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	IG-24	IG-24	EG2-232 EG2-249	EG2-227 EG2-243	EG2-226 EG2-242	EG2-232 EG2-249	EG2-224 EG2-238	EG2-222 EG2-238	EG2-228 EG2-244	1	t	ı	EG2-250	EG2-267	EG2-201	EG2-271	EG2-307
	Suspect area	gnal	Circuit			Intake Air Temp. Sensor Circuit			Ľ		Sensor	gnal	nal	dw	essure or	səı	S	Fuel Pressure Control VSV Circuit
	Symptom	RPM Signal Circuit	Ignition Circuit	Main Oxygen Sensor Circuit	ECTS Circuit	Intake A Sensor	Sub-Oxygen Sensor Circuit	MAP Circuit	Throttle Positic Sensor Circuit	STA Signal Circuit	Knock Sensor Circuit	PNS Signal Circuit	A/C Signal Circuit	Fuel Pump	Fuel Pressure Regulator	Fuel Lines	Injectors	Fuel Pres Control V
	Engine does not crank																	
Dose not start	Starter runs – engine does not crank																	
Sos	No initial combusion	12	2					5						6				
	No complete combustion				5			2							4		10	
	Engine cranks slowly												2					
芳志	Difficult to start normally	13	14		5	15								8	7	9	17	
Difficult to start	Difficult to start in cold				1	6				2				8	7	9	10	
	Difficult to start in hot				1	6								8	7	9	10	5
	Incorrect first idle				2	<u></u>	ļ											
0	High engine idle speed				2	4			5			7	6				8	
iji	Low engine idle speed				1			4									5	
Poor idling	Rough idling		18		3	<u> </u>		13						8	7	9	17	
Po	Misfire		5		7			9							<u> </u>		10	
	Hesitation Poor acceleration			13	11	12		10	9					15	14	16	19	
lity	Backfire			7	4	8		6	5					10	9	11	12	
Poor drivability	Muffler explosion (after fire)			8	3	7		5	6						4		9	
ō	Surging														2		5	
9	Knocking										1							
	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			<u> </u>		_			<u> </u>				1					
	When N to D shift										<u> </u>	1		<u> </u>				
	Poor fuel economy	_		20	15	21	22	17	16	L _		18	19	ļ	<u> </u>		13	14
	Engine overheat		<u> </u>	ļ		ļ			ļ		9			ļ	ļ	<u> </u>		ļ
	Engine overcool		<u> </u>	ļ		<u> </u>			<u></u>	ļ		ļ	ļ	<u> </u>			ļ	
Others	Excessive oil consumption Low oil pressure		-											_				
₹	High oil pressure			Γ														
	Starter keeps running															T		
	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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7	-		\vdash	\dagger	+	+-	+	†-	-	-			+	╂	 	╁		+	10	-	-	Ļ	-	-	-	-	<u>س</u>	<u> </u>	-	_	<u></u>	EG2-297
	4		-	+	+	+	+	-	_	ļ	ļ	-	-	_	<u> </u>	ļ			_		L		_	_				ω			MPI Main Relay	EG2-302
_	-		_	┼-	+	<u> </u>	-	<u> </u>	-		-	ļ	_	_		L				<u> </u>					L			4			Circuit Opening Relay	EG2-304
	-		-	-	-	-	7	_			ļ	ļ	-	_					L	_											Fuel Cut System	EG2-331
	\dashv		_	-	-	 	-	-			ļ		_					L	_		_									4	Theft Deterrent Control Module	BE-1
-	-		-		_	-	23	ω	ω	4	00	=======================================	0	6	0	13	20	=	19	6	9	4	=	=	18			<u>3</u>			PC M E (PCME & T)	EG2-326
-	4			-	_	-	2					2	2	_			4	2	2				ω	4	2			7			Fuel Quality	-
4	4			-	-	-	-						ļ	_				<u> </u>	_			_									Fuel Leakage	-
+	4				\vdash	-	_				-	-							_						_						Coolant Leakage	-
+	\dashv		_	_	<u> </u>	-	-						<u> </u>																		Vacuum Leakage	-
+	\dashv	4			-	_	_		_				-	1		-	_	-	<u> </u>				2	ω			_				Oil Leakage	_
+	-	-			_	_	_		-				ļ																	_	Starter Relay	ST-25
+	+	_			_	_			-																		_			w	PNS or Clutch Start SW	AX-1 CL-1
1	3 -	_			_	_			-					_												_				2	Starter	ST-5
+	+	-			_	∞	8		_		4		ω	ω			6	4	5	_					ယ						Spark Plug	IG-28
- -	+	\dashv	-				9	-	4					4			7	6	6					-	16			_			Distributor with Ignition Coil	IG-30
	+	-					6	_		2	2	o	4			2	σ ₁	ω	4	ω					6						EG R System	EG2-17
+	+	4					3		4			·		_		_				_	-	1		_							Accelerator Pedal Link	-
-	+	-	-				51	_	4					_		_	ω			_			_								Brakes Drag Even when Released	_
+	+	-	_	_	_	2		4	\downarrow			_	7	_		_				_			\downarrow								Cooling Fan System	EG2-367
+	+	+	_		_		4	-	_	_				1		_	2			_											Clutch	CL-1
+	+	+	\dashv	ω		_	0	-	-	_				_		\downarrow	8	∞	3	\downarrow					0	\perp	6	9			1	EG2-26
\perp																	17		4												Valve Clearance	EG2-15

	See page	EG2-42	EG2-37	EG2-345	EG2-67	EG2-399	EG2-117	EG2-120	EG2-66	EG2-129	ı	EG2-357	EG2-354	9-HO	EG2-338	BE-1	CH-10	EG2-124
	Suspect area	Valve Timing	Timing Belt	dwn	Valve Stem Guide Bushing	ф	Connecting Rod Bearing	naft	r Head	Ring	el or ate	r and r Cap	stat	əlt	Engine Coolant and Sender Gauge	sure	or	r Block
	<u> </u>			Water Pump	Valve S Guide E	Oil Pump	Connec	Crankshaft Bearing	Cylinder Head	Piston Ring	Flywheel or Drive Plate	Radiator and Radiator Cap	Thermostat	Drive Belt	Engine C Sender G	Oil Pressure Switch	Alternat	Cylinder Block
1	Engine does not crank																	
Dose not start	Starter runs – engine does not crank										2							
Dose	No initial combusion	10	11															
	No complete combusion	8	9							7								i
	Engine cranks slowly						3	4										
를 #	Difficult to start normally	12								11								
Difficult to start	Difficult to start in cold																	
	Difficult to start in hot																	
	Incorrect first idle																-	
	High engine idle speed																	
J ğ	Low engine idle speed																	
Poor idling	Rough idling	15	16						20	12								
l &	Misfire																	
	Hesitation Poor acceleration	18																
<u>i</u>	Backfire	3																
Poor divability	Muffler explosion (after fire	2																
00,	Surging																	
1 "	Knocking	5		9								6	8				1	
	Engine stall soon after starting																	
stall	After acceleration pedal depressed																	
a a	After acceleration pedal released																	
Engine	During A/C operation											L						
	When N to D shift																	
	Poor fuel economy	12								11								
}	Engine overheat	7	5	6		10			11			3	4		13			12
1	Engine overcool												2		3			
	Excessive oil consumption				2				5	4								6
ers	Low oil pressure				<u> </u>	2	3	4								5		
Others	High oil pressure					1										2		
	Starter keeps running					-												
	Battery often discharge													1			2	