

DIAGNOSIS AND TESTING (Continued)

(Continued)

PINPOINT TEST A: DIAGNOSTIC TROUBLE CODES: 621, 622 AND 641 SOLENOID CIRCUIT FAILURES; 645, 646, 647 and 648 INCORRECT GEAR RATIO OBTAINED (Continued)

TEST STEP		RESULT	ACTION TO TAKE								
A11	CHECK SOLENOID FOR SHORT TO GROUND	Yes	<ul style="list-style-type: none"> REPLACE shift solenoid. GO to Hydraulic / Mechanical Diagnosis as outlined. 								
		No									
<ul style="list-style-type: none"> Check for continuity between engine ground and appropriate shift solenoid terminal with ohmmeter or other low current tester (less than 200 milliamps). 											
<table border="1"> <thead> <tr> <th>Solenoid</th> <th>Terminals As Marked On Solenoid</th> </tr> </thead> <tbody> <tr> <td>SS-1</td> <td>+/-</td> </tr> <tr> <td>SS-2</td> <td>+/-</td> </tr> <tr> <td>SS-3</td> <td>+/-</td> </tr> </tbody> </table>		Solenoid	Terminals As Marked On Solenoid	SS-1	+/-	SS-2	+/-	SS-3	+/-		
Solenoid	Terminals As Marked On Solenoid										
SS-1	+/-										
SS-2	+/-										
SS-3	+/-										
<ul style="list-style-type: none"> Connection should show infinite resistance (no continuity). Is there continuity? 											

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

TEST STEP		RESULT	ACTION TO TAKE
B1	AXODE (AX4S) ELECTRONIC DIAGNOSTICS	Yes	<ul style="list-style-type: none"> GO to B2. PERFORM checks.
		No	
<p>NOTE: Transaxle must be at operating temperature.</p> <ul style="list-style-type: none"> The following items must be checked before proceeding: <ul style="list-style-type: none"> Check the PCM for proper function (On-Board Diagnostics). Check vehicle wiring harness for continuity and shorts to ground. Make sure all connectors are engaged properly. Make sure all terminals in connectors are properly seated. Check all connectors for damage, corrosion, water, bent pins and missing or damaged seals. Have items been checked? 			
B2	CHECK HARNESS CONNECTIONS	Yes	<ul style="list-style-type: none"> GO to B3. SERVICE as required.
		No	
<ul style="list-style-type: none"> Check that vehicle harness connector is fully engaged on transaxle connector. Check that vehicle harness connector terminals are fully engaged in connector. Are the harness/terminals fully engaged? 			