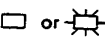
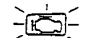







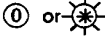






# Symptom-to-System Chart

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							
			ECU	OXYGEN SENSOR *1	MANIFOLD ABSOLUTE PRESSURE SENSOR	TDC/CRANK SENSOR	COOLANT TEMPERATURE SENSOR	THROTTLE ANGLE SENSOR	CYL SENSOR	INTAKE AIR TEMPERA- TURE SENSOR
SYMPTOM			139	142	144, 148	152	156	158	160	162
PGM-FI WARNING LIGHT TURNS ON		 or 								
SELF-DIAGNOSIS INDICATOR (LED) BLINKS		① or 	 or ②	③ or 	 or ④	⑥	⑦	⑨		
ENGINE WON'T START		③								
DIFFICULT TO START ENGINE WHEN COLD		(BU)				①				
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFIC	(BU)				②	③	③	③	
	ROUGH IDLE	(BU)	③	②			③		③	
	WHEN WARM RPM TOO HIGH	(BU)								
	WHEN WARM RPM TOO LOW	(BU)								
FREQUENT STALLING	WHILE WARMING UP	(BU)		②		③	③			
	AFTER WARMING UP	(BU)		②			②			
POOR PERFORM- ANCE	MISFIRE OR ROUGH RUNNING	(BU)	③	②			③	③		
	FAILS EMISSION TEST	(BU)	②	①						
	LOSS OF POWER	(BU)		③						

\* CODE 16, or exceeds 17: 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 PGM-FI 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.

\*1: KX, KS, KZ, KQ    \*2: Except KX, KS, KZ, KQ    \*3: KX, KS, KZ



PGM-FI				IDLE CONTROL		FUEL SUPPLY	AIR INTAKE	EMISSION CONTROL	
IMA SENSOR *2	ATMO- SPHERIC PRESSURE SENSOR	IGNITION OUTPUT SIGNAL	VEHICLE SPEED SENSOR	ELEC- TRONIC AIR CONTROL VALVE	OTHER IDLE CONTROLS			EGR *3 CONTROL SYSTEM	OTHER EMISSION CONTROLS
164	166	168	170	176	175	188	198	209	207
		②				①			
				②	③	③			
	③				①				
③	③			①		③		③	③
					①		②		③
				①	③		②		
				①	③	③	②	③	
				②		③		①	
			③			①			
								②	②
						①	③	③	②