

# Symptom-to-System Chart

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								
		ELEC-TRONIC CONTROL UNIT	OXYGEN SENSOR (KG, KX, KQ)	MIXTURE COMPENSATION RESISTANCE (Except KG, KX, KQ)	MANIFOLD ABSOLUTE PRESSURE SENSOR	CRANK/ CYL SENSOR	COOLANT TEMPERA TURE SENSOR	THROTTLE ANGLE SENSOR	TDC SENSOR	INTAKE AIR TEMPERA TURE SENSOR
SYMPTOM		25, 26	28	30	32, 34	36, 38	40	42	44	48
CHECK ENGINE WARNING LIGHT TURNS ON		 or 								
SELF-DIAGNOSIS INDICATOR (RED LED) BLINKS		① or 	① or ②	②	③ or ⑤	④ or ⑧	⑥	⑦	⑨	⑩
ENGINE WON'T START		②								
DIFFICULT TO START ENGINE WHEN COLD		BU					①		③	
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFIC	BU					②	③		③
	ROUGH IDLE	BU	③	③	②	③		③		③
	WHEN WARM RPM TOO HIGH	BU			③					
	WHEN WARM PRM TOO LOW	BU			③					
FREQUENT STALLING	WHILE WARMING UP	BU			②	③	③	③		
	AFTER WARMING UP	BU			②	③		②		
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING	BU	③	③	②	③		③		
	FAILS EMISSION TEST	BU	②	②	①	③	③			
	LOSS OF POWER	BU			③	③	③			

\* CODE 16 or exceeds 18: 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: When the Check engine warning light and the self-diagnosis indicator are on, the back-up system is in operation. Substitute a known-good ECU and recheck. If the indication goes away, replace the original ECU.

NOTE: If there is abnormal air intake noise, check the resonator control system (page 6-105).



PGM-FI					IDLE CONTROL		FUEL SUPPLY	AIR INTAKE	EMISSION CONTROL	
IMA SENSOR (Except KG, KX, KQ)	ATMO-SPHERIC PRESSURE SENSOR	IGNITION OUTPUT SIGNAL	VEHICLE SPEED PULSER	IGNITION TIMING ADJUSTER	ELECTRONIC AIR CONTROL VALVE	OTHER IDLE CONTROLS			EGR CONTROL SYSTEM (Except KQ)	OTHER EMISSION CONTROLS
50	52	54	56	58	62	60	76	88	103	98
		③			②		①			
						③				
	③					①				
③					①				③	③
	③				①	②		③		③
					①	③		②		
					①	③	③	②	③	
					②		③	③	①	
③		③					①		③	
②									②	②
	③		③				①	③	③	②