SRS AIRBAG CONTROL SYSTEM

CONTENTS

BASIC INSPECTION5	DTC/CIRCU
DIAGNOSIS AND REPAIR WORK FLOW 5 Work Flow	B1001, B1002 NOSIS SENS
INSPECTION AND ADJUSTMENT8	Description DTC Logic
ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT	Diagnosis Pro B1006, B1007 NOSIS SENS Description DTC Logic Diagnosis Pro
ZERO POINT RESET	B1011, B1012 NOSIS SENS Description DTC Logic
SYSTEM DESCRIPTION10	Diagnosis Pro
SRS AIR BAG SYSTEM10System Diagram10System Description10Component Parts Location12Component Description13	B1017, B1020 CONTROL UI Description DTC Logic Diagnosis Pro
OCCUPANT DETECTION SYSTEM14System Diagram	B1018 OCCU Description DTC Logic Diagnosis Pro B1022 OCCU
ON BOARD DIAGNOSTIC (OBD) SYSTEM17 Diagnosis Description	Description DTC Logic Diagnosis Pro
DIAGNOSIS SYSTEM (AIR BAG)23 CONSULT Function	B1023 PASS
DIAGNOSIS SYSTEM (OCCUPANT DETEC- TION SYSTEM)	TOR Description DTC Logic

DTC/CIRCUIT DIAGNOSIS25	F
B1001, B1002, B1003, B1004, B1005 DIAG- NOSIS SENSOR UNIT 25 Description 25 DTC Logic 25 Diagnosis Procedure 25	G
B1006, B1007, B1008, B1009, B1010 DIAG- NOSIS SENSOR UNIT 27 Description 27 DTC Logic 27 Diagnosis Procedure 27	I
B1011, B1012, B1013, B1014, B1015 DIAG- NOSIS SENSOR UNIT 29 Description 29 DTC Logic 29 Diagnosis Procedure 29	J
B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT	L
B1018 OCCUPANT SYSTEM SENSOR	Ν
B1022 OCCUPANT SYSTEM CONTROL UNIT	O P
B1023 PASSENGER AIR BAG OFF INDICA- FOR	

А

В

С

D

Е

Diagnosis Procedure	. 37
B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR	20
Description	
DTC Logic	
Diagnosis Procedure	
B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT	. 41
Description	
DTC Logic	. 41
Diagnosis Procedure	. 41
B1033, B1034 CRASH ZONE SENSOR	. 43
Description	. 43
DTC Logic	
Diagnosis Procedure	. 43
B1035 CRASH ZONE SENSOR	. 45
Description	
DTC Logic	
Diagnosis Procedure	. 45
B1036 CRASH ZONE SENSOR	
Description	
DTC Logic Diagnosis Procedure	
-	41
B1037, B1039, B1041 CRASH ZONE SEN-	
SOR	
Description DTC Logic	
Diagnosis Procedure	
B1042, B1043, B1044, B1045, B1046, B1047	
DIAGNOSIS SENSOR UNIT	51
Description	
DTC Logic	. 51
Diagnosis Procedure	. 51
B1049, B1054 DRIVER AIR BAG MODULE	. 53
Description	. 53
DTC Logic	
Diagnosis Procedure	. 53
B1050, B1055 DRIVER AIR BAG MODULE	. 55
Description	
DTC Logic	
Diagnosis Procedure	. 55
B1051, B1056 DRIVER AIR BAG MODULE	
DTC Logic Diagnosis Procedure	
-	
B1052, B1057 DRIVER AIR BAG MODULE	
Description DTC Logic	
Dio Logic Diagnosis Procedure	
	20

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT	61
Description	. 61
DTC Logic Diagnosis Procedure	
B1065, B1070 PASSENGER AIR BAG MOD-	
ULE	
Description DTC Logic	
Diagnosis Procedure	
B1066, B1071 PASSENGER AIR BAG MOD-	
ULE Description	
DTC Logic	. 65
Diagnosis Procedure	. 65
B1067, B1072 PASSENGER AIR BAG MOD- ULE	67
Description	. 67
DTC Logic Diagnosis Procedure	
B1068, B1073 PASSENGER AIR BAG MOD-	. 07
ULE	69
Description	
DTC Logic Diagnosis Procedure	
B1074, B1075, B1076, B1077, B1078, B1079	
DIAGNOSIS SENSOR UNIT Description DTC Logic	. 71
Description	. 71 . 71
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE	. 71 . 71 . 71 . 71
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description	. 71 . 71 . 71 . 71
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE	. 71 . 71 . 71 . 73 . 73 . 73
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH	.71 .71 .71 .73 .73 .73 .73 .73
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH Description	.71 .71 .71 .73 .73 .73 .73 .73 .73
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH	.71 .71 .71 .73 .73 .73 .73 .73 .75 .75
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic	.71 .71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH DESCRIPTION DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DESCRIPTION DESCRIPTION	.71 .71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .77
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic DTC Logic	.71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .77 .77
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1082 SEAT BELT PRE-TENSIONER RH Description DTC Logic DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH	.71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .77 .77 .77
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1082 SEAT BELT PRE-TENSIONER RH Description DTC Logic DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH Description	.71 .71 .73 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .77 .77 .77 .77 .77
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1082 SEAT BELT PRE-TENSIONER RH Description DTC Logic DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH	.71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .75 .77 .77 .77 .77
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1082 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH	.71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .77 .77 .77 .77 .77
Description DTC Logic Diagnosis Procedure B1080, B1096 DRIVER AIR BAG MODULE Description DTC Logic Diagnosis Procedure B1081 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure B1082 SEAT BELT PRE-TENSIONER RH DEscription DTC Logic Diagnosis Procedure B1083 SEAT BELT PRE-TENSIONER RH Description DTC Logic Diagnosis Procedure	.71 .71 .73 .73 .73 .73 .73 .75 .75 .75 .75 .75 .77 .77 .77 .77 .79 .79 .79 .79 .79 .79

B1086 SEAT BELT PRE-TENSIONER LH	83
Description	83
DTC Logic	
Diagnosis Procedure	83
B1087 SEAT BELT PRE-TENSIONER LH	
Description	
DTC Logic	
Diagnosis Procedure	85
B1088 SEAT BELT PRE-TENSIONER LH	87
Description	
DTC Logic	
Diagnosis Procedure	
-	
B1089 SEAT BELT PRE-TENSIONER LH	89
Description	89
DTC Logic	89
Diagnosis Procedure	89
B1090, B1091, B1092, B1093, B1094, B10	
DIAGNOSIS SENSOR UNIT	
Description	
DTC Logic	
Diagnosis Procedure	91
D1106 D1107 D1100 D1100 D1110 D11	11
B1106, B1107, B1108, B1109, B1110, B11	
DIAGNOSIS SENSOR UNIT	
Description	
DTC Logic	
Diagnosis Procedure	93
B1113, B1114 SATELLITE SENSOR RH	95
Description	
Description DTC Logic	
Diagnosis Procedure	
B1115 SATELLITE SENSOR RH	97
Description	97
DTC Logic	
Diagnosis Procedure	
-	
B1116 SATELLITE SENSOR RH	
Description	
DTC Logic	
Diagnosis Procedure	99
B1118, B1119 SATELLITE SENSOR LH	101
Description	
DTC Logic	
Diagnosis Procedure	101
B1120 SATELLITE SENSOR LH	103
Description	
DTC Logic	
Diagnosis Procedure	
ů –	
B1121 SATELLITE SENSOR LH	
Description	105
DTC Logic	
Diagnosis Procedure	

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT	А
Description	В
B1129 SIDE AIR BAG MODULE RH 109 Description 109 DTC Logic 109	С
Diagnosis Procedure109 B1130 SIDE AIR BAG MODULE RH	
Description	D
B1131 SIDE AIR BAG MODULE RH	F
B1132 SIDE AIR BAG MODULE RH 115 Description	G
Diagnosis Procedure115	SRO
B1134 SIDE AIR BAG MODULE LH 117 Description 117 DTC Logic 117 Diagnosis Procedure 117	I
B1135 SIDE AIR BAG MODULE LH 119 Description 119 DTC Logic	J
B1136 SIDE AIR BAG MODULE LH	K
B1137 SIDE AIR BAG MODULE LH123Description123DTC Logic123Diagnosis Procedure123	M
B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT	Ν
DTC Logic	0
B1144 DIAGNOSIS SENSOR UNIT	Ρ
B1145 CURTAIN AIR BAG MODULE RH128Description128DTC Logic128Diagnosis Procedure128	

B1146 CURTAIN AIR BAG MODULE RH 130	0
Description130	
DTC Logic130	
Diagnosis Procedure130)
B1147 CURTAIN AIR BAG MODULE RH 132	
Description132	
DTC Logic132	
Diagnosis Procedure132	2
B1148 CURTAIN AIR BAG MODULE RH 134	
Description	
DTC Logic	
Diagnosis Procedure134	1
B1150 CURTAIN AIR BAG MODULE LH 136	6
Description	
DTC Logic	
Diagnosis Procedure	
	J
B1151 CURTAIN AIR BAG MODULE LH 138	8
Description138	3
DTC Logic	
Diagnosis Procedure138	
C C C C C C C C C C C C C C C C C C C	
B1152 CURTAIN AIR BAG MODULE LH 140)
Description140	
DTC Logic140)
Diagnosis Procedure140)
	_
B1153 CURTAIN AIR BAG MODULE LH 142	
Description	
DTC Logic	
Diagnosis Procedure142	2
B1154, B1155, B1156, B1157, B1158, B1159	
DIAGNOSIS SENSOR UNIT	1
Description	
Description	
Diagnosis Procedure	
	+
B1170, B1171, B1172, B1173, B1174, B1175	
DIAGNOSIS SENSOR UNIT 146	6
Description146	
DTC Logic146	
Diagnosis Procedure146	3
	-
B1186, B1187, B1188, B1189, B1190, B1191	
DIAGNOSIS SENSOR UNIT 148	3
Description148	3
DTC Logic148	
Diagnosis Procedure148	3
B1000 B1000 B1004 B1005 B1000 B1007	
B1202, B1203, B1204, B1205, B1206, B1207	•
DIAGNOSIS SENSOR UNIT 150	
Description	
DTC Logic	
Diagnosis Procedure150	J
B1209 FRONTAL COLLISION DETECTION . 152	2
Description	

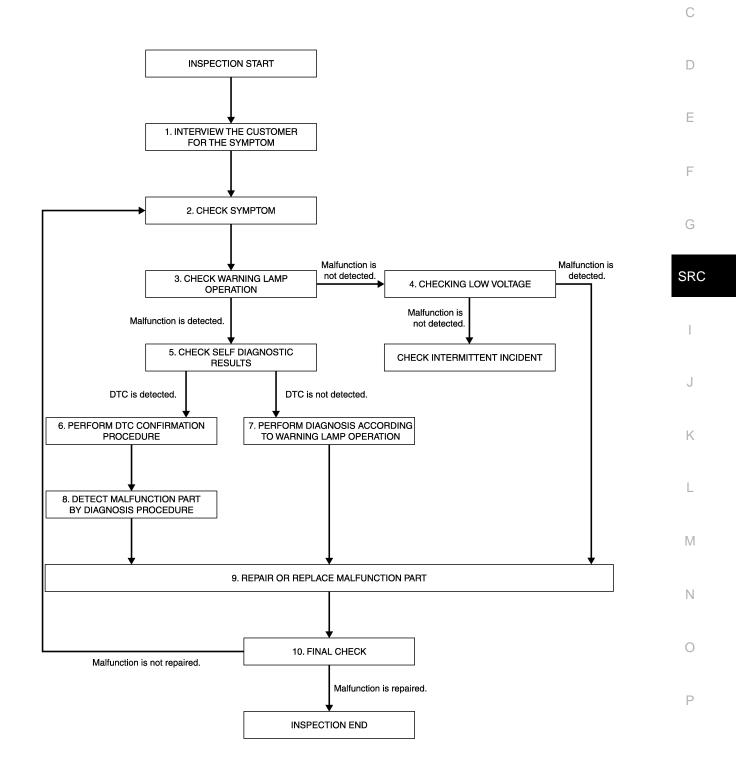
DTC Logic
B1210 SIDE COLLISION DETECTION
B1211 ROLLOVER DETECTION154Description154DTC Logic154Diagnosis Procedure154
B1212, B1213, B1214 SATELLITE SENSOR RH 155 Description 155 DTC Logic 155 Diagnosis Procedure 155
B1215, B1216, B1217 SATELLITE SENSOR LH 157 Description 157 DTC Logic 157 Diagnosis Procedure 157
B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT Description DTC Logic Diagnosis Procedure
B1239 DIAGNOSIS SENSOR UNIT161 Description
ECU DIAGNOSIS INFORMATION162
DIAGNOSIS SENSOR UNIT
SYMPTOM DIAGNOSIS168
SRS AIR BAG WARNING LAMP DOES NOT TURN OFF
SRS AIR BAG WARNING LAMP DOES NOT TURN ON
PRECAUTION170
PRECAUTIONS 170 Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN-SIONER" SIONER" 170 Service 170 Occupant Detection System Precaution 171

< BASIC INSPECTION >

BASIC INSPECTION DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



JMHIA1324GB

DETAILED FLOW

Revision: 2012 August

2013 CUBE

А

В

INFOID:000000008449949

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.

$\mathbf{3.}$ CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>.

Are any malfunction detected?

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

4.CHECK LOW VOLTAGE

Check low voltage with CONSULT. Refer to SRC-23, "CONSULT Function".

Are any malfunction detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to <u>GI-41, "Intermittent Incident"</u>.

5.CHECK SELF DIAGNOSTIC RESULTS

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 them 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.

1.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

- 1. Check air bag warning lamp operation in the user mode. Refer to <u>SRC-17. "Diagnosis with Air Bag Warn-ing Lamp"</u>.
- 2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to <u>SRC-17, "Diagnosis with</u> <u>Air Bag Warning Lamp"</u> (USER MODE).

>> GO TO 9.

$\mathbf{8}$. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >	
9. REPAIR OR REPLACE THE MALFUNCTION PART	Δ
Repair or replace the malfunctioning part.	A
>> GO TO 10.	В
10.FINAL CHECK	
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.	D
	E

SRC

L

J

Κ

L

M

Ν

Ο

Ρ

F

G

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:000000008449950

When replacing or removing and installing passenger seat, always perform zero point reset so that Occupant Detection System is activated normally.

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

WORK PROCEDURE WHEN REPLACING CONTROL UNIT

1.PERFORM ZERO POINT RESET

Perform zero point reset. Refer to SRC-8, "ZERO POINT RESET : Special Repair Requirement".

>> END ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:000000008449952

Zero point reset is an initializing procedure for occupant detection sensor that must be performed when replacing or removing and installing passenger seat.

If zero point reset is not performed, the initialization is incomplete and Occupant Detection System does not operate normally.

NOTE:

- When replacing passenger seat with a NISSAN genuine part, air bag warning lamp blinks if zero point reset is incomplete.
- When zero point reset is performed once after removal and installation of passenger seat, CONSULT displays "complete" and air bag warning does not blink.
- When reinstalling passenger seat after removal, the initial value for occupant detection sensor changes, and Occupant Detection System does not operate normally.
- Always perform zero point reset after performing the work as per the following.
- Reinstallation of passenger seat
- Replacement of passenger seat with a seat that is zero point reset complete.

ZERO POINT RESET : Special Repair Requirement

INFOID:000000008449953

1.PERFORM ZERO POINT RESET

1. Perform zero point reset. **NOTE:**

When performing zero point reset, be careful of the items described as per the following.

- Perform zero point reset after installing passenger seat to the vehicle
- Do not put any objects on passenger seat
- Do not apply excessive vibration to the vehicle
- Do not touch the vehicle
- Do not tilt the vehicle
- 2. Select start on "Zero point reset function" screen from, WORK SUPPORT of CONSULT "OCCUPANT DETECTION".
- 3. "Zero point reset" starts.

>> GO TO 2.

2. CONFIRMATION OF SETTING

 Proceed to "Zero point reset function" screen from work support of CONSULT "OCCUPANT DETEC-TION".

2. Check that "Complete" or "Incomplete" is displayed on "Zero point reset status".

CAUTION:

SRC-8

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

- "Complete" is displayed on "zero point reset current status" if the seat is reinstalled by seat removal and installation, or "zero point reset" is already performed. А • "Zero point reset current status" displays "Incomplete" if a new seat is installed. When turning key switch ON without performing zero point reset, air bag warning lamp blinks. When zero point reset is performed, air bag warning lamp turns OFF. В Air bag warning lamp blinks in user mode only. Air bag sensor unit does not record whether or not zero point reset is performed. Is condition "ALREADY PERFORMED"? YES >> Print out "ZERO POINT RESET CURRENT STATUS" screen, and inspection end. NO >> Check condition as per the following, and perform zero point reset again. • Passenger seat is occupied by an object. D Excessive vibration is applied while performing zero point reset. Occupant detection system is malfunctioning. NOTE:
 - If "Incomplete" is displayed on "zero point reset current status", zero point reset is not completed normally. Check the condition as per the following and perform zero point reset again.
 - Passenger seat is occupied by an object.
 - Excessive vibration is applied while performing zero point reset.
 - Occupant detection system is malfunctioning.

SRC

Κ

L

Μ

Ν

Ρ

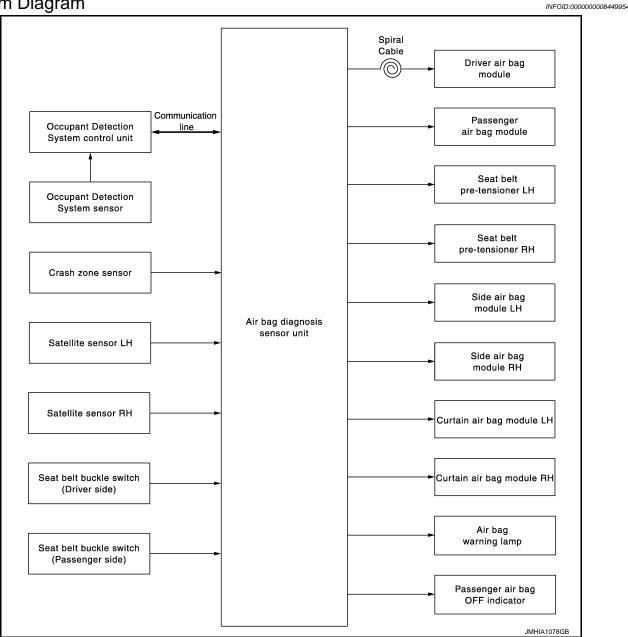
E

F

< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION SRS AIR BAG SYSTEM

System Diagram



System Description

INFOID:000000008449955

Supplemental Restraint System (SRS) activates air bag module and seal belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag diagnosis sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag diagnosis sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag. At the same time, pre-tensioner seat belt receives power supply from air bag diagnosis sensor unit, gasgenerator is activated, and then gas is generated. Balls in pipe are moved according to generated gas pressure and strike pinion gear on ELR shaft. ELR shaft rotates and retracts seat belt.

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by a adult or a child and passenger seat belt is not fasten, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to SBC-3, "System Description".

COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

5	Ū		×: Apply —: Not apply	G
SRS configuration	Frontal collision	Left side collision	Right side collision	
Driver air bag module.	×	—	_	
Passenger air bag module.	×	—	_	SR
Seat belt pre-tensioner LH.	×	_	_	
Seat belt pre-tensioner RH.	×	_	_	
Side air bag module LH.	—	×	—	
Side air bag module RH.	—	—	×	
Curtain air bag module LH.	—	×	_	J
Curtain air bag module RH.	—	_	×	

А

С

D

Е

F

Κ

L

Μ

Ν

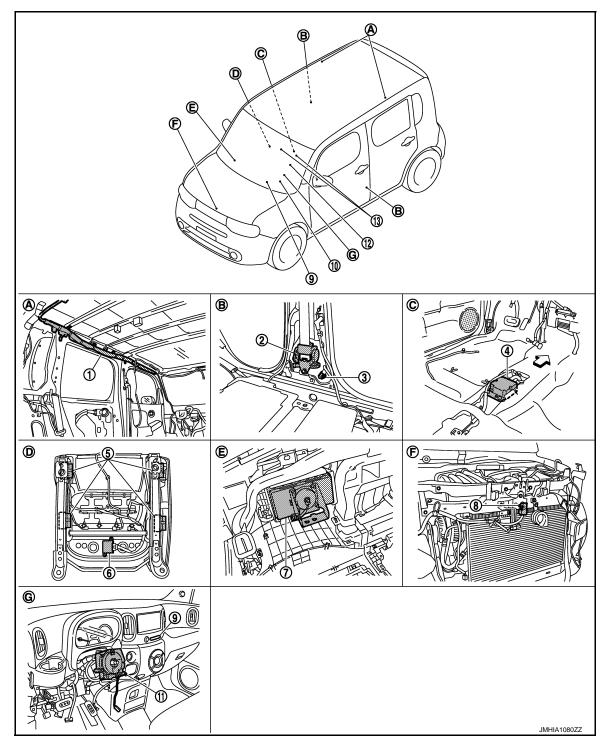
Ρ

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000008449956



- 1. Curtain air bag module LH/RH
- 4. Air bag diagnosis sensor unit
- 7. Passenger air bag module
- 10. Combination meter Refer to <u>MWI-8, "METER SYSTEM :</u> <u>Component Parts Location"</u>
- 13. Seat belt buckle switch (Driver side/ Passenger side)
- 2. Seat belt pre-tensioner LH/RH
- 5. Occupant Detection System seat sensor
- 8. Crash zone sensor
- 11. Combination switch (spiral cable)
- 3. Satellite sensor LH/RH
- 6. Occupant Detection System control unit
- 9. Passenger air bag OFF indicator
- 12. Driver air bag module

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

- A. Behind headlining
- D. Backside of passenger seat cushion frame
- G. View with steering wheel removed

Component Description

- Behind center pillar lower gamish C.
- E. Behind glove box assembly

В.

Behind center console assembly

View with front grille removed

F.

INFOID:000000008449957

А

В

Component	Function	
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.	
Air bag module • Driver • Passenger • Side • Curtain	Receives signal from air bag diagnosis sensor unit and deploys air bag.	
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-te er.	
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.	
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.	
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.	
Occupant Detection System control unit	Detects passenger seat occupant and judges whether or not passenger seat air bag is deployed.	
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air b warning lamp.	
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Detection System.	
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.	

Κ

L

Μ

Ν

Ο

Ρ

OCCUPANT DETECTION SYSTEM

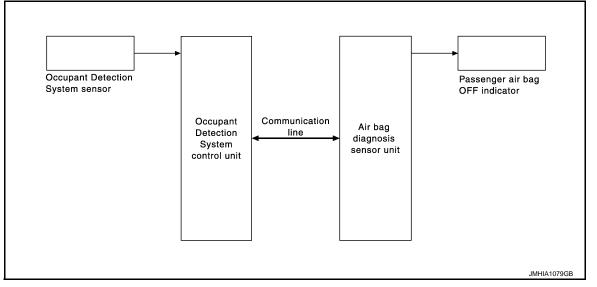
< SYSTEM DESCRIPTION >

OCCUPANT DETECTION SYSTEM

System Diagram

INFOID:000000008449958

OCCUPANT DETECTION SYSTEM



System Description

INFOID:000000008449959

This Occupant Detection System has the following functions.

- Suppress the deployment of passenger air bag when passenger seat is empty, or when occupied by child and child-seat.
- Turns ON passenger air bag OFF indicator when passenger seat is occupied by child-seat and child.
- Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
- Indicates the malfunctioning record by CONSULT.
- When "zero point reset" for Occupant Detection System is incomplete, CONSULT indicates that "zero point reset" is incomplete. This function is applied to NISSAN genuine parts only.

NOTE:

- Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Detection System.
- Even if zero point reset is "complete", always perform zero point reset after the removal and installation of seat or the removal of control unit harness connector.

Status (passenger seat)	Passenger air bag	Passenger air bag OFF in- dicator	Air bag warning lamp
Empty	Suppress	OFF	OFF
An object	Suppress	ON	OFF
Child/ child-seat	Suppress	ON	OFF
Adult	Enable to deploy	OFF	OFF
Malfunction	Suppress	ON	Blinking
Zero point reset Not yet performed (NISSAN genuine parts only)	Suppress	ON	Blinking

OCCUPANT DETECTION SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

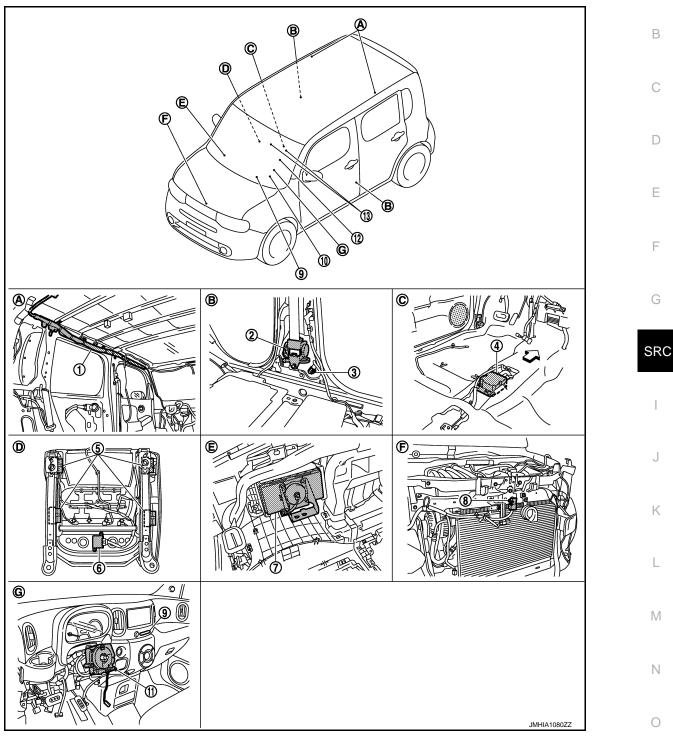
INFOID:000000008449960

А

F

L

Ρ



- 1. Curtain air bag module LH/RH
- 4. Air bag diagnosis sensor unit
- 7. Passenger air bag module
- 10. Combination meter Refer to MWI-8, "METER SYSTEM : Component Parts Location"
- 13. Seat belt buckle switch (Driver side/ Passenger side)
- 2. Seat belt pre-tensioner LH/RH
- 5. Occupant Detection System seat sensor
- 8. Crash zone sensor
- 11. Combination switch (spiral cable)
- 3. Satellite sensor LH/RH
- Occupant Detection System control 6. unit
- 9. Passenger air bag OFF indicator 12. Driver air bag module

Revision: 2012 August

OCCUPANT DETECTION SYSTEM

< SYSTEM DESCRIPTION >

- Behind headlining Α.
- В. Behind center pillar lower gamish
- Backside of passenger seat cushion E. D. frame
- Behind glove box assembly
- C. Behind center console assembly
- F. View with front grille removed

- G. View with steering wheel removed

Component Description

INFOID:000000008449961

Component parts	Outline of function
Occupant Detection System sensor	Detects if the passenger seat is empty or occupied
Occupant Detection System control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the passenger seat is occupied by a child or a child-seat
Air bag diagnosis sensor unit	 Performs the deploy judgement of passenger air bag based on the information from Occupant Detection System control unit. Passenger air bag OFF indicator turns ON or turns OFF when passenger state signal detected by Occupant Detection System control unit is received.

< SYSTEM DESCRIPTION >

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Diagnosis Description

CAUTION:

- Never use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Never repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read with air bag warning lamp and/or CONSULT.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT are as per the following items.

		×: Application, —: Not application	F
Diagnosis tool	User mode	Diagnosis mode	1
Air bag warning lamp	×	×	
CONSULT	-	×	G

Diagnosis with Air Bag Warning Lamp

SELF DIAGNOSIS FUNCTION

There are two self diagnosis functions with air bag warning lamp per the following items.

- USER MODE
- DIAGNOSIS MODE

CHANGE DIAGNOSIS MODE

- Diagnosis mode changes from user mode to diagnosis mode when changing operation is performed.
- In user mode, when SRS air bag warning lamp is not blinking, changing to diagnosis mode by ignition switch operation is not possible.
- In diagnosis mode, when repair is complete and system is normal, the mode changes to user mode when ignition switch is turned from OFF to ON.

PROCEDURE TO CHANGE DIAGNOSIS MODE

- 1. Turn ignition switch from OFF to ON.
- SRS air bag lamp turns ON for 7 second and turns OFF, then turn ignition switch OFF within 1 second after the lamp turns OFF.
- 3. After turning ignition switch OFF, wait for 3 seconds or more.
- 4. Repeat operation 1 to 3 for 2 times so that operation 1 to 3 is repeated for 3 times in total.
- 5. Turn ignition switch from OFF to ON. Diagnosis mode changes.

USER MODE

In USER MODE, air bag warning lamp on combination meter blinks when a malfunction is detected and warns the customer (driver).

How to Read Air Bag Warning Lamp

- 1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
- 2. Compare the air bag warning lamp blinking pattern with the examples.

Air Bag Warning Lamp Examples

INFOID:000000008449963

SRC

Κ

L

M

А

D

Е

INFOID:000000008449962

< SYSTEM DESCRIPTION >

Air bag warning lamp operation (user mode)	SRS condition	Reference item
OFF	 No malfunction is detected No further action is necessary 	
SHIA0011E	The system is malfunctioning	Erase "Self Diagnostic Result"
IGN ON	Self diagnostic result is not erased af- ter repair	Refer to <u>SRC-23</u> , " <u>CONSULT Func</u> tion", How to Erase Self-diagnostic Result
	Battery voltage is low (less than 9 V)	Check "Cause of Warning Lamp" with CONSULT. Refer to <u>SRC-23, "CONSULT Func</u> tion"
7 sec. 0.5 sec. 0.5 sec.	Zero point reset is not completed	Go to <u>SRC-8, "ZERO POINT RE-</u> <u>SET : Description"</u>
SHIA0012E	Intermittent malfunction is detected in the past	Go to GI-41, "Intermittent Incident"
	Air bag is deployedSeat belt pre-tensioner is deployed	Go to <u>SRC-152, "Diagnosis Proce-</u> dure" or <u>SRC-153, "Diagnosis Pro-</u> cedure"
ON OFF SHIA0013E	 Air bag diagnosis sensor unit is mal- functioning Air bag power supply circuit is mal- functioning Air bag warning lamp circuit is mal- functioning 	Go to <u>SRC-168, "Diagnosis Proce-</u> dure"
Grinkoo (de		
IGN ON ON OFF	 Air bag diagnosis sensor unit is mal- functioning Air bag warning lamp circuit is mal- functioning 	Go to <u>SRC-169. "Diagnosis Proce</u> dure"
SHIA0014E		

DIAGNOSIS MODE

The diagnosis mode can only be switched when a malfunction is detected in the user mode. Malfunctioning system is indicated according to blinking pattern of air bag warning lamp.

How to Read Air Bag Warning Lamp

- 1. Follow the procedures of "PROCEDURE TO CHANGE DIAGNOSIS MODE", and switch to the diagnosis mode.
- 2. Turn ignition switch ON. Check the blinking pattern of air bag warning lamp.
 - There are 2 blinking patterns for the air bag warning lamp as per the following items.
 - Front air bag system: 3 second blink followed by a 0.5 second blink repeated.

SRC-18

< SYSTEM DESCRIPTION >

• Side air bag system: Two 1.5 second blinks followed by a 0.5 second blink repeated.

Front air bag system

lumber of 0.5 second blinks	Malfunctioning items	Blinking pattern
0	 Self-diagnostic result is not erased after repair Intermittent malfunction is detected in the past 	Refer to the following items Refer to How to Erase Self-diagnostic Result <u>GI-41, "Intermittent Incident"</u>
1	Seat belt pre-tensioner RH	Refer to the following items • SRC-75, "DTC Logic" • SRC-77, "DTC Logic" • SRC-79, "DTC Logic" • SRC-81, "DTC Logic"
2	Driver air bag module	Refer to the following items • SRC-53, "DTC Logic" • SRC-55, "DTC Logic" • SRC-57, "DTC Logic" • SRC-59, "DTC Logic" • SRC-59, "DTC Logic" • SRC-73, "DTC Logic"
3	Seat belt pre-tensioner LH	Refer to the following items • SRC-83, "DTC Logic" • SRC-85, "DTC Logic" • SRC-87, "DTC Logic" • SRC-89, "DTC Logic"
5	Occupant Detection System control unit	Refer to the following items • SRC-31, "DTC Logic" • SRC-33, "DTC Logic" • SRC-35, "DTC Logic" • SRC-39, "DTC Logic"
6	Crash zone sensor	Refer to the following items • SRC-43, "DTC Logic" • SRC-45, "DTC Logic" • SRC-47, "DTC Logic" • SRC-49, "DTC Logic"
		Refer to the following items • SRC-25, "DTC Logic" • SRC-27, "DTC Logic" • SRC-29, "DTC Logic" • SRC-41, "DTC Logic"
7	Air bag diagnosis sensor unit	 <u>SRC-51, "DTC Logic"</u> <u>SRC-61, "DTC Logic"</u> <u>SRC-71, "DTC Logic"</u> <u>SRC-91, "DTC Logic"</u> <u>SRC-93, "DTC Logic"</u> <u>SRC-107, "DTC Logic"</u>
		 <u>SRC-107, "DTC Logic"</u> <u>SRC-125, "DTC Logic"</u> <u>SRC-144, "DTC Logic"</u> <u>SRC-146, "DTC Logic"</u> <u>SRC-148, "DTC Logic"</u> <u>SRC-150, "DTC Logic"</u> <u>SRC-159, "DTC Logic"</u> <u>SRC-161, "DTC Logic"</u>
8	Passenger air bag module	SRC-161, "DTC Logic" Refer to the following items SRC-63, "DTC Logic" SRC-65, "DTC Logic" SRC-67, "DTC Logic" SRC-69, "DTC Logic"
11	Passenger air bag OFF indicator	Refer to <u>SRC-37, "DTC Logic"</u> .
17	Air bag diagnosis sensor unit	Refer to <u>SRC-127</u> , "DTC Logic"

< SYSTEM DESCRIPTION >

Number of 0.5-second blinks	Malfunctioning items	Blinking pattern
1	Side air bag module RH	Refer to the following items• SRC-109, "DTC Logic"• SRC-111, "DTC Logic"• SRC-113, "DTC Logic"• SRC-115, "DTC Logic"
2	Side air bag module LH	Refer to the following items• SRC-117, "DTC Logic"• SRC-119, "DTC Logic"• SRC-121, "DTC Logic"• SRC-123, "DTC Logic"
3	Satellite sensor RH	Refer to the following items• SRC-95, "DTC Logic"• SRC-97, "DTC Logic"• SRC-99, "DTC Logic"• SRC-155, "DTC Logic"
4	Satellite sensor LH	Refer to the following items• SRC-101, "DTC Logic"• SRC-103, "DTC Logic"• SRC-105, "DTC Logic"• SRC-157, "DTC Logic"
5	Curtain air bag module RH	Refer to the following items• SRC-128, "DTC Logic"• SRC-130, "DTC Logic"• SRC-132, "DTC Logic"• SRC-134, "DTC Logic"
6	Curtain air bag module LH	Refer to the following items• SRC-136, "DTC Logic"• SRC-138, "DTC Logic"• SRC-140, "DTC Logic"• SRC-142, "DTC Logic"

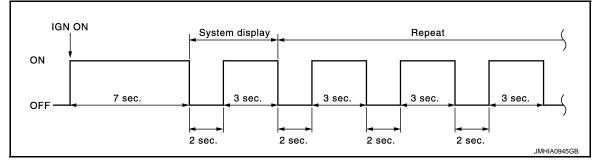
How to Erase Self Diagnosis Result

After a malfunction is repaired, turn the ignition switch OFF for one second or more, then turn ignition switch ON. The diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

System Normal

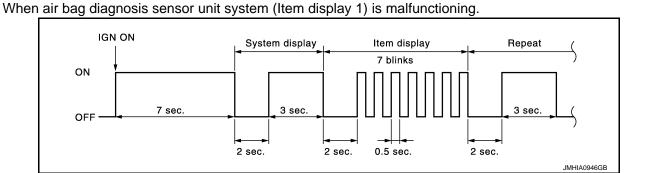
When system is normal.



Single System Malfunction

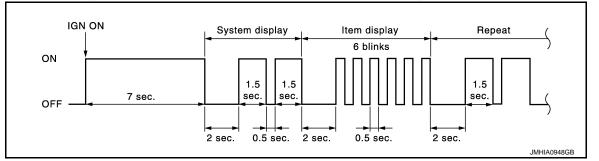
• Front air bag system

< SYSTEM DESCRIPTION >



Side air bag system

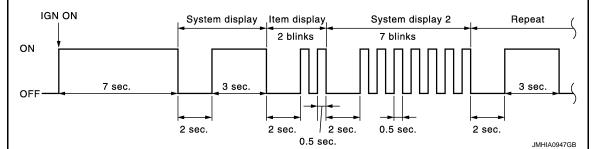
When curtain air bag module LH system (Item display 1) is malfunctioning.



Multiple Systems Malfunction

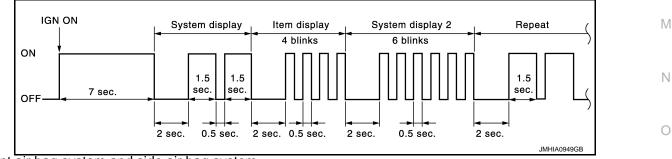
• Front air bag system

When driver air bag module (Item display 1) and air bag diagnosis sensor unit system (Item display 2) are malfunctioning.



• Side air bag system

When satellite sensor LH (Item display1) and curtain air bag module LH system (Item display 2) are malfunc-



Front air bag system and side air bag system

А

В

D

Ε

F

SRC

Κ

Ρ

< SYSTEM DESCRIPTION >

When driver air bag module (Item display 1) and satellite sensor RH (Item display2) are malfunctioning. IGN ON System display Item display 1 System display Item display 2 Repeat 2 blinks 3 blinks ON 1.5 1.5 7 sec. 3 sec. 3 sec. sec. sec. OFF 2 sec. 2 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 0.5 sec. JMHIA0950GB

DIAGNOSIS SYSTEM (AIR BAG)

CONSULT Function

А

В

INFOID:000000008449964

APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part num- ber is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
Self Diagnostic Result	 Self-diagnosis result is displayed. Refer to <u>SRC-162, "DTC Index"</u>. "No DTC" is displayed when repair is completed by part replacement or other operations. "SELF-DIAG RESULT [MEMORY]" is displayed until "Erase" is performed. CAUTION: When "No DTC" is displayed after repair, always perform "Erase". If this is not done SRS air bag warning lamp remains blinking when user mode is resumed.
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT screen.
SELF-DIAG RESULTS [CAN]	NOTE: This item is displayed, but cannot be supported.
Cause of Warning Lamp	It displays the cause of warning lamp illumination that is not recorded in memory.

CAUSE OF WARNING LAMP

This item indicates IGN low voltage condition.

The air bag warning lamp blink in user mode when the battery voltage is lowered to the voltage value (less than 9 V) at which the SRS cannot be operated normally. The air bag warning lamp turns OFF after the battery voltage returns to normal status after blinking.

In such a case, the DTC memory is not performed and changing to the self-diagnostic mode by IGN operation cannot be performed while the air bag warning lamp illuminates. "NO DTC" is displayed even if the malfunctioning parts are checked by CONSULT.

This function records the following items.

Display	contents of CONSULT	Description	K
	IGN VOLT COND	"LOW" is displayed when IGN low voltage is detected. If not, "OK" is displayed.	
Air bag	IGN VOLT TIME	Times of IGN low voltage is detected.	
	LOW V RECORED	Times of IGN ON after IGN low voltage is detected.	

Μ

SRC

J

DIAGNOSIS SYSTEM (OCCUPANT DETECTION SYSTEM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (OCCUPANT DETECTION SYSTEM)

CONSULT Function

INFOID:000000008449965

ZERO POINT RESET DESCRIPTION

This vehicle adopts occupant detection system with a weight detecting method. When replacing, or removing and installing passenger seat, always perform "zero point rest" so that the vehicle recognizes zero point. If zero point reset is incomplete, occupant detection sensor does not operate normally.

WORK SUPPORT

Monitor item	Description
Zero point reset function	Perform zero point reset. Refer to <u>SRC-8</u> , "ZERO POINT RE- <u>SET</u> : Special Repair Requirement".

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Description

INFOID:00000008449966 B

А

SRC

Κ

Ν

P

INFOID:00000008449968

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008449967

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1001 B1002 B1003 B1004	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F
B1005				G

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-17, "Diagnosis with Air Bag Warning Lamp".

NOTE:

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-25, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Chec	k the	harnes	ss conne	ctor.	
			14	10	

Is the inspection result normal?

YES >> GO TO 2. NO >> Replace h

NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

- Is the inspection result normal?
- YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-25. "Exploded View".

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

2. Perform DTC confirmation procedure. Refer to <u>SRC-25, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1. NO >> INSPECTION END

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008449970

INFOID:000000008449969

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
	NFIRMATION PRO		
(P) With C		_1	
1. Turn	ignition switch ON. rm "AIR BAG" Self-Di	agnostic Result.	
1. Turn	It CONSULT ignition switch ON. k the air bag warning	lamp status. Refer to <u>SRC-17, "Diagnosis</u>	s with Air Bag Warning Lamp".
	s not enter the diagno ctioning part detected	sis mode if no malfunction is detected in t	the user mode.
YES >		Diagnosis Procedure".	
-	sis Procedure		INFOID:00000008449971
or more • Never u	servicing, turn ignit e. (To discharge bac	er or other measuring device.	gative terminal, and wait 3 minutes
Check the	e harness connector.		
YES >	Dection result normal? > GO TO 2.		
~	> Replace harness c K WIRING HARNESS		
	wiring harness exter		
Is the insp YES > NO >	 > GO TO 3. > Replace wiring har 	ness.	
3.REPLA	ACE AIR BAG DIAGN	OSIS SENSOR UNIT	
1. Repla	ace air bag diagnosis	sensor unit. Refer to <u>SR-25, "Exploded V</u> procedure. Refer to <u>SRC-27, "DTC Logic</u>	

Is DTC detected?

А

С

D

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 1. NO >> INSPECTION END

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008449973

INFOID:000000008449972

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
DTC CO	NFIRMATION PRO	CEDURE	
1.снес	K SELF-DIAG RESUL	T	
With C Turn	ONSULT		
2. Perfo	rm "AIR BAG" Self Di	agnostic Result.	
1. Turn	ut CONSULT ignition switch ON. k the air bag warning	lamp status. Refer to <u>SRC-17, "Diagnosis</u>	s with Air Bag Warning Lamp".
-	s not enter the diagno	sis mode if no malfunction is detected in t	he user mode.
	ctioning part detected	—	
	>> Refer to <u>SRC-29, "</u> >> INSPECTION END	Diagnosis Procedure".	
	sis Procedure		INFOID:00000008449974
•			
	-	ion switch OFF, disconnect battery neg kup capacitor.)	gative terminal, and wait 3 minutes
• Never u	use unspecified teste	er or other measuring device.	
1.CHEC	K HARNESS CONNE	CTOR	
	e harness connector.		
	Dection result normal? > GO TO 2.		
VEC .	>> Replace harness c	onnectors.	
NO :	K WIRING HARNESS	3	
NO : 2.CHEC	K WIRING HARNESS wiring harness exter		
NO 2.CHEC Check the Is the insp	e wiring harness exter pection result normal?	nals.	
NO 2.CHEC Check the Is the insp YES 2	e wiring harness exter pection result normal? >> GO TO 3.	nals.	
NO 2.CHEC Check the Is the insp YES NO	e wiring harness exter <u>pection result normal?</u> >> GO TO 3. >> Replace wiring har	nals.	

2. Perform DTC confirmation procedure. Refer to <u>SRC-29, "DTC Logic"</u>

Is DTC detected?

SRC-29

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 1. NO >> INSPECTION END

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

Description

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Detection System, and transmits malfunction information to air bag diagnosis sensor unit.

DTC Logic

INFOID:000000008449976

INFOID:000000008449977

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	C
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Occupant Detection System control unit is malfunctioning	 Disconnection of wiring harness Malfunction in Occupant Detection System control unit Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result with CONSULT.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-31. "Diagnosis Procedure"</u>. NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${\it 3.}$ REPLACE OCCUPANT DETECTION SYSTEM CONTROL UNIT

1. Replace occupant detection system control unit. Refer to SR-28. "Removal and Installation".

Perform DTC confirmation procedure. Refer to <u>SRC-31, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

INFOID:00000008449975

А

SRC

Κ

L

M

Ν

 \cap

Ρ

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

4.REPLACE OCCUPANT DETECTION SYSTEM SEAT SENSOR

- Replace passenger seat cushion assembly. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-31, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 5.
- NO >> INSPECTION END

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Removal and Installation"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-31, "DTC Logic".

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1018 OCCUPANT SYSTEM SENSOR

Description

Occupant Detection System sensor detects occupant in passenger seat and transmits it to Occupant Detection System control unit.

DTC Logic

INFOID:000000008449979

INFOID:000000008449978

А

С

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Occupant Detection System sen- sor is malfunctioning	 Disconnection of wiring harness Malfunction in Occupant Detection System sensor Malfunction in Occupant Detection System control unit Malfunction in air bag diagnosis sensor unit
	CONFIRMATION PR		
Witl	h CONSULT rn ignition switch ON.		
2. Pe	erform "AIR BAG" Self	Diagnostic Result with CONS	SULT.
	hout CONSULT rn ignition switch ON.		
2. Ch	neck the air bag warni		17, "Diagnosis with Air Bag Warning Lamp".
NOTE: SRS d		nosis mode if no malfunction i	is detected in the user mode.
	unctioning part detect		
YES NO	>> Refer to <u>SRC-33</u> >> INSPECTION E	3, "Diagnosis Procedure".	
NO	>> INSPECTION E	ND	
	ania Dranadura		
	nosis Procedure		INFO/D:00000008449980
Diagr warn	ING:		
Diagr WARN • Befo	ING: re servicing, turn ig	nition switch OFF, disconne	INFOID:00000008449980
Diagr WARN • Befo or m	ING: re servicing, turn ig ore. (To discharge b	nition switch OFF, disconne	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN	ING: re servicing, turn ig ore. (To discharge b er use unspecified te	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE NECTOR	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check Is the i	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE NECTOR	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check Is the i YES	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm >> GO TO 2.	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE NECTOR mess connector.	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check Is the i YES NO	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm >> GO TO 2. >> Replace harnes	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE NECTOR mess connector. al? s connectors.	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check Is the i YES NO 2.CHI	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm >> GO TO 2.	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE NECTOR mess connector. al? s connectors.	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check NO 2.CHI Check	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm >> GO TO 2. >> Replace harnes ECK WIRING HARNE	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev RE NECTOR ness connector. al? s connectors. SS	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check Is the i YES NO 2.CHI Check Is the i YES	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm >> GO TO 2. >> Replace harnes ECK WIRING HARNE the wiring harness ex nspection result norm >> GO TO 3.	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev IRE NECTOR mess connector. al? s connectors. ESS aternals. al?	ect battery negative terminal, and wait 3 minutes
Diagr WARN • Befo or m • Neve DIAGN 1.CHI Check Is the i YES NO 2.CHI Check Is the i YES	ING: re servicing, turn ig ore. (To discharge b er use unspecified te NOSTIC PROCEDU ECK HARNESS CON the connection of har nspection result norm >> GO TO 2. >> Replace harnes ECK WIRING HARNE the wiring harness ex nspection result norm >> GO TO 3. >> Replace wiring I	nition switch OFF, disconne ackup capacitor.) ester or other measuring dev IRE NECTOR mess connector. al? s connectors. ESS aternals. al?	ect battery negative terminal, and wait 3 minutes

2. Perform DTC confirmation procedure. Refer to SRC-33, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1018 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

4.REPLACE OCCUPANT DETECTION SYSTEM SEAT SENSOR

- Replace passenger seat cushion assembly. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-33, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 5.
- NO >> INSPECTION END

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Removal and Installation"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-33, "DTC Logic".

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

B1022 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1022 OCCUPANT SYSTEM CONTROL UNIT

Description

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Detection System, and transmits malfunction information to air bag diagnosis sensor unit.

DTC Logic

INFOID:00000008449982

INFOID:000000008449981

А

С

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1022	OCCUPANT SENS C/U [COMM FAIL]	 Internal malfunction of Occupant Detection System control unit Malfunction of circuit between Occupant Detection System control unit and Air bag diagnosis sensor unit Malfunction of Air bag diagnosis sensor unit 	 Disconnection of wiring harness Malfunction in Occupant Detection System control unit Malfunction in air bag diagnosis sensor unit 	E
DTC CO	NFIRMATION PRO	CEDURE		
1. CHEC	K SELF-DIAG RESU	LT		(
 Turn Perfo 	CONSULT ignition switch ON. orm "AIR BAG" Self D ut CONSULT	iagnostic Result with CONSULT.		SI
1. Turn 2. Cheo	ignition switch ON.	lamp status. Refer to SRC-17, "Diag	gnosis with Air Bag Warning Lamp".	
<u>Is malfun</u> YES	ctioning part detected	"Diagnosis Procedure".	ed in the user mode.	,
-	sis Procedure		INFOID:00000008449983	ł
or mor	servicing, turn ignit e. (To discharge bac		y negative terminal, and wait 3 minutes	l
	STIC PROCEDUR	-		Ν
	K HARNESS CONNE			
Check the	e connection of harne	ss connector.		ľ
	pection result normal	?		
-	>> GO TO 2. >> Replace harness o	connectors		(
•	K WIRING HARNES			
Check the	e wiring harness exte	rnals.		F
	pection result normal			
	>> GO TO 3. >> Replace wiring ha	mess.		

3.REPLACE OCCUPANT DETECTION SYSTEM CONTROL UNIT

1. Replace occupant detection system control unit. Refer to SR-28, "Removal and Installation".

2. Perform DTC confirmation procedure. Refer to <u>SRC-35</u>, "DTC Logic".

SRC-35

B1022 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE OCCUPANT DETECTION SYSTEM SEAT SENSOR

1. Replace passenger seat cushion assembly. Refer to <u>SE-15, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-35, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Removal and Installation"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-35, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B1023 PASSENGER AIR BAG OFF INDICATOR

Description

Illuminates passenger air bag OFF indicator when the passenger seat is empty or occupied by a child or a child-seat.

DTC Logic

INFOID:000000008449985

INFOID:000000008449984

А

С

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Passenger air bag OFF indicator circuit is open or shorted to ground or the cir- cuits are shorted each other	 Disconnection of wiring harness Malfunction in passenger air bag OFF indicator Malfunction in air bag diagnosis sensor unit 	E
DTC C	ONFIRMATION PRO	DCEDURE		
1. CHE	CK SELF-DIAG RESU	JLT		F
1. Tur 2. Per	out CONSULT	Diagnostic Result with CONSULT.		G
	n ignition switch ON. eck the air bag warning	g lamp status. Refer to SRC-17. "	Diagnosis with Air Bag Warning Lamp".	SR
NOTE:	_			
	inctioning part detecte	"Diagnosis Procedure".	tected in the user mode.	I
_	osis Procedure		INFOID:00000008449986	J
or mo	e servicing, turn igni ore. (To discharge ba		attery negative terminal, and wait 3 minutes	K
	OSTIC PROCEDUR	-		L
	CK HARNESS CONN			
Check t	he connection of harn	ess connector.		M
<u>Is the in</u>	spection result norma	<u>l?</u>		
YES NO	>> GO TO 2. >> Replace harness	connectors		Ν
•	CK WIRING HARNES			
	he wiring harness exte			\cap
	spection result norma			0
YES NO	>> GO TO 3. >> Replace wiring ha			Ρ
3. CHE	CK PASSENGER AIR	BAG OFF INDICATOR		
2. Per		ng OFF indicator. Refer to <u>IP-12, "</u> n procedure. Refer to <u>SRC-37, "D</u>		

- YES >> GO TO 4.
- NO >> INSPECTION END

B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-37, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

Description

Occupant Detection System sensor detects occupant in passenger seat and transmits it to Occupant Detec-В tion System control unit.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1025 B1032 B1048	OCS SENSOR	 Internal malfunction of Occupant Detection System control unit Malfunction of circuit between Occupant Detection System control unit and Air bag diagnosis sensor unit Malfunction of Air bag diagnosis sensor unit 	 Disconnection of wiring harness Malfunction in Occupant Detection System control unit Malfunction in air bag diagnosis sensor unit 	E
DTC CON	NFIRMATION PROC	CEDURE		0
1. CHEC	K SELF-DIAG RESUL	Т		G
 Perfor Withou Turn i 	gnition switch ON. rm "AIR BAG" Self Dia t CONSULT gnition switch ON.	agnostic Result with CONSULT. lamp status. Refer to <u>SRC-17, "Diag</u> i		SR
NOTE:		sis mode if no malfunction is detected		
	tioning part detected			J
	Refer to <u>SRC-39.</u> INSPECTION END	Diagnosis Procedure".		
	sis Procedure		INFOID:00000008449989	K
or more	servicing, turn igniti . (To discharge bacl		r negative terminal, and wait 3 minutes	L
	STIC PROCEDURE	-		N
	K HARNESS CONNE			
Check the	connection of harnes	ss connector.		Ν
	ection result normal?			
-	 > GO TO 2. > Replace harness complete 	onnectors.		С
•	K WIRING HARNESS			
	wiring harness exter			F
•	ection result normal?			
	 > GO TO 3. > Replace wiring hard 	ness.		
3.REPLA	CE OCCUPANT DET	ECTION SYSTEM CONTROL UNIT		

1. Replace occupant detection system control unit. Refer to SR-28. "Removal and Installation".

Perform DTC confirmation procedure. Refer to SRC-39, "DTC Logic".

2.

SRC-39

А

С

INFOID:000000008449987

INEOID:000000008449988

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE OCCUPANT DETECTION SYSTEM SEAT SENSOR

1. Replace passenger seat cushion assembly. Refer to <u>SE-15, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-39, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Removal and Installation"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-39, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008449991

INFOID:000000008449990

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

 With CONSULT Turn ignition switch ON. 	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT	
1. Turn ignition switch ON.	1
2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE:	J
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-41. "Diagnosis Procedure"</u> .	К
NO >> INSPECTION END	
Diagnosis Procedure	
	L
 WARNING: Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.) Never use unspecified tester or other measuring device. 	Μ
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2. CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
 Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-41, "DTC Logic"</u>. 	

SRC-41

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1033, B1034 CRASH ZONE SENSOR

Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000008449994

INFOID:000000008449993

А

С

DTC DETECTION LOGIC

DTC Display contents of CONSULT DTC detecting condition Possible cause	D
B1033 B1034CRASH ZONE SENSOR [UNIT FAIL]Crash zone sensor is malfunctioning• Disconnection of wiring harnes • Malfunction in crash zone sensor • Malfunction in air bag diagnosi	sor E
DTC CONFIRMATION PROCEDURE	
1.CHECK SELF-DIAG RESULT	F
 With CONSULT Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. Without CONSULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning I</u> 	.amp". SF
NOTE:	<u> </u>
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected?	1
YES >> Refer to <u>SRC-43, "Diagnosis Procedure"</u> .	
NO >> INSPECTION END	J
Diagnosis Procedure	INFOID:000000008449995
 WARNING: Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and w or more. (To discharge backup capacitor.) Never use unspecified tester or other measuring device. 	ait 3 minutes
1.CHECK HARNESS CONNECTOR	
Check the harness connector. Is the inspection result normal?	
YES >> GO TO 2.	N
NO >> Replace harness connectors.	
2.CHECK WIRING HARNESS	N
Check the wiring harness externals. <u>Is the inspection result normal?</u>	
YES >> GO TO 3.	C
NO >> Replace wiring harness.	
3.REPLACE CRASH ZONE SENSOR	P
 Replace crash zone sensor. Refer to <u>SR-21, "Exploded View"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-43, "DTC Logic"</u>. <u>Is DTC detected?</u> 	
YES >> GO TO 4.	
NO >> INSPECTION END	

B1033, B1034 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-43, "DTC Logic".

- YES >> GO TO 1.
- NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1035 CRASH ZONE SENSOR

Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000008449997

INFOID:000000008449996

А

С

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1035	CRASH ZONE SEN- SOR [COMM FAIL]	Crash zone sensor is malfunctioning	 Disconnection of wiring harness Malfunction in crash zone sensor Malfunction in air bag diagnosis sensor unit 	E
DTC CC	ONFIRMATION PRO	CEDURE		
1. CHE	CK SELF-DIAG RESL	ILT		F
 Turr Perf Without Turr 	CONSULT n ignition switch ON. form "AIR BAG" Self E out CONSULT n ignition switch ON. eck the air bag warning	Diagnostic Result. g lamp status. Refer to <u>SRC-17, "Diagno</u>	sis with Air Bag Warning Lamp".	G
NOTE:		osis mode if no malfunction is detected in		
	nctioning part detected		The user mode.	
YES	>> Refer to <u>SRC-45,</u>	"Diagnosis Procedure".		
NO	>> INSPECTION EN	D		J
Diagno	osis Procedure		INFOID:00000008449998	Ŭ
or mo	e servicing, turn igni re. (To discharge bac	tion switch OFF, disconnect battery n ckup capacitor.) ter or other measuring device.	egative terminal, and wait 3 minutes	K
	CK HARNESS CONN	•		L
Check th	he harness connector.			
	spection result normal	<u>?</u>		M
YES NO	>> GO TO 2. >> Replace harness	connectors		
~	CK WIRING HARNES			Ν
	he wiring harness exte			
	spection result normal			0
YES NO	>> GO TO 3. >> Replace wiring ha	rnoce		0
-	LACE CRASH ZONE			
		or. Refer to <u>SR-21, "Exploded View"</u> .		Ρ
2. Per	form DTC confirmation	procedure. Refer to <u>SRC-45, "DTC Loc</u>	ic".	
	detected?			
YES NO	>> GO TO 4. >> INSPECTION EN	D		
1				

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1035 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Logic".

- YES >> GO TO 1.
- NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1036 CRASH ZONE SENSOR

Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000008450000

INFOID:000000008449999

А

С

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1036	CRASH ZONE SEN- SOR [UNMATCH]	Crash zone sensor is out of the speci- fied specification	Diagnosis sensor unit or crash zone sensor is differ- ent from the part specified
DTC CO	NFIRMATION PRO	CEDURE	
1. CHEC	K SELF-DIAG RESU	_T	
 Turn Perfo Witho 	CONSULT ignition switch ON. orm "AIR BAG" Self Di ut CONSULT ignition switch ON.	agnostic Result.	
2. Chec		lamp status. Refer to SRC-17, "D	iagnosis with Air Bag Warning Lamp".
NOTE: SRS doe	s not enter the diagno	sis mode if no malfunction is dete	cted in the user mode.
<u>Is malfun</u>	ctioning part detected		
	>> INSPECTION END		
Diagno	sis Procedure		INFOID:00000008450001
or mor • Never	e. (To discharge bac	kup capacitor.) er or other measuring device.	tery negative terminal, and wait 3 minutes
	e harness connector.		
<u>Is the ins</u>	pection result normal?	-	
	>> GO TO 2. >> Replace harness c	opportoro	
NO		OTTRUTTS	
-	•		
2. CHEC	K WIRING HARNESS	3	
2.CHEC	•	S mals.	
2.CHEC Check the Is the ins YES	K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3.	S mals. 2	
2.CHEC Check the Is the ins YES NO	K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3. >> Replace wiring har	S mals. 2 ness.	
2.CHEC Check the Is the ins YES NO	K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3.	S mals. 2 ness.	
2.CHEC Check the Is the ins YES NO 3.REPL 1. Repl	K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3. >> Replace wiring har ACE CRASH ZONE S ace crash zone senso	S mals. 2 ness.	
2.CHEC Check the Is the ins YES NO 3.REPL 1. Repl 2. Performed Is DTC d	K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3. >> Replace wiring har ACE CRASH ZONE S ace crash zone senso orm DTC confirmation	S nals. 2 ness. SENSOR r. Refer to <u>SR-21, "Exploded Viev</u>	

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1036 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-47, "DTC Logic".

- YES >> GO TO 1.
- NO >> INSPECTION END

B1037, B1039, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1037, B1039, B1041 CRASH ZONE SENSOR

Description

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000008450003

INFOID:000000008450004

INFOID:00000008450002

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	 Disconnection of wiring harness Malfunction in crash zone sensor Malfunction in air bag diagnosis sensor unit 	Е

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

YES	>> Refer to <u>SRC-49, "Diagnosis Procedure"</u> .

NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to <u>SR-21, "Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-49, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

А

F

SRC

M

Ν

B1037, B1039, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-49, "DTC Logic".

- YES >> GO TO 1.
- NO >> INSPECTION END

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450006

INFOID:000000008450005

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

	SRC
 Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 	
Without CONSULT	1
1. Turn ignition switch ON.	I
2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE:	J
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	0
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-51, "Diagnosis Procedure"</u> . NO >> INSPECTION END	Κ
Diagnosis Procedure	
	L
WARNING:	
 Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.) 	
 Never use unspecified tester or other measuring device. 	M
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2. CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> .	

2. Perform DTC confirmation procedure. Refer to SRC-51, "DTC Logic".

SRC-51

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1049, B1054 DRIVER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450009

INFOID:00000008450008

А

L

M

Ν

Ρ

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	 Disconnection of wiring harness and open Malfunction in driver air bag module Malfunction in spiral cable Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

	With	CONSULT
U	VVILII	CONCOLL

- 1. Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 2. SRC 🕅 Without CONSULT 1. Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. 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-53, "Diagnosis Procedure". >> INSPECTION END NO Diagnosis Procedure INFOID:000000008450010 Κ
- WARNING:
 Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)
 Never use unspecified tester or other measuring device.
- 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.

3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M350	10	1M32	28	
10350	11		30	Existed
M351	12		29	Existed
101351	9		30	*

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

Driver side a	air bag module		Continuity
Connector	Terminal		Continuity
M350	10	Ground	
MISSU	11	- Ground	Not existed
M351	12		NUL EXISTED
NICO I	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-10, "Exploded View"</u>.

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-53. "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-10, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-53, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1050, B1055 DRIVER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450012 (

INFOID:000000008450011

А

Ν

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	 Disconnection of wiring harness and short Malfunction in driver air bag module Malfunction in spiral cable Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 2. SRC 🕅 Without CONSULT Turn ignition switch ON. 1. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. 2. 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-55, "Diagnosis Procedure". NO >> INSPECTION END Diagnosis Procedure INFOID:000000008450013 Κ WARNING: Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.) L Never use unspecified tester or other measuring device. **1.**CHECK HARNESS CONNECTOR M Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.

3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

SRC-55

B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M350	10	M32	28	
101350	11		30	Existed
M351	12		29	Existed
	9		30	*

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

Driver side a	ir bag module		Continuity
Connector	Terminal	Continuity	Continuity
M350	10	Ground	
IVISOU	11	- Ground	Not existed
M351	12		NOI EXISIED
I CCIVI	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-10, "Exploded View"</u>.

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-55, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 5.
- NO >> INSPECTION END

5.REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to <u>SR-10, "Exploded View"</u>
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-55, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1051, B1056 DRIVER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450015

INFOID:00000008450014

А

SRC

Κ

L

M

Ν

Ρ

DTC DETECTION LOGIC

C	TC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B10 B10	-	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	 Disconnection of wiring harness and short Malfunction in driver air bag module Malfunction in spiral cable Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
 Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>.
 NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-57, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

SRC-57

INFOID:00000008450016

B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M350	10 10	28		
10350	11	- M32	30	Existed
M351	12		29	Existed
	9		30	+

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

Driver side a	air bag module		Continuity
Connector	Terminal		Continuity
M350	10	Ground	
MISSU	11	- Ground	Not existed
M351	12		NUL EXISTED
NICO I	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-10, "Exploded View"</u>.

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-57. "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-10, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-57, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

B1052, B1057 DRIVER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450018

INFOID:000000008450017

А

SRC

Κ

L

M

Ν

Ρ

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	 Disconnection of wiring harness and short Malfunction in driver air bag module Malfunction in spiral cable Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
 Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>.
 NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-59, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

SRC-59

INFOID:000000008450019

B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M350	10	11 M32	28	
10350	11		30	Existed
M351	12		29	Existed
10001	9		30	*

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

Driver side a	air bag module		Continuity
Connector	Terminal	Continuity	Continuity
M350	10	Ground	
WI300	11	- Ground	Not existed
M351	12		NOT EXISTED
I CCIVI	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-10, "Exploded View"</u>.

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-59, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 5.
- NO >> INSPECTION END

5.REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to <u>SR-10, "Exploded View"</u>
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-59, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450021

INFOID:000000008450020

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

I CHECK SELF-DIAG RESULI	
 With CONSULT Turn ignition switch ON. 	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
🛞 Without CONSULT	
1. Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-61, "Diagnosis Procedure"</u> .	
NO >> INSPECTION END	Κ
Diagnosis Procedure	
	I
WARNING:	
• Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes	
or more. (To discharge backup capacitor.)	Μ
Never use unspecified tester or other measuring device.	
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	Γ
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> .	

Perform DTC confirmation procedure. Refer to <u>SRC-61. "DTC Logic"</u>.

SRC-61

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1065, B1070 PASSENGER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450024

INFOID:000000008450023

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	 Disconnection of wiring harness and open Malfunction in passenger air bag module Malfunction in air bag diagnosis sensor unit 	
DTC CON	FIRMATION PROC	EDURE		
1.СНЕСК	SELF-DIAG RESUL	Г		
2. Perfor	gnition switch ON. m "AIR BAG" Self Dia	gnostic Result.		
1. Turn iq	CONSULT gnition switch ON. the air bag warning li	amp status. Refer to <u>SRC-17, "Diagr</u>	s posis with Air Bag Warning Lamp"	
NOTE:				
	-	is mode if no malfunction is detected	d in the user mode.	
	<u>tioning part detected?</u> > Refer to <u>SRC-63, "D</u>			
	> INSPECTION END	Jagnosis i locedure.		
Diagnos	is Procedure		INF0ID:00000008450025	
-				
• Before s		on switch OFF. disconnect battery	y negative terminal, and wait at least 3	
minutes	or more. (To discha	rge backup capacitor.)		
	Ke unspecified tester	r or other measuring device.		
		JIOR		
	harness connector. ection result normal?			
-	> GO TO 2.			
	Replace harness co	nnector.		
2. CHECK	WIRING HARNESS			
Check the	wiring harness extern	als.	_	
Is the insp	ection result normal?			
	> GO TO 3.			
•	NO >> Replace wiring harness. 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT			
2. Perfor	m DTC confirmation p	ensor unit. Refer to <u>SR-25, "Explode</u> procedure. Refer to <u>SRC-63, "DTC L</u>		
Is DTC det				
YES >	> GO TO 4.			

NO >> INSPECTION END

А

B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-16. "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-63. "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1066, B1071 PASSENGER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450027 (

INFOID:00000008450028

INFOID:00000008450026

А

F

SRC

Κ

L

M

Ν

DTC DETECTION LOGIC

				D
DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause	
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in passenger air bag module Malfunction in air bag diagnosis sensor unit 	Е

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

() With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-65, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

WARNING:	
----------	--

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25. "Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-65, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-16. "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-65. "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1067, B1072 PASSENGER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited В by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450030 С

INFOID:000000008450029

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in passenger air bag module Malfunction in air bag diagnosis sensor unit
отс со	NFIRMATION PRO	CEDURE	
1.снес	K SELF-DIAG RESUL	T	
With C	ONSULT		
1. Turn	ignition switch ON.		
	orm "AIR BAG" Self Dia ut CONSULT	agnostic Result.	
9	ignition switch ON.		
 Chec NOTE: 	k the air bag warning	lamp status. Refer to <u>SRC-17, "D</u>	Diagnosis with Air Bag Warning Lamp".
-	s not enter the diagnos	sis mode if no malfunction is dete	ected in the user mode.
	ctioning part detected?		
	>> Refer to <u>SRC-67, "</u> >> INSPECTION END	Diagnosis Procedure".	
Diagnos	sis Procedure		INFOID:00000008450031
WARNIN	G:		
			ttery negative terminal, and wait at least 3
		arge backup capacitor.) er or other measuring device.	
	K HARNESS CONNE	•	
Check the	e harness connector.		
	pection result normal?		
-	>> GO TO 2.		
•	>> Replace harness co		
	K WIRING HARNESS		
	e wiring harness exter		
	pection result normal?		
	>> GO TO 3. >> Replace wiring harı	ness.	
-	ACE AIR BAG DIAGN		
		sensor unit. Refer to <u>SR-25, "Exp</u>	bloded View".
		procedure. Refer to <u>SRC-67, "DT</u>	
<u>Is DTC de</u>			
YES >	>> GO TO 4.		

NO >> INSPECTION END А

D

B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-16. "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-67. "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1068, B1073 PASSENGER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450033

INFOID:000000008450032

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in passenger air bag module Malfunction in air bag diagnosis sensor unit 	
DTC CON	IFIRMATION PROCE	DURE		
1. CHECK	SELF-DIAG RESULT			
 Perfor Without Turn ig Check NOTE: 	gnition switch ON. m "AIR BAG" Self Diag t CONSULT gnition switch ON. the air bag warning lat	np status. Refer to <u>SRC-17. "Diagn</u>		
	-	mode if no malfunction is detected	in the user mode.	
YES >:	<u>tioning part detected?</u> > Refer to <u>SRC-69, "Di</u> > INSPECTION END	agnosis Procedure".		
Diagnos	is Procedure		INFOID:00000008450034	
minutes	ervicing, turn ignition or more. (To dischar	ge backup capacitor.)	negative terminal, and wait at least 3	
		or other measuring device.		
1 .CHECK	HARNESS CONNEC	TOR		
	harness connector.			
-	ection result normal? > GO TO 2.			
-	> Replace harness con	nector.		
-	WIRING HARNESS			
Check the	wiring harness externa	ls.		
Is the insp	ection result normal?			
	> GO TO 3.			
•	NO >> Replace wiring harness. 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT			
2. Perfor	m DTC confirmation pr	nsor unit. Refer to <u>SR-25, "Explode</u> ocedure. Refer to <u>SRC-69, "DTC Lo</u>		
Is DTC det				
YES >:	> GO TO 4.			

>> INSPECTION END

NO

B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE PASSENGER AIR BAG MODULE

Replace passenger air bag module. Refer to <u>SR-16. "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-69. "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450036

INFOID:000000008450035

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

CHECK SELI-DIAG RESOLI	
 With CONSULT Turn ignition switch ON. 	SRC
 Perform "AIR BAG" Self Diagnostic Result. 	
Without CONSULT	
1. Turn ignition switch ON.	I
2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE:	1
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-71, "Diagnosis Procedure"</u> .	К
NO >> INSPECTION END	
Diagnosis Procedure	
WARNING:	L
 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. CHECK HARNESS CONNECTOR 	Μ
Check the harness connector.	N
Is the inspection result normal?	IN
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2. CHECK WIRING HARNESS	0
Check the wiring harness externals.	Ρ
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> .	

2. Perform DTC confirmation procedure. Refer to SRC-71, "DTC Logic".

SRC-71

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1080, B1096 DRIVER AIR BAG MODULE

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450039

INFOID:00000008450040

Κ

L

M

Ν

INFOID:00000008450038

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	 Disconnection of wiring harness and short Malfunction in driver air bag module Malfunction in spiral cable Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 2. SRC 🕅 Without CONSULT Turn ignition switch ON. 1. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. 2. 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-73, "Diagnosis Procedure". NO >> INSPECTION END

NO >> INSPECTION EN

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- 3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air l	Driver air bag module		Combination switch (spiral cable)	
Connector	Terminal	Connector	Terminal	Continuity
M350	10		28	
10350	11	M32	30	Existed
M351	12		29	Existed
101351	9		30	*

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

Driver side a	air bag module		Continuity	
Connector	Terminal		Continuity	
M350	10	- Ground		
MISSU	11		Not existed	
M351	12		NUL EXISTED	
NICO I	9			

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>MWI-90, "Exploded View"</u>.

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-73. "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to <u>SR-10, "Exploded View"</u>

2. Perform DTC confirmation procedure. Refer to <u>SRC-73, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1081 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1081 SEAT BELT PRE-TENSIONER RH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:00000008450042

INFOID:000000008450041

А

D

DTC DETECTION LOGIC

DTC	Display contents of	DTC detecting condition	Possible cause
B1081	CONSULT PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	 Disconnection of wiring harness and open Malfunction in seat belt pre-tensioner RH Malfunction in air bag diagnosis sensor unit
	CK SELF-DIAG RESUL		
	CONSULT	-1	
1. Turn	ignition switch ON.		
	orm "AIR BAG" Self Di out CONSULT	agnostic Result.	-
	ignition switch ON.		
2. Cheo NOTE:	ck the air bag warning	lamp status. Refer to <u>SRC-17, "Diagn</u>	osis with Air Bag Warning Lamp".
-	es not enter the diagno	sis mode if no malfunction is detected	in the user mode.
	nctioning part detected		
	>> Refer to <u>SRC-75, "</u> >> INSPECTION END		
-	sis Procedure		
Diagno			INFOID:00000008450043
WARNIN			
		ion switch OFF, disconnect battery arge backup capacitor.)	negative terminal, and wait at least 3
• Never	use unspecified teste	er or other measuring device.	
1. CHEC	CK HARNESS CONNE	CTOR	
	e harness connector.		
	spection result normal? >> GO TO 2.		
-	>> Replace harness c	onnector.	
2.снес	CK WIRING HARNESS	6	
Check th	e wiring harness exter	nals.	
	spection result normal?		
	>> GO TO 3. >> Replace wiring har	2000	
~	ACE SEAT BELT PRE		
			RETRACTOR : Exploded View"
		oner RH. Refer to <u>SB-6, "SEAT BELT</u> procedure. Refer to <u>SRC-75, "DTC Lc</u>	
<u>ls DTC d</u>	letected?		
YES	>> GO TO 4.		

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-75, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1082 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1082 SEAT BELT PRE-TENSIONER RH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:00000008450045 (

INFOID:00000008450046

INFOID:000000008450044

А

F

SRC

Κ

L

Μ

Ν

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in seat belt pre-tensioner RH Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

() With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-77, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to <u>SB-6. "SEAT BELT RETRACTOR : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-77, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-77, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1083 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1083 SEAT BELT PRE-TENSIONER RH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:000000008450048 (

INFOID:00000008450049

INFOID:000000008450047

А

F

SRC

Κ

L

Μ

Ν

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in seat belt pre-tensioner RH Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17. "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-79, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace harness connector.
- 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to <u>SB-6. "SEAT BELT RETRACTOR : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-79, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-79, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1084 SEAT BELT PRE-TENSIONER RH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:000000008450051 (

INFOID:00000008450052

INFOID:000000008450050

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause		
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in seat belt pre-tensioner RH Malfunction in air bag diagnosis sensor unit 	E	
DTC CONFIRMATION PROCEDURE 1.CHECK SELF-DIAG RESULT					

() With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>.
 NOTE:

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-81, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

- 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.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to <u>SB-6. "SEAT BELT RETRACTOR : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-81, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC

Κ

L

Μ

Ν

А

D

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-81, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1086 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1086 SEAT BELT PRE-TENSIONER LH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:00000008450054

INFOID:000000008450053

А

DTC DETECTION LOGIC

	_			D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	 Disconnection of wiring harness and open Malfunction in seat belt pre-tensioner LH Malfunction in air bag diagnosis sensor unit 	Ε
DTC CC	NFIRMATION PRO	CEDURE		F
1. CHEC	CK SELF-DIAG RESU	LT		
 Turn Perfe Witho Turn 	CONSULT i ignition switch ON. orm "AIR BAG" Self D out CONSULT i ignition switch ON. ck the air bag warning	agnostic Result. lamp status. Refer to <u>SRC-17. "Diag</u>		G SR
NOTE:	ck the all bag warning	Tamp status. Refer to <u>SRC-17, Diag</u>	nosis with Air Day Wathing Lamp.	
	•	sis mode if no malfunction is detecte	d in the user mode.	
YES	nctioning part detected >> Refer to <u>SRC-83, '</u> >> INSPECTION END	Diagnosis Procedure".		J
	sis Procedure		INF01D:00000008450055	
U				K
• Never	e servicing, turn ignit es or more. (To disch	arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3	L
	e harness connector.			вл
	spection result normal	2		Μ
	>> GO TO 2.			
~	>> Replace harness of			Ν
	CK WIRING HARNES	3		
	e wiring harness exter			0
	spection result normal' >> GO TO 3.	2		
-	>> GO TO 3. >> Replace wiring hai	ness.		
-	ACE SEAT BELT PRE			Ρ
1. Rep 2. Perf	lace seat belt pre-tens orm DTC confirmation	ioner LH. Refer to <u>SB-6, "SEAT BEL</u>] procedure. Refer to <u>SRC-83, "DTC L</u>	RETRACTOR : Exploded View".	
	<u>letected?</u> >> GO TO 4.			

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-83, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1087 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1087 SEAT BELT PRE-TENSIONER LH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:000000008450057

INFOID:00000008450058

INFOID:00000008450056

А

F

SRC

Κ

L

Μ

Ν

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	_
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in seat belt pre-tensioner LH Malfunction in air bag diagnosis sensor unit 	E

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

() With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-85, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

\ \ /	Λ.		N I		5	
VV.	А	ĸ	IN	IN	163	2 ×

- 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.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace harness connector.
- 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to <u>SB-6, "SEAT BELT RETRACTOR : Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-85, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-85, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1088 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1088 SEAT BELT PRE-TENSIONER LH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:000000008450060

INFOID:00000000845006

INFOID:000000008450059

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause		
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in seat belt pre-tensioner LH Malfunction in air bag diagnosis sensor unit 	Е	
DTC CONFIRMATION PROCEDURE 1. CHECK SELF-DIAG RESULT					

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**
- SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-87, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

- 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.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Replace harness connector.
- 2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to <u>SB-6, "SEAT BELT RETRACTOR : Exploded View"</u>.

Perform DTC confirmation procedure. Refer to <u>SRC-87, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC

Κ

L

Μ

Ν

А

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-87, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1089 SEAT BELT PRE-TENSIONER LH

Description

In the case of a frontal collision that is more than the specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

DTC Logic

INFOID:000000008450063

INFOID:000000008450062

А

DTC DETECTION LOGIC

	_		
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in seat belt pre-tensioner LH Malfunction in air bag diagnosis sensor unit
тс со	NFIRMATION PRC	CEDURE	
.CHEC	K SELF-DIAG RESU	LT	
	ONSULT		
	ignition switch ON. rrm "AIR BAG" Self D	iagnostic Result.	
🔊 Withou	ut CONSULT		
	ignition switch ON.	lamp status Refer to SRC-17 "D	Diagnosis with Air Bag Warning Lamp".
IOTE:			
	-	osis mode if no malfunction is dete	ected in the user mode.
	ctioning part detected	<u>"Diagnosis Procedure"</u> .	
	>> INSPECTION EN		
Diagno	sis Procedure		INFOID:00000008450064
VARNIN			
minute Never נ	s or more. (To disch	harge backup capacitor.) Her or other measuring device.	ttery negative terminal, and wait at least 3
	e harness connector.		
	pection result normal	?	
	>> GO TO 2.		
	>> Replace harness (K WIRING HARNES		
		-	
	e wiring harness exte pection result normal		
	>> GO TO 3.	<u>.</u>	
NO :	>> Replace wiring ha		
3. REPL/	ACE SEAT BELT PR	E-TENSIONER	
			ELT RETRACTOR : Exploded View".
		procedure. Refer to <u>SRC-89, "DT</u>	<u>C Logic"</u> .
<u>s DTC de</u> YES :	<u>etected?</u> >> GO TO 4.		
V H 🖌 🦾			

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-89, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450066

INFOID:000000008450065

А

С

D

G

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1090 B1091 B1092 B1093 B0194 B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

	SRC
 Turn ignition switch ON. Perform "AIR BAG" Self Diagnostic Result. 	<u>.</u>
Without CONSULT	1
1. Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE:	1
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-91, "Diagnosis Procedure"</u> .	К
NO >> INSPECTION END	1.
Diagnosis Procedure	
	L
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.	M
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	1
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> .	
2. Perform DTC confirmation procedure. Refer to <u>SRC-91, "DTC Logic"</u> .	

Revision: 2012 August

SRC-91

B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450069

INFOID:000000008450068

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

I .CHECK SELF-DIAG RESULI	
 With CONSULT Turn ignition switch ON. 	SRC
 Perform "AIR BAG" Self Diagnostic Result. Without CONSULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. 	I
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected?	J
YES >> Refer to <u>SRC-93. "Diagnosis Procedure"</u> . NO >> INSPECTION END	К
Diagnosis Procedure	
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. 	Μ
1.CHECK HARNESS CONNECTOR	
Check the harness connector. <u>Is the inspection result normal?</u> YES >> GO TO 2.	Ν
NO >> Replace harness connectors.	0
2. CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	Г
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> .	

2. Perform DTC confirmation procedure. Refer to SRC-93, "DTC Logic".

SRC-93

0

А

С

D

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1113, B1114 SATELLITE SENSOR RH

Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

DTC Logic

INFOID:000000008450072

INFOID:000000008450071

А

DTC DETECTION LOGIC

DTC	Display contents of	DTC detecting condition	Possible cause
ыс	CONSULT		
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	 Disconnection of wiring harness Malfunction in satellite sensor RH Malfunction in air bag diagnosis sensor unit
DTC CON	FIRMATION PROC	EDURE	
1. CHECK	SELF-DIAG RESUL	Г	
2. Perfor Withou 1. Turn ig	gnition switch ON. m "AIR BAG" Self Dia t CONSULT gnition switch ON.	ignostic Result. amp status. Refer to <u>SRC-17, "Diac</u>	nosis with Air Bag Warning Lamp".
NOTE:			
	tioning part detected?	is mode if no malfunction is detecte	
	Refer to <u>SRC-95, "E</u>		
	> INSPECTION END	-	
Diagnos Warning	is Procedure		INFOID:0000000845007:
• Before s minutes	ervicing, turn ignitio or more. (To discha se unspecified teste	rge backup capacitor.) r or other measuring device.	INFOID:0000000845007
WARNING • Before s minutes • Never u 1.CHECH	e: Servicing, turn ignition or more. (To discha se unspecified tester (HARNESS CONNEC	rge backup capacitor.) r or other measuring device.	
WARNING • Before s minutes • Never u 1.CHECK Check the	ervicing, turn ignitio or more. (To discha se unspecified teste	rge backup capacitor.) r or other measuring device.	
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES >	ervicing, turn ignition or more. (To dischange unspecified tester CHARNESS CONNECT harness connector. ection result normal? > GO TO 2.	rge backup capacitor.) r or other measuring device. CTOR	
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES > NO >	ervicing, turn ignition or more. (To discha se unspecified tester (HARNESS CONNEC) harness connector. ection result normal? > GO TO 2. > Replace harness co	rge backup capacitor.) r or other measuring device. CTOR	
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES > NO >	ervicing, turn ignition or more. (To dischange unspecified tester CHARNESS CONNECT harness connector. ection result normal? > GO TO 2.	rge backup capacitor.) r or other measuring device. CTOR	
WARNING • Before s minutes • Never us 1.CHECK Check the Is the insp YES > NO > 2.CHECK Check the	Servicing, turn ignition or more. (To dischar se unspecified tester (HARNESS CONNECT harness connector. ection result normal? > GO TO 2. > Replace harness co (WIRING HARNESS wiring harness extern	rge backup capacitor.) r or other measuring device. CTOR	
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES > NO > 2.CHECH Check the Is the insp	a: servicing, turn ignition or more. (To dischange se unspecified tester (HARNESS CONNECT harness connector. ection result normal? > GO TO 2. > Replace harness con (WIRING HARNESS wiring harness extern ection result normal?	rge backup capacitor.) r or other measuring device. CTOR	
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES > 2.CHECH Check the Is the insp YES >	a: Servicing, turn ignition or more. (To dischar se unspecified tester (HARNESS CONNEC harness connector. ection result normal? > GO TO 2. > Replace harness co (WIRING HARNESS wiring harness extern ection result normal? > GO TO 3.	rge backup capacitor.) r or other measuring device. CTOR onnector.	
WARNING • Before s minutes • Never us 1.CHECH Check the Is the insp YES > NO > 2.CHECH Check the Is the insp YES > NO >	servicing, turn ignition or more. (To dischar se unspecified tester (HARNESS CONNECT harness connector. ection result normal? > GO TO 2. > Replace harness con (WIRING HARNESS wiring harness extern ection result normal? > GO TO 3. > Replace wiring harness	rge backup capacitor.) r or other measuring device. CTOR	
WARNING • Before s minutes • Never us 1.CHECH Check the Is the insp YES > NO > 2.CHECH Check the Is the insp YES > NO > 3.REPLA	i: servicing, turn ignition or more. (To dischange se unspecified tester (HARNESS CONNECT harness connector. ection result normal? > GO TO 2. > Replace harness contector. (WIRING HARNESS wiring harness externation ection result normal? > GO TO 3. > Replace wiring harness > CE SATELLITE SENS	rge backup capacitor.) r or other measuring device. CTOR onnector. nals.	ry negative terminal, and wait at least 3
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES > NO > 2.CHECH Check the Is the insp YES > NO > 3.REPLA 1. Repla	servicing, turn ignition or more. (To dischar se unspecified tester (HARNESS CONNECT harness connector. ection result normal? > GO TO 2. > Replace harness con (WIRING HARNESS wiring harness extern ection result normal? > GO TO 3. > Replace wiring harn CE SATELLITE SENS ce satellite sensor RH	rge backup capacitor.) r or other measuring device. CTOR onnector. nals. ess. SOR	ry negative terminal, and wait at least 3
WARNING • Before s minutes • Never u 1.CHECH Check the Is the insp YES > NO > 2.CHECH Check the Is the insp YES > NO > 3.REPLA 1. Repla	ection result normal? Servicing, turn ignition or more. (To dischar se unspecified tester (HARNESS CONNEC harness connector. ection result normal? > GO TO 2. > Replace harness co (WIRING HARNESS wiring harness extern ection result normal? > GO TO 3. > Replace wiring harn CE SATELLITE SENS ce satellite sensor RH m DTC confirmation p	rge backup capacitor.) r or other measuring device. CTOR onnector. nals.	ry negative terminal, and wait at least 3

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25</u>, "<u>Exploded View</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-95</u>, "<u>DTC Logic</u>".

- YES >> GO TO 1.
- NO >> INSPECTION END

B1115 SATELLITE SENSOR RH

Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

DTC Logic

INFOID:000000008450075

INFOID:000000008450074

А

DTC DETECTION LOGIC

				D
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1115	SATELLITE SENS RH [COMM FAIL]	Satellite sensor RH is malfunctioning	 Disconnection of wiring harness Malfunction in satellite sensor RH Malfunction in air bag diagnosis sensor unit 	E
отс со	NFIRMATION PRO	CEDURE		F
1. CHEC	K SELF-DIAG RESU	LT		
1. Turn 2. Perfo	CONSULT ignition switch ON. prm "AIR BAG" Self Di	agnostic Result.		(
1. Turn 2. Cheo	ut CONSULT ignition switch ON. ck the air bag warning	lamp status. Refer to SRC-17, "Dia	ignosis with Air Bag Warning Lamp".	S
NOTE: SRS doe	s not enter the diagno	sis mode if no malfunction is detec	ted in the user mode.	
YES	<u>ctioning part detected</u> >> Refer to <u>SRC-97, '</u> >> INSPECTION ENE	<u>'Diagnosis Procedure"</u> .		
Diagno	sis Procedure		INFOID:00000008450076	
Ū				ŀ
WARNINBefore		ion switch OFF. disconnect batt	ery negative terminal, and wait at least 3	
minute	s or more. (To disch	arge backup capacitor.)		
	use unspecified test	er or other measuring device.		l
		CTOR		
	e harness connector. pection result normal?)		Ν
	>> GO TO 2.	-		
-	>> Replace harness o			Ν
2.снес	K WIRING HARNES	3		
Check th	e wiring harness exter	nals.		
<u>Is the ins</u>	pection result normal?	2		(
	>> GO TO 3.			
-	>> Replace wiring har			
J. REPL	ACE SATELLITE SEN	ISOR		
		H. Refer to <u>SR-23, "Exploded View</u> procedure. Refer to <u>SRC-97, "DTC</u>		
<u>ls DTC d</u>	etected?			
YES	>> GO TO 4.			

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-97, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1116 SATELLITE SENSOR RH

Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

DTC Logic

INFOID:000000008450078

INFOID:000000008450077

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1116	SATELLITE SENS RH [UNMATCH]	Satellite sensor RH is out of the specified specification	Diagnosis sensor unit or crash zone sensor is dif- ferent from the part specified
DTC CO	NFIRMATION PRO	CEDURE	
	K SELF-DIAG RESU		
(P) With C			
1. Turn	ignition switch ON.		
	rm "AIR BAG" Self Di	agnostic Result.	
	It CONSULT		
2. Chec		lamp status. Refer to SRC-17, "Diag	nosis with Air Bag Warning Lamp".
NOTE: SRS does	s not enter the diagno	sis mode if no malfunction is detecte	d in the user mode.
	ctioning part detected		
	>> Refer to <u>SRC-99, "</u>	Diagnosis Procedure".	
-	>> INSPECTION END)	
Diagnos	sis Procedure		INFOID:0000000845007
• Never u		arge backup capacitor.) er or other measuring device. ECTOR	
	e harness connector.		
Is the insp	pection result normal?	2	
	>> GO TO 2.		
~	>> Replace harness o K WIRING HARNESS		
	e wiring harness exter pection result normal?		
•	>> GO TO 3.	-	
NO >	> Replace wiring har		
3.REPL/	ACE SATELLITE SEN	ISOR	
		H. Refer to <u>SR-23, "Exploded View"</u> .	ogio"
2. Perfo		procedure. Refer to <u>SRC-99, "DTC L</u>	<u>.ogic</u> .
	>> GO TO 4.		
NO >	>> INSPECTION END		
1 DEDI			

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1116 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

- Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-99, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1118, B1119 SATELLITE SENSOR LH

Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

DTC Logic

INFOID:000000008450081

INFOID:000000008450080

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	 Disconnection of wiring harness Malfunction in satellite sensor LH Malfunction in air bag diagnosis sensor unit
отс со	NFIRMATION PRO	CEDURE	
1. CHEC	K SELF-DIAG RESU	T	
1. Turn 2. Perfo 🕱 Witho 1. Turn	CONSULT ignition switch ON. orm "AIR BAG" Self Di ut CONSULT ignition switch ON. ck the air bag warning		agnosis with Air Bag Warning Lamp".
-	s not enter the diagno	sis mode if no malfunction is detec	ted in the user mode.
	ctioning part detected		
	>> Refer to <u>SRC-101,</u> >> INSPECTION ENE	<u>"Diagnosis Procedure"</u> .	
-	sis Procedure		
Diagno			INF0ID:00000008450082
minute Never	servicing, turn ignit s or more. (To disch	arge backup capacitor.) er or other measuring device.	ery negative terminal, and wait at least 3
Check the	e harness connector.		
Is the ins	pection result normal?	<u>-</u>	
-	>> GO TO 2.		
-	>> Replace harness c K WIRING HARNESS		
	e wiring harness exter pection result normal?		
	>> GO TO 3.	-	
NO	>> Replace wiring har		
3.REPL	ACE SATELLITE SEN	ISOR	
2. Perfo	orm DTC confirmation	I. Refer to <u>SR-23, "Exploded View</u> procedure. Refer to <u>SRC-101, "DT</u>	
<u>Is DTC d</u> YES	<u>etected?</u> >> GO TO 4.		

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-101, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1120 SATELLITE SENSOR LH

Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

DTC Logic

INFOID:000000008450084

INFOID:000000008450083

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1120	SATELLITE SENS LH [COMM FAIL]	Satellite sensor LH is malfunctioning	 Disconnection of wiring harness Malfunction in satellite sensor LH Malfunction in air bag diagnosis sensor unit 	E
отс со	NFIRMATION PRO	CEDURE		
1. CHEC	K SELF-DIAG RESUL	T		
1. Turn 2. Perfo	CONSULT ignition switch ON. orm "AIR BAG" Self Di	agnostic Result.		(
1. Turn	ut CONSULT ignition switch ON. k the air bag warning	lamp status. Refer to <u>SRC-17, "Dia</u>	agnosis with Air Bag Warning Lamp".	S
<u>ls malfun</u> YES :	ctioning part detected	"Diagnosis Procedure".	ted in the user mode.	
	sis Procedure		INF01D:00000008450085	
minute • Never u	servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	ery negative terminal, and wait at least 3	ŀ
	e harness connector.	CTOR		
	pection result normal?			Ν
	>> GO TO 2. >> Replace harness c	onnector.		
-	K WIRING HARNESS			ľ
Check the	e wiring harness exter	nals.		
	pection result normal?	•		(
	>> GO TO 3. >> Replace wiring har	ness		
~	ACE SATELLITE SEN			I
1. Repla 2. Perfo	ace satellite sensor LF orm DTC confirmation	I. Refer to <u>SR-23, "Exploded View</u> procedure. Refer to <u>SRC-103, "DT</u>		
IS DTC de	<u>etected ?</u> >> GO TO 4			

YES >> GO TO 4. NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-103, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1121 SATELLITE SENSOR LH

Description

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which is more than the specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

DTC Logic

INFOID:000000008450087

INFOID:000000008450086

А

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1121	SATELLITE SENS LH [UNMATCH]	Satellite sensor LH is out of the specified specification	Diagnosis sensor unit or crash zone sensor is dif- ferent from the part specified
DTC CO	NFIRMATION PROC	CEDURE	
1.CHEC	K SELF-DIAG RESUL	T	
 Turn Perfo Withou Turn 	ONSULT ignition switch ON. rm "AIR BAG" Self Dia it CONSULT ignition switch ON.		
2. Chec NOTE:	k the air bag warning	lamp status. Refer to <u>SRC-17, "Diag</u>	nosis with Air Bag Warning Lamp".
-	s not enter the diagnos	sis mode if no malfunction is detecte	d in the user mode.
	ctioning part detected?		
	> Refer to <u>SRC-105</u> , >> INSPECTION END	<u>"Diagnosis Procedure"</u> .	
-		,	
Diagnos	sis Procedure		INF0ID:00000008450088
	<u>c.</u>		
minutes	servicing, turn igniti s or more. (To discha	ion switch OFF, disconnect batter arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3
 Before minutes Never u 	servicing, turn igniti s or more. (To discha	arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3
Before minutes Never L 1.CHEC Check the	servicing, turn igniti s or more. (To discha ise unspecified teste K HARNESS CONNE e harness connector.	arge backup capacitor.) er or other measuring device. CTOR	y negative terminal, and wait at least 3
• Before minutes • Never u 1.CHEC Check the Is the insp	servicing, turn igniti s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. Dection result normal?	arge backup capacitor.) er or other measuring device. CTOR	y negative terminal, and wait at least 3
• Before minutes • Never u 1.CHEC Check the Is the insp YES	servicing, turn igniti s or more. (To discha- use unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2.	arge backup capacitor.) er or other measuring device. CTOR	y negative terminal, and wait at least 3
• Before minutes • Never u 1.CHEC Check the Is the insp YES NO	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co	arge backup capacitor.) er or other measuring device. CTOR	y negative terminal, and wait at least 3
• Before minutes • Never L 1.CHEC Check the Is the insp YES NO 2.CHEC	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co K WIRING HARNESS	arge backup capacitor.) er or other measuring device. CTOR onnector.	y negative terminal, and wait at least 3
• Before minutes • Never u 1.CHEC Check the Is the insp YES NO 2.CHEC Check the	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness co	arge backup capacitor.) er or other measuring device. CTOR onnector.	y negative terminal, and wait at least 3
• Before minutes • Never L 1.CHEC Check the Is the insp YES 2.CHEC Check the Is the insp YES	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. Dection result normal? >> GO TO 2. >> Replace harness co K WIRING HARNESS wiring harness extern Dection result normal? >> GO TO 3.	arge backup capacitor.) er or other measuring device. CTOR onnector.	y negative terminal, and wait at least 3
• Before minutes • Never u 1.CHEC Check the Is the insp YES NO 2.CHEC Check the Is the insp YES	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harness	arge backup capacitor.) er or other measuring device. CTOR onnector. hals.	y negative terminal, and wait at least 3
• Before minutes • Never L 1.CHEC Check the Is the insp YES 2.CHEC Check the Is the insp YES NO 2 Check the Sthe insp YES 3.REPLA	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harness >> Replace wiring harness	arge backup capacitor.) er or other measuring device. CTOR onnector. nals. Ness. SOR	y negative terminal, and wait at least 3
Before minutes Never L I.CHEC Check the Is the inser YES NO Z.CHEC Check the Is the inser YES NO Z A.REPLA 1. Repla	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harn ACE SATELLITE SEN ace satellite sensor LH	arge backup capacitor.) er or other measuring device. CTOR onnector. nals. Ness. SOR 1. Refer to <u>SR-23, "Exploded View"</u> .	
Before minutes Never L I.CHEC Check the Is the inser YES NO Z.CHEC Check the Is the inser YES NO Z A.REPLA 1. Repla	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harn ACE SATELLITE SEN ace satellite sensor LH rm DTC confirmation	arge backup capacitor.) er or other measuring device. CTOR onnector. nals. Ness. SOR	
Before minutes Never L I.CHEC Check the Is the inser YES NO 2.CHEC Check the Is the inser YES NO 2 CHEC Sthe inser YES S NO 2 S REPLA I. Repla 2. Perfo Is DTC de YES S	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harn ACE SATELLITE SEN ace satellite sensor LH rm DTC confirmation petected? >> GO TO 4.	arge backup capacitor.) er or other measuring device. CTOR onnector. anals. ness. SOR 1. Refer to <u>SR-23, "Exploded View"</u> . procedure. Refer to <u>SRC-105, "DTC</u>	
• Before minutes • Never U 1.CHEC Check the Is the inst YES NO 2.CHEC Check the Is the inst YES NO 3.REPLA 1. Repla 2. Perfo Is DTC de YES	servicing, turn igniti s or more. (To dischar ise unspecified tester K HARNESS CONNE harness connector. >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harn ACE SATELLITE SEN ace satellite sensor LH rm DTC confirmation petected?	arge backup capacitor.) er or other measuring device. CTOR onnector. anals. SOR 1. Refer to <u>SR-23, "Exploded View"</u> . procedure. Refer to <u>SRC-105, "DTC</u>	

B1121 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-105, "DTC Logic"</u>.

- YES >> GO TO 1.
- NO >> INSPECTION END

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450090

INFOID:000000008450089

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	E
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT	
 With CONSULT Turn ignition switch ON. 	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT	1
 Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. 	
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-107, "Diagnosis Procedure"</u> . NO >> INSPECTION END	К
Diagnosis Procedure	
	L
 WARNING: Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.) Never use unspecified tester or other measuring device. 1.CHECK HARNESS CONNECTOR 	Μ
Check the harness connector.	
Is the inspection result normal?	Ν
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2. CHECK WIRING HARNESS	
Check the wiring harness externals.	D
Is the inspection result normal?	F
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to SR-25. "Exploded View".	

Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>. 1.

2. Perform DTC confirmation procedure. Refer to SRC-107, "DTC Logic".

SRC-107

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1129 SIDE AIR BAG MODULE RH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450093

INFOID:000000008450092

А

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	 Disconnection of wiring harness and open Malfunction in side air bag module RH Malfunction in air bag diagnosis sensor unit 	Е
DTC CO	NFIRMATION PRO	CEDURE		F
1. CHEC	K SELF-DIAG RESU	LT		
1. Turn 2. Perfo	CONSULT ignition switch ON. prm "AIR BAG" Self D	iagnostic Result.		G
<u>e</u>	ut CONSULT ignition switch ON.		S	SR
2. Cheo		lamp status.SRC-17, "Diagnosis wi	th Air Bag Warning Lamp"	
NOTE: SRS doe	s not enter the diagno	sis mode if no malfunction is detect	ed in the user mode.	I
	ctioning part detected			
YES	>> Refer to <u>SRC-109</u> ,	"Diagnosis Procedure".		
NO	>> INSPECTION END	0		J
Diagno	sis Procedure		INF01D:00000008450094	
WARNIN	C.			Κ
	-	tion switch OFF, disconnect batte	ery negative terminal, and wait at least 3	
		arge backup capacitor.) er or other measuring device.		
	K HARNESS CONNE	-		L
		CTOR		
	e harness connector. pection result normal?			\mathbb{M}
	>> GO TO 2.	<u>-</u>		
	>> Replace harness of	connector.		Ν
2. CHEC	K WIRING HARNES	8		14
Check the	e wiring harness exter	rnals.		
	pection result normal			0
	>> GO TO 3.			
-	>> Replace wiring ha			Р
J.REPL	ACE AIR BAG DIAGN	IOSIS SENSOR UNIT		
2. Perfo	orm DTC confirmation	sensor unit. Refer to <u>SR-25, "Explo</u> procedure. Refer to <u>SRC-109, "DT</u>		
<u>Is DTC d</u>				
YES	>> GO TO 4.			

NO >> INSPECTION END

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-109, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1130 SIDE AIR BAG MODULE RH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450096

INFOID:000000008450095

А

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in side air bag module RH Malfunction in air bag diagnosis sensor unit 	Е
DTC CO	NFIRMATION PRO	CEDURE		F
1. CHEC	K SELF-DIAG RESUL	_T		
(P) With (CONSULT			G
	ignition switch ON. orm "AIR BAG" Self Di	agnostic Result		0
	ut CONSULT			
	ignition switch ON.	Iamp status Defer to SDC 17 "Disc		SR
2. Cheo NOTE:	ck the air bag warning	lamp status. Refer to <u>SRC-17, "Diac</u>	gnosis with Air Bag warning Lamp.	
	-	sis mode if no malfunction is detecte	ed in the user mode.	
	ctioning part detected			
	>> INSPECTION END	"Diagnosis Procedure".		J
Diagno	sis Procedure		INFOID:000000008450097	
WARNIN				K
 Before minute Never 	servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	ry negative terminal, and wait at least 3	L
Check th	e harness connector.			M
Is the ins	pection result normal?	-		1 V I
	>> GO TO 2. >> Replace harness c	opportor		
~	>> Replace namess c K WIRING HARNESS			Ν
	e wiring harness exter			
	pection result normal?			0
YES	>> GO TO 3.			
-	>> Replace wiring har			Ρ
	ACE AIR BAG DIAGN			
2. Perfo	orm DTC confirmation	sensor unit. Refer to <u>SR-25, "Exploc</u> procedure. Refer to <u>SRC-111, "DTC</u>		
<u>Is DTC d</u>				
YES	>> GO TO 4.			

NO >> INSPECTION END

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-111, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1131 SIDE AIR BAG MODULE RH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450099

INFOID:000000008450098

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in side air bag module RH Malfunction in air bag diagnosis sensor unit
DTC CO	NFIRMATION PRO	CEDURE	
1. CHEC	K SELF-DIAG RESUL	_T	
 Perfo Without Turn 	ignition switch ON. rm "AIR BAG" Self Di ut CONSULT ignition switch ON.	agnostic Result. lamp status. Refer to <u>SRC-17. "Diag</u>	nosis with Air Bag Warning Lamp".
	•	sis mode if no malfunction is detecte	d in the user mode.
YES :	<u>ctioning part detected</u> >> Refer to <u>SRC-113,</u> >> INSPECTION END	"Diagnosis Procedure".	
•	sis Procedure		INFOID:000000084501
• Before minute	G: servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	INFOID:000000084501
WARNIN • Before minute • Never u 1.CHEC	G: servicing, turn ignit s or more. (To discha use unspecified teste	arge backup capacitor.) er or other measuring device.	
WARNIN • Before minute • Never u 1.CHEC Check the Is the ins	G: servicing, turn ignit s or more. (To discha use unspecified testa K HARNESS CONNE harness connector. pection result normal?	arge backup capacitor.) er or other measuring device. CTOR	
WARNIN • Before minute • Never u 1.CHEC Check the Is the insp YES	G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2.	arge backup capacitor.) er or other measuring device. CTOR	
WARNIN • Before minute • Never u 1.CHEC Check the Is the insp YES NO	G: servicing, turn ignit s or more. (To discha use unspecified testa K HARNESS CONNE harness connector. pection result normal?	arge backup capacitor.) er or other measuring device. CTOR	
WARNIN • Before minute • Never u 1.CHEC Check the Is the insp YES NO 2.CHEC	G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness c	arge backup capacitor.) er or other measuring device. CCTOR	
WARNIN • Before minute • Never u 1.CHEC Check the Is the insp YES NO 2.CHEC Check the	G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness c K WIRING HARNESS	arge backup capacitor.) er or other measuring device. CTOR onnector.	
WARNIN • Before minute • Never u 1.CHEC Check the Is the insp YES 2.CHEC Check the Is the insp YES	G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. bection result normal? >> GO TO 2. >> Replace harness c K WIRING HARNESS wiring harness exter bection result normal? >> GO TO 3.	arge backup capacitor.) er or other measuring device. CCTOR onnector.	
WARNIN • Before minute • Never u 1.CHEC Check the Is the ins YES NO 2.CHEC Check the Is the ins YES NO S	G: servicing, turn ignit s or more. (To discha- use unspecified teste K HARNESS CONNE harness connector. Dection result normal? >> GO TO 2. >> Replace harness c K WIRING HARNESS wiring harness exter Dection result normal? >> GO TO 3. >> Replace wiring har	arge backup capacitor.) er or other measuring device. CCTOR onnector.	

NO >> INSPECTION END

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-113, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1132 SIDE AIR BAG MODULE RH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC detecting condition

DTC Logic

DTC

INFOID:000000008450102

Possible cause

INFOID:000000008450101

А

D

DTC DETECTION LOGIC

Display contents of

DIO	CONSULT	Bio detecting condition		
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are short- ed to each other	 Disconnection of wiring harness and short Malfunction in side air bag module RH Malfunction in air bag diagnosis sensor unit 	E
DTC CC	NFIRMATION PRO	CEDURE		F
1. CHEC	K SELF-DIAG RESU	LT		
 Turn Perfe Witho Turn 	CONSULT ignition switch ON. orm "AIR BAG" Self D out CONSULT ignition switch ON. ck the air bag warning		gnosis with Air Bag Warning Lamp".	G SRC
NOTE:	s not ontor the diagon	osis mode if no malfunction is detect	ad in the user mode	
	ctioning part detected			I
YES		"Diagnosis Procedure".		J
Diagno	sis Procedure		INFOID:000000008450103	
minute • Never	e servicing, turn igni es or more. (To disch	arge backup capacitor.) er or other measuring device.	ery negative terminal, and wait at least 3	K
	e harness connector.			в. 4
	pection result normal	<u>?</u>		Μ
	>> GO TO 2. >> Replace harness of	connector		
•	CK WIRING HARNES			Ν
Check th	e wiring harness exte	rnals.		
-	pection result normal	<u>?</u>		0
	>> GO TO 3. >> Replace wiring ha	rness.		
•		NOSIS SENSOR UNIT		Ρ
2. Perfe Is DTC d	orm DTC confirmation	sensor unit. Refer to <u>SR-25, "Explo</u> procedure. Refer to <u>SRC-115, "DT(</u>		
	>> GO TO 4. >> INSPECTION ENI	r		

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-115, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1134 SIDE AIR BAG MODULE LH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450105

INFOID:000000008450104

DTC DETECTION LOGIC

	Diaplay contents of CON		
DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	 Disconnection of wiring harness and open Malfunction in side air bag module LH Malfunction in air bag diagnosis sensor unit
тс сс	NFIRMATION PROC	CEDURE	
.CHEC	K SELF-DIAG RESUL	Т	
. Turn . Perfo Witho . Turn	CONSULT ignition switch ON. orm "AIR BAG" Self Dia ut CONSULT ignition switch ON. ck the air bag warning I		nosis with Air Bag Warning Lamp".
-	s not enter the diagnos	sis mode if no malfunction is detected	ed in the user mode.
	ctioning part detected?		
	>> Refer to <u>SRC-117, '</u> >> INSPECTION END	"Diagnosis Procedure".	
-	sis Procedure		INFOID:000000008450106
U			
VARNIN	IG:		
minute	es or more. (To discha	on switch OFF, disconnect batte irge backup capacitor.) r or other measuring device.	ry negative terminal, and wait at least 3
minute Never	es or more. (To discha	rge backup capacitor.) r or other measuring device.	ry negative terminal, and wait at least 3
minute Never .CHEC	es or more. (To discha use unspecified teste	rge backup capacitor.) r or other measuring device.	ry negative terminal, and wait at least 3
minute Never CHEC Check th	es or more. (To discha use unspecified teste CK HARNESS CONNE e harness connector. pection result normal?	rge backup capacitor.) r or other measuring device.	ry negative terminal, and wait at least 3
minute Never .CHEC check th s the ins YES	es or more. (To discha use unspecified teste CK HARNESS CONNE e harness connector. pection result normal? >> GO TO 2.	arge backup capacitor.) r or other measuring device. CTOR	ry negative terminal, and wait at least 3
minute Never .CHEC check th s the ins YES NO	es or more. (To discha use unspecified teste CK HARNESS CONNE e harness connector. pection result normal? >> GO TO 2. >> Replace harness co	arge backup capacitor.) r or other measuring device. CTOR	ry negative terminal, and wait at least 3
minute Never .CHEC theck th s the ins YES NO .CHEC	es or more. (To discha use unspecified teste CK HARNESS CONNE e harness connector. pection result normal? >> GO TO 2.	arge backup capacitor.) r or other measuring device. CTOR	ry negative terminal, and wait at least 3
minute Never .CHEC check th s the ins YES NO .CHEC check th	es or more. (To discha use unspecified teste CK HARNESS CONNE e harness connector. <u>pection result normal?</u> >> GO TO 2. >> Replace harness co CK WIRING HARNESS	arge backup capacitor.) r or other measuring device. CTOR	ry negative terminal, and wait at least 3
minute Never .CHEC check th s the ins YES NO .CHEC check th s the ins YES	es or more. (To discha use unspecified teste CK HARNESS CONNEC e harness connector. pection result normal? >> GO TO 2. >> Replace harness co CK WIRING HARNESS e wiring harness exterr pection result normal? >> GO TO 3.	arge backup capacitor.) r or other measuring device. CTOR onnector.	ry negative terminal, and wait at least 3
minute Never Check th s the ins YES NO CHEC Check th s the ins YES NO	es or more. (To discha use unspecified teste CK HARNESS CONNEC e harness connector. pection result normal? >> GO TO 2. >> Replace harness co CK WIRING HARNESS e wiring harness exterr pection result normal? >> GO TO 3. >> Replace wiring harr	arge backup capacitor.) r or other measuring device. CTOR	ry negative terminal, and wait at least 3
minute Never .CHEC Check th s the ins YES NO CHEC Check th s the ins YES NO YES NO S.REPL	es or more. (To discha use unspecified teste CK HARNESS CONNEC e harness connector. pection result normal? >> GO TO 2. >> Replace harness co CK WIRING HARNESS e wiring harness exterr pection result normal? >> GO TO 3. >> Replace wiring harr ACE AIR BAG DIAGNO	arge backup capacitor.) r or other measuring device. CTOR onnector. hals.	
minute Never .CHEC heck th the ins YES NO .CHEC theck th the ins YES NO .REPL . Repl	es or more. (To discha use unspecified teste CK HARNESS CONNEC e harness connector. pection result normal? >> GO TO 2. >> Replace harness co CK WIRING HARNESS e wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harn ACE AIR BAG DIAGNO ace air bag diagnosis s	arge backup capacitor.) r or other measuring device. CTOR	led View".
minute Never .CHEC Check the sthe ins YES NO CHEC Check the sthe ins YES NO .CHEC Check the sthe ins YES NO .CHEC Check the sthe ins YES NO CHEC Check the sthe ins YES NO	es or more. (To discha use unspecified teste CK HARNESS CONNEC e harness connector. pection result normal? >> GO TO 2. >> Replace harness co CK WIRING HARNESS e wiring harness extern pection result normal? >> GO TO 3. >> Replace wiring harn ACE AIR BAG DIAGNO ace air bag diagnosis s	arge backup capacitor.) r or other measuring device. CTOR onnector. hals. DSIS SENSOR UNIT sensor unit. Refer to <u>SR-25, "Explor</u>	led View".

NO >> INSPECTION END

SRC-117

А

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-15</u>, "Exploded View".
 Perform DTC confirmation procedure. Refer to <u>SRC-117</u>, "<u>DTC Logic</u>".

- YES >> GO TO 1.
- >> INSPECTION END NO

B1135 SIDE AIR BAG MODULE LH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450108

INFOID:000000008450107

А

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in side air bag module LH Malfunction in air bag diagnosis sensor unit
отс со	NFIRMATION PRO	CEDURE	
1.снес	K SELF-DIAG RESU	_T	
1. Turn 2. Perfo 🕅 Witho 1. Turn	CONSULT ignition switch ON. orm "AIR BAG" Self Di ut CONSULT ignition switch ON.		
2. Cheo NOTE:	ck the air bag warning	lamp status. Refer to SRC-17, "Diagr	nosis with Air Bag Warning Lamp".
	s not enter the diagno	sis mode if no malfunction is detected	d in the user mode.
	ctioning part detected		
YES NO	>> Refer to <u>SRC-119,</u> >> INSPECTION END	<u>"Diagnosis Procedure"</u> .	
	sis Procedure		
Jiagno			INFOID:00000008450109
minute Never	servicing, turn ignit s or more. (To disch	arge backup capacitor.) er or other measuring device.	y negative terminal, and wait at least 3
Check th	e harness connector.		
s the ins	pection result normal?	-	
	>> GO TO 2. >> Replace harness c	appactor	
`	K WIRING HARNESS		
	e wiring harness exter		
	pection result normal?		
YES	- >> GO TO 3.		
-	>> Replace wiring har		
J.REPL	ACE AIR BAG DIAGN	OSIS SENSOR UNIT	
		sensor unit. Refer to <u>SR-25, "Explode</u> procedure. Refer to <u>SRC-119, "DTC</u>	
<u>ls DTC d</u>	etected?		
YES	>> GO TO 4.		

NO >> INSPECTION END

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-15</u>, "Exploded View".
 Perform DTC confirmation procedure. Refer to <u>SRC-119</u>, "<u>DTC Logic</u>".

- YES >> GO TO 1.
- >> INSPECTION END NO

B1136 SIDE AIR BAG MODULE LH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450111

INFOID:000000008450110

А

DTC DETECTION LOGIC

	Display contents of		
DTC	CONSULT	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in side air bag module LH Malfunction in air bag diagnosis sensor unit
DTC CO	NFIRMATION PRC	CEDURE	
1. снес	K SELF-DIAG RESU	LT	
 Turn Perfo Withoι 	CONSULT ignition switch ON. orm "AIR BAG" Self D ut CONSULT	iagnostic Result.	
	ignition switch ON. k the air bag warning	lamp status. Refer to <u>SRC-17, "Diag</u>	nosis with Air Bag Warning Lamp".
NOTE:		-	
	s not enter the diagno	osis mode if no malfunction is detected	d in the user mode.
	•	<u>, "Diagnosis Procedure"</u> .	
	>> INSPECTION EN		
Diagnos	sis Procedure		INFOID:00000008450112
WARNIN	• .		
	-	tion switch OFF, disconnect batter	y negative terminal, and wait at least 3
• Never u	s or more. (To disch	harge backup capacitor.) ter or other measuring device.	
	K HARNESS CONN		
	e harness connector.		
	pection result normal	?	
	>> GO TO 2.		
~	>> Replace harness		
-	K WIRING HARNES		
	e wiring harness exte		
•	pection result normal	<u>?</u>	
	>> GO TO 3. >> Replace wiring ha	rness.	
-		NOSIS SENSOR UNIT	
		sensor unit. Refer to <u>SR-25, "Explode</u>	ed View"
		procedure. Refer to <u>SRC-121, "DTC</u>	
<u>Is DTC de</u>	etected?		
YES >			

NO >> INSPECTION END

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-121, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1137 SIDE AIR BAG MODULE LH

Description

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450114

INFOID:000000008450113

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in side air bag module LH Malfunction in air bag diagnosis sensor unit 	Е
DTC CC	NFIRMATION PRO	CEDURE		F
1. CHEC	K SELF-DIAG RESU	_T		
() With (CONSULT			G
	ignition switch ON. orm "AIR BAG" Self Di	agnostic Posult		0
	ut CONSULT			SRC
	ignition switch ON.	lamp status. Refer to SRC-17, "Diag	nocic with Air Rag Warning Lamp"	SRC
NOTE:				
	-	sis mode if no malfunction is detecte	d in the user mode.	I
	ctioning part detected	<u>?</u> "Diagnosis Procedure".		
	>> INSPECTION END			J
Diagno	sis Procedure		INFOID:00000008450115	
WARNIN				Κ
		ion switch OFF, disconnect batter	y negative terminal, and wait at least 3	
		arge backup capacitor.) er or other measuring device.		I
	CK HARNESS CONNE	C C		_
	e harness connector.			вл
	pection result normal?	-		Μ
	>> GO TO 2.			
•	>> Replace harness c			Ν
	K WIRING HARNESS			
	e wiring harness exter pection result normal?			0
_	>> GO TO 3.			
NO	>> Replace wiring har			Р
3.REPL	ACE AIR BAG DIAGN	OSIS SENSOR UNIT		1
		sensor unit. Refer to <u>SR-25, "Explod</u>		
		procedure. Refer to <u>SRC-123, "DTC</u>		
<u>ls DTC d</u>	etected?			

NO >> INSPECTION END

SRC-123

А

D

4.REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-15, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-123, "DTC Logic"</u>.

- YES >> GO TO 1.
- >> INSPECTION END NO

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450117

INFOID:000000008450116

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT	
 With CONSULT Turn ignition switch ON. 	SRC
 Perform "AIR BAG" Self Diagnostic Result. Without CONSULT 	
1. Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to SRC-17. "Diagnosis with Air Bag Warning Lamp".	
NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	Л
Is malfunctioning part detected?	0
YES >> Refer to <u>SRC-125, "Diagnosis Procedure"</u> .	
NO >> INSPECTION END	Κ
Diagnosis Procedure	
	L
• 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.	Μ
1.CHECK HARNESS CONNECTOR	
Check the harness connector.	Ν
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	P
Is the inspection result normal?	1
YES >> GO TO 3. NO >> Replace wiring harness.	
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	

Replace air bag diagnosis sensor unit. Refer to SR-25, "Exploded View". 1.

2. Perform DTC confirmation procedure. Refer to SRC-125, "DTC Logic".

SRC-125

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1144 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450120

INFOID:000000008450119

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause	E
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	 Malfunction in air bag diagnosis sensor unit Configuration in air bag diagnosis sensor unit does not match the vehicles specification 	_

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON. 2. Perform "AIR BAG" Self Diagnostic Result. 🕅 Without CONSULT Turn ignition switch ON. 1. Check the air bag warning lamp status. Refer to SRC-17, "Diagnosis with Air Bag Warning Lamp". 2. NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES >> Refer to <u>SRC-127</u>, "Diagnosis Procedure". NO >> INSPECTION END Diagnosis Procedure INFOID:000000008450121
- WARNING:
- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.
- **1.**CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25. "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-127. "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

В

D

А

SRC

.

Κ

L

M

Ν

8450121

B1145 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000008450122

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450123

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	 Disconnection of wiring harness and open Malfunction in side curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-128, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-128, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-128

B1145 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE	А
 Replace curtain air bag module RH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-128, "DTC Logic"</u>. 	
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	Е
	F

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

G

B1146 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000008450125

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450126

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-130, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-130, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-130

B1146 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE	А
 Replace curtain air bag module RH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-130, "DTC Logic"</u>. 	1
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	Е
	F
	G
	G

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

B1147 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000008450128

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450129

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-132</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-132, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-132

B1147 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE	А
 Replace curtain air bag module RH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-132, "DTC Logic"</u>. 	
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	Е
	F

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

G

B1148 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000008450131

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450132

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-134</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-134, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1148 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE	Δ
 Replace curtain air bag module RH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-134, "DTC Logic"</u>. 	1
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	Е
	F
	G

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

B1150 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000008450134

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450135

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	 Disconnection of wiring harness and open Malfunction in curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-136, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-136, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1150 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE	Δ
 Replace curtain air bag module LH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-136, "DTC Logic"</u>. 	/ \
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	Е
	F
	G
	0.0.0

J

Κ

L

Μ

Ν

Ο

Ρ

B1151 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000008450137

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450138

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

1. Turn ignition switch ON.

- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-138</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 ${f 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-138, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-138

B1151 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE	А
 Replace curtain air bag module LH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-138, "DTC Logic"</u>. 	
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
NO >> INSPECTION END	С
	0
	D
	_
	Е
	_
	F

G

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

B1152 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000008450140

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450141

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-140, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-140, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-140

B1152 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE	А
 Replace curtain air bag module LH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-140, "DTC Logic"</u>. 	11
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	Е
	F
	G

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

B1153 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000008450143

In case of frontal collision where acceleration is more than the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

DTC Logic

INFOID:000000008450144

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-142</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

${\it 3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-142, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-142

B1153 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE	Δ
 Replace curtain air bag module LH. Refer to <u>SR-19, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-142, "DTC Logic"</u>. 	
Is DTC detected?	В
YES >> GO TO 1. NO >> INSPECTION END	
	С
	D
	E
	F
	G
-	

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000008450146

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450147

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157 B1158 B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-144, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000008450148

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-144, "DTC Logic"</u>.

SRC-144

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

<u>Is DTC</u>	detected?	
	>> GO TO 1. >> INSPECTION END	

G

F

А

В

С

D

Е

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000008450149

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450150

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173 B1174 B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-146, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

$\mathbf{3}$.replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-146, "DTC Logic"</u>.

SRC-146

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

<u>Is DTC</u>	detected?	
	>> GO TO 1. >> INSPECTION END	

C D E

А

В

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

G

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000008450152

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450153

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189 B1190 B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-148, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000008450154

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

 $\mathbf{3.}$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-148, "DTC Logic"</u>.

SRC-148

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

<u>Is DTC</u>	detected?	
	>> GO TO 1. >> INSPECTION END	

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

G

А

В

С

D

Е

F

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000008450155

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450156

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- **Without CONSULT**
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-150, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

$\mathbf{3}$.replace air bag diagnosis sensor unit

1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to <u>SRC-150, "DTC Logic"</u>.

SRC-150

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?		
	>> GO TO 1. >> INSPECTION END	

G

SRC

J

Κ

L

Μ

Ν

Ο

Ρ

А

В

С

D

Е

F

B1209 FRONTAL COLLISION DETECTION

Description

The air bags and seat belt pre-tensioners for driver and passenger are activated by the air bag diagnosis sensor unit signal transmitted at the time of the frontal collision.

DTC Logic

INFOID:000000008450159

INFOID:00000008450158

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Seat belt pre-tensioner, driver side air bag and pas- senger air bag are deployed	_

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-152</u>, "Diagnosis Procedure".
- NO >> INSPECTION END

Diagnosis Procedure

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 <u>SR-4</u>, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or <u>SR-5</u>, "FOR FRONTAL COLLISION : When SRS is not activated in a collision".

Is collision diagnosis complete?

YES >> GO TO 2. NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Perform diagnosis of applicable DTC.Refer to <u>SRC-162, "DTC Index"</u>.

B1210 SIDE COLLISION DETECTION

Description

The side air bag and curtain air bag are activated by the air bag diagnosis sensor unit signal transmitted at the time of side collision.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DE- TECTION	Side air bag and curtain air bag are deployed	_
DTC CONFI	RMATION PROCEDU	JRE	
1. CHECK SE	LF-DIAG RESULT		
 Perform " Without CC 1. Turn igniti 	on switch ON. AIR BAG" Self Diagnos DNSULT on switch ON.	tic Result. status. Refer to <u>SRC-17, "Diagnosis with Air</u>	Bag Warning Lamp".
SRS does not	v	ode if no malfunction is detected in the user i	mode.
YES >> R	<u>ing part detected?</u> efer to <u>SRC-153. "Diag</u> ISPECTION END	nosis Procedure".	
Diagnosis I	Procedure		INFOID:00000008450163
minutes or	more. (To discharge k	witch OFF, disconnect battery negative te backup capacitor.) other measuring device.	erminal, and wait at least 3
1.PERFORM	COLLISION DIAGNO	SIS	
<u>in a collision"</u> (or <u>SR-7, "FOR SIDE AI</u>	BR-6. "FOR SIDE AND ROLLOVER COLLIS ND ROLLOVER COLLISION : When SRS is	ION : When SRS is activated not activated in a collision".
YES >> G	<u>gnosis complete?</u> O TO 2. ISPECTION END		
2.FINAL INS			
	BAG" Self Diagnostic R	Result.	
	on result normal?		
-	ISPECTION END		
NO >> Po	ertorm diagnosis of app	blicable DTC.Refer to <u>SRC-162, "DTC_Index</u>	."

А

С

INFOID:000000008450161

B1211 ROLLOVER DETECTION

Description

INFOID:000000008450164

The seat belt pre-tensioner and curtain air bag are activated by the air bag diagnosis sensor unit signal at the time of rollover.

DTC Logic

INFOID:000000008450165

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1211	ROLLOVER DETEC- TION	Seat belt pre-tensioner and curtain air bag module are deployed because of rollover detection	_

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-154, "Diagnosis Procedure"</u>.
- NO >> INSPECTION END

Diagnosis Procedure

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 <u>SR-6</u>, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision" or <u>SR-7</u>, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision".

Is collision diagnosis complete?

YES >> GO TO 2. NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

- Is the inspection result normal?
- YES >> INSPECTION END
- NO >> Perform diagnosis of applicable DTC.Refer to <u>SRC-162, "DTC Index"</u>.

B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1212, B1213, B1214 SATELLITE SENSOR RH

Description

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000008450168

INFOID:000000008450169

INFOID:00000008450167

А

F

SRC

L

M

Ν

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1212 B1213 B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	 Disconnection of wiring harness Malfunction in satellite sensor RH Malfunction in air bag diagnosis sensor unit 	Е

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

YES	>> Refer to <u>SRC-155, "Diagnosis Procedure"</u> .

NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SATELLITE SENSOR

1. Replace satellite sensor RH. Refer to <u>SR-23, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-155, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-155, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1215, B1216, B1217 SATELLITE SENSOR LH

Description

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000008450171

INFOID:000000008450172

INFOID:000000008450170

А

В

F

SRC

L

M

Ν

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1215 B1216 B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	 Disconnection of wiring harness Malfunction in satellite sensor LH Malfunction in air bag diagnosis sensor unit 	Е

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u>. **NOTE:**

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

Is malfunctioning part detected?

YES	>> Refer to <u>SRC-157, "Diagnosis Procedure"</u> .

NO >> INSPECTION END

Diagnosis Procedure

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE SATELLITE SENSOR

1. Replace satellite sensor LH. Refer to <u>SR-23, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-157. "DTC Logic"

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to <u>SRC-157, "DTC Logic"</u>.

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450174

INFOID:000000008450173

А

С

D

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	F
B1218 B1219 B1220 B1221 B1222 B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

Λ

1.CHECK SELF-DIAG RESULT	
 With CONSULT Turn ignition switch ON. 	SRC
2. Perform "AIR BAG" Self Diagnostic Result.	
Without CONSULT Turn ignition switch ON.	
2. Check the air bag warning lamp status. Refer to <u>SRC-17, "Diagnosis with Air Bag Warning Lamp"</u> .	
NOTE: SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.	J
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-159, "Diagnosis Procedure"</u> . NO >> INSPECTION END	К
Diagnosis Procedure	
WARNING:	L
 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 	Μ
Check the harness connector.	Ν
Is the inspection result normal?	IN
YES >> GO TO 2.	
NO >> Replace harness connectors.	0
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	Ρ
Is the inspection result normal? YES >> GO TO 3.	
NO >> Replace wiring harness.	
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> .	

Perform DTC confirmation procedure. Refer to SRC-159, "DTC Logic". 2.

Revision: 2012 August

SRC-159

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?YES>> GO TO 1.NO>> INSPECTION END

B1239 DIAGNOSIS SENSOR UNIT

Description

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air В bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000008450177

INFOID:000000008450176

А

С

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
отс со	NFIRMATION PRO	CEDURE	
1.снес	K SELF-DIAG RESUL	Т	
1. Turn	CONSULT ignition switch ON.		
	orm "AIR BAG" Self Dia ut CONSULT	agnostic Result.	
1. Turn	ignition switch ON.		
CheckNOTE:	k the air bag warning	lamp status. Refer to <u>SRC-17, "Diagnosi</u>	s with Air Bag Warning Lamp".
		sis mode if no malfunction is detected in	the user mode.
	ctioning part detected	—	
	>> Refer to <u>SRC-161,</u> >> INSPECTION END	"Diagnosis Procedure".	
Diagno WARNIN	sis Procedure G:		
Diagno WARNIN • Before minute • Never	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste	ion switch OFF, disconnect battery ne arge backup capacitor.) er or other measuring device.	
Diagno WARNIN • Before minute • Never	sis Procedure G: servicing, turn ignit s or more. (To discha	arge backup capacitor.) er or other measuring device.	
Diagno WARNIN • Before minute • Never u 1.CHEC Check the	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE e harness connector.	arge backup capacitor.) er or other measuring device. CTOR	
Diagno WARNIN • Before minute • Never 1.CHEC Check the Is the ins	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE e harness connector. pection result normal?	arge backup capacitor.) er or other measuring device. CTOR	
Diagno WARNIN • Before minute • Never 1.CHEC Check the Is the ins YES	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE e harness connector.	arge backup capacitor.) er or other measuring device. CTOR	
Diagno WARNIN • Before minute • Never 1 1.CHEC Check the Is the ins YES	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. pection result normal? >> GO TO 2.	arge backup capacitor.) er or other measuring device. CTOR	
Diagno WARNIN • Before minute • Never of 1.CHEC Check the Is the ins YES NO 2.CHEC	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. pection result normal? >> GO TO 2. >> Replace harness c	arge backup capacitor.) er or other measuring device. CTOR onnectors.	
Diagno WARNIN • Before minute • Never of 1.CHEC Check the Is the ins YES NO 2.CHEC Check the Is the ins	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. pection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS e wiring harness exter pection result normal?	arge backup capacitor.) er or other measuring device. CTOR onnectors.	
Diagno WARNIN • Before minute • Never u 1.CHEC Check the Is the ins YES NO 2.CHEC Check the Is the ins YES	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. pection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3.	arge backup capacitor.) er or other measuring device. CTOR onnectors.	
Diagno WARNIN • Before minute • Never u 1.CHEC Check the Is the ins YES NO 2.CHEC Check the Is the ins YES NO	sis Procedure G: servicing, turn ignit s or more. (To discha use unspecified teste K HARNESS CONNE harness connector. pection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS wiring harness exter pection result normal? >> GO TO 3. >> Replace wiring harness	arge backup capacitor.) er or other measuring device. CTOR onnectors. nals.	
Diagno WARNIN • Before minute • Never 1 • Never 1 1.CHEC Check the Is the ins YES NO 2.CHEC Check the Is the ins YES NO 3.REPL	sis Procedure G: servicing, turn ignit s or more. (To dischar use unspecified tester K HARNESS CONNE e harness connector. pection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3. >> Replace wiring harness act air bag diagnosis	arge backup capacitor.) er or other measuring device. CTOR onnectors. nals. Ness. OSIS SENSOR UNIT sensor unit. Refer to <u>SR-25, "Exploded V</u>	/ <u>iew"</u> .
Diagno WARNIN • Before minute • Never 1 • Never 1 1.CHEC Check the Is the ins YES NO 2.CHEC Check the Is the ins YES NO 3.REPL	sis Procedure G: servicing, turn igniti s or more. (To dischar use unspecified tester K HARNESS CONNE harness connector. pection result normal? >> GO TO 2. >> Replace harness con K WIRING HARNESS e wiring harness exter pection result normal? >> GO TO 3. >> Replace wiring harness ACE AIR BAG DIAGN ace air bag diagnosis form DTC confirmation	arge backup capacitor.) er or other measuring device. CTOR onnectors. nals. Ness. OSIS SENSOR UNIT	egative terminal, and wait at least :

YES >> GO TO 1. NO >> INSPECTION END

ECU DIAGNOSIS INFORMATION DIAGNOSIS SENSOR UNIT

DTC Index

DTC	Diagnostic item		Explanation	Reference page
			Low battery voltage (Less than 9 V)	SRC-23, "CON- SULT Function".
_	NO DTC IS DETECTED.	When malfunction is indicated by the "AIR BAG" warning lamp in the user mode	Self-diagnostic result is not erased after repair	SRC-17, "Diag- nosis with Air Bag Warning Lamp", SRC-23, "CONSULT Function".
			Intermittent malfunction is detected in the past	<u>GI-41, "Intermit-</u> tent Incident"
		No malfunction is detect	cted	_
B1001-B1015	CONTROL UNIT	Air bag diagnosis sens	or unit is malfunctioning	 <u>SRC-25,</u> <u>"DTC Logic"</u>. <u>SRC-27,</u> <u>"DTC Logic"</u>. <u>SRC-29,</u> <u>"DTC Logic"</u>.
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Malfunction occurs in C	Occupant Detection System control unit	<u>SRC-31, "DTC</u> <u>Logic"</u> .
B1018	OCCUPANT SENS [UNIT FAIL]	Malfunction occurs in C	Occupant Detection System sensor	SRC-33, "DTC Logic".
B1022	OCCUPANT SENS C/U [COMM FAIL]	circuit of Occupant Dete	Occupant Detection System control unit, ection System control unit air bag diag- r bag diagnosis sensor unit	<u>SRC-35, "DTC</u> Logic".
B1023	PASS A/B INDCTR CKT		F indicator circuit is open or shorted to re shorted each other	<u>SRC-37, "DTC</u> Logic".
B1025 B1032 B1048	OCS SENSOR	ground or the circuits are shorted each other Malfunction occurs in Occupant Detection System control unit, circuit of Occupant Detection System control unit air bag diag- nosis sensor unit, or air bag diagnosis sensor unit		<u>SRC-39, "DTC</u> Logic".
B1026-B1031	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification		SRC-41, "DTC Logic".
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is malfunctioning		SRC-43, "DTC Logic".
B1035	CRASH ZONE SEN [COMM FAIL]	Crash zone sensor is malfunctioning		<u>SRC-45, "DTC</u> Logic".
B1036	CRASH ZONE SEN [UNMATCH]	Crash zone sensor is out of the specified specification		SRC-47, "DTC Logic".
B1037 B1039 B1041	CRASH ZONE SEN1	Crash zone sensor is malfunctioning		<u>SRC-49, "DTC</u> Logic".
B1042-B1047	CONTROL UNIT	Air bag diagnosis sense	or unit is malfunctioning	SRC-51, "DTC Logic".
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module c	ircuit is open (including the spiral cable)	<u>SRC-53, "DTC</u> Logic".
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]		Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module ci spiral cable)	ircuit is shorted to ground (including the	<u>SRC-57, "DTC</u> Logic".

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Explanation	Reference page	٨
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (includ- ing spiral cable)	<u>SRC-59, "DTC</u> Logic".	A
B1058-B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-61, "DTC Logic".	В
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	SRC-63, "DTC Logic".	
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	SRC-65, "DTC Logic".	С
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	SRC-67, "DTC Logic".	D
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	SRC-69, "DTC Logic".	
B1074-B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-71, "DTC Logic".	E
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (includ- ing spiral cable)	SRC-73, "DTC Logic".	F
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	<u>SRC-75, "DTC</u> Logic".	
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	<u>SRC-77, "DTC</u> Logic".	G
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	<u>SRC-79, "DTC</u> Logic".	SR
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	SRC-81, "DTC Logic".	
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	<u>SRC-83, "DTC</u> Logic".	I
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	<u>SRC-85, "DTC</u> Logic".	J
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	SRC-87, "DTC Logic".	
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	<u>SRC-89, "DTC</u> Logic".	K
B1090-B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-91, "DTC</u> Logic".	L
B1106-B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-93, "DTC</u> Logic".	
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	<u>SRC-95, "DTC</u> Logic".	M
B1115	SATELLITE SENS RH [COMM FAIL]	Satellite sensor RH is malfunctioning	SRC-97, "DTC Logic".	N
B1116	SATELLITE SENS RH [UNMATCH]	Satellite sensor RH is out of the specified specification	SRC-99, "DTC Logic".	IN
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	SRC-101, "DTC Logic".	0
B1120	SATELLITE SENS LH [COMM FAIL]	Satellite sensor LH is malfunctioning	SRC-103, "DTC Logic".	
B1121	SATELLITE SENS LH [UNMATCH]	Satellite sensor LH is out of the specified specification	<u>SRC-105, "DTC</u> Logic".	Ρ
B1122-B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-107, "DTC</u> Logic".	
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	SRC-109, "DTC Logic".	

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Explanation	Reference page
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<u>SRC-111, "DT(</u> Logic".
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	<u>SRC-113, "DT Logic"</u> .
B1132	SIDE MODULE RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	<u>SRC-115, "DT Logic"</u> .
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	SRC-117, "DT Logic".
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	SRC-119, "DT Logic".
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	SRC-121, "DT Logic".
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	SRC-123, "DT Logic".
B1138-B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-125, "DT Logic"
B1144	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	SRC-127, "DT Logic".
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	SRC-128, "DT Logic".
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<u>SRC-130, "DT</u> Logic".
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	SRC-132, "DT Logic".
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	<u>SRC-134, "DT</u> Logic".
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	<u>SRC-136, "DT</u> <u>Logic"</u> .
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuits	<u>SRC-138, "DT</u> Logic".
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	SRC-140, "DT Logic".
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	<u>SRC-142, "DT</u> Logic".
B1154-B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-144, "DT</u> <u>Logic"</u> .
B1170-B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-146, "DT</u> <u>Logic"</u> .
B1186-B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-148, "DT</u> Logic".
B1202-B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	<u>SRC-150, "DT</u> Logic".
B1209	FRONTAL COLLISION DE- TECTION	Seat belt pre-tensioner, driver side air bag and passenger air bag are deployed	<u>SRC-152, "DT</u> Logic".
B1210	SIDE COLLISION DETEC- TION	Side air bag and curtain air bag are deployed	<u>SRC-153, "DT</u> Logic".
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner side curtain air bag module are de- ployed because of rollover detection	<u>SRC-154, "DT</u> Logic".
B1212-B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	<u>SRC-155, "DT</u> Logic".
B1215-B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	<u>SRC-157, "DT</u> Logic".

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Explanation	Reference page	^
B1218-B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-159, "DTC Logic".	A
B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-161, "DTC Logic".	В

С

D

Е

F

SRC

J

Κ

L

Μ

Ν

Ο

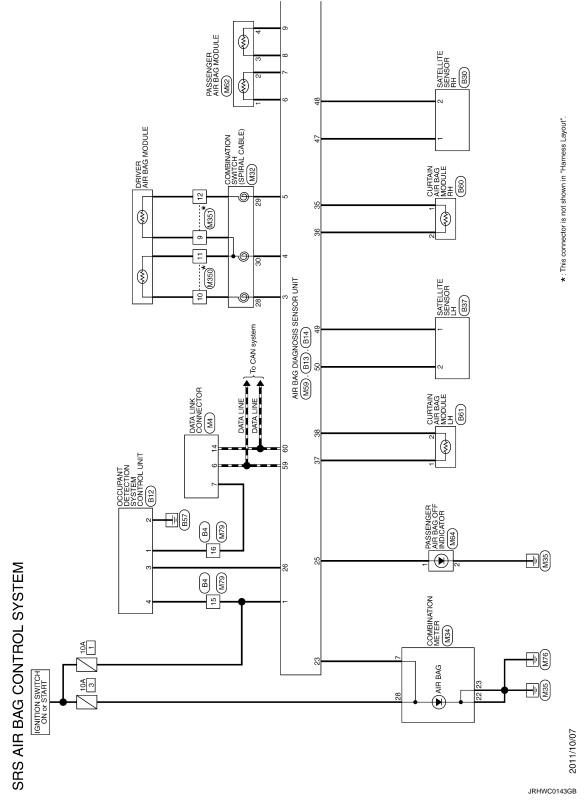
Ρ

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:000000008450180

For connector terminal arrangements, harness layouts, and alphabets in a \bigcirc (option abbreviation; if not described in wiring diagram), refer to <u>GI-12, "Connector Information"</u>.



< ECU DIAGNOSIS INFORMATION >

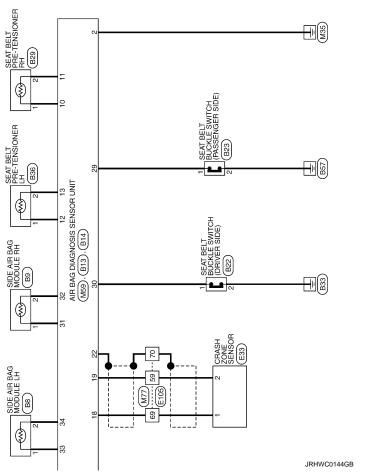
B

А

D







Ρ

Μ

Ν

0

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS SRS AIR BAG WARNING LAMP DOES NOT TURN OFF **Diagnosis** Procedure INFOID:000000008450181 1. CHECK AIR BAG MODULE AND SEAT BELT PRE-TENSIONER Check the deployment of air bag module and seat belt pre-tensioner. Is air bag module deployed? YFS >> Replace the malfunctioning parts. NO >> GO TO 2. 2 . CHECK AIR BAG FUSE Check 10A fuse [No.2, located in fuse block (J/B)]. Is the inspection result normal? YES >> GO TO 3. NO >> Replace the fuse. ${f 3.}$ 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 AIR BAG DIAGNOSIS SENSOR UNIT Replace air bag diagnosis sensor unit. Refer to SR-25, "Exploded View". 1. Check air bag warning lamp operation. 2. Is the inspection result normal? YES >> INSPECTION END NO >> GO TO 6. 6.REPLACE COMBINATION METER

1. Replace combination meter. Refer to <u>MWI-90, "Exploded View"</u>.

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON < SYMPTOM DIAGNOSIS > SRS AIR BAG WARNING LAMP DOES NOT TURN ON	
Diagnosis Procedure	A
1. CHECK COMBINATION METER POWER SPPLY AND GROUND CIRCUIT Check combination meter unit power supply and ground circuit. Refer to <u>MWI-39</u> , <u>"COMBINATION METER :</u>	В
Diagnosis Procedure". Is the inspection result normal? YES >> GO TO 2.	С
NO >> Repair or replace the malfunctioning parts. 2.CHECK HARNESS CONNECTOR	D
Check the harness connector. <u>Is the inspection result normal?</u> YES >> GO TO 3. NO >> Replace harness connectors.	E
3. CHECK WIRING HARNESS Check the wiring harness externals.	F
Is the inspection result normal? YES >> GO TO 4. NO >> Replace wiring harness.	G
4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.	SRC
Does air bag warning lamp turn ON? YES >> Replace air bag diagnosis sensor unit. Refer to <u>SR-25, "Exploded View"</u> . NO >> Replace combination meter. Refer to <u>MWI-90, "Exploded View"</u> .	I
	J
	К
	L
	M
	Ν
	0
	Ρ

< PRECAUTION >

PRECAUTION PRECAUTIONS

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

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. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, 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 "SRS AIR BAG".
- Never 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:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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, and wait at least 3 minutes before performing any service.

Service

INFOID:000000008450184

- Never use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.

For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, never work on any SRS connectors or wires until at least 3 minutes have passed.

- Diagnosis sensor unit must always be installed with their arrow marks "
 " pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned with the neutral position since its rotations are limited. Never turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.
- Never solder the harness when making repairs. Check that harness is not pinched and that there is no contact with other components.
- Never allow harness to come in contact with oil, grease, waste oil, or water.
- Never insert foreign materials, such as a screwdriver, into the harness connector. (This is to prevent accidental activation caused by static electricity.)
- Always use CONSULT or SRS air bag warning lamp to perform the circuit diagnosis. (Never use an electric tester such as a circuit tester.)

SRC-170

PRECAUTIONS

Occupant Detection System Precaution	INFOID:000000008450185	А
Replace Occupant Detection System control unit and passenger front seat cushion frame as Refer to <u>SE-15. "Exploded View"</u> .	an assembly.	A
		В
		С
		D
		E
		F
		G
		SR
		J
		K
		L
		M
		N
		N

0

Ρ