PREPARATION AND REMOVAL OF THE VALVE TO BE REPLACED (cont’d)

3. Drain all tractor reservoirs.
4. Locate valve to be replaced.
5. Carefully tag all air lines which are connected to the valve being replaced, as follows:
   A. Trailer Service
   B. Trailer Emergency (supply)
   C. Tractor Service
   D. Tractor Emergency (supply)

\section*{WARNING}

Before placing the vehicle back in service, close the reservoir drains and perform the following tests:

1. Reconnect tractor to trailer. Charge the tractor air system. Activate the trailer supply valve in the tractor cab. Observe trailer emergency brakes releasing and trailer reservoirs filling.
2. Pull knob on trailer supply valve, observe trailer emergency brakes applying.
3. Activate the trailer supply valve again. Next, make a pedal or hand valve application. Be sure service brakes are working. Repeat several times.
4. Check new installation for leaks around fittings and connections.
5. Have tractor air system charged and trailer supply valve activated. Disconnect the emergency (supply) gladhand. Observe trailer emergency brakes applying and trailer supply valve shutting off air supply to emergency line.
6. Upon successful completion of the above test, remove the wheel blocks.
The Haldex KN34060/KN34061 Tractor Protection Valve (2 Line) Non-Automatic will replace the Bendix TP-3's. Some rerouting of lines may be required. The following information provides proper instructions for the installation or changeover of the Haldex KN34060/KN34061 Tractor Protection Valve.

**Preparation and Removal of the Valve to be Replaced**

1. Block tractor and trailer wheels to prevent fore or aft roll.
2. Disconnect tractor/trailer hose couplings. (continued on reverse side)
3. Never exceed recommended working air pressure and always wear safety glasses. If may whip as air escapes. Never touch a component or a pipe plug unless you are certain all system air pressure has been exhausted.
4. System air pressure drops. Never connect or disconnect a hose or line containing air pressure. It may whip as air escapes. Never touch a component or a pipe plug unless you are certain all system pressure has been exhausted.

When working on system components the following precautions should be observed:

1. When working on air system components the following precautions should be observed.
2. Stop engine when working under a vehicle. Always lock the vehicle wheels against a fore or aft roll. Bleeding off system air pressure may cause the vehicle to roll. Keep hands away from brake chamber push rods and brake adjusters; they may apply as the pressure drops.
3. Never attempt to disassemble a component until you have read and understood all recommended procedures. Some components contain powerful springs and injury can result if not properly disassembled. Use only proper tools and observe all precautions recommended procedure. Never attempt to disassemble a component until you have read and understood all recommended procedures. Some components contain powerful springs and injury can result if not properly disassembled. Use only proper tools and observe all precautions recommended procedure.
4. Never exceed recommended working air pressure and always wear safety glasses. If may whip as air escapes. Never touch a component or a pipe plug unless you are certain all system air pressure has been exhausted.

**Haldex KN34060/KN34061 Non-Automatic Two-Way Tractor Protection Valve**

- The Haldex KN34060/KN34061 will replace any Haldex or Seaco non-override high pop pressure dash valve.
- The exhaust port on the Bendix valve, the exhaust port must face downward.
- The exhaust port on the Bendix valve is on the opposite end of the valve from the tractor service port. On both the Bendix and the Haldex, the tractor emergency port is 1/4 N.P.T.
- On both the Bendix and the Haldex, the tractor service port is 5/8 N.P.T.

### From Bendix to Haldex

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bendix Port Size</th>
<th>Haldex Port Size</th>
</tr>
</thead>
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<tr>
<td>279000</td>
<td>1/2 N.P.T.</td>
<td>Same as Haldex</td>
</tr>
<tr>
<td>279692</td>
<td>3/8 N.P.T.</td>
<td>Reducer Bushing Required</td>
</tr>
<tr>
<td>280830</td>
<td>1/2 N.P.T.</td>
<td>Same as Haldex</td>
</tr>
<tr>
<td>280932</td>
<td>1/2 N.P.T.</td>
<td>Same as Haldex</td>
</tr>
<tr>
<td>288055</td>
<td>1/2 N.P.T.</td>
<td>Same as Haldex</td>
</tr>
<tr>
<td>279962</td>
<td>3/8 N.P.T.</td>
<td>Reducer Bushing Required</td>
</tr>
<tr>
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When working on system components the following precautions should be observed.