

TROUBLESHOOTING

When the malfunction code is not confirmed in the diagnostic trouble code check and the problem still cannot be confirmed in the basic inspection, then proceed to this step and perform troubleshooting to the numbers in the order given in the table below.

See page		IG-5	IG-5	EG1-212	EG1-131.1 49 or 167	EG1-129 147 or 165	EG1-129 147 or 165	EG1-127 145 or 163	EG1-132 150 or 168	—	—	—	EG1-177	EG1-186	EG1-192	EG1-187	EG1-183 or 208	—
Suspect area		RPM Signal Circuit	Ignition Circuit	Main Oxygen Sensor Circuit	Engine Coolant Temp. Sensor Circuit	Intake Air Temp. Sensor Circuit	Volume Air Flow Meter Circuit	Throttle Position Sensor Circuit	STA Signal Circuit	Knock Sensor Circuit	PNP Switch Signal Circuit	A/C Signal Circuit	Fuel Pump	Fuel Pressure Regulator	Fuel Lines	Injectors	Cold Start System	Idle Air Control Valve
Symptom																		
Does not start	Engine does not crank																	
	Starter runs – engine does not crank																	
	No initial combustion	12	2				5						6				13	8
	No complete combustion				4		1							3		9	10	2
Difficult to start	Engine cranks slowly											2						
	Under normal condition	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			12	10	11	9	8					14	13	15	18	19	
	Poor acceleration			6	3	7	5	4					9	8	10	11		
	Back fire			8	3	7	5	6					4		9	10		
	Muffler explosion (after fire)												1		4			
	Serging									1								
Engine stall	Knocking																	
	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
Others	When N to D shift										1							2
	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 repair manual should be referred to and the circuits of related systems also should be checked.

		See page	Suspect area	Symptom	EG1-198	EG1-199	CL section	EG1-14	MA-11	EG1-39	EG1-39	EG1-226	EG1-23	EG1-238	EG1-51	EG1-54	EG1-21	EG1-58	-	EG1-229
		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			
Does not start	Engine does not crank																			
	Starter runs – engine does not crank																2			
	No initial combustion				9		10	11												
	No complete combustion				5		7	8								6				
Difficult to start	Engine cranks slowly											3	4							
	Under normal condition				9		11								10					
	Cold engine																			
	Hot engine																			
Poor idling	Incorrect first idle	2	3																	
	High engine idle speed	2																		
	Low engine idle speed																			
	Rough idling				10	13	14	15						20	11					
	Misfire				7															
Poor drivability	Hesitation			1	7	16	17													
	Poor acceleration																			
	Back fire						2													
	Muffler explosion (after fire)						2													
	Knocking						5		9											6
Engine stall	Soon after starting																			
	After accelerator pedal depressed																			
	After accelerator pedal released																			
	During A/C operation																			
	When N to D shift																			
Others	Poor fuel economy	4		5	11		13										12			
	Engine overheat						7	5	6		10			11						3
	Engine overcool																			
	Excessive oil consumption				3						2				5	4				
	Low oil pressure											2	3	4						
	High oil pressure											1								
	Starter keeps running																			
Battery often discharges																				

