











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.

SYSTEM PAGE SYMPTOM		PGM-FI							
		ECU	OXYGEN SENSOR	MANIFOLD ABSOLUTE PRESSURE SENSOR	TDC/ CRANK SENSOR	COOLANT TEMPERA- TURE SENSOR	THROTTLE ANGLE SENSOR	CYL SENSOR	INTAKE AIR TEMPERA- TURE SENSOR
		117	120,122,124	126,130	132	136	138	140	142
CHECK ENGINE WARNING LIGHT TURNS ON		 or 							
SELF-DIAGNOSIS INDICATOR (LED) BLINKS		① or * 	① or ④ or ⑬	③ or ⑤	④ or ⑧	⑥	⑦	⑨	⑩
ENGINE WON'T START		③			③			③	
DIFFICULT TO START ENGINE WHEN COLD		BU		③	③	①		③	
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFIC	BU				③			
	ROUGH IDLE	BU		③					
	WHEN WARM IDLE SPEED TOO HIGH	BU				③			
	WHEN WARM IDLE SPEED TOO LOW	BU							
FREQUENT STALLING	WHILE WARMING UP	BU				③			
	AFTER WARMING UP	BU							
POOR PERFOR- MANCE	MISFIRE OR ROUGH RUNNING	BU			③			③	
	FAILS EMISSION TEST	BU	③	②					
	LOSS OF POWER	BU		③			②		

- 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: 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.



PGM-FI			IDLE CONTROL		FUEL SUPPLY		AIR INTAKE	EMISSION CONTROL	
ATMO-SPHERIC PRESSURE SENSOR	IGNITION OUTPUT SIGNAL	VEHICLE SPEED SENSOR	ELECTRONIC AIR CONTROL VALVE	OTHER IDLE CONTROLS	FUEL INJECTOR	OTHER FUEL SUPPLY		EGR CONTROL SYSTEM	OTHER EMISSION CONTROLS
144	146	148	155	150	168	167	172	179	178
									
⑬	⑮	⑰	⑭		⑯			⑫	
	①				②	③			
③				②					
			①	②					
			①		②			③	
			①	②					
			①		②				
			①	②		③			
③			③	①		②		③	
			③		①			③	
					②	③			①
					③	①	③		③