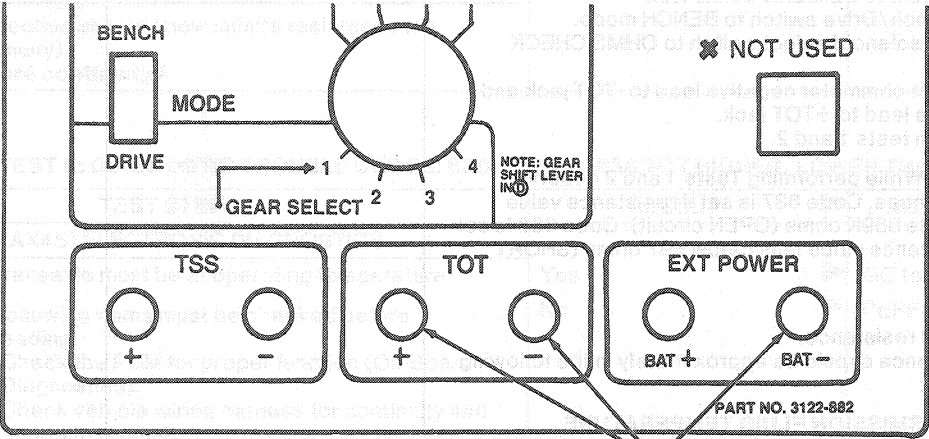


DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST B: DIAGNOSTIC TROUBLE CODES: 636, 637 and 638 TOT HIGHER/LOWER THAN EXPECTED (Continued)**

	TEST STEP	RESULT	ACTION TO TAKE
<b>B4</b>	<p><b>CHECK TOT SENSOR/HARNESS FOR SHORT TO GROUND</b></p> <ul style="list-style-type: none"> <li>● Check for continuity between BAT- jack (engine ground) and appropriate jack (-TOT and +TOT) with ohmmeter or other low current tester (less than 200 milliamps).</li> <li>● Connection should show infinite resistance (no continuity).</li> <li>● <b>Is there continuity?</b></li> </ul>	<p>Yes No</p>	<p>▶ <b>GO to B5.</b> ▶ <b>REPEAT Self-Test.</b> If DTC is still present, REFER to the Powertrain Control/Emissions Diagnosis Manual<sup>27</sup> for PCM and vehicle harness diagnosis.</p>
<div style="text-align: center;">  <p>CONNECT OHMMETER BETWEEN EACH TOT JACKS AND BAT - JACK</p> <p><b>D10369-B</b></p> </div>			
<b>B5</b>	<p><b>AXODE (AX4S) INTERNAL ELECTRONIC DIAGNOSTICS</b></p> <ul style="list-style-type: none"> <li>● Drain transaxle fluid.</li> <li>● Remove transaxle side pan.</li> <li>● Check that internal harness connector is fully engaged on the TOT sensor.</li> <li>● Check that internal harness connector terminals are fully seated in the connector.</li> <li>● Inspect the connector for damage.</li> <li>● <b>Is everything in good condition?</b></li> </ul>	<p>Yes No</p>	<p>▶ <b>GO to B6.</b> ▶ <b>SERVICE</b> as required.</p>
<b>B6</b>	<p><b>CHECK INTERNAL AXODE (AX4S) HARNESS (CONTINUITY)</b></p> <ul style="list-style-type: none"> <li>● Disconnect internal harness from TOT sensor.</li> </ul> <p><b>CAUTION: Do not probe into the connector terminals.</b></p> <ul style="list-style-type: none"> <li>● Connect positive lead from an ohmmeter to tester +TOT jack and negative lead at Black wire of TOT sensor connector.</li> <li>● Record resistance. Resistance should be less than 0.5 ohm.</li> <li>● Connect positive lead from ohmmeter to tester -TOT jack and negative lead to the White wire of the TOT wire connector.</li> <li>● Record resistance. Resistance should be less than 0.5 ohm.</li> <li>● <b>Is each resistance less than 0.5 ohm?</b></li> </ul>	<p>Yes No</p>	<p>▶ <b>GO to B7.</b> ▶ <b>REPLACE</b> internal harness. <b>GO to B8.</b></p>

<sup>27</sup> Can be purchased as a separate item.