

NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the engine start/stop SW is pushed to the "OFF" position and the negative (-) terminal cable is disconnected from the battery.**  
(The SRS is equipped with a back-up power source so that if work is started within 90 seconds from disconnecting the negative (-) terminal cable of the battery, the SRS may deploy.)
- When the negative (-) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back-up power supply from outside the vehicle.
- Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.
- Do not expose the following parts directly to hot air or flame;
- Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected;
- Never use SRS parts from another vehicle. When replacing parts, replace with new parts.
- For the purpose of reuse, never disassemble and repair the following parts.
- If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector, replace with new one.
- Use a volt/ohmmeter with high impedance (10 k $\Omega$ /V minimum) for troubleshooting electrical circuits of the system.
- Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

- \* Steering wheel pad
- \* Knee airbag assembly
- \* Front passenger's airbag assembly
- \* Side airbag assembly
- \* Curtain shield airbag assembly
- \* Front seat outer belt
- \* Airbag sensor assembly center
- \* Front airbag sensor assembly
- \* Side airbag sensor assembly

## System Outline

The SRS is a driver and passenger protection device which has a supplemental role to the seat belts.

When the engine start/stop SW is pushed to IG ON position, the current from the IGN fuse flows to TERMINAL (B) 5 of the airbag sensor assembly center.

If an accident occurs while driving, when the frontal impact exceeds a set level, the current from the IGN fuse flows to TERMINALS (B) 14, (B) 16, (B) 10, (B) 8, (C) 12, (A) 8 and (C) 9 of the airbag sensor assembly center to the airbag squibs and the front seat outer belts to TERMINALS (B) 13, (B) 17, (B) 11, (B) 7, (C) 11, (A) 7 and (C) 10 of the airbag sensor assembly center to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, so that current flows to the airbag squibs and the front seat outer belts and causes them to operate.

When the side impact also exceeds a set level, the current from the IGN fuse flows to TERMINALS (A) 12, (C) 5, (A) 9 and (C) 8 of the airbag sensor assembly center to the side airbag squibs and the curtain shield airbag squibs TERMINALS (A) 11, (C) 6, (A) 10 and (C) 7 of the airbag sensor assembly center to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, causing side airbag squibs and curtain shield airbag squibs to operate.

The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.

The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.

Side airbags are instantaneously expanded to soften the shock of side to the driver and front passenger.

The curtain shield airbag can ease an impact on the head of the front and rear passengers and reduce risks of injury.

In a head-on crash, the driver moves forward and may strike his/her lower limbs against the instrument panel, etc. The knee airbag is equipped to protect the lower limbs of the driver in head-on crashes.

The front seat outer belts make sure of the seat belt restrainability.

## ○ : Parts Location

Code		See Page		Code		See Page		Code		See Page			
A6		40 (*1)		B8		44 (LHD)		H11		B		45 (LHD)	
		42 (*2)				54 (RHD)						55 (RHD)	
		50 (*3)		C14		44 (LHD)		I8		45 (LHD)			
		52 (*4)				54 (RHD)				55 (RHD)			
A7		40 (*1)		C20		48 (LHD)		J4		45 (LHD)			
		42 (*2)				58 (RHD)				55 (RHD)			
		50 (*3)		C21		48 (LHD)		K5		46 (LHD)			
		52 (*4)				58 (RHD)				56 (RHD)			
A20		44 (LHD)		D5		45 (LHD)		S20		49 (LHD)			
		54 (RHD)				55 (RHD)				59 (RHD)			
A21	A	44 (LHD)		E4	A	45 (LHD)		S21		49 (LHD)			
		54 (RHD)				55 (RHD)				59 (RHD)			
A22	B	44 (LHD)		E5	B	45 (LHD)		S22		49 (LHD)			
		54 (RHD)				55 (RHD)				59 (RHD)			
A23	C	44 (LHD)		F11		48 (LHD)		S23		49 (LHD)			
		54 (RHD)				58 (RHD)				59 (RHD)			
A24	A	44 (LHD)		F13		48 (LHD)		S24		49 (LHD)			
		54 (RHD)				58 (RHD)				59 (RHD)			
A25	B	44 (LHD)		F14		48 (LHD)		S25		49 (LHD)			
		54 (RHD)				58 (RHD)				59 (RHD)			
A26		44 (LHD)		H10	A	45 (LHD)		T16		47 (LHD)			
		54 (RHD)				55 (RHD)				57 (RHD)			

## ○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28	Fuse Block (Lower Finish Panel)

\* 1 : LHD 1ZZ-FE, 3ZZ-FE    \* 2 : LHD 1CD-FTV    \* 3 : RHD 1ZZ-FE, 3ZZ-FE    \* 4 : RHD 1CD-FTV    \* 5 : 1ZZ-FE, 3ZZ-FE    \* 6 : 1CD-FTV

**: Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	36 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
	36 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF	36 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
	36 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CG	37 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
	37 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CH	37 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
	37 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CJ	37 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
	37 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
DA	32	Instrument Panel Wire and Instrument Panel J/B (Left Side of the Instrument Panel)
DB		
DD		

**: Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA7	64 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	74 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IE1	64 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	74 (RHD)	
IE2	64 (LHD)	
	74 (RHD)	
IH1	66 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Near the Front Passenger's Airbag Assembly)
	76 (RHD)	
IM1	66 (LHD)	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
	76 (RHD)	

**: Ground Points**

Code	See Page	Ground Points Location
II	64 (LHD)	Left Kick Panel
	74 (RHD)	
IJ	64 (LHD)	Behind the Combination Meter
	74 (RHD)	
IM	64 (LHD)	Right Kick Panel
	74 (RHD)	