DISASSEMBLY INSTRUCTIONS
1) Remove the lifting saddle and the long and short extensions from the stand.
2) Remove the four bolts holding the cylinder cap to the cylinder.
3) With a rubber hammer, strike the underside of the overhanging ears on the cylinder cap until it separates from the cylinder.
4) Relieve the vacuum between the cylinder and the ram by cocking the ram enough to break the seal.
5) Remove the ram and return spring.

ASSEMBLY INSTRUCTIONS
1) Thoroughly clean the cylinder and ram parts with Amosal or comparable cleaning solution.
2) When replacing packing, apply Grade CVV Loctite to the threads of the packing bolt to get an air-tight connection. Tighten the packing bolt snugly but not tight enough to distort the packing.
3) Grease cylinder and lip of new packing with Lubri-Plate or other comparable grease.
4) While holding the plastic slip ring in its groove, insert the ram into the cylinder. Do Not damage lip on rubber packing. Open the air valve to let the ram move to the bottom of the cylinder.
5) Place the spring over the ram with the large end up.
6) Replace the cylinder cap and the four bolts holding it to the cylinder. Do Not overtighten.
7) Test the jack by raising and lowering it several times. Check for air leaks and smooth retraction.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
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<tbody>
<tr>
<td>1) Will not lift load.</td>
<td>Air pressure might be too low — 200 psi minimum air pressure required to lift rated load.</td>
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<tr>
<td></td>
<td>Air hose I.D. might be too small — Use larger air hose.</td>
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<tr>
<td></td>
<td>Air hose might be plugged — Remove obstruction from air hose.</td>
</tr>
<tr>
<td>2) Will not lower.</td>
<td>Lower pins might not have been removed — Admit air until stand raises slightly, then remove lower pins.</td>
</tr>
<tr>
<td>3) Jack is very bouncy.</td>
<td>Cylinder might need lubrication — Apply #650-AAA LUBRIPLATE to cylinder wall.</td>
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</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.

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.

LINCOLN ST. LOUIS provides a Distributor Network that stocks equipment and replacement parts. A list of Authorized Service Departments will be furnished upon request.