

TROUBLESHOOTING

Problem	Possible cause	Remedy	Page
Engine overheats	Cooling system faulty Incorrect ignition timing	Troubleshoot cooling system Reset timing	CO-4
Engine will not crank or cranks slowly	Starting system faulty	Troubleshoot starting system	ST-2
Engine will not start/hard to start (cranks OK)	Vacuum leaks <ul style="list-style-type: none"> • PCV hoses • EGR valve • Intake manifold • Air intake chamber • Throttle body • ISC valve Pulling in air between air flow meter and throttle body Ignition problems <ul style="list-style-type: none"> • Ignition coil • Igniter • Distributor Ignition wiring disconnected or broken No fuel supply to injector <ul style="list-style-type: none"> • No fuel in tank • Fuel pump not working • Fuel filter clogged • Fuel line clogged or leaking EFI system problems ISC system problems Spark plugs faulty Low compression	Repair as necessary Repair as necessary Perform spark test Inspect wiring Troubleshoot EFI system Repair as necessary Check ISC system Inspect plugs Check compression	FI-66, 68 IG-5 FI-7 FI-72 IG-6 EM-15
Rough idle, stalls or misses	Vacuum leaks <ul style="list-style-type: none"> • PCV hoses • EGR valve • Intake manifold • Air intake chamber • Throttle body • ISC valve Pulling in air between air flow meter and throttle body Incorrect idle speed Incorrect ignition timing Ignition problems <ul style="list-style-type: none"> • Ignition coil • Igniter • Distributor Ignition wiring faulty EFI system problems Spark plugs faulty Engine overheats Low compression	Repair as necessary Repair as necessary Check ISC system Reset timing Perform spark test Inspect coil Inspect distributor Inspect wiring Repair as necessary Inspect plugs Check cooling system Check compression	FI-66, 68 FI-72 IG-12 IG-5 IG-6 CO-4 EM-15

TROUBLESHOOTING (Cont'd)

Problem	Possible cause	Remedy	Page
Excessive oil consumption (cont'd)	Valve stem and guide worn Valve stem seal worn	Check valves Check seals	EM-27 EM-52
Excessive fuel consumption	Fuel leak Air cleaner clogged Incorrect ignition timing EF I system problems <ul style="list-style-type: none"> • Injector faulty • Deceleration fuel cut system faulty Idle speed too high Spark plugs faulty EGR system always on Low compression Tires improperly inflated Brakes drag	Repair as necessary Check air cleaner Reset timing Repair as necessary Check ISC system Inspect plugs Check EGR system Check compression Inflate tires to proper pressure Troubleshoot brakes	IG- 12 FI-73 IG-6 EC-7 EM-15
Unpleasant odor	Incorrect idle speed Incorrect ignition timing Vacuum leaks <ul style="list-style-type: none"> • PCV hoses • EGR valve • Intake manifold • Air intake chamber • Throttle body EFI system problems	Check ISC system Reset timing Repair as necessary Repair as necessary	FI-73 IG-12