

DIAGNOSIS (Continued)

PINPOINT TEST A: FUEL SYSTEM DIAGNOSTICS (Continued)		
TEST STEP	RESULT	ACTION TO TAKE
A12 CHECK FUEL PRESSURE REGULATOR		
<ul style="list-style-type: none"> Disconnect return line at fuel pressure regulator. Connect outlet of regulator to appropriate receptacle to catch return fuel. Run fuel pump as in Step A2. Is fuel being returned from regulator with low pressure in system? 	Yes No	REPLACE regulator. RECHECK pressure as in Step A3. GO to A4.
A13 CHECK FUEL PRESSURE REGULATOR FOR LEAKS		
<ul style="list-style-type: none"> Disconnect return line at fuel pressure regulator. Connect outlet of regulator to appropriate receptacle to catch return fuel. Run fuel pump as in A2. Turn off fuel pump by removing ground or turning ignition to OFF position. Observe fuel return flow from regulator and system when pump is off. Remove vacuum hose from fuel pressure regulator and check for presence of fuel in regulator fitting (diaphragm leak). Is there return flow when pump is turned off and system pressure is dropping or is there fuel in regulator fitting? 	Yes No	REPLACE regulator and RECHECK pressure and leakage as in Steps A3 and A4. If OK, GO to A5. If not OK, REPEAT Step A3. If leakdown concern exists, GO to A8. Otherwise, GO to A7.
A14 CHECK FUEL INJECTOR FUNCTION		
<ul style="list-style-type: none"> With the engine warmed and idling (or cranking it if it does not start) and using a mechanics stethoscope or equivalent, listen for regularly spaced operating sounds at each fuel injector. Is operating sound present? 	Yes No	GO to A17. GO to A15.
A15 CHECK FUEL INJECTOR RESISTANCE		
<ul style="list-style-type: none"> Key off. Disconnect the electrical connector of the injector (one at the time). Measure the resistance of each injector, using the DVOM. Are all resistances between 13.0 and 18.0 ohms? 	Yes No	GO to A16. REPLACE the worn or damaged injectors. RECONNECT injectors.
A16 CHECK FUEL INJECTOR ELECTRICAL CONTINUITY SIGNAL		
<ul style="list-style-type: none"> Key off. Disconnect the injector lead and insert the continuity checker FA-407 (from the Rotunda Fuel Injector Tester 113-00001) into the injector lead plug. Start the engine. Observe whether the continuity checker blinks (showing a completed circuit for the injector being tested). Repeat the check for each injector. Do all injector circuits show continuity? 	Yes No	GO to A17. CHECK for 12 volts at each injector lead. SERVICE or REPLACE leads as required. REFER to EEC-IV Quick Test.