### SAFETY RECOMMENDATIONS

- Safety glasses and gloves should be worn during the service.
- Use extreme caution when raising the vehicle on the lift.

### DIFFERENTIAL FLUID EXCHANGE

#### PREPARATION

<table>
<thead>
<tr>
<th>Attach to <strong>NEW FLUID</strong> cap / inlet tube the appropriate differential fluid.</th>
<th><img src="image1.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect battery cables to vehicle’s battery.</td>
<td><img src="image2.jpg" alt="Image" /></td>
</tr>
<tr>
<td>Select appropriate adapter.</td>
<td><img src="image3.jpg" alt="Image" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attach the adapter to the <strong>BLACK</strong> service hose.</th>
<th><img src="image4.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NOTE:</strong> Use larger suction wand whenever possible.</td>
<td></td>
</tr>
</tbody>
</table>

#### DRAIN DIFFERENTIAL

<table>
<thead>
<tr>
<th>Insert adapter into vehicle’s differential fill hole.</th>
<th><img src="image5.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Open ball valve on <strong>BLACK</strong> service hose.</td>
<td><img src="image6.jpg" alt="Image" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Set the <strong>USED FLUID</strong> switch to the <strong>ON</strong> position to remove fluid from the vehicle’s differential.</th>
<th><img src="image7.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Set the switch <strong>OFF</strong> when finished.</td>
<td><img src="image8.jpg" alt="Image" /></td>
</tr>
<tr>
<td><strong>NOTE:</strong> If vehicle has a drain plug, it can be removed to drain system.</td>
<td></td>
</tr>
</tbody>
</table>
**DFPSX-500**  
Differential & Power Steering  
Fluid X-Changer

## QUICK START INSTRUCTIONS

### FILL DIFFERENTIAL

Attach the adapter to the **RED** service hose  
Insert adapter into vehicle’s differential fill hole.  
Open ball valve on **RED** service hose.

![Filling Differential](image)

Set the **NEW FLUID** switch to the **ON** position to add fluid to the vehicle’s differential.  
Set the switch **OFF** when finished, and then close ball valve.  
**NOTE:** Failure to turn switch off before closing ball valve will cause pump to shut off. Turn switch off to reset.

![Switch ON/OFF](image)

### DISCONNECT

Close ball valves and remove adapters from service hoses.

![Disconnect Battery Cables](image)

Disconnect battery cables from vehicle’s battery.
## POWER STEERING FLUID EXCHANGE

### PREPARATION

<table>
<thead>
<tr>
<th>Task</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check the fluid level and quality.</td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
<tr>
<td>Road test the vehicle for at least one mile.</td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>Make sure that there are no problems with the power steering system such as leaks, belt slippage or excessive noise.</td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>Connect battery cables to vehicle’s battery.</td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
<tr>
<td>Position and secure the fluid line into the power steering fluid reservoir and make sure hose ball valves are in the open position.</td>
<td><img src="image5.png" alt="Image" /></td>
</tr>
<tr>
<td>Attach <strong>NEW FLUID</strong> cap / inlet tube to bottle of new power steering fluid.</td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>Make sure <strong>USED FLUID</strong> bottle is empty &amp; attach to <strong>USED FLUID</strong> cap/inlet tube.</td>
<td><img src="image7.png" alt="Image" /></td>
</tr>
</tbody>
</table>

### PERFORMING SERVICE

<table>
<thead>
<tr>
<th>Task</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start the vehicle’s engine.</td>
<td><img src="image8.png" alt="Image" /></td>
</tr>
<tr>
<td>While watching the fluid level in the reservoir, use the <strong>DRAIN</strong> and <strong>ADD</strong> buttons on the remote pendant to repeatedly drain and add fluid. Repeated purging and adding of fluid will flush the old fluid out of the reservoir.</td>
<td><img src="image9.png" alt="Image" /></td>
</tr>
<tr>
<td>Turn the steering wheel lock to lock several times, and repeat drain/fill and turning steering wheel until the fluid is clean.</td>
<td><img src="image10.png" alt="Image" /></td>
</tr>
<tr>
<td>When finished, adjust fluid level, turn the ball valves to the “off” position on both hoses, and remove fluid line from power steering fluid reservoir.</td>
<td><img src="image11.png" alt="Image" /></td>
</tr>
<tr>
<td>Turn off engine, disconnect battery cables, and replace reservoir cap (and screen if applicable).</td>
<td><img src="image12.png" alt="Image" /></td>
</tr>
</tbody>
</table>