

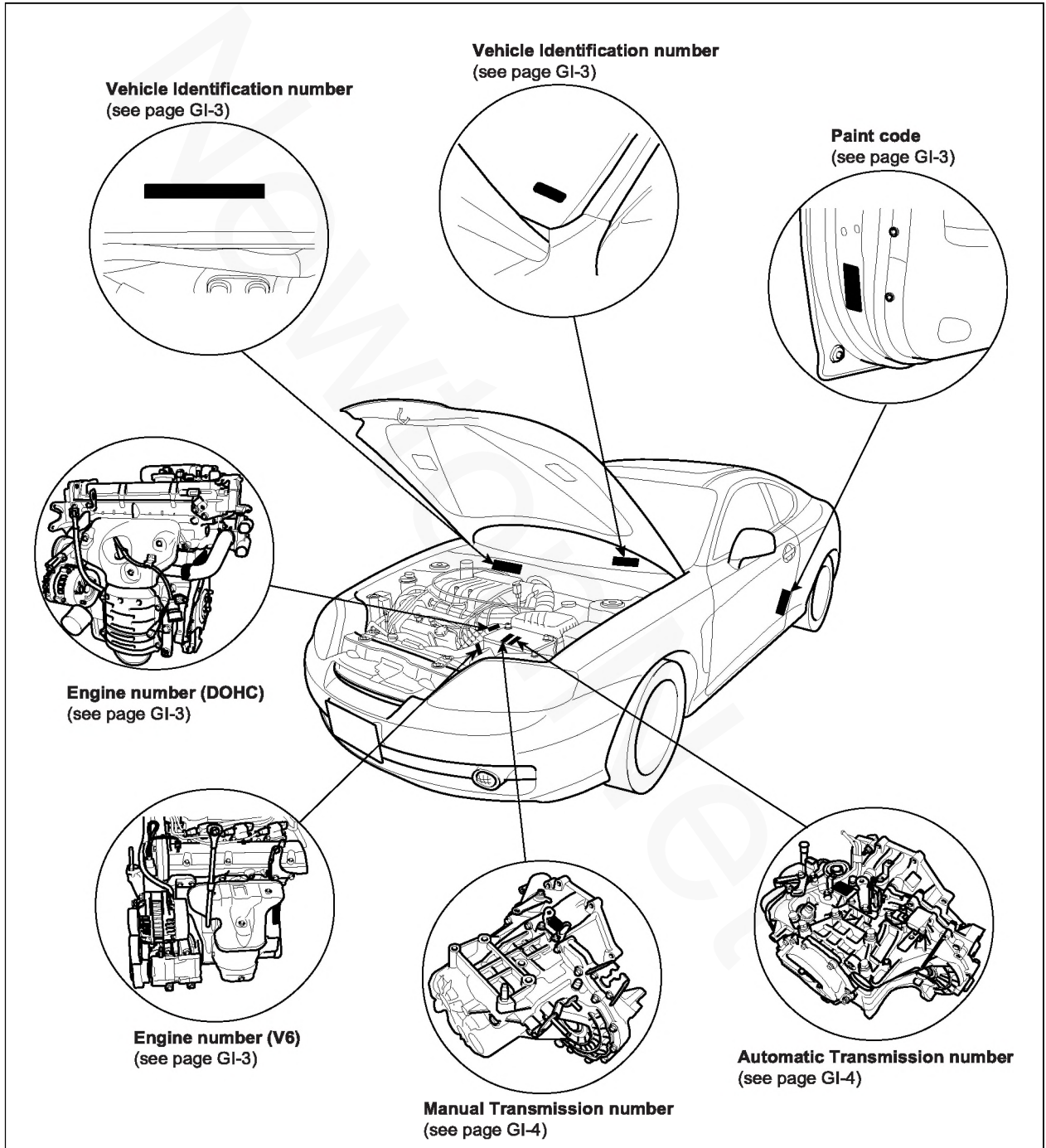
General Information

IDENTIFICATION NUMBER		TIGHTENING TORQUE TABLE OF	
LOCATIONS.....	GI-2	STANDARD PARTS.....	GI-12
WARNING/CAUTION LABEL		LIBRICANTS	GI-13
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GENERAL

IDENTIFICATION NUMBER LOCATIONS

EB9CB1DF



GENERAL

GI -3

IDENTIFICATION NUMBER DESCRIPTION

- 000001 ~ 999999

VEHICLE IDENTIFICATION NUMBER

K	M	H	H	L	6	4	D	3	6	U	000001
1	2	3	4	5	6	7	8	9	10	11	12

EAOG001D

1. Geographic zone
- K : Korea
2. Manufacturer
- M : Hyundai motor company
3. Vehicle type
- H : Passenger
4. Vehicle line
- H : TIBURON
5. Model & Series
- L : STANDAD (L)
- M : DELUXE (GL)
- N : SUPER DELUXE (GLS)
- P : GRAND SALON
- R : SUPER GRAND SALON
6. Body type
- 6 : Coupe
7. Restraint system
- 3 : Drive side - Active belt and air bag
Passenger side - Active belt or passive belt
- 4 : Both side - Active belt and air bag
- 5 : Depowered - Air bag
8. Engine type
- D : Gas 2.0 DOHC
- F : Gas 2.7 V6
9. Check digit
- 0 ~ 9, X
10. Production year
- 5 : 2005, 6 : 2006, 7 : 2007
11. Plant of production
- U : Ulsan (Korea)
12. Vehicle production sequence number

PAINT CODE

CODE	COLOR
NW	Noble White
EB	Ebony Black
VX	Samba Red
YY	Sunny Yellow
LS	Smart Silver
MS	Mystic Teal
XX	Exciting Blue
UE	Gold Savor
TW	New Silver
WN	Dark Navy Blue
AH	Amabile Rose
VZ	Triton Green

ENGINE IDENTIFICATION NUMBER

G	4	G	C	6	000001
1	2	3	4	5	6

EAOG001E

1. Engine fuel
- G : Gasoline
2. Engine range
- 4 : In line 4 cycle 4 cylinder
- 6 : In line 4 cycle 6 cylinder
3. Engine development order
- B : Delta engine
- G : Beta engine
4. Engine capacity
- A : 2656 cc
- C : 1975 cc
5. Production year
- 5 : 2005, 6 : 2006, 7 : 2007
6. Engine production sequence number
- 000001 ~ 999999

TRANSMISSION IDENTIFICATION NUMBER

MANUAL

J	P	1873	000001
1	2	3	4

EAQE001F

L	6		A	000001
1	2		3	4

EAGG001G

1. Model
 - L : M5GF1 (2.7 V6)
 - J : M5BF2 (2.0 DOHC)
2. Production year
 - 5 : 2005, 6 : 2006, 7 : 2007
3. Gear ratio
 - N : 4.063
 - 1873 : 4.056
4. Transmission production sequence number
 - 000001 ~ 999999

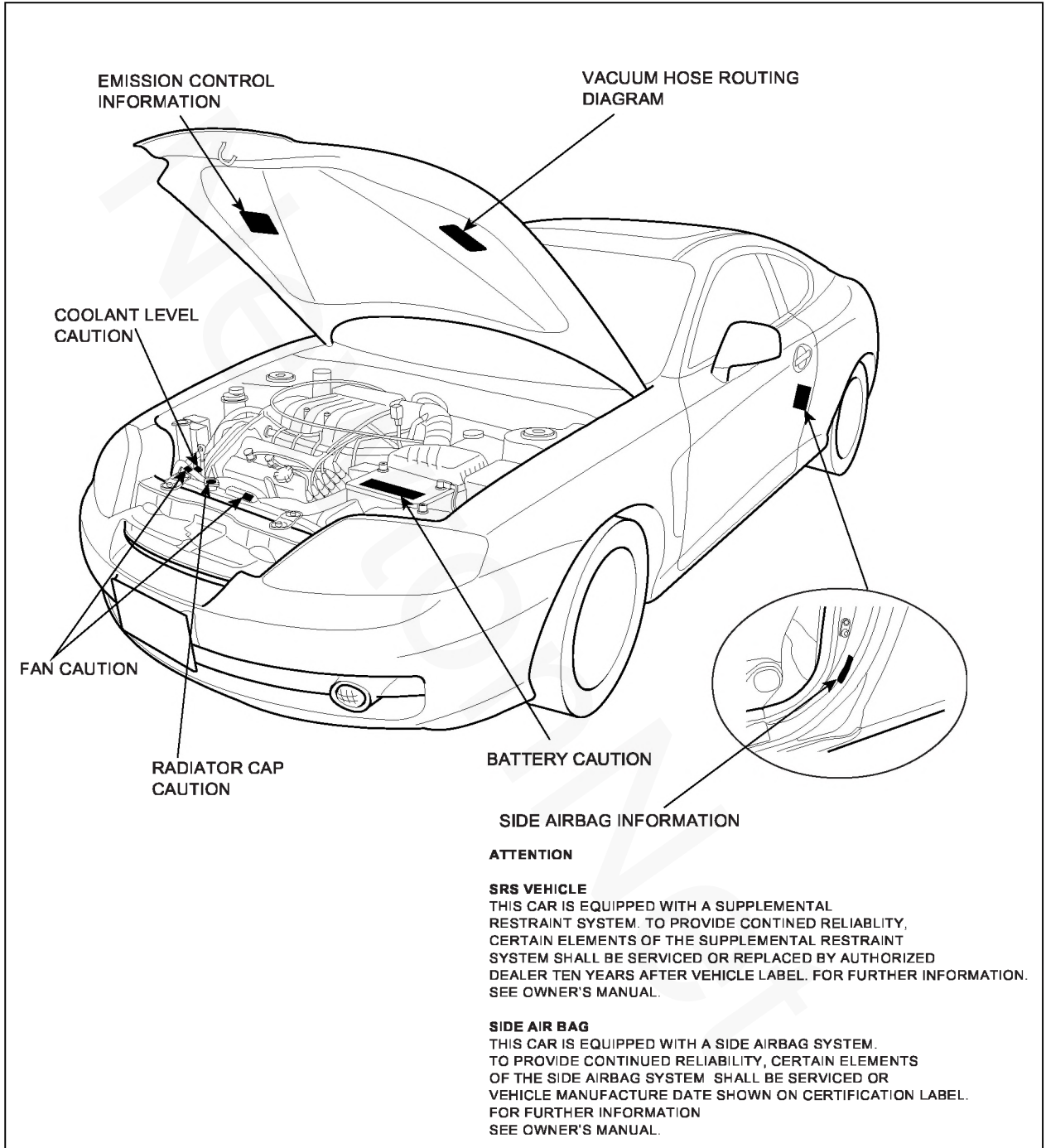
AUTOMATIC

N	6	N	CD		000001
1	2	3	4	5	6

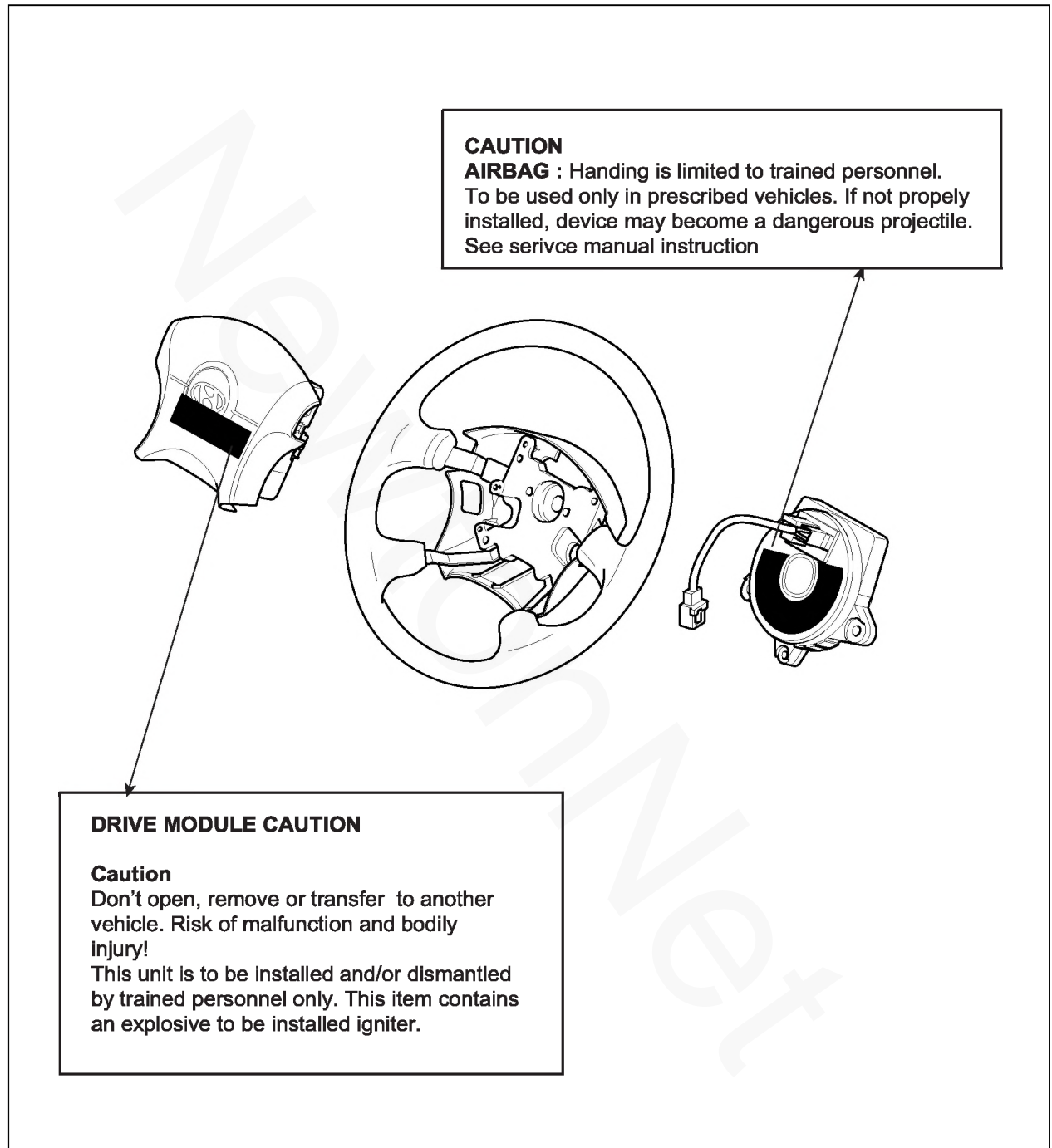
EAGG001H

1. Model
 - N : F4A42-2
 - M : F4A42-1
2. Production year
 - 5 : 2005, 6 : 2006, 7 : 2007
3. Gear ratio
 - N : 4.042
 - Q : 4.407
4. Detailed classification
 - CD : 2.0/2.7 Engine
5. Spare
6. Transmission production sequence number
 - 000000 ~ 999999

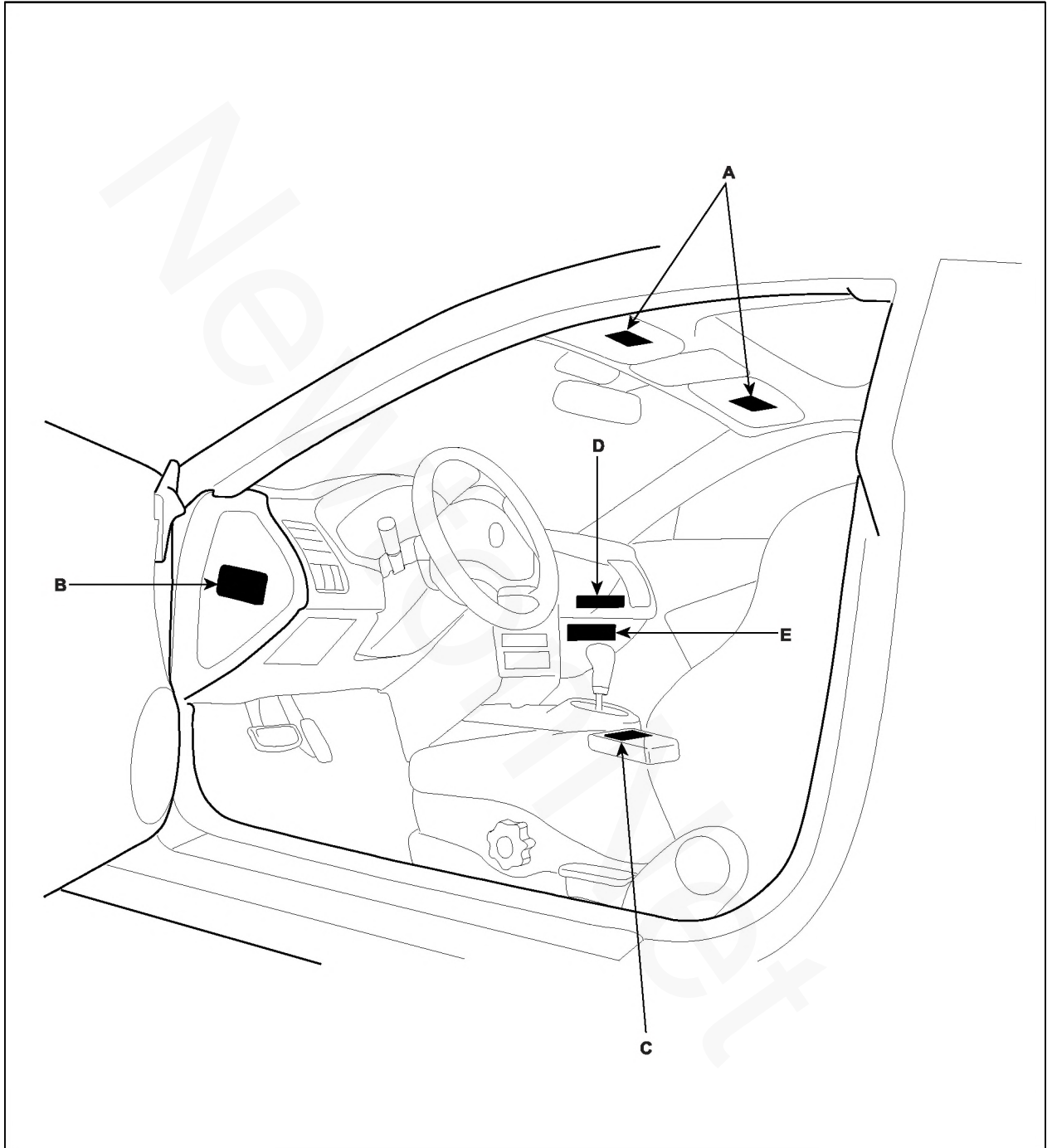
WARNING / CAUTION LABEL LOCATIONS



AIR BAG WARNING / CAUTION LABEL



AIR BAG WARNING / CAUTION LABEL (CONT'D)



WARNING / CAUTION LABEL (CON'T)**A : SRS INFORMATION****WARNING**

Death or serious injury can occur.

- Children 12 and under can occur.
- The back seat is the safest place for children.
- Never put a rear-facing child seat in the front.
- Sit as far back as possible from the airbag.
- Always use seat belts and child restraints.

B : WARNING**SEE OWNER'S MANUAL**

This car is equipped a side airbag for each front seat.

- Do not use any accessory seat covers.
- Use of other seat covers could reduce the effect of the system.
- Do not install any accessories on the side or rear the side airbag.
- Do not use excessive force on the side of the seat.
- For further information, see the owner's manual.

C : CAUTION**AIRBAG ESPE UNIT**

Detach connector before unmounting. Assemble strictly according to manual instructions.

D : PASSENGER MODULE CAUTION**CAUTION**

Don't open, remove or transfer to another vehicle.

Risk of malfunction and bodily injury!

This unit is to be installed and/or dismantled by trained personnel only. This item contains an explosive to be installed igniter.

E : SUPPLEMENTAL RESTRAINT SYSTEM (AIRBAG) INFORMATION

- The airbag is a Supplement Restraint System (SRS).
You must always wear the seat belts.
- The airbag system condition is normal when the "SRS" lamp in the cluster flashes approximately 6 times after the ignition key is turned on and then goes off.
- If any of the following condition occur, the system must be serviced.
 - "SRS" lamp dose not light up when the key is turned on.
 - "SRS" lamp stays lit or flashes continuously.
 - The airbag has inflated.
- The airbag system must be inspected by an authorized dealer ten years after the vehicle manufacture date shown on the certification label, located on left front door opening area.
- **WARNING**
Failure to the above instructions may result injury to you or other occupants in the vehicle.
- See the "SRS" section in owner's Manual for more information about airbags.

EMISSION CONTROL LABEL

B :

Emission Grop Identification

EXAMPLE :

U.S.A.

VEHICLE EMISSION CONTROL INFORMATION

TEST GROUP NAME: []
 EVAPORATIVE FAMILY: []
 ENGINE DISPLACEMENT: [] GBD # CERTIFIED
 EMISSION CONTROL TYPE: S(F)-2(W)-T(W)-2(I)2(S)-T(W)

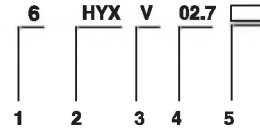
ENGINE TUNE-UP SPECIFICATIONS

IGNITION TIMING: 12° BTDC ± 0.5° AT CURS IDLE SPEED
 CURS IDLE SPEED: 750±100 RPM
 SPARK PLUG GAP: 0.030 - 0.043 in
 FOR DETAILED MAINTENANCE INFORMATION
 PLEASE REFER TO SERVICE MANUAL

NOTE: NO OTHER ADJUSTMENTS NEEDED

CATALYST HYUNDAI MOTOR COMPANY

Callout A points to the 'NOTE' section.
 Callout B points to the 'TEST GROUP NAME' field.
 Callout C points to the 'EMISSION CONTROL TYPE' field.



EAOG003D

1. Model Year
- 6 : 2006
2. Manufacturer Subcode
- HYX : HYUNDAI MOTOR
3. Family Type
- V : Passenger car
4. Displacement
5. Sequence Characters

C :

CANADA

VEHICLE EMISSION CONTROL INFORMATION

TEST GROUP NAME: []
 EVAPORATIVE FAMILY: []
 ENGINE DISPLACEMENT: [] GBD # CERTIFIED
 EMISSION CONTROL TYPE: S(F)-2(W)-T(W)-2(I)2(S)-T(W)

ENGINE TUNE-UP SPECIFICATIONS AND ADJUSTMENTS

IGNITION TIMING: 12° BTDC ± 0.5° AT CURS IDLE SPEED
 CURS IDLE SPEED: 750±100 RPM
 SPARK PLUG GAP: 0.030 - 0.043 in
 FOR DETAILED MAINTENANCE INFORMATION PLEASE REFER
 TO SERVICE MANUAL

NOTE: NO OTHER ADJUSTMENTS NEEDED.

CATALYST HYUNDAI MOTOR COMPANY

Callout A points to the 'NOTE' section.
 Callout B points to the 'TEST GROUP NAME' field.



EAOE003C

A :

U.S.A

THIS VEHICLE CONFORMS TO U.S EPA NLEV AND REGULATIONS APPLICABLE TO 2004 MODEL YEAR NEW LEV PASSENGER CARS.

CANADA

THIS VEHICLE CONFORMS TO CANADA AND TO U.S EPA NLEV REGULATIONS APPLICABLE TO 2004 MODEL YEAR NEW LEV PASSENGER CARS.

1. Model Year
- 6 : 2006
2. Manufacturer Subcode
- HYX : HYUNDAI MOTOR
3. Family Type
- R : EVAP/ORVR
4. Canister Work Capacity
5. Sequence Characters

EAOG003E

LIFT AND SUPPORT POINT

⊗ WARNING

When heavy rear components such as suspension, fuel tank, spare tire, tailgate and trunk lid are to be removed, place additional weight in the luggage area before hoisting . When substantial weight is removed from the rear of the vehicle the, center of gravity may change and can cause the vehicle to tip forward on the hoist.

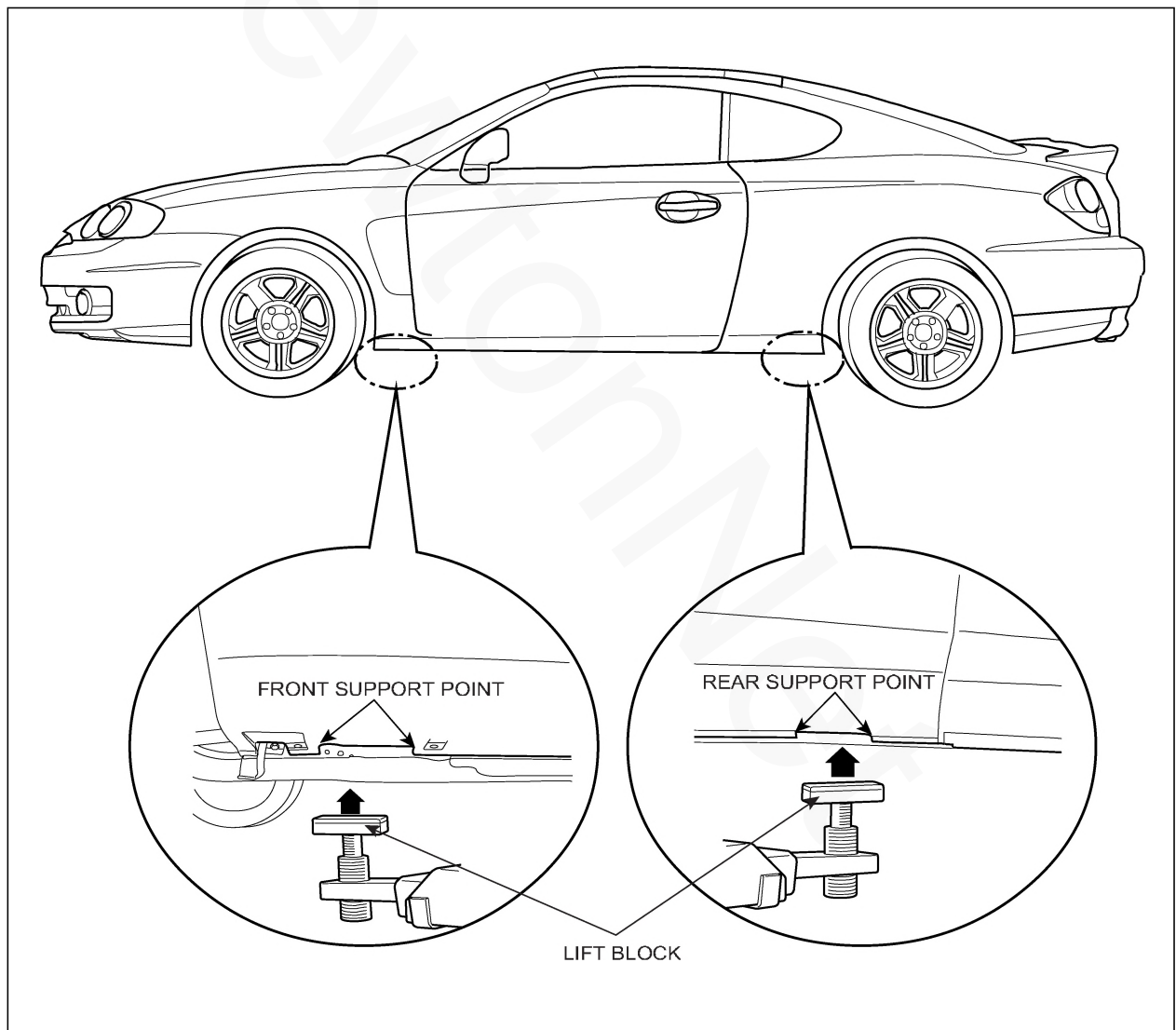
📖 NOTE

- Since each tire/wheel assembly weights approximately 30lbs(14kg), placing the front wheels in

the luggage area can assist with weight distribution.

- *Use the same support points to support the vehicle on safely stands.*

1. Place the lift blocks under the support points as shown in the illustration.
2. Raise the hoist a few inches (centimeters) and rock the vehicle to be sure it is firmly supported.
3. Raise the hoist to full height to inspect the lift points for secure support.



TOWING

If the vehicle needs to be towed, call a professional towing service. Never tow vehicle with just a rope or chain. It is very dangerous.

EMERGENCY TOWING

There are three popular methods of towing a vehicle :

Flat - bed Equipment - The operator loads the vehicle on the back of truck. This is best way of transporting the vehicle.

Wheel Lift Equipment - The tow truck uses two pivoting arms that go under the tires (front or rear) and lift them off the ground. The other two wheels remain on the ground.

Sling type Equipment - The tow truck metal cables with hooks on the ends. These hooks go around parts of the frame or suspension, and the cables lift that end of the vehicle off the ground. The vehicle's suspension and body can be seriously damaged if this method of towing is attempted.

If the vehicle cannot be transported by flat-bed, it should be towed with the front wheels off the ground. If due to damage, the vehicle must be towed with the front wheels on the ground, do not following :

Manual Transmission

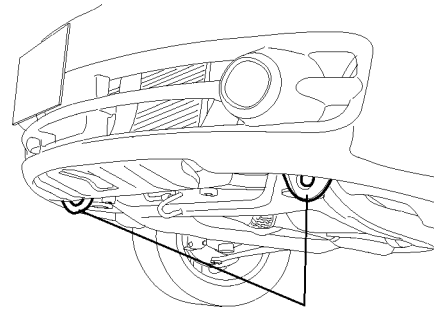
- Release the parking brake.
- Shift the transmission to neutral.

Automatic Transmission

- Release the parking brake.
- Start the engine.
- Shift to [D] position, then [N] position.
- Turn off the engine.

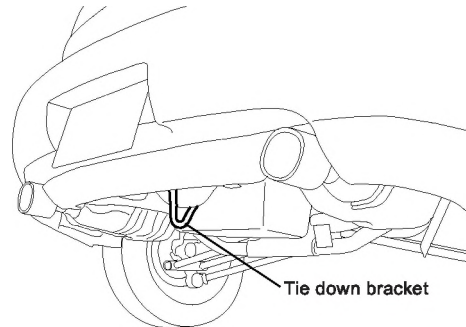
**CAUTION**

- **Improper towing preparation will damage the transmission. Follow the above procedure exactly. If you cannot shift the transmission or start the engine (automatic transmission), your vehicle must be transported on a flat-bed.**
- **It is best to tow vehicle no farther than 19miles (30km), and keep the speed below 30mph (50km/h).**
- **Trying to lift or tow your vehicle by the bumpers will cause serious damage. The bumpers are not designed to support the vehicle's weight.**

FRONT :

Towing hooks and tie brackets

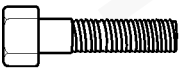

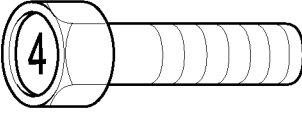
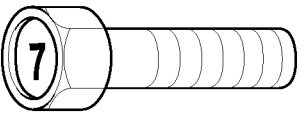
EAOE004E

REAR :

Tie down bracket

EAOE004F

TIGHTENING TORQUE TABLE OF STANDARD PARTS

Bolt nominal diameter (mm)	Pitch (mm)	Torque Nm (kg.cm, lb.ft)	
		Head Mark 4	Head Mark 7
 EAKE004E	 KASD100Y	 EAKE004F	 EAKE004G
M5	0.8	3 ~ 4 (30 ~ 40, 2.2 ~ 2.9)	5 ~ 6 (50 ~ 60, 3.6 ~ 4.3)
M6	1.0	5 ~ 6 (50 ~ 60, 3.6 ~ 4.3)	9 ~ 11 (90 ~ 110, 6.5 ~ 8.0)
M8	1.25	12 ~ 15 (120 ~ 150, 9 ~ 11)	20 ~ 25 (200 ~ 250, 14.5 ~ 18.0)
M10	1.25	25 ~ 30 (250 ~ 300, 18 ~ 22)	30 ~ 50 (300 ~ 500, 22 ~ 36)
M12	1.25	35 ~ 45 (350 ~ 450, 25 ~ 33)	60 ~ 80 (600 ~ 800, 43 ~ 58)
M14	1.5	75 ~ 85 (750 ~ 850, 54 ~ 61)	120 ~ 140 (1,200 ~ 1,400, 85 ~ 100)
M16	1.5	110 ~ 130 (1,100 ~ 1,300, 80 ~ 94)	180 ~ 210 (1,800 ~ 2,100, 130 ~ 150)
M18	1.5	160 ~ 180 (1,600 ~ 1,800, 116 ~ 130)	260 ~ 300 (2,600 ~ 3,000, 190 ~ 215)
M20	1.5	220 ~ 250 (2,200 ~ 2,500, 160 ~ 180)	360 ~ 420 (3,600 ~ 4,200, 260 ~ 300)
M22	1.5	290 ~ 330 (2,900 ~ 3,300, 210 ~ 240)	480 ~ 550 (4,800 ~ 5,500, 350 ~ 400)
M24	1.5	360 ~ 420 (3,600 ~ 4,200, 260 ~ 300)	610 ~ 700 (6,100 ~ 7,000, 440 ~ 505)

 NOTE

1. The torques shown in the table are standard values under the following conditions :
 - Nuts and bolts are made of galvanized steel bar.
 - Galvanized plain steel washers are inserted.
 - All nuts, bolts, and plain washers are dry.

2. The torques shown in the table are not applicable :
 - When spring washers, toothed washers and the like are inserted.
 - If plastic parts are fastened.
 - If self - tapping screws or self - locking nuts are used.
 - If threads and surfaces are coated with oil.

3. If you reduce the torques in the table to the percentage indicated below, under the following conditions, it will be the standard value.
 - If spring washers are used. : 85%
 - If threads and bearing surfaces are stained with oil : 85%

LUBRICANTS

RECOMMENDED LUBRICANTS

Parts		OIL & GREASE STANDARD
Engine oil		API SJ or SL above 5W - 20(all) 10W - 30(above -18°C) 15W - 30(above -13°C) 20W - 50(above -7°C)
Transaxle	Manual	HYUNDAI GENUINE PARTS MTF 75W/90 (API GL-4)
	Auto	DIAMOND ATF SP-3, SK ATF SP-3
Power Steering		PSF-3
Brake Fluid		DOT 3, DOT 4 or equivalent
Coolant		Ethylene glycol base for aluminium radiator.
Transaxle linkage, parking brake cable mechanism, hood lock and hook, door latch, seat adjust, tailgate latch, door hinges, tailgate hinges		Multipurpose grease NLGI grade #2

⊗ WARNING

Always use Genuine Hyundai parts and recommended fluid.

Using any other type of parts and fluid can cause serious damage of the vehicle.

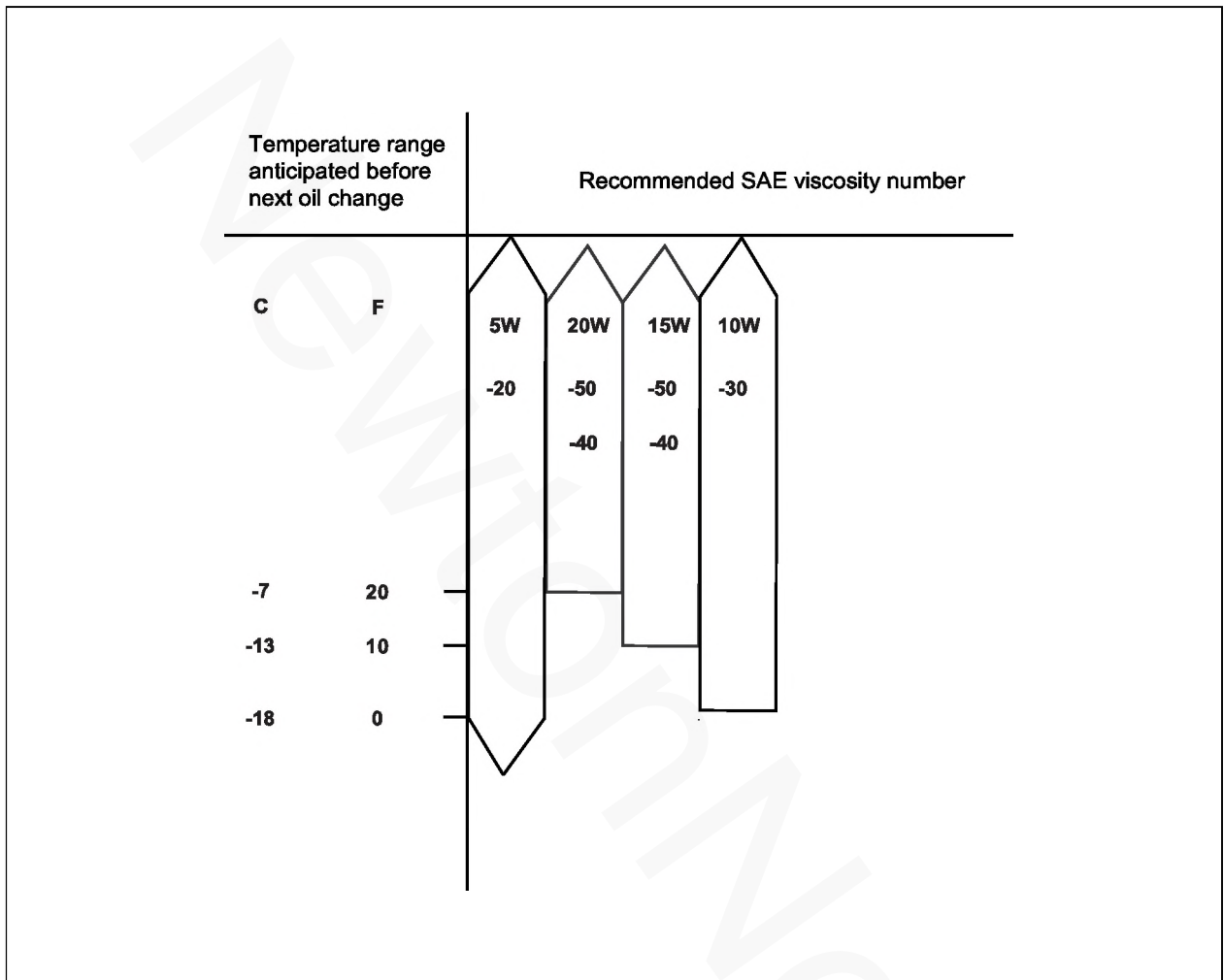
LUBRICANTS CAPACITIES

Description		Capacities [liter (U.S. qus., Imp.qts.)]	
		2.0	2.7
Engine oil	Oil pan	3.7 (3.91, 3.26)	4.2 (4.44, 3.69)
	Oil filter	0.3 (0.32, 0.26)	
	Total	4.0 (4.23, 3.52)	4.5 (4.76, 3.95)
Cooling system		7.3 (7.71, 6.42)	8.6 (9.09, 7.57)
Manual transaxle		2.15 (2.3, 1.86)	
Automatic transaxle		7.8 (8.2, 6.8)	
Power steering		0.9 (0.95, 0.79)	

SELECTION OF ENGINE OIL

RECOMMENDED API CLASSIFICATION : SJ OR SL ABOVE

RECOMMENDED SAE VISCOSITY GRADES :



EAGF001A

**NOTE**

For best performance and maximum protection of all types of operation, select only those lubricants which :

1. Satisfy the requirements of the API classification.
2. Have the proper SAE grade number for expected ambient temperature range.

Lubricants which do not have both an SAE grade number and an API service classification on the container should not be used.

GENERAL SERVICE INFORMATION

PROTECTION OF THE VEHICLE

Always be sure to cover fenders, seats, and floor areas before starting work.

 **CAUTION**

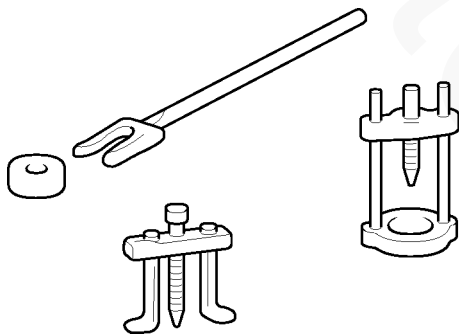
The support rod must be inserted into the hole near the edge of the hood whenever you inspect the engine compartment to prevent the hood from falling and causing possible injury. Make sure that the support rod has been released prior to closing the hood. Always check to be sure the hood is firmly latched before driving the vehicle.

PREPARATION OF TOOLS AND MEASURING EQUIPMENT

Be sure that all necessary tools and measuring equipment are available before starting work.

SPECIAL TOOLS

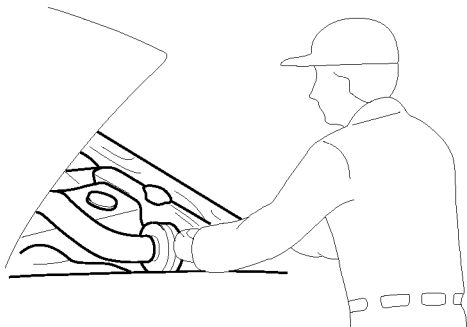
Use special tools when they are required.



EAKE005A

REMOVAL OF PARTS

First find the cause of the problem and then determine whether removal or disassembly before starting the job.



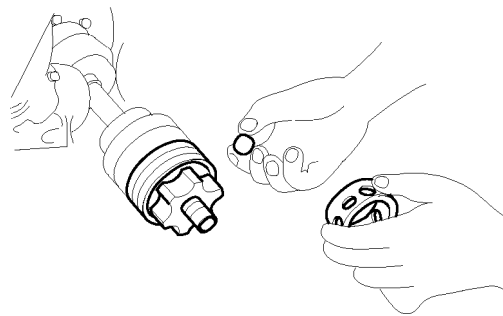
EAKE005B

DISASSEMBLY

If the disassembly procedure is complex, requiring many parts to be disassembled, all parts should be disassembled in a way that will not affect their performance or external appearance.

1. Inspection of parts

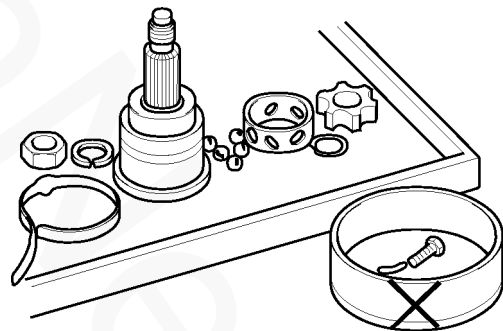
Each part, when removed, should be carefully inspected for malfunction, deformation, damage, and other problems.



EAKE005C

2. Arrangement of parts

All disassembled parts should be carefully arranged for effective reassembly. Be sure to separate and correctly identify the parts to be replaced from those that will be used again.



EAKE005D

3. **Cleaning parts for reuse**

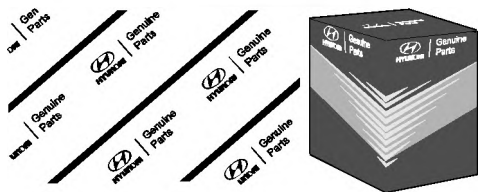
All parts to be used again should be carefully and thoroughly cleaned by an appropriate method.



EAKE005E

PARTS

When replacing parts, use HYUNDAI genuine parts.



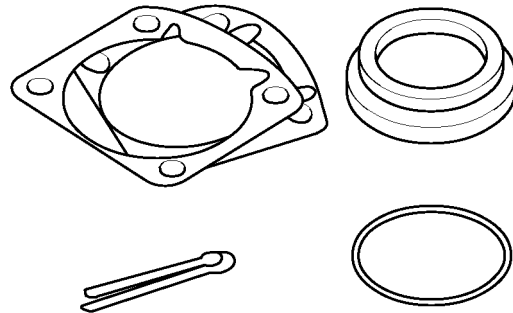
EAKE005F

REPLACEMENT

Standard values, such as torques and certain adjustments, must be strictly observed in the reassembly of all parts.

If removed, the following parts should always be replaced with new ones.

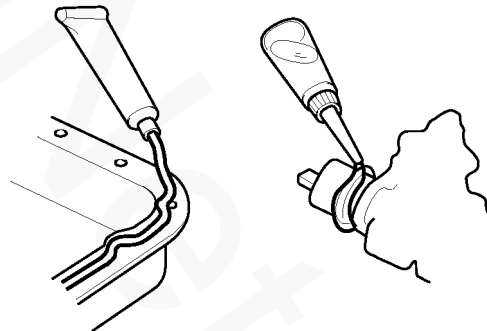
1. Oil seals
2. Gaskets
3. O-rings
4. Lock washers
5. Cotter pins (split pins)
6. Plastic nuts



EAKE005G

Depending on their location.

7. Sealant should be applied to gaskets.
8. Oil should be applied to the moving components of parts.
9. Specified oil or grease should be applied to the pre-scribed locations (oil seals, etc.) before assembly.



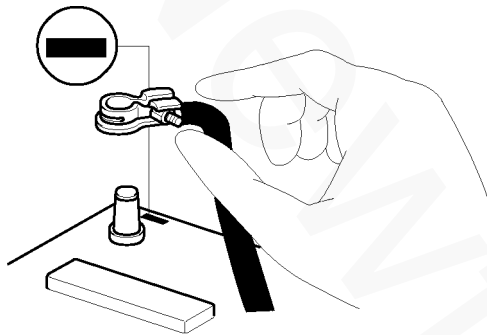
EAKE005H

ADJUSTMENT

Use gauges and testers to correctly adjust the parts to standard values.

ELECTRICAL SYSTEM

1. Be sure to disconnect the battery cable from the negative (-) terminal of the battery.
2. Never pull on the wires when disconnecting connectors.
3. Locking connectors will click when the connector is secure.
4. Handle sensors and relays carefully. Be careful not to drop them against other parts.



EAKE005I

RUBBER PARTS AND TUBES

Always prevent gasoline or from touching rubber parts or tubing.



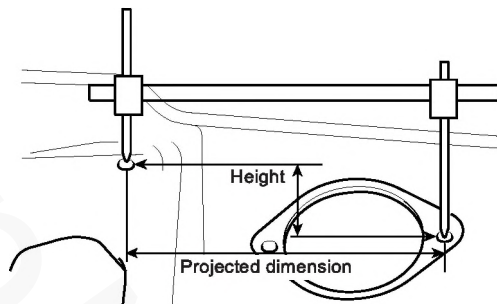
EAKE005J

MEASURING BODY DIMENSIONS

1. Basically, all measurements in this manual are taken with a tracking gauge.
2. When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
3. For measuring dimensions, both projected dimensions and actual measurement dimensions are used in this manual.

PROJECTED DIMENSIONS

1. These are the dimensions measured when the measurement points are projected from the vehicle's surface, and are the reference dimensions used for body alterations.
2. If the length of the tracking gauge probes is adjustable, measure it by lengthening one of two probes as long as the difference value in height of the two surfaces.



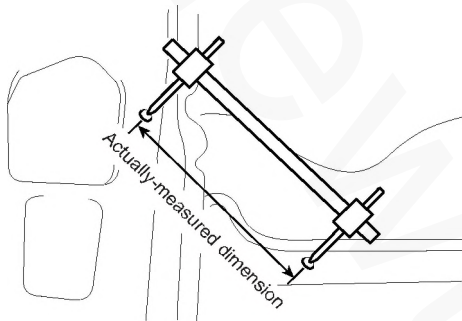
EAKE005K

MEASURING ACTUAL DIMENSIONS

1. These dimensions indicate the actual linear distance between measurement points, and are used as the reference dimensions when a tracking gauge is used for measurement.
2. First adjust both probes to the same length (A=A') before measurement.

**NOTE**

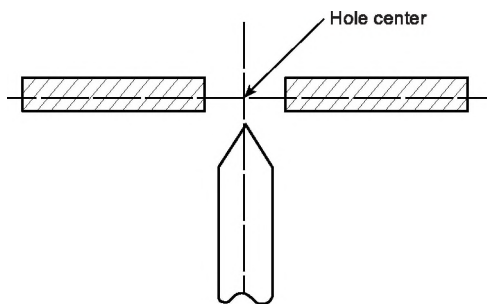
Check the probes and gauge itself to make sure there is no free play.



EAKE005L

MEASUREMENT POINT

Measurements should be taken at the center of the hole.

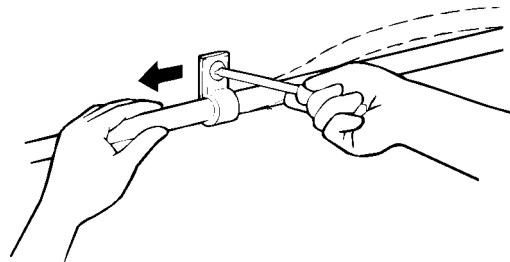


EAKE005M

CHECKING CABLES AND WIRES

1. Check the terminal for tightness.
2. Check terminals and wires for corrosion from battery electrolyte, etc.
3. Check terminals and wires for open circuits.
4. Check wire insulation and coating for damage, cracks and degrading.
5. Check the conductive parts of terminals for contact with other metallic parts (vehicle body and other parts).

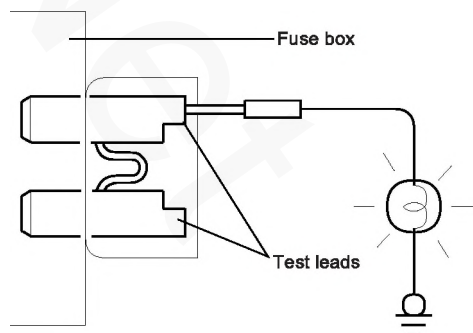
6. Check grounded parts firmly that there is complete continuity between their attaching bolt(s) and the vehicle's body.
7. Check for incorrect wiring.
8. Check that the wiring is clamped to prevent contact with sharp corners of the vehicle body or hot parts (exhaust manifold, etc.).
9. Check that the wiring is clamped firmly to provide enough clearance from the fan pulley, fan belt and other rotating or moving parts.
10. Check that the wiring has a little space so that it can vibrate between fixed and moving parts such as the vehicle body and the engine.



EAKE005N

CHECK FUSES

A blade type fuse test leads provided to allow checking the fuse itself without removing it from the fuse box. The fuse is good if the test lamp lights up when one lead is connected to the test leads (one at a time) and the other lead is grounded. (Turn on the ignition switch so that the fuse circuit becomes operative)



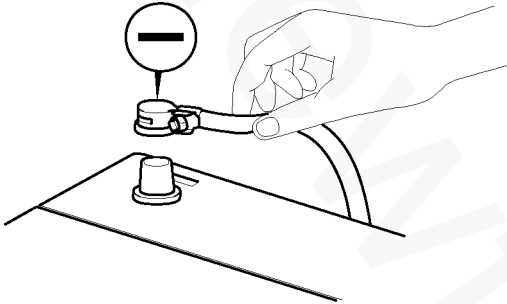
EAKE005O

SERVICING THE ELECTRICAL SYSTEM

1. Prior to servicing the electrical system, be sure to turn off the ignition switch and disconnect the battery ground cable.

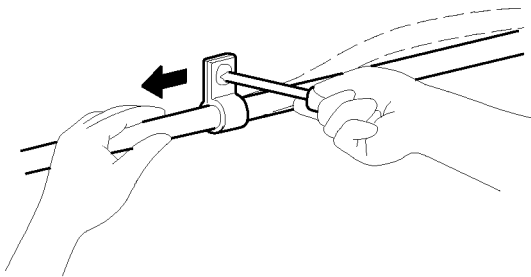
NOTE

In the course of MFI or ELC system diagnosis, when the battery cable is removed, any diagnostic trouble code retained by the computer will be cleared. Therefore, if necessary, read the diagnostic before removing the battery cable.



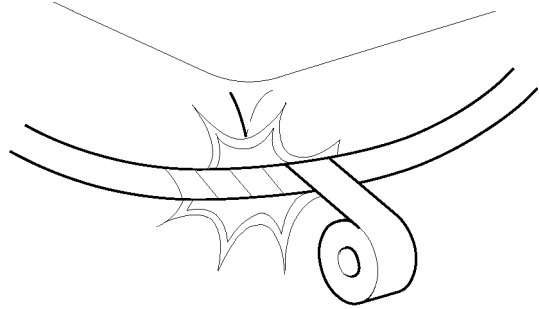
EAKE005P

2. Attach the wiring harnesses with clamps so that there is no slack. However, for any harness which passes the engine or other vibrating parts of the vehicle, allow some slack within a range that does not allow the engine vibrations to cause the harness to come into contact with any of the surrounding parts and then secure the harness by using a clamp.



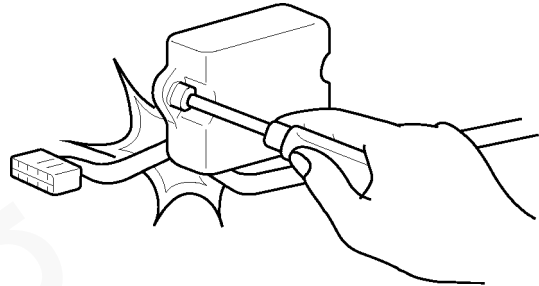
EAKE005R

3. If any section of a wiring harness interferes with the edge of a parts, or a corner, wrap the section of the harness with tape or something similar in order to protect it from damage.



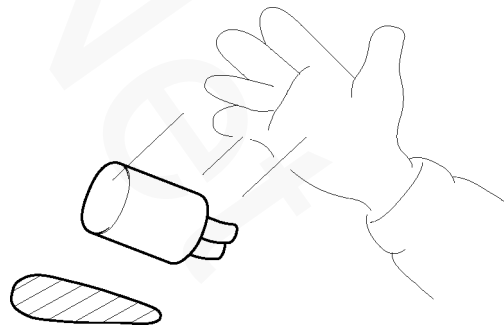
EAKE005S

4. When installing any parts, be careful not to pinch or damage any of the wiring harness.



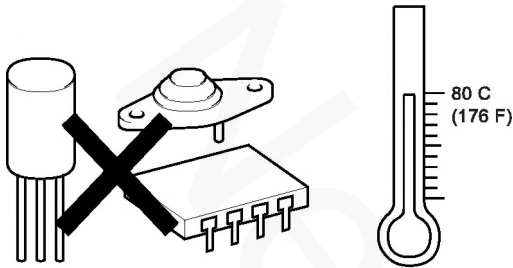
EAKE005T

5. Never throw relays, sensors or electrical parts, or expose them to strong shock.



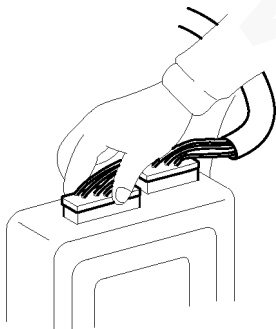
EAKE005U

6. The electronic parts used in the computer, relays, etc. are readily damaged by heat. If there is a need for service operations that may cause the temperature to exceed 80°C (176°F), remove the electronic parts beforehand.



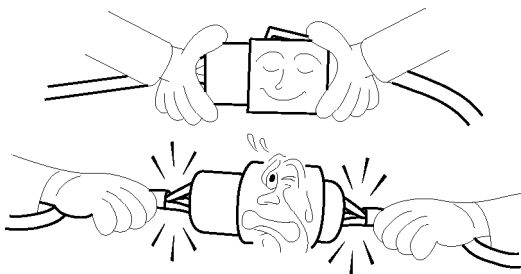
EAKE006A

7. Loose connectors cause problems. Make sure that the connectors are always securely fastened.



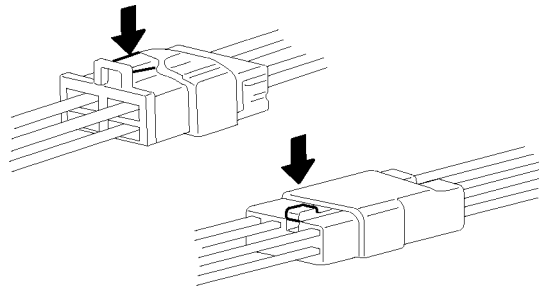
EAKE006B

8. When disconnecting a connector, be sure to grip only the connector, not the wires.



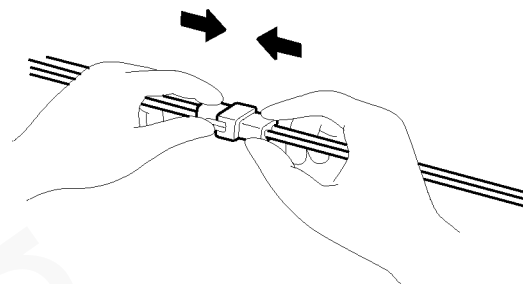
EAKE006C

9. Disconnect connector which have catches by pressing in the direction of the arrows shown in the illustration.



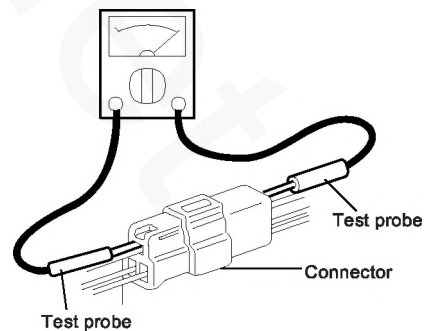
EAKE006D

10. Connect connectors which have catches by inserting the connectors until they make a clicking sound.



EAKE006E

11. When using a circuit tester to check continuity or voltage on connector terminals, insert the test probe into the harness side. If the connector is a sealed connector, insert the test probe through the hole in the rubber cap until contacts the terminal, being careful not to damage the insulation of the wires.



EAKE006G

12. To avoid overloading the wiring, take the electrical current load of the optional equipment into consideration, and determine the appropriate wire size.

Nominal size	SAE gauge No.	Permissible current	
		In engine compartment	Other areas
0.3mm ²	AWG 22	-	5A
0.5mm ²	AWG 20	7A	13A
0.85mm ²	AWG 18	9A	17A
1.25mm ²	AWG 16	12A	22A
2.0mm ²	AWG 14	16A	30A
3.0mm ²	AWG 12	21A	40A
5.0mm ²	AWG 10	31A	54A

PRECAUTIONS FOR CATALYTIC CONVERTER

 **CAUTION**

If a large amount of unburned gasoline flows into the converter, it may overheat and create a fire hazard. To prevent this observe the following precautions and explain them to your customer.

1. Use only unleaded gasoline.
2. Do not run the engine while the car is at rest for a long time. Avoid running the engine at fast idle for more than 10minutes and idle speed for more than 20 minutes.
3. Avoid start-jump tests. Do start-jumps only when absolutely necessary. Perform this test as rapidly as possible and, while testing, never race the engine.
4. Do not measure engine compression for an extended time. Engine compression tests must be made as rapidly as possible.
5. Avoid coasting with the ignition turned off and during prolonged braking.
6. Do not dispose of used catalytic converter with parts contaminated by gasoline or oil.

UNIT : mm (in.)

