

TROUBLESHOOTING

You will find the source of the trouble more easily by correctly using the table shown below. In this table, each number shows the order of priority of the causes of the trouble. Check each part in the order shown. If necessary, replace the part.

		See page		Suspect area														
		IG-24	IG-24	EG2-232 EG2-249	EG2-227 EG2-243	EG2-228 EG2-242	EG2-232 EG2-249	EG2-224 EG2-238	EG2-222 EG2-238	EG2-228 EG2-244	-	-	-	EG2-250	EG2-267	EG2-201	EG2-271	EG2-307
Symptom		RPM Signal Circuit	Ignition Circuit	Main Oxygen Sensor Circuit	ECTS Circuit	Intake Air Temp. Sensor Circuit	Sub-Oxygen Sensor Circuit	MAP Circuit	Throttle Position Sensor Circuit	STA Signal Circuit	Knock Sensor Circuit	PNS Signal Circuit	A/C Signal Circuit	Fuel Pump	Fuel Pressure Regulator	Fuel Lines	Injectors	Fuel Pressure Control VSV Circuit
Dose 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					
	Difficult to start normally	13	14		5	15								8	7	9	17	
	Difficult to start in cold				1	6				2				8	7	9	10	
	Difficult to start in hot				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 Poor acceleration			13	11	12		10	9					15	14	16	19	
	Backfire			7	4	8		6	5					10	9	11	12	
	Muffler explosion (after fire)			8	3	7		5	6						4		9	
	Surging														2		5	
	Knocking										1							
Others	Engine stall soon after starting				9			8						4	3	5	10	
	After acceleration pedal depressed							1	3						5	6	7	
	After acceleration pedal released							3										
	During A/C operation												1					
	When N to D shift											1						
Others	Poor fuel economy			20	15	21	22	17	16				18	19			13	14
	Engine overheat										9							
	Engine overcool																	
	Excessive oil consumption																	
	Low oil pressure																	
	High oil pressure																	
	Starter keeps running																	
	Battery often discharge																	

HINT; When inspecting a wire harness or circuit, the electrical wiring diagrams at the end of volume 2 of repair manual should be referred to and the circuits of related systems also should be checked.

		See page																
		Suspect area																
		Symptom																
		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 and Sender Gauge	Oil Pressure Switch	Alternator	Cylinder Block
		EG2-42	EG2-37	EG2-345	EG2-67	EG2-398	EG2-117	EG2-120	EG2-66	EG2-128	-	EG2-357	EG2-354	CH-6	EG2-338	BE-1	CH-10	EG2-124
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Others	Poor fuel economy	12								11								
	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	