DIAGNOSIS AND TESTING (Continued)

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

	TEST STEP of back to the control of	RESULT		ACTION TO TAKE
A1	AXODE (AX4S) ELECTRONIC DIAGNOSTICS			
	The following items must be checked before proceeding: Check the PCM assembly 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 Suger! No agai cuse ou turn in a sus suns ou turn i eute vivur has angaichta. Gash has ar toa it sulav intognic cha tison. Intognic cha tison.		GO to A2. PERFORM checks. Og blidde seggen acception of the seggen acceptance of the segge acceptance of the segge acceptance of the segge acceptance of the segge acce
A2	CHECK HARNESS CONNECTIONS	Books Sylvium arake		CATCHER BATTER
	 Check that vehicle harness connector is fully engaged on transaxle connector. Check that transaxle harness connector terminals are fully engaged in connector. Are harness/terminals fully engaged? 	Yes No Send Send Send Send Send Send Send Send	>	GO to A3. SERVICE as required.
43	TRANSAXLE FUNCTIONAL TEST			
	CAUTION: Do not pry connector. Pull vehicle harness connector. Disconnect vehicle harness at transaxle. Install Rotunda Transmission Tester (007-00085) or equivalent to transaxle connector. Using tests outlined under Transmission Tester Instructions: — Perform Solenoid Function Tests outlined under	Yes white any motives No street some the control of		GO to A4. GO to A5.
	Tester Instructions. NOTE: LED will turn GREEN when solenoid activates and turn OFF when deactivated. LED will turn RED if an 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). — Do the solenoids (LED) activate (LED	Services of A		
	GREEN)?			sta (eucydei) foi ysta: <u>Yr colonolo</u> s (e
	Perform Drive Test as outlined under Transmission Tester Instructions. Does the vehicle upshift when commanded by the tester?	Yes of more more		REFER to the Powertrain Control / Emissions Diagnosis Manual ²⁶ to DIAGNOSE PCM or vehicle harness concerns. ERASE all codes and perform Drive
	Signal Service Committee C	No the (con 3)		Cycle Test as outlined in this Section. RERUN On-Board Diagnostics. I DTC's are still present, REFER to Hydraulic/Mechanical Diagnosis charts under Diagnosis By Symptom. GO to A5.