Thru-Drive Vane Type Pump
(F3)—45VT*(M)—**A(M)2—**—*—22
### Parts List

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ADAPTER PLATE</th>
<th>ADAPTER KIT</th>
<th>SPACER KIT</th>
<th>RETAINING RING</th>
<th>COUPLING KIT</th>
<th>COUPLING KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTA</td>
<td>584936</td>
<td>941296</td>
<td>—</td>
<td>223172</td>
<td>426770</td>
<td>02-136810</td>
</tr>
<tr>
<td>VTB</td>
<td>584922</td>
<td>941297</td>
<td>—</td>
<td>83003 (1)</td>
<td>584924</td>
<td>02-136813</td>
</tr>
<tr>
<td>VTBP</td>
<td></td>
<td></td>
<td>02-136817</td>
<td>83003 (2)</td>
<td></td>
<td>02-136814</td>
</tr>
<tr>
<td>VTC</td>
<td>581833</td>
<td>941298</td>
<td>—</td>
<td>103989</td>
<td>585658</td>
<td>02-136816</td>
</tr>
</tbody>
</table>

**NOTE**

For BP models an adapter kit and spacer kit is required.

- Included in seal kit (See Table)
- Included in cartridge kit (See Table)
- Included in coupling kit (See Table)
- Included in adapter kit (See Table)
- Included in spacer kit (BP models only)
- Included in F3 equivalent seal kit (See Table)
- Parts prefixed with symbols available only in kits.

© Eaton Hydraulics, Incorporated 2000
All Rights Reserved
For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. OFP, OFR, and OFRS series filters are recommended.
To reverse cartridge kit rotation, remove the two screws and reverse the location of the inlet support plate and outlet support plate. Reinstall the two screws hand tight. Use pump cover to align all sections of the cartridge. Carefully remove the cover and tighten the screws.

NOTE

When ordering spare cartridge parts, it is recommended they be obtained in cartridge kits. Kits are assembled and tested by Vickers for either right or left hand rotation. If left hand rotation is required, it should be specified on parts order by adding suffix “L” to cartridge kit number.