GENERAL

SPECIFICATIONS ESMB0010

Hood	
Type	Rear hinged, front opening type, gas lifter type
Front door	
Construction	Front hinged, full door construction
Regulator system	Wire drum type
Locking system	Pin-fork system
Rear door	
Construction	Front hinged, full door construction
Regulator system	Wire drum type
Locking system	Pin-fork system
Tailgate	
Type	Inner hinged, gas lifter type
Glass thickness mm (in)	
Windshield glass	5 (0.20)
Front door glass	3.2 (0.13)
Rear door glass	3.2 (0.13)
Rear fixed glass	3.2 (0.13)
Tailgate glass	3.2 (0.13)
Seat belt	E.L.R (Emergency Locking Retractor)

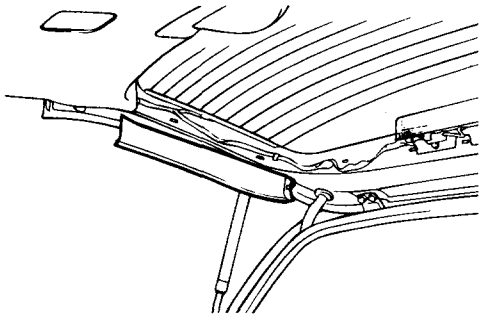
TIGHTENING TORQUE ESMB0050

	Nm	kg·cm	lb·ft
Front and rear doors			
Door hinge to body	21-33	210-330	15.5-24.3
Door hinge to door	17-26	170-260	12.5-19.2
Tailgate			
Tailgate hinge to body	11-16	110-160	8.1-11.8
Tailgate hinge to tailgate	11-16	110-160	8.1-11.8
Gas lifter to body	11-16	110-160	8.1-11.8
Gas lifter to tailgate	11-16	110-160	8.1-11.8
Hood			
Hood hinge to body	9-14	90-140	6.6-10.3
Hood hinge to hood	9-14	90-140	6.6-10.3
Hood latch to body	7-11	70-110	5.2-8.1
Gas lifter mounting bolts	7-11	70-110	5.2-8.1
Seat belt			
Front seat belt upper anchor	35-55	350-550	25.8-40.6
Front seat belt retractor	35-55	350-550	25.8-40.6
Height adjuster	35-55	350-550	25.8-40.6
Second and third seat belt upper anchor	35-55	350-550	25.8-40.6
Second and third seat belt lower anchor	35-55	350-550	25.8-40.6
Second and third seat belt retractor	35-55	350-550	25.8-40.6
Seat			
Front seat mounting bolts	35-55	350-550	25.8-40.6
Rear seat mounting bolts	35-55	350-550	25.8-40.6

TAILGATE

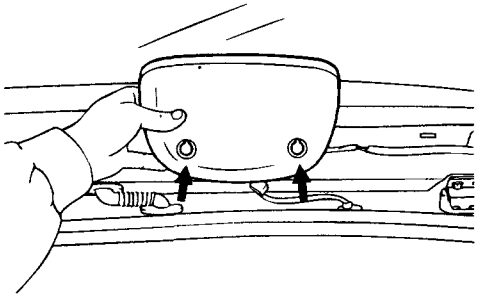
REMOVAL AND INSTALLATION ESMB0200

1. Remove the side trim from the tailgate frame.



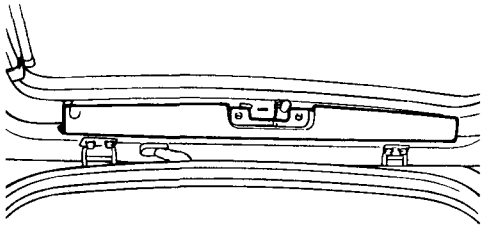
ESHA010B

2. Remove the high mounted stop lamp after removing the mounting bolts (2EA).



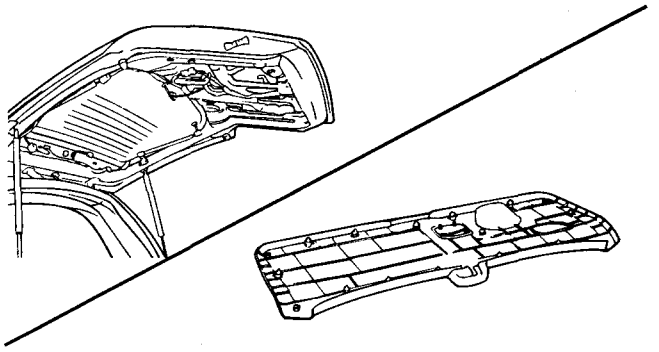
ESJA040N

3. Remove the upper trim from the tailgate frame.



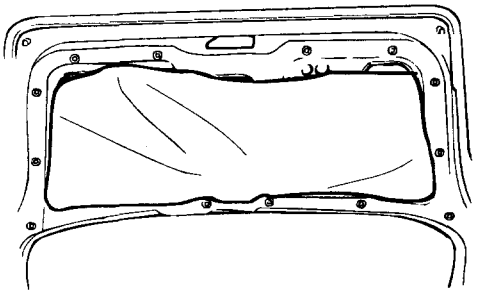
ESJA040A

4. Remove the tapping screw and the trim grip and then the tailgate trim panel.



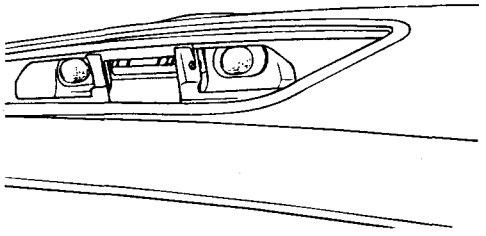
ESJA100D

5. Remove the tailgate trim seal.



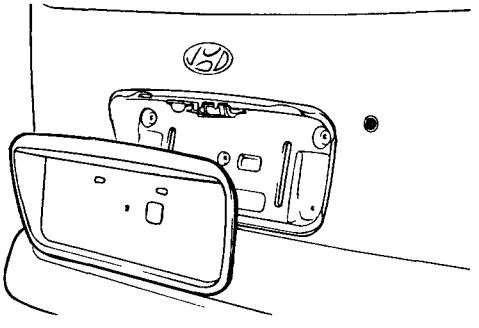
KSMB004A

6. Remove the license lamp.



KSMB004B

7. Remove the back panel molding after removing the mounting nuts (5EA).

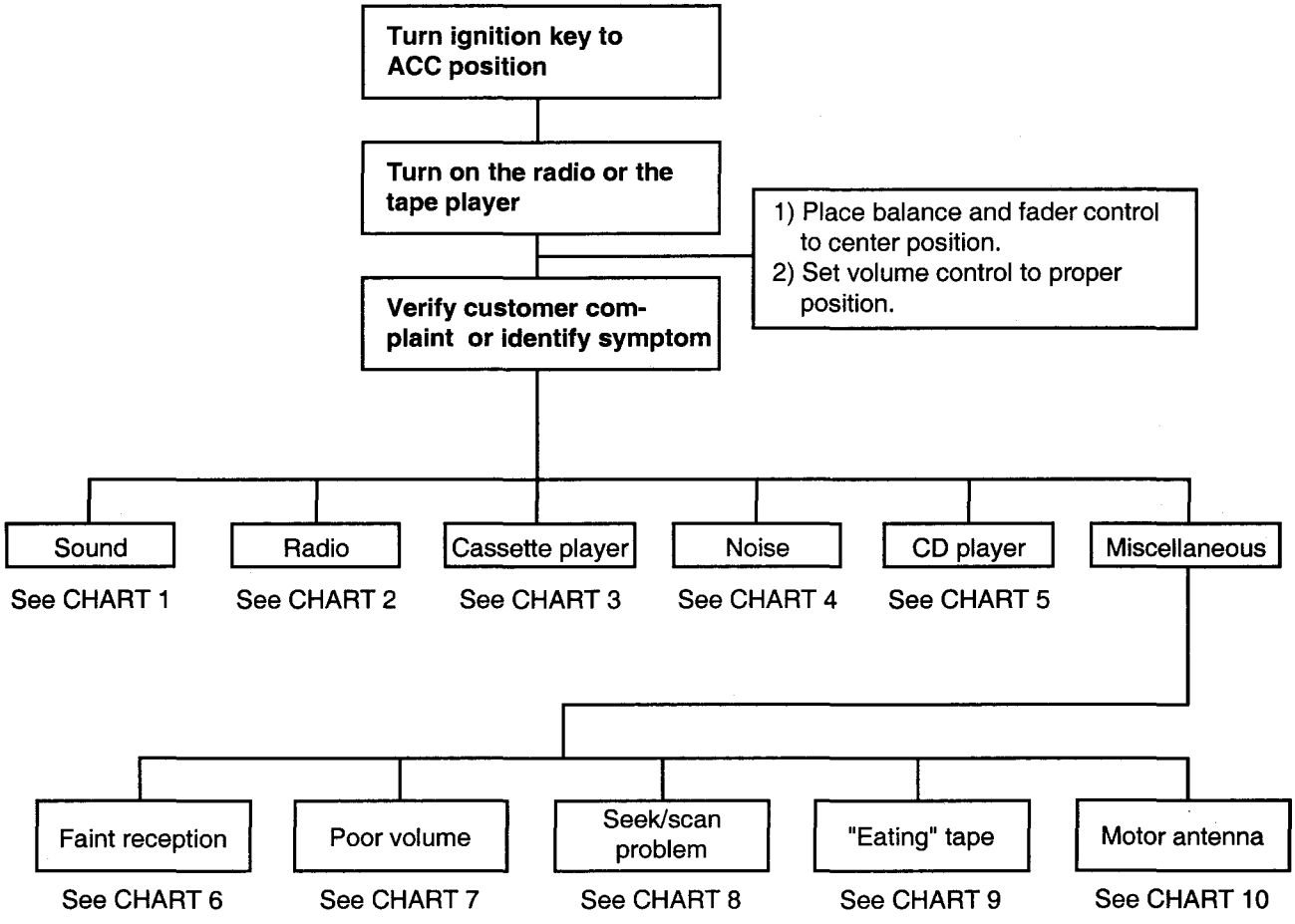


KSMB004C

8. Remove the tailgate outside handle after removing the mounting nuts (2EA), and then disconnect the rod.

AUDIO

There are six areas where a problem can occur: wiring harness, the radio, the cassette tape deck, the CD player, the speaker, and antenna. Troubleshooting enables you to confine the problem to a particular area.



ETJA315A

THE L.C.R VALVE CONSISTS OF EJMB0090

1. Load sensing part : sensing spring, Lever
2. Linkage part : Connecting link, Operating lever, Bell crank
3. Pressure control part : Machine body, Piston, Valve seal
4. By-pass part : By-pass piston, O-ring

INSTALLATION EJMB0100

When the L.C.R valve is set, the adjustment procedure is unnecessary.

1. When the fuel tank is full, position the vehicle on a level surface. Don't load things or people in the vehicle.

2. Set the valve body to the vehicle with the hole of the mounting bracket.

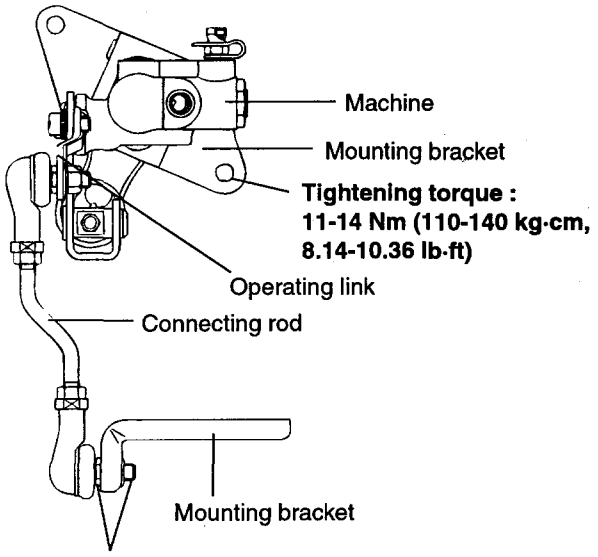
Tightening torque
11 - 14 Nm (110 - 140 kg·cm, 8.14 - 10.36 lb·ft)

3. Tighten the bolt of the connecting rod end in the valve mounting bracket.

Tightening torque
11 - 14 Nm (110 - 140 kg·cm, 8.14 - 10.36 lb·ft)

4. When the machine body and the bolt of the connecting rod are fixed, tighten the flange bolt in the bell crank so that the connecting rod and operating lever can't move.

Tightening torque
19 - 23 Nm (190 - 230 kg·cm, 14.06 - 17.02 lb·ft)

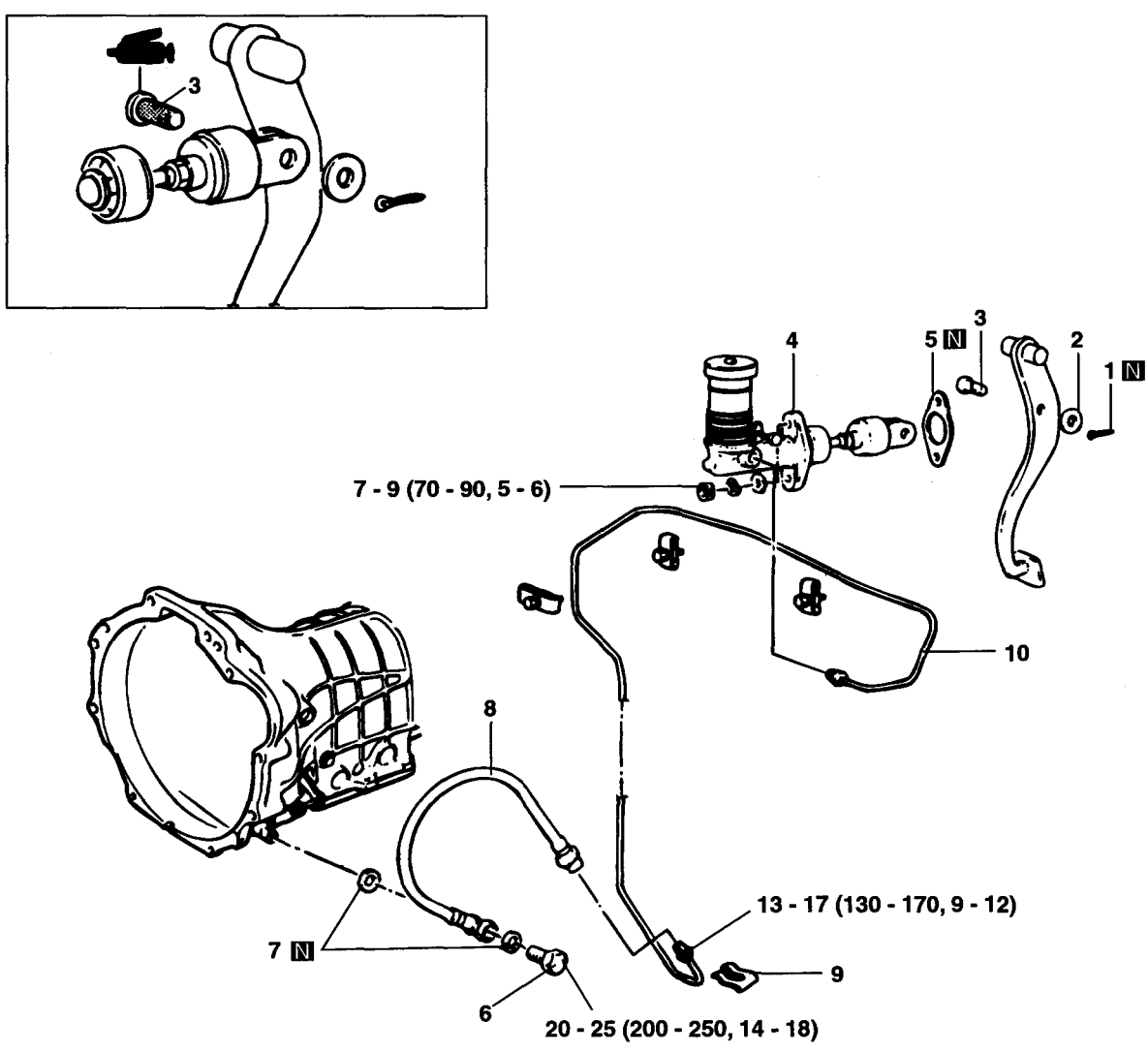


Tightening torque :
11-14 Nm (110-140 kg·cm, 8.14-10.36 lb·ft)

EHPBR02A

CLUTCH MASTER CYLINDER

COMPONENTS EOMB0130



[Removal procedure]

1. Cotter pin
2. Washer
3. Clevis pin
4. Clutch master cylinder
5. Sealer
6. Eye bolt
7. Gasket
8. Clutch hose
9. Hose clip
10. Clutch tube

TORQUE : N·m (kg·cm, lb·ft)

EOMB013A

TROUBLE SYMPTOM 7

Trouble symptom	Probable cause	Remedy
CC system can be set while driving at a vehicle speed of less than 40km/h (25mph), or there is no automatic cancellation at that speed	Malfunction of the vehicle-speed sensor circuit	Repair the vehicle speed sensor system, or replace the part
	Malfunction of the speedometer cable or the speedometer drive gear	
	Malfunction of the actuator and unit	Replace the actuator and unit

TROUBLE SYMPTOM 8

Trouble symptom	Probable cause	Remedy
The cruise main switch indicator lamp does not illuminate (But CC system is normal)	Damaged or disconnected bulb of cruise main switch indicator lamp	Repair the harness or replace the part.
	Harness damaged or disconnected	

TROUBLE SYMPTOM 9

Trouble symptom	Probable cause	Remedy
Malfunction of control function by ON/OFF switching of idle switch	Malfunction of circuit related to idle switch function	Repair the harness or replace the part
	Malfunction of the actuator and unit	

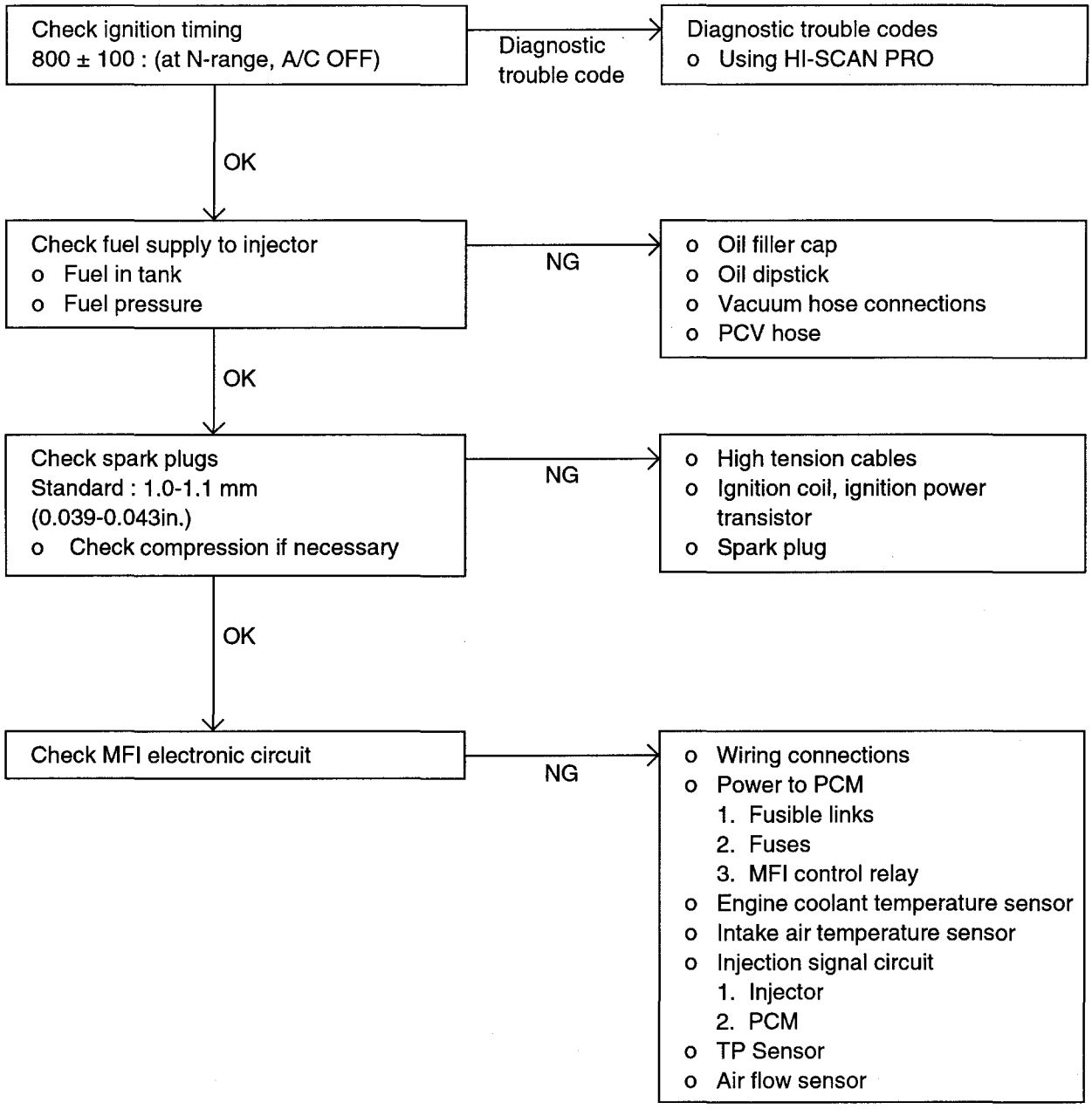
TROUBLE SYMPTOM 10

Trouble symptom	Probable cause	Remedy
Overdrive is not canceled during fixed speed driving	Malfunction of circuit related to overdrive cancelation, or malfunction of actuator and unit	Repair the harness or replace the part
No shift to overdrive during manual driving		

TROUBLESHOOTING GUIDE CHART EFDA0070

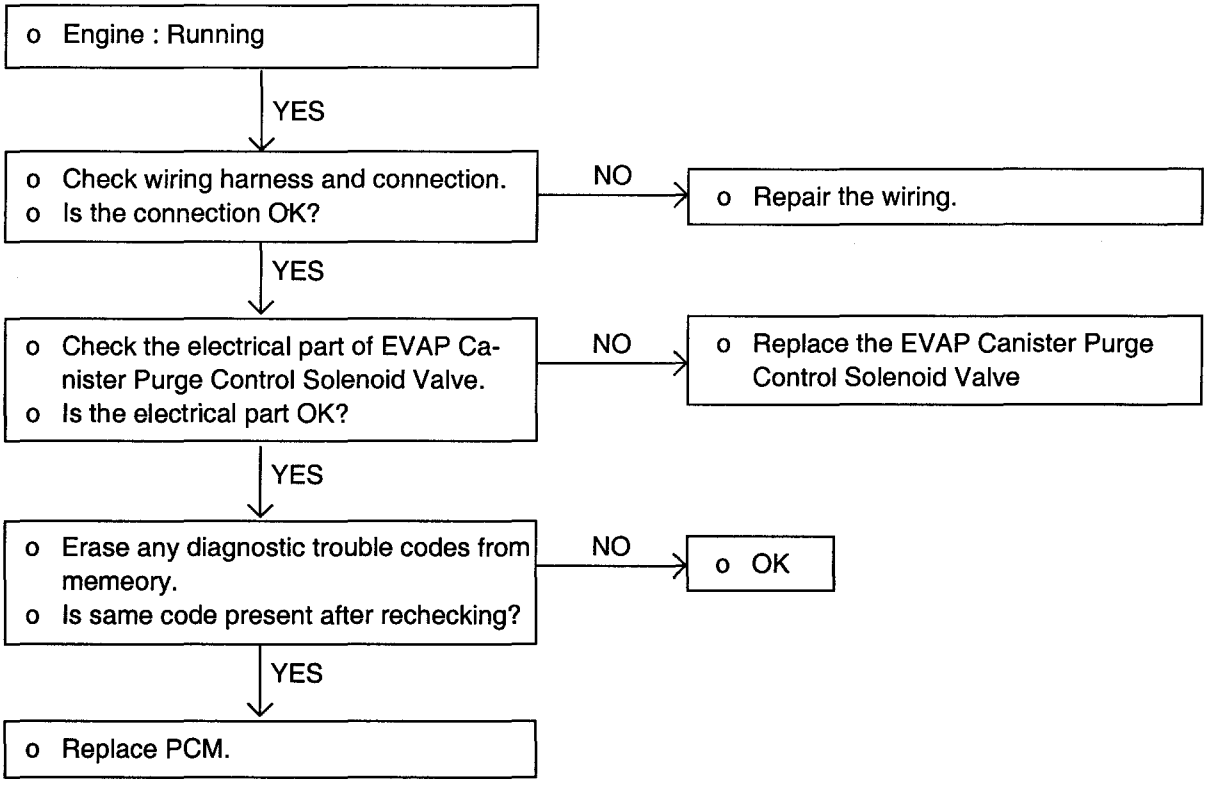
Main Symptoms / Sub-Symptoms / Check points	STARTING							Poor Idling					Poor Driving	
	Unable to start			Difficult to start										
	Engine does not turn over	Starter runs but engine does not turn over	Incomplete combustion	Engine turns over	Always	When the engine is cold	When the engine is hot	Incorrect fast idle	High idle speed	Low idle speed	Rough idling	Engine hesitates or accelerates poorly	Surging	Knocking
Starter relay	1													
Starter	2	2		1										
Park/Neutral SW [A/T] or Clutch start SW [M/T]	3													
Flywheel [M/T] or Drive plate [A/T]		4												
Mass air flow sensor circuit			3							3	10	7		
Idle speed control actuator			4		3	3	3	3	3	2	7			2
Fuel pressure regulator			5		5	5	5				4	11	1	
ECT sensor circuit			6		4	1	1	2	2	1	2	8	6	
Compression			7		8						8	5		
Piston rings			8		9						9			
Ignition timing					10						11	14		
Timing mark			9								12			
Injectors			10		13	8	8		7	4	13	15	4	
PCM			11		14	9	9	4	8	5	14	16	5	
A/C circuit				2					6					
Connecting rod bearing				3										
Crankshaft bearing				4										
Fuel quality					1	2	2				1	3	3	
Spark plugs					2						3	4	2	
Fuel pump					6	6	6				5	12		
Fuel lines					7	7	7				6	13		
Ignition circuit			2		11									3
Intake air temp. sensor circuit					12	4	4		4			9		1
Accelerator pedal link								1	1					
TP Sensor circuit									5			6		
Cylinder head											15			
Clutch [M/T]												1		
Brakes not releasing properly												2		
Oxygen sensor circuit												10		
Crankshaft position sensor		3												
Battery voltage		1	1											

EFDA007A


Check ignition timing
800 ± 100 : (at N-range, A/C OFF)
Diagnostic trouble code
Diagnostic trouble codes
o Using HI-SCAN PRO
OK
Check fuel supply to injector
o Fuel in tank
o Fuel pressure
NG
o Oil filler cap
o Oil dipstick
o Vacuum hose connections
o PCV hose
OK
Check spark plugs
Standard : 1.0-1.1 mm
(0.039-0.043in.)
o Check compression if necessary
NG
o High tension cables
o Ignition coil, ignition power transistor
o Spark plug
OK
Check MFI electronic circuit
NG
o Wiring connections
o Power to PCM
1. Fusible links
2. Fuses
3. MFI control relay
o Engine coolant temperature sensor
o Intake air temperature sensor
o Injection signal circuit
1. Injector
2. PCM
o TP Sensor
o Air flow sensor

EFMB011B

TROUBLESHOOTING PROCEDURES

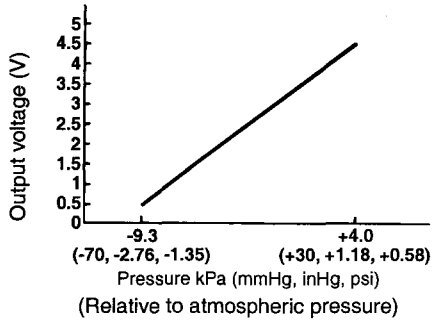


DTC : Diagnosis Trouble Code
PCM : Powertrain Control Module

EFAA731B

USING HI-SCAN (PRO)

Check Item	Check conditions	HI-SCAN display	Type
Evaporative emission canister purge solenoid valve • Actuator test	IG. S/W ON (Do not start)	PCSV	Activate



EFJB731E

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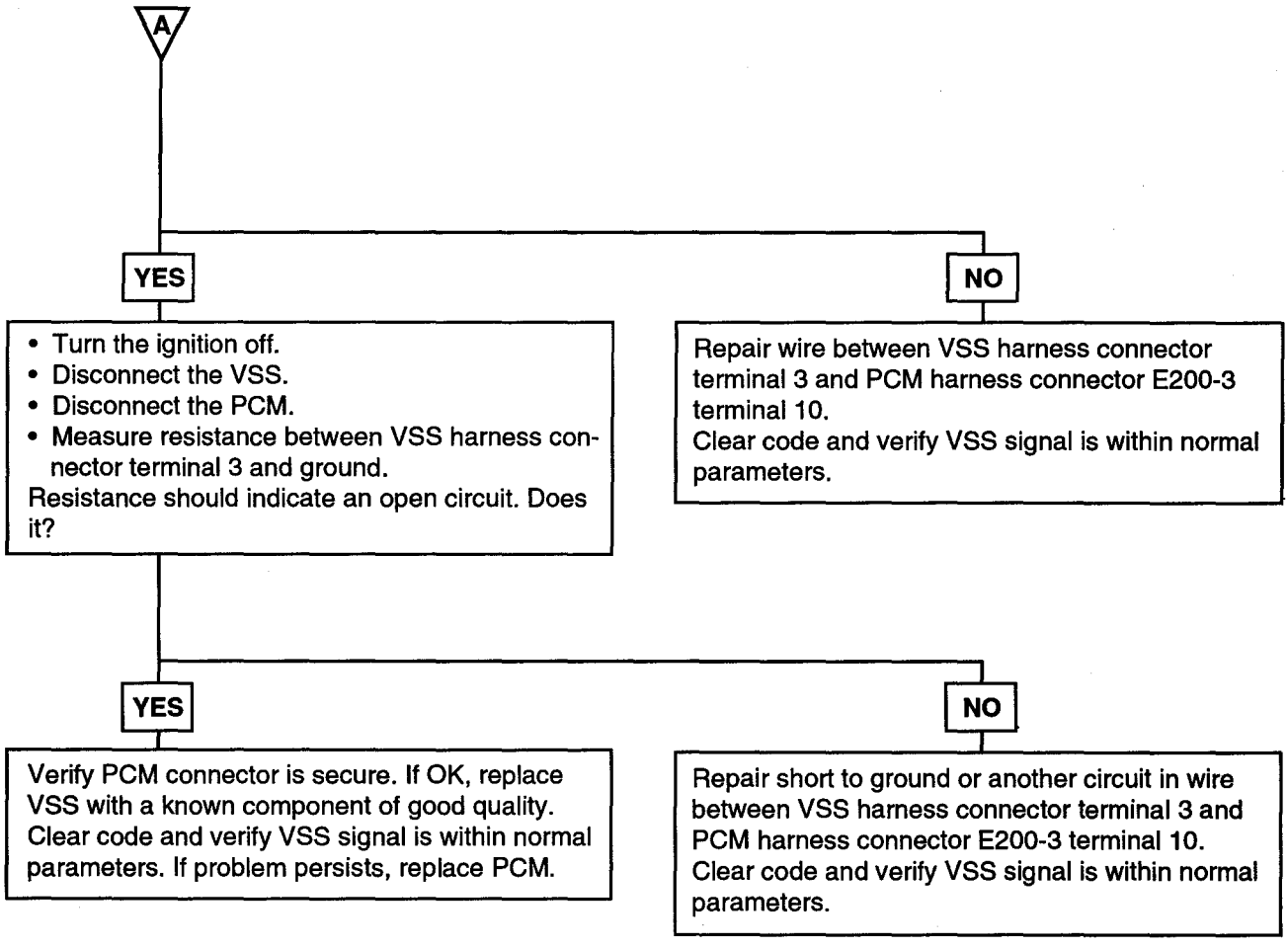
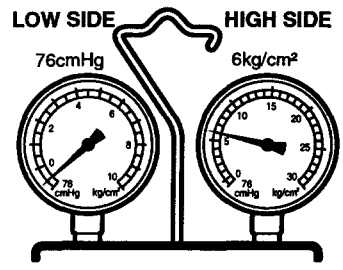
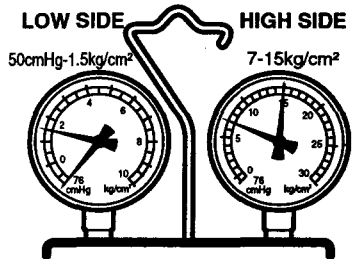
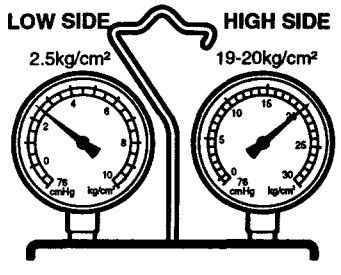
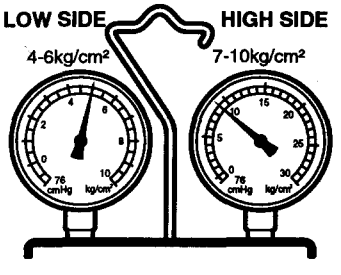
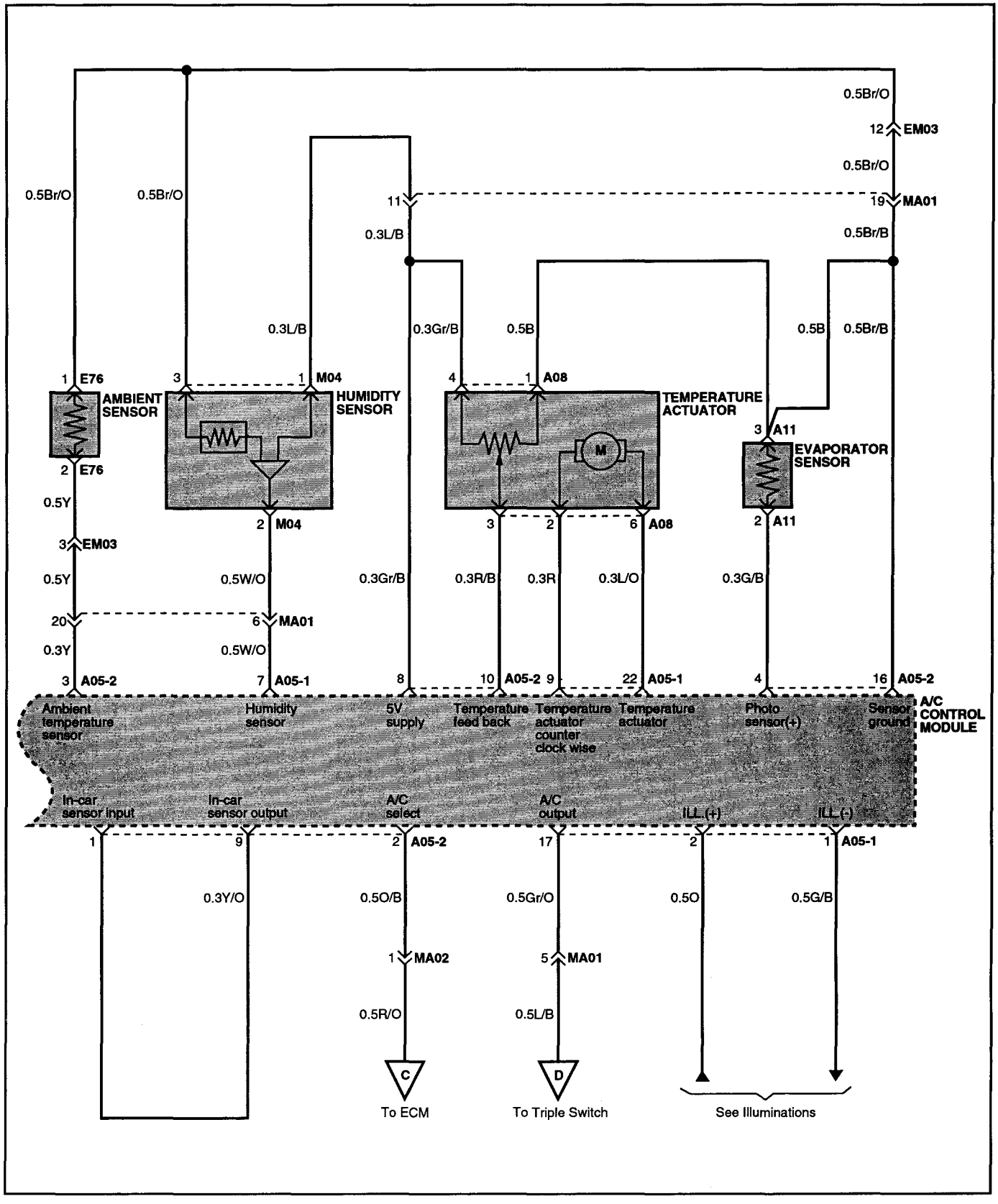


MP0500C

SYMPTOMS	PROBABLE CAUSES	REMEDY	MANIFOLD GAUGE READINGS
1. Low pressure side indicates negative pressure and high pressure side indicates low pressure. 2. Front or dew on pipes connected with receiver or expansion valve.	• Dust or moisture frozen at expansion valve. • Gas leak.	• Repair the receiver drier and replace the expansion valve. • Replace the expansion valve if the receiver-drier is faulty.	 KFWD005A
1. Low pressure side pressure sometimes goes to negative pressure or normal.	• Intaken moisture is frozen at expansion valve hole.	• Repair and bleed receiver drier	 KFWD006A
1. Low pressure and high pressure are high. 2. Much frost or dew on the low pressure side piping.	• Expansion valve failure. Receiver-drier faulty. • Flow control faulty.	• Repair receiver drier. • Check oil contamination.	 KFWD007A
1. Low pressure side pressure is high and pressure side pressure is low.	• Leak inside compressor.	• Replace compressor.	 KFWD008A

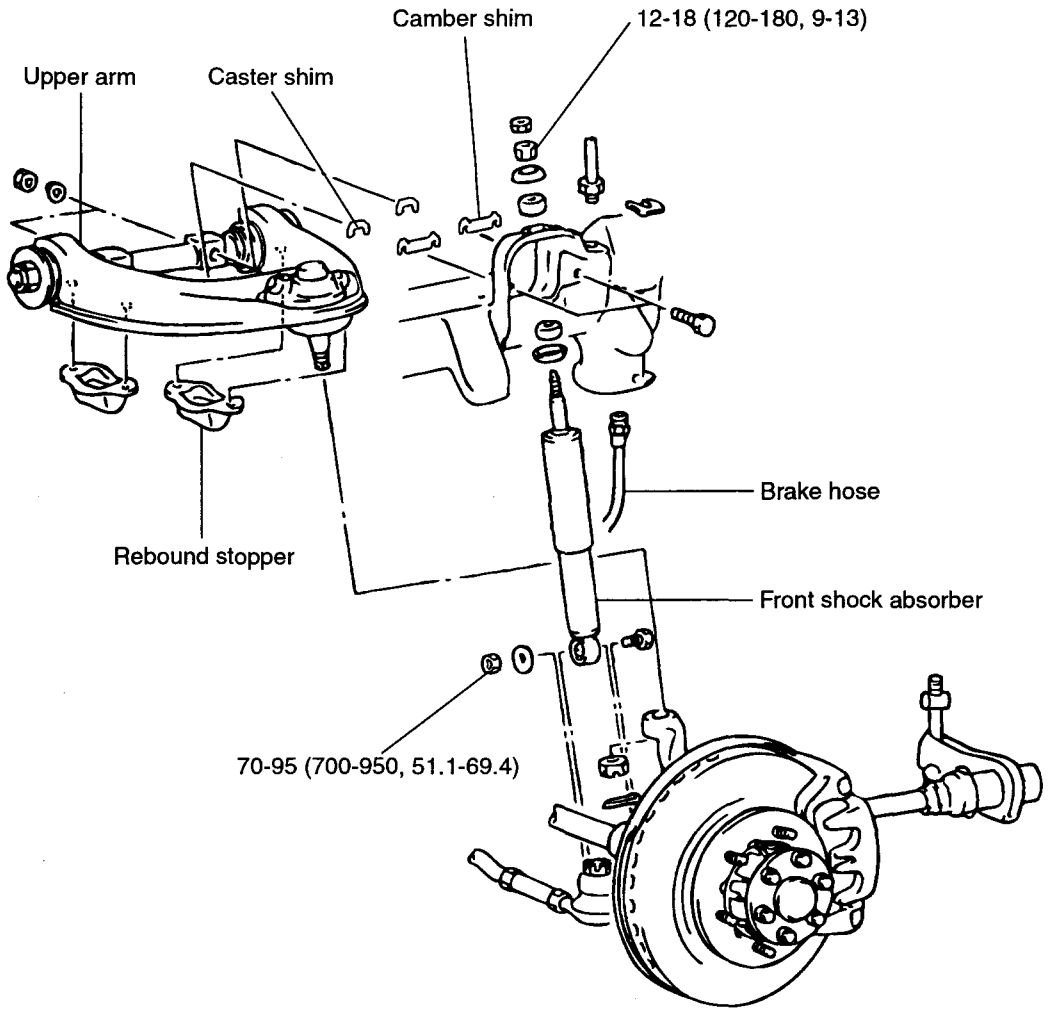
BLOWER AND A/C CONTROLS (FULL AUTO) (3)



EQMB062C

FRONT SHOCK ABSORBER

COMPONENTS EHMB2300



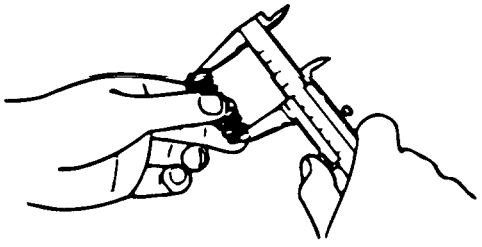
TORQUE : Nm (kg·cm, lb·ft)

EHMB230A

INSPECTION EPMB2200

1. Check the free length of the flow control spring.

Free length of the flow control spring : 36.5 mm

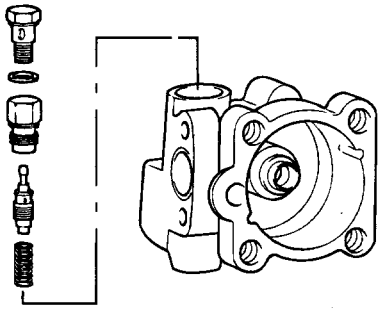


KPKA068A

2. Check that the flow control valve is not bent.
3. Check the shaft for wear and damage.
4. Check the V-belt for wear and deterioration.
5. Check the grooves of the rotor and vanes for stratified abrasion.
6. Check the contact surface of the cam ring and vanes for stratified abrasion.
7. Check vanes for damage.
8. Check that there is no striped wear in the side plate or contacting part between the shaft and the pump cover surface.

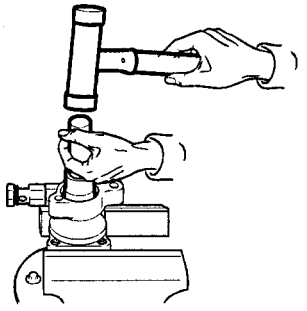
REASSEMBLY EPMB2300

1. Install the flow control spring the flow control valve and the connector in to the pump body.



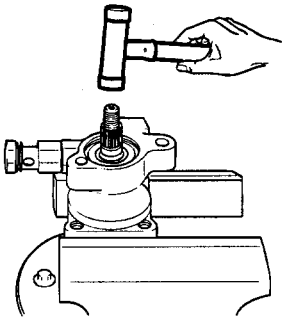
KPKA060A

2. Install the oil seal in the pump body by using the special tool.



KPKA061A

3. After inserting the shaft assembly into the pump body, install the dust spacer and snap ring.



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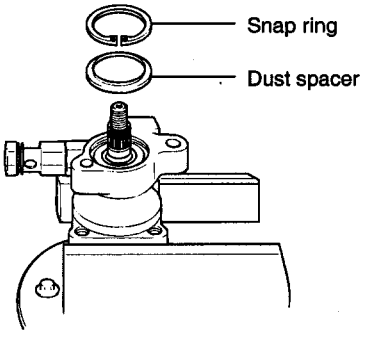
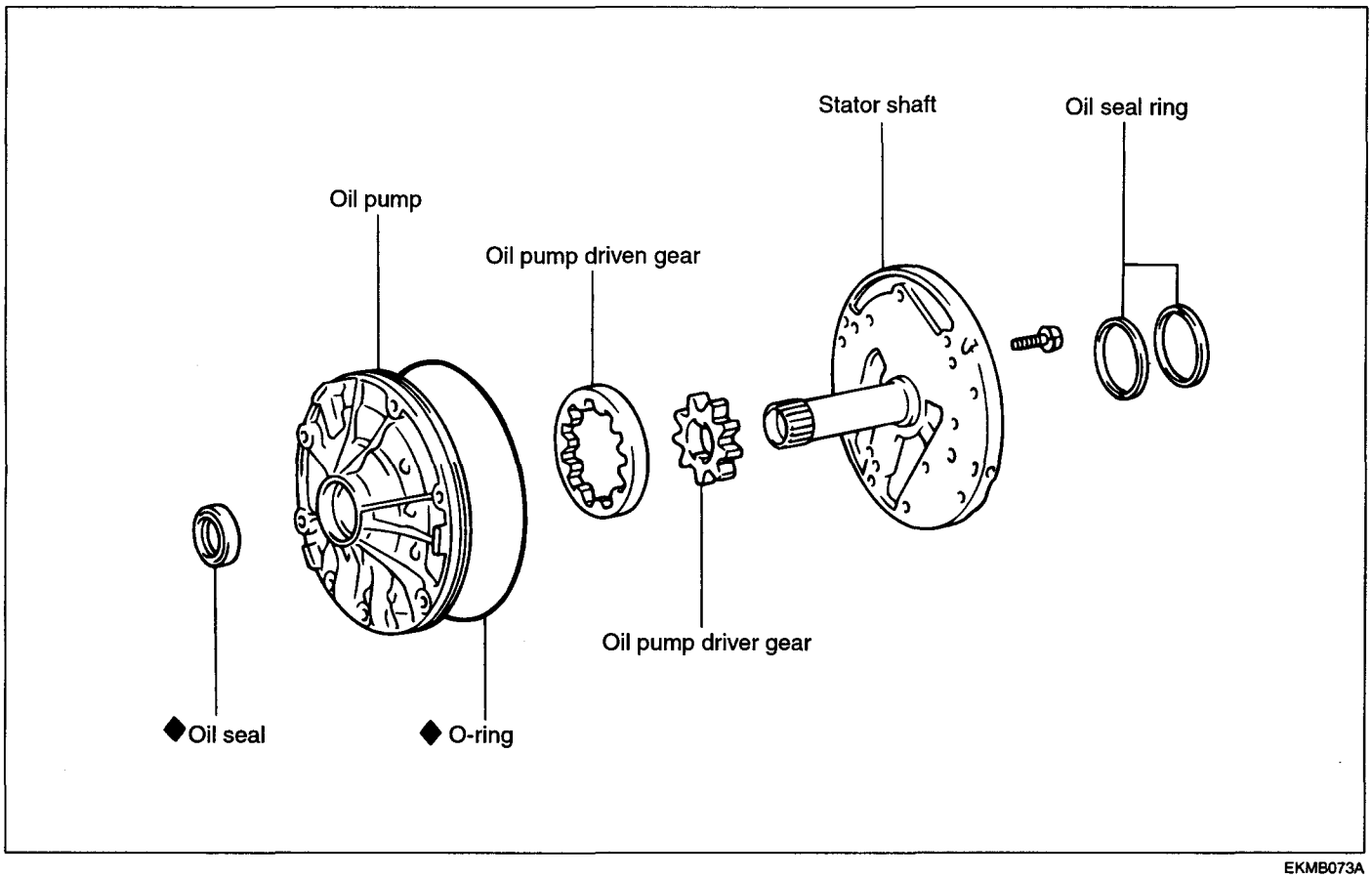


KPKA057A

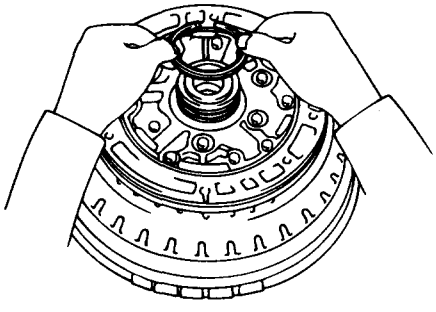
OIL PUMP EKMB0730



EKMB073A

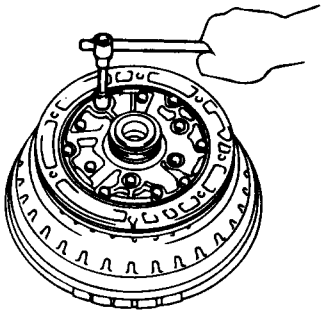
DISASSEMBLY EKMB0740

1. Remove the oil seal ring.



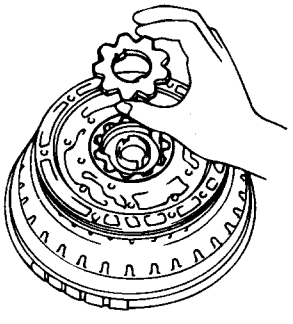
EKLA089A

2. Remove the stator shaft.



EKLA090A

3. Remove the drive and driven gear.



EKLA091A