

DIESEL FUEL INJECTION TROUBLE SHOOTING (Cont.)

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p>HIGH SPEED DRIVEABILITY SYMPTOM</p> <p>Engine Smokes</p> <ul style="list-style-type: none"> ● Incorrect fuel. ● Air in fuel system. ● Incorrect injection pump adjustment. ● Incorrect injection pump timing. <p>Engine Exceeds Maximum Permissible Speed</p> <ul style="list-style-type: none"> ● Maximum speed stop misadjusted. ● Faulty governor. ● Control rod sticks open. ● Vacuum leak(s). 	<p>Engine Has Loss of Power</p> <ul style="list-style-type: none"> ● Throttle valve not fully open. ● Clogged air filter. ● Badly worn pump plungers. ● Low fuel pressure. ● Timing device stuck in idle position. ● Control rod stuck. ● Incorrect fuel. <p>Engine Will Not Stop</p> <ul style="list-style-type: none"> ● Stop cable broken or misadjusted. ● Incorrect idle speed setting. ● Faulty governor. ● Defective solenoid.

ELECTRIC FUEL PUMP TROUBLE SHOOTING

NOTE — This is a general trouble shooting guide. Not all steps will apply to all fuel pumps. Most electrical fuel pumps are sealed units and must be replaced if defective.

CAUTION — Be sure to relieve fuel pressure before opening a pressurized fuel injection system. Do not allow smoking, open flame or sparks in area while working on fuel system components. Fuel vapors may be present and danger of fire or explosion exists. Disconnect battery while working on fuel system.

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p>Pump Motor Not Operating; No Fuel Output</p> <ul style="list-style-type: none"> ● Faulty wiring. ● Blown fuse. ● Defective fuel pump circuit. ● Defective inertia switch. ● Damaged pump body. ● Defective fuel pump relay. <p>Pump Operating; No Fuel Output</p> <ul style="list-style-type: none"> ● No fuel supply. ● Pinched or blocked fuel line. ● Blocked fuel filter. ● Faulty fuel cut-off valve. ● Faulty fuel pump contact points. 	<p>Pump Operating; Low Fuel Output</p> <ul style="list-style-type: none"> ● Restricted fuel line, filter or damper. ● Poor fuel tank venting (may cause vacuum in tank if blocked). ● Air leak on inlet side of fuel pump. <p>Pump Noisy</p> <ul style="list-style-type: none"> ● Air leak on inlet side of fuel pump. ● Insecure fuel pump mounting. ● Metal fuel lines not secured. ● Defective insulation at pump mounting. <p>Excessive Pump Pressure</p> <ul style="list-style-type: none"> ● Defective pressure relief valve.