

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST E: DIAGNOSTIC TROUBLE CODES: 624 AND 625 EPC CIRCUIT FAILURES (Continued)

TEST STEP		RESULT	ACTION TO TAKE			
E7	CHECK INTERNAL AXODE (AX4S) HARNESS (CONTINUITY)	Yes	GO to E8.			
	<ul style="list-style-type: none"> Disconnect internal harness from the EPC solenoid assembly. Connect the positive lead from ohmmeter to the tester EPC jack and the negative lead at the Blue wire at the EPC connector. Record resistance. Should be less than 0.5 ohm. Connect the positive lead from an ohmmeter to the tester VPWR jack and the negative lead at the Green wire at the EPC connector. Record resistance. Is each resistance less than 0.5 ohm? 	No	REPLACE internal harness. GO to E9.			
E8	CHECK INTERNAL AXODE (AX4S) HARNESS (SHORTS TO GROUND)	Yes	REPLACE internal harness. GO to E9.			
	<ul style="list-style-type: none"> Check for continuity between BAT- jack (engine ground) and the appropriate wire with an ohmmeter or other low current tester (less than 200 milliamps). <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Solenoid</td> <td style="text-align: center;">Wire</td> </tr> <tr> <td style="text-align: center;">EPC</td> <td style="text-align: center;">Green - Blue+</td> </tr> </table> <ul style="list-style-type: none"> Connection should show infinite resistance (no continuity). Is there continuity? 	Solenoid	Wire	EPC	Green - Blue+	No
Solenoid	Wire					
EPC	Green - Blue+					
E9	CHECK SOLENOID RESISTANCE	Yes	GO to E10.			
	<ul style="list-style-type: none"> Check solenoid resistance by connecting an ohmmeter at the EPC terminals of the solenoid assembly. Record resistance. Is resistance between 3.23 - 5.5 ohms? 	No	REPLACE EPC solenoid.			
E10	CHECK SOLENOID FOR SHORT TO GROUND	Yes	REPLACE EPC solenoid.			
	<ul style="list-style-type: none"> Check for continuity between BAT- jack (engine ground) and each EPC terminal with ohmmeter or other low current tester (less than 200 milliamps). <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Solenoid</td> <td style="text-align: center;">Terminal</td> </tr> <tr> <td style="text-align: center;">EPC</td> <td style="text-align: center;">+/-</td> </tr> </table> <ul style="list-style-type: none"> Connection should show infinite resistance (no continuity). Is there continuity? 	Solenoid	Terminal	EPC	+/-	No
Solenoid	Terminal					
EPC	+/-					

TD10348B

PINPOINT TEST F: DIAGNOSTIC TROUBLE CODE: 639 INSUFFICIENT INPUT FOR TRANSMISSION SPEED SENSOR

TEST STEP		RESULT	ACTION TO TAKE
F1	AXODE (AX4S) ELECTRONIC DIAGNOSTICS	Yes	GO to F2.
	<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 the 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? 	No	PERFORM checks.