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 Body • 45RFE Shown

Solenoid Switch Valve
- Codes 841, 868, 871, 988, 1775, 1776
- OD & 4th clutch failure
- Bind-up
Replace with Sonnax Part No.
92835-02K, replaces .420" dia. OE valve
92835-22K, replaces .493" dia. OE valve
92835-31K requires F-92835-TL31 & VB-FIX
92835-32K requires F-92835-TL32 & VB-FIX

Accumulator Pistons
- 1-2 Shudder
- Cooldown clunk
- Slide shifts
Replace with Sonnax Part No.
92834-03K, Accumulator Piston & Sleeve Kit (45RFE, 545RFE only)
92834-05K, Accumulator Piston & Sleeve Kit with Springs (45RFE, 545RFE only)

Accumulator Retaining Plate
- Broken plate
Sonnax Part No. 44892-01K

Low Reverse Switch Valve
- Delayed engagement
- Low Reverse clutch failure

Click on Sonnax part numbers to see more information.
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.

**Pump Body • 45RFE Shown**

**TCC Limit Valve Spring**
- Broken spring
- Engine stall on engagement
- Overheated converter
- Delayed engagement

*Replace with Sonnax Part No. 44912-02*

**TCC Accumulator Spring**
- Harsh TCC apply
- TCC engagement complaints

*Replace with Sonnax Part No. 44912-01*

**TCC Control Valve**
- No TCC
- TCC slip codes
- TCC engagement complaints

**TCC Switch Valve**
- No TCC
- TCC slip codes
- TCC engagement complaints

*Replace with Sonnax Part No. 44912-08K*

**Pressure Regulator Valve**
- Harsh/Soft shifts
- Broken parts due to high pressure
- Erratic line pressure

*Replace with Sonnax Part No. 44912-10K*

Test with .125” shim in between the balance end of the valve and the casting.
OE Exploded View

Valve Body • 45RFE Shown

Valve Body Descriptions

<table>
<thead>
<tr>
<th>I.D. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Solenoid Switch Valve</td>
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<tr>
<td>102</td>
<td>Manual Valve</td>
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<td>103</td>
<td>Low Reverse Accumulator Piston</td>
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<td>104</td>
<td>Low Reverse Switch Valve</td>
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<tr>
<td>105</td>
<td>Second Clutch Accumulator Piston</td>
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<td>Fourth Clutch Accumulator Piston</td>
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<td>107</td>
<td>Underdrive Clutch Accumulator Piston</td>
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<td>108</td>
<td>Overdrive Clutch Accumulator Piston</td>
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<td>109</td>
<td>Accumulator Retaining Plate</td>
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OE Exploded View

Pump Body • 45RFE Shown

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<td>201</td>
<td>TCC Switch Valve</td>
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<tr>
<td>202</td>
<td>Main Pressure Regulator Valve</td>
</tr>
<tr>
<td>203</td>
<td>TC Limit Valve</td>
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<tr>
<td>204</td>
<td>TCC Accumulator Control Valve</td>
</tr>
</tbody>
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