Critical Wear Areas & Vacuum Test Locations

NOTE: OE valves are shown in rest position and should be tested in rest position unless otherwise indicated. Test locations are pointed to with an arrow. Springs are not shown for visual clarity. Low vacuum reading indicates wear.

Valve & Pump Bodies

**Primary Pulley Regulator Valve**
- Chatter on acceleration
- Damaged valve body casting
- High/Low line pressure
- Pulley breakage
- Slips in Forward & Reverse
*Replace with Sonnax Part No. 33741F-02K Requires F-33741F-TL2 & VB-FIX*

**Overdrive Reverse Select Switch Valve**
- No high ratios
- No Reverse

**Manual Valve**
- Delayed engagement
- Low pressure

**Solenoid Regulator Valve**
- Chatter/Noise on acceleration
- Push belt slippage
- Increased push belt & pulley wear
- Low line rise
- Low solenoid feed pressure
- No ratio change
*Replace with Sonnax Part No. 33741F-03K Requires F-33741F-TL3*

**Pump Flow Control Valve**
- Push belt slippage
- Delayed engagement
- Low pump volume
*Replace with Sonnax Part No. 33510N-02 or 33510N-01 Requires F-33510N-TL & VB-FIX*

**TCC Switch Valve & Sleeve**
- Jerking on coastdown
- High engine RPM
- Engine stall on engagement
- No lockup
- Harsh engagement
*Replace with Sonnax Part No. 113741-11K*

**Secondary Pulley/Pressure Regulator Valve**
- Push belt slippage
- Pulley breakage
- RPM surge
- Chatter on acceleration
*Replace with Sonnax Part No. 33741F-01K Requires F-33741F-TL & VB-FIX*

**Torque Converter/ Lube Regulator Valve**
- Engine stall on engagement
- Increased RPM during acceleration
- No lockup
- Overheated fluid
- Poor fuel economy
- Poor lube oil control
- Poor performance
- Ratio codes
*Replace with Sonnax Part No. 33741F-04K Requires F-33741F-TL4 & VB-FIX*
OE Exploded View

Valve & Pump Bodies

### Valve Body Descriptions

<table>
<thead>
<tr>
<th>I.D No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>TCC Switch Valve (inboard), TCC Switch Valve Plunger &amp; Sleeve (outboard)</td>
</tr>
<tr>
<td>102</td>
<td>Secondary Pulley - Pressure Regulator Valve</td>
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<tr>
<td>103</td>
<td>Manual Valve</td>
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<tr>
<td>104</td>
<td>TC/Lube Regulator Valve</td>
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<tr>
<td>105</td>
<td>Solenoid Regulator Valve</td>
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<td>106</td>
<td>OD-R Select Switch Valve</td>
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<tr>
<td>107</td>
<td>Primary Pulley Regulator Valve</td>
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### Pump Body Descriptions

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<th>I.D No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>201</td>
<td>Pump Flow Control Valve</td>
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</tbody>
</table>

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