

# TROUBLESHOOTING

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

		See page	Suspect area										Symptom					
		IG-16	IG-16	EG2-199	EG2-192	EG2-190	EG2-190	EG2-188	EG2-193	-	EG2-193	-	EG2-202	EG2-212	EG2-160	EG2-220	EG2-247	-
		RPM Signal Circuit	Ignition Circuit	Heated 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 Signal Circuit	A/C Signal Circuit	Fuel Pump	Fuel Pressure Regulator	Fuel Lines	injectors	Cold Start System	Idle Speed Control Valve
Does not start	Engine does not crank																	
	Starter runs - engine does not crank																	
	No initial combustion	12	2				5						6				13	8
Difficult to start	(Vv complete combustion)				4		1							3		9	10	2
	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
Poor idling	Hot engine				1	5							8	7	9	10	6	3
	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
Poor drivability	Misfire		4		6		8									9	10	
	Hesitation			12	10	11	9	8					14	13	15	18	19	
	Poor acceleration																	
	Back fire			6	3	7	5	4					9	8	10	11		
	Muffler explosion			8	3	7	5	6						4		9	10	
	rafter fire													1		4		
Engine stall	Surging																	
	Knocking								1									
	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
Others	During A/C operation										1							2
	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 discharge																		



		EG2-46	EG2-38	EG2-268	EG2-65	EG2-280	EG2-99	EG2-102	EG2-64	EG2-110	-	EG2-269	EG2-268	CH-2	BE-36	BE-37	CH-5	EG2-106	
		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	Dive Belt	Engine Coolant Temp. Sender Gauge	Oil Pressure Switch	Generator	Cylinder Block	
See page																			
Suspect area																			
Symptom																			
Does not start	Engine does not crank																		
	Starter runs - engine does not crank										2								
	No initial combustion	10	11																
	No complete combustion	7	8							6									
Difficult to start	Engine cranks slowly						3	4											
	Under normal conditions	11								10									
	Cold engine																		
	Hot engine																		
Poor idling	incorrect first idle																		
	High engine idle speed																		
	Low engine idle speed																		
	Rough idling	14	15						20	11									
	Misfire																		
Poor drivability	Hesitation	17																	
	Poor acceleration																		
	Back fire	2																	
	Muffler explosion (after fire)	2																	
	Surging																		
Engine stall	Knocking	5		9									6	8					
	Engine stall soon after starting																		
	After accelerator pedal depressed																		
	After accelerator pedal released																		
	During A/C operation																		
Others	When N to D shift																		
	Poor fuel economy	13								12									
	Engine overheat	7	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 discharge													1				2		