

Troubleshooting

Troubleshooting Guide [With CATA]

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	TDC/CRANK SENSOR **	CYL SENSOR **	TDC/CRANK/CYL SENSOR *	COOLANT TEMPERATURE SENSOR	THROTTLE ANGLE SENSOR
	SYMPTOM	21	24	26	32	46	36	42	44
	CHECK ENGINE WARNING LIGHT TURNS ON	□ or 							
	SELF-DIAGNOSIS INDICATOR (LED) BLINKS	① or *	①	③ or ⑤	④ or ⑧	⑨	④ or ⑧ or ⑨	⑥	⑦
	ENGINE WON'T START	②							
	DIFFICULT TO START ENGINE WHEN COLD	(BU)						①	
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPEC	(BU)						②	
	ROUGH IDLE	(BU)		②					
	WHEN WARM IDLE SPEED TOO HIGH	(BU)							
	WHEN WARM IDLE SPEED 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)		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.

* : SOHC, ** : DOHC



PGM-FI				IDLE CONTROL		FUEL SUPPLY		AIR INTAKE	EMISSION CONTROL
INTAKE AIR TEMPERATURE SENSOR	ATMOSPHERIC PRESSURE SENSOR	IGNITION OUTPUT SIGNAL	VEHICLE SPEED SENSOR	ELECTRONIC AIR CONTROL VALVE	OTHER IDLE CONTROLS	FUEL INJECTOR	OTHER FUEL SUPPLY		
48	52	54	56	61	59	72	70	82	89
⑩	⑬	⑮	⑰	⑭		⑯			
		③				②	①		
					②				
				①	②				
				③	①				
				②	①				
				①	②				
				①	②		③		
				①	②		③		
						②	①	。	
							①		
						③	①		

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PAGE	SYSTEM	PGM-FI							
		ECU	MANIFOLD ABSOLUTE PRESSURE SENSOR	TDC/CRANK SENSOR **	CYL SENSOR **	TDC/CRANK/CYL SENSOR *	COOLANT TEMPERATURE SENSOR	THROTTLE ANGLE SENSOR	INTAKE AIR TEMPERATURE SENSOR
SYMPTOM		21	26	32	46	36	42	44	48
	CHECK ENGINE WARNING LIGHT TURNS ON	□ or 							
	SELF-DIAGNOSIS INDICATOR (LED) BLINKS	① or *	③ or ⑤	④ or ⑧	⑨	④ or ⑧ or ⑨	⑥	⑦	⑩
	ENGINE WON'T START	②							
	DIFFICULT TO START ENGINE WHEN COLD	BU	③				①		
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPEC	BU					②		
	ROUGH IDLE	BU	③						
	WHEN WARM IDLE SPEED TOO HIGH	BU							
	WHEN WARM IDLE SPEED TOO LOW	BU							
FREQUENT STALLING	WHILE WARMING UP	BU	③						
	AFTER WARMING UP	BU	③						
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING	BU	②						
	FAILS EMISSION TEST	BU	②						
	LOSS OF POWER	BU	③					②	

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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.

* : SOHC, ** : DOHC



PGM-FI				IDLE CONTROL		FUEL SUPPLY	AIR INTAKE	EMISSION CONTROL
IMA SENSOR	ATMO-SPHERIC PRESSURE SENSOR	IGNITION OUTPUT SIGNAL	VEHICLE SPEED SENSOR	ELEC-TRONIC AIR CONTROL VALVE	OTHER IDLE CONTROLS			
50	52	54	56	61	59	70	82	89
								
								
		②				①		
					②			
				①	②			
				③	①			
				②	①			
				①	②			
				①	②			
				①	②	③		
						①		
						①		
						①		