

DIAGNOSIS AND TESTING (Continued)

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

TEST STEP	RESULT	ACTION TO TAKE
E1 AXODE (AX4S) ELECTRONIC DIAGNOSTICS		
<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? 	Yes No	GO to E2. PERFORM checks.
E2 CHECK HARNESS CONNECTIONS		
<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 connectors / terminals fully engaged? 	Yes No	GO to E3. SERVICE as required.
E3 TRANSAXLE FUNCTIONAL TEST		
<ul style="list-style-type: none"> Disconnect vehicle harness at transaxle connector. <p>CAUTION: Do not attempt to pry connector. Pull vehicle harness connector.</p> <ul style="list-style-type: none"> Install line pressure gauge at line tap on case. Install Rotunda Transmission Tester 007-00085 or equivalent to transaxle connector. Set Bench / Drive switch to DRIVE mode. Rotate gear selector switch to first gear position. Using tests outlined under Tester instructions, perform EPC Functional Test. <p>NOTE: LED will turn GREEN when solenoid activates and turn OFF when deactivated. LED will turn RED if activated solenoid / harness is shorted to B+. LED will remain OFF if an activated solenoid / harness is shorted to ground or no continuity (open circuit).</p> <ul style="list-style-type: none"> Does EPC (LED) activate when EPC switch is depressed? Observe line pressure on gauge while depressing the EPC switch (engine must be running). Does line pressure drop? 	Yes No	REFER to Powertrain Control / Emissions Diagnosis Manual ³¹ to diagnose PCM or vehicle harness. GO to E4.
E4 CHECK RESISTANCE OF SOLENOID / HARNESS		
<ul style="list-style-type: none"> Set Bench / Drive switch to BENCH mode. Rotate gear select switch to OHMS CHECK position. Connect ohmmeter negative lead to EPC jack and positive lead to VPWR jack on tester. This is to test EPC solenoid and harness. Record resistance. Is resistance between 3.23-5.5 ohms? 	Yes No	GO to E5. Internal harness or solenoid may be damaged. GO to E6.

31 Can be purchased as a separate item.