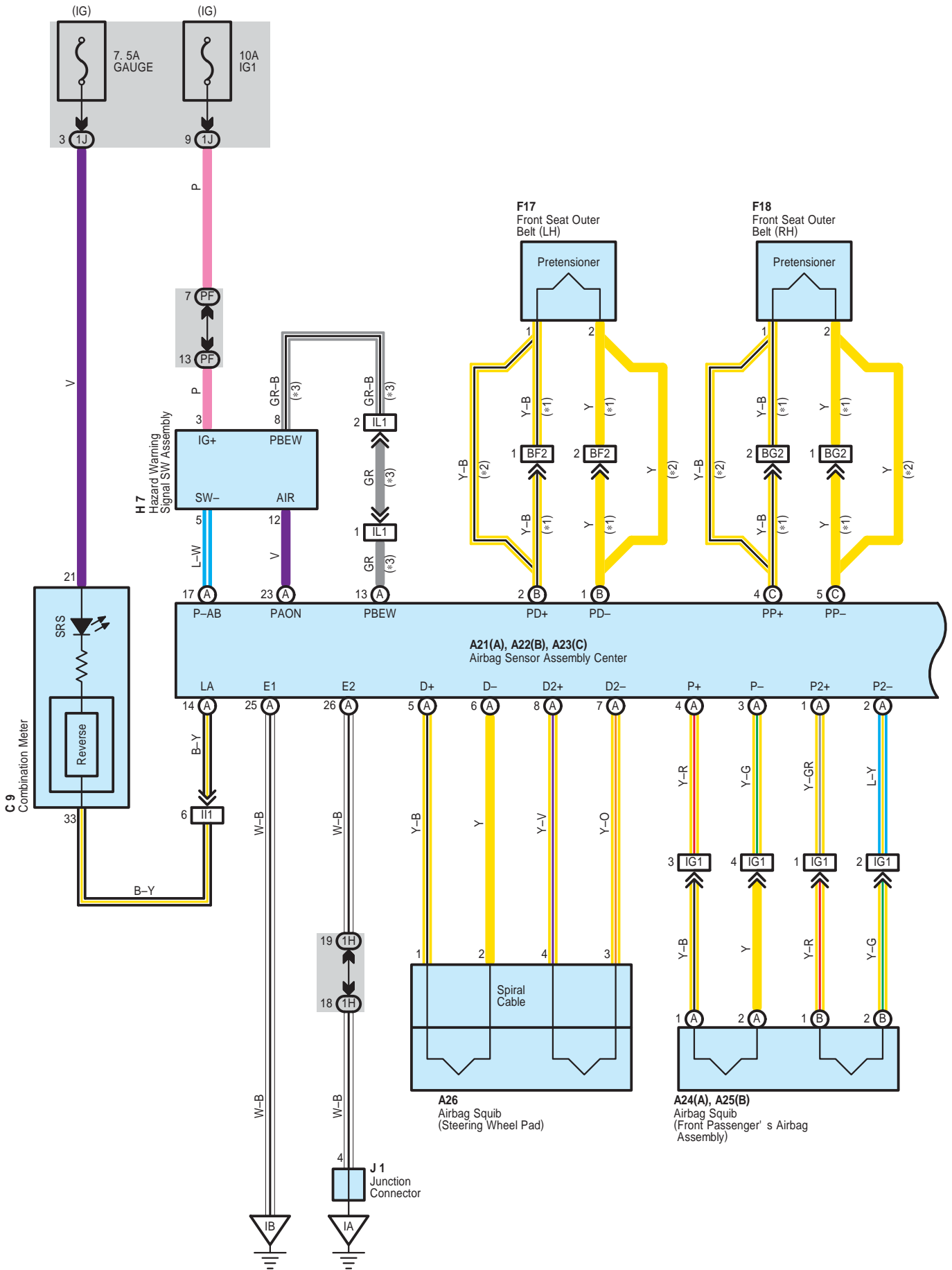


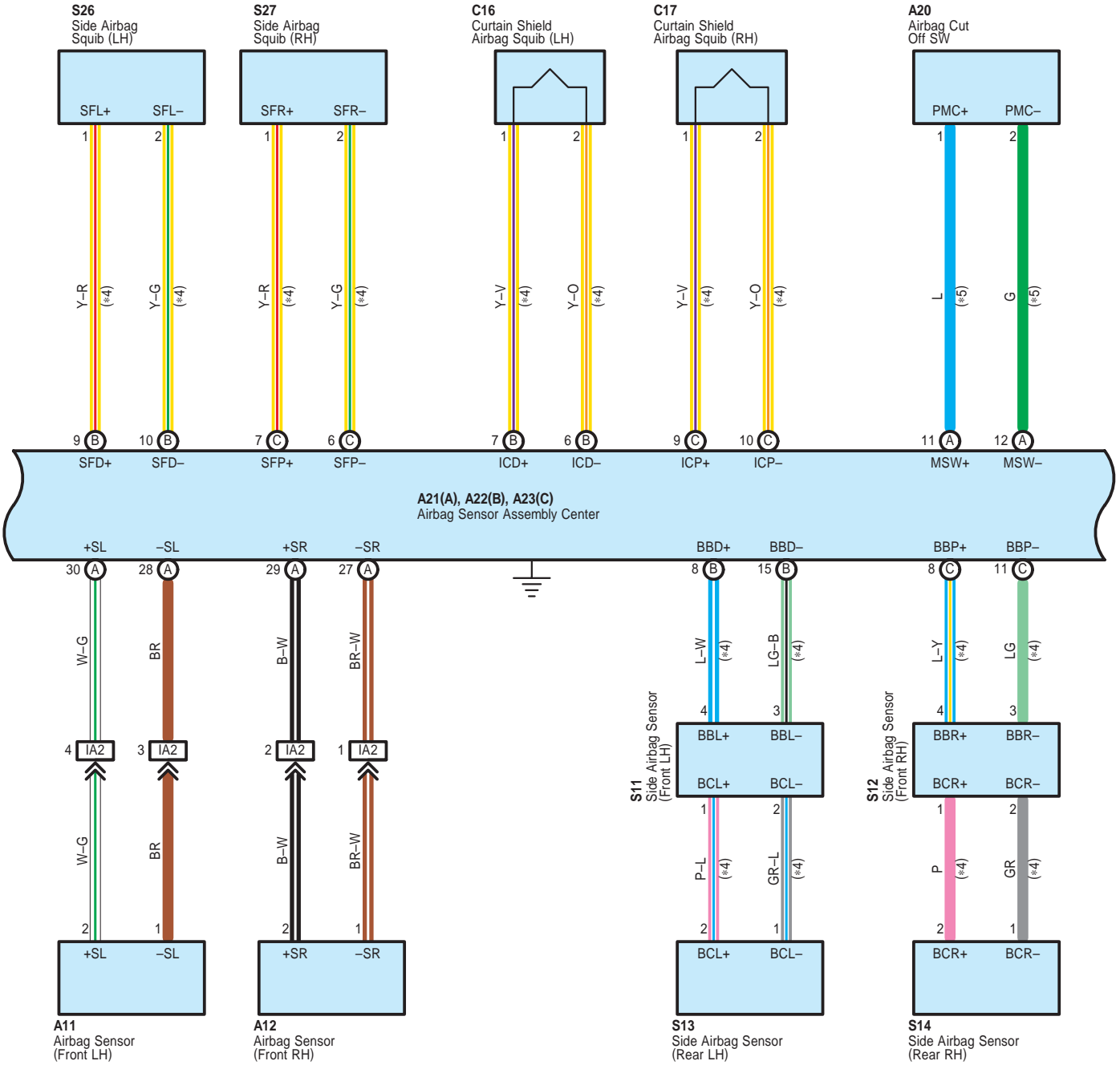
NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

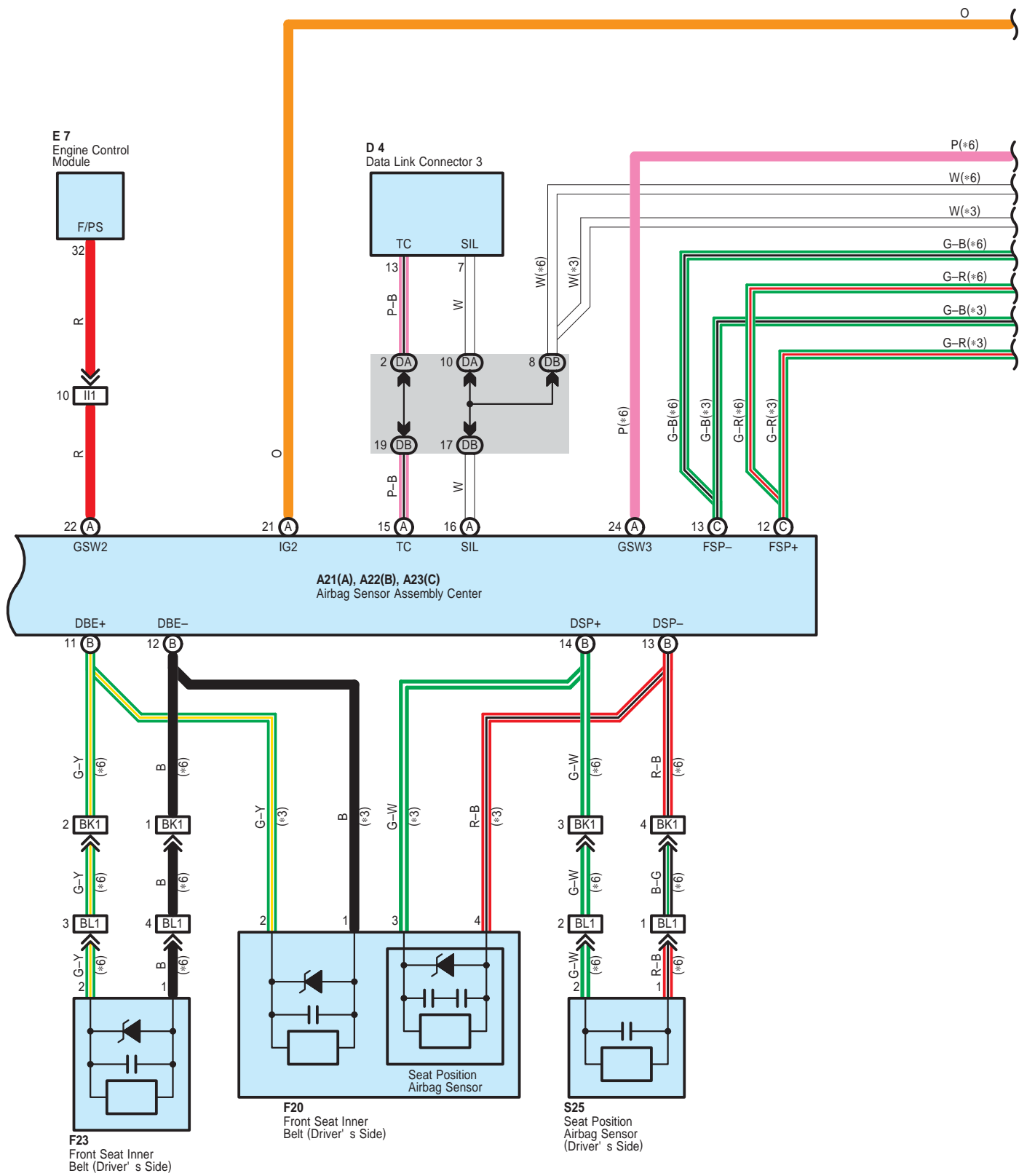
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the ignition SW is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

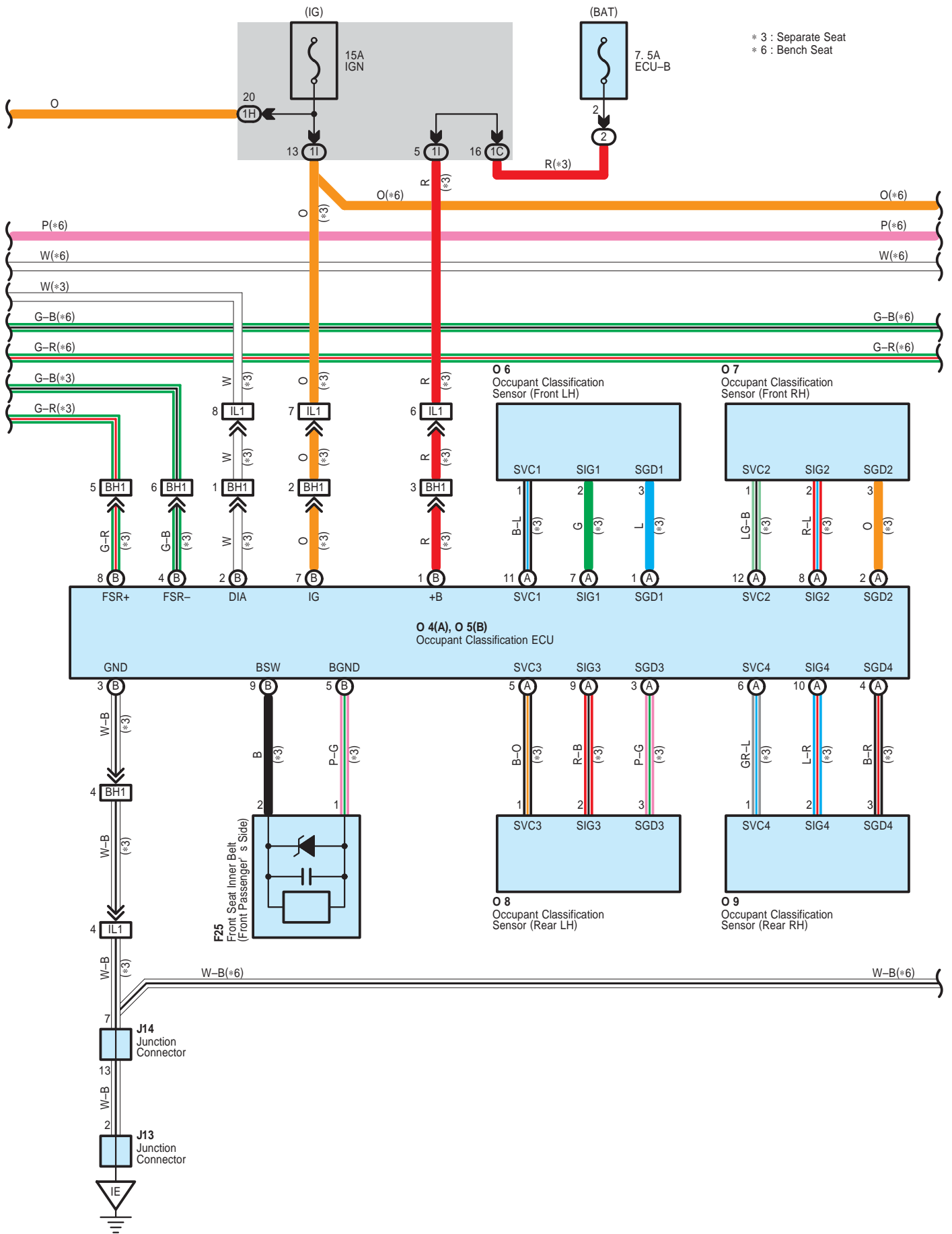
- * Steering wheel pad
- * Front passenger airbag assembly
- * Side airbag assembly
- * Curtain shield airbag assembly
- * Seat belt pretensioner
- * Center airbag sensor assembly
- * Front airbag sensor assembly
- * Side airbag sensor assembly
- * Rear airbag sensor assembly



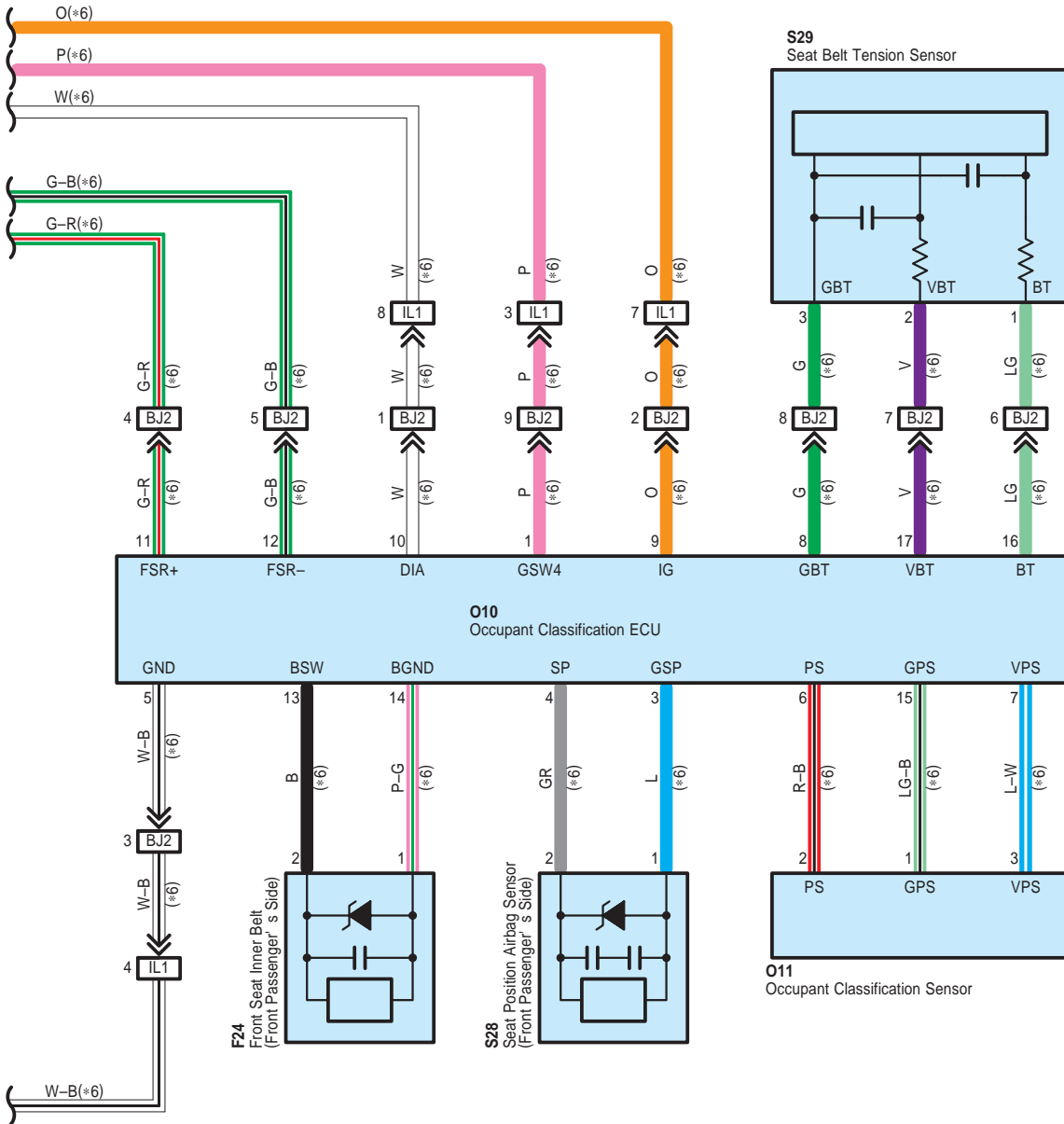
- * 1 : Access Cab
- * 2 : Except Access Cab
- * 3 : Separate Seat
- * 4 : w/ Side Airbag
- * 5 : Except Double Cab







* 6 : Bench Seat



System Outline

- * The system reaches an ignition judgment to deploy the following device based on the signals received from the front airbag sensor and deceleration sensor.
 - Driver Airbag
 - Front Passenger Airbag
 - Seat Belt Pretensioner
- * The system reaches an ignition judgment to deploy the following device based on the signals received from the side airbag sensors.
 - Side Airbags
 - Curtain Shield Airbags
- * The dual-stage SRS airbag system has been used for the driver and front passenger airbags. This system controls the optimal airbag inflation by judging the extent of impact, seat position (driver seat), whether or not the seat belt is fastened (driver seat) and information from the front passenger occupant classification system.
- * The front passenger occupant classification system judges whether the front passenger seat is occupied by an adult or child (with child seat) or is unoccupied, according to the load applied to the front passenger seat and whether the seat belt is buckled. Based on the results, it restricts the deployment of the front passenger airbag, front passenger side airbag, and front passenger seat belt pretensioner. In addition, the system informs the driver of the result of the judgment through the use of the AIRBAG ON/OFF indicator lights.
- * The front passenger occupant classification system judges whether the front passenger seat is occupied by an adult or child (with child seat) or is unoccupied, according to the load applied to the front passenger seat, seat position (passenger), the load applied to the belt tension sensor (passenger), and whether the seat belt is buckled (passenger). Based on the results, it restricts the deployment of the front passenger airbag, front passenger side airbag, and front passenger seat belt pretensioner. In addition, the system informs the driver of the result of the judgment through the use of the AIRBAG ON/OFF indicator lights.
- * The airbag manual ON–OFF switch is used to disable the deployment of the front and side airbags for the front passenger, such as when a child seat is installed on the front passenger seat.
- * The airbag sensor assembly transmits a signal to the engine control module in order to stop the fuel pump when the airbag is deployed.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A11	40 (1GR–FE)	F17	46 (*1)	O6	50 (*4)
	42 (2TR–FE)		48 (*2)	O7	50 (*4)
A12	40 (1GR–FE)		49 (*3)	O8	50 (*4)
	42 (2TR–FE)	F18	46 (*1)	O9	50 (*4)
A20	44		48 (*2)	O10	51 (*5)
A21 A	44		49 (*3)	O11	51 (*5)
A22	B	44	F20	S11	47 (*1)
A23	C	44	F23	S12	47 (*1)
A24	A	44	F24	S13	47 (*1)
A25	B	44	F25	S14	47 (*1)
A26	44	H7	45	S25	51 (*5)
C9	44	J1	45	S26	50 (*4)
C16	46 (*1)	J13	45	S27	50 (*4)
C17	46 (*1)	J14	45	S28	51 (*5)
D4	44	O4 A	50 (*4)	S29	49 (*3)
E7	44	O5 B	50 (*4)		

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	24	Engine Room R/B (Engine Compartment Left)

* 1 : Double Cab * 2 : Access Cab * 3 : Regular Cab * 4 : Separate Seat * 5 : Bench Seat

 : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	28	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1H	29	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1I		
1J		
DA	34	Instrument Panel Wire and Instrument Panel J/B No.1 (Left Kick Panel)
DB		
PF	36	Instrument Panel Wire and Instrument Panel J/B No.2 (Right Side of Glove Box)

 : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	54	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IG1	55	Instrument Panel Wire and Instrument Panel Assembly Wire (Behind the Glove Box)
II1	55	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IL1	55	Instrument Panel Wire and Floor Wire (Right Kick Panel)
BF2	57 (*2)	Rear Door No.2 Wire and Floor No.2 Wire (Under the Left Quarter Panel)
BG2	57 (*2)	Rear Door No.1 Wire and Floor Wire (Under the Right Quarter Panel)
BH1	60 (*4)	Floor Wire and Seat No.1 Wire (Under the Front Passenger's Seat)
BJ2	61 (*5)	Floor Wire and Seat No.1 Wire (Under the Front Seat RH)
BK1	61 (*5)	Floor No.2 Wire and Seat No.1 Wire (Under the Front Seat LH)
BL1	61 (*5)	Seat No.2 Wire and Seat No.1 Wire (Under the Front Seat LH)

 : Ground Points

Code	See Page	Ground Points Location
IA	54	Left Kick Panel
IB	54	Instrument Panel Brace LH
IE	54	Right Kick Panel

* 1 : Double Cab * 2 : Access Cab * 3 : Regular Cab * 4 : Separate Seat * 5 : Bench Seat

