Troubleshooting

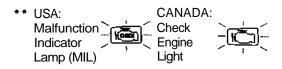
Troubleshooting Guide

NOTE: Across each row in the chart, the systems that could be sources of a symptom are ranked in the order they should be inspected starting with ①. Find the symptom in the left column, read across to the most likely source, then refer to the page listed at the top of that column. If inspection shows the system is OK, try the next most likely system ②, etc.

PAGE	SYSTEM	PGM-FI												
		ENGINE CONTROL MODULE	HEATED OXYGEN SENSOR	MANIFOLD ABSOLUTE PRESSURE SENSOR	CRANKSHAFT POSITION/ CYLINDER POSITION SENSOR	ENGINE COOLANT TEMPERA- TURE SENSOR	THROTTLE POSITION SENSOR	INTAKE AIR TEMPERA- TURE SENSOR	BAROMET- RIC PRES- SURE SENSOR	IGNITION OUTPUT SIGNAL	VARIABLE VALVE TIMING & VALVE LIFT ELECTRONIC CONTROL SOLENOII VALVE			
SYMTOM		11-42	11-48, 11-50	11-58	11-64	11-66	11-68	11-70	11-72	11-74	6-15			
MALFUNCTION INDICATOR LAMP" TURNS ON		ᆸᇯᅜᅻ		- @ -	- - -	- - - - -								
MALFUNCTION INDICATOR LAMP BLINKS			or 2	or or	80 00 00) T	10	- <u> </u>		21 or	5 1		
ENGINE WON'T START		3			3					1		ļ		
DIFFICULT TO START ENGINE WHEN COLD		80		3	3	1			3					
	WHEN COLD FAST IDLE OUT OF SPEC	₿IJ				3								
IRREGULAR IDLING	ROUGH IDLE	80)		3										
	WHEN WARM RPM TOO HIGH	80												
	WHEN WARM RPM TOO LOW	₿₿												
FREQUENT STALLING	WHILE WARMING UP	60				3								
	AFTER WARMING UP	80							3					
POOR PERFORM- ANCE	MISFIRE OR ROUGH RUNNING	80			3									
	FAILS EMISSION TEST	80	3	2										
	LOSS OF POWER	80		3			2				3			

 If codes other than those listed above are indicated, count the number of blinks again. If the Malfunction Indicator Lamp is in fact blinking these codes, substitute a known-good ECM and recheck. If the indication goes away, replace the original ECM.

(a) If the Malfunction Indicator Lamp is on while the engine is running, jump the service check connector. If no code is displayed (Malfunction Indicator Lamp stays on steady), the back-up system is in operation. Substitute a known-good ECM and recheck. If the indication goes away, replace the original ECM.





PGM-FI							IDLE CONTROL			FUEL SUPPLY				
VARIABLE VALVE TIMING & VALVE LIFT ELECTRONIC CONTROL PRES- SURE SWITCH	VEHICLE SPEED SENSOR	IGNITION TIMING ADJUSTER	KNOCK SENSOR	A/T FI SIGNAL A	A/T FI SIGNAL B	IDLE AIR CONTROL VALVE	OTHER IDLE CONTROLS	FUEL IINJECTOR	FUEL METERING	FUEL PUMP	other Fuel Supply	INTAKE AIR	EXHAUST GAS RECIRCU- LATION CONTROL SYSTEM	other Emission Cont- Rols
6-17('91-'93)	11-76	11-78	11-80	11-82	11-82	11-88	11-84	11-107	11-54,11-56	11-116	11-104	11-127	11-145	11-141
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22 or 52	<u> </u>		2] or 5]	<u>i</u>	II	1		<u>16</u>	بی دہ بھی بی دہ بھی	4 7			12	
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2						1	2	2					3	
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						3	1				2	-	3	
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3			3					3		2	1	3		3