

Troubleshooting

Troubleshooting Procedures

Symptom Chart

Listed below are symptoms and probable causes for problems that DO NOT cause the Malfunction Indicator Lamp (MIL) to come on. If the MIL was reported on, check the DTC.

Troubleshoot each probable cause in the order listed (from left to right) until the symptom is eliminated.

The probable cause and troubleshooting page reference can be found below.

SYMPTOM	PROBABLE CAUSE
Engine will not start	2, 3, 21, 13, 1
Hard starting	2, 10, 12, 20, 21
Cold fast idle too low	5, 6, 7, 4
Cold fast idle too high	5, 6, 7, 9, 8
Idle speed fluctuates	5, 14, 15, 6, 7, 9, 8
Misfire or rough running	Troubleshoot for misfire on pages 11-59 , 11-60
Low power	2, 8, 9, 11, 18, 17, 19, 10
Engine stalls	2, 5, 10, 21, 7, 3, 16
Difficult to refuel	20, 22
Fuel overflows during refueling	20, 22

Other Probable Causes for an engine that will not start:

- Compression — Starting system
- PGM-FI main relay — Ignition system
- Engine locked up — Overheating
- Timing belt — Battery

Probable Cause List (For the DTC Chart, see page [11-41](#))

Probable Cause	Page	System
1	11-66	Powertrain Control Module (PCM)
2	11-132	Fuel pressure
3	(see DTC chart)	Crankshaft Position/Camshaft Position (CKP/CMP) (Crankshaft Position/Cylinder Position (CKP/CYP)) sensor circuit
4	(see DTC chart)	Intake Air Temperature (IAT) sensor circuit
5	(see DTC chart)	Idle Air Control (IAC) valve
6	11-123	Idle Air Control (IAC) thermal valve
7	11-124	Idle speed adjustment
8	11-155	Throttle body
9	11-154	Throttle cable
10	(see DTC chart)	Manifold Absolute Pressure (MAP) sensor
11	(see DTC chart)	Throttle Position (TP) sensor
12	(see DTC chart)	Barometric pressure (BARO) sensor
13	Section 14	Transmission range switch signal
14	11-116	Air conditioning signal
15	11-118	Alternator FR Signal
16	11-81	Brake pedal position switch signal
17	11-155	Air cleaner
18	11-158	Intake Manifold Runner Control (IMRC) system and intake air duct
19	(see DTC chart)	Three Way Catalytic Converter (TWC)
20	(see DTC chart)	Evaporative emission (EVAP) control
21	—	Contaminated fuel
22	11-106	Fuel tank vapor control valve