

TROUBLESHOOTING

Use the below to help you find the cause of the problem.

The numbers indicate the priority of the likely cause of the problem. Check each part in order.

If necessary, replace these parts.

See page		IG-5	IG-5	EG1-216 to 218	EG1-135	EG1-135	EG1-135 153 or 171	EG1-133 151 or 169	EG1-133 151 or 169	EG1-136 154 or 172	-	-	-	EG1-182	EG1-191	EG1-197	EG1-192	EG1-188	-	
Suspect area		RPM Signal Circuit	Ignition Circuit	Heated Oxygen Sensor Circuit	Engine Coolant Temp. Sensor Circuit	Air Intake Temp. Sensor Circuit	Volume Air Flow Meter Circuit	Throttle Position Sensor Circuit	STA Signal Circuit	Knock Sensor Circuit	PNP Signal Circuit	A/C Signal Circuit	Fuel Pump	Fuel Pressure Regulator	Fuel Lines	Injectors	Cold Start System	Auxiliary Air valve		
Symptom																				
Does not start	Engine does not crank																			
	Starter runs - engine does not crank																			
	No initial combustion	12	2										6					13	8	
	No complete combustion				4		1							3		9	10	2		
Difficult to start	Engine cranks slowly											2								
	Under normal conditions	12	13		4	14							7	6	8	16	17	3		
	Cold engine				1	6			2				8	7	9	10	5	4		
	Hot engine				1	5							8	7	9	10	6	3		
Poor idling	Incorrect first idle				3															4
	High engine idle speed				4	6		7			9	8					10	11	5	
	Low engine idle speed				1		4										5			2
	Rough idling		18		2		12						7	6	8	16	17	9		
	Misfire		4		6		8										9	10		
Poor drivability	Hesitation Poor Acceleration			12	10	11	9	8					14	13	15	18	19			
	Back fire			6	3	7	5	4					9	8	10	11				
	Muffler explosion (after fire)			8	3	7	5	6					4			9	10			
	Surging												1			4				
	Knocking									1										
Engine stall	Engine stall soon after starting				8		7						3	2	4	9	10	6		
	After accelerator pedal depressed						1	3					5	6	7					
	After accelerator pedal released						3												1	
	During A/C operation											1								2
	When N to D shift										1									2
Other symptoms	Poor fuel economy			21	16	22	18	17			19	20					14	15		
	Engine overheat									9										
	Engine overcool																			
	Excessive oil consumption																			
	Low oil pressure																			
	High oil pressure																			
	Starter keeps running																			
	Battery often discharges																			

HINT: When inspecting a wire harness or circuit, the electrical wiring diagrams at the end of this repair manual should be referred to and the circuits of related systems also should be checked.

—	EG1-202	EG1-203	CL Sec.	EG1-13	MA-14	EG1-40	EG1-40	EG1-231	EG1-23	EG1-244	EG1-53	EG1-56	EG1-21	EG1-59	—	EG1-235	EG1-233	CH-8	BE Sec.	BE Sec.	CH-9	EG1-57
Cooling Fan System	Dash Pot	Throttle Opener	Clutch	Compression	Valve Clearance	Valve Timing	Timing Belt	Water Pump	Valve Stem Guide Bushing	Oil Pump	Connecting Rod Bearing	Crankshaft Bearing	Cylinder Head	Piston Ring	Flywheel or Drive Plate	Radiator and Radiator cap	Thermostat	Drive Belt	Engine Coolant Temp. Sensor Gauge	Oil Pressure Switch	Generator	Cylinder Block
															2							
				9		10	11															
				5		7	8							6								
				9		11					3	4		10								
	2	3																				
	2																					
				10	13	14	15						20	11								
				7																		
			1	7	16	17																
						2																
						2																
7					5			9								6	8					
	4		5	11		13								12								
2						7	5	6			10		11			3	4		13			12
1																2			3			
				3					2				5	4								6
										2	3	4								5		
										1										2		
																		1			2	