RT-2 Restraint

General Information

General Information

The supplemental restraint system (SRS) is designed to supplement the seat belt to help reduce the risk or severity of injury to the driver and passenger by activating and deploying the driver, passenger, side airbag and belt pretensioner in certain frontal or side collisions.

The SRS (Airbag) consists of; a driver side airbag module located in the center of the steering wheel, which contains the folded cushion and an inflator unit; a passenger side airbag module located in the passenger side crash pad contains the folded cushion assembled with inflator unit; side airbag modules located in the front seat contain the folded cushion and an inflator unit; curtain airbag modules located inside of the headliner which contains folded cushions and inflator units. The impact sensing function of the SRSCM is carried out by electronic accelerometer that continuously measure the vehicle's acceleration and delivers a corresponding signal through amplifying and filtering circuitry to the microprocessor.

SRSCM (SRS Control Module)

SRSCM will detect front impact with front impact sensors and internal acceleration sensors inside of SRSCM. For side impact, SRSCM will detect the side impact with 4 side impact sensors, 2 conventional acceleration sensors in rear pillar inner locations and 2 pressure sensing sensors in side of front door module, and internal acceleration sensor inside of SRSCM.

SRSCM is designed to issue corresponding airbag module(s) deployment(s) using above described sensor inputs.

- DC/DC converter: DC/DC converter in power supply unit includes up/down transformer converter, and provides ignition voltage for all firing circuits, implemented as ASICs and the internal operation voltage of the SRSCM itself. if the internal operation voltage is below critical value setting, it will perform resetting.
- Back up power supply: SRSCM has separate back up power supply, that will supply deployment energy instantly in low voltage condition or upon power failure by front crash.
- Self diagnosis: SRSCM will constantly monitor current SRS operation status and detect system failure while vehicle power supply is on, system failure may be checked with trouble codes using GDS.

- 4. Airbag warning lamp on: Upon detecting error, the module will transmit signal to SRSCM indicator lamp located at cluster. MIL lamp will indicat to the driver that there is an SRS error. Upon ignition key on, SRS lamp will turn on for about six seconds.
- Trouble code registration: Upon error occurrence in system, SRSCM will store DTC corresponding to the error. DTC can be cleared only by GDS. However, if an internal fault code is active or if a crash is recorded the fault clearing cannot be performed.
- Self diagnostic connector: Data stored in SRSCM memory will be output to GDS or other external output devices through a connector located below driver side crash pad.
- 7. Once airbag is deployed, SRSCM should not be used again but replaced.
- SRSCM will determine whether passenger fasten the seat belt by the signal from built-in switch in seat belt buckle, and deploy front seat airbag at each set crash speed.
- 9. Side airbag deployment will be determined by SRSCM that will detect satellite sensor impact signal upon side crash, irrespective to seat belt condition.

General Information

RT-3

Specification

Item	Resistance (Ω)
Driver Airbag (DAB)	2.26 ~ 6.0
Passenger Airbag (PAB)	1.6 ~ 6.0
Side Airbag (SAB)	1.6 ~ 6.0
Curtain Airbag (CAB)	1.6 ~ 6.0
Seat Belt Pretensioner (BPT)	1.6 ~ 6.0

Tightening Torques

Item		N.m	kgf.m	lb-ft
Driver Airbag (DAB)		7.8 ~ 10.8	0.8 ~ 1.1	5.8 ~ 8.0
Passenger Airbag (PAB)		7.8 ~ 11.8	0.8 ~ 1.2	5.8 ~ 8.7
Curtain Airbog (CAR)	Bolt	9.8 ~ 14.7	1.0 ~ 1.5	7.2 ~ 10.8
Curtain Airbag (CAB)	Nut	7.8 ~ 11.8	0.8 ~ 1.2	5.8 ~ 8.7
Seat Belt Anchor Bolt		39.2 ~ 53.9	4.0 ~5.5	28.9 ~ 39.8
SRSCM		8.0 ~ 10.0	0.8 ~ 1.0	5.8 ~ 7.2
Front Impact Sensor (FIS) Mounting Nut		8.0 ~ 10.0	0.8 ~ 1.0	5.8 ~ 7.2
Pressure Side Impact Sensor (PSIS) Mounting Screw		1.0 ~ 1.3	0.11 ~ 0.13	0.8 ~ 0.9
Side Impact Sensor (SIS) Mounting Bolt		8.0 ~ 10.0	0.8 ~ 1.0	5.8 ~ 7.2
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)				

ولین سامانه دیجیتال تعمیرکاران خودرو در ایران

RT-4 Restraint

Special Service Tools

Tool(Number and Name)	Illustration	Use
Deployment tool 0957A-34100A	ARIE500A	Airbag deployment tool.
Deployment adapter 0957A-3F100	ERKD001F	Use with deployment tool. (PAB, SAB)
Deployment adapter 0957A-3S100	SYFRT0300D	Use with deployment tool. (DAB, CAB, BPT)
Dummy 0957A-38200	ARIE500D	Simulator to check the resistanceof each wiring harness.
Dummy adapter 0957A-3F000	ERKD001G	Use with dummy (PAB, SAB)

General Information

RT-5

Tool(Number and Name)	Illustration	Use
Dummy adapter 0957A-2G000		Use with dummy (DAB, CAB, BPT)
	ARIE500F	

DAB: Driver Airbag
PAB: Passenger Airbag
SAB: Side Airbag
CAB: Curtain Airbag

BPT: Seat Belt Pretensioner





RT-6 Restraint

Precautions

General Precautions

Please read the following precautions carefully before performing the airbag system service.

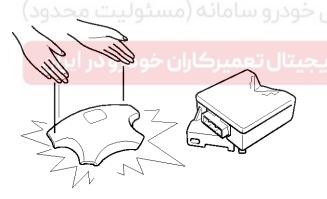
Observe the instructions described in this manual, or the airbags could accidentally deploy and cause damage or injuries.

 Except when performing electrical inspections, always turn the ignition switch OFF and disconnect the negative cable from the battery, and wait at least three minutes before beginning work.

MOTICE

The contents in the memory are not erased even if the ignition switch is turned OFF or the battery cables are disconnected from the battery.

- Use the replacement parts which are manufactured to the same standards as the original parts and quality.
 Do not install used SRS parts from another vehicle.
 Use only new parts when making SRS repairs.
- Carefully inspect any SRS part before you install it.
 Do not install any part that shows signs of being dropped or improperly handled, such as dents, cracks or deformation.



FRKD002V

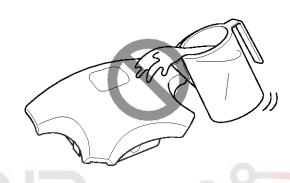
 Before removing any of the SRSCM parts (including the disconnection of the connectors), always disconnect the SRSCM connector.

Airbag Handling and Storage

Do not disassemble the airbags; it has no serviceable parts. Once an airbag has been deployed, it cannot be repaired or reused.

For temporary storage of the air bag during service, please observe the following precautions.

- Store the removed airbag with the pad surface up.
- Keep free from any oil, grease, detergent, or water to prevent damage to the airbag assembly.



ERKD002Z

- Store the removed airbag on secure, flat surface away from any high heat source (exceeding 85 C/185 F).
- Never perform electrical inspections to the airbags, such as measuring resistance.
- Do not position yourself in front of the airbag assembly during removal, inspection, or replacement.
- Refer to the scrapping procedures for disposal of the damaged airbag.
- Be careful not to bump or impact the SRS unit or the side impact sensors or front impact sensors whenever the ignition switch is ON, wait at least three minutes after the ignition switch is turned OFF before begin work.
- During installation or replacement, be careful not to bump (by impact wrench, hammer, etc.) the area around the SRS unit and the side impact sensor and the front impact sensors. The airbags could accidentally deploy and cause damage or injury.

General Information

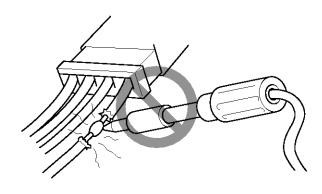
RT-7

- Replace the front airbag module, SRSCM, FIS when the front airbag is deployed. Replace the airbag wiring when the airbag wiring get damaged. Replace the side airbag module, the curtain airbag module, SRSCM, SIS when deploying the side airbag. Replace the airbag when the airbag wiring get damaged.
- After a collision in which the airbags or the side air bags did not deploy, inspect for any damage or any deformation on the SRS unit and the side impact sensors. If there is any damage, replace the SRS unit, the front impact sensor and/or the side impact sensors.
- Do not disassemble the SRS unit, the front impact sensor or the side impact sensors.
- Turn the ignition switch OFF, disconnect the battery negative cable and wait at least three minutes before beginning installation or replacement of the SRS unit.
- Be sure the SRS unit, the front impact sensor and side impact sensors are installed securely with the mounting bolts.
- Do not spill water or oil on the SRS unit, or the front impact sensor or the side impact sensors and keep them away from dust.
- Store the SRS unit, the front impact sensor and the side impact sensors in a cool (15 \sim 25 °C/ 59 \sim 77 °F) and dry (30 \sim 80% relative humidity, no moisture) area.

Wiring Precautions

SRS wiring can be identified by special yellow outer covering Observe the instructions described in this section.

Never attempt to modify, splice, or repair SRS wiring.
 If there is an open or damage in SRS wiring, replace the harness.



ARIE500I

 Be sure to install the harness wires so that they are not pinched, or interfere with other parts.

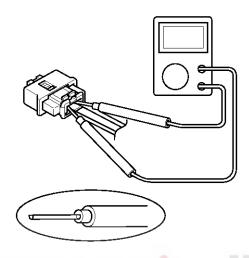


ARIE500J

 Make sure all SRS ground locations are clean, and grounds are securely fastened for optimum metal-to-metal contact. Poor grounding can cause intermittent problems that are difficult to diagnose. RT-8 Restraint

Precautions for Electrical Inspections

 When using electrical test equipment, insert the probe of the tester into the wire side of the connector.
 Do not insert the probe of the tester into the terminal side of the connector, and do not tamper with the connector.



ERKD002W

- Use a u-shaped probe. Do not insert the probe forcibly.
- Use specified service connectors for troubleshooting.
 Using improper tools could cause an error in inspection due to poor metal contact.

Spring-loaded Lock Connector

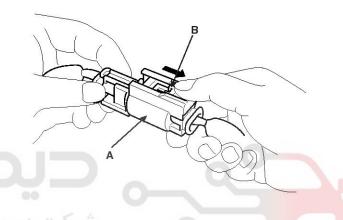
Some SRS system connectors have a spring-loaded lock.

Airbag Connector

Disconnecting

To release the lock, pull the spring-loaded sleeve (A) and he slider (B), while holding the opposite half of the connector.

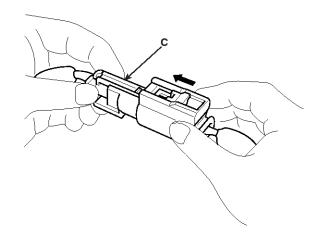
Pull the connector halves apart. Be sure to pull on the sleeve and not on the connector half.



ERKD511D

Connecting

Hold both connector halves and press firmly until the projection(C) of the sleeve-side connector clicks to lock.



ERKD511E

General Information

RT-9

Warning Lamp Activation

Warning Lamp Behavior after Ignition On

As soon as the operating voltage is applied to the SRSCM ignition input, the SRSCM activates the warning lamp for a LED lamp check.

The lamp shall turn on for 6 seconds during the initialization phase and be turned off afterward.

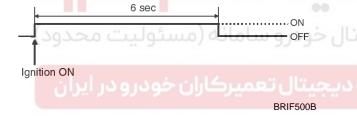
To alert the driver, the warning lamp shall turn on for 6 seconds and off for one second then on continuously after the operating voltage is applied if any active fault exists.

1. Active fault or historical fault counter is greater or equal to 10.



BRIF500A

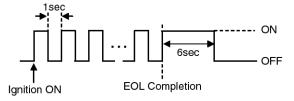
2. Normal or historical fault counter is less than 10.



 When turning the ignition switch ON during variant coding (EOL) mode, the airbag warning lamp is turned on and blinks at intervals of 1 second till the coding is completed.

If the variant coding is completed normally, the airbag warning lamp will turn on for 6 seconds, and then turned off. Otherwise the airbag warning lamp continuously blinks at intervals of 1 second.

1) In case the variant coding is normally completed



SXMRT0102L

2) In case the variant coding is not completed



SXMRT0103L

When there is active fault in airbag system or SRSCM internal fault, the variant coding (EOL) cannot be completed. In this case, perform the variant coding (EOL) procedure again after troubleshooting with the GDS.

RT-10 Restraint

SRSCM Independent Warning Lamp Activation

There are certain fault conditions in which the SRSCM cannot function and thus cannot control the operation of the standard warning lamp. In these cases, the standard warning lamp is directly activated by appropriate circuitry that operates independently of the SRSCM. These cases are:

- 1. Loss of battery supply to the SRSCM : warning lamp turned on continuously.
- 2. Loss of internal operating voltage: warning lamp turned on continuously.
- 3. Loss of Microprocessor operation : warning lamp turned on continuously.
- 4. SRSCM not connected : warning lamp turned on continuously.



Component Replacement After Deployment

Before doing any SRS repairs, use the GDS Pro to check for DTCs. Refer to the Diagnostic Trouble Code list for repairing of the related DTCs.

When the front airbag(s) deployed after a collision, replace the following items.

- SRSCM
- Deployed airbag(s)
- Seat belt pretensioner(s)
- Front impact sensors
- SRS wiring harnesses
- Crash pad (If replace the deployed PAB)
- Inspect the clock spring for heat damage.
 If any damage found, replace the clock spring.

When the side/curtain airbag(s) deployed after a collision, replace the following items.

- SRSCM
- Deployed airbag(s)
- Side impact sensor(s) for the deployed side(s)
- SRS wiring harnesses
- Seat (If replace the deployed SAB)
- Roof trim (If replace the deployed CAB)

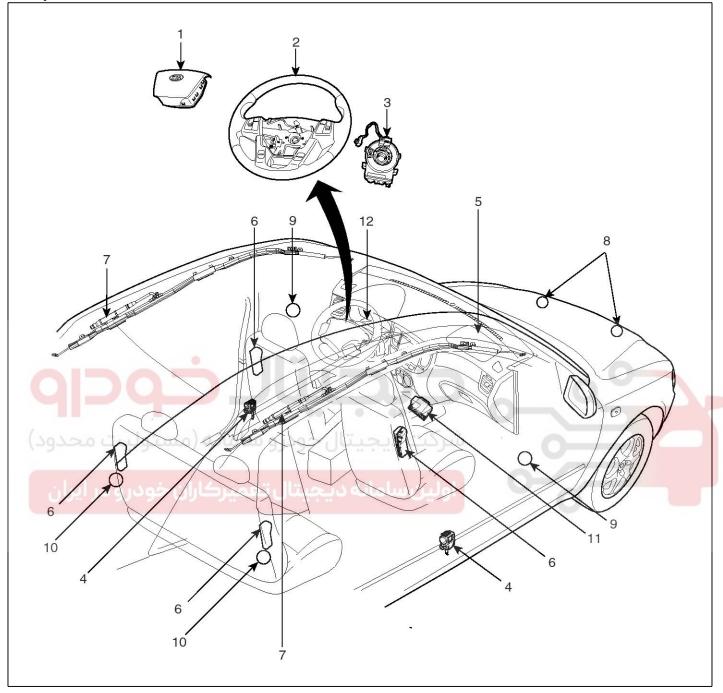
After the vehicle is completely repaired, confirm the SRS airbag system is OK.

- Turn the ignition switch ON; the SRS indicator should come on for about six seconds and then go off.

General Information

RT-11

Components



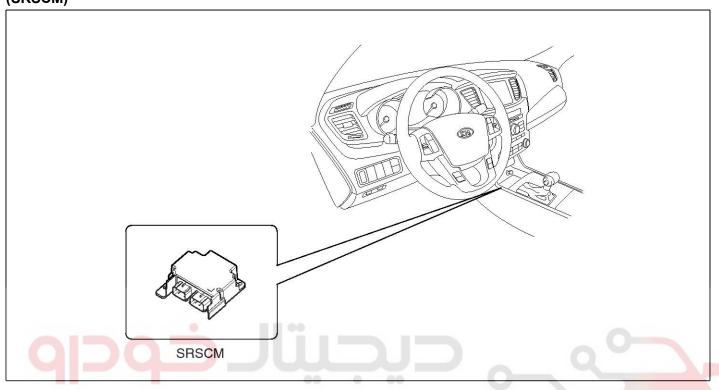
SVGRT0001D

- 1. Driver Airbag (DAB)
- 2. Steering Wheel
- 3. Clock Spring
- 4. Seat Belt Pretensioner (BPT)
- 5. Passenger Airbag (PAB)
- 6. Side Airbag (SAB)

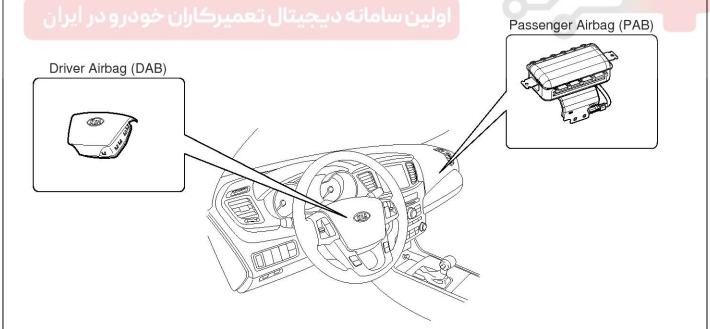
- 7. Curtain Airbag (CAB)
- 8. Front Impact Sensor (FIS)
- 9. Pressure Side Impact Sensor (P-SIS)
- 10. Rear Side Impact Sensor (RSIS)
- 11. Supplemental Restraint System Control Module(SRSCM)
- 12. Airbag Warning Lamp

RT-12 Restraint

Components Location Supplemental Restraint System Control Module (SRSCM)



Driver Airbag (DAB) / Passenger Airbag (PAB) Passenger Airbag



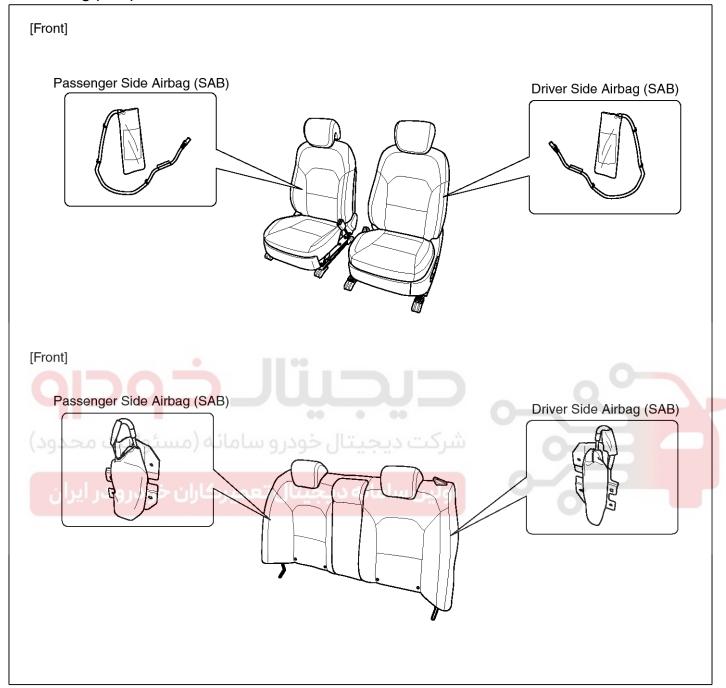
SVGRT0002L

SVGRT0010D

General Information

RT-13

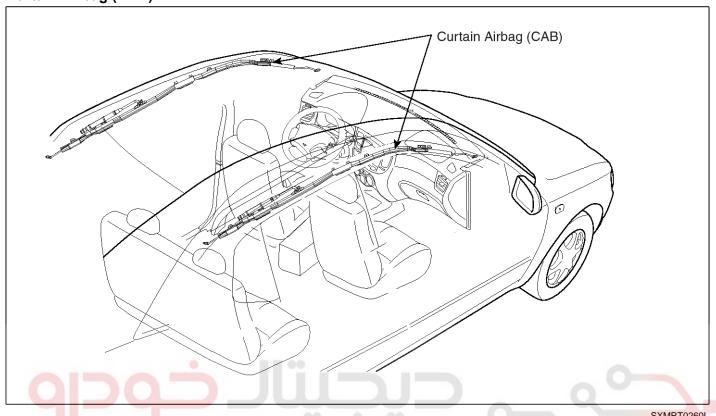
Side Airbag (SAB)



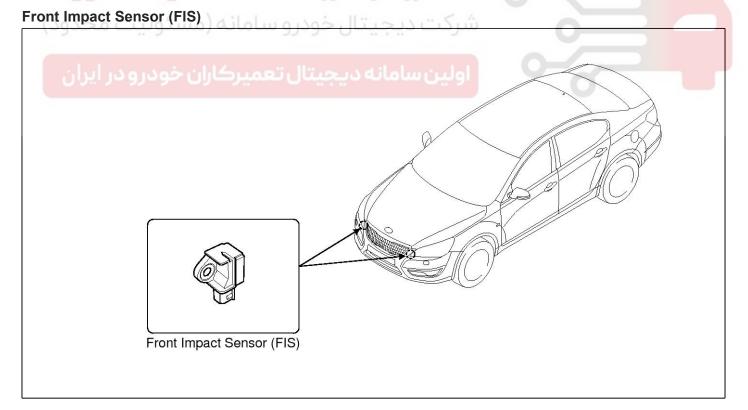
SVGRT0240L

RT-14 Restraint

Curtain Airbag (CAB)



SXMRT0260L

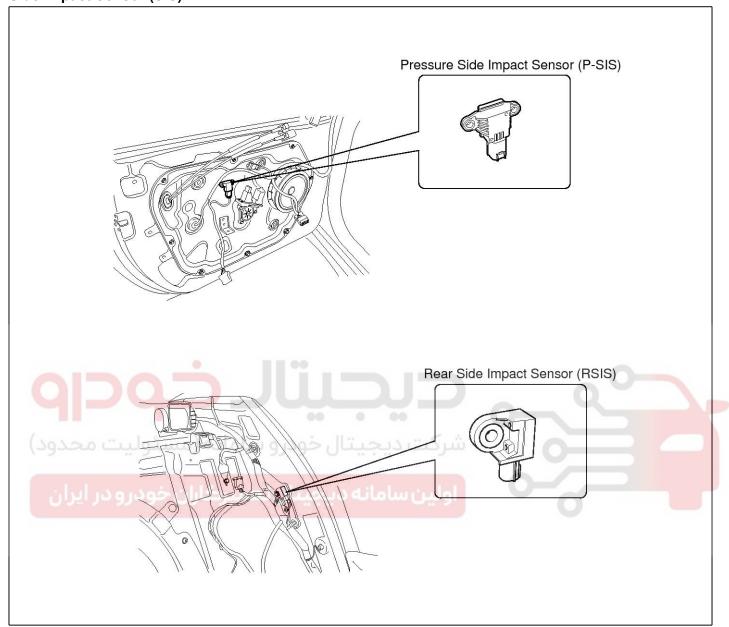


SVGRT0030L

General Information

RT-15

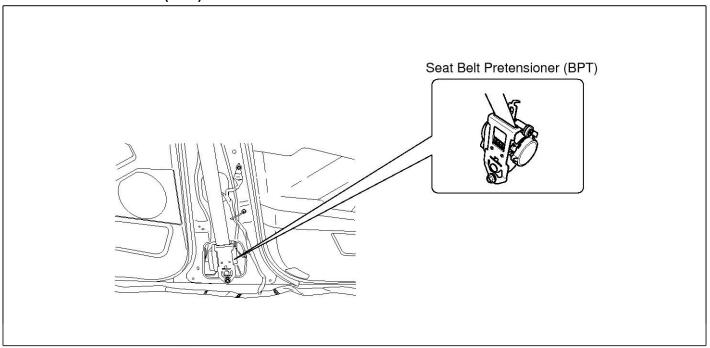
Side Impact Sensor (SIS)



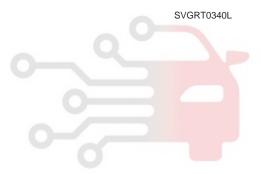
SVGRT0050L

RT-16 Restraint

Seat Belt Pretensioner (BPT)







SRSCM RT-17

SRSCM

SRS Control Module (SRSCM)

Description

The primary purpose of the SRSCM (Supplemental Restraints System Control Module) is to discriminate between an event that warrants restraint system deployment and an event that does not. The SRSCM must decide whether to deploy the restraint system or not. After determining that pretensioners and/or airbag deployment is required, the SRSCM must supply sufficient power to the pretensioners and airbag igniters to initiate deployment.

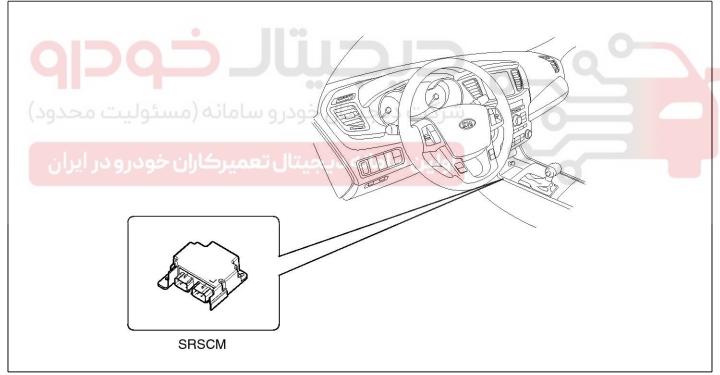
The SRSCM determines that an impact may require deployment of the pretensioners and airbags from data obtained from impact sensors and other components in conjunction with a safing function.

The SRSCM will not be ready to detect a crash or to activate the restraint system devices until the signals in the SRSCM circuitry stabilize.

It is possible that the SRSCM could activate the safety restraint devices in approximately 2 seconds but is guaranteed to fully function after prove-out is completed.

The SRSCM must perform a diagnostic routine and light a system readiness indicator at key-on. The system must perform a continuous diagnostic routine and provide fault annunciation through a warning lamp indicator in the event of fault detection. A serial diagnostic communication interface will be used to facilitate servicing of the restraint control system.

Components

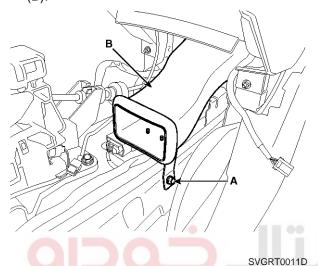


SVGRT0010D

RT-18 Restraint

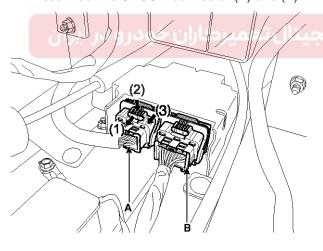
Removal

- 1. Remove the ignition key from the vehicle.
- 2. Disconnect the battery negative cable and wait for at least three minutes before beginning work.
- Remove the floor console. (Refer to the Body group console)
- 4. After removing the bolt (A), remove the rear vent duct (B).



5. Pull the lock (1) forward and the pull the lever (3) after pressing the lever lock (2).

Disconnect the SRSCM connector (A) and (B).



SVGRT0012D

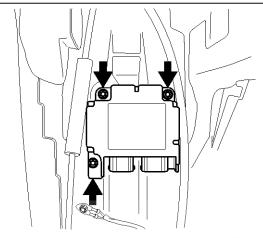
6. Remove the SRSCM mounting bolts(3EA) from the SRSCM, then remove the SRSCM.

Installation

- 1. Remove the ignition key from the vehicle.
- 2. Disconnect the battery negative cable and wait for at least three minutes before beginning work.
- 3. Install the SRSCM with the SRSCM mounting bolts.

Tightening torque

 $8.0 \sim$ 10.0 N.m (0.8 \sim 1.0 kgf.m, 5.8 \sim 7.2 lb-ft)



SVGRT0013D

MOTICE

Use new mounting bolts when replacing the SRSCM after a collision.

- 4. Connect the SRSCM harness connector.
- 5. Install the rear vent duct and floor console. (Refer to the Body group console)
- 6. Reconnect the battery negative cable.
- 7. After installing the SRSCM, confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.

SRSCM RT-19

Variant coding

After replacing the SRSCM with a new unit, the "Variant Coding" procedure must be performed.

MOTICE

- 1. On SRSCM variant coding mode, the airbag warning lamp is periodically blinking (ON: 0.5sec., OFF: 0.5sec.) until the coding is normally completed.
- 2. If the variant coding is failed, DTC B1762 (ACU Coding Error) will display and the warning lamp will be turned on

In this case, perform the variant coding procedure again after confirming the cause in "DTC Fault State Information".

Variant Coding can be performed up to 255 times, but if the number of coding work exceeds 255 times, DTC B1683 (Exceed Maximum coding Number) will be displayed and SRSCM must be replaced.

 If the battery voltage is low (less than 9V), DTC B1102 will be displayed. In this case, charge the battery before performing the variant coding procedure.

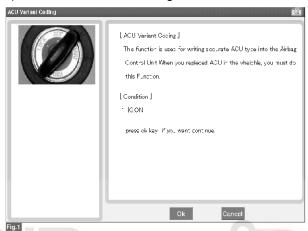
DTC B1762 (ACU Coding Error) and B1102 (Battery Voltage Low) may be displayed simultaneously.

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Variant coding Procedure

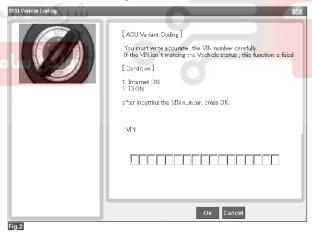
■ On-Line type on GDS

- 1. With the ignition "OFF", connect GDS.
- 2. Ignition "ON" & Engine "OFF" select vehicle name and airbag system.
- 3. Select Variant coding mode.
- 4. Follow steps on the screen as below.
- 1) Initial ACU Variant Coding screen



SBKRT9526L

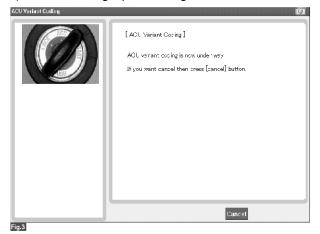
2) VIN Code entering screen



SBKRT9527L

RT-20 Restraint

3) Variant coding's proceeding screen-1



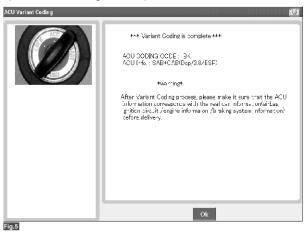
SBKRT9528L

4) Variant coding's proceeding screen-2



SBKRT9529L

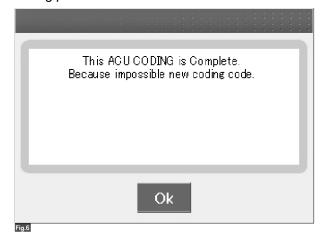
5) Variant coding is completed



SBKRT9565N

MNOTICE

1) This screen is opened when you try the variant coding again on the SRSCM that already has the variant coding performed.



SBKRT9531L

2) If communication fails, the following screen will appear.



SBKRT9532L

SRSCM RT-21

■ Off-line type on GDS (This can be used when not connecting to internet)

1) Initial ACU Variant Coding screen



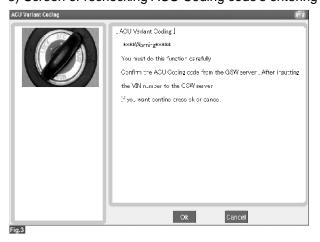
SBKRT9533L

2) ACU Coding Code entering screen



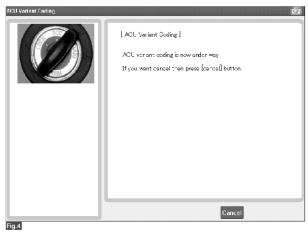
SBKRT9563N

3) Screen of rechecking ACU Coding code's entering



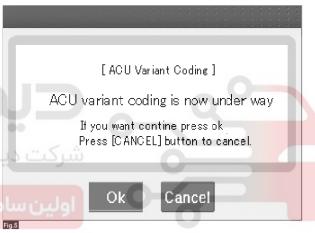
SBKRT9535L

4) Variant coding's proceeding screen-1



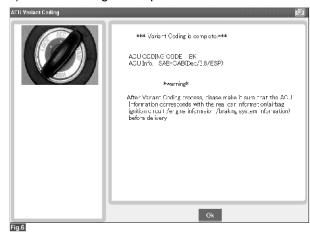
SBKRT9536L

5) Variant coding's proceeding screen-2



SBKRT9537L

6) Variant coding is completed

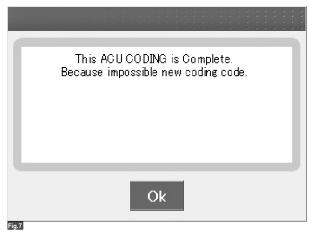


SBKRT9564N

RT-22 Restraint

MNOTICE

1) This screen is opened when you try the variant coding again on the SRSCM that already has the variant coding performed.



SBKRT9539L



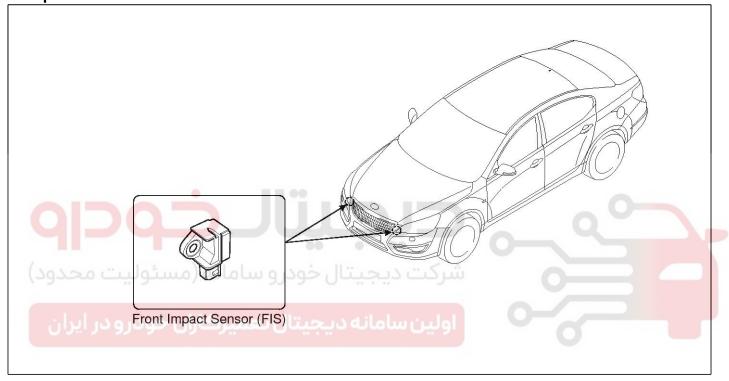
SRSCM RT-23

Front Impact Sensor (FIS)

Description

The front impact sensor (FIS) is installed in the Front End Module (FEM). They are remote sensors that detect acceleration due to a collision at its mounting location. The primary purpose of the Front Impact Sensor (FIS) is to provide an indication of a collision. The Front Impact Sensor (FIS) sends acceleration data to the SRSCM.

Components



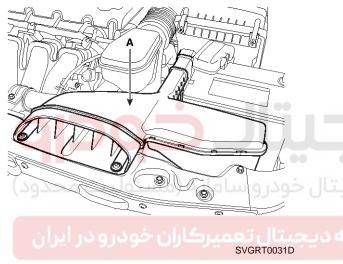
SVGRT0030L

RT-24 Restraint

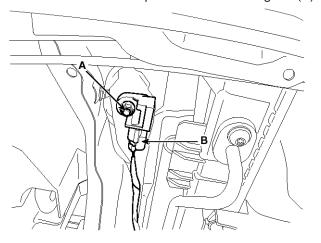
Removal

ACAUTION

- Removal of the airbag must be performed according to the precautions/ procedures described previously.
- Before disconnecting the front impact sensor connector, disconnect the front airbag connector(s).
- Do not turn the ignition switch ON and do not connect the battery cable while replacing the front impact sensor.
- 1. Disconnect the battery negative cable, and wait for at least three minutes before beginning work.
- 2. Remove the air duct (A).



3. Remove the front impact sensor mounting nut (A).



SVGRT0032D

- 4. Disconnect the front impact sensor connector (B).
- 5. Remove the front impact sensor.

Installation

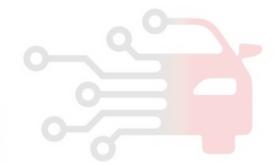
CAUTION

- Do not turn the ignition switch ON and do not contact the battery cable while replacing the front impact sensor.
- 1. Install the new front impact sensor.
- 2. Tighten the front impact sensor mounting nut.

Tightening torque:

 $7.8 \sim 9.8 \text{ N.m} (0.8 \sim 1.0 \text{ kgf.m}, 5.8 \sim 7.2 \text{ lb-ft})$

- 3. Connect the front impact sensor connector.
- 4. Reconnect the battery negative cable.
- 5. After installing the Front Impact Sensor, confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.



SRSCM RT-25

Side Impact Sensor (SIS)

Description

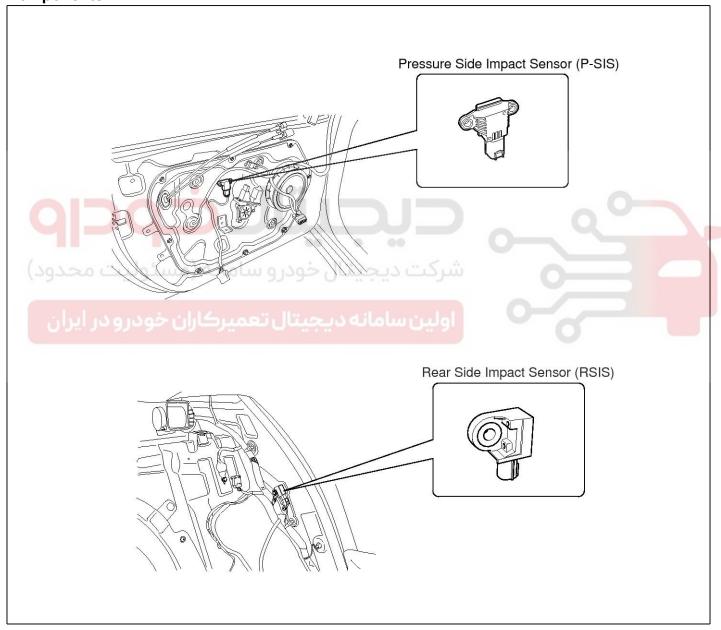
Side Impact Sensor (SIS) system consists of two P-SIS which are installed at each center of the front door module (LH and RH) and two SIS which are installed at each rear pillar nearby (LH and RH).

Side Pressure Sensor is also called P-SIS because it detects pressure due to collision at its mounting location.

Side Impact Sensor is also called A-SIS because it detects acceleration.

SRSCM decides deployment of the airbag and the time of deployment through the collision signal of the SIS when the collision occurred.

Components



SVGRT0050L

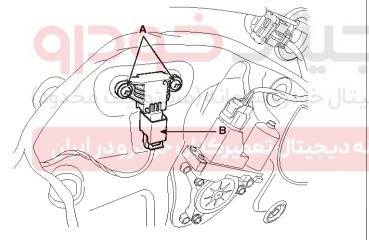
RT-26 Restraint

Removal

Pressure Side Impact Sensor

ACAUTION

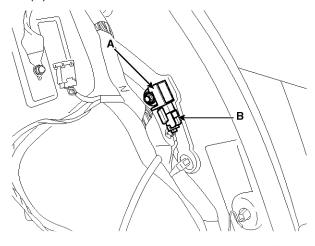
- Removal of the airbag must be performed according to the precautions/procedures described previously.
- Before disconnecting the side impact sensor connector(s), disconnect the side airbag connector(s).
- Do not turn the ignition switch ON and do not connect the battery cable while replacing the side impact sensor.
- 1. Disconnect the battery negative cable, and wait for at least three minutes before beginning work.
- 2. Remove the front door trim. (Refer to the Body group-Front door)
- 3. Disconnect the pressure side impact sensor connector (B) and remove the pressure side impact sensor mounting screws (A).



SVGRT0051D

Rear Side Impact Sensor

- 1. Disconnect the battery negative cable and wait for at least three minutes before beginning work.
- Remove the rear seat back assembly. (Refer to the Body group - Rear seat)
- Disconnect the rear side impact sensor connector (B).



SVGRT0052D

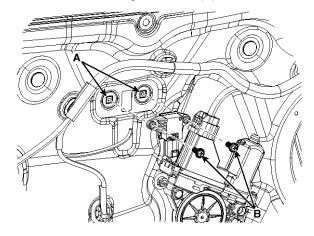
4. Loosen the rear side impact sensor mounting bolt and remove the rear side impact sensor (A).

SRSCM RT-27

Installation

Pressure Side Impact Sensor

1. Install the screw gromments (A).



SVGRT0053D

ACAUTION

- Do not reuse the screw gromments (A), whenever installing.
- 2. Install the new pressure side impact sensor with the screws (B) then connect the pressure side impact sensor connector.

Tightening torque:

 $1.1 \sim 1.3$ N.m (0.11 \sim 0.13 kgf.m, 0.7 \sim 1.0 lb-ft)

- Install the front door trim. (Refer to the Body group-Front door)
- 4. Reconnect the battery negative cable.
- 5. After installing the pressure side impact sensor, confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.

⚠CAUTION

- You must comply with the specified tightening torques with the tool specified because Pressure – Side Impact Sensors (P-SIS) may be broken or screw gromment may be rotated.
- Problems may be occurred in the durability of P-SIS or impact sensing performance may be depreciated if screw gromment is rotated.
- The door module must not be transformed because SRSCM judges a impact through the pressure sensor in the door module.

Rear Side Impact Sensor

CAUTION

- Do not turn the ignition switch ON and do not connect the battery cable while replacing the side impact sensor.
- Install the new rear side impact sensor with a bolt and then connect the rear side impact sensor connector.

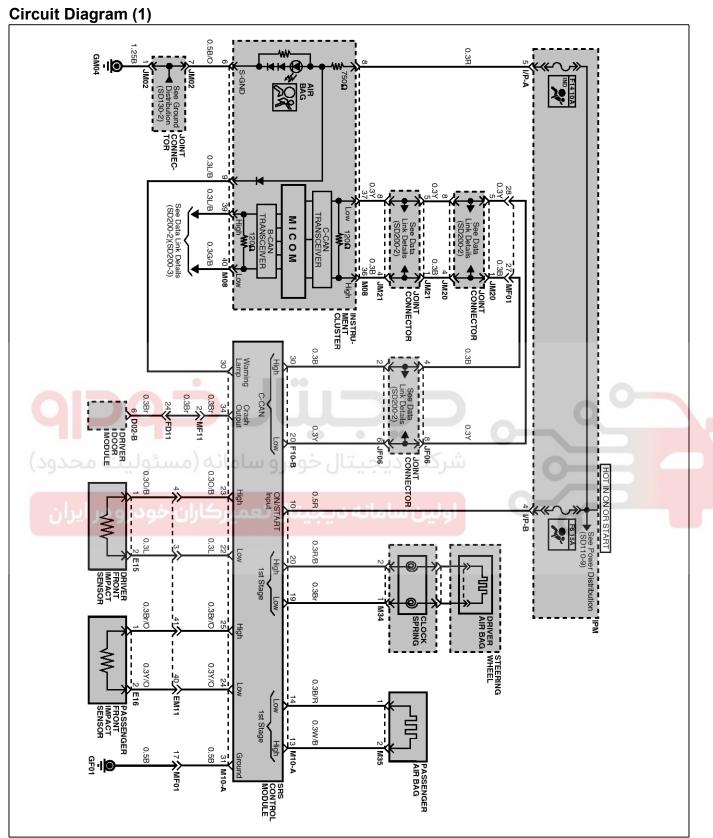
Tightening torque:

 $7.8 \sim 9.8 \text{ N.m} (0.8 \sim 1.0 \text{ kgf.m}, 5.8 \sim 7.2 \text{ lb-ft})$

- 2. Install the rear seat (Refer to the Body group Rear seat)
- 3. Reconnect the battery negative cable.
- 4. After installing the Side Impact Sensor, confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.



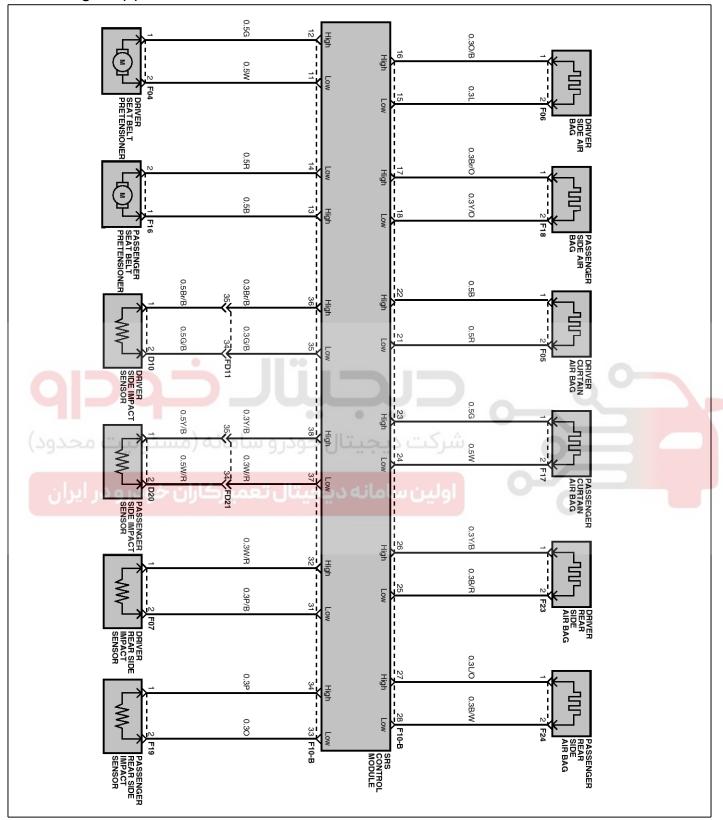
RT-28 Restraint



SVGRT0003L

SRSCM RT-29

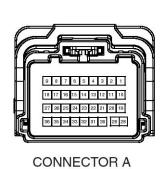
Circuit Diagram (2)

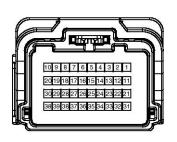


SVGRT0004L

RT-30 Restraint

Harness Connector





CONNECTOR B

SXMRT0107L

14 (1st stage) Passenger Airbag Low 15 - 15 Side Airbag [Front - Driver] Low 16 - 16 Side Airbag [Front - Driver] High 17 - 17 Side Airbag [Front - Passenger] High 18 - 18 Side Airbag [Front - Passenger] How 19 (1st stage) Driver Airbag Low 19 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 23 Front Impact Sensor [Driver] High 24 Curtain Airbag [Passenger] High 25 Curtain Airbag [Passenger] High	Pin	Function (Connector A)	Pin	Function (Connector B)
3	1	-	1	-
4 - 6 - 6 - 7 - 6 - 7 - 7 - 7 - 8 - 7 - 7 - 7 - 8 - 7 - 7	2	-	2	-
Seat Belt Pretensioner [Front - Driver] Low	3	-	3	-
6	4		4	- 0
8 - 8 - 10 Ignition 10 Ignition 10 Seat Belt Pretensioner [Front - Driver] Low 12 Seat Belt Pretensioner [Front - Driver] High 13 (1st stage) Passenger Airbag High 13 Seat belt Pretensioner [Front - Passenger] High 14 (1st stage) Passenger Airbag Low 14 Seat belt Pretensioner [Front - Passenger] Low 15 Side Airbag [Front - Driver] Low 16 Side Airbag [Front - Driver] High 17 - 16 Side Airbag [Front - Passenger] High 18 Side Airbag [Front - Passenger] Low 19 (1st stage) Driver Airbag Low 19 CAN_Low 19 (1st stage) Driver Airbag High 20 CAN_Low 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] High 23 Curtain Airbag [Passenger] High	5		5	
8	6	-	600	
9 Isage Is	حدو د)	نال خودر و سامانه (مسئولیت م	ت درجین	شرک
10 Ignition 10 - 11 - 11 Seat Belt Pretensioner [Front - Driver] Low 12 - 12 Seat Belt Pretensioner [Front - Driver] High 13 (1st stage) Passenger Airbag High 13 Seat belt Pretensioner [Front - Passenger] High 14 (1st stage) Passenger Airbag Low 14 Seat belt Pretensioner [Front - Passenger] Low 15 - 15 Side Airbag [Front - Driver] Low 16 - 16 Side Airbag [Front - Passenger] High 17 - 17 Side Airbag [Front - Passenger] Low 19 (1st stage) Driver Airbag Low 19 - 20 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 22 Curtain Airbag [Passenger] High 23 Front Impact Sensor [Driver] High 23 Curtain Airbag [Passenger] High	8	-	8	
11	9	دیجیتال تعمیرکاران خودرو در ا	ن سعمانه	اوليا
12	10	Ignition	10	<u> </u>
13 (1st stage) Passenger Airbag High 14 (1st stage) Passenger Airbag Low 15 - 15 Side Airbag [Front - Driver] Low 16 - 16 Side Airbag [Front - Driver] High 17 - 17 Side Airbag [Front - Passenger] High 18 - 18 Side Airbag [Front - Passenger] Low 19 (1st stage) Driver Airbag Low 19 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] High 23 Front Impact Sensor [Driver] High 24 Seat belt Pretensioner [Front - Passenger] High 25 Side Airbag [Front - Driver] High 26 CAN_Low 27 Curtain Airbag [Driver] Low 28 Curtain Airbag [Driver] High 29 Curtain Airbag [Driver] High	11	-	11	Seat Belt Pretensioner [Front - Driver] Low
14 (1st stage) Passenger Airbag Low 15 - 15 Side Airbag [Front - Driver] Low 16 - 16 Side Airbag [Front - Driver] High 17 - 17 Side Airbag [Front - Passenger] High 18 - 18 Side Airbag [Front - Passenger] How 19 (1st stage) Driver Airbag Low 19 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 23 Front Impact Sensor [Driver] High 24 Curtain Airbag [Passenger] High 25 Curtain Airbag [Passenger] High	12	-	12	Seat Belt Pretensioner [Front - Driver] High
15 - 15 Side Airbag [Front - Driver] Low 16 - 16 Side Airbag [Front - Driver] High 17 - 17 Side Airbag [Front - Passenger] High 18 - 18 Side Airbag [Front - Passenger] Low 19 (1st stage) Driver Airbag Low 19 20 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 23 Front Impact Sensor [Driver] High 24 Curtain Airbag [Driver] High 25 Curtain Airbag [Passenger] High	13	(1st stage) Passenger Airbag High	13	Seat belt Pretensioner [Front - Passenger] High
16 Side Airbag [Front - Driver] High 17 - 17 Side Airbag [Front - Passenger] High 18 - 18 Side Airbag [Front - Passenger] Low 19 (1st stage) Driver Airbag Low 19 20 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 23 Front Impact Sensor [Driver] High 24 Curtain Airbag [Driver] High 25 Curtain Airbag [Passenger] High	14	(1st stage) Passenger Airbag Low	14	Seat belt Pretensioner [Front - Passenger] Low
17	15	-	15	Side Airbag [Front - Driver] Low
18 - 18 Side Airbag [Front - Passenger] Low 19 (1st stage) Driver Airbag Low 19	16	-	16	Side Airbag [Front - Driver] High
19 (1st stage) Driver Airbag Low 20 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 23 Front Impact Sensor [Driver] High 24 Curtain Airbag [Driver] High 25 Curtain Airbag [Passenger] High	17	-	17	Side Airbag [Front - Passenger] High
20 (1st stage) Driver Airbag High 20 CAN_Low 21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 22 Curtain Airbag [Driver] High 23 Front Impact Sensor [Driver] High 23 Curtain Airbag [Passenger] High	18	-	18	Side Airbag [Front - Passenger] Low
21 - 21 Curtain Airbag [Driver] Low 22 Front Impact Sensor [Driver] Low 22 Curtain Airbag [Driver] High 23 Front Impact Sensor [Driver] High 23 Curtain Airbag [Passenger] High	19	(1st stage) Driver Airbag Low	19	-
22 Front Impact Sensor [Driver] Low 22 Curtain Airbag [Driver] High 23 Front Impact Sensor [Driver] High 23 Curtain Airbag [Passenger] High	20	(1st stage) Driver Airbag High	20	CAN_Low
23 Front Impact Sensor [Driver] High 23 Curtain Airbag [Passenger] High	21	-	21	Curtain Airbag [Driver] Low
	22	Front Impact Sensor [Driver] Low	22	Curtain Airbag [Driver] High
	23	Front Impact Sensor [Driver] High	23	Curtain Airbag [Passenger] High
24 Front Impact Sensor [Passenger] Low 24 Curtain Airbag [Passenger] Low	24	Front Impact Sensor [Passenger] Low	24	Curtain Airbag [Passenger] Low

SRSCM RT-31

Pin	Function (Connector A)	Pin	Function (Connector B)
25	Front Impact Sensor [Passenger] High	25	Side Airbag [Rear - Driver] Low
26	-	26	Side Airbag [Rear - Driver] High
27	-	27	Side Airbag [Rear - Passenger] High
28	Short Bar	28	Side Airbag [Rear - Passenger] Low
29	Short Bar	29	-
30	Airbag Warning Lamp	30	CAN_High
31	Ground	31	Side Impact Sensor [Rear - Driver] Low
32	-	32	Side Impact Sensor [Rear - Driver] High
33	-	33	Side Impact Sensor [Rear - Passenger] Low
34	Crash Output	34	Side Impact Sensor [Rear - Passenger] High
35	-	35	Side Impact Sensor [Front - Driver] Low
36	-	36	Side Impact Sensor [Front - Driver] High
		37	Side Impact Sensor [Front - Passenger] Low
		38	Side Impact Sensor [Front - Passenger] High
		39	- 0-
		40	

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

RT-32 Restraint

Airbag Module

Driver Airbag (DAB) Module and Clock Spring

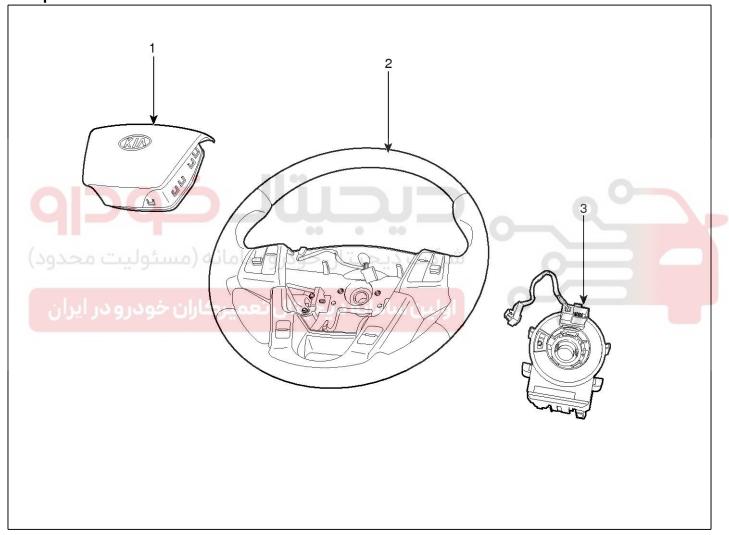
Description

Driver Airbag (DAB) is installed in the steering wheel and electrically connected to SRSCM via the clock spring. It protects the driver by deploying the airbag when frontal crash occurs. The SRSCM determines deployment of the Driver Airbag (DAB).

ACAUTION

Never attempt to measure the circuit resistance of the airbag module (squib) even if you are using the specified tester. If the circuit resistance is measured with a tester, accidental airbag deployment will result in serious personal injury.

Components



SVGRT0200D

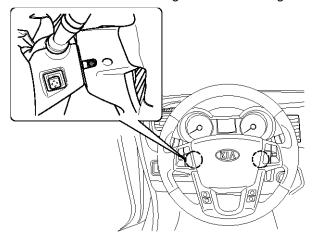
- 1. Driver Airbag (DAB)
- 2. Steering Wheel
- 3. Clock Spring

Airbag Module

RT-33

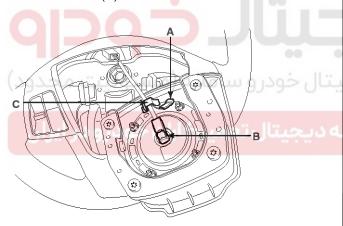
Removal

- 1. Disconnect the battery negative cable and wait for at least three minutes before beginning work.
- 2. Remove the driver airbag module mounting bolts.



SVGRT0201D

3. Remove the wiring fixing clip(C) and disconnect the horn connector (A).



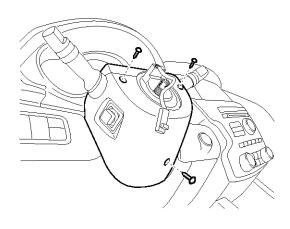
SXMRT9202D

4. Release the connector locking pin, then disconnect the driver airbag module connector(B).

ACAUTION

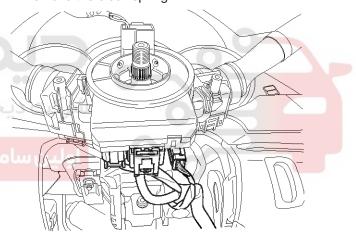
The removed airbag module should be stored in a clean, dry place with the pad cover facing up.

Remove the steering wheel and steering wheel column shroud. (Refer to the Steering System group-Steering Column and Shaft)



SVGRT0203D

6. Disconnect the clock spring and horn connector, then remove the clock spring.



SVGRT0204D

RT-34 Restraint

Inspection

Driver Airbag (DAB)

If any improper parts are found during the following inspection, replace the airbag module with a new one.

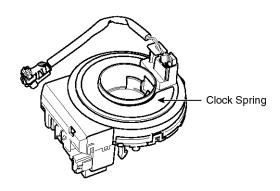
ACAUTION

Never attempt to measure the circuit resistance of the airbag module (squib) even if you are using the specified tester. If the circuit resistance is measured with a tester, accidental airbag deployment will result in serious personal injury.

- 1. Check pad cover for dents, cracks or deformities.
- 2. Check the airbag module for denting, cracking or deformation.
- 3. Check hooks and connectors for damage, terminals for deformities, and harness for binds.
- 4. Check airbag inflator case for dents, cracks or deformities.

Clock Spring

- 1. If, as a result of the following checks, even one abnormal point is discovered, replace the clock spring with a new one.
- 2. Check connectors and protective tube for damage, and terminals for deformities.



SHDRT6008L



SVGRT0206D

5. Install the airbag module to the steering wheel to check for fit or alignment with the wheel.

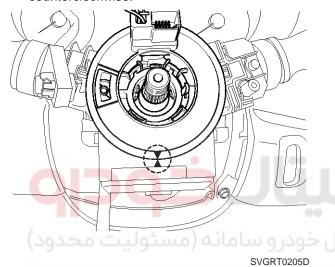


Airbag Module

RT-35

Installation

- 1. Remove the ignition key from the vehicle.
- Disconnect the battery negative cable from battery and wait for at least three minutes before beginning work.
- 3. Connect the clock spring harness connector and horn harness connector to the clock spring.
- 4. Set the center position by setting the marks between the clock spring and the cover into line. The mark (▶ ◀) should be matched by turning the clock spring clockwise to the stop and then 2.0 revolutions counterclockwise.

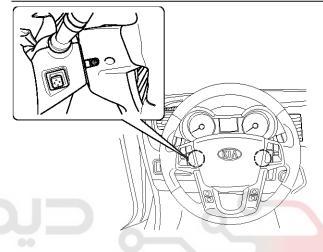


دیجیتال تعمیرکاران خودرو در ایران

- Install the steering wheel column shroud and the steering wheel. (Refer to the Steering System group-Steering Column and Shaft)
- 6. Connect the driver airbag (DAB) module connector and horn connector, and then install the driver airbag (DAB) module on the steering wheel.
- 7. Secure the driver airbag (DAB) with the new mounting bolts.

Tightening torque:

7.8 $^{\sim}$ 10.8 N.m (0.8 $^{\sim}$ 1.1 kgf.m, 5.8 $^{\sim}$ 8.0 lb-ft)



SVGRT0201D

- 8. Connect the battery negative cable.
- After installing the driver airbag, confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.
 - Make sure horn button works.

RT-36 Restraint

Passenger Airbag (PAB) Module

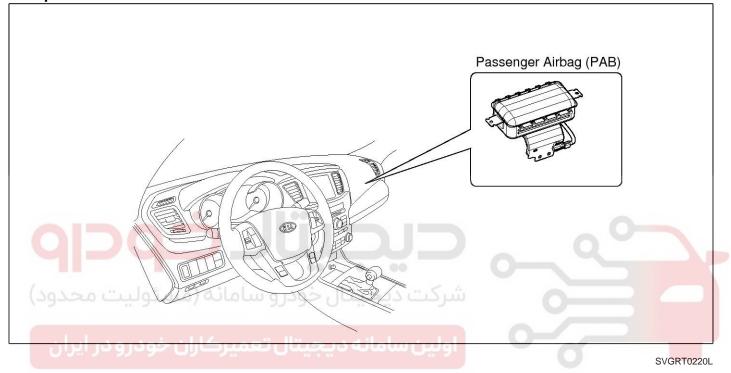
Description

The passenger airbag (PAB) is installed inside the crash pad and protects the front passenger in the event of a frontal crash. The SRSCM determines if and when to deploy the PAB.

ACAUTION

Never attempt to measure the circuit resistance of the airbag module (squib) even if you are using the specified tester. If the circuit resistance is measured with a tester, accidental airbag deployment will result in serious personal injury.

Components

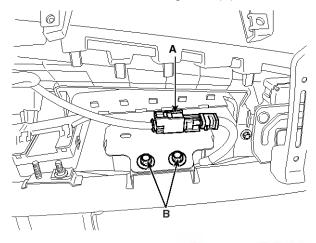


Airbag Module

RT-37

Removal

- 1. Disconnect the battery negative cable and wait for at least three minutes before beginning work.
- 2. Remove the glove box assembly. (Refer to the Body group- crash pad).
- 3. Disconnect the passenger airbag connector (A) and remove the PAB mounting bolts (B).



SVGRT0221D

4. Remove the crash pad. (Refer to the Body group-crash pad).

MOTICE

Replace the crash pad which that has been damaged after the PAB has been deployed.

- 5. Remove the heater duct from the crash pad.
- 6. Remove the mounting bolts from the crash pad. And then remove the passenger airbag.

ACAUTION

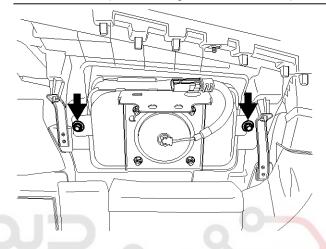
The removed airbag module should be stored in a clean, dry place with the airbag cushion up.

Installation

- 1. Remove the ignition key from the vehicle.
- Disconnect the battery negative cable from battery and wait for at least three minutes before beginning work.
- 3. Place the passenger airbag on the crash pad and tighten the passenger airbag mounting bolts.

Tightening torque:

 $8.0 \sim 12.0 \text{ N.m}$ (0.8 $\sim 1.2 \text{ kgf.m}$, 5.8 $\sim 8.7 \text{ lb-ft}$)



SVGRT0222D

- 4. Install the heater duct to the crash pad.
- Install the crash pad. (Refer to the Body group- crash pad)
- Tighten the passenger airbag crash pad mounting bolts.

Tightening torque:

 $7.8 \sim 11.8 \text{ N.m} (0.8 \sim 1.2 \text{ kgf.m}, 5.8 \sim 8.7 \text{ lb-ft})$

- 7. Connect the passenger airbag harness connector to the SRS main harness connector.
- 8. Reinstall the glove box assembly. (Refer to the Body group- crash pad)
- 9. Reconnect the battery negative cable.
- 10. After installing the passenger airbag (PAB), confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.

RT-38 Restraint

Side Airbag (SAB) Module

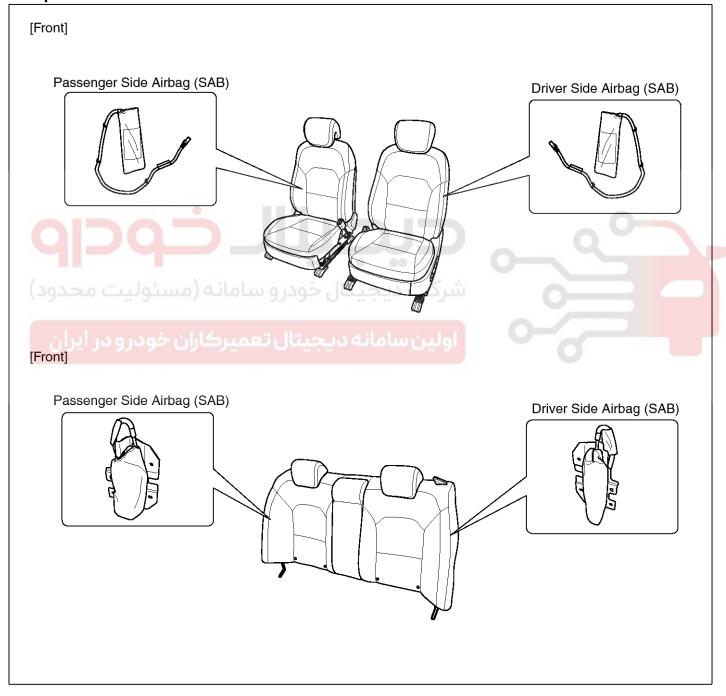
Description

The Side Airbags (SAB) are installed inside the front and rear seat and protects the driver and passenger from danger when side crash occurs. The SRSCM determines deployment of side airbag by using Side Impact Sensor (SIS) signal.

ACAUTION

Never attempt to measure the circuit resistance of the airbag module (squib) even if you are using the specified tester. If the circuit resistance is measured with a tester, accidental airbag deployment will result in serious personal injury.

Components



SVGRT0240L

Airbag Module

RT-39

Removal

Front Side Airbag

MOTICE

The side airbag cannot be disassembled from the seat back assembly, so replace the seat back assembly when replacing the side airbag.

- 1. Disconnect the battery negative cable and wait for at least 3 minutes before beginning work.
- 2. Remove the front seat assembly. (Refer to the Body group- Seat)
- 3. Remove the seat back assembly. (Refer to the Body group- Seat)

Rear Side Airbag

MOTICE

The side airbag cannot be disassembled from the seat back assembly, so replace the seat back assembly when replacing the side airbag.

- 1. Disconnect the battery negative cable and wait for at least 3 minutes before beginning work.
- 2. Remove the rear seat cushion. (Refer to the Body group- Seat)
- 3. Remove the rear seat back assembly. (Refer to the Body group- Seat)





RT-40 Restraint

Installation Front Side Airbag

ACAUTION

Be sure to install the harness wires so they will not pinch or interfere with other parts.

MNOTICE

- Do not open the lid of the side airbag cover.
- Make sure that the airbag assembly cover is installed properly. Improper installation may prevent the proper deployment.
- 1. Remove the ignition key from the vehicle.
- 2. Disconnect the battery negative cable and wait for at least three minutes.
- Install the new seat back assembly.(Refer to the Body group Seat)
- Install the front seat assembly.
 (Refer to the Body group Seat)
- Recline and slide the front seat forward fully, make sure the harness wires are not pinched of interfere with other parts.
- 6. Reconnect the battery negative cable.
- After installing the side airbag (SAB), confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.

Rear Side Airbag

ACAUTION

Be sure to install the harness wires so they will not pinch or interfere with other parts.

MOTICE

- Do not open the lid of the side airbag cover.
- Make sure that the airbag assembly cover is installed properly. Improper installation may prevent the proper deployment.
- 1. Remove the ignition key from the vehicle.
- 2. Disconnect the battery negative cable and wait for at least three minutes.
- Install the new rear seat back assembly.(Refer to the Body group Seat)
- Install the rear seat cushion.
 (Refer to the Body group Seat)
- 5. Reconnect the battery negative cable.
- After installing the side airbag (SAB), confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.

Airbag Module

RT-41

Curtain Airbag (CAB) Module

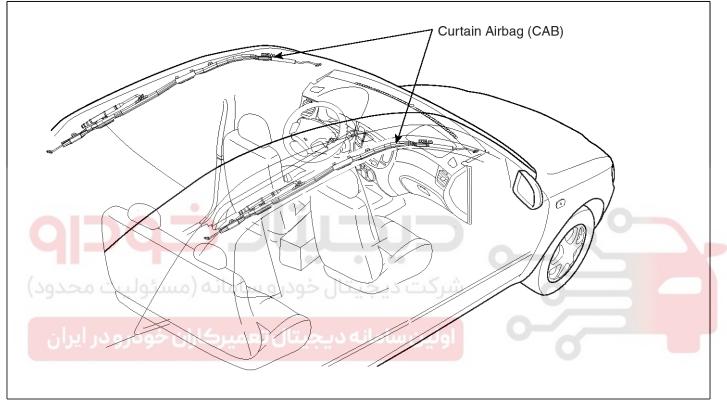
Description

Curtain airbags are installed inside the headliner (LH and RH) and protect the driver and passenger from danger when side crash occurs. The SRSCM determines deployment of curtain airbag by using side impact sensor (SIS) signal.

ACAUTION

Never attempt to measure the circuit resistance of the airbag module even if you are using the specified tester. If the circuit resistance is measured with a tester, accidental airbag deployment will result in serious personal injury.

Components

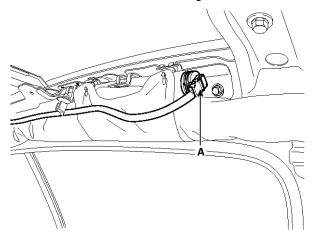


SXMRT0260L

RT-42 Restraint

Removal

- 1. Disconnect the battery negative cable and wait for at least 3 minutes before beginning work.
- 2. Remove the roof trim. (Refer to the Body group-Interior)
- 3. Disconnect the curtain airbag harness connector (A).



SVGRT0261D

4. After loosening the mounting bolts and nuts remove the curtain airbag.

Installation

- 1. Remove the ignition key from the vehicle.
- 2. Disconnect the battery negative cable and wait for at least three minutes.
- 3. Tighten the curtain airbag mounting bolts and nuts.

Tightening torque:

Bolts : 9.8 \sim 14.7 N.m (1.0 \sim 1.5 kgf.m, 7.2 \sim 10.8 lb-ft) Nuts : 7.8 \sim 11.8 N.m (0.8 \sim 1.2 kgf.m, 5.8 \sim 8.7 lb-ft)

⚠CAUTION

- Never twist the airbag module during installation. If the airbag module is twisted, it may not operate as designed.
- 4. Connect the curtain airbag connector.
- 5. Install the roof trim. (Refer to the Body group-Interior)
- 6. Reconnect the battery negative cable.
- 7. After installing the curtain airbag (CAB), confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.



Airbag Module

RT-43

Airbag Module Disposal

Airbag Disposal Special tool required

Deployment tool 0957A-34100A

Before scrapping any airbags or side airbags (including those installed in vehicle to be scrapped), the airbags or side airbags must be deployed. If the vehicle is still within the warranty period, before deploying the airbags or side airbags, the Technical Manager must give approval and/or special instruction. Only after the airbags or side airbags have been deployed (as the result of vehicle collision, for example), can they be scrapped. If the airbags or side airbags appear intact (not deployed), treat them with extreme caution. Follow these procedures:

Deploying airbags in the vehicle

If an SRS equipped vehicle is to be entirely scrapped, the airbags or side airbags should be deployed while still in the vehicle. The airbags or side airbags should not be considered as salvageable parts and should never be installed in another vehicle.

- Turn the ignition switch OFF, and disconnect the battery negative cable and wait at least three minutes.
- 2. Confirm that each airbag or side airbag is securely mounted.
- 3. Confirm that the special tool is functioning properly by following the check procedure.
 - 1) Driver's Airbag:
 - Remove the driver's airbag and install the SST (0957A-3S100).
 - Install the driver's airbag on the steering wheel.
 - 2) Front Passenger's Airbag:
 - Remove the glove box housing, and then disconnect the connector between the front passenger's airbag and SRS main harness.
 - Install the SST(0957A-3F100).
 - 3) Side Airbag:
 - Disconnect the 2P connector between the side airbag and wire harness.
 - Install the SST (0957A-3F100).

4) Curtain Airbag:

- Disconnect the 2P connector between the curtain airbag and wire harness.
- Install the SST (0957A-3S100).
- 5) Seat Belt Pretensioner:
 - Disconnect the 2P connector from the seat belt pretensioner.
 - Install the SST (0957A-3S100).
- 4. Place the deployment tool at least thirty feet (10meters) away from the airbag.
- 5. Connect a 12 volt battery to the tool.
- Push the tool's deployment switch. The airbag should deploy (deployment is both highly audible and visible: a loud noise and rapid inflation of the bag, followed by slow deflation)
- Dispose of the complete airbag. No parts can be reused. Place it in a sturdy plastic bag and seal it securely.

Deploying the airbag out of the vehicle

If an intact airbag has been removed from a scrapped vehicle, or has been found defective or damage during transit, storage or service, it should be deployed as follows:

- 1. Confirm that the special tool is functioning properly by following the check procedure on this page.
- Position the airbag facing up, outdoors on flat ground at least thirty feet (10meters) from any obstacles or people.

Disposal of damaged airbag

- 1. If installed in a vehicle, follow the removal procedure of driver's airbag, front passenger's and side airbag.
- 2. In all cases, make a short circuit by twisting together the two airbag inflator wires.
- 3. Package the airbag in exactly the same packing that the new replacement part came in.

RT-44 Restraint

Seat Belt Pretensioner

Seat Belt Pretensioner (BPT)

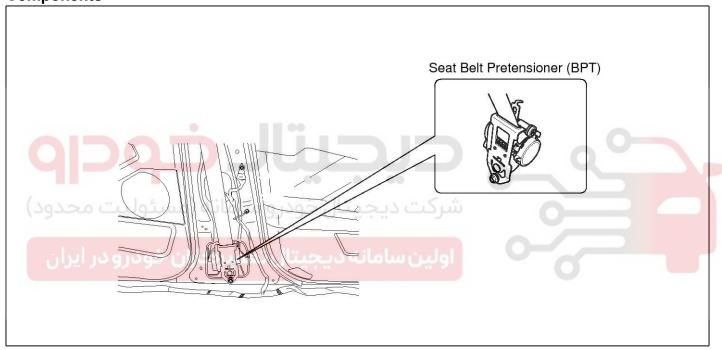
Description

The Seat Belt Pretensioners (BPT) are installed inside Center Pillar (LH & RH). When a vehicle crashes with a certain degree of frontal impact, the pretensioner seat belt helps to reduce the severity of injury to the front seat occupants by retracting the seat belt webbing. This prevents the front occupants from thrusting forward and hitting the steering wheel or the instrument panel when the vehicle crashes.

ACAUTION

Never attempt to measure the circuit resistance of the Seat Belt Pretensioner (BPT) even if you are using the specified tester. If the circuit resistance is measured with a tester, the pretensioner will be ignited accidentally. This will result in serious personal injury.

Components



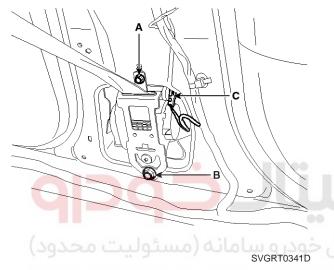
SVGRT0340L

Seat Belt Pretensioner

RT-45

Removal

- 1. Disconnect the battery negative cable, and wait for at least three minutes before beginning work.
- 2. Remove the lower anchor bolt.
- 3. Remove the door scuff trim. (Refer to the Body group-Interior trim)
- 4. Remove the center pillar trim. (Refer to the Body group-Interior trim)
- 5. Remove the upper anchor bolt.
- 6. Loosen the seat belt pretensioner mounting bolts (A, B) and remove the seat belt pretensioner.



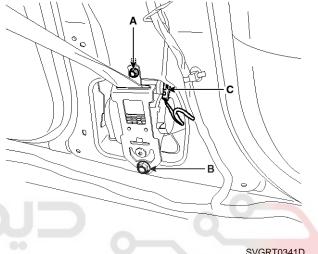
7. Disconnect the seat belt pretensioner connector (C).

Installation

- 1. Remove the ignition key from the vehicle.
- 2. Disconnect the battery negative cable and wait for at least three minutes.
- 3. Connect the seat belt pretensioner connector (C).
- 4. Install the seat belt pretensioner with bolts (A,B).

Tightening torque:

Bolt B: $39.2 \sim 53.9$ N.m $(4.0 \sim 5.5$ kgf.m, $28.9 \sim 39.8$ lb-ft)



SVGRT0341D

5. Install the upper anchor bolt.

Tightening torque:

39.2~53.9 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~39.8 lb-ft)

- 6. Install the center pillar trim. (Refer to the Body group-Interior trim)
- 7. Install the door scuff trim. (Refer to the Body group-Interior trim)
- 8. Install the lower anchor bolt.

Tightening torque:

 $39.2 \sim 53.9 \text{ N.m} (4.0 \sim 5.5 \text{ kgf.m}, 28.9 \sim 39.8 \text{ lb-ft})$

- 9. Reconnect the battery negative cable.
- 10. After installing the seat belt pretensioner, confirm proper system operation:
 - Turn the ignition switch ON; the SRS indicator light should be turned on for about six seconds and then go off.