

1982 Fuel Systems

DIESEL FUEL INJECTION TROUBLE SHOOTING (Cont.)

CONDITION	POSSIBLE CAUSE	CORRECTION
Excessive Combustion Noise With Black Smoke	Incorrect pump timing Incorrect pump housing pressure Defective injection pump	Reset injection pump timing, see FUEL Check pump for internal leaks, FUEL Replace injection pump, see FUEL
Engine Will Not Shut Off With Key	Injection pump fuel solenoid does not return to off position	Check solenoid operation, see FUEL

NOTE: For GASOLINE FUEL INJECTION TROUBLE SHOOTING, see the appropriate article under the individual manufacturer in this section. Also see the appropriate article in COMPUTERIZED ENGINE CONTROLS Section.

TURBOCHARGER TROUBLE SHOOTING

CONDITION	POSSIBLE CAUSE	CORRECTION
Engine Detonation	Malfunction in spark advance or retard system	Check distributor and ignition, see ELECTRICAL
	EGR system defect	Check EGR system
	Carburetor/throttle body or turbocharger air inlet restrictions	Remove restrictions
	Actuator allows too much boost	Check boost pressure and adjust
Low Engine Power	Defect in carburetor/throttle body power system	Inspect and repair carburetor/throttle body, see FUEL
	Internal turbocharger defect	Replace turbocharger, see FUEL
	Air inlet restriction	Remove restriction in inlet
	Exhaust system restriction	Remove restriction
Engine Noise	Malfunction in spark advance or retard system	Check distributor and ignition, see ELECTRICAL
	EFE system defect	Check EFE system operation
	EGR system defect	Check EGR system
	EFE system defect	Check EFE system
Engine Surges	Loose exhaust system or leak	Check exhaust mounting and connections
	AIR system defect	Check AIR system
	Restricted turbocharger oil supply	Check oil delivery system
	ESC malfunction	Check ESC system
Excessive Oil Consumption (Blue Exhaust Smoke)	Defective vacuum switch	Replace defective switch
	EGR system defect	Check EGR system
	Loose turbocharger bolts on compressor side	Check mounting bolts and tighten
	Leak at turbocharger oil inlet	Check fittings and repair
Excessive Oil Consumption (Blue Exhaust Smoke)	Turbocharger oil drain hose leaks or stopped up	Check drain hose for restrictions or loose fittings
	Turbocharger seals leaking	Replace seals, see FUEL