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 nesessary, replace the part.

	See page	IG–4	IG–4	EG1–310 EG1–403	EG1–303	EG1–302	EG1–300	EG1–298	EG1–304	–	–	EG1–312 EG1–382	EG1–335	EG1–355	EG1–340	EG1–329	EG1–369	EG1–374
	Suspect area	RPM Signal Circuit	Ignition Circuit	Oxygen Sensor Circuit	ECTS Circuit	Intake Air Temp. Sensor Circuit	Air Flow Sensor Circuit	Throttle Position Sensor Circuit	STA Signal Circuit	Knock Sensor Circuit	A/C Signal Circuit	Fuel Pump and Relay	Fuel Pressure Regulator	Fuel Lines	Injectors	Cold Start Injector System	IACV	MPI Main Relay
Dose not Start	Engine does not crank																	
	Starter runs – engine does not crank																	
	No initial combusion	13	3				6					7				14	9	4
	No complete combusion				5		2						4		10	11	3	
Difficult to start	Engine cranks slowly										2							
	Difficult to start normally	13	14		5	15						8	7	9	18	19	4	
	Difficult to start in clod				1	7			2			9	8	10	11	6	5	
	Difficult to start in hot				1	5						8	7	9	10	6	4	
Poor idling	Incorrect first idle				2												3	
	High engine idle speed				2	4		5			6				7	8	3	
	Low engine idle speed				1		4								5		2	
	Rough idling		20		3		14					9	8	10	18	19	11	
	Misfire		5		8		10								11	12		
Poor drivability	Hesitation Poor acceleration			14	12	13	11	10				16	15	17	20	21		
	Backfire			7	4	8	6	5				10	9	11	12			
	Muffler explosion (after fire)			8	3	7	5	6					4		9	10		
	Surging												2		6			
	Knocking									1								
Engine stall	Engine stall soon after starting				9		8					4	3	5	10	11	7	
	After acceleration pedal depressed						1	3					5	6	7			
	After acceleration pedal released						3										1	
	During A/C operation										1						2	
Others	Poor fuel economy			20	16	21	18	17			19				14	15		
	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.

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	See page	EG1–62	EG1–48	EG1–437	EG1–94	EG1–485	EG1–149	EG1–152	EG1–93	EG1–161	–	EG1–433	EG1–431	CH–6	EG1–417	BE–1	CH–10	EG1–156
	Suspect area	Valve Timing	Timing Belt	Water Pump	Valve Stem Guide Bushing	Oil Pump	Connecting Rod Bearing	Crankshaft Bearing	Cylinder Head	Piston Ring	Flywheel	Radiator and Radiator Cap	Thermostat	Drive Belt	Engine Coolant and Sender Gauge	Oil Pressure Switch	Alternator	Cylinder Block
Symptom																		
Dose not start	Engine does not crank																	
	Starter runs – engine does not crank										2							
	No initial combusion	11	12															
	No complete combusion	8	9							7								
Difficult to start	Engine cranks slowly						3	4										
	Difficult to start normally	12								11								
	Difficult to start in clod																	
	Difficult to start in hot																	
Poor idling	Incorrect first idle																	
	High engine idle speed																	
	Low engine idle speed																	
	Rough idling	16	17						22	13								
	Misfire																	
Poor drivability	Hesitation Poor acceleration	19																
	Backfire	3																
	Muffler explosion (after fire)	2																
	Surging																	
	Knocking	5		9								6	8					
Engine stall	Engine stall soon after starting																	
	After acceleration pedal depressed																	
	After acceleration pedal released																	
	During A/C operation																	
Others	Poor fuel economy	13								12								
	Engine overheat	7	5	6		10			11			3	4		13			12
	Engine overcool												2		3			
	Excessive oil consumption				3				6	5								7
	Low oil pressure					2	3	4								5		
	High oil pressure					1										2		
	Starter keeps running																	
	Battery often discharge													1			2	

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Circuit Opening Relay	Fuel Cut System	Theft Deterrent Control Modele	PCME	Fuel Quality	Fuel Leakage	Coolant Leakage	Oil Leakage	Vacuum Leakage	Starter Relay.	Clutch Start SW	Starter	Spark Plug	Distributor	Ignition Coil	EG R System	Turbocharger	Accelerator Pedal Link	Brakes Drag Even When Released	Cooling Fan System	Clutch	Compression	Valve Clearance
EG1–376	EG1–411	BE–1	EG1–406	–	–	–	–	–	ST–25	CL–1	ST–5	IG–8	IG–11	IG–11	EG1–243	EG1–196	–	–	EG1–441	CL–1	EG1–32	EG1–16
		4							1	3	2											
											1											
5			15	8									1	2							10	
			12					1													6	
											1											
			20	2				1				3	16	17	6						10	
			12	4				3														
			11	3				2														
			4														1					
			9														1					
			6												3							
			21	2				1				5	6	7	4						12	15
			13	2				1				4	6	7	3						9	
			22	4				1				6	7	8	5	23		3		2	9	18
			13					1							2							
	1		11																			
			7					1				3	4	5								
			10	2								3			4				7			
			12	2				1							6							
			8									4			2							
			4												2							
			3																			
	7		22	2	1							8	9	10	6		3	5		4	11	
						1						8							2			
																			1			
							1									2					4	
							1															
								1		2												

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