR TOWARDS FRONT), AND
WORK PORTS TOWARDS OPERATOR'S RIGHT
TO ACHIEVE THIS HANDLE SHIFT PATTERN.

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