HYDRAULIC SERVICE JACK
Model 91-642, 93642, 95642, YA-642
Series "A"

2 TON CAPACITY

SECTION A-A

SECTION B-B

PUMP & CYLINDER ASSEMBLY

FOR YOUR SAFETY - USE JACK STANDS TO SUPPORT VEHICLE BEFORE GETTING UNDER IT.

LINCOLN ST. LOUIS • McNEIL CORPORATION

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L-AUG-83

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FORM 10892
**TROUBLESHOOTING**

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Oil leaking thru filler plug</td>
<td>The reservoir could be overfilled. The filler plug is designed with an automatic ventilator valve which allows excessive air or oil to escape from the hydraulic system.</td>
</tr>
<tr>
<td>2) Jack will not lift load</td>
<td>The jack could be low on oil. Remove the filler plug and fill reservoir with clean HYDRAULIC JACK OIL.</td>
</tr>
<tr>
<td>3) Jack will not lift full height</td>
<td></td>
</tr>
<tr>
<td>4) Jack pump feels &quot;spongy&quot; under load</td>
<td></td>
</tr>
<tr>
<td>1) Handle &amp; release valve difficult to turn</td>
<td>Refer to the lubrication instructions in the Maintenance section.</td>
</tr>
<tr>
<td>2) Lifting arm will not retract properly</td>
<td></td>
</tr>
<tr>
<td>1) Jack will not lift load</td>
<td>The jack could be air bound. Open the release valve one full turn and pump the handle vigorously. Close the release valve and operate.</td>
</tr>
<tr>
<td>2) Jack will not lift full height</td>
<td></td>
</tr>
<tr>
<td>3) Jack pump feels &quot;spongy&quot; under load</td>
<td></td>
</tr>
<tr>
<td>1) Jack handle raises under load</td>
<td>The valves might not be closing. Lower the lifting arm and close the release valve. Place one foot on a front wheel and raise the lifting arm to its full height by hand. Open the release valve to lower the lifting arm. The jack should now operate properly.</td>
</tr>
<tr>
<td>2) Jack handle lowers under load</td>
<td></td>
</tr>
<tr>
<td>3) Jack will not lift load</td>
<td></td>
</tr>
<tr>
<td>4) Jack will not hold load</td>
<td></td>
</tr>
</tbody>
</table>

If the above procedures do not correct the problem, contact your nearest service depot. When submitting any jack or equipment to be repaired, be sure to state the nature of the problem and indicate whether an estimate of the repair cost is needed.

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**IMPORTANT:** As with any hydraulic unit, this unit may occasionally become "air-bound" due to being tipped over during shipment. To purge the air from the oil lines, open the release and pump rapidly a few strokes. Close release and pump to full height, then open the release to allow the ram to descend rapidly. If the pump still seems "spongy" repeat the procedure.

**MODEL**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LABEL KIT NO.</th>
<th>REPAIR KIT NO.</th>
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<tbody>
<tr>
<td>91-642</td>
<td>240000</td>
<td>240530</td>
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<tr>
<td>93-642</td>
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<tr>
<td>95-642</td>
<td>240002</td>
<td>240530</td>
</tr>
<tr>
<td>YA-642</td>
<td>240003</td>
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</table>

**Capacity (Tons), Low Pickup Height, High Lifting Point, Power Raise, Cap Size (Sq.), Handle Length, Chassis Length, Chassis Height (Max.), Front Wheel (Dia.), Caster Wheel (Dia.)**

**SERVICE PARTS**

<table>
<thead>
<tr>
<th>PART</th>
<th>QUAN.</th>
<th>DESCRIPTION</th>
<th>PART</th>
<th>QUAN.</th>
<th>DESCRIPTION</th>
<th>PART</th>
<th>QUAN.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>200003</td>
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<td>Gasket</td>
<td>221318</td>
<td>1</td>
<td>Suction screen</td>
<td>226365</td>
<td>1</td>
<td>Cup - pump cover</td>
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<tr>
<td>501142</td>
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<td>Cross pin</td>
<td>221408</td>
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<td>Cotter pin</td>
<td>226373</td>
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<td>Spring</td>
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<td>221706</td>
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<td>227045</td>
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<td>Pump &amp; cylinder assembly</td>
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