

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

A
B
C
D
E

F

G

SRC

H

I

J

K

L

M

N

O

P

CONTENTS

PRECAUTION	4	SEAT BELT WARNING LAMP SYSTEM : System Description	13
PRECAUTIONS	4	DIAGNOSIS SYSTEM (AIR BAG)	15
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	4	Diagnosis Description	15
Occupant Classification System Precaution	4	SRS Operation Check	15
SYSTEM DESCRIPTION	5	Trouble Diagnosis with CONSULT	16
COMPONENT PARTS	5	SRS History Check	16
Component Parts Location	5	SRS Final Check	16
Component Description	6	CONSULT Function (AIR BAG)	17
Driver Air Bag Module	7	CONSULT Function (OCCUPANT DETECTION)....	17
Front Passenger Air Bag Module	7	ECU DIAGNOSIS INFORMATION	18
Side Air Bag Module	7	DIAGNOSIS SENSOR UNIT	18
Side Curtain Air Bag Module	7	DTC Index	18
Front Seat Belt Pre-tensioner	8	Flash Code Index	21
Air Bag Diagnosis Sensor Unit	8	WIRING DIAGRAM	24
Crash Zone Sensor	8	SRS AIR BAG CONTROL SYSTEM	24
Front Side Air Bag Satellite Sensor	9	Wiring Diagram-with type A meter	24
Rear Side Air Bag Satellite Sensor	9	Wiring Diagram-with type B meter	38
Front Door Satellite Sensor	9	BASIC INSPECTION	51
Front Passenger Air Bag Off Indicator	9	DIAGNOSIS AND REPAIR WORK FLOW	51
SRS Component Connectors	9	Work Flow	51
SYSTEM	11	INSPECTION AND ADJUSTMENT	54
SRS AIR BAG SYSTEM	11	ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT	54
SRS AIR BAG SYSTEM : System Diagram	11	ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description	54
SRS AIR BAG SYSTEM : System Description	11	ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement	54
OCCUPANT CLASSIFICATION SYSTEM	11	ZERO POINT RESET	54
OCCUPANT CLASSIFICATION SYSTEM : System Diagram	12	ZERO POINT RESET : Description	54
OCCUPANT CLASSIFICATION SYSTEM : System Description	12	ZERO POINT RESET : Special Repair Requirement	55
SEAT BELT WARNING LAMP SYSTEM	13		
SEAT BELT WARNING LAMP SYSTEM : System Diagram	13		

CONFIGURATION	55	B0094 CRASH ZONE SENSOR	92
CONFIGURATION : Description	55	DTC Description	92
CONFIGURATION : Work Procedure	55	Diagnosis Procedure	93
INTERMITTENT INCIDENT	57	B0096 FRONT SIDE AIR BAG SATELLITE	
Inspection Procedure	57	SENSOR RH	96
Trouble Diagnosis with CONSULT	57	DTC Description	96
DTC/CIRCUIT DIAGNOSIS	58	Diagnosis Procedure	97
U1000 CAN COMM CIRCUIT	58	B0097 REAR SIDE AIR BAG SATELLITE	
Description	58	SENSOR RH	100
DTC Logic	58	DTC Description	100
Diagnosis Procedure	58	Diagnosis Procedure	102
U1010 CONTROL UNIT (CAN)	59	B0098 FRONT DOOR SATELLITE SENSOR	
Description	59	RH	105
DTC Logic	59	DTC Description	105
Diagnosis Procedure	59	Diagnosis Procedure	107
B0001 DRIVER AIRBAG MODULE	60	B00A0 OCCUPANT CLASSIFICATION SYS-	
DTC Description	60	TEM CONTROL UNIT	110
Diagnosis Procedure	61	Description	110
B0010, B0011 PASSENGER AIRBAG MOD-		DTC Description	110
ULE	64	Diagnosis Procedure (B00A0-00, -02 or -09)	111
DTC Description	64	Diagnosis Procedure (B00A0-04)	112
Diagnosis Procedure	65	Diagnosis Procedure (B00A0-83, -86, -87, -88 or -	
B0020 SIDE AIRBAG MODULE LH	68	8F)	113
DTC Description	68	Diagnosis Procedure (B00A0-93)	114
Diagnosis Procedure	69	B00D5 PASSENGER AIR BAG OFF INDICA-	
B0021 SIDE CURTAIN AIR BAG MODULE LH		TOR	117
DTC Description	71	DTC Description	117
Diagnosis Procedure	72	Diagnosis Procedure	118
B0028 SIDE AIRBAG MODULE RH	74	B1400, B1401, B1402, B1403, B1404, B1405	
DTC Description	74	AIR BAG DIAGNOSIS SENSOR UNIT	120
Diagnosis Procedure	75	DTC Description	120
B0029 SIDE CURTAIN AIR BAG MODULE		Diagnosis Procedure	121
RH	77	B1406, B1407, B1408, B1409, B1410 AIR	
DTC Description	77	BAG DIAGNOSIS SENSOR UNIT	122
Diagnosis Procedure	78	DTC Description	122
B0091 FRONT SIDE AIR BAG SATELLITE		Diagnosis Procedure	123
SENSOR LH	80	B1411, B1412, B1413, B1414, B1415 AIR	
DTC Description	80	BAG DIAGNOSIS SENSOR UNIT	124
Diagnosis Procedure	81	DTC Description	124
B0092 REAR SIDE AIR BAG SATELLITE		Diagnosis Procedure	124
SENSOR LH	84	B1416, B1417, B1418, B1419, B1420 AIR	
DTC Description	84	BAG DIAGNOSIS SENSOR UNIT	126
Diagnosis Procedure	86	DTC Description	126
B0093 FRONT DOOR SATELLITE SENSOR		Diagnosis Procedure	127
LH	88	B142A IGNITION VOLTAGE	128
DTC Description	88	DTC Description	128
Diagnosis Procedure	89	Diagnosis Procedure	129
B142X COLLISION DETECTION	131	B142X COLLISION DETECTION	131
DTC Description	131	DTC Description	131
Diagnosis Procedure	132	Diagnosis Procedure	132

B1430 SEAT BELT PRE-TENSIONER	133	
DTC Description	133	A
Diagnosis Procedure	134	
B1431 SEAT BELT PRE-TENSIONER	136	B
DTC Description	136	
Diagnosis Procedure	137	
B1500 DOOR SATELLITE SENSOR	139	C
DTC Description	139	
Diagnosis Procedure	140	
SYMPTOM DIAGNOSIS	142	D
SRS AIR BAG WARNING LAMP DOES NOT TURN ON	142	E
Air Bag Warning Lamp Does Not Turn On	142	
SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	143	
Diagnosis Procedure	143	
SEAT BELT WARNING SYSTEM	144	
Seat Belt Warning System Does Not Function	144	
A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT	145	
Description	145	
Diagnosis Procedure	145	
SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF	146	
Description	146	
Diagnosis Procedure	146	

SRC

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:0000000014392329

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:0000000014392330

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

COMPONENT PARTS

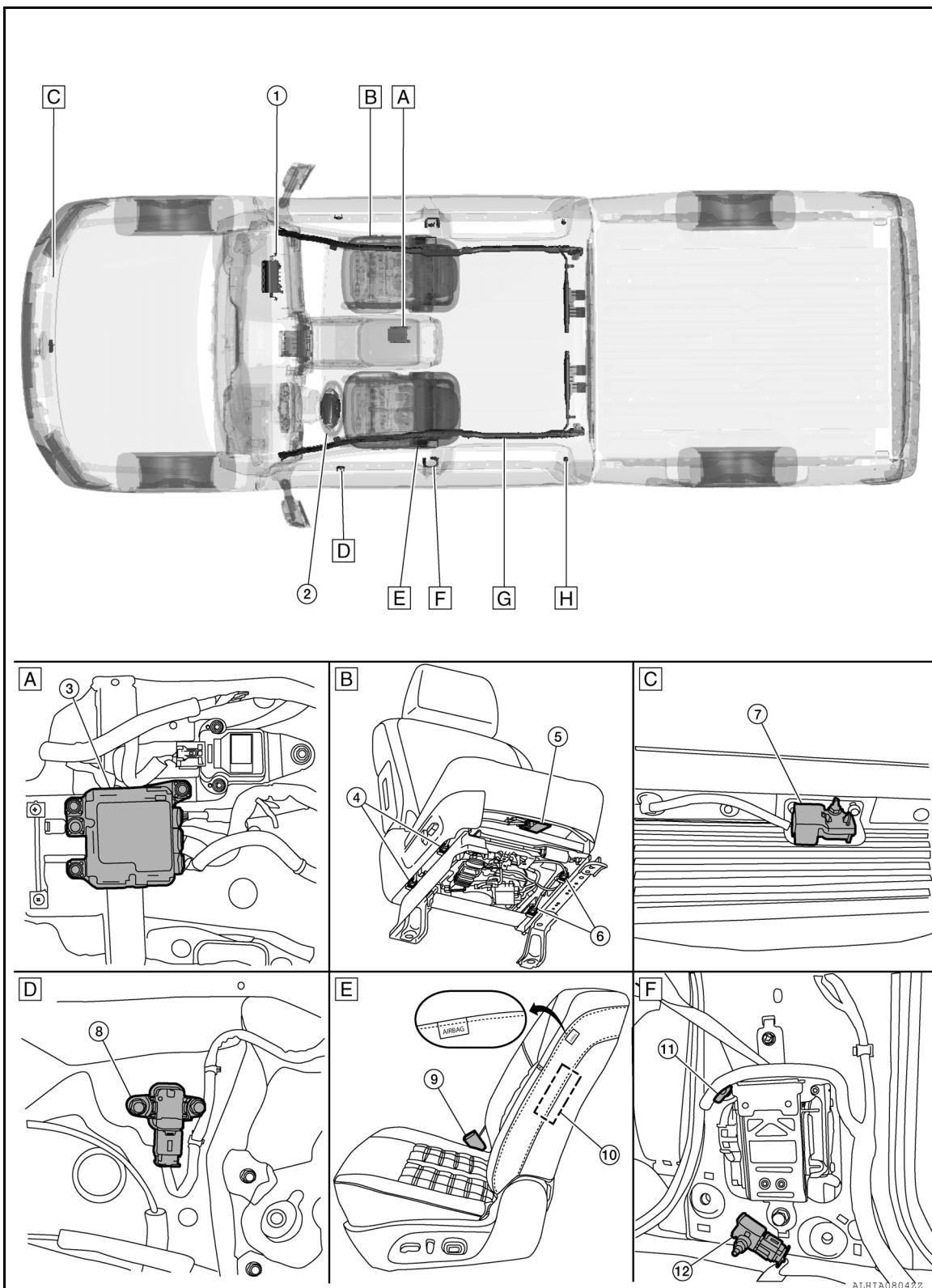
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:000000014392331

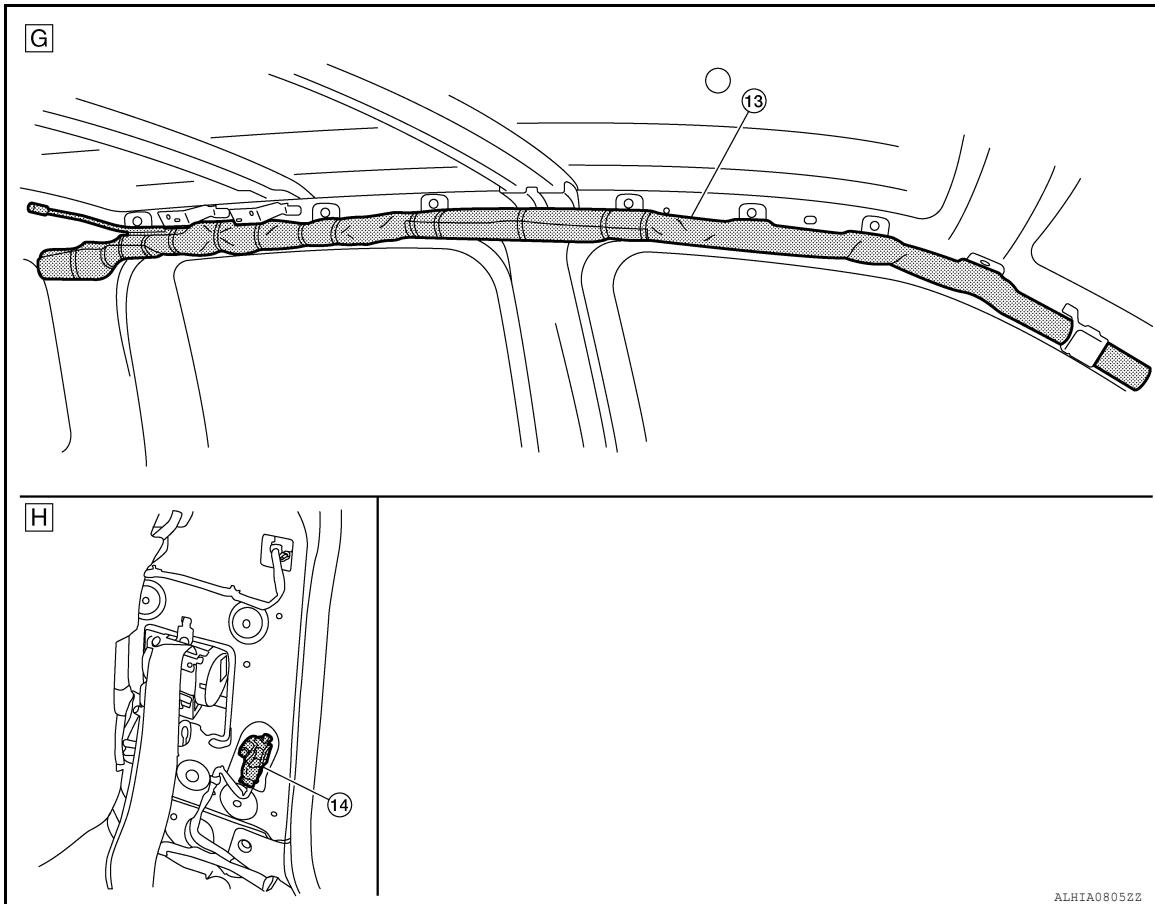


A
B
C
D
E
F
G
SRC

I
J
K
L
M
N
O
P

COMPONENT PARTS

< SYSTEM DESCRIPTION >



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

Component Description

INFOID:0000000014392332

No.	Component	Function
1.	Front passenger air bag module	Refer to SRC-7, "Front Passenger Air Bag Module" .
2.	Driver air bag module	Refer to SRC-7, "Driver Air Bag Module" .
3.	Air bag diagnosis sensor unit	Refer to SRC-8, "Air Bag Diagnosis Sensor Unit" .
4.	Occupant classification system sensor outer	
5.	Occupant classification sensor system control unit	Refer to SRC-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description" .
6.	Occupant classification system sensor inner	
7.	Crash zone sensor	Refer to SRC-8, "Crash Zone Sensor" .
8.	Front door satellite sensor LH	Refer to SRC-9, "Front Door Satellite Sensor" .
9.	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.

COMPONENT PARTS

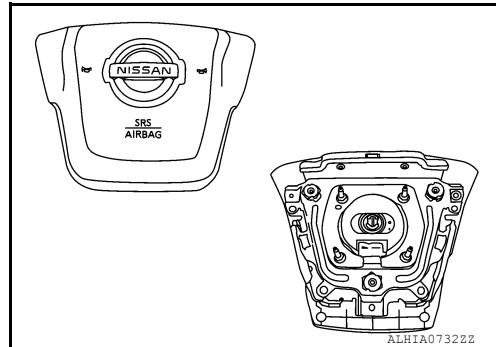
< SYSTEM DESCRIPTION >

No.	Component	Function
10.	Side air bag module LH	Refer to SRC-7, "Front Passenger Air Bag Module" .
11.	Front LH seat belt pre-tensioner	Refer to SRC-8, "Front Seat Belt Pre-tensioner" .
12.	Front side air bag satellite sensor LH	Refer to SRC-9, "Front Side Air Bag Satellite Sensor" .
13.	LH side curtain air bag module	Refer to SRC-7, "Side Curtain Air Bag Module" .
14.	Rear side air bag satellite sensor LH	Refer to SRC-9, "Rear Side Air Bag Satellite Sensor" .

Driver Air Bag Module

INFOID:0000000014392333

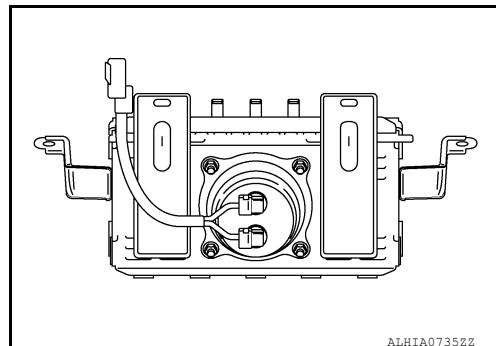
The driver air bag module is single stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:0000000014392334

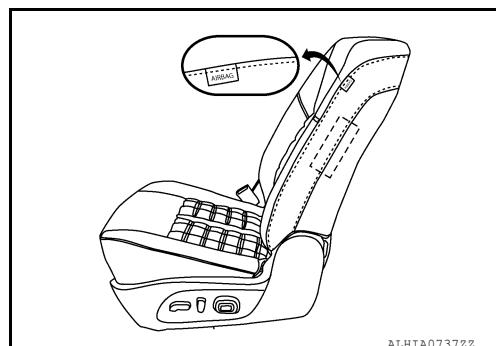
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to [SRC-11, "SRS AIR BAG SYSTEM : System Description"](#) for more information.



Side Air Bag Module

INFOID:0000000014392335

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

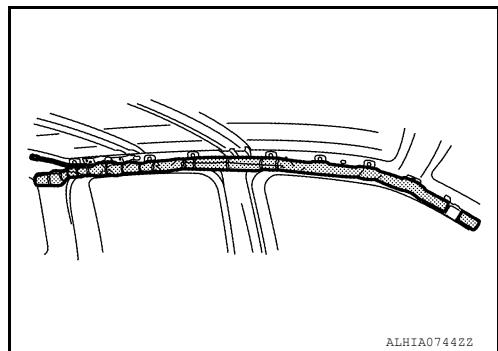
INFOID:0000000014392336

Side curtain air bag modules are located above the vehicle headlining.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.

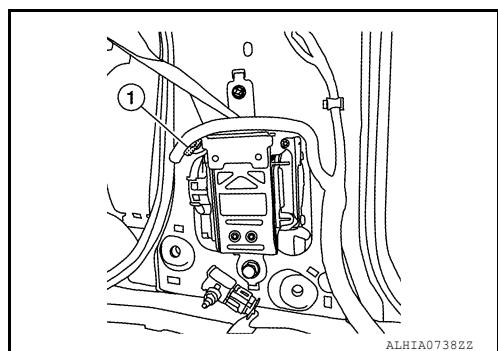


Front Seat Belt Pre-tensioner

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.

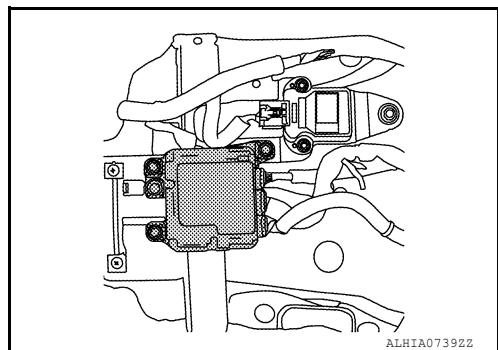
When a frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the shoulder belt pre-tensioner (1). Vehicle passengers are securely restrained.

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.



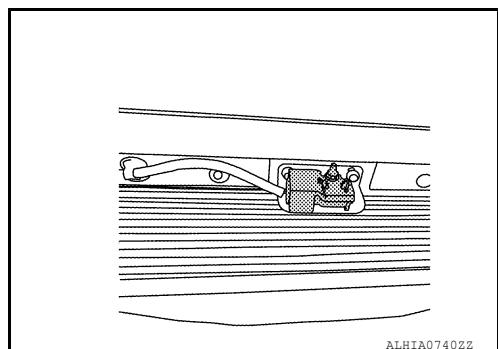
Air Bag Diagnosis Sensor Unit

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

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.



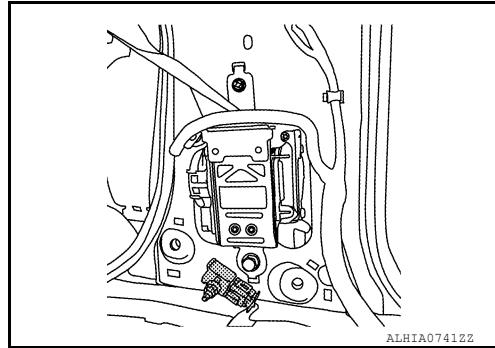
COMPONENT PARTS

< SYSTEM DESCRIPTION >

Front Side Air Bag Satellite Sensor

INFOID:0000000014392340

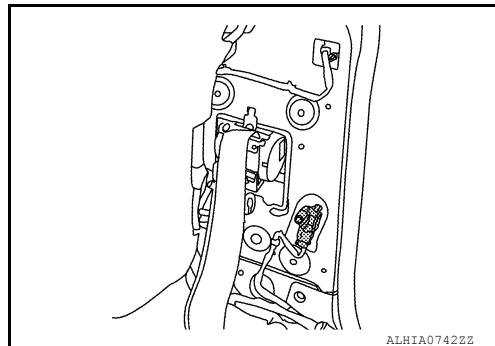
The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pre-tensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Rear Side Air Bag Satellite Sensor

INFOID:0000000014392341

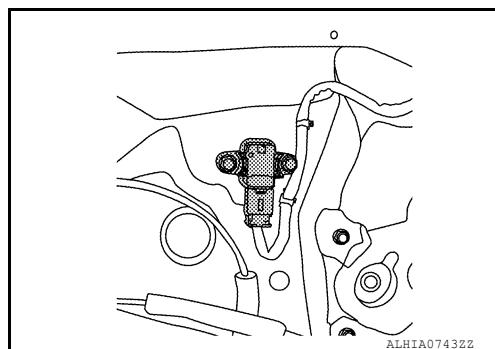
The rear side air bag satellite sensors are located behind the rear wheel house finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

INFOID:0000000014392342

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.



Front Passenger Air Bag Off Indicator

INFOID:0000000014692643

Front passenger air bag OFF indicator indicates whether or not passenger air bag is in the activation mode based on the judgment of occupant detection system.



SRS Component Connectors

INFOID:0000000014392343

DIRECT CONNECT

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

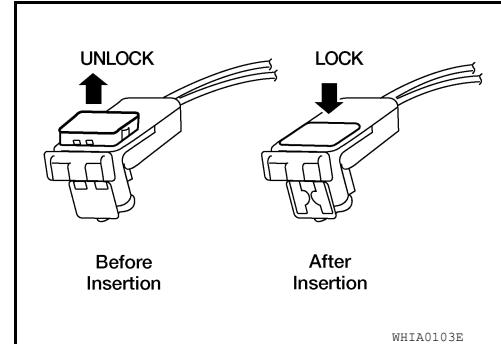
COMPONENT PARTS

< SYSTEM DESCRIPTION >

- 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.

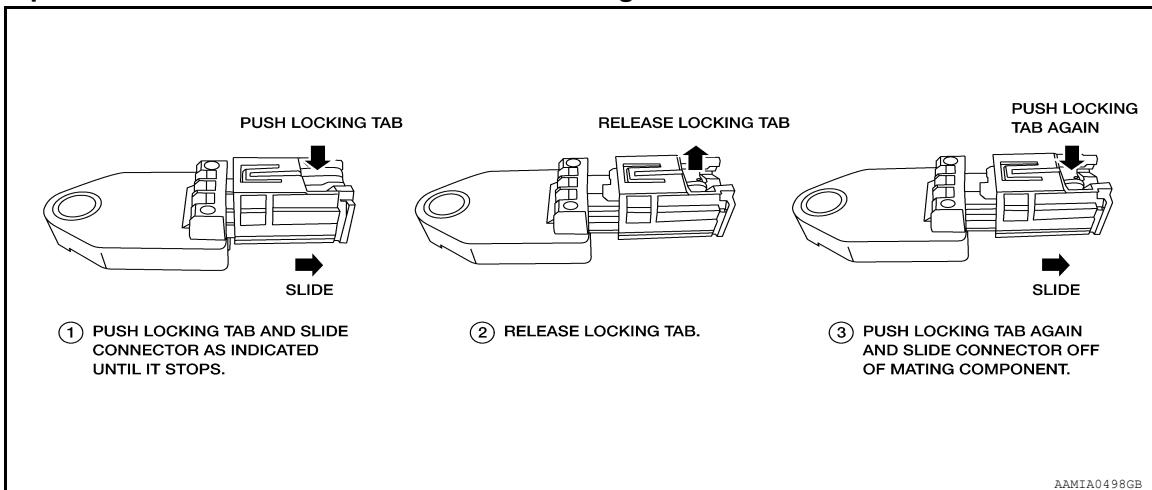


SLIDE DOUBLE LOCKING

- 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.



SYSTEM

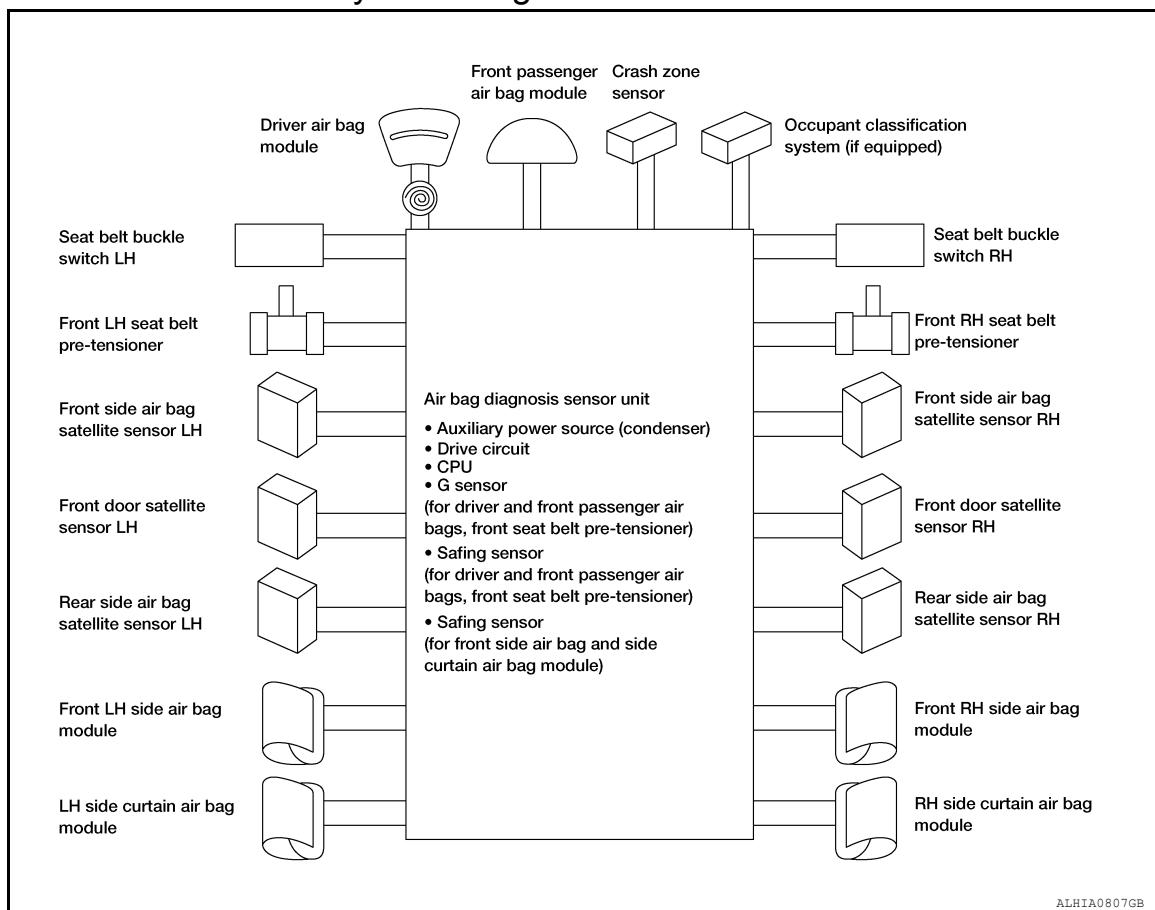
< SYSTEM DESCRIPTION >

SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Diagram

INFOID:000000014392344



SRS AIR BAG SYSTEM : System Description

INFOID:000000014392345

- 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

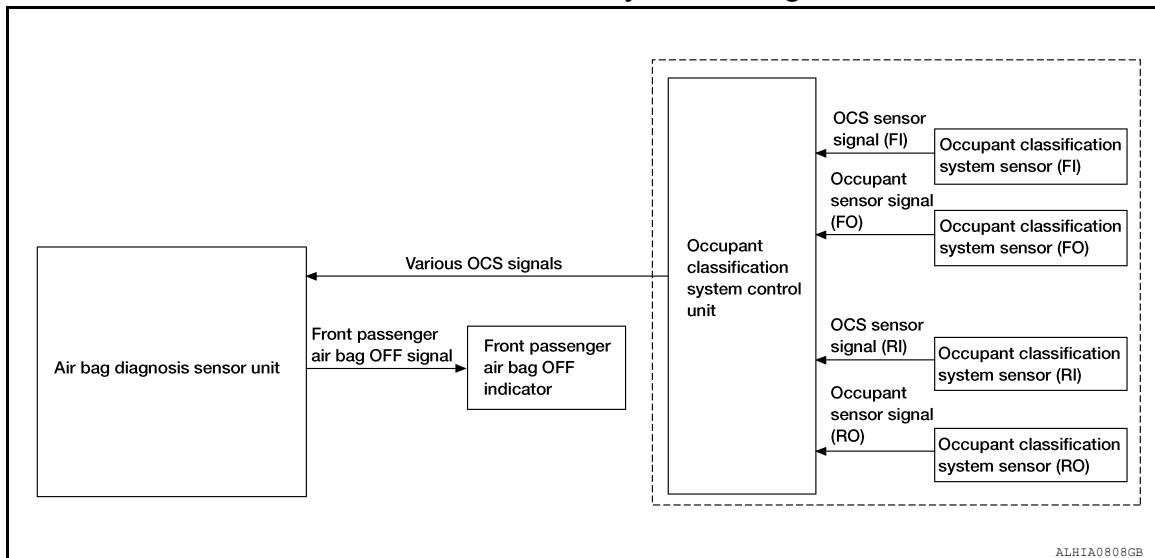
OCCUPANT CLASSIFICATION SYSTEM

SYSTEM

< SYSTEM DESCRIPTION >

OCCUPANT CLASSIFICATION SYSTEM : System Diagram

INFOID:0000000014692647



ALHIA0808GB

OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:0000000014692648

The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if a child seat is present in the front passenger seat. The OCS control unit (1) receives inputs from the occupant classification sensors (2) (located inside the passenger seat cushion assembly). Depending on classification of the passenger, the OCS sends a signal to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit uses this signal and the seat belt buckle switch RH signal to determine deployment or non-deployment of the passenger front air bag in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the passenger front air bag completely. The OCS (weight sensors) must be set to zero point using CONSULT after servicing the OCS system.

NOTE:

- CONSULT can be used to confirm when “zero point reset” for OCS is complete.
- Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
- If zero point reset is incomplete, the passenger air bag will be disabled and the passenger air bag off indicator will be ON.
- In case of customer concern, CONSULT can be used to confirm the passenger air bag status (readiness).

Passenger Air Bag Status Conditions

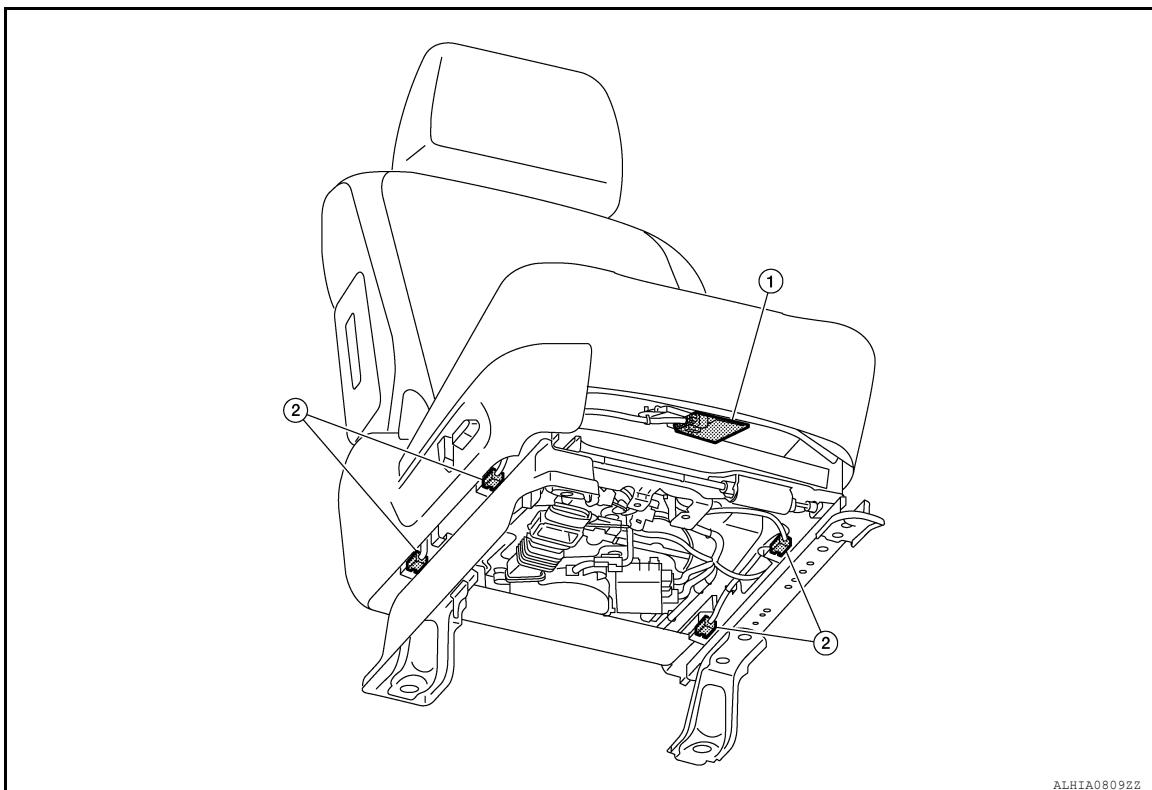
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied ^{NOTE}	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

NOTE:

Passenger does not meet Occupant Classification System specifications for passenger air bag activation.

SYSTEM

< SYSTEM DESCRIPTION >



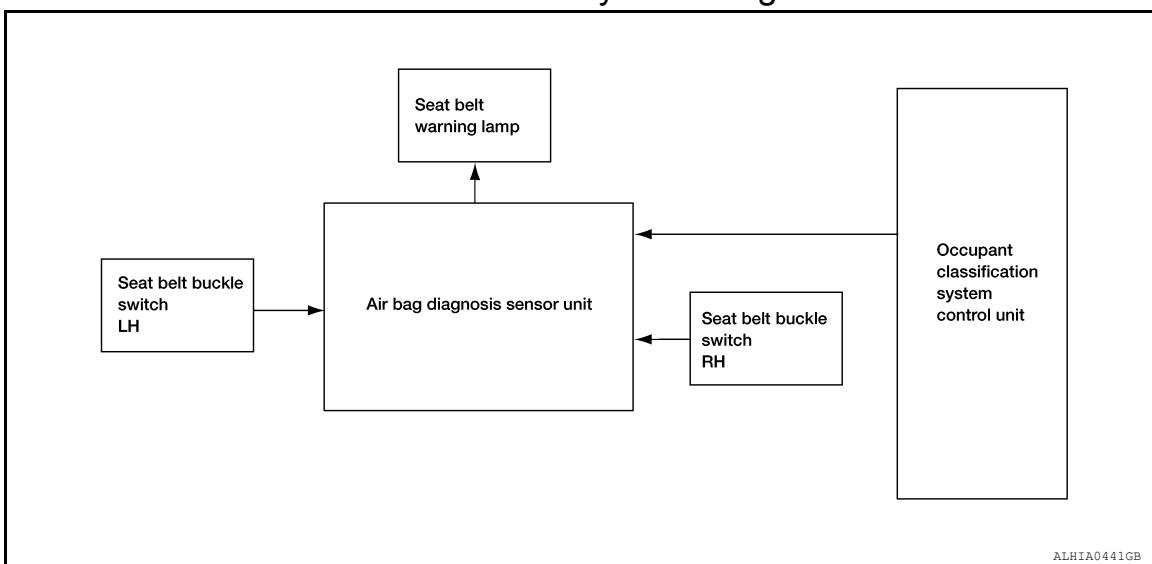
A
B
C
D
E
F
G

SRC

SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM : System Diagram

INFOID:000000014692649



I
J
K
L
M
N

O
P

SEAT BELT WARNING LAMP SYSTEM : System Description

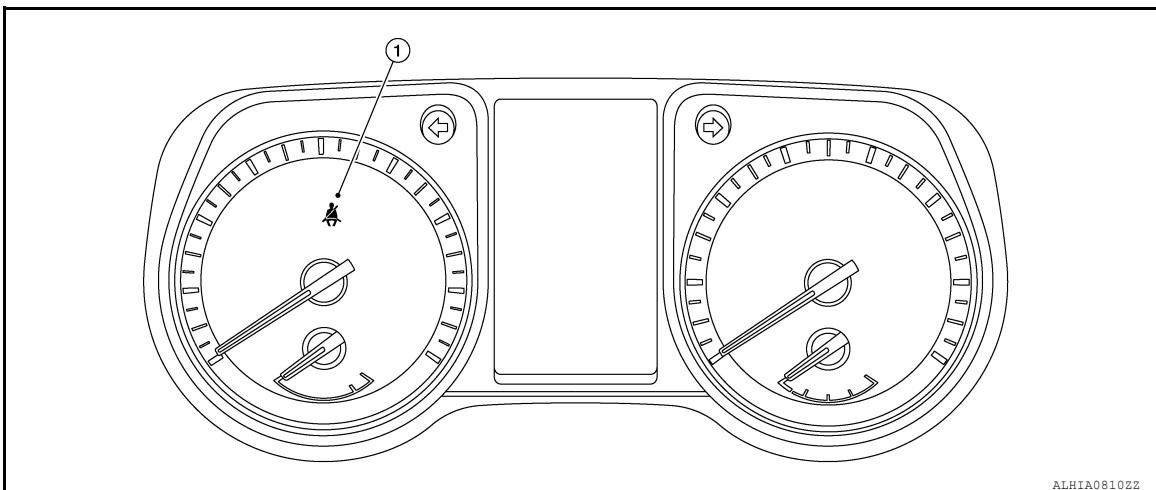
INFOID:000000014692650

The seat belt warning lamp (1) will remind the driver if the driver or front passenger seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to [SRC-12. "OCCUPANT CLASSIFICATION SYSTEM : System Description"](#).

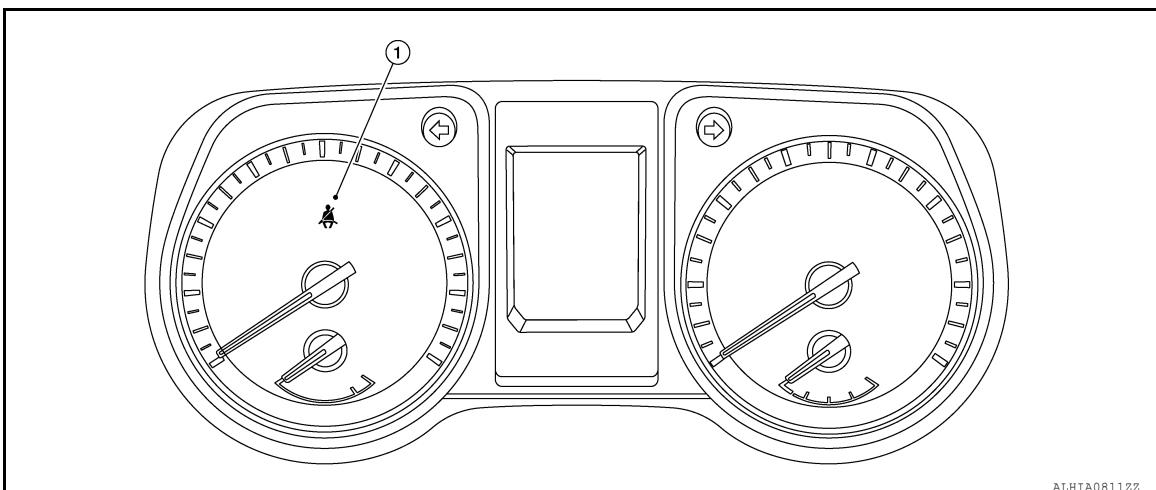
SYSTEM

< SYSTEM DESCRIPTION >

Type A



Type B



Seat Belt Warning System Operation

Driver seat status (ignition switch ON)	Passenger seat status	Seat belt buckle switch LH status	Seat belt buckle switch RH status	Seat belt warning lamp
Seat occupied	Seat occupied	Buckled	Buckled	Off
	Seat unoccupied		Unbuckled	On
	—	Unbuckled	—	Off
	—		—	On

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

INFOID:0000000014392346

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:0000000014392347

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.

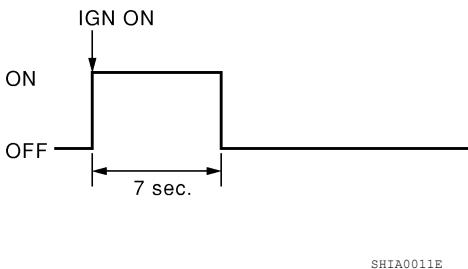
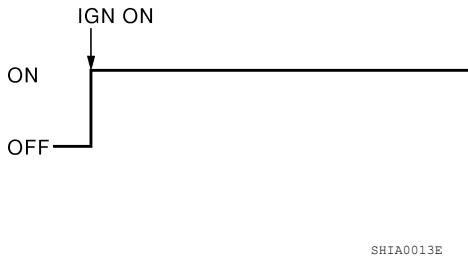
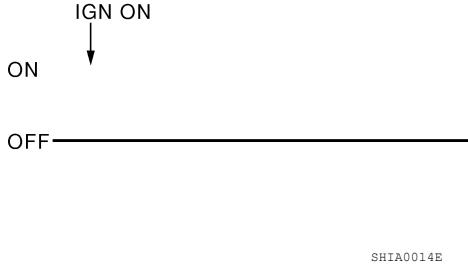


BF-1845D

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

Air bag warning lamp flashing pattern (User Mode)

Warning lamp	SRS condition	Reference item
	<ul style="list-style-type: none"> No malfunction is detected. No further action is necessary. 	—
	<ul style="list-style-type: none"> 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" .
	<ul style="list-style-type: none"> 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-143, "Diagnosis Procedure" .
	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. 	Refer to SRC-142, "Air Bag Warning Lamp Does Not Turn On" .

Trouble Diagnosis with CONSULT

INFOID:0000000014392348

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-16, "SRS Final Check"](#).
- SRS system malfunctions intermittently. Refer to [SRC-57, "Inspection Procedure"](#).

SRS History Check

INFOID:0000000014392349

SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform [SRC-15, "SRS Operation Check"](#). If repairs have been made, go to step 2.
2. Erase "Self Diagnostic Result [PAST]" after repair. Refer to [SRC-16, "SRS Final Check"](#).

SRS Final Check

INFOID:0000000014392350

DIAGNOSIS MODE

1. Connect CONSULT.

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

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-15, "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-15, "SRS Operation Check"](#).

CONSULT Function (AIR BAG)

INFOID:000000014392351

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.

CONSULT Function (OCCUPANT DETECTION)

INFOID:000000014692651

CONSULT can display each diagnostic item using the diagnostic test modes shown following:

Diagnostic Test Mode	Diagnostic Item	Description
"Work support"	ZERO POINT RESET FUNCTION	Perform zero point reset. Refer to SRC-55, "ZERO POINT RESET : Special Repair Requirement" .

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000014392352

DTC	Diagnostic item	Reference page
U1000-01	CAN COMM CIRCUIT	SRC-58, "Diagnosis Procedure"
U1010-49	CONTROL UNIT (CAN)	SRC-59, "Diagnosis Procedure"
B0001-00	DRIVER AIRBAG MODULE [SHORT]	
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]	
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]	SRC-61, "Diagnosis Procedure"
B0001-13	DRIVER AIRBAG MODULE [OPEN]	
B0001-1A	DRIVER AIRBAG MODULE [SHORT]	
B0010-11	ASSIST A/B MODULE [GND-SHORT]	
B0010-12	ASSIST A/B MODULE [VB-SHORT]	SRC-65, "Diagnosis Procedure"
B0010-13	ASSIST A/B MODULE [OPEN]	
B0010-1A	ASSIST A/B MODULE [SHORT]	
B0011-09	ASSIST A/B MODULE 2 [SHORT]	
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]	SRC-65, "Diagnosis Procedure"
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]	
B0020-12	SIDE A/B MODULE LH [VB-SHORT]	SRC-69, "Diagnosis Procedure"
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]	
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]	SRC-72, "Diagnosis Procedure"
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]	
B0028-12	SIDE A/B MODULE RH [VB-SHORT]	SRC-75, "Diagnosis Procedure"
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]	
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]	SRC-78, "Diagnosis Procedure"
B0029-13	CURTAIN A/B MODULE RH [OPEN]	
B0029-1A	CURTAIN A/B MODULE RH [SHORT]	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0091-23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]	SRC-81, "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-86, "Diagnosis Procedure"
B0092-24	C-PILLAR SAT SENS 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-89, "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-93, "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-97, "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]	

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0097-23	C-PILLAR SAT SENS RH [LOWER LIMIT ERR]	SRC-102, "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-107, "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]	
B00A0-00	OCCUPANT SENS [ABNORMAL VOLTAGE]	SRC-111, "Diagnosis Procedure (B00A0-00, -02 or -09)"
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]	
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]	
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]	SRC-112, "Diagnosis Procedure (B00A0-04)"
B00A0-83	OCCUPANT SENS C/U [COMM ERR]	SRC-113, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
B00A0-86	OCCUPANT SENS C/U [COMM ERR]	
B00A0-87	OCCUPANT SENS C/U [COMM ERR]	
B00A0-88	OCCUPANT SENS C/U [COMM ERR]	
B00A0-8F	OCCUPANT SENS C/U [UNDEFINED]	
B00A0-93	OCCUPANT SENS C/U [RESET]	SRC-114, "Diagnosis Procedure (B00A0-93)"
B00D5-04	PASS A/B INDCTR CKT [UNIT MALFUNC]	SRC-117, "DTC Description"
B00D5-11	PASS A/B INDCTR CKT [GND-SHORT]	
B00D5-12	PASS A/B INDCTR CKT [VB-SHORT]	
B00D5-13	PASS A/B INDCTR CKT [OPEN]	
B00D5-15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	
B1430-09	PRE-TEN FRONT LH [SHORT]	SRC-134, "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-137, "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-129, "Diagnosis Procedure"
B142A-17	IGNITION VOLTAGE [VB-HIGH]	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

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

Flash Code Index

INFOID:000000014392353

WARNING LAMP FLASH CODE CHART

How to read flash codes

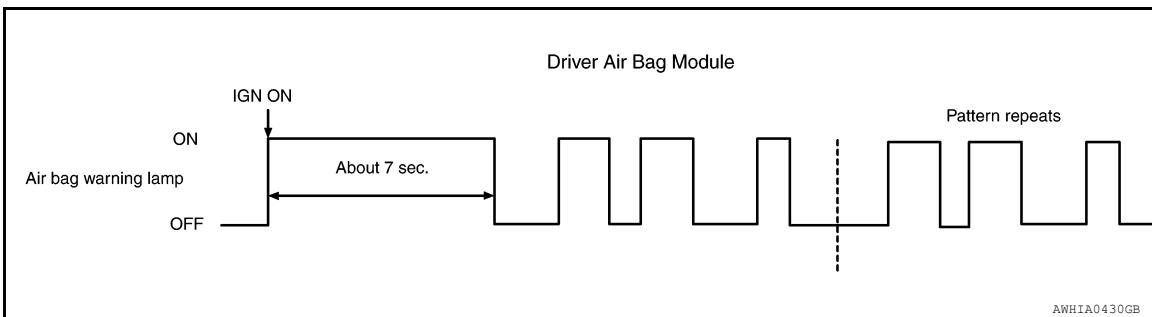
1. Put the vehicle in Diagnosis Mode. Refer to [SRC-15, "SRS Operation Check"](#).
2. All codes are proceeded by a 7-second "holding" flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS 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

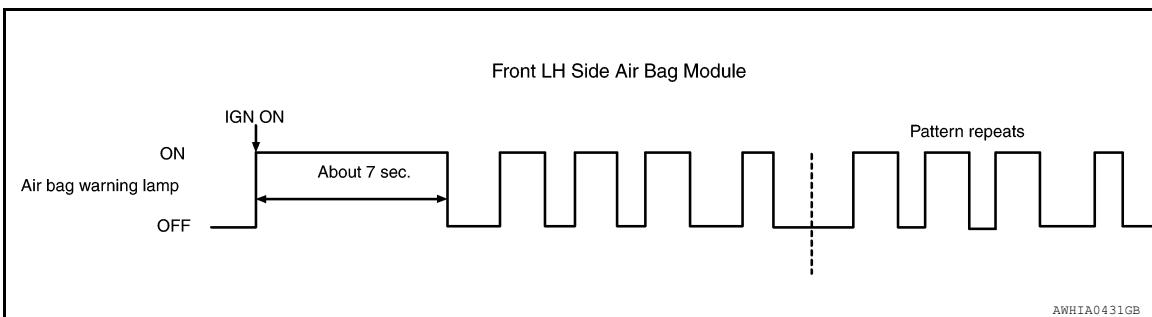
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >



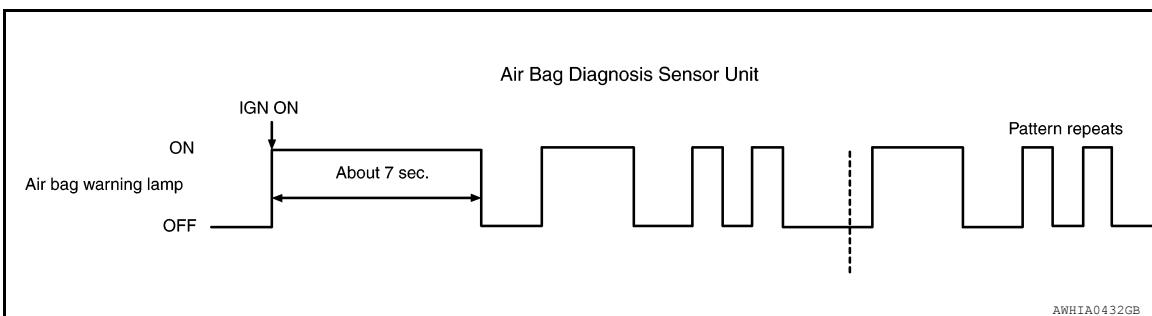
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-61, "Diagnosis Procedure"
		2	Passenger air bag module	SRC-65, "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner	SRC-134, "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner	SRC-137, "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-69, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-75, "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-72, "Diagnosis Procedure"
		4	RH side curtain air bag module	SRC-78, "Diagnosis Procedure"

Air bag subsystem

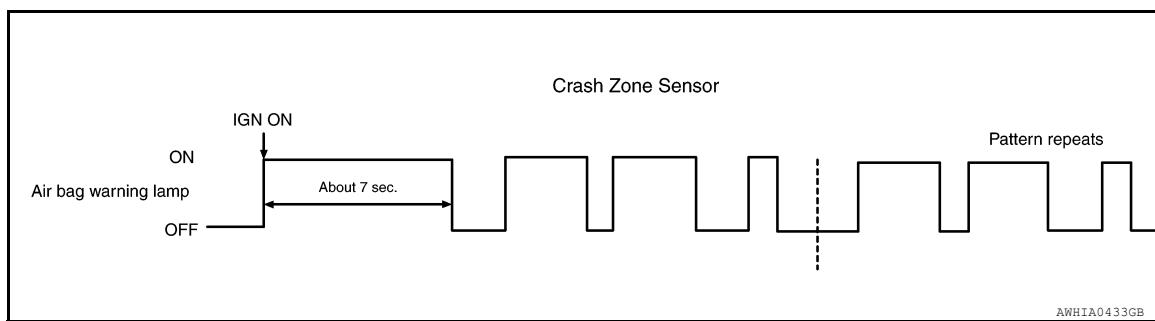


DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-132, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-121, "Diagnosis Procedure", SRC-123, "Diagnosis Procedure", SRC-124, "Diagnosis Procedure", SRC-127, "Diagnosis Procedure"
		3	Passenger air bag OFF indicator	SRC-118, "Diagnosis Procedure"
		4	Occupant classification system	SRC-111, "Diagnosis Procedure (B00A0-00, -02 or -09)", SRC-112, "Diagnosis Procedure (B00A0-04)", SRC-113, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)", SRC-114, "Diagnosis Procedure (B00A0-93)"

Sensor subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-93, "Diagnosis Procedure"
		2	LH side air bag (satellite) sensor	SRC-81, "Diagnosis Procedure"
		3	RH side air bag (satellite) sensor	SRC-97, "Diagnosis Procedure"
		4	Rear side satellite sensor LH	SRC-86, "Diagnosis Procedure"
		5	Rear side satellite sensor LH	SRC-102, "Diagnosis Procedure"
		6	Front door satellite sensor RH	SRC-89, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-107, "Diagnosis Procedure"

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

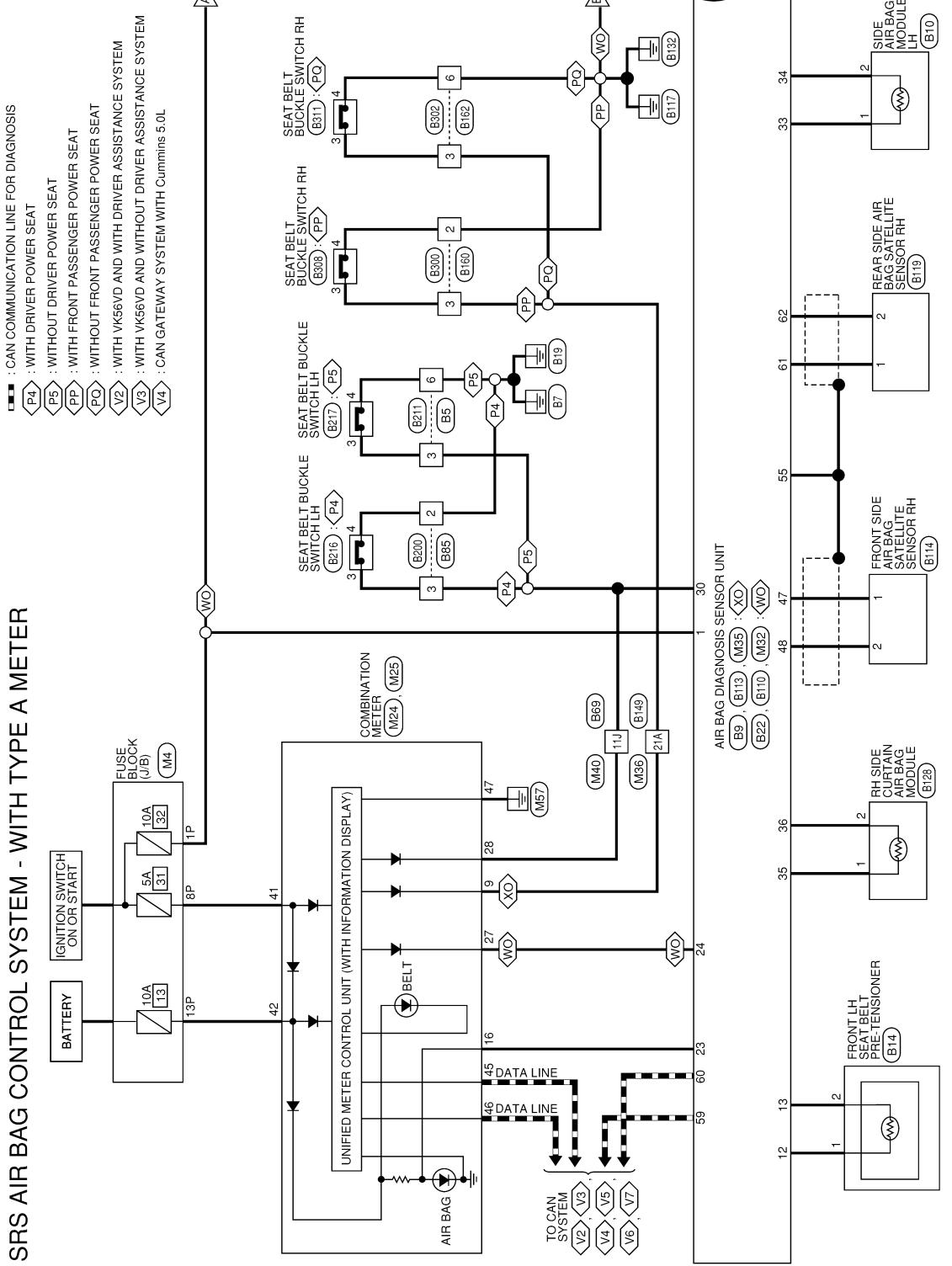
WIRING DIAGRAM

SRS AIR BAG CONTROL SYSTEM

Wiring Diagram-with type A meter

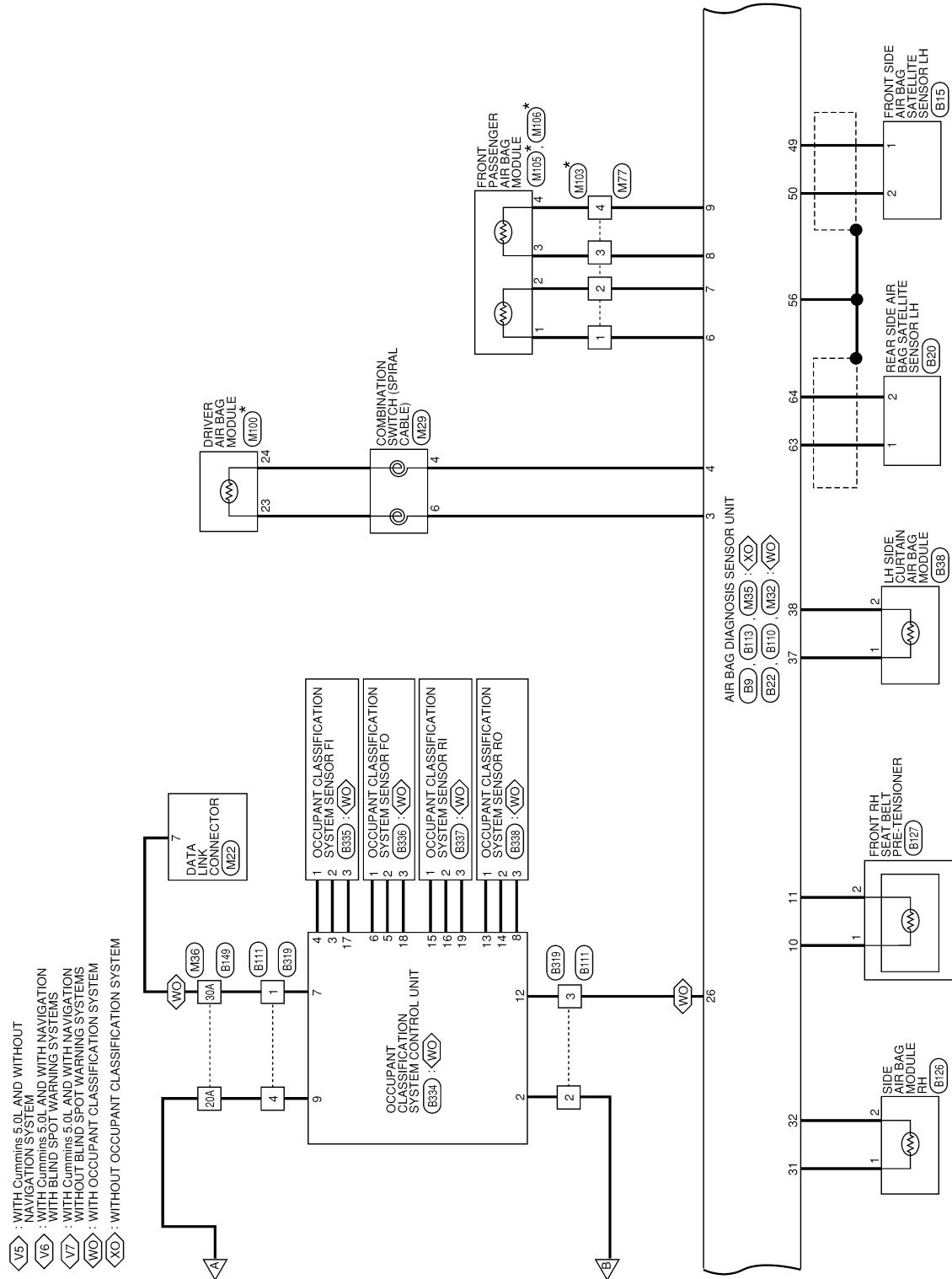
INFOID:0000000014392354

SRS AIR BAG CONTROL SYSTEM - WITH TYPE A METER



SRS AIR BAG CONTROL SYSTEM

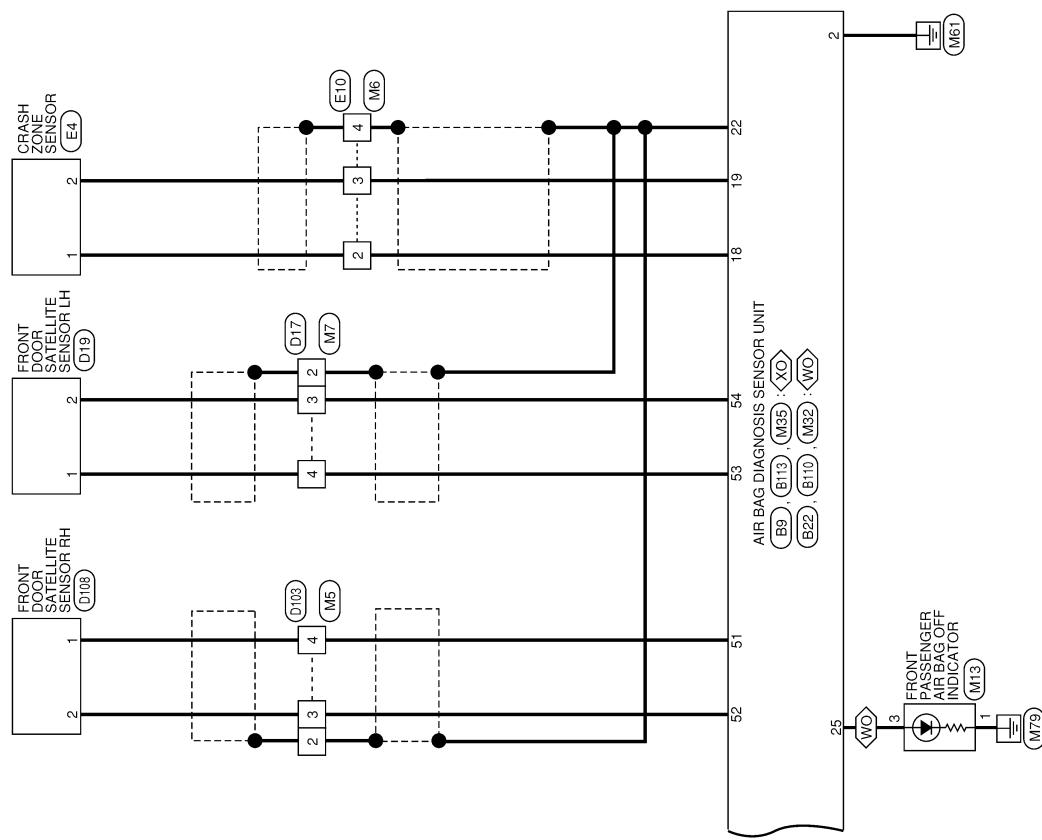
< WIRING DIAGRAM >



AAHWA0207GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



AAHWA0208GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

Connector No.	B5	64	G	LH C-PILLAR SATELLITE SENSOR (-)
Connector Name	WIRE TO WIRE			
Connector Type	NS06FW-CS			
Connector Color	WHITE			
				

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

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

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

Terminal No.	1	L/W	LH B-PILLAR SATELLITE SENSOR +
	2	Y/B	LH B-PILLAR SATELLITE SENSOR -
	3	BR	
	4		
	5		
	6	B	

Terminal No.	12	G	P-LH (+)
	13	BG	P-LH (-)
	30	OB	LH SEAT BELT BUCKLE SWITCH +
	33	Y	S-LH (+)
	34	BR	S-LH (-)
	37	B	C-LH (+)
	38	W	C-LH (-)
	49	L/W	LH B-PILLAR SATELLITE SENSOR (+)
	50	Y/B	LH B-PILLAR SATELLITE SENSOR (-)
	56	SHIELD	GND
	63	W	LH C-PILLAR SATELLITE SENSOR (+)
	64	G	LH C-PILLAR SATELLITE SENSOR (-)

Terminal No.	12	G	P-LH (+)
	13	BG	P-LH (-)
	30	OB	LH SEAT BELT BUCKLE SWITCH +
	33	Y	S-LH (+)
	34	BR	S-LH (-)
	37	B	C-LH (+)
	38	W	C-LH (-)
	49	L/W	LH B-PILLAR SATELLITE SENSOR (+)
	50	Y/B	LH B-PILLAR SATELLITE SENSOR (-)
	56	SHIELD	GND
	63	W	LH C-PILLAR SATELLITE SENSOR (+)
	64	G	LH C-PILLAR SATELLITE SENSOR (-)

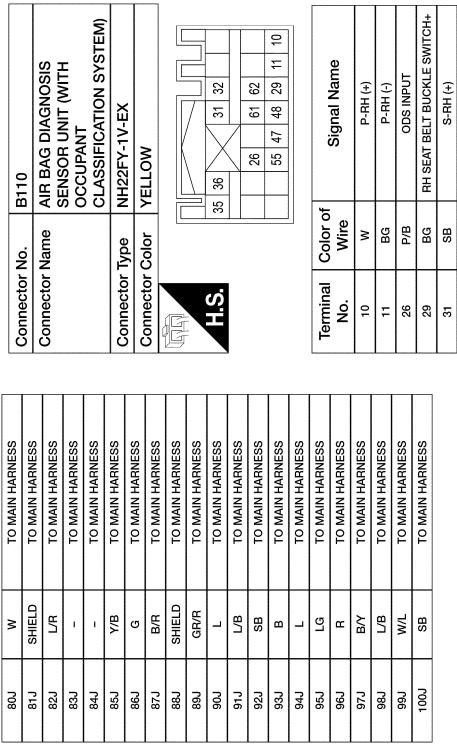
Terminal No.	1	B	LH CURTAIN +
	2	W	LH CURTAIN -

AAHIA0724GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER



Terminal No.	Color of Wire	Signal Name	5J	TO MAIN HARNESS
1J	P	TO MAIN HARNESS	5J2	SHIELD
2J	RY	TO MAIN HARNESS	5J3	TO MAIN HARNESS
3J	L	TO MAIN HARNESS	5J4	TO MAIN HARNESS
4J	L/B	TO MAIN HARNESS	5J5	TO MAIN HARNESS
5J	GW	TO MAIN HARNESS	5J6	TO MAIN HARNESS
6J	L/GY	TO MAIN HARNESS	5J7	TO MAIN HARNESS
7J	B/R/LG	TO MAIN HARNESS	5J8	TO MAIN HARNESS
8J	SB/BR	TO MAIN HARNESS	5J9	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS	6J1	TO MAIN HARNESS
10J	O/B	TO MAIN HARNESS	6J2	TO MAIN HARNESS
11J	O/B	TO MAIN HARNESS	6J3	TO MAIN HARNESS
12J	L	TO MAIN HARNESS	6J4	TO MAIN HARNESS
13J	SB/O	TO MAIN HARNESS	6J5	TO MAIN HARNESS
14J	Y	TO MAIN HARNESS	6J6	TO MAIN HARNESS
15J	-	TO MAIN HARNESS	6J7	TO MAIN HARNESS
16J	R	TO MAIN HARNESS	6J8	TO MAIN HARNESS
17J	G	TO MAIN HARNESS	6J9	TO MAIN HARNESS
18J	SB	TO MAIN HARNESS	7J0	TO MAIN HARNESS
19J	O	TO MAIN HARNESS	7J1	TO MAIN HARNESS
20J	O/B	TO MAIN HARNESS	7J2	TO MAIN HARNESS
21J	Y/R	TO MAIN HARNESS	7J3	TO MAIN HARNESS
22J	P	TO MAIN HARNESS	7J4	TO MAIN HARNESS
23J	W	TO MAIN HARNESS	7J5	TO MAIN HARNESS
24J	W/R	TO MAIN HARNESS	7J6	TO MAIN HARNESS
25J	V	TO MAIN HARNESS	7J7	SHIELD
26J	L	TO MAIN HARNESS	7J8	GRAB
27J	R	TO MAIN HARNESS	7J9	TO MAIN HARNESS

AAHTA0725GP

Revision: August 2016

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

Connector No.	B113	Connector No.	B119	1	W	P RH +
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (WITHOUT OCCUPANT CLASSIFICATION SYSTEM)	Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH	2	BG	P RH1 -
Connector Type	HK02FY-1V-EX	Connector Type	HK02FY-1V-EX			
Connector Color	YELLOW	Connector Color	YELLOW			
Connector No.	B128	Connector No.	B128	1	B	C RH +
Connector Name	RH SIDE CURTAIN AIR BAG MODULE	Connector Name	RH SIDE CURTAIN AIR BAG MODULE	2	W	C RH1 -
Connector Type	AC02FY-2V	Connector Type	AC02FY-2V			
Connector Color	YELLOW	Connector Color	YELLOW			
Terminal No.	Color of Wire	Signal Name		Terminal No.	Color of Wire	Signal Name
10	W	P-RH(+)	1	LGB	RH C-PILLAR SATELLITE SENSOR	
11	BG	P-RH(-)	2	Y/B	RH C-PILLAR SATELLITE SENSOR	
31	SB	S-RH(+)				
32	Y	S-RH(-)				
35	B	INF CURTAIN RH(+)				
36	W	INF CURTAIN RH(-)				
47	W	RH B-PILLAR SATELLITE SENSOR +				
48	L	RH B-PILLAR SATELLITE SENSOR -				
55	SHIELD	GND				
61	LGB	RH C-PILLAR SATELLITE SENSOR				
62	Y/B	RH C-PILLAR SATELLITE SENSOR				
Connector No.	B114	Connector No.	B127	1	SB	S RH +
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH	Connector Name	FRONT RH SEAT BELT PRE-TENSIONER	2	Y	S RH -
Connector Type	HK02FY-1V-EX	Connector Type	ACB02FY			
Connector Color	YELLOW	Connector Color	YELLOW			
Terminal No.	Color of Wire	Signal Name		Terminal No.	Color of Wire	Signal Name
1	W	RH B-PILLAR SATELLITE SENSOR +				
2	L	RH B-PILLAR SATELLITE SENSOR -				

AAHIA0726GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1A	SB/G	TO MAIN HARNESS -WITHOUT CLIMATE CONTROLLED SEATS)	5A	TO MAIN HARNESS -WITHOUT CLIMATE CONTROLLED SEATS)	
1A	SB	TO MAIN HARNESS -WITH CLIMATE CONTROLLED SEATS)	5A	TO MAIN HARNESS -WITH CLIMATE CONTROLLED SEATS)	
2A	L	TO MAIN HARNESS	5A	-	TO MAIN HARNESS
3A	V	TO MAIN HARNESS	5A	-	TO MAIN HARNESS
4A	SB/R	TO MAIN HARNESS	5A	-	TO MAIN HARNESS
5A	-	TO MAIN HARNESS	5A	-	TO MAIN HARNESS
6A	LG/Y	TO MAIN HARNESS -WITHOUT CLIMATE CONTROLLED SEATS)	5A	-	TO MAIN HARNESS
6A	LG	TO MAIN HARNESS - (WITH CLIMATE CONTROLLED SEATS)	5A	-	TO MAIN HARNESS
7A	W	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
8A	B	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
9A	L/B	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
10A	W	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
11A	LG	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
12A	BR/O	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
13A	YW	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
14A	RG	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
15A	YL	TO MAIN HARNESS	6A	-	TO MAIN HARNESS
16A	OL	TO MAIN HARNESS	6A	Y/R	TO MAIN HARNESS
17A	L	TO MAIN HARNESS	7A	-	TO MAIN HARNESS
18A	Y	TO MAIN HARNESS	7A	-	TO MAIN HARNESS
19A	LG	TO MAIN HARNESS	7A	Y/B	TO MAIN HARNESS
20A	R	TO MAIN HARNESS	7A	G	TO MAIN HARNESS
21A	BG	TO MAIN HARNESS	7A	B/R	TO MAIN HARNESS
22A	LG/R	TO MAIN HARNESS	7A	SHIELD	TO MAIN HARNESS

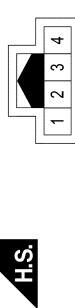
AAHIA0727GB

SRS AIR BAG CONTROL SYSTEM

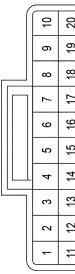
< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

Connector No.	B519	15	WL	LOAD SENSOR REAR INNER GND
Connector Name	WIRE TO WIRE	16	SB	LOAD SENSOR REAR INNER SIGNAL
Connector Type	TH04MN-NH	17	R	LOAD SENSOR FRONT INNER VCC
Connector Color	WHITE	18	L	LOAD SENSOR FRONT OUTER VCC
		19	Y	LOAD SENSOR REAR INNER VCC
		20	-	-



Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY NO. 2 HARNESS
2	B	TO BODY NO. 2 HARNESS
3	B/R/W	TO BODY NO. 2 HARNESS
4	W	TO BODY NO. 2 HARNESS



Terminal No.	Color of Wire	Signal Name
1	-	-
2	B	GND
3	LG	LOAD SENSOR FRONT INNER SIGNAL
4	R/B	LOAD SENSOR FRONT INNER GND
5	BR	LOAD SENSOR FRONT OUTER SIGNAL
6	LB	LOAD SENSOR FRONT OUTER GND
7	GR	K-LINE
8	G	LOAD SENSOR REAR OUTER VCO
9	W	IGN
10	-	-
11	-	-
12	BRY	ACU/COMM
13	G/L	LOAD SENSOR REAR OUTER GND
14	O	LOAD SENSOR REAR OUTER SIGNAL

AAHIA0729GB

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

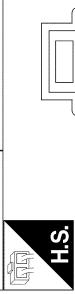


Terminal No.	Color of Wire	Signal Name
1	—	TO MAIN HARNESS
2	SHIELD	TO MAIN HARNESS
3	W	TO MAIN HARNESS
4	L	TO MAIN HARNESS

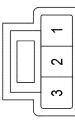


Terminal No.	Color of Wire	Signal Name
1	L	LH DOOR SATELLITE SENSOR +
2	W	LH DOOR SATELLITE SENSOR -

Connector No.	B337
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RI



Terminal No.	Color of Wire	Signal Name
1	WL	LOAD SENSOR REAR INNER GRID
2	SB	LOAD SENSOR REAR INNER SIGNAL
3	Y	LOAD SENSOR REAR INNER VCC



Connector No.	B33B
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RO
Connector Type	H33P
Connector Color	BLACK



1	Color of Wire	Signal Name
2		

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



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



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

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

Connector No.	D103	EC2S -
Connector Name	WIRE TO WIRE	
Connector Type	TK04FY	
Connector Color	YELLOW	
	 H.S.	

Connector No.	D103	EC2S -
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
Connecator No.	1010	

Connector No.	Connector Name	Connector No.	Connector Name	Connector Type	Connector Color
D106	FRONT DOOR SATELLITE SENSOR RH	M4	FUSE BLOCK (J/E)		
	HKU2EFY-1V-EX				
	YELLOW	16F15P14P13P12P11P	16P15P14P13P12P11P	16FW- CS	WHITE

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

AAHIA0730GB

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

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.	M13
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	AFA03FW
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	-	-
3	RY	TELETYPE LAMP A

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD
Connector Color	YELLOW

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	

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

Terminal No.	Color of Wire	Signal Name
1	-	TO ENGINE ROOM HARNESS
2	GRR	TO ENGINE ROOM HARNESS
3	GRB	TO ENGINE ROOM HARNESS
4	SHIELD	TO ENGINE ROOM HARNESS

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

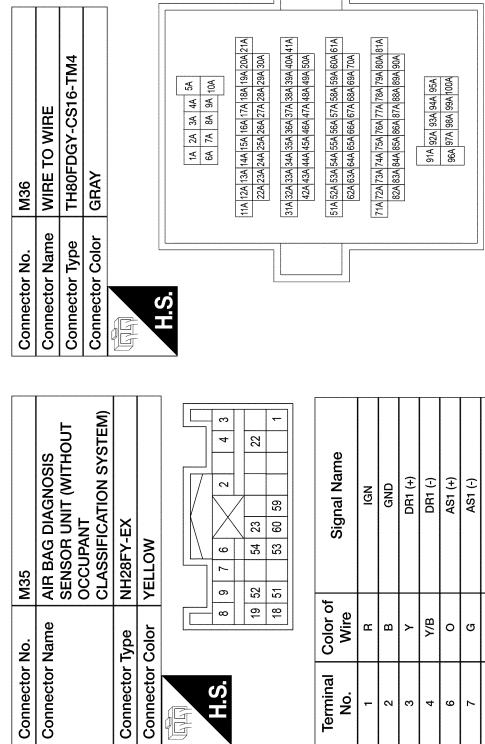
Connector No.	M22	Color of Wire	Signal Name	Signal Name	Connector No.	M22	Color of Wire	Signal Name
Connector Name	DATA LINK CONNECTOR	7	V	SECURITY	42	R	BAT	
Connector Type	BD16FW	8	-	-	43	Y/N	FUEL SENSOR GND	
Connector Color	WHITE	9	BG	AS BELT SW (W/O ODS)	44	GR	ILL CONT OUTPUT	
		10	LG	TOW MODE SW	45	P	CAN-L	
		11	BR	CHG	46	L	CAN-H	
		12	BR	LED HEAD LAMP (R)	47	B	GN	
		13	W	LED HEAD LAMP (L)	48	BR/Y	FUEL SENSOR	
		14	R	ACC SW	49	-	-	
		15	W	OUTSIDE TEMP SENSOR (WITH VSGVD)	50	-	-	
		16	O	AIR BAG	51	LG	M CAN-L	
		17	-	-	52	SB	M CAN-H	
		18	P	TRIP RESET SW				
		19	-	-				
		20	R	OUTSIDE TEMP GRID (WITH VSGVD)				
		21	-	-				
		22	P	STRG SW A				
		23	R	STRG SW B				
		24	W	WASHER SW				
		25	B	ENG GND				
		26	L	CAN-H				
		27	BR	K-LINE				
		28	G	IGN SW				
		29	P/L	AS BELT SW (W/O ODS)				
		30	O/B	DR BELT SW				
		31	-	-				
		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/8R OUTPUT				
		39	-	-				
		40	-	-				
		41	Y	BATTERY				
Connector No.	M24	Color of Wire	Signal Name	Signal Name	Connector No.	M25	Color of Wire	Signal Name
Connector Name	COMBINATION METER (WITH TYPE A)	1	L	ILL (+) - (WITHOUT HEATED STEERING WHEEL)	19	GR/B	SHIELD	
Connector Type	TH40FW-NH	2	W	ILL (-) - (WITH HEATED STEERING WHEEL)	22	EC2S GND	EC2S GND	
Connector Color	WHITE	3	R	ILL DOWN SW	23	O	AIRBAG WARN LAMP	
		4	G	8P/8R OUTPUT	24	P	SEATBELT REMINDER	
		5	-	-	25	R/Y	TELLTALE LAMP A	
		6	Y	DR1 (+)	51	LG/B	RH DOOR SATELLITE SENSOR	
				DR1 (-)	52	Y/B	RH DOOR SATELLITE SENSOR	
					53	L	LH DOOR SATELLITE SENSOR	
					54	W	LH DOOR SATELLITE SENSOR	
					55	L	CAN-H	
					56	P	CAN-L	

AAHIA0731GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER



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	BR	TO BODY NO. 2 HARNESS
31A	WR	TO BODY NO. 2 HARNESS
32A	GR	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	BR	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

AAHIA0732GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

H.S.		RK04FY-BD			
H.S.		RK04FY-BD			
Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1J	G	TO BODY HARNESS	5JU	-	TO BODY HARNESS
2J	RY	TO BODY HARNESS	52J	SHIELD	TO BODY HARNESS
3J	L	TO BODY HARNESS	53J	R	TO BODY HARNESS
4J	LB	TO BODY HARNESS	54J	L	TO BODY HARNESS
5J	B	TO BODY HARNESS	55J	R	TO BODY HARNESS
6J	BR	TO BODY HARNESS	56J	W	TO BODY HARNESS
7J	BG	TO BODY HARNESS	57J	R	TO BODY HARNESS
8J	SB	TO BODY HARNESS	58J	B	TO BODY HARNESS
9J	BR	TO BODY HARNESS	59J	-	TO BODY HARNESS
10J	R	TO BODY HARNESS	60J	SHIELD	TO BODY HARNESS
11J	OB	TO BODY HARNESS	61J	G	TO BODY HARNESS
12J	L	TO BODY HARNESS	62J	-	TO BODY HARNESS
13J	W	TO BODY HARNESS	63J	W	TO BODY HARNESS
14J	Y	TO BODY HARNESS	64J	LW	TO BODY HARNESS
15J	-	TO BODY HARNESS	65J	SHIELD	TO BODY HARNESS
16J	R	TO BODY HARNESS	66J	B	TO BODY HARNESS
17J	G	TO BODY HARNESS	67J	SHIELD	TO BODY HARNESS
18J	SB	TO BODY HARNESS	68J	W	TO BODY HARNESS
19J	O	TO BODY HARNESS	69J	SHIELD	TO BODY HARNESS
20J	OB	TO BODY HARNESS	70J	BW	TO BODY HARNESS
21J	Y	TO BODY HARNESS	71J	LW	TO BODY HARNESS
22J	P	TO BODY HARNESS	72J	-	TO BODY HARNESS
23J	W	TO BODY HARNESS	73J	-	TO BODY HARNESS
24J	WR	TO BODY HARNESS	74J	SHIELD	TO BODY HARNESS
25J	P	TO BODY HARNESS	75J	O	TO BODY HARNESS
26J	L	TO BODY HARNESS	76J	0	TO BODY HARNESS
27J	R	TO BODY HARNESS	77J	SHIELD	TO BODY HARNESS
			78J	W	TO BODY HARNESS
			79J	B	TO BODY HARNESS
			80J	W	TO BODY HARNESS

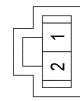
AAHIA0733GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE A METER

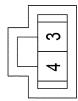
Connector No.	M105
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	ACA02FY-2V
Connector Color	YELLOW



 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 (-)

AAHIA0734GB

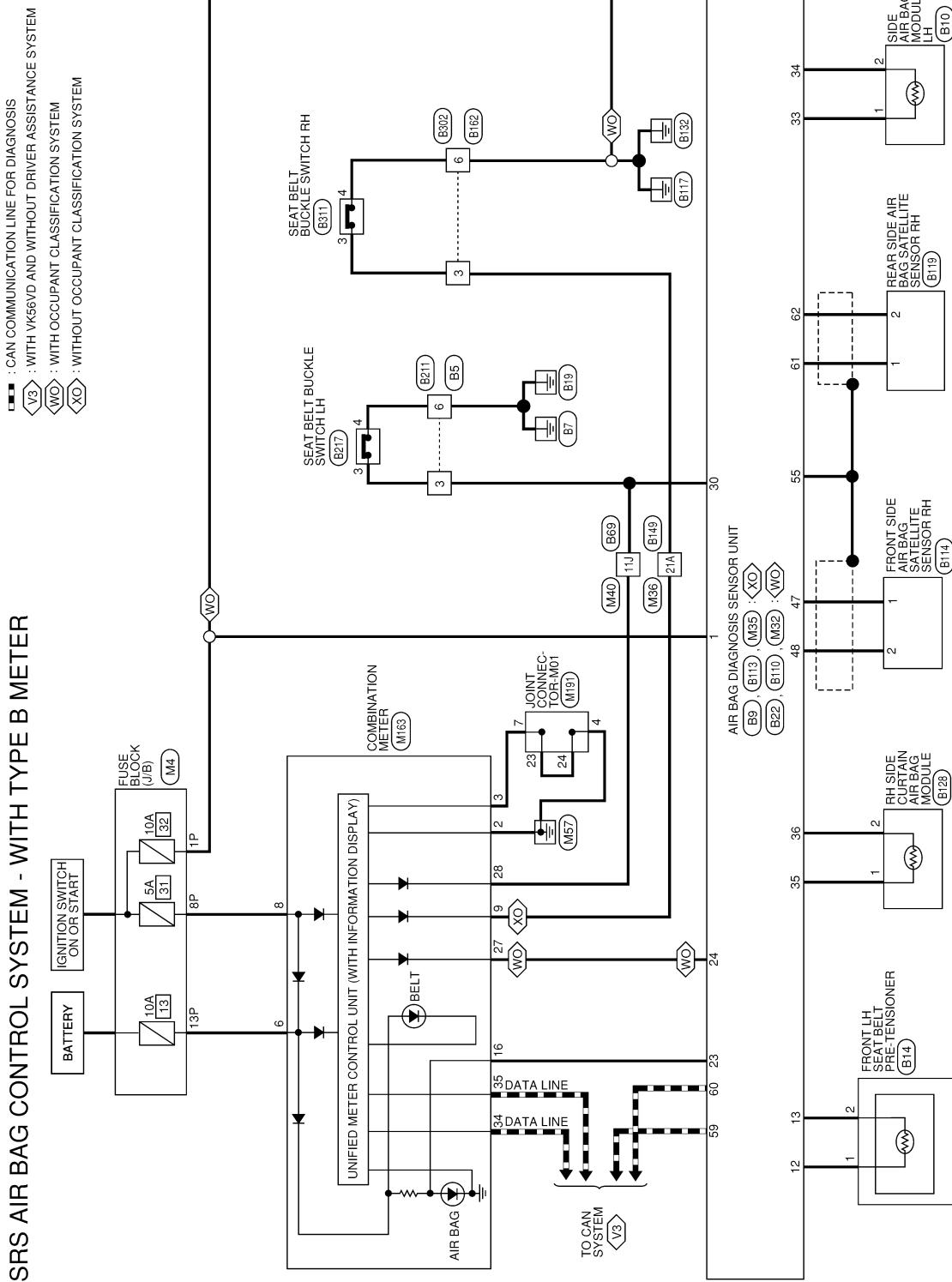
SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Wiring Diagram-with type B meter

INFOID:0000000014692702

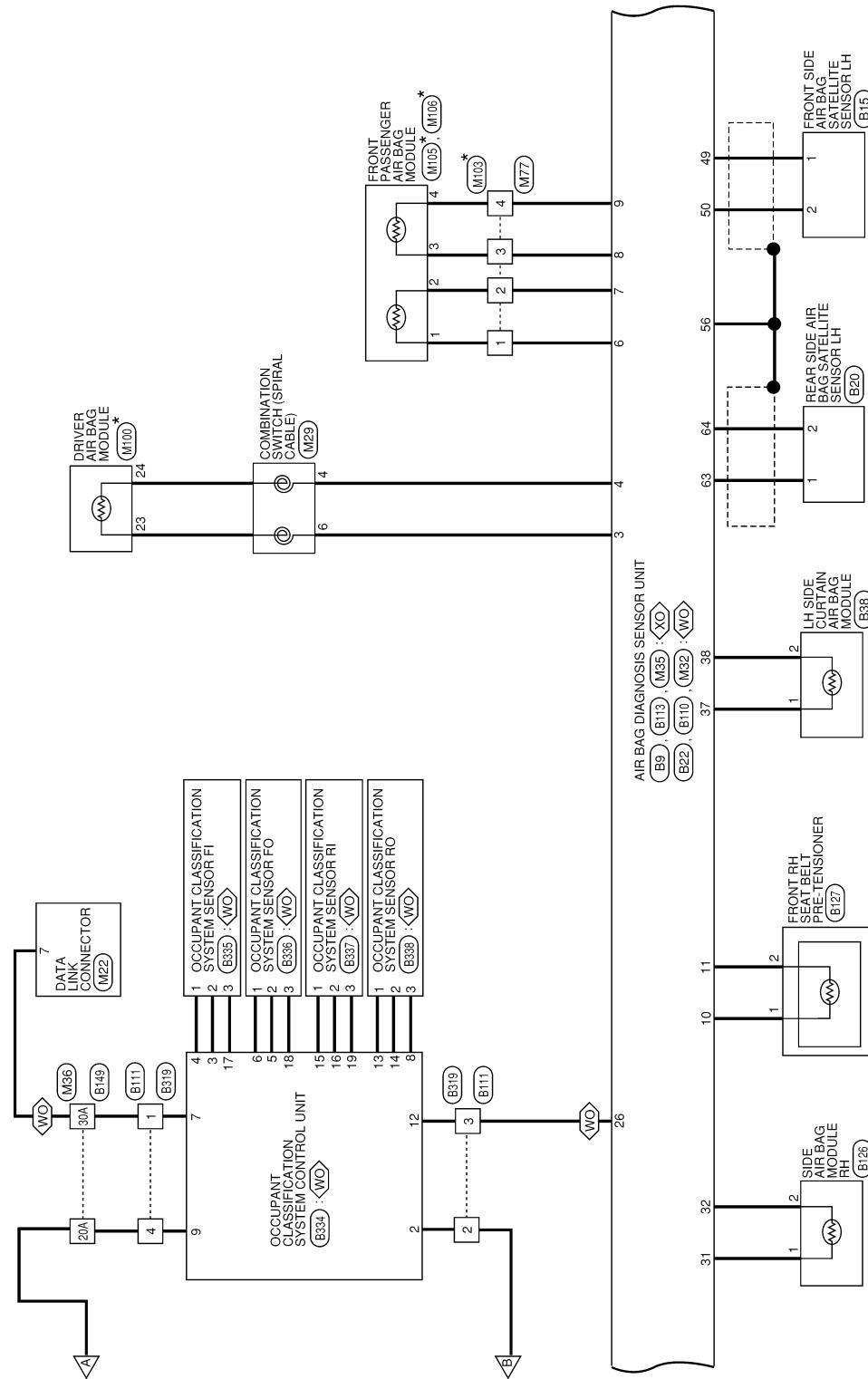
SRS AIR BAG CONTROL SYSTEM - WITH TYPE B METER



AAHWA0209GB

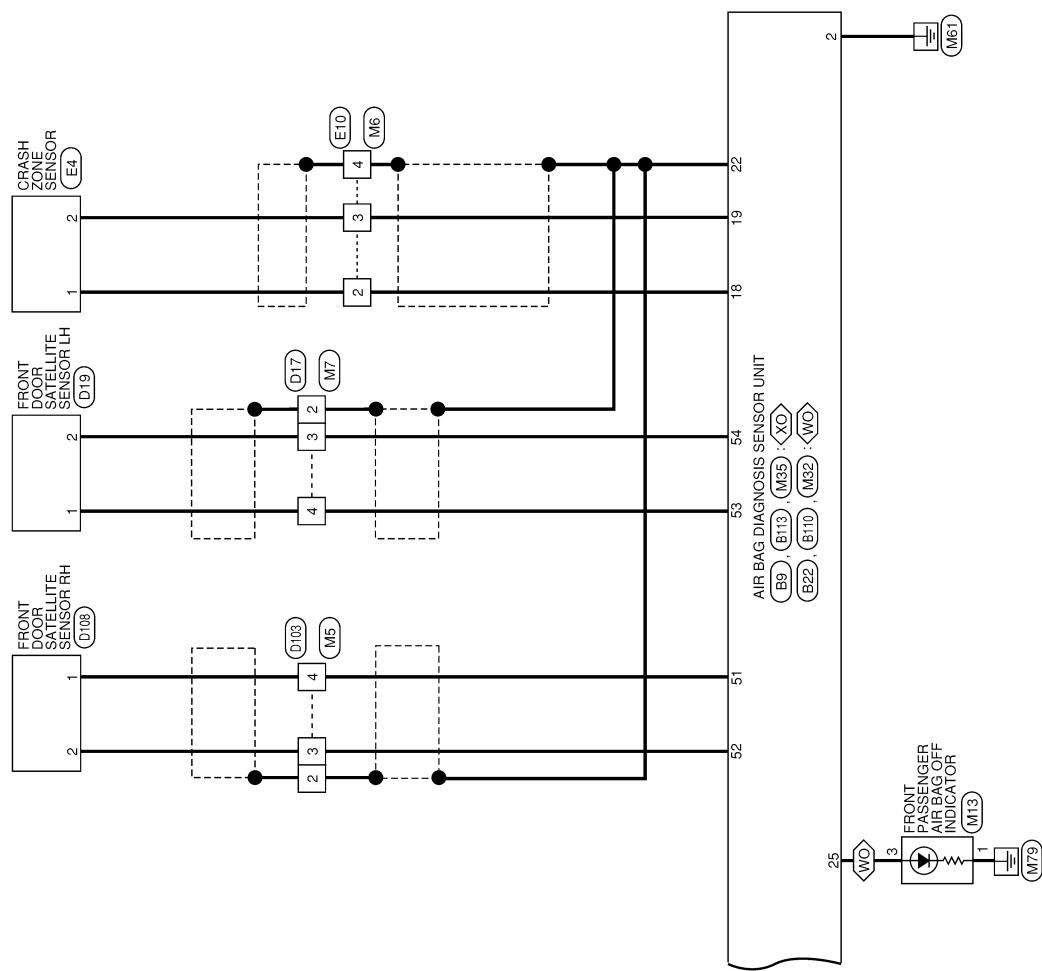
SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



AAHWA0211GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	B5	64	G	LH C-PILLAR SATELLITE SENSOR (-)
Connector Name	WIRE TO WIRE			
Connector Type	NS06FW-CS			
Connector Color	WHITE			
				

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

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

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

Terminal No.	1	L/W	LH B-PILLAR SATELLITE SENSOR +
	2	Y/B	LH B-PILLAR SATELLITE SENSOR -
	3	BR	
	4		
	5		
	6	B	

Terminal No.	12	G	P-LH (+)
	13	BG	P-LH (-)
	30	OB	LH SEAT BELT BUCKLE SWITCH +
	33	Y	S-LH (+)
	34	BR	S-LH (-)
	37	B	C-LH (+)
	38	W	C-LH (-)
	49	L/W	LH B-PILLAR SATELLITE SENSOR (+)
	50	Y/B	LH B-PILLAR SATELLITE SENSOR (-)
	56	SHIELD	GND
	63	W	LH C-PILLAR SATELLITE SENSOR (+)
	64	G	LH C-PILLAR SATELLITE SENSOR (-)

Terminal No.	12	G	P-LH (+)
	13	BG	P-LH (-)
	30	OB	LH SEAT BELT BUCKLE SWITCH +
	33	Y	S-LH (+)
	34	BR	S-LH (-)
	37	B	C-LH (+)
	38	W	C-LH (-)
	49	L/W	LH B-PILLAR SATELLITE SENSOR (+)
	50	Y/B	LH B-PILLAR SATELLITE SENSOR (-)
	56	SHIELD	GND
	63	W	LH C-PILLAR SATELLITE SENSOR (+)
	64	G	LH C-PILLAR SATELLITE SENSOR (-)

Terminal No.	1	B	LH CURTAIN +
	2	W	LH CURTAIN -

AAHIA0736GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	B69	28J	L	TO MAIN HARNESS	80J	W	TO MAIN HARNESS	62	Y/B	RH C-PILLAR SATELLITE SENSOR
Connector Name	WIRE TO WIRE	29J	G/O	TO MAIN HARNESS	81J	SHIELD	TO MAIN HARNESS			
Connector Type	TH80MW-CS16-TM4	30J	SB	TO MAIN HARNESS	82J	L/R	TO MAIN HARNESS			
Connector Color	WHITE	31J	LG	TO MAIN HARNESS	83J	-	TO MAIN HARNESS			
		32J	R	TO MAIN HARNESS	84J	-	TO MAIN HARNESS			
		33J	L	TO MAIN HARNESS	85J	Y/B	TO MAIN HARNESS			
		34J	Y	TO MAIN HARNESS	86J	G	TO MAIN HARNESS			
		35J	P	TO MAIN HARNESS	87J	B/R	TO MAIN HARNESS			
		36J	G/R	TO MAIN HARNESS	88J	SHIELD	TO MAIN HARNESS			
		37J	LG/B	TO MAIN HARNESS	89J	GR/R	TO MAIN HARNESS			
		38J	SB	TO MAIN HARNESS	90J	L	TO MAIN HARNESS			
		39J	Y/L	TO MAIN HARNESS	91J	L/B	TO MAIN HARNESS			
		40J	BR	TO MAIN HARNESS	92J	SB	TO MAIN HARNESS			
		41J	L	TO MAIN HARNESS	93J	B	TO MAIN HARNESS			
		42J	L	TO MAIN HARNESS	94J	L	TO MAIN HARNESS			
		43J	SB	TO MAIN HARNESS	95J	LG	TO MAIN HARNESS			
		44J	BR	TO MAIN HARNESS	96J	R	TO MAIN HARNESS			
		45J	BG	TO MAIN HARNESS	97J	B/Y	TO FRONT SEAT RH HARNESS			
		46J	P/Y	TO MAIN HARNESS	98J	L/B	TO MAIN HARNESS			
		47J	Y/G/R	TO MAIN HARNESS	99J	W/L	TO MAIN HARNESS			
		48J	V	TO MAIN HARNESS	100J	SB	TO MAIN HARNESS			
		49J	B/R/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						
		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	G/R/B	TO MAIN HARNESS						
		79J	B	TO MAIN HARNESS						

AAHIA0737GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	B113	Connector No.	B119	1	W	P RH +		
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (WITHOUT OCCUPANT CLASSIFICATION SYSTEM)	Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH	2	BG	P RH1 -		
Connector Type	HK02FY-1V-EX	Connector Type	HK02FY-1V-EX					
Connector Color	YELLOW	Connector Color	YELLOW					
Connector No.	B128	Connector No.	B128	1	B	C RH +		
Connector Name	RH SIDE CURTAIN AIR BAG MODULE	Connector Name	RH SIDE CURTAIN AIR BAG MODULE	2	W	C RH1 -		
Connector Type	AC02FY-2V	Connector Type	AC02FY-2V					
Connector Color	YELLOW	Connector Color	YELLOW					
Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
10	W	P-RH(+)	1	LG/B	RH C-PILLAR SATELLITE SENSOR	1	B	C RH +
11	BG	P-RH(-)	2	Y/B	RH C-PILLAR SATELLITE SENSOR	2	W	C RH1 -
31	SB	S-RH(+)						
32	Y	S-RH(-)	Connector No.	B126				
35	B	INF CURTAIN RH(+)	Connector Name	SIDE AIR BAG MODULE RH				
36	W	INF CURTAIN RH(-)	Connector Type	TK02FY-EX-1V				
47	W	RH B-PILLAR SATELLITE SENSOR +	Connector Color	YELLOW				
48	L	RH B-PILLAR SATELLITE SENSOR -						
55	SHIELD	GND						
61	LG/B	RH C-PILLAR SATELLITE SENSOR						
62	Y/B	RH C-PILLAR SATELLITE SENSOR						
Connector No.	B114	Connector No.	B127	1	SB	S RH +		
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH	Connector Name	FRONT RH SEAT BELT PRE-TENSIONER	2	Y	S RH -		
Connector Type	HK02FY-1V-EX	Connector Type	ACB02FY					
Connector Color	YELLOW	Connector Color	YELLOW					
Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	W	RH B-PILLAR SATELLITE SENSOR	1	W	RH B-PILLAR SATELLITE SENSOR	1	W	RH B-PILLAR SATELLITE SENSOR
2	L	RH B-PILLAR SATELLITE SENSOR	2	L	RH B-PILLAR SATELLITE SENSOR	2	L	RH B-PILLAR SATELLITE SENSOR

AAHIA0738GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SSRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	B149	23A	Y/LG	TO MAIN HARNESS	78A	GR/R	TO MAIN HARNESS	221
Connector Name	WIRE TO WIRE	24A	BR/Y	TO MAIN HARNESS	77A	L	TO MAIN HARNESS	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4	25A	-	TO MAIN HARNESS	78A	SHIELD	TO MAIN HARNESS	NS06MW-CS
Connector Color	GRAY	26A	GR	TO MAIN HARNESS	79A	Y	TO MAIN HARNESS	
	27A	LG	TO MAIN HARNESS	80A	L	TO MAIN HARNESS		Connector Color
	28A	LGB	TO MAIN HARNESS	81A	R	TO MAIN HARNESS		WHITE
	29A	-	TO MAIN HARNESS	82A	SHIELD	TO MAIN HARNESS		
	30A	BR	TO MAIN HARNESS	83A	LGB	TO MAIN HARNESS		
	31A	W/R	TO MAIN HARNESS	84A	R	TO MAIN HARNESS		
	32A	GR	TO MAIN HARNESS	85A	SHIELD	TO MAIN HARNESS		
	33A	-	TO MAIN HARNESS	86A	GR/B	TO MAIN HARNESS		
	34A	SHIELD	TO MAIN HARNESS	87A	B	TO MAIN HARNESS		
	35A	P	TO MAIN HARNESS	88A	W	TO MAIN HARNESS		
	36A	B	TO MAIN HARNESS	89A	SHIELD	TO MAIN HARNESS		
	37A	-	TO MAIN HARNESS	90A	G	TO MAIN HARNESS		
	38A	RB	TO MAIN HARNESS	91A	W/L	TO MAIN HARNESS		
	39A	GO	TO MAIN HARNESS	92A	BR	TO MAIN HARNESS		
	40A	V	TO MAIN HARNESS	93A	LY	TO MAIN HARNESS		
	41A	SHIELD	TO MAIN HARNESS	94A	RL	TO MAIN HARNESS		
	42A	SHIELD	TO MAIN HARNESS	95A	BR	TO MAIN HARNESS		
	43A	R	TO MAIN HARNESS	96A	R	TO MAIN HARNESS		
	44A	G	TO MAIN HARNESS	97A	LG	TO MAIN HARNESS		
	45A	-	TO MAIN HARNESS	98A	BY	TO MAIN HARNESS		
	46A	-	TO MAIN HARNESS	99A	OL	TO MAIN HARNESS		
	47A	Y	TO MAIN HARNESS	100A	BR/W	TO MAIN HARNESS		
	48A	BN	TO MAIN HARNESS					
	49A	RL	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	GW	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	RG	TO MAIN HARNESS					
	71A	-	TO MAIN HARNESS					
	72A	Y/B	TO MAIN HARNESS					
	73A	G	TO MAIN HARNESS					
	74A	BR	TO MAIN HARNESS					
	75A	SHIELD	TO MAIN HARNESS					
	76A	LG/R	TO MAIN HARNESS					

AAHIA0739GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	B302	Connector No.	B319	15	W/L	LOAD SENSOR REAR INNER GND	B337
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	16	SB	LOAD SENSOR REAR INNER SIGNAL	
Connector Type	NS06MMW-CS	Connector Type	TH04MW-NH	17	R	LOAD SENSOR FRONT INNER VCC	
Connector Color	WHITE	Connector Color	WHITE	18	L	LOAD SENSOR FRONT OUTER VCC	
				19	Y	LOAD SENSOR REAR INNER VCC	
				20	-	-	

Terminal No.	Color of Wire	Signal Name	Signal Name	Terminal No.	Color of Wire	Signal Name
1	B	TO BODY HARNESS RH	TO BODY NO. 2 HARNESS	1	GR	TO BODY NO. 2 HARNESS
2	-	TO BODY HARNESS RH	TO BODY NO. 2 HARNESS	2	B	TO BODY NO. 2 HARNESS
3	BR	TO BODY HARNESS RH	TO BODY NO. 2 HARNESS	3	BRW	TO BODY NO. 2 HARNESS
4	R	TO BODY HARNESS RH	TO BODY NO. 2 HARNESS	4	W	TO BODY NO. 2 HARNESS
5	LG	TO BODY HARNESS RH	TO BODY HARNESS RH	5	W	TO BODY HARNESS RH
6	P	TO BODY HARNESS RH	TO BODY HARNESS RH	6	W	TO BODY HARNESS RH

Connector No.	B311	CLASSIFICATION SYSTEM CONTROL UNIT	
Connector Name	SEAT BELT BUCKLE SWITCH RH (WITHOUT FRONT PASSENGER POWER SEAT)	HUI6MB-X	
Connector Color	BLACK		
Connector Type	THQ4WW-NH	1	R/B
Connector Color	WHITE	2	LG
		3	R
			LOAD SENSOR FRONT INNER VCC

Terminal No.	Color of Wire	Signal Name
1	-	-
2	LG	LOAD SENSOR FRONT INNER SIGNAL
3	RB	LOAD SENSOR FRONT INNER GND
4	-	-

Terminal No.	Color of Wire	Signal Name
6	L/B	LOAD SENSOR FRONT OUTER GND
7	GR	K-LINE
8	G	LOAD SENSOR REAR OUTER VCC
9	W	IGN
10	-	-
11	-	-
12	BRW	ACU COMM
13	QL	LOAD SENSOR REAR OUTER GND
14	O	LOAD SENSOR REAR OUTER SIGNAL

AAHTA0740GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	M7	-	1	-	-
2	-	-	2	-	-
3	LG	M-CAN-L	3	LG	M-CAN-L
4	B	BODY GND	4	B	BODY GND
5	B	ENG GND	5	B	ENG GND
6	L	CAN-H	6	L	CAN-H
7	BR	K-LINE	7	BR	K-LINE
8	Q/R	IGN SW	8	Q/R	IGN SW
9	-	-	9	-	-
10	-	-	10	-	-
11	SB	M-CAN-H	11	SB	M-CAN-H
12	R	CAN-L	12	R	CAN-L
13	L	CAN-H	13	L	CAN-H
14	P	-	14	P	-
15	-	-	15	-	-
16	Y	BATTERY	16	Y	BATTERY

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	-	TO FRONT DOOR LH HARNESS	1	R	IGN
2	SHIELD	TO FRONT DOOR LH HARNESS	2	B	GND
3	W	TO FRONT DOOR LH HARNESS	3	Y	DR1 (+)
4	L	TO FRONT DOOR LH HARNESS	4	Y/B	DR1 (-)

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	M13	FRONT PASSENGER AIR BAG OFF INDICATOR	1	COMBINATION SWITCH (SPIRAL CABLE)	IGN
2	WHITE	AF03FW	2	COMBINATION SWITCH (SPIRAL CABLE)	GND
3	WHITE	AF03FW	3	Y	DR1 (+)
4	WHITE	AF03FW	4	Y/B	DR1 (-)

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	LG	ILL (+) - (WITHOUT HEATED STEERING WHEEL)	1	LG/B	RH DOOR SATELLITE SENSOR+
2	-	ILL (-) - (WITH HEATED STEERING WHEEL)	2	Y/B	RH DOOR SATELLITE SENSOR+
3	RG	TELLTALE LAMP A	3	L	LH DOOR SATELLITE SENSOR+
4	RG	TELLTALE LAMP A	4	W	LH DOOR SATELLITE SENSOR+

Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
1	B	GROUND	1	R/W	HORN SWITCH OUTPUT (WITH HEATED STEERING WHEEL)
2	-	-	2	GR	ILL (-) - (WITH HEATED STEERING WHEEL)
3	RG	TELLTALE LAMP A	3	L	ILL (+) - (WITH HEATED STEERING WHEEL)
4	Y/B	TELLTALE LAMP A	4	Y/B	DR1 (-)
5	-	-	5	-	-
6	Y	TELLTALE LAMP A	6	Y	DR1 (+)

AAHIA0742GB

A B C D E F G SRC H S Z O P K M T C G

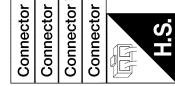
SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	M36	23A	Y	TO BODY NO. 2 HARNESS	76A	R	TO BODY NO. 2 HARNESS
Connector Name	WIRE TO WIRE	24A	L	TO BODY NO. 2 HARNESS	77A	L	TO BODY NO. 2 HARNESS
Connector Type	TH80FDGY-CS16-TM4	25A	-	TO BODY NO. 2 HARNESS	78A	SHIELD	TO BODY NO. 2 HARNESS
Connector Color	GRAY	26A	GR	TO BODY NO. 2 HARNESS	79A	GR	TO BODY NO. 2 HARNESS
		27A	LG	TO BODY NO. 2 HARNESS	80A	V	TO BODY NO. 2 HARNESS
		28A	LG	TO BODY NO. 2 HARNESS	81A	R	TO BODY NO. 2 HARNESS
		29A	GR	TO BODY NO. 2 HARNESS	82A	SHIELD	TO BODY NO. 2 HARNESS
		30A	BR	TO BODY NO. 2 HARNESS	83A	R	TO BODY NO. 2 HARNESS
		31A	W/R	TO BODY NO. 2 HARNESS	84A	O	TO BODY NO. 2 HARNESS
		32A	G/R	TO BODY NO. 2 HARNESS	85A	SHIELD	TO BODY NO. 2 HARNESS
		33A	-	TO BODY NO. 2 HARNESS	86A	W	TO BODY NO. 2 HARNESS
		34A	SHIELD	TO BODY NO. 2 HARNESS	87A	B	TO BODY NO. 2 HARNESS
		35A	P	TO BODY NO. 2 HARNESS	88A	W	TO BODY NO. 2 HARNESS
		36A	B	TO BODY NO. 2 HARNESS	89A	SHIELD	TO BODY NO. 2 HARNESS
		37A	-	TO BODY NO. 2 HARNESS	90A	G	TO BODY NO. 2 HARNESS
		38A	R/B	TO BODY NO. 2 HARNESS	91A	W/L	TO BODY NO. 2 HARNESS
		39A	G/O	TO BODY NO. 2 HARNESS	92A	BR	TO BODY NO. 2 HARNESS
		40A	V	TO BODY NO. 2 HARNESS	93A	LY	TO BODY NO. 2 HARNESS
		41A	SHIELD	TO BODY NO. 2 HARNESS	94A	RL	TO BODY NO. 2 HARNESS
		42A	SHIELD	TO BODY NO. 2 HARNESS	95A	BR	TO BODY NO. 2 HARNESS
		43A	R	TO BODY NO. 2 HARNESS	96A	R	TO BODY NO. 2 HARNESS
		44A	G	TO BODY NO. 2 HARNESS	97A	LG	TO BODY NO. 2 HARNESS
		45A	-	TO BODY NO. 2 HARNESS	98A	B/V	TO BODY NO. 2 HARNESS
		46A	-	TO BODY NO. 2 HARNESS	99A	OL	TO BODY NO. 2 HARNESS
		47A	Y	TO BODY NO. 2 HARNESS	100A	BR/W	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			

AAHIA0743GB



SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

Connector No.	Signal Name	Color of Wire	Terminal No.	Color of Wire	Signal Name
M40	WIRE TO WIRE	G/Y	1	O	TO BODY HARNESS
TH80FW-CS16-TM4	WHITE	R/Y	2	R	TO BODY HARNESS
		L	3	Y	TO BODY HARNESS
		BR	4	Y	TO BODY HARNESS
		SB	5	Y	TO BODY HARNESS
		BR	6	Y	TO BODY HARNESS
		SB	7	Y	TO BODY HARNESS
		BR	8	Y	TO BODY HARNESS
		SB	9	Y	TO BODY HARNESS
		BR	10	Y	TO BODY HARNESS
		SB	11	Y	TO BODY HARNESS
		BR	12	Y	TO BODY HARNESS
		SB	13	Y	TO BODY HARNESS
		BR	14	Y	TO BODY HARNESS
		SB	15	Y	TO BODY HARNESS
		BR	16	Y	TO BODY HARNESS
		SB	17	Y	TO BODY HARNESS
		BR	18	Y	TO BODY HARNESS
		SB	19	Y	TO BODY HARNESS
		BR	20	Y	TO BODY HARNESS
		SB	21	Y	TO BODY HARNESS
		BR	22	Y	TO BODY HARNESS
		SB	23	Y	TO BODY HARNESS
		BR	24	Y	TO BODY HARNESS
		SB	25	Y	TO BODY HARNESS
		BR	26	Y	TO BODY HARNESS
		SB	27	Y	TO BODY HARNESS
		BR	28	Y	TO BODY HARNESS
		SB	29	Y	TO BODY HARNESS
		BR	30	Y	TO BODY HARNESS
		SB	31	Y	TO BODY HARNESS
		BR	32	Y	TO BODY HARNESS
		SB	33	Y	TO BODY HARNESS
		BR	34	Y	TO BODY HARNESS
		SB	35	P	TO BODY HARNESS
		BR	36	G/R	TO BODY HARNESS
		SB	37	L	TO BODY HARNESS
		BR	38	Y	TO BODY HARNESS
		SB	39	Y	TO BODY HARNESS
		BR	40	SB	TO BODY HARNESS
		SB	41	L	TO BODY HARNESS
		BR	42	L	TO BODY HARNESS
		SB	43	W	TO BODY HARNESS
		BR	44	BR	TO BODY HARNESS
		SB	45	BG	TO BODY HARNESS
		BR	46	P	TO BODY HARNESS
		SB	47	O	TO BODY HARNESS
		BR	48	V	TO BODY HARNESS
		SB	49	BR	TO BODY HARNESS
		BR	50	G/W	TO BODY HARNESS
		SB	51	-	TO BODY HARNESS
		BR	52	SHIELD	TO BODY HARNESS
		SB	53	R	TO BODY HARNESS
		BR	54	L	TO BODY HARNESS
		SB	55	R	TO BODY HARNESS
		BR	56	W	TO BODY HARNESS
		SB	57	R	TO BODY HARNESS
		BR	58	B	TO BODY HARNESS
		SB	59	-	TO BODY HARNESS
		BR	60	SHIELD	TO BODY HARNESS
		SB	61	G	TO BODY HARNESS
		BR	62	-	TO BODY HARNESS
		SB	63	R/W	TO BODY HARNESS
		BR	64	L/W	TO BODY HARNESS
		SB	65	SHIELD	TO BODY HARNESS
		BR	66	B	TO BODY HARNESS
		SB	67	SHIELD	TO BODY HARNESS
		BR	68	W	TO BODY HARNESS
		SB	69	SHIELD	TO BODY HARNESS
		BR	70	R	TO BODY HARNESS
		SB	71	B/R	TO BODY HARNESS
		BR	72	L/W	TO BODY HARNESS
		SB	73	-	TO BODY HARNESS
		BR	74	SHIELD	TO BODY HARNESS
		SB	75	R	TO BODY HARNESS
		BR	76	O	TO BODY HARNESS
		SB	77	SHIELD	TO BODY HARNESS
		BR	78	W	TO BODY HARNESS
		SB	79	B	TO BODY HARNESS
		BR	80	W	TO BODY HARNESS

AAHIA0744GB

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH TYPE B METER

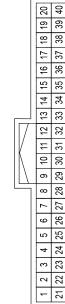
Terminal	Color of Pin	Signal Name
1	W	OUTSIDE TEMP SENSOR
2	O	AIR BAG
3	W	IGN
4	B	GND (CIRCUIT)
5	—	GND (POWER)
6	R	BAT
7	Y	SECURITY
8	W	AS BELT SW (W/O ODS)
9	BG	TOW MODE SW
10	LG	CHG
11	BR	SATELLITE SW GND
12	B	STRG SW GND
13	B	ACC
14	R	—
15	W	—
16	O	—



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



Terminal No.	Color of Wire	Signal Name	VW	AT SHIFT DOWN	15	C	CND
3	Y	AS2 (+)	L	CAN-H	15	B	CND
4	Y	AS2 (-)	P	CAN-L	16	-	-
			W	ILL UP SW	17	B	CND
			R	ILL DOWN SW	18	B	CND
			G	8P/8P OUTPUT	19	SHIELD	GROUND
			-	-	20	B	CND
			GR	ILL. CONT OUT	21	B	CND
M163		COMBINATION METER (WITH TYPE B)			22	B	GROUND
THA1EW-NKH		Connector Type			23	B	GROUND



Terminal No.	Color of Wire	Signal Name
1	R	GND (U1)

AAHIA0745GB

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

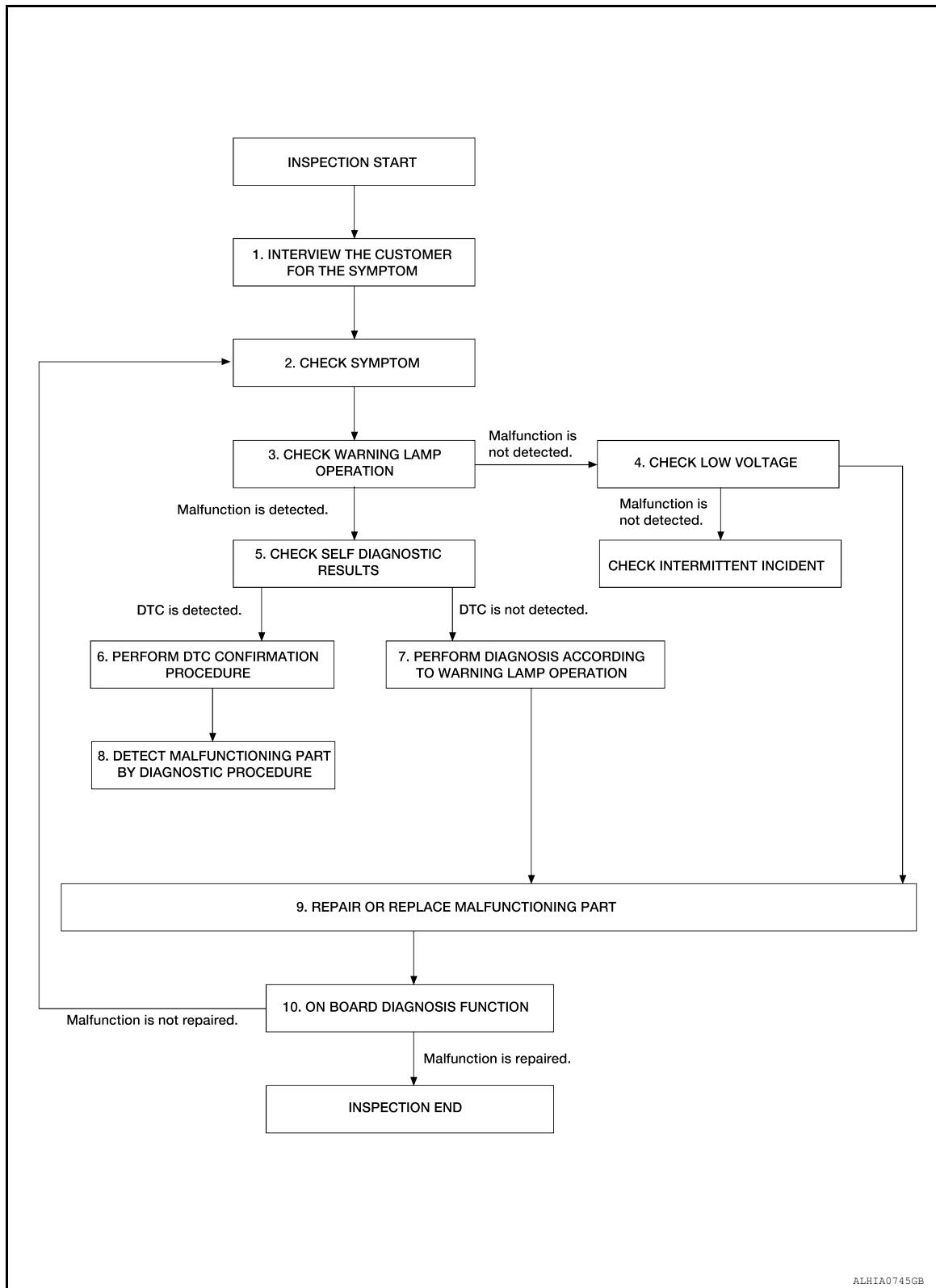
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000014392355

OVERALL SEQUENCE



A B C D E F G H I J K L M N O P

DETAILED FLOW

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

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-47, "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.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

>> 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.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:000000014693204

AIR BAG DIAGNOSIS SENSOR UNIT

Vehicle specifications are not yet written in a new air bag diagnosis sensor unit. It is therefore necessary to write the specifications to the new unit and then perform "Re/programming, Configuration" with CONSULT.

OCS CONTROL UNIT

WARNING:

Always perform zero point reset using CONSULT when removing and installing the front passenger seat or servicing the occupant classification system (OCS). If zero point reset is not performed, the OCS may not operate normally, which may increase the risk of serious injury in a collision.

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

INFOID:000000014693205

WORK PROCEDURE WHEN REPLACING AIR BAG DIAGNOSIS SENSOR UNIT

1. SAVING VEHICLE SPECIFICATION

CONSULT Configuration

Read out the vehicle specification from the old air bag diagnosis sensor unit and save the vehicle specification to CONSULT. Refer to "Configuration (reading)" in the "CONSULT Operation Manual".

NOTE:

- For the air bag diagnosis sensor unit, the Type ID is stored in CONSULT.
- The Type ID is the part number (vehicle specification) that is to be written to the air bag diagnosis sensor unit.

>> GO TO 2.

2. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [SR-27, "Removal and Installation"](#).

>> GO TO 3.

3. WRITING VEHICLE SPECIFICATION

CONSULT Configuration

Perform writing of the saved vehicle specification data according to the "Configuration" procedure in the "CONSULT Operation Manual". Refer to [SRC-55, "CONFIGURATION : Work Procedure"](#).

>> WORK END

WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT

1. PERFORM ZERO POINT RESET

Perform zero point reset. Refer to [SRC-55, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:000000014693206

Zero point reset is an initializing procedure for the OCS (weight) sensors that must be performed using CONSULT when removing and installing passenger seat or servicing the OCS system, including removing or installing OCS control unit and sensors. If zero point reset is not performed, the initialization is incomplete and OCS may not operate normally.

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

NOTE:

- When reinstalling the passenger seat, the initial value for the OCS sensors may change, and the OCS may not operate normally.
- When zero point reset is performed after removal and installation of passenger seat, CONSULT displays "complete".

ZERO POINT RESET : Special Repair Requirement

INFOID:000000014693207

1. PERFORM ZERO POINT RESET

CONSULT

1. Perform preliminary checks.

NOTE:

- Level the vehicle.
- Minimize vibrations near the vehicle.
- Remove any objects on passenger seat.
- Do not touch the vehicle during zero point reset.

2. Select "Start" on "Zero point reset function" from "Work support" of "OCCUPANT DETECTION".
3. "Zero point reset function" starts.

>> GO TO 2.

2. CONFIRM RESET

1. Check that "Complete" is displayed on "Zero point reset status".

CAUTION:

- "Complete" may be displayed if the seat has been reinstalled or "zero point reset" has already been performed.
- "Incomplete" may be displayed if a new seat is installed.
- Air bag warning lamp blinks in user mode if zero point reset is "incomplete".

Is zero point reset status "complete"?

YES >> Print out "Zero point reset current status" screen. Inspection end.

NO >> Recheck the preliminary check items and perform zero point reset again.

CONFIGURATION

CONFIGURATION : Description

INFOID:000000014693208

Since vehicle specifications are not yet written in a new air bag diagnosis sensor unit, it is necessary to write the specifications to the new unit and then perform "Re/programming, Configuration" with CONSULT. For details, refer to [SRC-55, "CONFIGURATION : Work Procedure"](#).

Configuration has three functions as follows.

Function		Description
Before Replace ECU		<ul style="list-style-type: none">• Reads the vehicle specification of current air bag diagnosis sensor unit.• Saves the read vehicle specification.
After Replace ECU	FAST linked	Searched for by using Global Web-FAST (NISSAN parts catalogue) to automatically write the Type ID* into the air bag diagnosis sensor unit.
	Manual selection	Searched for by using Global Web-FAST (NISSAN parts catalogue) to write the selected Type ID* into the air bag diagnosis sensor unit. Writes the vehicle configuration by manual selection. NOTE: This item is displayed, but not used.

*: The "Type ID" is the part number (vehicle specification) to be written to the air bag diagnosis sensor unit.

CONFIGURATION : Work Procedure

INFOID:000000014693209

1. CHECKING AIR BAG DIAGNOSIS SENSOR UNIT TYPE ID

CONSULT Configuration

1. Perform ECU setting according to the "Configuration" procedure in the "CONSULT Operation Manual". Refer to CONSULT Operation Manual.

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

2. Check if the Type ID of the air bag diagnosis sensor unit is displayed on the CONSULT screen.

Is Type ID displayed?

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

2. WRITING VEHICLE SPECIFICATION

CONSULT Configuration

Follow the procedure displayed in CONSULT for writing the saved vehicle specification data to the air bag diagnosis sensor unit.

>> GO TO 5.

3. CHECKING AIR BAG DIAGNOSIS SENSOR UNIT TYPE ID

Use Global Web-FAST (NISSAN parts catalogue) to search for the air bag diagnosis sensor unit of the applicable vehicle and find the Type ID. Refer to "FAST linked search" in the "CONSULT Operation Manual".

NOTE:

For FAST linked parts, even if a system number cannot be acquired from the air bag sensor unit before replacement, the applicable ECU setting operation can still be performed by acquiring the system number from Global Web-FAST (NISSAN parts catalogue).

>> GO TO 4.

4. WRITING VEHICLE SPECIFICATION (FAST LINKED)

CONSULT Configuration

Perform ECU setting according to the "FAST linked search" procedure in the "CONSULT Operation Manual". Refer to CONSULT Operation Manual.

>> GO TO 5.

5. CHECK ALL ECU SELF-DIAGNOSIS RESULTS

CONSULT Configuration

1. Erase all ECU self-diagnosis results using CONSULT.
2. Turn the ignition switch OFF.
3. Turn the ignition switch ON.
4. Check that all ECU self-diagnosis results have no DTC.

>> Work End.

INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000014392356

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:0000000014392357

CHECK SRS REPAIR HISTORY

Refer to [SRC-16, "SRS History Check".](#)

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000014392358

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-74, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart"](#).

DTC Logic

INFOID:0000000014392359

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-58, "Diagnosis Procedure"](#).
NO >> Refer to [GI-47, "Intermittent Incident"](#).

Diagnosis Procedure

INFOID:0000000014392360

1. CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to [LAN-53, "Trouble Diagnosis Flow Chart"](#).

>> Inspection End.

< DTC/CIRCUIT DIAGNOSIS >

U1010 CONTROL UNIT (CAN)

Description

INFOID:0000000014392361

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:0000000014392362

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

SRC

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-59, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392363

1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [SR-27, "Removal and Installation"](#).

>> Inspection End.

I

J

K

L

M

N

O

P

B0001 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0001 DRIVER AIRBAG MODULE

DTC Description

INFOID:0000000014392364

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)
	DRIVER AIRBAG MODULE [VB-SHORT]	12	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)
	DRIVER AIRBAG MODULE [SHORT]	1A	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

—

B0001 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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-61, "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-61, "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-15, "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-61, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392365

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?

B0001 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 3.

NO >> Refer to [GI-47, "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		Yes
	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-47, "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.

B0001 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

8. RELATED HARNESS

Replace the related harness.

>> Inspection End.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0010, B0011 PASSENGER AIRBAG MODULE

DTC Description

INFOID:0000000014392366

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

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[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

A

[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

B

C

[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

D

E

[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

F

FAIL-SAFE

G

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

SRC

④ CONSULT

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

I

Is the DTC detected?

J

YES (Current DTC)>> Refer to [SRC-65, "Diagnosis Procedure"](#).

J

YES (Past DTC)>> GO TO 2.

J

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

K

④ CONSULT

Erase DTC.

L

Can the DTC be erased?

L

YES >> Inspection End.

M

NO >> Refer to [SRC-65, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

M

1. CHECK SELF DIAGNOSTIC RESULT

N

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "SRS Operation Check"](#).

N

NOTE:

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

O

Is the DTC detected?

P

YES >> Refer to [SRC-65, "Diagnosis Procedure"](#).

P

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392367

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.

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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-47, "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-47, "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.

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0020 SIDE AIRBAG MODULE LH

DTC Description

INFOID:000000014392368

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

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

CONSULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-69, "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-69, "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-15, "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-69, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392369

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-47, "Intermittent Incident"](#).

3. WIRING HARNESS

Check the wiring harness for visible damage.

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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-47, "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/CIRCUIT DIAGNOSIS >

B0021 SIDE CURTAIN AIR BAG MODULE LH

DTC Description

INFOID:000000014392370

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)

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

④ CONSULT

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

Is the DTC detected?

YES (Current DTC) >> Refer to [SRC-72, "Diagnosis Procedure"](#).

YES (Past DTC) >> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

④ CONSULT

Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-72, "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-15, "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-72, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392371

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

④ 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-47, "Intermittent Incident"](#).

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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-47, "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.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0028 SIDE AIRBAG MODULE RH

DTC Description

INFOID:0000000014392372

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)

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

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-15, "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:0000000014392373

SRC

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-47, "Intermittent Incident"](#).

3. WIRING HARNESS

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

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-47, "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/CIRCUIT DIAGNOSIS >

B0029 SIDE CURTAIN AIR BAG MODULE RH

DTC Description

INFOID:000000014392374

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

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

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-78, "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-78, "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-15, "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-78, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392375

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.

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-47, "Intermittent Incident"](#).

A

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).

B

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

C

4. CONFIRM DTC

 CONSULT

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

D

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-47, "Intermittent Incident"](#).

E

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.

SRC

F

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

G

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.

H

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

I

7. RELATED HARNESS

Replace the related harness.

J

>> Inspection End.

K

L

M

N

O

P

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

DTC Description

INFOID:0000000014392376

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

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[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

A

[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

B

[UNMATCH]

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

D

[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

E

[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

F

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

SRC

1. CHECK SELF DIAGNOSTIC RESULT

CONSULT

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

I

Is the DTC detected?

J

YES (Current DTC)>> Refer to [SRC-81, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

K

2. ERASE SELF DIAGNOSTIC RESULT

CONSULT

Erase DTC.

L

Can the DTC be erased?

M

YES >> Inspection End.

NO >> Refer to [SRC-81, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

N

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

O

2. Check the air bag warning lamp status. Refer to [SRC-15, "SRS Operation Check"](#).

NOTE:

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

P

Is the DTC detected?

YES >> Refer to [SRC-81, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392377

WARNING:

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

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

- **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-47, "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-47, "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.

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

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.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

DTC Description

INFOID:000000014392378

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	—

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

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

④ CONSULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-86, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

④ CONSULT

Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-86, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

2. Check the air bag warning lamp status. Refer to [SRC-15, "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-86, "Diagnosis Procedure".](#)

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392379

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-47, "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-47, "Intermittent Incident".](#)

5. REAR SIDE AIR BAG SATELLITE SENSOR LH

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

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.

A

Is DTC still current?

B

YES >> GO TO 6.

C

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

D

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

E

Is DTC still current?

F

YES >> GO TO 7.

G

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

H

>> Inspection End.

SRC

I

J

K

L

M

N

O

P

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Description

INFOID:0000000014392380

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)
	DOOR SATEL SENS LH [COMM ERR]	81	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)
	DOOR SATEL SENS LH [UNMATCH]	86	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)
	DOOR SATEL SENS LH [SELF-DIAG ERR]	25	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)
	DOOR SATEL SENS LH [UPPER LIMIT ERR]	24	Threshold
			—
			Diagnosis delay time
			—

POSSIBLE CAUSE
[RESET], [COMM ERR]

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

- 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-89, "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-89, "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-15, "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-89, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392381

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

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

- 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-47, "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-47, "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

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Replace the related harness.

>> Inspection End.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B0094 CRASH ZONE SENSOR

DTC Description

INFOID:000000014392382

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)
	CRASH ZONE SENS [COMM ERR]	81	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)
	CRASH ZONE SENS [UNMATCH]	86	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)
	CRASH ZONE SENS [SELF-DIAG ERR]	25	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)
	CRASH ZONE SENS [UPPER LIMIT ERR]	24	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

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

A

[UNMATCH]

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

B

[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

C

[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

D

FAIL-SAFE

E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

CONSULT

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

SRC

I

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-93, "Diagnosis Procedure"](#).

J

YES (Past DTC)>> GO TO 2.

K

NO >> Inspection End.

L

2. ERASE SELF DIAGNOSTIC RESULT

CONSULT

Erase DTC.

M

Can the DTC be erased?

N

YES >> Inspection End.

O

NO >> Refer to [SRC-93, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

P

2. Check the air bag warning lamp status. Refer to [SRC-15, "SRS Operation Check"](#).

NOTE:

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

Q

Is the DTC detected?

R

YES >> Refer to [SRC-93, "Diagnosis Procedure"](#).

S

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392383

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.

T

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal

U

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 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-47, "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-47, "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.

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- >> Inspection End. A
- B
- C
- D
- E
- F
- G
- SRC**
- I
- J
- K
- L
- M
- N
- O
- P

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

INFOID:000000014392384

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

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[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

A

[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

B

[UNMATCH]

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

C

[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

E

[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

F

FAIL-SAFE

SRC

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

CONSULT

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

J

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-97, "Diagnosis Procedure"](#).

K

YES (Past DTC)>> GO TO 2.

L

NO >> Inspection End.

M

2. ERASE SELF DIAGNOSTIC RESULT

CONSULT

Erase DTC.

N

Can the DTC be erased?

O

YES >> Inspection End.

P

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-15, "SRS Operation Check"](#).

Q

NOTE:

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

R

Is the DTC detected?

S

YES >> Refer to [SRC-97, "Diagnosis Procedure"](#).

T

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392385

WARNING:

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

- 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-47, "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-47, "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

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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

A

Is DTC still current?

YES >> GO TO 7.

B

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

C

>> Inspection End.

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

INFOID:0000000014392386

DTC DETECTION LOGIC

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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 62)
			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

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[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-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-15, "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:000000014392387

WARNING:

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

- 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-47, "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-47, "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"](#).

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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/CIRCUIT DIAGNOSIS >

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Description

INFOID:000000014392388

DTC DETECTION LOGIC

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[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

A

[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

B

C

[UNMATCH]

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

D

[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

E

[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

F

G

FAIL-SAFE

SRC

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

I

Is the DTC detected?

J

YES (Current DTC)>> Refer to [SRC-107, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

K

2. ERASE SELF DIAGNOSTIC RESULT

L

Erase the DTC using CONSULT.

M

Can the DTC be erased?

N

YES >> Inspection End.

NO >> Refer to [SRC-107, "Diagnosis Procedure"](#).

O

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

P

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "SRS Operation Check"](#).

NOTE:

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

Q

Is the DTC detected?

R

YES >> Refer to [SRC-107, "Diagnosis Procedure"](#).

NO >> Inspection End.

S

Diagnosis Procedure

INFOID:000000014392389

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.

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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-47, "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-47, "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.

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

A

7. RELATED HARNESS

B

Replace the related harness.

C

>> Inspection End.

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Description

INFOID:000000014693212

DTC B00A0 OCCUPANT CLASSIFICATION SYSTEM (OCS)

The OCS control unit is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the OCS for failures and interruptions in communication between the OCS control unit and the air bag diagnosis sensor unit.

PART LOCATION

Refer to [SRC-5, "Component Parts Location"](#).

DTC Description

INFOID:000000014693213

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B00A0-00	OCCUPANT SENS [Occupant Classification System (Subfault)]	[ABNORMAL VOLTAGE]	Power supply malfunction of occupant detection sensor
B00A0-02		[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0-09		[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0-04		[UNIT MALFUNC]	Malfunction of occupant detection sensor control unit
B00A0-83		[COMM ERR]	<ul style="list-style-type: none">Communication malfunction of occupant detection sensor control unitCommunication blank of occupant detection sensor control unit
B00A0-86		[COMM ERR]	<ul style="list-style-type: none">Communication malfunction of occupant detection sensor control unitCommunication blank of occupant detection sensor control unit
B00A0-87		[COMM ERR]	<ul style="list-style-type: none">Communication malfunction of occupant detection sensor control unitCommunication blank of occupant detection sensor control unit
B00A0-88		[COMM ERR]	<ul style="list-style-type: none">Communication malfunction of occupant detection sensor control unitCommunication blank of occupant detection sensor control unit
B00A0-8F		[UNDEFINED]	Undefined status of occupant detection sensor control unit
B00A0-93		[RESET]	Reset malfunction of occupant detection sensor control unit

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:

- B00A0-00, -02 or -09: [SRC-111, "Diagnosis Procedure \(B00A0-00, -02 or -09\)"](#)
- B00A0-04: [SRC-112, "Diagnosis Procedure \(B00A0-04\)"](#)
- B00A0-83, -86, -87, -88 or -8F: [SRC-113, "Diagnosis Procedure \(B00A0-83, -86, -87, -88 or -8F\)"](#)
- B00A0-93: [SRC-114, "Diagnosis Procedure \(B00A0-93\)"](#)

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

2. ERASE SELF DIAGNOSTIC RESULT

CONSULT

Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to:

- B00A0-00, -02 or -09: [SRC-111, "Diagnosis Procedure \(B00A0-00, -02 or -09\)"](#)
- B00A0-04: [SRC-112, "Diagnosis Procedure \(B00A0-04\)"](#)
- B00A0-83, -86, -87, -88 or -8F: [SRC-113, "Diagnosis Procedure \(B00A0-83, -86, -87, -88 or -8F\)"](#)
- B00A0-93: [SRC-114, "Diagnosis Procedure \(B00A0-93\)"](#)

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-15, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to:

- B00A0-00, -02 or -09: [SRC-111, "Diagnosis Procedure \(B00A0-00, -02 or -09\)"](#)
- B00A0-04: [SRC-112, "Diagnosis Procedure \(B00A0-04\)"](#)
- B00A0-83, -86, -87, -88 or -8F: [SRC-113, "Diagnosis Procedure \(B00A0-83, -86, -87, -88 or -8F\)"](#)
- B00A0-93: [SRC-114, "Diagnosis Procedure \(B00A0-93\)"](#)

NO >> Inspection End.

Diagnosis Procedure (B00A0-00, -02 or -09)

INFOID:000000014693214

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 unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 3.

NO >> Perform the following repairs. Then, GO TO 2.

- 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 >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

3. REPLACE OCS CONTROL UNIT AND SENSORS

CONSULT

1. Replace the OCS control unit and sensors. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT : Removal and Installation"](#).

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

4. 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 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

5. RELATED HARNESS

CONSULT

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

6. REPLACE PASSENGER SEAT CUSHION FRAME

CONSULT

1. Replace the passenger seat cushion frame. Refer to [SE-95, "Exploded View"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

>> Inspection End.

Diagnosis Procedure (B00A0-04)

INFOID:0000000014693215

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 unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 3.

NO >> Perform the following repairs. Then, GO TO 2.

- 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 >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

3. REPLACE OCS CONTROL UNIT

CONSULT

1. Replace the OCS control unit. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT : Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

4. 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 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

5. RELATED HARNESS

CONSULT

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

6. REPLACE OCS SENSORS

CONSULT

1. Replace the OCS sensors. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT : Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

7. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-95, "Exploded View"](#).

2. Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

>> Inspection End.

Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)

INFOID:000000014693216

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 unit to the end component (including any in-line connectors)

Is the inspection result normal?

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 3.

NO >> Perform the following repairs. Then, GO TO 2.
• 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 for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

3.REPLACE OCS CONTROL UNIT AND SENSORS

CONSULT

1. Replace the OCS control unit and sensors. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT : Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

4.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 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

5.RELATED HARNESS

CONSULT

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

6.REPLACE PASSENGER SEAT CUSHION FRAME

CONSULT

1. Replace the passenger seat cushion frame. Refer to [SE-95, "Exploded View"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

>> Inspection End.

Diagnosis Procedure (B00A0-93)

INFOID:0000000014693217

1.PERFORM ZERO POINT RESET

CONSULT

1. Perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).
2. Turn ignition switch ON.

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

3. Check DTC.

Is DTC still current?

YES >> GO TO 2.

NO >> Clear DTC. Inspection End.

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 unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 4.

NO >> Perform the following repairs. Then, GO TO 3.

- 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 4.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

4. REPLACE OCS CONTROL UNIT

 CONSULT

1. Replace the OCS control unit. Refer to [SR-27, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

5. 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 and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

6. RELATED HARNESS

 CONSULT

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

7. REPLACE OCS SENSORS

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

 CONSULT

1. Replace the OCS sensors. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM SENSORS : Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check DTC.

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

8. REPLACE PASSENGER SEAT CUSHION FRAME

 CONSULT

1. Replace the passenger seat cushion frame. Refer to [SE-95, "Exploded View"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

>> Inspection End.

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D5 PASSENGER AIR BAG OFF INDICATOR

DTC Description

INFOID:000000014693218

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B00D5	PASS A/B INDCTR CKT [UNIT MALFUNC]	04	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 25)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	15	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 25)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [OPEN]	13	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 25)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [VB-SHORT]	12	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 25)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [GND-SHORT]	11	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 25)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[UNIT MALFUNC]

- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[PWE-SHORT/OPEN]

- Connection malfunction or short circuit to power supply of harness and connector
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

- Internal malfunction of front passenger air bag OFF indicator
- 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 passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

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-118, "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-118, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "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-118, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014693219

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.

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to [GI-47, "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-47, "Intermittent Incident"](#).

5.PASSENGER AIR BAG OFF INDICATOR

CONSULT

1. Replace the passenger air bag off indicator.
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.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:0000000014392390

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition	
B1400	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition
			Signal (terminal)
			Threshold
			Diagnosis delay time
B1401	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition
			Signal (terminal)
			Threshold
			Diagnosis delay time
B1402	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition
			Signal (terminal)
			Threshold
			Diagnosis delay time
B1403	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition
			Signal (terminal)
			Threshold
			Diagnosis delay time
B1404	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition
			Signal (terminal)
			Threshold
			Diagnosis delay time
B1405	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition
			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-15, "SRS Operation Check"](#).

NOTE:

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

Is malfunctioning part detected?

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

< DTC/CIRCUIT DIAGNOSIS >

YES >> Refer to [SRC-121, "Diagnosis Procedure"](#).
NO-1 >> To check malfunction symptom before repair: Refer to [GI-47, "Intermittent Incident"](#).
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000014392391

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-120, "DTC Description"](#).

Is DTC detected?

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

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:0000000014392392

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-15, "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-123, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-47, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000014392393

A

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.

B

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

C

Is the inspection result normal?

D

YES >> GO TO 2.

E

NO-1 >> Damage: Replace malfunctioning harness and connector.

F

NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

G

Check the wiring harness externals.

H

Is the inspection result normal?

I

YES >> GO TO 3.

J

NO >> Replace malfunctioning harness and connector.

K

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

L

1. Replace air bag diagnosis sensor unit. Refer to [SR-27, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-122, "DTC Description"](#).

M

Is DTC detected?

N

YES >> GO TO 1.

O

NO >> Inspection End.

P

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:0000000014392394

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-15, "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-124, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-47, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000014392395

WARNING:

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

< DTC/CIRCUIT DIAGNOSIS >

- 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-124, "DTC Description".](#)

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:0000000014392396

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-15, "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-127, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-47, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000014392397

A

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.

B

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

C

Is the inspection result normal?

D

YES >> GO TO 2.

E

NO-1 >> Damage: Replace malfunctioning harness and connector.

F

NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

G

Check the wiring harness externals.

H

Is the inspection result normal?

I

YES >> GO TO 3.

J

NO >> Replace malfunctioning harness and connector.

K

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

L

1. Replace air bag diagnosis sensor unit. Refer to [SR-27, "Removal and Installation"](#).

M

2. Perform DTC confirmation procedure. Refer to [SRC-126, "DTC Description"](#).

N

Is DTC detected?

O

YES >> GO TO 1.

P

NO >> Inspection End.

SRC

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142A IGNITION VOLTAGE

DTC Description

INFOID:0000000014392398

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.
	IGNITION VOLTAGE [VB-HIGH]	17	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-129, "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-129, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "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-129, "Diagnosis Procedure".](#)
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392399

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-175, "How to Handle Battery".](#)

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace battery. Refer to [PG-187, "Removal and Installation - CUMMINS 5.0L"](#) or [PG-188, "Removal and Installation - VK56VD"](#) (VK56VD).

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-47, "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.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to [GI-47, "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/CIRCUIT DIAGNOSIS >

B142X COLLISION DETECTION

DTC Description

INFOID:0000000014392400

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

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-15, "SRS Operation Check"](#).

B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

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-132, "Diagnosis Procedure"](#).

NO-1 >> To check malfunction symptom before repair: Refer to [GI-47, "Intermittent Incident"](#).

NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000014392401

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-18, "DTC Index"](#).

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1430 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:0000000014392402

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)

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

CONSULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-134, "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-134, "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-15, "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-134, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000014392403

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-47, "Intermittent Incident"](#).

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

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

A

Is the inspection result normal?

B

YES >> GO TO 4.

C

NO >> Replace the harness.

D

4. CONFIRM DTC

E

CONSULT

F

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

G

Is DTC still current?

H

YES >> GO TO 5.

I

NO >> Refer to [GI-47, "Intermittent Incident"](#).

5. SEAT BELT PRE-TENSIONER LH

J

CONSULT

K

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

L

Is DTC still current?

M

YES >> GO TO 6.

N

NO >> Clear DTC. Inspection End.

O

6. AIR BAG DIAGNOSIS SENSOR UNIT

P

CONSULT

SRC

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

S

Is DTC still current?

T

YES >> GO TO 1.

U

NO >> Clear DTC. Inspection End.

V

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1431 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:0000000014392404

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

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

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-137, "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-137, "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-15, "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-137, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392405

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-47, "Intermittent Incident"](#).

3. WIRING HARNESS

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

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-47, "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/CIRCUIT DIAGNOSIS >

B1500 DOOR SATELLITE SENSOR

DTC Description

INFOID:000000014392406

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition	
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 —
B1500	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

SRC

[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

I

DTC CONFIRMATION PROCEDURE (With CONSULT)

J

1. CHECK SELF DIAGNOSTIC RESULT

K

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

L

Is the DTC detected?

M

YES (Current DTC)>> Refer to [SRC-140, "Diagnosis Procedure"](#).

N

YES (Past DTC)>> GO TO 2.

O

NO >> Inspection End.

P

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

N

Can the DTC be erased?

O

YES >> Inspection End.

P

NO >> Refer to [SRC-140, "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-15, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

P

YES >> Refer to [SRC-140, "Diagnosis Procedure"](#).

B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014392407

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-47, "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-47, "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?

B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **Inspection End.**

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Air Bag Warning Lamp Does Not Turn On

INFOID:0000000014392408

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"](#) (with Type A meter) [MWI-187, "Removal and Installation"](#) (with Type B meter).

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000014392409

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"](#) (with type A meter) [MWI-187, "Removal and Installation"](#) (with type B meter).
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.

A

B

C

D

E

F

G

SRC

I

K

L

M

N

O

P

SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000014693795

1. SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2.

NO >> • Check 10A fuse [No. 13, located in the fuse block (J/B)].
• Check seat belt buckle switch LH.
• Check harness between combination meter and seat belt buckle switch LH.
• Check combination meter. Refer to [MWI-35, "Fail-safe"](#) (with type A meter) or [MWI-139, "Fail-safe"](#) (type B meter).

2. SEAT BELT BUCKLE LH

Fasten the seat belt buckle LH.

Does the seat belt warning lamp go OFF?

YES >> GO TO 3.

NO >> • Check seat belt buckle switch LH.
• Check harness between combination meter and seat belt buckle switch LH.

3. OCCUPANT CLASSIFICATION SYSTEM

Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

YES >> GO TO 4.

NO >> • Check occupant classification system. Refer to [SRC-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description"](#).
• Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4. SEAT BELT BUCKLE RH

Fasten the seat belt buckle RH.

Does the seat belt warning lamp go OFF?

YES >> System OK.

NO >> • Check seat belt buckle switch RH.
• Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.
• Replace air bag diagnosis sensor unit. Refer to [SR-27, "Removal and Installation"](#).

A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT

< SYMPTOM DIAGNOSIS >

A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT

Description

INFOID:000000014693796

SRS air bag warning lamp is OFF, passenger air bag indicator lamp turns ON intermittently with a person of adult stature seated normally in the passenger seat.

Diagnosis Procedure

INFOID:000000014693797

1. REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT : Removal and Installation"](#).
2. Perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

Is symptom still present?

YES >> GO TO 2.

NO >> Inspection End.

2. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-95, "Exploded View"](#).
2. Perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

>> Inspection End.

SRC

I

J

K

L

M

N

O

P

SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF

< SYMPTOM DIAGNOSIS >

SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF

Description

INFOID:0000000014693798

Vehicle conditions:

- Seat belt indicator lamp is ON, passenger air bag indicator lamp is ON or OFF
- Passenger seat is unoccupied
- Driver seat belt is buckled
- Passenger seat belt buckle harness and seat belt buckle switch are OK (buckle passenger seat belt to check if seat belt indicator lamp turns OFF, driver seat belt needs to be buckled)

Diagnosis Procedure

INFOID:0000000014693799

1. REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to [SR-30, "OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT : Removal and Installation"](#).
2. Perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

Is symptom still present?

YES >> GO TO 2.

NO >> Inspection End.

2. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-95, "Exploded View"](#).
2. Perform zero point reset. Refer to [SRC-54, "ZERO POINT RESET : Description"](#).

>> Inspection End.