SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000014082158

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery or batteries, and wait at least three minutes before performing any service.**

Occupant Classification System Precaution

INFOID:0000000012545321

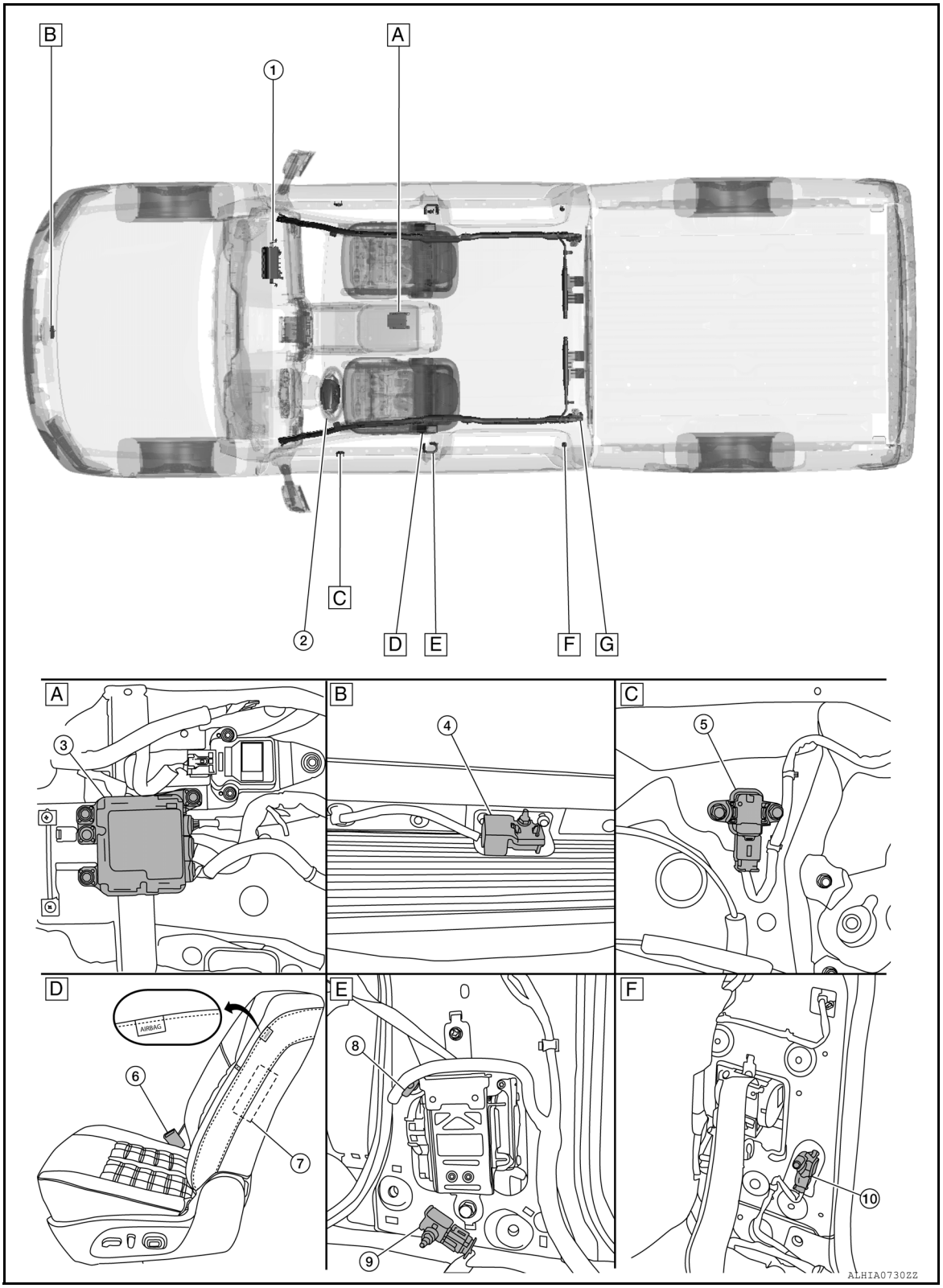
Replace occupant classification system control unit and passenger front seat cushion as an assembly.

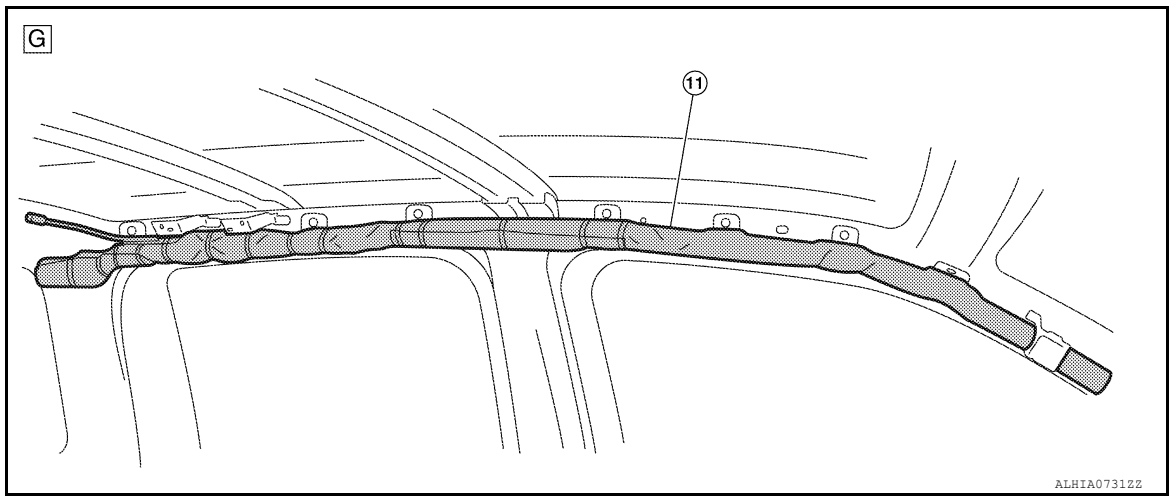
SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:0000000013037197





A. Between driver and passenger seat (view with center console removed)
B. Front of engine compartment
C. Driver door area (view with front door finisher LH removed)
D. Driver seat area
E. Left of passenger seat (view with center pillar lower finisher removed)
F. Left of rear passenger seat (view with rear kicking plate inner LH removed)
G. Left side of roof line (View with headliner and pillar finishers removed)

Component Description

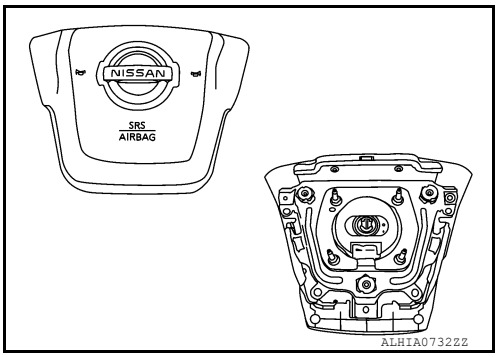
INFOID:0000000013037198

No.	Component	Function
1.	Front passenger air bag module	Refer to SRC-6, "Front Passenger Air Bag Module".
2.	Driver air bag module	Refer to SRC-6, "Driver Air Bag Module".
3.	Air bag diagnosis sensor unit	Refer to SRC-7, "Air Bag Diagnosis Sensor Unit".
4.	Crash zone sensor	Refer to SRC-7, "Crash Zone Sensor".
5.	Front door satellite sensor LH	Refer to SRC-8, "Front Door Satellite Sensor".
6.	Seat belt buckle switch LH	The seat belt buckle switch provides the seat belt buckle signal to the driver air bag diagnosis sensor unit and the combination meter.
7.	Side air bag module LH	Refer to SRC-6, "Front Passenger Air Bag Module".
8.	Front LH seat belt pre-tensioner	Refer to SRC-7, "Front Seat Belt Pre-tensioner".
9.	Front side air bag satellite sensor LH	Refer to SRC-7, "Front Side Air Bag Satellite Sensor".
10.	Rear side air bag satellite sensor LH	Refer to SRC-8, "Rear Side Air Bag Satellite Sensor".
11.	LH side curtain air bag module	Refer to SRC-6, "Side Curtain Air Bag Module".

Driver Air Bag Module

INFOID:0000000013037199

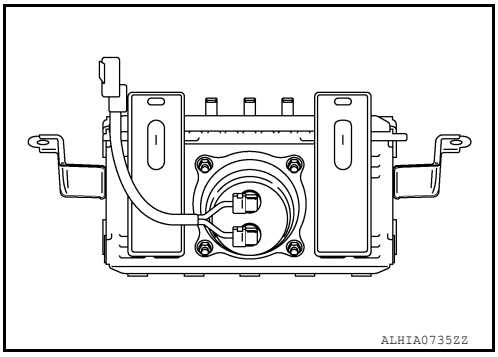
The driver air bag module is single stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:0000000013037200

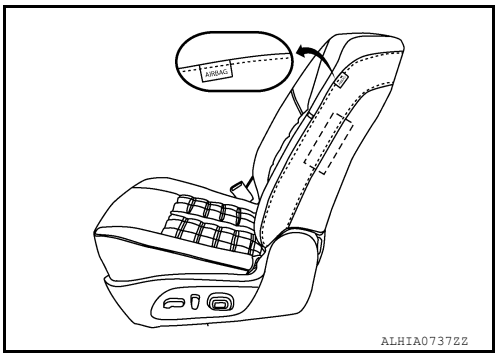
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-10, "SRS AIR BAG SYSTEM : System Description" for more information.



Side Air Bag Module

INFOID:0000000013037201

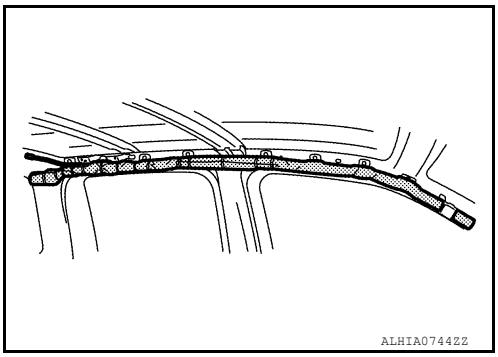
Side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag Module

INFOID:0000000013037202

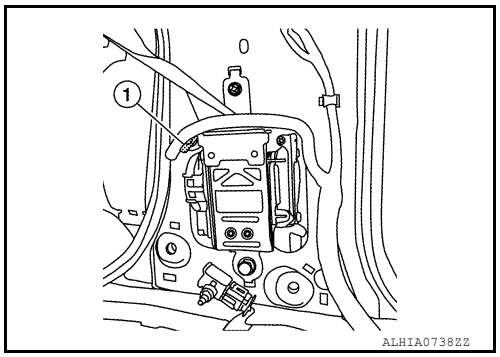
Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.



Front Seat Belt Pre-tensioner

INFOID:0000000013037203

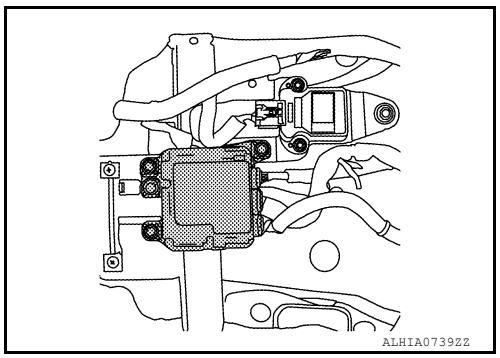
The seat belt pre-tensioner system with load limiter is installed for both the driver seat and the front passenger seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.
When a frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the shoulder belt pre-tensioner (1). Vehicle passengers are securely restrained.
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft and a relaxation of the chest-area seat belt web tension while maintaining force.



Air Bag Diagnosis Sensor Unit

INFOID:0000000013037204

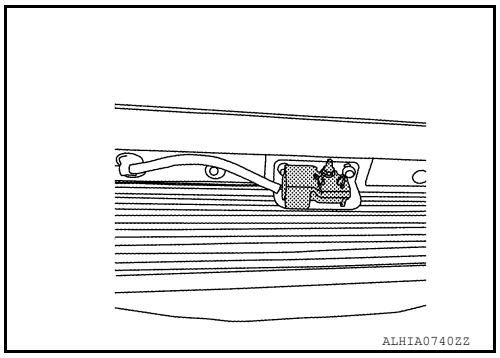
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis sensor unit has self-diagnosis capability through the use of CONSULT as well as flash codes displayed by the air bag warning lamp.



Crash Zone Sensor

INFOID:0000000013037205

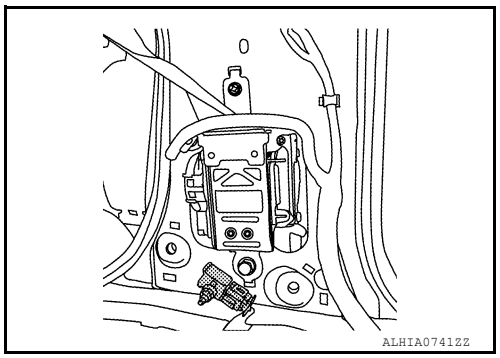
The crash zone sensor is located behind the radiator attached to the hood release bracket. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



Front Side Air Bag Satellite Sensor

INFOID:0000000013037206

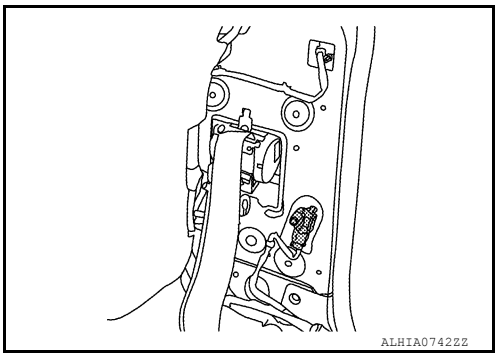
The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pre-tensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Rear Side Air Bag Satellite Sensor

INFOID:0000000013037207

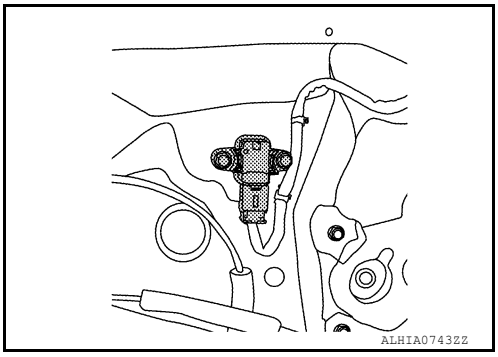
The rear side air bag satellite sensors are located behind the rear wheel house finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

INFOID:0000000013037208

The front door satellite sensors are located in the driver and passenger doors. The front door satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



SRS Component Connectors

INFOID:0000000013037210

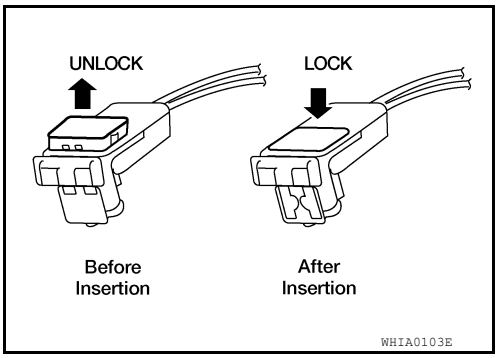
DIRECT CONNECT

The following SRS components use direct-connect style harness connectors:

- Driver front air bag module
- Passenger front air bag module
- LH side curtain air bag module
- RH side curtain air bag module
- Front LH seat belt pre-tensioner
- Front RH seat belt pre-tensioner

Always pull up to release the locking tab prior to removing connector from the SRS component.

Always push down to lock the locking tab after installing connector to SRS component. When locked, the locking tab is level with the connector housing.

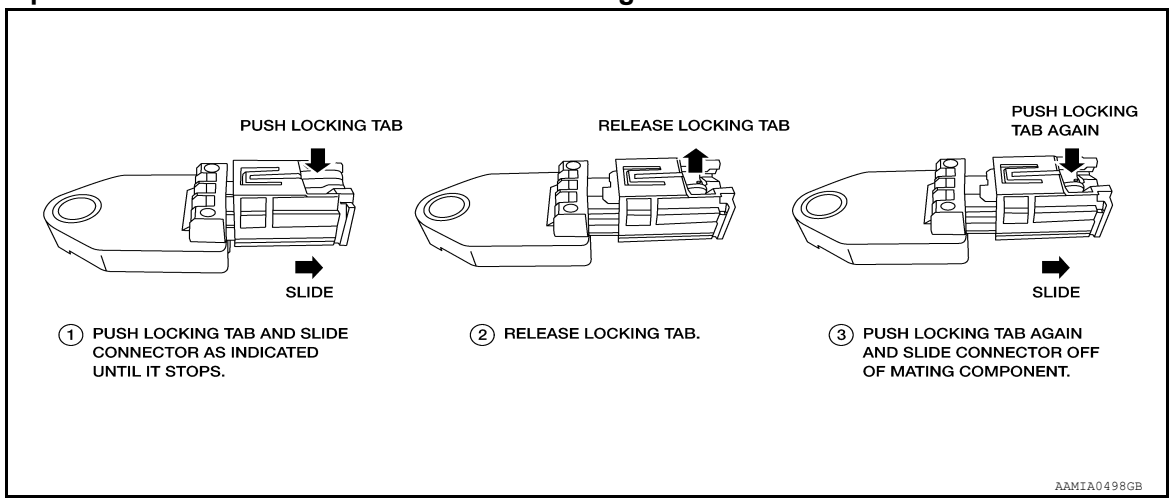


SLIDE DOUBLE LOCKING

- A new style slide double locking type connector is used on certain systems and components especially those related to air bag control systems.
- The slide double locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide double locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

CAUTION:

- **Do not pull the harness or wires when disconnecting the connector.**



① PUSH LOCKING TAB AND SLIDE CONNECTOR AS INDICATED UNTIL IT STOPS.

② RELEASE LOCKING TAB.

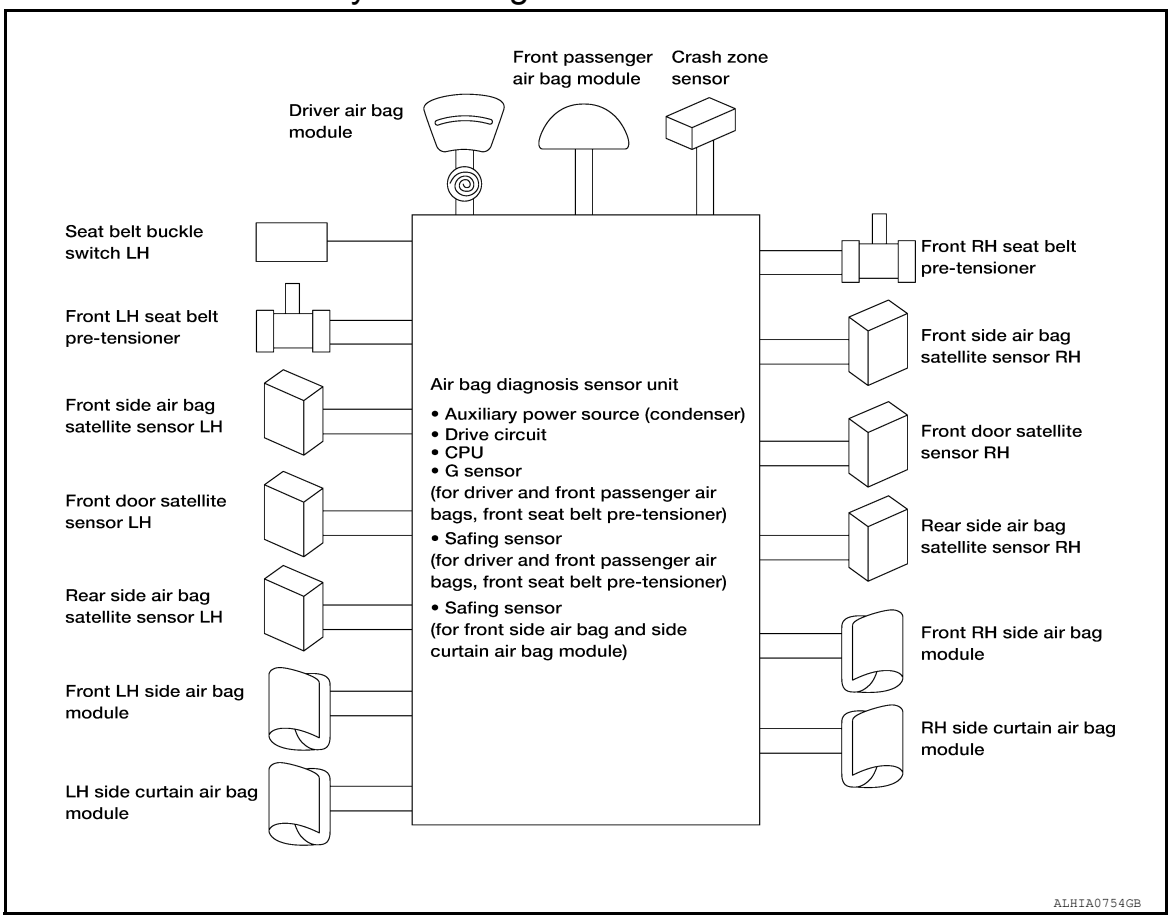
③ PUSH LOCKING TAB AGAIN AND SLIDE CONNECTOR OFF OF MATING COMPONENT.

SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Diagram

INFOID:0000000013037211



SRS AIR BAG SYSTEM : System Description

INFOID:0000000013037212

- The air bag deploys if the air bag diagnosis sensor unit is activated while the ignition switch is in the ON or START position.
- The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS Collision Modes

SRS configuration	Frontal collision	Left side collision	Right side collision	Rollover
Driver air bag module	x	—	—	—
Front passenger air bag module	x	—	—	—
Front LH seat belt pre-tensioner	x	—	—	x
Front RH seat belt pre-tensioner	x	—	—	x
Side air bag module LH	—	x	—	—
Side air bag module RH	—	—	x	—
LH side curtain air bag module	—	x	—	x
RH side curtain air bag module	—	—	x	x

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

INFOID:0000000013037217

CAUTION:

- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to do so in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harness connectors.**
- **Do not attempt to repair, splice or modify SRS wiring harnesses. If a harness is damaged, replace it with a new one.**
- **Keep ground connections clean.**

HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR

1. Obtain information about the symptom.
- WHAT - vehicle model
- WHEN - date, frequencies
- WHERE - road conditions
- HOW - operating conditions, symptoms, passengers
2. Perform “preliminary check”.
- Battery
- Fuses
- Harness connections

DIAGNOSIS METHODS

SRS “Self Diagnostic Result” can be read using the AIR BAG warning lamp or CONSULT.
The User Mode is for the customer (driver). This mode warns the driver of a system malfunction through the AIR BAG warning lamp.
The Diagnosis Mode is for the technician. This mode helps the technician locate the malfunctioning circuit or part.

	User Mode	Diagnosis Mode	Display type
AIR BAG warning lamp	X	X	ON/OFF
CONSULT	—	X	Monitoring

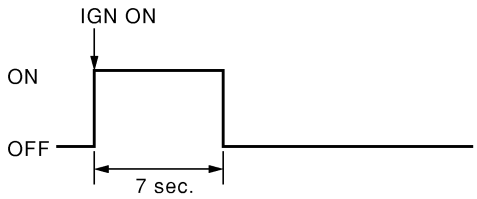
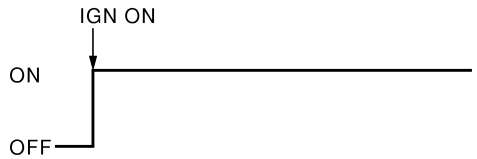
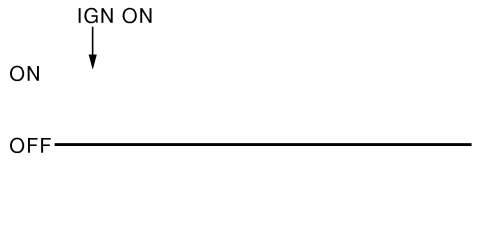
SRS Operation Check

INFOID:0000000013037218

USER MODE

1. Turn the ignition switch from OFF to ON and check that the AIR BAG warning lamp blinks.
2. Compare the blinking pattern with the examples in the table.

Air bag warning lamp flashing pattern (User Mode)

Warning lamp	SRS condition	Reference item
	• No malfunction is detected. • No further action is necessary.	—
	• Air bag is deployed. • Seat belt pre-tensioner is deployed.	Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover Collision".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag power supply circuit is malfunctioning. • SRS air bag warning lamp circuit is malfunctioning.	Refer to SRC-111, "Diagnosis Procedure".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.	Refer to SRC-110, "Air Bag Warning Lamp Does Not Turn On".

Trouble Diagnosis with CONSULT

INFOID:0000000013037219

1. Connect CONSULT.
2. DTC is displayed on “Self Diagnostic Result”.

NOTE:
If a malfunction is not detected on “Self Diagnostic Result [CURRENT]”, but a malfunction is detected during SRS Operation Check, the following cases may exist:
- “Self Diagnostic Result [PAST]” memory might not be erased. Refer to SRC-12, "SRS Final Check".
- SRS system malfunctions intermittently. Refer to SRC-35, "Inspection Procedure".

SRS History Check

INFOID:0000000013037220

SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform SRC-11, "SRS Operation Check". If repairs have been made, go to step 2.
2. Erase “Self Diagnostic Result [PAST]” after repair. Refer to SRC-12, "SRS Final Check".

SRS Final Check

INFOID:0000000013037221

DIAGNOSIS MODE

1. Connect CONSULT.

2. Confirm that zero point reset of OCS is complete.
3. If no DTCs are detected on “Self Diagnostic Result [CURRENT]”, repair of SRS is completed. Go to step 4.
   If any DTCs are detected on “Self Diagnostic Result [CURRENT]”, the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to SRC-11, "SRS Operation Check".
4. Touch “ERASE”.
   NOTE:
   Touching “ERASE” will clear the SRS memory of the malfunction (“Self Diagnostic Result [PAST]”). If “Self Diagnostic Result [PAST]” is not erased, User Mode may show the previous system malfunction even if the malfunction has been repaired completely.
5. Check that no malfunction is detected in “Self Diagnostic Result [PAST]”.
6. Exit Diagnosis Mode and disconnect CONSULT.
7. Perform SRS Operation Check. Refer to SRC-11, "SRS Operation Check".

CONSULT Function (AIR BAG)

INFOID:0000000013037222

CAUTION:
After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF → ON (for at least 5 seconds) → OFF. If this step is not performed, the BCM may not go to ”sleep mode”, potentially causing a discharged battery and no-start condition.

APPLICATION ITEMS
CONSULT can display each diagnostic item following the diagnostic test modes:

Diagnostic Test Mode	Diagnostic Item	Description
“Self Diagnostic Result”	SELF DIAGNOSTIC RESULT [CURRENT]	A current “Self Diagnostic Result” (also indicated by the number of warning lamp flashes in the Diagnosis Mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.
“Data Monitor”	DATA MONITOR	Displays air bag diagnosis sensor unit input/output data in real time.
“ECU Identification”	ECU DISCRIMINATED NO.	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
“TROUBLE DIAG RECORD”	TROUBLE DIAG RECORD [PAST]	With “TROUBLE DIAG RECORD”, diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000012545309

DTC	Diagnostic item	Reference page
U1000–01	CAN COMM CIRCUIT	SRC-36, "Diagnosis Procedure"
U1010–49	CONTROL UNIT (CAN)	SRC-37, "Diagnosis Procedure"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	SRC-39, "Diagnosis Procedure"
B0001–11	DRIVER AIRBAG MODULE [GND-SHORT]	
B0001–12	DRIVER AIRBAG MODULE [VB-SHORT]	
B0001–13	DRIVER AIRBAG MODULE [OPEN]	
B0001–1A	DRIVER AIRBAG MODULE [SHORT]	
B0010–11	ASSIST A/B MODULE [GND-SHORT]	SRC-43, "Diagnosis Procedure"
B0010–12	ASSIST A/B MODULE [VB-SHORT]	
B0010–13	ASSIST A/B MODULE [OPEN]	
B0010–1A	ASSIST A/B MODULE [SHORT]	
B0011–09	ASSIST A/B MODULE 2 [SHORT]	SRC-43, "Diagnosis Procedure"
B0011–11	ASSIST A/B MODULE 2 [GND-SHORT]	
B0011–12	ASSIST A/B MODULE 2 [VB-SHORT]	
B0011–13	ASSIST A/B MODULE 2 [OPEN]	
B0011–1A	ASSIST A/B MODULE 2 [SHORT]	
B0020–11	SIDE A/B MODULE LH [GND-SHORT]	SRC-47, "Diagnosis Procedure"
B0020–12	SIDE A/B MODULE LH [VB-SHORT]	
B0020–13	SIDE A/B MODULE LH [OPEN]	
B0020–1A	SIDE A/B MODULE LH [SHORT]	
B0021–11	CURTAIN A/B MODULE LH [GND-SHORT]	SRC-50, "Diagnosis Procedure"
B0021–12	CURTAIN A/B MODULE LH [VB-SHORT]	
B0021–13	CURTAIN A/B MODULE LH [OPEN]	
B0021–1A	CURTAIN A/B MODULE LH [SHORT]	
B0028–11	SIDE A/B MODULE RH [GND-SHORT]	SRC-53, "Diagnosis Procedure"
B0028–12	SIDE A/B MODULE RH [VB-SHORT]	
B0028–13	SIDE A/B MODULE RH [OPEN]	
B0028–1A	SIDE A/B MODULE RH [SHORT]	
B0029–11	CURTAIN A/B MODULE RH [GND-SHORT]	SRC-56, "Diagnosis Procedure"
B0029–12	CURTAIN A/B MODULE RH [VB-SHORT]	
B0029–13	CURTAIN A/B MODULE RH [OPEN]	
B0029–1A	CURTAIN A/B MODULE RH [SHORT]	

DTC	Diagnostic item	Reference page
B0091–23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]	SRC-59, "Diagnosis Procedure"
B0091–24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]	
B0091–25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]	
B0091–28	B-PILLAR SAT SEN LH [OFFSET ERR]	
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]	
B0091–86	B-PILLAR SAT SEN LH [UNMATCH]	
B0091–88	B-PILLAR SAT SEN LH [OPEN]	
B0091–93	B-PILLAR SAT SEN LH [RESET]	
B0092–23	C-PILLAR SAT SENS LH [LOWER LIMIT ERR]	SRC-64, "Diagnosis Procedure"
B0092–24	C-PILLAR SATSENS LH [UPPER LIMIT ERR]	
B0092–25	C-PILLAR SAT SENS LH [SELF-DIAG ERR]	
B0092–28	C-PILLAR SAT SENS LH [OFFSET ERR]	
B0092–81	C-PILLAR SAT SENS LH [COMM ERR]	
B0092–86	C-PILLAR SAT SENS LH [UNMATCH]	
B0092–88	C-PILLAR SAT SENS LH [OPEN]	
B0092–93	C-PILLAR SAT SENS LH [RESET]	
B0093–23	DOOR SATEL SENS LH [LOWER LIMIT ERR]	SRC-67, "Diagnosis Procedure"
B0093–24	DOOR SATEL SENS LH [UPPER LIMIT ERR]	
B0093–25	DOOR SATEL SENS LH [SELF-DIAG ERR]	
B0093–28	DOOR SATEL SENS LH [OFFSET ERR]	
B0093–81	DOOR SATEL SENS LH [COMM ERR]	
B0093–86	DOOR SATEL SENS LH [UNMATCH]	
B0093–88	DOOR SATEL SENS LH [OPEN]	
B0093–93	DOOR SATEL SENS LH [RESET]	
B0094–23	CRASH ZONE SENS [LOWER LIMIT ERR]	SRC-71, "Diagnosis Procedure"
B0094–24	CRASH ZONE SENS [UPPER LIMIT ERR]	
B0094–25	CRASH ZONE SENS [SELF-DIAG ERR]	
B0094–28	CRASH ZONE SENS [OFFSET ERR]	
B0094–81	CRASH ZONE SENS [COMM ERR]	
B0094–86	CRASH ZONE SENS [UNMATCH]	
B0094–88	CRASH ZONE SENS [OPEN]	
B0094–93	CRASH ZONE SENS [RESET]	
B0096–23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]	SRC-75, "Diagnosis Procedure"
B0096–24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]	
B0096–25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]	
B0096–28	B-PILLAR SAT SEN RH [OFFSET ERR]	
B0096–81	B-PILLAR SAT SEN RH [COMM ERR]	
B0096–86	B-PILLAR SAT SEN RH [UNMATCH]	
B0096–88	B-PILLAR SAT SEN RH [OPEN]	
B0096–93	B-PILLAR SAT SEN RH [RESET]	

DTC	Diagnostic item	Reference page
B0097–23	C-PILLAR SAT SENS RH [LOWER LIMIT ERR]	SRC-80, "Diagnosis Procedure"
B0097–24	C-PILLAR SATSENS RH [UPPER LIMIT ERR]	
B0097–25	C-PILLAR SAT SENS RH [SELF-DIAG ERR]	
B0097–28	C-PILLAR SAT SENS RH [OFFSET ERR]	
B0097–81	C-PILLAR SAT SENS RH [COMM ERR]	
B0097–86	C-PILLAR SAT SENS RH [UNMATCH]	
B0097–88	C-PILLAR SAT SENS RH [OPEN]	
B0097–93	C-PILLAR SAT SENS RH [RESET]	
B0098–23	DOOR SATEL SENS RH [LOWER LIMIT ERR]	SRC-85, "Diagnosis Procedure"
B0098–24	DOOR SATEL SENS RH [UPPER LIMIT ERR]	
B0098–25	DOOR SATEL SENS RH [SELF-DIAG ERR]	
B0098–28	DOOR SATEL SENS RH [OFFSET ERR]	
B0098–81	DOOR SATEL SENS RH [COMM ERR]	
B0098–86	DOOR SATEL SENS RH [UNMATCH]	
B0098–88	DOOR SATEL SENS RH [OPEN]	
B0098–93	DOOR SATEL SENS RH [RESET]	
B1430–09	PRE-TEN FRONT LH [SHORT]	SRC-102, "Diagnosis Procedure"
B1430–11	PRE-TEN FRONT LH [GND-SHORT]	
B1430–12	PRE-TEN FRONT LH [VB-SHORT]	
B1430–13	PRE-TEN FRONT LH [OPEN]	
B1430–1A	PRE-TEN FRONT LH [SHORT]	
B1431–11	PRE-TEN FRONT RH [GND-SHORT]	SRC-105, "Diagnosis Procedure"
B1431–12	PRE-TEN FRONT RH [VB-SHORT]	
B1431–13	PRE-TEN FRONT RH [OPEN]	
B1431–1A	PRE-TEN FRONT RH [SHORT]	
B142A–16	IGNITION VOLTAGE [VB-LOW]	SRC-97, "Diagnosis Procedure"
B142A–17	IGNITION VOLTAGE [VB-HIGH]	

DTC	Diagnostic item	Reference page
B1400–00	CONTROL UNIT [UNIT MALFUNC]	SRC-89, "Diagnosis Procedure"
B1401–00		
B1402–00		
B1403–00		
B1404–00		
B1405–00		
B1406–00		SRC-91, "Diagnosis Procedure"
B1407–00		
B1408–00		
B1409–00		
B1410–00		
B1411–00		SRC-92, "Diagnosis Procedure"
B1412–00		
B1413–00		
B1414–00		
B1415–00		
B1416–00		SRC-95, "Diagnosis Procedure"
B1417–00		
B1418–00		
B1419–00		
B1420–00		
B1421–00	FRONTAL COLLISION	SRC-100, "Diagnosis Procedure"
B1422–00	SIDE COLLISION	
B1423–00	ROLLOVER DETECTION	
B1425–00	REAR COLLISION	
B1500–23	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	SRC-108, "Diagnosis Procedure"
B1500–24	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]	
B1500–92	DOOR SATELLITE SENSOR [PERFRM ERR/INCRCT OPE]	

Flash Code Index

INFOID:0000000012545310

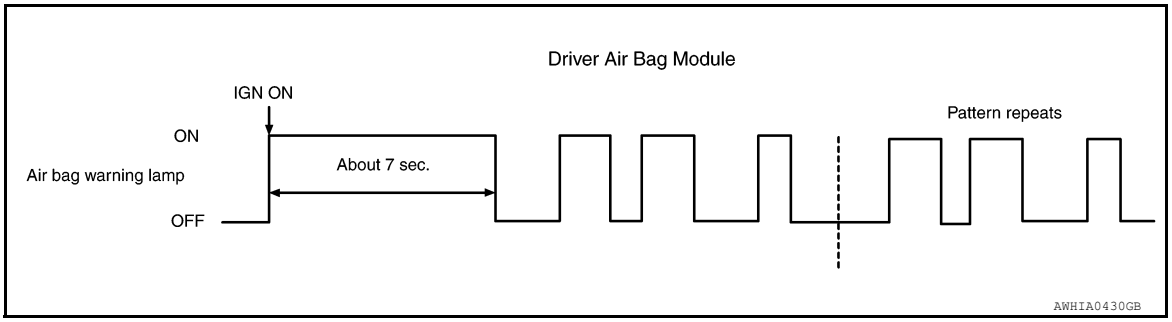
WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to SRC-11, "SRS Operation Check".
2. All codes are proceeded by a 7-second "holding" flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS subsystem the code belongs to.
5. Count the short secondary flashes that follow the primary flashes.
6. Match the correct flashing pattern to the malfunctioning component and perform the Diagnosis Procedure.

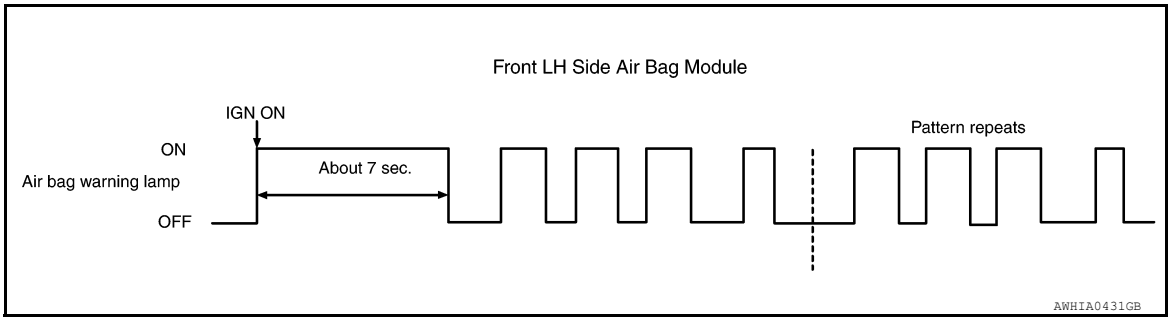
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem



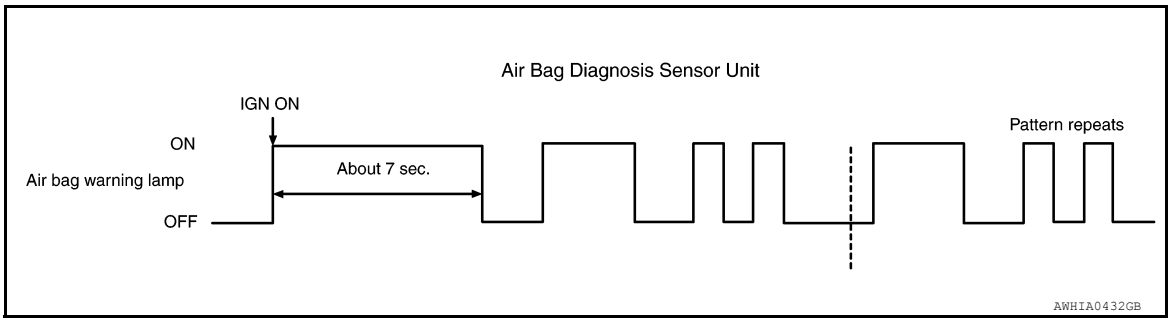
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-39, "Diagnosis Procedure"
		2	Passenger air bag module	SRC-43, "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner	SRC-102, "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner	SRC-105, "Diagnosis Procedure"

Side subsystem



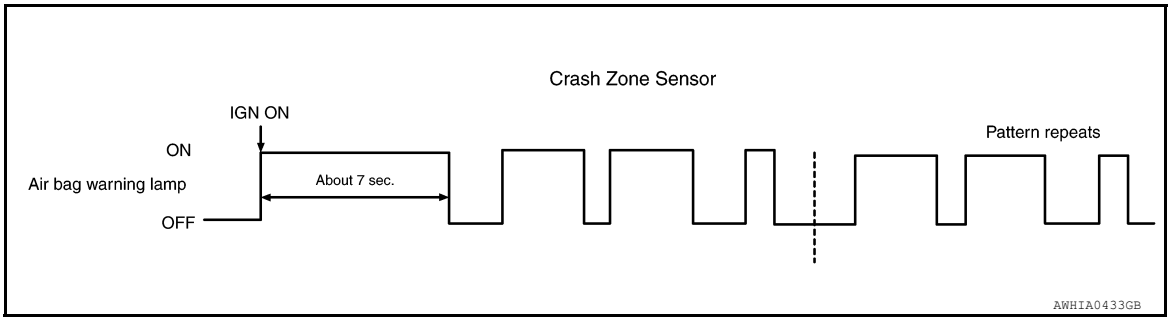
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-47, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-53, "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-50, "Diagnosis Procedure"
		4	RH side curtain air bag module	SRC-56, "Diagnosis Procedure"

Air bag subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-100, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-89, "Diagnosis Procedure", SRC-91, "Diagnosis Procedure", SRC-92, "Diagnosis Procedure", SRC-95, "Diagnosis Procedure"

Sensor subsystem



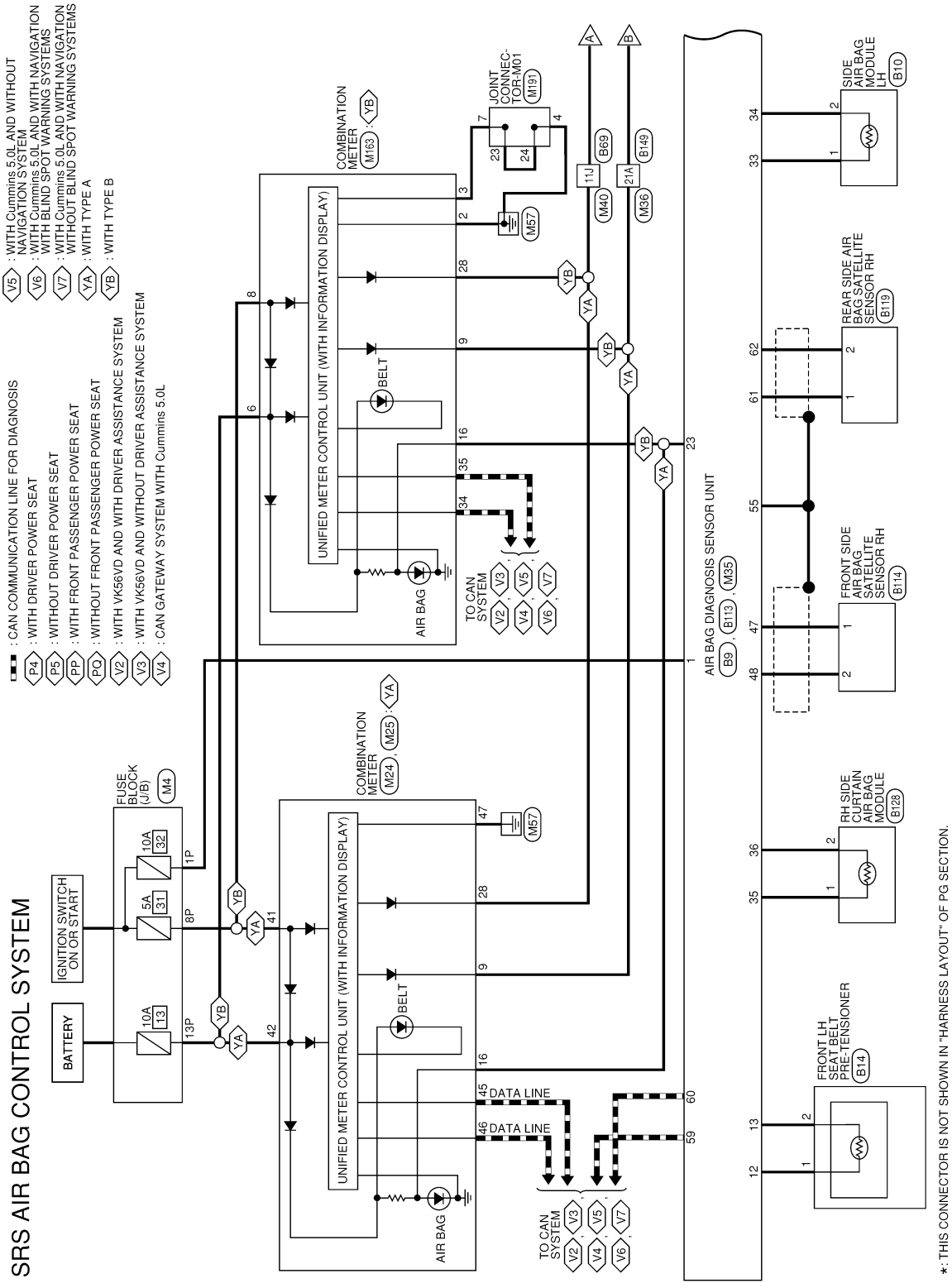
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-71, "Diagnosis Procedure"
		2	LH side air bag (satellite) sensor	SRC-59, "Diagnosis Procedure"
		3	RH side air bag (satellite) sensor	SRC-75, "Diagnosis Procedure"
		4	Rear side satellite sensor LH	SRC-64, "Diagnosis Procedure"
		5	Rear side satellite sensor LH	SRC-80, "Diagnosis Procedure"
		6	Front door satellite sensor RH	SRC-67, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-85, "Diagnosis Procedure"

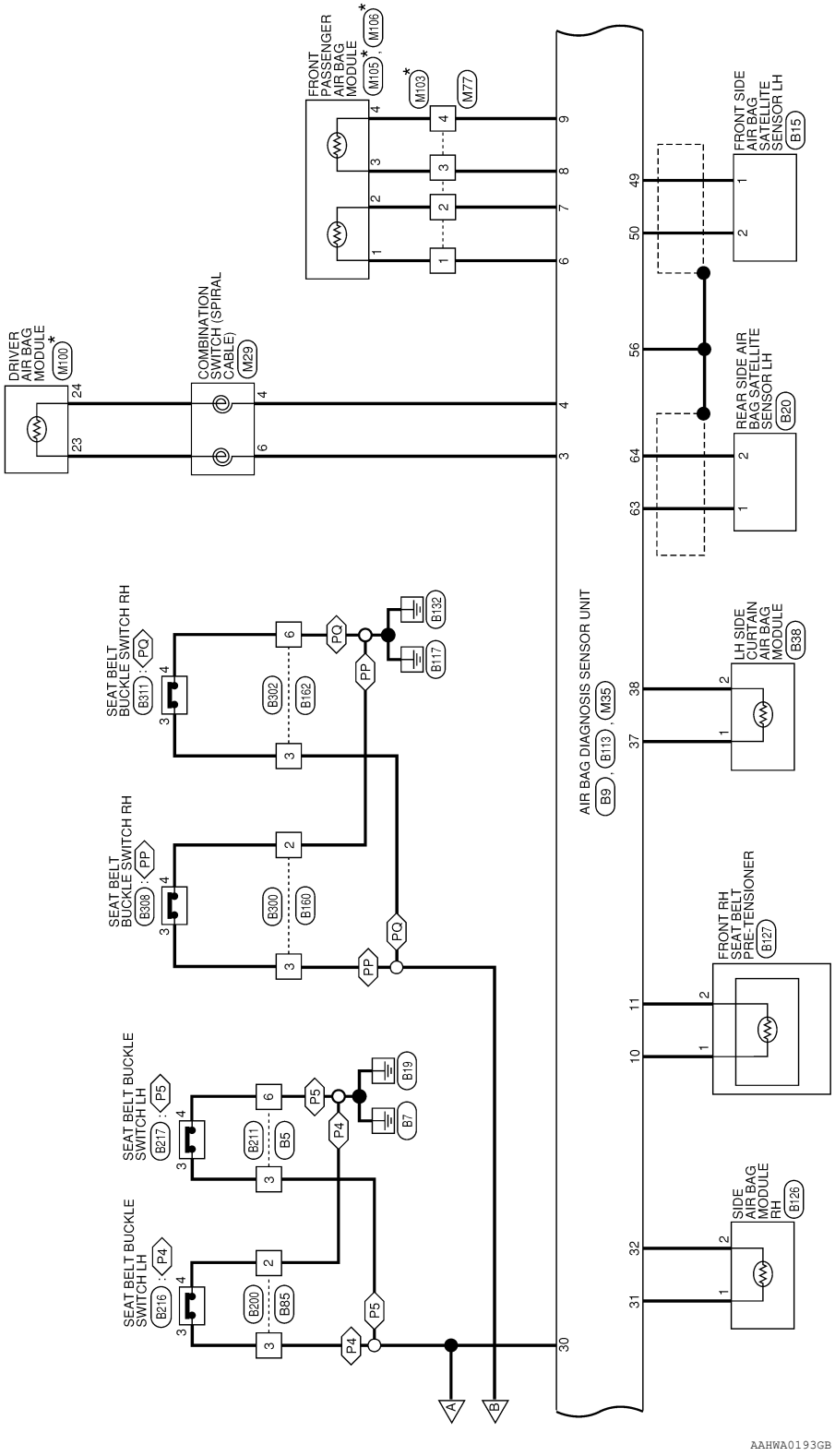
WIRING DIAGRAM

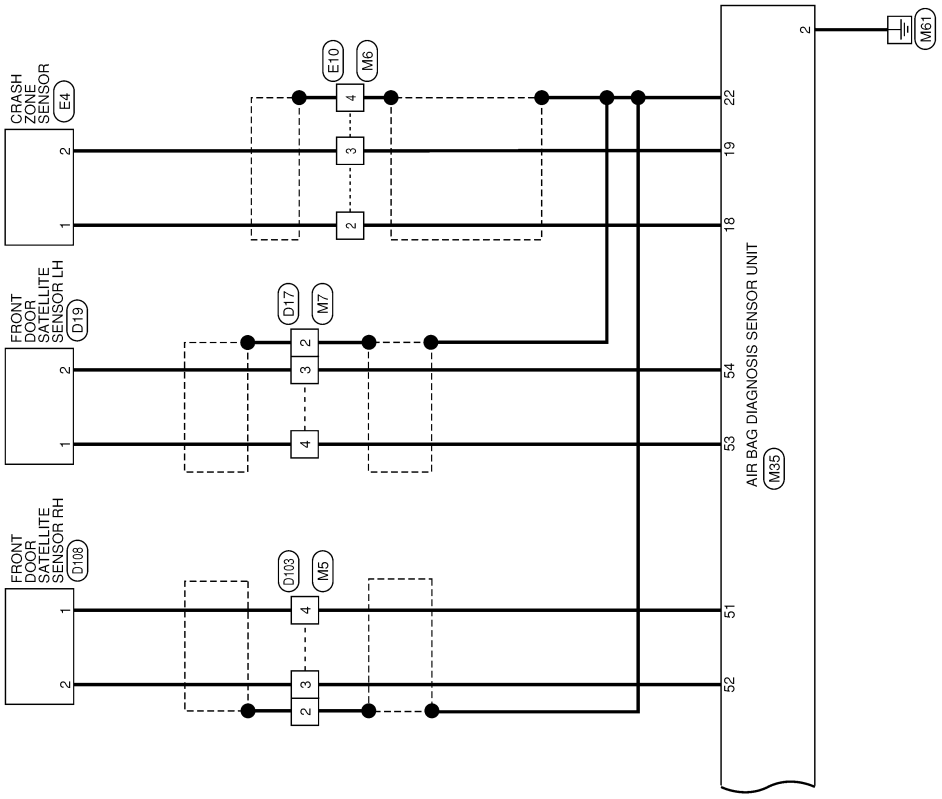
SRS AIR BAG CONTROL SYSTEM

Wiring Diagram

INFOID:0000000012545311



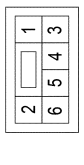

FRONT PASSENGER AIR BAG MODULE
M106
M105
M103
M77
DRIVER AIR BAG MODULE
M100
COMBINATION SWITCH (SPIRAL CABLE)
M29
FRONT SIDE AIR BAG SATELLITE SENSOR LH
B15
REAR SIDE AIR BAG SATELLITE SENSOR LH
B20
LH SIDE CURTAIN AIR BAG MODULE
B38
AIR BAG DIAGNOSIS SENSOR UNIT
B9
B113
M35
FRONT RH SEAT BELT PRE-TENSIONER
B127
SIDE AIR BAG MODULE RH
B126
SEAT BELT BUCKLE SWITCH RH
B311
PQ
B302
B162
B132
B117
SEAT BELT BUCKLE SWITCH RH
B308
PP
B300
B160
SEAT BELT BUCKLE SWITCH LH
B217
P5
B211
B5
B19
B7
SEAT BELT BUCKLE SWITCH LH
B216
P4
B200
B85
A
B
AAHWA0193GB


CRASH ZONE SENSOR
E4
FRONT DOOR SATELLITE SENSOR LH
D19
FRONT DOOR SATELLITE SENSOR RH
D108
E10
M6
D17
M7
D103
M5
AIR BAG DIAGNOSIS SENSOR UNIT
M35
M61
AAHWA0194GB

SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS
Connector Color	WHITE

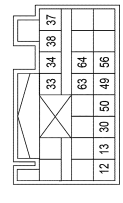
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO FRONT SEAT LH HARNESS
2	–	TO FRONT SEAT LH HARNESS
3	O/B	TO FRONT SEAT LH HARNESS
4	–	TO FRONT SEAT LH HARNESS
5	–	TO FRONT SEAT LH HARNESS
6	B	TO FRONT SEAT LH HARNESS

Connector No.	B9
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-2V-EX
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
12	G	P-LH (+)
13	BG	P-LH (-)
30	O/B	BUCKLE SW LH
33	Y	S-LH (+)
34	BR	S-LH (-)
37	B	C-LH (+)
38	W	C-LH (-)
49	L/W	SAT SENS LH (+)
50	Y/B	SAT SENS LH (-)
56	SHIELD	GND
63	W	RR SAT SENS LH (+)
64	G	RR SAT SENS LH (-)

Connector No.	B10
Connector Name	SIDE AIR BAG MODULE LH
Connector Type	TK02FY-EX-1V
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	S LH +
2	BR	S LH -

Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	P LH +
2	BG	P LH -

Connector No.	B15
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR LH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	L/W	LH B PLR SENS +
2	Y/B	LH B PLR SENS -

Connector No.	B20
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR LH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	LH C PLR SENS +
2	G	LH C PLR SENS -

Connector No.	B38
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FOR
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	LH CURTAIN +
2	W	LH CURTAIN -

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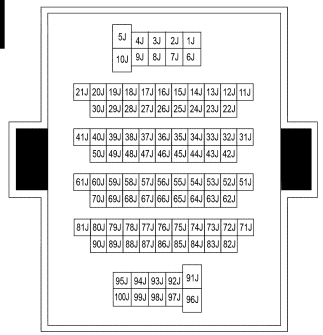
SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1J	P	TO MAIN HARNESS
2J	R/Y	TO MAIN HARNESS
3J	L	TO MAIN HARNESS
4J	L/B	TO MAIN HARNESS
5J	G/W	TO MAIN HARNESS
6J	LG/Y	TO MAIN HARNESS
7J	BR/LG	TO MAIN HARNESS
8J	SB/BR	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS
10J	BR	TO MAIN HARNESS
11J	O/B	TO MAIN HARNESS
12J	L	TO MAIN HARNESS
13J	SB/O	TO MAIN HARNESS
14J	Y	TO MAIN HARNESS
15J	–	TO MAIN HARNESS
16J	R	TO MAIN HARNESS
17J	G	TO MAIN HARNESS
18J	SB	TO MAIN HARNESS
19J	O	TO MAIN HARNESS
20J	O/B	TO MAIN HARNESS
21J	Y/R	TO MAIN HARNESS
22J	P	TO MAIN HARNESS
23J	W	TO MAIN HARNESS
24J	W/R	TO MAIN HARNESS
25J	V	TO MAIN HARNESS
26J	L	TO MAIN HARNESS
27J	R	TO MAIN HARNESS
28J	L	TO MAIN HARNESS
29J	G/O	TO MAIN HARNESS
30J	SB	TO MAIN HARNESS
31J	LG	TO MAIN HARNESS
32J	R	TO MAIN HARNESS
33J	L	TO MAIN HARNESS
34J	Y	TO MAIN HARNESS
35J	P	TO MAIN HARNESS
36J	G/R	TO MAIN HARNESS
37J	LG/B	TO MAIN HARNESS
38J	SB	TO MAIN HARNESS
39J	Y/L	TO MAIN HARNESS
40J	BR	TO MAIN HARNESS
41J	L	TO MAIN HARNESS
42J	L	TO MAIN HARNESS
43J	SB	TO MAIN HARNESS
44J	BR	TO MAIN HARNESS
45J	BG	TO MAIN HARNESS
46J	P/Y	TO MAIN HARNESS
47J	Y/GR	TO MAIN HARNESS
48J	V	TO MAIN HARNESS
49J	BR/Y	TO MAIN HARNESS
50J	G/W	TO MAIN HARNESS
51J	–	TO MAIN HARNESS
52J	SHIELD	TO MAIN HARNESS
53J	R	TO MAIN HARNESS
54J	L	TO MAIN HARNESS
55J	R	TO MAIN HARNESS
56J	W	TO MAIN HARNESS
57J	L/G	TO MAIN HARNESS
58J	O	TO MAIN HARNESS
59J	–	TO MAIN HARNESS
60J	SHIELD	TO MAIN HARNESS
61J	G	TO MAIN HARNESS
62J	–	TO MAIN HARNESS
63J	R/W	TO MAIN HARNESS
64J	L/W	TO MAIN HARNESS
65J	SHIELD	TO MAIN HARNESS
66J	B	TO MAIN HARNESS
67J	SHIELD	TO MAIN HARNESS
68J	O/L	TO MAIN HARNESS
69J	SHIELD	TO MAIN HARNESS
70J	BR	TO MAIN HARNESS
71J	L/W	TO MAIN HARNESS
72J	–	TO MAIN HARNESS
72J	–	TO MAIN HARNESS
73J	–	TO MAIN HARNESS
74J	SHIELD	TO MAIN HARNESS
75J	LG/B	TO MAIN HARNESS
76J	R	TO MAIN HARNESS
77J	SHIELD	TO MAIN HARNESS
78J	GR/B	TO MAIN HARNESS
79J	B	TO MAIN HARNESS
80J	W	TO MAIN HARNESS
81J	SHIELD	TO MAIN HARNESS
82J	L/R	TO MAIN HARNESS
83J	–	TO MAIN HARNESS
84J	–	TO MAIN HARNESS
85J	Y/B	TO MAIN HARNESS
86J	G	TO MAIN HARNESS
87J	B/R	TO MAIN HARNESS
88J	SHIELD	TO MAIN HARNESS
89J	GR/R	TO MAIN HARNESS
90J	L	TO MAIN HARNESS
91J	L/B	TO MAIN HARNESS
92J	SB	TO MAIN HARNESS
93J	B	TO MAIN HARNESS
94J	L	TO MAIN HARNESS
95J	LG	TO MAIN HARNESS
96J	R	TO MAIN HARNESS
97J	B/Y	TO MAIN HARNESS
98J	L/B	TO MAIN HARNESS
99J	W/L	TO MAIN HARNESS
100J	SB	TO MAIN HARNESS

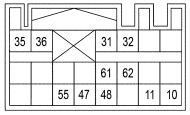
Connector No.	B85
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L/B	TO FRONT SEAT LH HARNESS
2	B	TO FRONT SEAT LH HARNESS
3	O/B	TO FRONT SEAT LH HARNESS
4	B	TO FRONT SEAT LH HARNESS
5	B	TO FRONT SEAT LH HARNESS
6	SB/O	TO FRONT SEAT LH HARNESS
7	V	TO FRONT SEAT LH HARNESS
8	BR/LG	TO FRONT SEAT LH HARNESS
9	LG/Y	TO FRONT SEAT LH HARNESS
10	Y	TO FRONT SEAT LH HARNESS
11	R	TO FRONT SEAT LH HARNESS
12	–	TO FRONT SEAT LH HARNESS

Connector No.	B113
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-1V-EX
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
10	W	P-RH (+)
11	BG	P-RH (-)
31	SB	S-RH (+)
32	Y	S-RH (-)
35	B	INF CURTAIN RH (+)
36	W	INF CURTAIN RH (-)
47	W	SAT SENS RH (+)
48	L	SAT SENS RH (-)
55	SHIELD	GND
61	LG/B	RR SAT SENS RH (+)
62	Y/B	RR SAT SENS RH (-)

Connector No.	B114
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	RH B PLR SENS +
2	L	RH B PLR SENS -

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B119
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	LG/B	RH C PLR SENS +
2	Y/B	RH C PLR SENS -

Connector No.	B126
Connector Name	SIDE AIR BAG MODULE RH
Connector Type	TK02FY-EX-1V
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	SB	S RH +
2	Y	S RH -

Connector No.	B127
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	P RH +
2	BG	P RH -

Connector No.	B128
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	C RH1 +
2	W	C RH1 -

Connector No.	B149
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1A	SB/G	TO MAIN HARNESS -(WITHOUT CLIMATE CONTROLLED SEATS)
1A	SB	TO MAIN HARNESS -(WITH CLIMATE CONTROLLED SEATS)
2A	L	TO MAIN HARNESS
3A	V	TO MAIN HARNESS
4A	SB/R	TO MAIN HARNESS
5A	–	TO MAIN HARNESS
6A	LG/Y	TO MAIN HARNESS -(WITHOUT CLIMATE CONTROLLED SEATS)
6A	LG	TO MAIN HARNESS -(WITH CLIMATE CONTROLLED SEATS)
7A	W	TO MAIN HARNESS
8A	B	TO MAIN HARNESS
9A	L/B	TO MAIN HARNESS
10A	W	TO MAIN HARNESS
11A	LG	TO MAIN HARNESS
12A	BR/O	TO MAIN HARNESS
13A	Y/W	TO MAIN HARNESS
14A	R/G	TO MAIN HARNESS
15A	Y/L	TO MAIN HARNESS
16A	O/L	TO MAIN HARNESS
17A	L	TO MAIN HARNESS
18A	Y	TO MAIN HARNESS
19A	LG	TO MAIN HARNESS
20A	BR/Y	TO MAIN HARNESS
21A	BG	TO MAIN HARNESS
22A	LG/R	TO MAIN HARNESS
23A	Y/LG	TO MAIN HARNESS
24A	BR/Y	TO MAIN HARNESS
25A	–	TO MAIN HARNESS
26A	GR	TO MAIN HARNESS
27A	LG	TO MAIN HARNESS
28A	LG/B	TO MAIN HARNESS
29A	–	TO MAIN HARNESS
30A	–	TO MAIN HARNESS
31A	W/R	TO MAIN HARNESS
32A	G/R	TO MAIN HARNESS
33A	–	TO MAIN HARNESS
34A	SHIELD	TO MAIN HARNESS
35A	P	TO MAIN HARNESS
36A	B	TO MAIN HARNESS
37A	–	TO MAIN HARNESS
38A	R/B	TO MAIN HARNESS
39A	G/O	TO MAIN HARNESS
40A	V	TO MAIN HARNESS
41A	SHIELD	TO MAIN HARNESS
42A	SHIELD	TO MAIN HARNESS
43A	R	TO MAIN HARNESS
44A	G	TO MAIN HARNESS
45A	–	TO MAIN HARNESS
46A	–	TO MAIN HARNESS
47A	Y	TO MAIN HARNESS
48A	R/W	TO MAIN HARNESS
49A	R/L	TO MAIN HARNESS
50A	B	TO MAIN HARNESS
51A	–	TO MAIN HARNESS
52A	–	TO MAIN HARNESS
53A	–	TO MAIN HARNESS
54A	–	TO MAIN HARNESS
55A	–	TO MAIN HARNESS
56A	–	TO MAIN HARNESS
57A	–	TO MAIN HARNESS
58A	–	TO MAIN HARNESS
59A	–	TO MAIN HARNESS
60A	G/W	TO MAIN HARNESS
61A	–	TO MAIN HARNESS
62A	–	TO MAIN HARNESS
63A	–	TO MAIN HARNESS
64A	–	TO MAIN HARNESS
65A	–	TO MAIN HARNESS
66A	–	TO MAIN HARNESS
67A	–	TO MAIN HARNESS
68A	–	TO MAIN HARNESS
69A	Y/R	TO MAIN HARNESS
70A	R/G	TO MAIN HARNESS
71A	–	TO MAIN HARNESS
72A	Y/B	TO MAIN HARNESS
73A	G	TO MAIN HARNESS
74A	B/R	TO MAIN HARNESS
75A	SHIELD	TO MAIN HARNESS
76A	GR/R	TO MAIN HARNESS
77A	L	TO MAIN HARNESS
78A	SHIELD	TO MAIN HARNESS
79A	Y	TO MAIN HARNESS
80A	L	TO MAIN HARNESS
81A	R	TO MAIN HARNESS
82A	SHIELD	TO MAIN HARNESS
83A	LG/B	TO MAIN HARNESS
84A	R	TO MAIN HARNESS
85A	SHIELD	TO MAIN HARNESS
86A	GR/B	TO MAIN HARNESS
87A	B	TO MAIN HARNESS
88A	W	TO MAIN HARNESS
89A	SHIELD	TO MAIN HARNESS
90A	G	TO MAIN HARNESS
91A	W/L	TO MAIN HARNESS
92A	BR	TO MAIN HARNESS
93A	L/Y	TO MAIN HARNESS
94A	R/L	TO MAIN HARNESS
95A	BR	TO MAIN HARNESS
96A	R	TO MAIN HARNESS
97A	LG	TO MAIN HARNESS
98A	B/V	TO MAIN HARNESS
99A	O/L	TO MAIN HARNESS
100A	BR/W	TO MAIN HARNESS

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

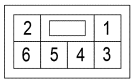
Connector No.	B160
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L/B	TO FRONT SEAT RH HARNESS
2	B	TO FRONT SEAT RH HARNESS
3	BG	TO FRONT SEAT RH HARNESS
4	B	TO FRONT SEAT RH HARNESS
5	B	TO FRONT SEAT RH HARNESS
6	Y/W	TO FRONT SEAT RH HARNESS
7	BR/Y	TO FRONT SEAT RH HARNESS
8	SB	TO FRONT SEAT RH HARNESS - (WITH CLIMATE CONTROLLED SEATS)
8	SB/G	TO FRONT SEAT RH HARNESS (WITHOUT CLIMATE CONTROLLED SEATS)
9	LG	TO FRONT SEAT RH HARNESS - (WITH CLIMATE CONTROLLED SEATS)
9	LG/Y	TO FRONT SEAT RH HARNESS (WITHOUT CLIMATE CONTROLLED SEATS)
10	Y/L	TO FRONT SEAT RH HARNESS
11	W	TO FRONT SEAT RH HARNESS
12	–	TO FRONT SEAT RH HARNESS

Connector No.	B162
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS
Connector Color	WHITE

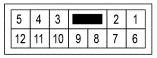
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	TO FRONT SEAT RH HARNESS
2	–	TO FRONT SEAT RH HARNESS
3	BG	TO FRONT SEAT RH HARNESS
4	LG/Y	TO FRONT SEAT RH HARNESS
5	SB/G	TO FRONT SEAT RH HARNESS
6	B	TO FRONT SEAT RH HARNESS

Connector No.	B200
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

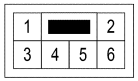
H.S.



Terminal No.	Color of Wire	Signal Name
1	R	TO BODY HARNESS
2	P	TO BODY HARNESS
3	BR	TO BODY HARNESS
4	B	TO BODY HARNESS
5	GR	TO BODY HARNESS
6	B	TO BODY HARNESS
7	G	TO BODY HARNESS
8	LG	TO BODY HARNESS -(WITHOUT CLIMATE CONTROLLED SEATS)
8	Y	TO BODY HARNESS -(WITH CLIMATE CONTROLLED SEATS)
9	R	TO BODY HARNESS -(WITHOUT CLIMATE CONTROLLED SEATS)
9	W	TO BODY HARNESS -(WITH CLIMATE CONTROLLED SEATS)
10	LG	TO BODY HARNESS
11	R	TO BODY HARNESS
12	SB	TO BODY HARNESS

Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS
Connector Color	WHITE

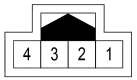
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO BODY HARNESS LH
2	–	TO BODY HARNESS LH
3	BR	TO BODY HARNESS LH
4	–	TO BODY HARNESS LH
5	–	TO BODY HARNESS LH
6	P	TO BODY HARNESS LH

Connector No.	B216
Connector Name	SEAT BELT BUCKLE SWITCH LH (WITH DRIVER POWER SEAT)
Connector Type	TH04MW-NH
Connector Color	WHITE

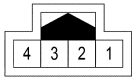
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	BR	BUCKLE SW (+)
4	P	BUCKLE SW (-)

Connector No.	B217
Connector Name	SEAT BELT BUCKLE SWITCH LH (WITHOUT DRIVER POWER SEAT)
Connector Type	TH04MW-NH
Connector Color	WHITE

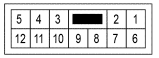
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	BR	BUCKLE SW (+)
4	P	BUCKLE SW (-)

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	TO BODY HARNESS RH
2	P	TO BODY HARNESS RH
3	BR	TO BODY HARNESS RH
4	B	TO BODY HARNESS RH
5	GR	TO BODY HARNESS RH
6	B	TO BODY HARNESS RH
7	G	TO BODY HARNESS RH
8	Y	TO BODY HARNESS RH -(WITH CLIMATE CONTROLLED SEATS)
8	LG	TO BODY HARNESS RH - (WITHOUT CLIMATE CONTROLLED SEATS)
9	W	TO BODY HARNESS RH -(WITH CLIMATE CONTROLLED SEATS)
9	R	TO BODY HARNESS RH - (WITHOUT CLIMATE CONTROLLED SEATS)
10	LG	TO BODY HARNESS RH
11	R	TO BODY HARNESS RH
12	SB	TO BODY HARNESS RH
13	–	TO BODY HARNESS RH
14	–	TO BODY HARNESS RH
15	–	TO BODY HARNESS RH
16	–	TO BODY HARNESS RH

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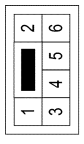
SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B302
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS
Connector Color	WHITE

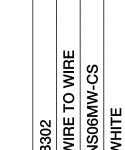
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	TO BODY HARNESS RH
2	–	TO BODY HARNESS RH
3	BR	TO BODY HARNESS RH
4	R	TO BODY HARNESS RH
5	LG	TO BODY HARNESS RH
6	P	TO BODY HARNESS RH

Connector No.	B308
Connector Name	SEAT BELT BUCKLE SWITCH RH (WITH FRONT PASSENGER POWER SEAT)
Connector Type	TH04MW-NH
Connector Color	WHITE

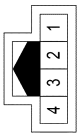
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	BR	BUCKLE SW (+)
4	P	BUCKLE SW (-)

Connector No.	B311
Connector Name	SEAT BELT BUCKLE SWITCH RH (WITHOUT FRONT PASSENGER POWER SEAT)
Connector Type	TH04MW-NH
Connector Color	WHITE

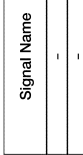
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	–	–
3	BR	BUCKLE SW (+)
4	P	BUCKLE SW (-)

Connector No.	D17
Connector Name	WIRE TO WIRE
Connector Type	TK04FY
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO MAIN HARNESS
2	SHIELD	TO MAIN HARNESS
3	W	TO MAIN HARNESS
4	L	TO MAIN HARNESS

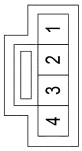
Connector No.	D19
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	LH DOOR SENSOR +
2	W	LH DOOR SENSOR -

Connector No.	D103
Connector Name	WIRE TO WIRE
Connector Type	TK04FY
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO MAIN HARNESS
2	SHIELD	TO MAIN HARNESS
3	Y/B	TO MAIN HARNESS
4	LG/B	TO MAIN HARNESS

Connector No.	D108
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

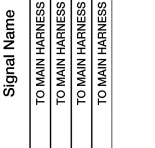
H.S.

Terminal No.	Color of Wire	Signal Name

1	LG/B	RH DOOR SENSOR +
2	Y/B	RH DOOR SENSOR -

Connector No.	E4
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

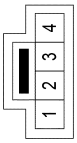
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	ECZS +
2	L	ECZS -

Connector No.	E10
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO MAIN HARNESS
2	G	TO MAIN HARNESS
3	L	TO MAIN HARNESS
4	SHIELD	TO MAIN HARNESS

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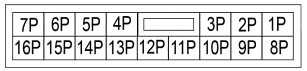
SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE

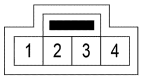
H.S.



Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	Y	IGNITION
3P	G	IGNITION RELAY OUT
4P	B/W	RR DEF RLY
5P	B/W	RR DEF RLY
6P	O	RR DEF RLY OUT
7P	G	IGNITION
8P	W	IGNITION
9P	L	BATTERY
10P	–	–
11P	–	–
12P	–	–
13P	R	BATTERY
14P	Y	BATTERY
15P	Y/LG	BATTERY
16P	W	BLOWER FAN RELAY OUT

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD
Connector Color	YELLOW

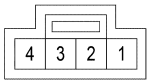
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO FRONT DOOR RH HARNESS
2	SHIELD	TO FRONT DOOR RH HARNESS
3	Y/B	TO FRONT DOOR RH HARNESS
4	LG/B	TO FRONT DOOR RH HARNESS

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TK04FY
Connector Color	YELLOW

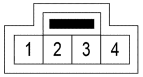
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO ENGINE ROOM HARNESS
2	GR/R	TO ENGINE ROOM HARNESS
3	GR/B	TO ENGINE ROOM HARNESS
4	SHIELD	TO ENGINE ROOM HARNESS

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD
Connector Color	YELLOW

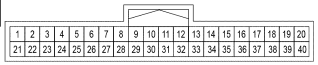
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO FRONT DOOR LH HARNESS
2	SHIELD	TO FRONT DOOR LH HARNESS
3	W	TO FRONT DOOR LH HARNESS
4	L	TO FRONT DOOR LH HARNESS

Connector No.	M24
Connector Name	COMBINATION METER (WITH TYPE A)
Connector Type	TH40FW-NH
Connector Color	WHITE

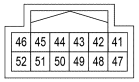
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND(STRG/SATELLITE SW GND)
2	–	–
3	–	–
4	–	–
5	–	–
6	–	–
7	V	SECURITY
8	–	–
9	BG	AS BELT SW (W/O ODS)
10	LG	TOW MODE SW
11	BR	CHG
12	BR	LED HEAD LAMP (R)
13	W	LED HEAD LAMP (L)
14	R	ACC SW
15	–	–
16	O	AIR BAG
17	–	–
18	P	TRIP RESET SW
19	–	–
20	R	OUTSIDE TEMP GND
21	–	–
22	P	STRG SW A
23	R	STRG SW B
24	W	WASHER SW
25	–	–
26	G	PKB SW
27	P/L	AS BELT SW
28	O/B	DR BELT SW
29	–	–
30	–	–
31	–	NOT M RANGE
32	BR	AT SHIFT UP
33	V/W	AT SHIFT DOWN
34	–	–
35	–	–
36	W	ILL UP SW
37	R	ILL DOWN SW
38	G	8P/R OUTPUT
39	–	–
40	–	–

Connector No.	M25
Connector Name	COMBINATION METER (WITH TYPE A)
Connector Type	TH12FW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
41	W	IGN
42	R	BAT
43	Y/V	FUEL SENSOR GND
44	GR	ILL CONT OUTPUT
45	P	CAN-L
46	L	CAN-H
47	B	G1
48	BR/Y	FUEL SENSOR
49	–	–
50	–	–
51	LG	M CAN-L
52	SB	M CAN-H

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M29
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	ILL (+) - (WITHOUT HEATED STEERING WHEEL)
1	R/W	HORN SW - (WITH HEATED STEERING WHEEL)
2	GR	ILL (-) - (WITH HEATED STEERING WHEEL)
3	L	ILL (+) - (WITH HEATED STEERING WHEEL)
4	Y/B	DR1 (-)
5	–	–
6	Y	DR1 (+)

Connector No.	M35
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	R	IGN
2	B	GND
3	Y	DR1 (+)
4	Y/B	DR1 (-)
6	O	AS1 (+)
7	G	AS1 (-)
8	P	AS2 (+)
9	Y	AS2 (-)
18	GR/R	ECZS (+)
19	GR/B	ECZS (-)
22	SHIELD	ECZS GND
23	O	AIRBAG WARN LAMP

51	LG/B	DOOR SAT RH+
52	Y/B	DOOR SAT RH-
53	L	DOOR SAT LH+
54	W	DOOR SAT LH-
59	L	CAN-H
60	P	CAN-L

H.S.

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY

H.S.

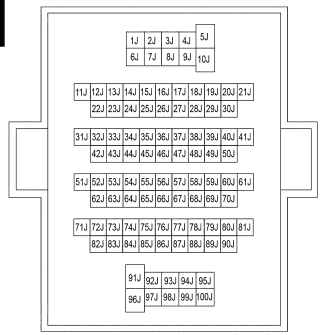
Terminal No.	Color of Wire	Signal Name
1A	W	TO BODY NO. 2 HARNESS
2A	LG	TO BODY NO. 2 HARNESS
3A	V	TO BODY NO. 2 HARNESS
4A	SB	TO BODY NO. 2 HARNESS
5A	–	TO BODY NO. 2 HARNESS
6A	BG	TO BODY NO. 2 HARNESS - (WITH CLIMATE CONTROLLED SEAT)
6A	LG	TO BODY NO. 2 HARNESS - (WITHOUT CLIMATE CONTROLLED SEAT)
7A	W	TO BODY NO. 2 HARNESS
8A	B	TO BODY NO. 2 HARNESS
9A	L/B	TO BODY NO. 2 HARNESS
10A	W	TO BODY NO. 2 HARNESS
11A	R	TO BODY NO. 2 HARNESS
12A	BR	TO BODY NO. 2 HARNESS
13A	G	TO BODY NO. 2 HARNESS
14A	R/G	TO BODY NO. 2 HARNESS
15A	O	TO BODY NO. 2 HARNESS
16A	O/L	TO BODY NO. 2 HARNESS
17A	L	TO BODY NO. 2 HARNESS
18A	Y	TO BODY NO. 2 HARNESS
19A	B/W	TO BODY NO. 2 HARNESS
20A	BR/Y	TO BODY NO. 2 HARNESS
21A	BG	TO BODY NO. 2 HARNESS
22A	G	TO BODY NO. 2 HARNESS
23A	Y	TO BODY NO. 2 HARNESS
24A	L	TO BODY NO. 2 HARNESS
25A	–	TO BODY NO. 2 HARNESS
26A	GR	TO BODY NO. 2 HARNESS
27A	LG	TO BODY NO. 2 HARNESS
28A	LG	TO BODY NO. 2 HARNESS
29A	GR	TO BODY NO. 2 HARNESS
30A	–	TO BODY NO. 2 HARNESS
31A	W/R	TO BODY NO. 2 HARNESS
32A	G/R	TO BODY NO. 2 HARNESS
33A	–	TO BODY NO. 2 HARNESS
34A	SHIELD	TO BODY NO. 2 HARNESS
35A	P	TO BODY NO. 2 HARNESS
36A	B	TO BODY NO. 2 HARNESS
37A	–	TO BODY NO. 2 HARNESS
38A	R/B	TO BODY NO. 2 HARNESS
39A	G/O	TO BODY NO. 2 HARNESS
40A	V	TO BODY NO. 2 HARNESS
41A	SHIELD	TO BODY NO. 2 HARNESS
42A	SHIELD	TO BODY NO. 2 HARNESS
43A	R	TO BODY NO. 2 HARNESS
44A	G	TO BODY NO. 2 HARNESS
45A	–	TO BODY NO. 2 HARNESS
46A	–	TO BODY NO. 2 HARNESS
47A	Y	TO BODY NO. 2 HARNESS
48A	R/W	TO BODY NO. 2 HARNESS
49A	R/L	TO BODY NO. 2 HARNESS
50A	B	TO BODY NO. 2 HARNESS
51A	–	TO BODY NO. 2 HARNESS
52A	–	TO BODY NO. 2 HARNESS
53A	–	TO BODY NO. 2 HARNESS
54A	–	TO BODY NO. 2 HARNESS
55A	–	TO BODY NO. 2 HARNESS
56A	–	TO BODY NO. 2 HARNESS
57A	–	TO BODY NO. 2 HARNESS
58A	–	TO BODY NO. 2 HARNESS
59A	–	TO BODY NO. 2 HARNESS
60A	G/W	TO BODY NO. 2 HARNESS
61A	–	TO BODY NO. 2 HARNESS
62A	–	TO BODY NO. 2 HARNESS
63A	–	TO BODY NO. 2 HARNESS
64A	–	TO BODY NO. 2 HARNESS
65A	–	TO BODY NO. 2 HARNESS
66A	–	TO BODY NO. 2 HARNESS
67A	–	TO BODY NO. 2 HARNESS
68A	–	TO BODY NO. 2 HARNESS
69A	Y/R	TO BODY NO. 2 HARNESS
70A	R/G	TO BODY NO. 2 HARNESS
71A	–	TO BODY NO. 2 HARNESS
72A	W	TO BODY NO. 2 HARNESS
73A	G	TO BODY NO. 2 HARNESS
74A	W	TO BODY NO. 2 HARNESS
75A	SHIELD	TO BODY NO. 2 HARNESS
76A	R	TO BODY NO. 2 HARNESS
77A	L	TO BODY NO. 2 HARNESS
78A	SHIELD	TO BODY NO. 2 HARNESS
79A	GR	TO BODY NO. 2 HARNESS
80A	V	TO BODY NO. 2 HARNESS
81A	R	TO BODY NO. 2 HARNESS
82A	SHIELD	TO BODY NO. 2 HARNESS
83A	R	TO BODY NO. 2 HARNESS
84A	O	TO BODY NO. 2 HARNESS
85A	SHIELD	TO BODY NO. 2 HARNESS
86A	W	TO BODY NO. 2 HARNESS
87A	B	TO BODY NO. 2 HARNESS
88A	W	TO BODY NO. 2 HARNESS
89A	SHIELD	TO BODY NO. 2 HARNESS
90A	G	TO BODY NO. 2 HARNESS
91A	W/L	TO BODY NO. 2 HARNESS
92A	BR	TO BODY NO. 2 HARNESS
93A	L/Y	TO BODY NO. 2 HARNESS
94A	P/L	TO BODY NO. 2 HARNESS
95A	BR	TO BODY NO. 2 HARNESS
96A	R	TO BODY NO. 2 HARNESS
97A	LG	TO BODY NO. 2 HARNESS
98A	B/V	TO BODY NO. 2 HARNESS
99A	O/L	TO BODY NO. 2 HARNESS
100A	BR/W	TO BODY NO. 2 HARNESS

AAHIA0672GB

SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

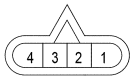
H.S.



Terminal No.	Color of Wire	Signal Name
1J	G	TO BODY HARNESS
2J	R/Y	TO BODY HARNESS
3J	L	TO BODY HARNESS
4J	L/B	TO BODY HARNESS
5J	B	TO BODY HARNESS
6J	BR	TO BODY HARNESS
7J	BG	TO BODY HARNESS
8J	SB	TO BODY HARNESS
9J	BR	TO BODY HARNESS
10J	R	TO BODY HARNESS
11J	O/B	TO BODY HARNESS
12J	L	TO BODY HARNESS
13J	W	TO BODY HARNESS
14J	Y	TO BODY HARNESS
15J	–	TO BODY HARNESS
16J	R	TO BODY HARNESS
17J	G	TO BODY HARNESS
18J	SB	TO BODY HARNESS
19J	O	TO BODY HARNESS
20J	O/B	TO BODY HARNESS
21J	Y	TO BODY HARNESS
22J	P	TO BODY HARNESS
23J	W	TO BODY HARNESS
24J	W/R	TO BODY HARNESS
25J	P	TO BODY HARNESS
26J	L	TO BODY HARNESS
27J	R	TO BODY HARNESS
28J	L	TO BODY HARNESS
29J	G/O	TO BODY HARNESS
30J	SB	TO BODY HARNESS
31J	L/G	TO BODY HARNESS
32J	R	TO BODY HARNESS
33J	BG	TO BODY HARNESS
34J	Y	TO BODY HARNESS
35J	P	TO BODY HARNESS
36J	G/R	TO BODY HARNESS
37J	LG	TO BODY HARNESS
38J	SB	TO BODY HARNESS
39J	Y	TO BODY HARNESS
40J	SB	TO BODY HARNESS
41J	L	TO BODY HARNESS
42J	L	TO BODY HARNESS
43J	W	TO BODY HARNESS
44J	BR	TO BODY HARNESS
45J	BG	TO BODY HARNESS
46J	P	TO BODY HARNESS
47J	O	TO BODY HARNESS
48J	V	TO BODY HARNESS
49J	BR	TO BODY HARNESS
50J	G/W	TO BODY HARNESS
51J	–	TO BODY HARNESS
52J	SHIELD	TO BODY HARNESS
53J	R	TO BODY HARNESS
54J	L	TO BODY HARNESS
55J	R	TO BODY HARNESS
56J	W	TO BODY HARNESS
57J	R	TO BODY HARNESS
58J	B	TO BODY HARNESS
59J	–	TO BODY HARNESS
60J	SHIELD	TO BODY HARNESS
61J	G	TO BODY HARNESS
62J	–	TO BODY HARNESS
63J	R/W	TO BODY HARNESS
64J	L/W	TO BODY HARNESS
65J	SHIELD	TO BODY HARNESS
66J	B	TO BODY HARNESS
67J	SHIELD	TO BODY HARNESS
68J	W	TO BODY HARNESS
69J	SHIELD	TO BODY HARNESS
70J	B/R	TO BODY HARNESS
71J	L/W	TO BODY HARNESS
72J	–	TO BODY HARNESS
73J	–	TO BODY HARNESS
74J	SHIELD	TO BODY HARNESS
75J	R	TO BODY HARNESS
76J	O	TO BODY HARNESS
77J	SHIELD	TO BODY HARNESS
78J	W	TO BODY HARNESS
79J	B	TO BODY HARNESS
80J	W	TO BODY HARNESS
81J	SHIELD	TO BODY HARNESS
82J	L/R	TO BODY HARNESS
83J	–	TO BODY HARNESS
84J	–	TO BODY HARNESS
85J	W	TO BODY HARNESS
86J	G	TO BODY HARNESS
87J	W	TO BODY HARNESS
88J	SHIELD	TO BODY HARNESS
89J	R	TO BODY HARNESS
90J	L	TO BODY HARNESS
91J	L/B	TO BODY HARNESS
92J	SB	TO BODY HARNESS
93J	B	TO BODY HARNESS
94J	LG	TO BODY HARNESS
95J	L	TO BODY HARNESS
96J	G	TO BODY HARNESS
97J	B/Y	TO BODY HARNESS
98J	L/B	TO BODY HARNESS
99J	W/L	TO BODY HARNESS
100J	Y	TO BODY HARNESS

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	RK04FY-BD
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	O	TO FRONT PASSENGER AIR BAG JUMPER HARNESS
2	G	TO FRONT PASSENGER AIR BAG JUMPER HARNESS
3	P	TO FRONT PASSENGER AIR BAG JUMPER HARNESS
4	Y	TO FRONT PASSENGER AIR BAG JUMPER HARNESS

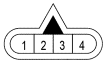
Connector No.	M100
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
23	Y	DR1 (+)
24	R	DR1 (-)

Connector No.	M103
Connector Name	WIRE TO WIRE
Connector Type	RK04MY-BD
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	TO MAIN HARNESS
2	R	TO MAIN HARNESS
3	Y	TO MAIN HARNESS
4	Y	TO MAIN HARNESS

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M105
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	ACA02FY-2V
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	R	AS1 (+)
2	R	AS1 (-)

Connector No.	M106
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	ACA02FOR-2V
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
3	Y	AS2 (+)
4	Y	AS2 (-)

Connector No.	M163
Connector Name	COMBINATION METER (WITH TYPE B)
Connector Type	TH40FW-NH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	GND (ILL)

2	B	GND (CIRCUIT)
3	B	GND (POWER)
4	–	–
5	–	–
6	R	BAT
7	V	SECURITY
8	W	IGN
9	BG	AS BELT SW
10	LG	TOW MODE SW
11	BR	CHG
12	B	SATELLITE SW GND
13	B	STRG SW GND
14	R	ACC
15	W	OUTSIDE TEMP SENSOR
16	O	AIR BAG
17	–	–
18	P	TRIP RESET SW
19	–	OIL LEVEL GND
20	R	OUTSIDE TEMP GND
21	–	–
22	P	STRG SW A
23	R	STRG SW B
24	W	WAHSER SW
25	–	BRAKE OIL SW
26	G	PKB SW
27	–	–
28	O/B	DR BELT SW
29	–	–
30	Y/V	FUEL SENSOR GND
31	BR/Y	FUEL SENSOR
32	BR	AT SHIFT UP
33	V/W	AT SHIFT DOWN
34	L	CAN-H
35	P	CAN-L
36	W	ILL UP SW
37	R	ILL DOWN SW
38	G	8P/R OUTPUT
39	–	–
40	GR	ILL CONT OUT

Connector No.	M191
Connector Name	JOINT CONNECTOR-M01
Connector Type	NH24FW-J
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	BR	GND
2	B	GND
3	B	GND
4	B	GND
5	BR	GND
6	B	GND
7	B	GND
8	B	GND
9	BR	GND
10	B	GND
11	B	GND
12	B	GND
13	B	GND
14	B	GND
15	B	GND
16	–	GND
17	B	GND
18	B	GND
19	SHIELD	–
20	B	GND
21	B	GND
22	B	GND
23	B	GND
24	B	GND

AAHIA0674GB

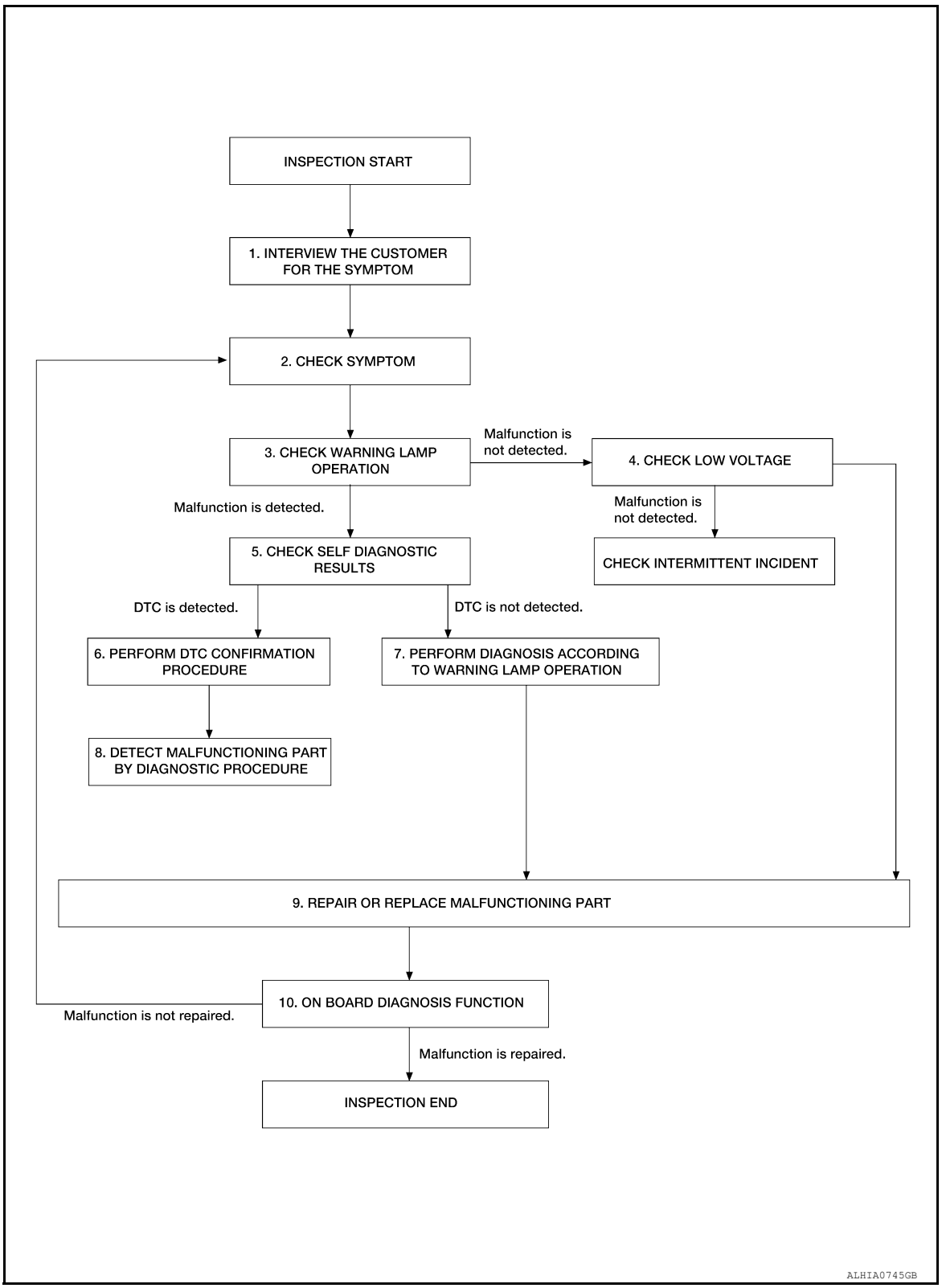
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000013037194

OVERALL SEQUENCE



DETAILED FLOW

1.INTERVIEW THE CUSTOMER FOR THE SYMPTOM

Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs).

>> GO TO 2.

2.CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3.CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode.

Are any malfunctions detected?

YES >> GO TO 5.
NO >> GO TO 4.

4.CHECK LOW VOLTAGE

Check low voltage with CONSULT.

Are any malfunctions detected?

YES >> GO TO 9.
NO >> Check intermittent incident. Refer to GI-43, "Intermittent Incident".

5.CHECK SELF DIAGNOSTIC RESULT

Check “Self Diagnostic Result” with CONSULT or diagnosis mode.
If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected.

NOTE:
Perform the following procedure if DTC is detected:

- Record DTC. (Print it out with CONSULT.)
- Erase “Self Diagnostic Result”.
- Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
- Check related service bulletins for information.

Is DTC detected?

YES >> GO TO 6.
NO >> GO TO 7.

6.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC Confirmation Procedure for the DTC.

>> GO TO 8.

7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

1. Check air bag warning lamp operation in the user mode.
2. Perform Diagnosis Procedure for the air bag warning lamp operation.

>> GO TO 9.

8.DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

Inspect according to Diagnosis Procedure of the DTC.

>> GO TO 9.

9.REPAIR OR REPLACE THE MALFUNCTIONING PART

Repair or replace the malfunctioning part.

>> GO TO 10.

10. ON BOARD DIAGNOSIS FUNCTION

Check “Self Diagnostic Result” and air bag warning lamp operation in the user mode.

Is the malfunction repaired?

YES >> Inspection End.
NO >> GO TO 2.

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000013037195

INTERMITTENT TROUBLE

An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on “Self Diagnostic Result [CURRENT]” but may be viewed on “Self Diagnostic Result [PAST]” if the DTC has not been erased.

Trouble Diagnosis with CONSULT

INFOID:0000000013037196

CHECK SRS REPAIR HISTORY

Refer to SRC-12, "SRS History Check".

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000013030891

CAN (Controller Area Network) is a serial communication system for real-time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line), allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to LAN-70, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart".

DTC Logic

INFOID:0000000013030892

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	
U1000-01	CAN COMM CIRCUIT	Diagnosis condition	When ignition switch is ON
		Signal (terminal)	—
		Threshold	—
		Diagnosis delay time	—

POSSIBLE CAUSE

- CAN communication system

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF DIAGNOSTIC RESULT

CONSULT

1. Turn ignition switch ON and wait for 7 seconds or more.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.
3. Check DTC.

Is DTC detected?

YES >> Refer to SRC-36, "Diagnosis Procedure".
NO >> Refer to GI-43, "Intermittent Incident".

Diagnosis Procedure

INFOID:0000000013030893

1.CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to LAN-51, "Trouble Diagnosis Flow Chart".

>> Inspection End.

U1010 CONTROL UNIT (CAN)

Description

INFOID:0000000013030894

Air bag diagnosis sensor unit performs self-tests at key ON. If CAN communication failure within control unit is detected, DTC is set.

DTC Logic

INFOID:0000000013030895

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	
U1010–49	CONTROL UNIT (CAN)	Diagnosis condition	When ignition switch is ON
		Signal (terminal)	—
		Threshold	—
		Diagnosis delay time	—

POSSIBLE CAUSE

- Air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF DIAGNOSTIC RESULT

CONSULT

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.
3. Check DTC.

Is DTC detected?

YES >> Refer to SRC-37, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030896

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

>> Inspection End.

B0001 DRIVER AIRBAG MODULE

DTC Description

INFOID:0000000013030897

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition		
B0001	DRIVER AIRBAG MODULE [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 3 and 4)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 3 and 4)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 3 and 4)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 3 and 4)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.
3. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-39, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-39, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-39, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030898

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.
NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module harness connectors and spiral cable harness connector.
3. Check continuity between driver air bag module harness connector and spiral cable connector.

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M100	23	M29	6	Yes
	24		4	

4. Check continuity between driver air bag module harness connector and ground.

Driver air bag module		Ground	Continuity
Connector	Terminal		
M100	23		No
	24		

Is the inspection result normal?

YES >> GO TO 5.
NO >> Replace the spiral cable. Refer to SR-14, "Removal and Installation".

5.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Refer to GI-43, "Intermittent Incident".

6.DRIVER AIR BAG MODULE

CONSULT
1. Replace the driver air bag module. Refer to SR-12, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 8.
NO >> Clear DTC. Inspection End.

7.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC. Inspection End.

8.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0010, B0011 PASSENGER AIRBAG MODULE

DTC Description

INFOID:0000000013030899

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0010	ASSIST A/B MODULE [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 6 and 7)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 6 and 7)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 6 and 7)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 6 and 7)
			Threshold	—
			Diagnosis delay time	—
B0011	ASSIST A/B MODULE 2 [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 8 and 9)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE 2 [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 8 and 9)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE 2 [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 8 and 9)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE 2 [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 8 and 9)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-43, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-43, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-43, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030900

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.FRONT PASSENGER AIR BAG MODULE

CONSULT
1. Replace the front passenger air bag module. Refer to SR-17, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0020 SIDE AIRBAG MODULE LH

DTC Description

INFOID:0000000013030901

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0020	SIDE A/B MODULE LH [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 33 and 34)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 33 and 34)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 33 and 34)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE LH [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 33 and 34)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-47, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-47, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-47, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030902

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. SIDE AIR BAG MODULE LH

CONSULT
1. Replace the side air bag module LH. Refer to SR-21, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0021 SIDE CURTAIN AIR BAG MODULE LH

DTC Description

INFOID:0000000013030905

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0021	CURTAIN A/B MODULE LH [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module circuit (terminal 37 and 38)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module circuit (terminal 37 and 38)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module circuit (terminal 37 and 38)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE LH [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module circuit (terminal 37 and 38)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-50, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-50, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-50, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030906

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.SIDE CURTAIN AIR BAG MODULE LH

CONSULT

1. Replace the side curtain air bag module LH. Refer to SR-19, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0028 SIDE AIRBAG MODULE RH

DTC Description

INFOID:0000000013030903

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0028	SIDE A/B MODULE RH [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 31 and 32)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 31 and 32)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 31 and 32)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE RH [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 31 and 32)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-53, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-53, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-53, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030904

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. SIDE AIR BAG MODULE RH

CONSULT

1. Replace the side air bag module RH.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0029 SIDE CURTAIN AIR BAG MODULE RH

DTC Description

INFOID:0000000013030907

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0029	CURTAIN A/B MODULE RH [OPEN]	13	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	RH side curtain air bag module circuit (terminal 35 and 36)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE RH [VB-SHORT]	12	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	RH side curtain air bag module circuit (terminal 35 and 36)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE RH [GND-SHORT]	11	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	RH side curtain air bag module circuit (terminal 35 and 36)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE RH [SHORT]	1A	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	RH side curtain air bag module circuit (terminal 35 and 36)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL - SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-56, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-56, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-56, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030908

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. SIDE CURTAIN AIR BAG MODULE RH

CONSULT
1. Replace the side curtain air bag module RH. Refer to SR-19, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

DTC Description

INFOID:0000000013030911

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0091	B-PILLAR SAT SEN LH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 49 and 50)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and B-pillar satellite sensor LH are different from parts specified.

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-59, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-59, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-59, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030912

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**

- **Never use unspecified tester or other measuring device.**

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. FRONT SIDE AIR BAG SATELLITE SENSOR LH

CONSULT
1. Replace the front side air bag satellite sensor LH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.

3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

DTC Description

INFOID:0000000013488201

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0092	C-PILLAR SAT SEN LH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [DISCONNECT]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—

DTC	CONSULT name	DTC detecting condition		
B0092	C-PILLAR SAT SEN LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 63 and 64)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN], [DISCONNECT]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and C-pillar satellite sensor LH is different from the part specified

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-64, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-64, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-64, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013488202

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. REAR SIDE AIR BAG SATELLITE SENSOR LH

CONSULT
1. Replace the rear side air bag satellite sensor LH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Description

INFOID:0000000013030913

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0093	DOOR SATEL SENS LH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]

- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and front door satellite sensor LH are different from the parts specified.

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-67, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-67, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-67, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030914

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal

- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.FRONT DOOR SATELLITE SENSOR LH

CONSULT
1. Replace the front door satellite sensor LH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0094 CRASH ZONE SENSOR

DTC Description

INFOID:0000000013030909

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0094	CRASH ZONE SENS [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 18 and 19)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector

- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and crash zone sensor are different from the parts specified.

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE
—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-71, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-71, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-71, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030910

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal

- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.CRASH ZONE SENSOR

CONSULT
1. Replace the crash zone sensor. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

INFOID:0000000013030915

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0096	B-PILLAR SAT SEN RH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front side air bag satellite sensor RH (terminals 47 and 48)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of front side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of front side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and front side air bag satellite sensor RH is different from the part specified

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of front side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of front side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-75, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-75, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-75, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030916

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. FRONT SIDE AIR BAG SATELLITE SENSOR RH

CONSULT
1. Replace the front side air bag satellite sensor RH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

INFOID:0000000013488203

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B0097	C-PILLAR SAT SEN RH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of rear side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of rear side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and rear side air bag satellite sensor RH is different from the part specified

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of rear side air bag sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of rear side air bag satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-80, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-80, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-80, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013488204

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.REAR SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the rear side air bag satellite sensor RH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Description

INFOID:0000000013030917

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0098	DOOR SATEL SENS RH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 51 and 52)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and front door satellite sensor RH are different from the parts specified.

[OFFSET ERR], [SELF-DIAD ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-85, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-85, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-85, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030918

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.FRONT DOOR SATELLITE SENSOR RH

CONSULT
1. Replace the front door satellite sensor RH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

INFOID:0000000013030921

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1400	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1401	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1402	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1403	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1404	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1405	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

With CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to SRC-89, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-43, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000013030922

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).**
- **Never use an unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-88, "DTC Description".

Is DTC detected?

YES >> GO TO 1.
NO >> Inspection End.

B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

INFOID:0000000013030923

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition		
B1406	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1407	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1408	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1409	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1410	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to SRC-91, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-43, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000013030924

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).**
- **Never use an unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-90, "DTC Description".

Is DTC detected?

YES >> GO TO 1.
NO >> Inspection End.

B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

INFOID:0000000013030925

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1411	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1412	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1413	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1414	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1415	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to SRC-92, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-43, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000013030926

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).**
- **Never use unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-92, "DTC Description".

Is DTC detected?

YES >> GO TO 1.
NO >> Inspection End.

B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

INFOID:0000000013030927

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition		
B1416	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, EEPROM
			Threshold	—
			Diagnosis delay time	—
B1417	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, Algorithm
			Threshold	—
			Diagnosis delay time	—
B1418	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, Configuration
			Threshold	—
			Diagnosis delay time	—
B1419	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, other component
			Threshold	—
			Diagnosis delay time	—
B1420	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, other component
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to SRC-95, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-43, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000013030928

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).**
- **Never use an unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-94, "DTC Description".

Is DTC detected?

YES >> GO TO 1.
NO >> Inspection End.

B142A IGNITION VOLTAGE

DTC Description

INFOID:0000000013030929

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B142A	IGNITION VOLTAGE [VB-LOW]	16	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Ignition voltage low at air bag diagnosis sensor unit.
			Threshold	—
			Diagnosis delay time	—
	IGNITION VOLTAGE [VB-HIGH]	17	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Ignition voltage high at air bag diagnosis sensor unit.
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[VB-LOW]
- Malfunction of battery voltage (low voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

[VB-HIGH]
- Malfunction of battery voltage (high voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-97, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-97, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-97, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030930

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.CHECK BATTERY VOLTAGE

Check battery voltage. Refer to PG-164, "How to Handle Battery".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace battery. Refer to PG-176, "Removal and Installation - CUMMINS 5.0L".

2.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

3.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

4.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

5.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.

3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B142X COLLISION DETECTION

DTC Description

INFOID:0000000013030931

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1421	FRONTAL COLLISION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1422	SIDE COLLISION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1423	ROLLOVER DETECTION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1425	REAR COLLISION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[B1421-00]
- Malfunction of frontal-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1422-00]
- Malfunction of side-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1423-00]
- Malfunction of side-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1425-00]
- Malfunction of rear-related parts
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

YES >> Refer to SRC-100, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-43, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000013030932

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)**
- **Never use unspecified tester or other measuring device.**

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover Collision".

>> GO TO 2.

2.FINAL INSPECTION

Select “Self Diagnostic Result” mode “AIR BAG”.

Is the inspection result normal?

YES >> Inspection End,
NO >> Perform diagnosis of applicable DTC. Refer to SRC-14, "DTC Index".

B1430 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:0000000013030937

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1430	PRE-TEN FRONT LH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 12 and 13).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 12 and 13).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (terminal 12 and 13).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 12 and 13).
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-102, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-102, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-102, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030938

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.
NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. SEAT BELT PRE-TENSIONER LH

CONSULT
1. Replace the seat belt pre-tensioner LH. Refer to SR-29, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 1.
NO >> Clear DTC. Inspection End.

B1431 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:0000000013030939

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1431	PRE-TEN FRONT RH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 10 and 11).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 10 and 11).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (terminal 10 and 11).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 10 and 11).
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-105, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-105, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-105, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000013030940

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5. SEAT BELT PRE-TENSIONER RH

CONSULT

1. Replace the seat belt pre-tensioner RH. Refer to SR-29, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 1.
NO >> Clear DTC. Inspection End.

B1500 DOOR SATELLITE SENSOR

DTC Description

INFOID:0000000012545307

DTC DETECTION LOGIC

DTC	CONSULT name			
B1500	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Lower limit value malfunction of front door satellite sensor LH or RH.
			Threshold	—
			Diagnosis delay time	—
	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Upper limit value malfunction of front door satellite sensor LH or RH.
			Threshold	—
			Diagnosis delay time	—
	DOOR SATELLITE SENSOR [PERFRM/INCRCT OPE]	92	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Malfunction of front door satellite sensor LH or RH.
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[B1500–23, B1500–24, B1500–92]
- Internal malfunction of front door satellite sensor LH or RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-108, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-108, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-11, "SRS Operation Check".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.

Is the DTC detected?

YES >> Refer to SRC-108, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012545308

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-43, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-43, "Intermittent Incident".

5.FRONT DOOR SATELLITE SENSOR LH AND RH

1. Replace the front door satellite sensor LH and RH. Refer to SR-24, "Removal and Installation - Side Air Bag (Satellite) Sensor".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **Inspection End.**

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Air Bag Warning Lamp Does Not Turn On

INFOID:0000000013037225

1.CHECK METER FUSE

Check the 10A fuse [No. 13, located in the fuse block (J/B)].

Is the fuse blown?

YES >> GO TO 2.
NO >> GO TO 3.

2.REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [No. 13, located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

YES >> Replace fuse and harness.
NO >> Inspection End.

3.CHECK HARNESS CONNECTIONS BETWEEN AIR BAG DIAGNOSIS SENSOR UNIT AND COMBINATION METER

Inspect the harness and connectors between the air bag diagnosis sensor unit and the combination meter.

Do the harness or connectors have any visible damage?

YES >> Replace harness.
NO >> GO TO 4.

4.CHECK COMBINATION METER

Disconnect the air bag diagnosis sensor unit harness connectors and turn ignition switch ON.

Does air bag warning lamp turn on?

YES >> Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
NO >> Replace the combination meter. Refer to MWI-108, "Removal and Installation".

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000013491559

1.CHECK AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Check the deployment of airbag module.

Is air bag module deployed?

YES >> Replace the malfunctioning parts.
NO >> GO TO 2.

2.CHECK THE AIR BAG FUSE

Check the 10 A fuse [No. 13, located in the fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace the fuse.

3.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace harness connectors.

4.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.
NO >> Replace wiring harness.

5.REPLACE COMBINATION METER

1. Replace combination meter. Refer to MWI-108, "Removal and Installation".
2. Check air bag warning lamp operation.

Does air bag warning lamp turn ON?

YES >> Inspection End.
NO >> GO TO 6.

6.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Check air bag warning lamp operation.

Does air bag warning lamp turn ON?

YES >> Inspection End.
NO >> GO TO 1.