

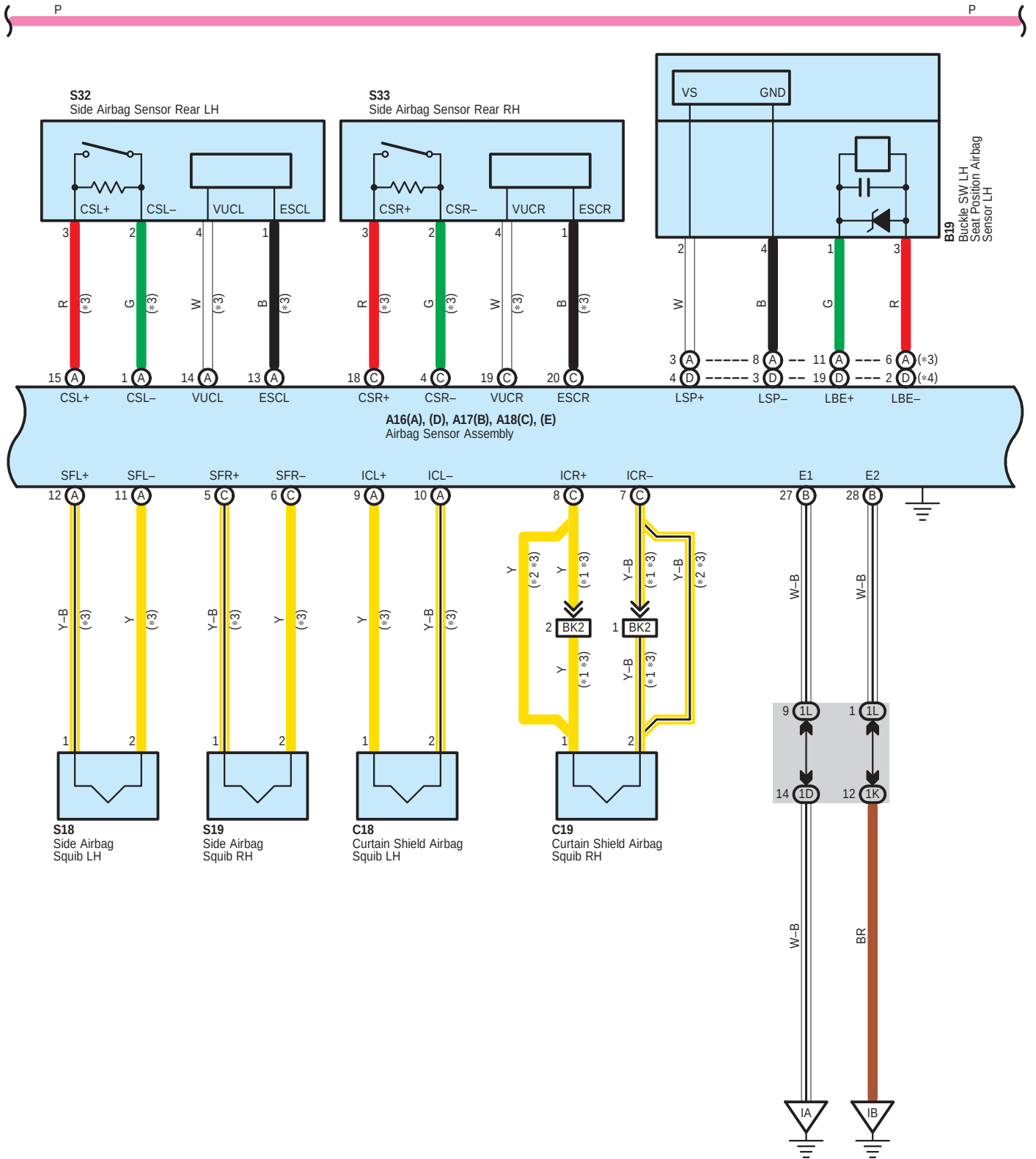
NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

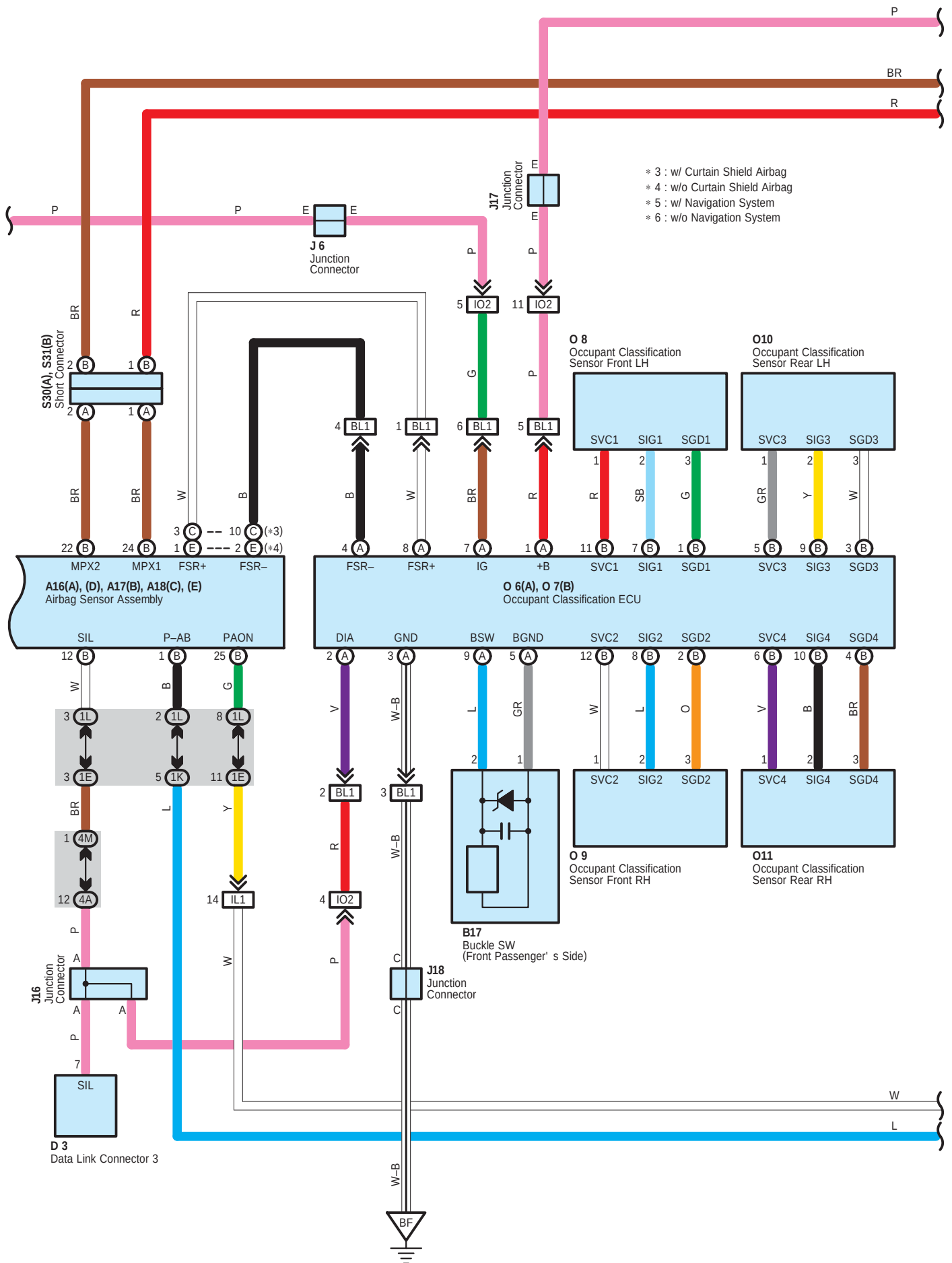
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the ignition SW is turned to the "LOCK" 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 Ω /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.

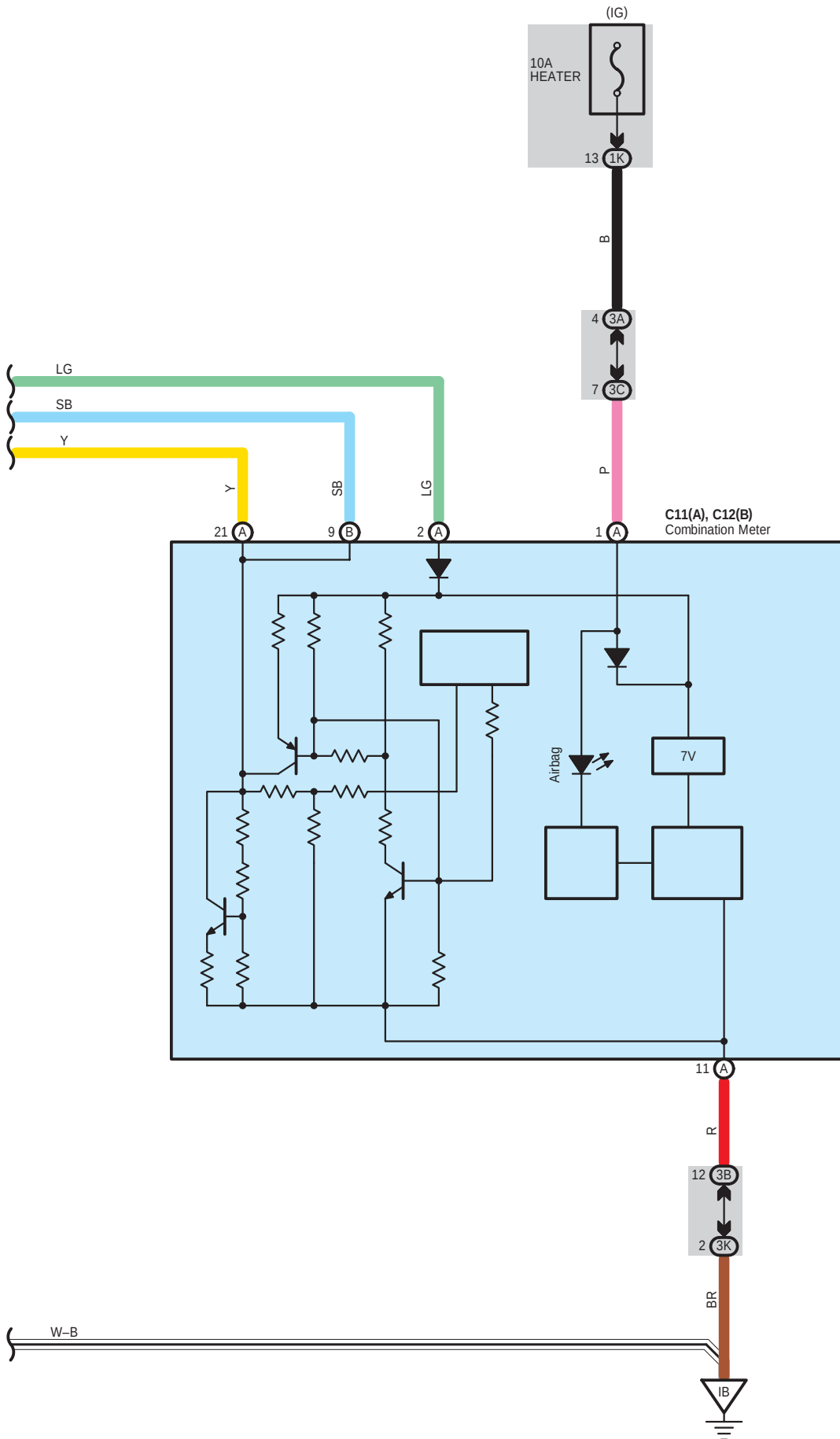
- * Steering wheel pad
- * Front passenger airbag assembly
- * Side airbag assembly
- * Curtain shield airbag assembly
- * Seat belt pretensioner
- * Center airbag sensor assembly
- * Front airbag sensor assembly
- * Side airbag sensor assembly
- * Rear airbag sensor assembly



- * 1 : w/ Rear Seat Entertainment System
- * 2 : w/o Rear Seat Entertainment System
- * 3 : w/ Curtain Shield Airbag
- * 4 : w/o Curtain Shield Airbag







System Outline

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

When the ignition SW is turned to ON, the current from the IGN fuse flows to TERMINAL (B) 5 of the airbag sensor assembly.

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, (A) 8 (w/ curtain shield airbag), or (A) 2 (w/o curtain shield airbag) and (C) 9 (w/ curtain shield airbag), or (C) 5 (w/o curtain shield airbag) of the airbag sensor assembly to the airbag squibs and the pretensioners to TERMINALS (B) 13, (B) 17, (B) 11, (B) 7, (A) 7 (w/ curtain shield airbag), or (A) 1 (w/o curtain shield airbag) and (C) 10 (w/ curtain shield airbag), or (C) 6 (w/o curtain shield airbag) of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, so that current flows to the airbag squibs and the pretensioners 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 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 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, the key cylinder, etc.

The pretensioners make sure of the seat belt restrainability.

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A8		38 (3MZ-FE)	C11	A	42	O10		46 (*1)
		40 (2AZ-FE)	C12	B	42			47 (*2)
A9		38 (3MZ-FE)	C18		44	O11		46 (*1)
		40 (2AZ-FE)	C19		44			47 (*2)
A10	A	42	D3		42	P5		44
A11	B	42	E6	B	42	P13		44
A16	A	42	G5		43	P14		44
	D	42	J6		43	S16		45
A17	B	42	J16		43	S17		45
A18	C	42	J17		43	S18		46 (*1)
	E	42	J18		44			47 (*2)
A19		42	O6	A	46 (*1)	S19		46 (*1)
A20		42			47 (*2)			47 (*2)
B9	A	42	O7	B	46 (*1)	S30	A	43
B10	B	42			47 (*2)	S31	B	43
B17		46 (*1)	O8		46 (*1)	S32		45
		47 (*2)			47 (*2)	S33		45
B19		46 (*1)	O9		46 (*1)	T15		43
		47 (*2)			47 (*2)			

* 1 : w/ Power Seat * 2 : w/o Power Seat



: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	29	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1E		
1G		
1K	28	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1L	29	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
2A	27	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	30	Instrument Panel Wire and Center J/B (Behind the Instrument Panel Center)
3B		
3C		
3E		
3F		
3J	31	
3K		
4A	33	Cowl Wire and Passenger Side J/B (Right Side of Grove Box)
4E		
4F		
4M	32	



: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB2	50	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC3	50	Engine Room Main Wire and Cowl Wire (Left Cowl Side Panel)
IF3	50	Instrument Panel Wire and Cowl Wire (Right Side of Instrument Panel J/B)
IK1	51	Engine Room Main Wire and Cowl Wire (Right Cowl Side Panel)
IL1	51	Instrument Panel Wire and Cowl Wire (Upper Side of Passenger Side J/B)
IL2		
IO2	51	Cowl Wire and Floor Wire (Right Kick Panel)
BK2	52	Roof No.2 Wire and Floor Wire (Right Rear Quarter Panel)
BL1	54 (*1)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)
	55 (*2)	



: Ground Points

Code	See Page	Ground Points Location
IA	50	Left Cowl Side Panel
IB	50	Right Instrument Panel Brace
BF	52	Near the Rear Side Marker Light RH

* 1 : w/ Power Seat * 2 : w/o Power Seat

