

TROUBLESHOOTING

Use the table 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	EG-315	EG-243	EG-242	EG-240	EG-238	EG-242	-	-	-	EG-252	EG-263	EG-277	EG-266	EG-307
Suspect area		RPM Signal Circuit	Ignition Circuit	Heated Oxygen Sensor Circuit	ECT Sensor Circuit	Intake Air Temp. Sensor Circuit	Volume Air Flow Circuit	Throttle Position Sensor Circuit	STA Signal Circuit	Knock Sensor Circuit	PNP Switch Circuit	A/C Signal Circuit	Fuel Pump	Fuel Pressure Regulator	Fuel Lines	Injectors	Fuel Pressure Control VSV Circuit
Symptom																	
Does not start	Engine does not crank																
	Starter runs – engine does not crank																
	No initial combustion	12	2				5						6				
	No complete combustion				5		2							4		10	
Difficult to start	Engine cranks slowly											2					
	Under normal condition	13	14		5	15							8	7	9	17	
	Cold engine				1	6			2				8	7	9	10	
	Hot engine				1	6							8	7	9	10	5
Poor idling	Incorrect first idle				2												
	High engine idle speed				2	4		5			7	6				8	
	Low engine idle speed				1		4									5	
	Rough idling		18		3		13						8	7	9	17	
	Misfire		5		7		9									10	
Poor drivability	Hesitation			12	10	11	9	8					14	13	15	18	
	Poor acceleration																
	Backfire			7	4	8	6	5					10	9	11	12	
	Muffler explosion (after fire)			8	3	7	5	6						4		9	
	Surging													2		5	
Engine stall	Knocking									1							
	Soon after starting				9		8						4	3	5	10	
	After accelerator pedal depressed						1	3						5	6	7	
	After accelerator pedal released						3										
	During AM operation											1					
Others	When N to D shift										1						
	Poor fuel economy			19	14	20	16	15			17	18				12	13
	Engine overheat									9							
	Engine overcool																
	Excessive oil consumption																
	Low oil pressure																
	High oil pressure																
	Starter keeps running																
	Battery often discharges																

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See page		EG-87	EG-332	EG-53	E G-357	EG-122	EG-125	E G-51	EG-134	-	E G-337	EG-354	CH-5	BE-53	BE-51	CH-1	EG-130
Suspect area		Timing Chain	Water Pump	Valve Stem Guide Bushing	Oil Pump	Connecting Rod Bearing	Crankshaft gearing	Cylinder Head	Piston Ring	Drive Plate	Radiator and Radiator Cap	Thermostat	Drive Belt	ECT Sender Gauge	Oil Pressure Switch	Generator	Cylinder Block
Does not start	Engine does not crank																
	Starter runs – engine does not crank									2							
	No initial combustion	11															
	No complete combustion	9							7								
Difficult to start	Engine cranks slowly					3	4										
	Under normal condition								11								
	Cold engine																
	Hot engine																
Poor idling	Incorrect first idle																
	High engine idle speed																
	Low engine idle speed																
	Rough idling	16						20	12								
	Misfire																
Poor drivability	Hesitation Poor acceleration																
	Backfire																
	Muffler explosion (after fire)																
	Surging																
	Knocking		9								6	8					
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								10								
	Engine overheat	5	6		10			11			3	4		13			12
	Engine overcool											2		3			
	Excessive oil consumption			2				5	4								6
	Low oil pressure				2	3	4								5		
	High oil pressure				1										2		
	Starter keeps running																
	Battery often discharges												1			2	