

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		EG2-17	1G-17	EG2-199	EG2-246	EG2-190	EG2-190	EG2-188	EG2-193	I	EG2-193	I	EG2-203	EG2-211	EG2-229	EG2-218	EG2-208	I
Suspect area		RPM Signal Circuit	Ignition Circuit	Heated Oxygen Sensor Circuit	ECT 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
	No combustion				4		1							3		9	10	2
Difficult to start	Engine cranks slowly											2						
	Engine cranks normally	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	Hesitant acceleration			12	10	11	9	8					14	13	15	18	19	
	Backfire			6	3	7	5	4					9	8	10	11		
	Muffler explosion (after fire)			8	3	7	5	6						4		9	10	
	Surging												1			4		
	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
	During A/C operation											1						2
	When shifting N to D										1							2
Others	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 this repair manual should be referred to and the circuits of related systems also should be checked.

See page		EG2-243	EG2-244	EG2-256	EG2-211	EG2-253	-	-	-	-	ST-15	PL Sec.	ST-4	IG-21	IG-25	EG2-148	-	-
Suspect area		EFI Main Relay	Circuit Opening Relay	Fuel Cut System	Fuel Pressure Control System	Engine Control Module	Fuel Quality	Fuel Leakage	Engine Coolant Leakage	Oil Leakage	Starter Relay	PNP SW or Clutch Start SW	Starter	Spark Plug	Distributor	EGR System	Accelerator Pedal Link	Brakes Drag Even When Released
Does not start	Engine does not crank										1	3	2					
	Starter runs – engine does not crank												1					
	No combustion	3	4			14	7								1			
	No complete combustion					11												
Difficult to start	Engine cranks slowly												1					
	Engine cranks normally					18	1							2	15	5		
	Cold engine					11	3											
	Hot engine				4	11	2											
Poor idling	Incorrect first idle					5											1	
	High engine idle speed					12											1	
	Low engine idle speed					6										1		
	Rough idling					19	1							4	5	3		
	Misfire					11	1							3	5	2		
Poor drivability	Hesitant acceleration					20	3							5	6	4		2
	Backfire					12										1		
	Muffler explosion (after fire)			1		11												
	Surging					5								2	3			
	Knocking					10	2							3		4		
Engine stall	Soon after starting					11	1									5		
	After accelerator pedal depressed					8								4		2		
	After accelerator pedal released					4										2		
	During A/C operation					3												
	When shifting N to D					3												
Others	Poor fuel economy			8			2	1						9	10	7	3	6
	Engine overheat								1					1				
	Engine overcool																	
	Excessive oil consumption									1								
	Low oil pressure									1								
	High oil pressure																	
	Starter keeps running .										1		2					
	Battery often discharges																	

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