

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									
		ECU	OXYGEN SENSOR	MANIFOLD ABSOLUTE PRESSURE SENSOR	CRANK/CYL SENSOR	COOLANT TEMPERATURE SENSOR	THROTTLE ANGLE SENSOR	INTAKE AIR TEMPERATURE SENSOR	ATMOSPHERIC PRESSURE SENSOR	IGNITION OUTPUT SIGNAL	SPOOL SOLENOID VALVE
SYMPTOM		26	30, 32, 36	40	46	48	50	52	54	56	6-15
CHECK ENGINE LIGHT TURNS ON											
CHECK ENGINE LIGHT BLINKS		8 or 9	1 or 2 41 or 42	3 or 5	4 or 54 9 or 59	6	7	10	13	15	21 or 51
ENGINE WON'T START		③			③					①	
DIFFICULT TO START ENGINE WHEN COLD		BU		③	③	①			③		
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPEC	BU				③					
	ROUGH IDLE	BU		③							
	WHEN WARM RPM TOO HIGH	BU									
	WHEN WARM RPM TOO LOW	BU									
FREQUENT STALLING	WHILE WARMING UP	BU				③					
	AFTER WARMING UP	BU							③		
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING	BU			③						
	FAILS EMISSION TEST	BU	③	②							
	LOSS OF POWER	BU		③			②				③

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

(BU) : If the Check Engine light is on while the engine is running, jump the service check connector. If no code is displayed (Check Engine light stays on steady), the back-up system is in operation.

Substitute a known-good ECU and recheck. If the indication goes away, replace the original ECU.



PGM-FI						IDLE CONTROL		FUEL SUPPLY				AIR INTAKE	EMISSION CONTROL	
VALVE TIMING OIL PRESSURE SWITCH	VEHICLE SPEED SENSOR	IGNITION TIMING ADJUSTER	KNOCK SENSOR	A/T FI SIGNAL A	A/T FI SIGNAL B	ELEC-TRONIC AIR CONTROL VALVE	OTHER IDLE CONTROLS	FUEL INJECTOR	FUEL METERING	FUEL PUMP	OTHER FUEL SUPPLY		EGR CONTROL SYSTEM	OTHER EMISSION CONTROLS
6-17	58	60	62	64	64	70	66	89	38	99	86	110	128	124
22 or 52	17	18	23 or 53	30	31	14		16	43 or 44 45 or 46	47			12	
								2			3			
										2				
						1	2							
2						1	2	2					3	
						1	2							
						1	2	2						
						1	2				3			
						3	1				2		3	
						3		1					3	
								2	3		3			1
3			3					3		2	1	3		3