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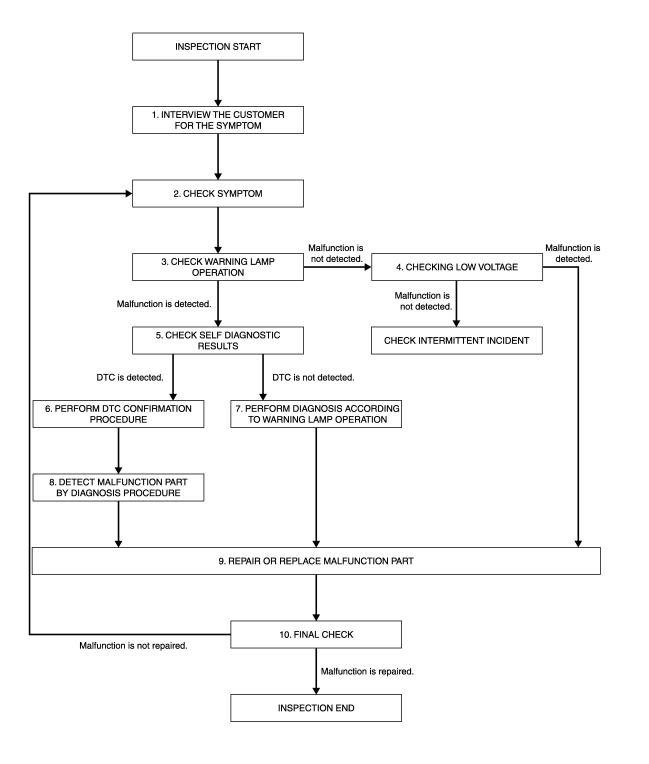
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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow | 1NF01D:000000011294222 | B

OVERALL SEQUENCE



JMHIA1324GB

DIAGNOSIS AND REPAIR WORK FLOW

[COUPE (EXCEPT FOR MEXICO)]

< BASIC INSPECTION >

1. INTERVIEW THE CUSTOMER FOR THE SYMPTOM

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

>> GO TO 2.

2. CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3. CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to <u>SRC-20, "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-25, "CONSULT Function".

Are any malfunction detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".

${f 5.}$ 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.

7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

- 1. Check air bag warning lamp operation in the user mode. Refer to <u>SRC-20, "Diagnosis with Air Bag Warning Lamp"</u>.
- 2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to <u>SRC-20, "Diagnosis with Air Bag Warning Lamp"</u> (USER MODE).

>> GO TO 9.

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 >

[COUPE (EXCEPT FOR MEXICO)]

$9.\mathsf{REPAIR}$ OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

>> GO TO 10.

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.

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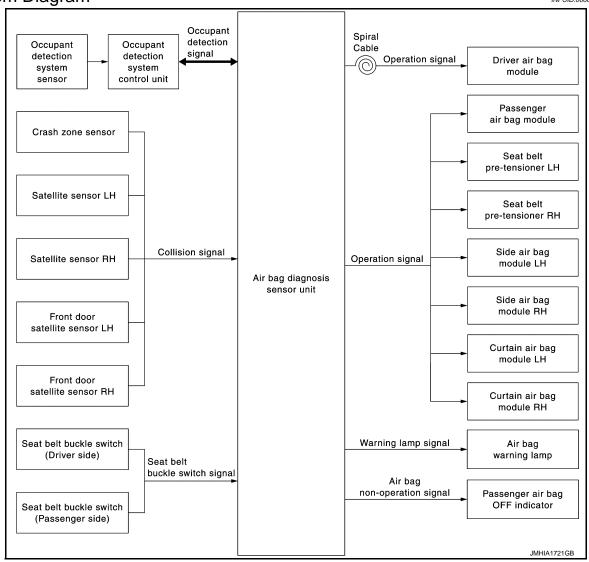
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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram

INFOID:0000000011294223



System Description

INFOID:0000000011294224

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, or when pressure that is more than the specified limit is detected by front door 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, gas generator 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.

When air bag diagnosis sensor unit detects a rollover of the vehicle, electric igniter (squib) receives power supply, pyrotechnic material is ignited, and then piston is projected.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[COUPE (EXCEPT FOR MEXICO)]

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 an adult or a child and passenger seat belt is not fastened, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to <u>SBC-3</u>, "System Description".

COLLISION MODE

- The operation of supplemental restraint system 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 some collision modes are as per the following.

SRS configuration	Frontal collision	Rear collision	Left side collision	Right side collision
Driver air bag module	×	_	_	_
Passenger air bag module	×	_	_	_
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	_	_	×	_
Curtain air bag module RH	_	_	_	×

^{×:} Apply

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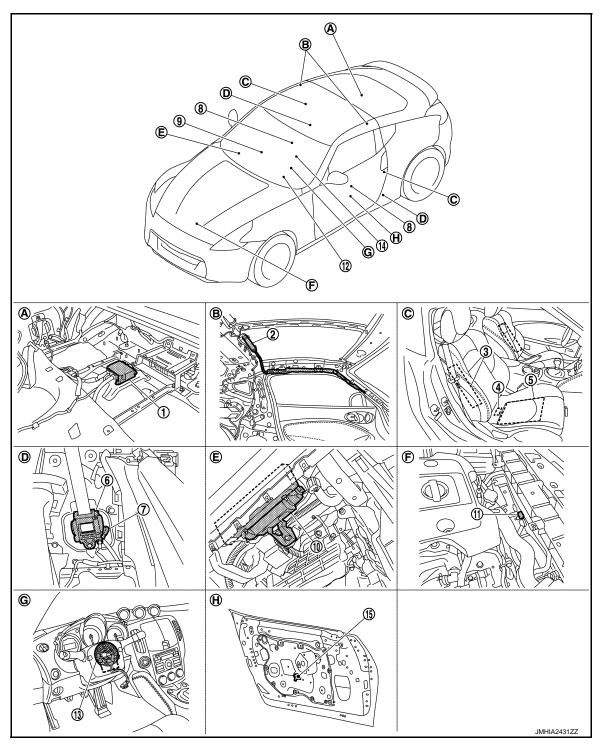
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^{—:} Not apply

Component Parts Location

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- 1. Air bag diagnosis sensor unit
- Occupant Classification System con- 5. trol unit
- 7. Satellite sensor LH/RH
- 10. Passenger air bag module
- 13. Combination switch (spiral cable)
- A. Behind seatback center finisher

- 2. Curtain air bag module LH/RH
- Occupant Classification System seat 6. sensor mat
- Seat belt buckle switch (Driver side/ 9. Passenger side)
- 11. Crash zone sensor
- 14. Driver air bag module
- B. Behind headlining

- Side air bag module LH/RH
- 6. Seat belt pre-tensioner LH/RH
- Passenger air bag OFF indicator
- 12. Combination meter
- 15. Front door satellite sensor LH/RH
- C. Passenger seat

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[COUPE (EXCEPT FOR MEXICO)]

- D. Behind rear side finisher E. Behind glove box assembly F. Radiator core support assembly
- G. View with steering wheel removed H. View with front door finisher removed

Component Description

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Component	Function	
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module 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-tensioner.	
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 Classification 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 bag 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 Classification System.	
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.	
Front door satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.	

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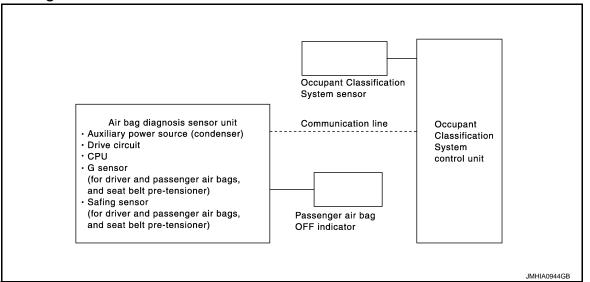
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OCCUPANT CLASSIFICATION SYSTEM

System Diagram

INFOID:0000000011294227



System Description

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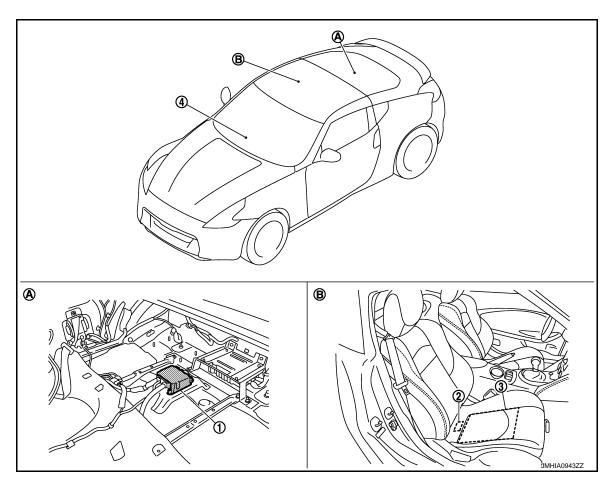
Occupant Classification System has the following functions.

- Suppresses the deployment of passenger air bag when front passenger seat is empty, or when occupied by child and child-seat.
- Turns on passenger air bag OFF indicator when front passenger seat is occupied by child-seat and child.
- Indicates malfunction portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunctioning record via CONSULT.

Status (passenger seat)	Passenger air bag	Passenger air bag OFF indicator	Air bag warning lamp
Empty	Suppress	OFF	OFF
Child/child-seat	Suppress	ON	OFF
Adult	Enable to deploy	OFF	OFF
Malfunction	Suppress	ON	Blinking

Component Parts Location

INFOID:0000000011294229



- 1. Air bag diagnosis sensor unit
- 2. Occupant Classification System control unit
- 3. Occupant Classification System seat sensor mat

- Passenger air bag OFF indicator
- A. Behind seatback center finisher B. Passenger seat

Component Description

INFOID:0000000011294230

Component parts	Outline of function
Occupant Classification System seat sensor mat	Detects if the passenger seat is empty or occupied. It is integrated into the seat cushion and detects the occupants with occupant classification system control unit that classifies the occupants.
Occupant Classification System control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit. It is installed in the passenger seat cushion.
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the front passenger seat is occupied by a child or a child-seat

Revision: 2014 September SRC-19 2015 370Z

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[COUPE (EXCEPT FOR MEXICO)]

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

INFOID:0000000011294231

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.

Diagnosis with Air Bag Warning Lamp

INFOID:0000000011294232

SELF DIAGNOSIS FUNCTION

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

- USER MODE
- DIAGNOSIS MODE

METHOD OF STARTING

- User mode is a mode for ordinary use. When a malfunction of SRS air bag is detected, SRS air bag warning lamp blinks to warn the user.
- Diagnosis mode enables malfunctioning system to be checked according to the number of blinks.
- User mode or Diagnosis mode changes from 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, SRS air bag warning lamp may turn ON after ignition switch operation more than 7 seconds, but it is possible to change the status from diagnosis mode to user mode by ignition switch operation after 7 seconds.
- When multiple systems malfunction is detected, all of the malfunctions are displayed in Diagnosis mode.

Procedure to Change Diagnosis Mode

- 1. Turn ignition switch from OFF to ON.
- SRS air bag lamp turns ON for 7 seconds, then turn ignition switch OFF within 2 seconds 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.

CAUTION:

- In Diagnosis mode, if the system is normal and "PAST" of "Self Diagnostic Result" is indicated, always perform "ERASE" of "Self Diagnostic Result" using CONSULT.
- When "ERASE" of "Self Diagnostic Result" is performed using CONSULT, the mode changes automatically from Diagnosis mode to User mode.

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

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

Air Bag Warning Lamp Examples

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Air bag warning lamp operation (user mode)	SRS condition	Reference item
OFF 7 sec.	 No malfunction is detected No further action is necessary 	Change to Diagnosis mode is not possible when the system is normal.
IGN ON 7 sec. 0.5 sec. 0.5 sec. SHIA0012E	The system is malfunctioning	Refer to SRC-25, "CONSULT Function" or "DIAGNOSIS MODE"
STIFACO IZE	Air bag is deployed Seat belt pre-tensioner is deployed	Refer to SRC-70, "Diagnosis Procedure", SRC-71, "Diagnosis Procedure"
IGN ON DFF	Air bag diagnosis sensor unit is mal- functioning Air bag power supply circuit is mal- functioning Air bag warning lamp circuit is mal- functioning	Refer to SRC-96, "Diagnosis Procedure"
SHIA0013E	Battery voltage is low (less than 9 V, or 16 V or more)	Refer to "BATTERY LOW VOLTAGE DETECTION" or "BATTERY HIGH VOLTAGE DETECTION"
IGN ON ON OFF	 Air bag diagnosis sensor unit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Refer to SRC-97, "Diagnosis Procedure"
SHIA0014E		

Occurrence of Intermittent Malfunction

Air bag warning lamp blinks in user mode when an intermittent malfunction occurs. Air bag warning lamp turns OFF when system returns to normal status.

Battery Low Voltage Detection

Air bag diagnosis sensor unit warns the driver by turning air bag warning lamp ON when air bag diagnosis sensor unit detects battery low voltage. Air bag warning lamp turns ON when a voltage value at which air bag diagnosis sensor unit cannot operate normally (9 V or less) is detected for 10 seconds or more. After starting to turn ON, air bag warning lamp turns OFF when air bag diagnosis sensor unit detects the normal value of battery voltage for 10 seconds or more.

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

[COUPE (EXCEPT FOR MEXICO)]

The mode cannot be switched to diagnosis mode by ignition switch while air bag warning lamp turns ON due to this cause.

Battery High Voltage Detection

Air bag diagnosis sensor unit warns the driver by turning air bag warning lamp ON when air bag diagnosis sensor unit detects battery low voltage. Air bag warning lamp turns ON when a voltage value at which air bag diagnosis sensor unit cannot operate normally (16 V or more) is detected for 3 seconds or more. After starting to turn ON, air bag warning lamp turns OFF when air bag diagnosis sensor unit detects the normal value of battery voltage for 3 seconds or more.

The mode cannot be switched to diagnosis mode by ignition switch while air bag warning lamp turns ON due to this cause.

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

- 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 4 blinking patterns for the air bag warning lamp as per the following items.

- Front air bag system: Two 1.5 second blinks followed by a 0.5 second blink repeated.
- Side air bag system: Three 1.5 second blinks followed by a 0.5 second blink repeated.
- Air bag control unit system: 3 second blink followed by a 0.5 second blink repeated.
- Sensor system: Two 3 second blinks followed by a 0.5 second blink repeated.

Air bag control unit system		
Number of 0.5 second blinks	Malfunctioning items	
1	Collision detection	
2	Air bag diagnosis sensor unit	
3	Front passenger air bag indicator	
4	Occupant classification system control unit	
Sensor system		
Number of 0.5 second blinks	Malfunctioning items	
1	Crash zone sensor	
2	Satellite sensor LH	
3	Satellite sensor RH	
6	Front door satellite sensor LH or RH	
7	Front door satellite sensor RH	
12	Satellite sensor	
Front air bag system		
Number of 0.5 second blinks	Malfunctioning items	
1	Driver air bag module	
2	Passenger air bag module	
3	Seat belt pre-tensioner LH	
4	Seat belt pre-tensioner RH	
Side air bag system		
Number of 0.5-second blinks	Malfunctioning items	
1	Side air bag module LH	
2	Side air bag module RH	
3	Curtain air bag module LH	
4	Curtain air bag module RH	

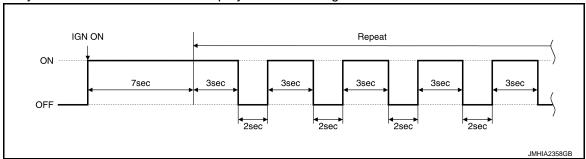
How to Erase Self-diagnostic Result

After completing the indicated repair, check the system condition in Diagnosis mode and perform "ERASE" of "Self Diagnostic Result" using CONSULT.

EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

System Normal

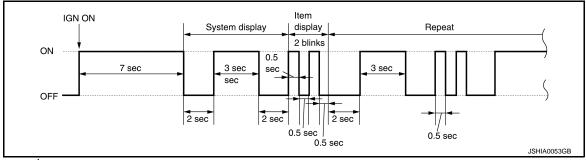
When the system is normal and "PAST" displayed in "Self Diagnostic Result".



Single System Malfunction

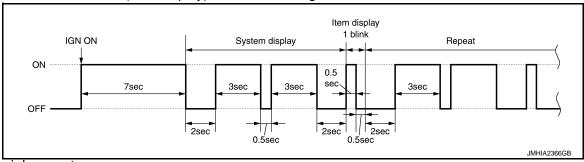
Air bag control unit system

When air bag diagnosis sensor unit (Item display) is malfunctioning.



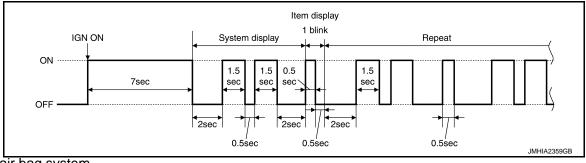
• Sensor system

When crash zone sensor (Item display) is malfunctioning.



Front air bag system

When driver air bag module (Item display) is malfunctioning.



Side air bag system

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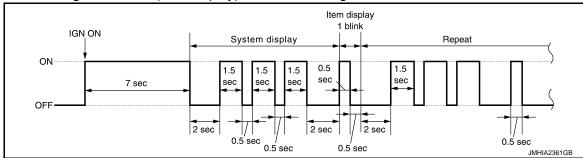
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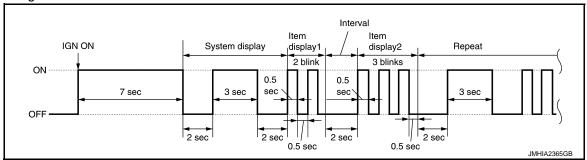
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When side air bag module LH (Item display) is malfunctioning.



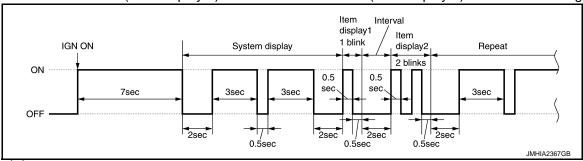
Multiple Systems Malfunction

Air bag control unit system
 When air bag diagnosis sensor unit (Item display 1) and passenger air bag indicator (Item display 2) are malfunctioning.



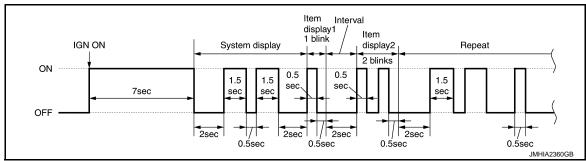
Sensor system

When crash zone sensor (Item display 1) and satellite sensor LH (Item display 2) are malfunctioning.



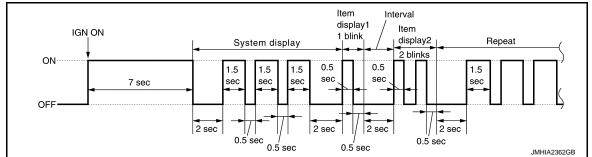
• Front air bag system

When driver air bag module (Item display 1) and passenger air bag module (Item display 2) are malfunctioning.



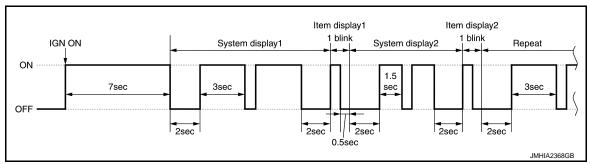
Side air bag system

When side air bag module LH (Item display 1) and side air bag module LH (Item display 2) are malfunctioning.



Sensor system and front air bag system

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



CONSULT Function

INFOID:0000000011294233

APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description	
Self Diagnostic Result	 Self-diagnosis result is displayed. "No DTC"is displayed when repair is completed by part replacement or other operations. "SELF-DIAG RESULT [MEMORY]" is displayed until "Erase"performed. 	
Data Monitor	This item is displayed, but cannot be supported.	
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.	
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT screen.	

SELF-DIAG RESULT

Refer to SRC-81, "DTC Index".

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[COUPE (EXCEPT FOR MEXICO)]

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description INFOID:0000000011319543

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart. Refer to LAN-26, "CAN System Specification Chart".

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC Detection Condition	Possible cause
U1000–01	CAN COMM CIRCUIT (CAN communication circuit)	When air bag diagnosis sensor unit cannot communicate CAN communication signal continuously for 2 seconds or more.	CAN communication system

Diagnosis Procedure

INFOID:0000000011319545

1. PERFORM SELF DIAGNOSTIC

- 1. Turn ignition switch ON and wait for 2 seconds or more.
- 2. Check "SELF-DIAG RESULT [CAN]".

Is DTC "U1000-01" displayed?

YES >> Refer to LAN-15, "Trouble Diagnosis Flow Chart".

NO >> Refer to GI-44, "Intermittent Incident".

U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

U1010 CONTROL UNIT (CAN)

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC Detection Condition	Possible cause
U1010–49	CONTROL UNIT (CAN) [Control unit (CAN)]	Air bag diagnosis sensor unit detected internal CAN communication circuit malfunction.	Air bag diagnosis sensor unit

Diagnosis Procedure

INFOID:0000000011319547

1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC "U1010-49" is detected, replace Air bag diagnosis sensor unit.

>> Replace Air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".

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B0001 DRIVER AIR BAG MODULE

DTC Logic INFOID:000000011319548

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0001-00 B0001-09		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	Connection malfunction or short circuit of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0001–11		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0001–12	DRIVER AIRBAG MODULE [Driver Frontal Stage 1 Deployment Control (Subfault)]	[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0001-13		[OPEN]	Driver air bag module cir- cuit is open (including the spiral cable)	Connection malfunction or open circuit of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0001–1A		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	Connection malfunction or short circuit of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(II) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

N Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-20, "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-28</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319549

WARNING:

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

B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

· 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 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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0001-13]>>GO TO 4.

[B0001-12]>>GO TO 8.

[B0001-11]>>GO TO 5.

[B0001-00, B0001-09, B0001-1A]>> GO TO 6.

f 4.CHECK SPIRAL CABLE CIRCUIT 1

1. Turn ignition switch OFF.

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

3. Check continuity between combination switch (spiral cable) terminals.

Terminal		Continuity
10	28	
11	30	Existed
9		
12	29	

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14</u>, "Removal and Installation".

5. CHECK SPIRAL CABLE CIRCUIT 2

Turn ignition switch OFF.

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

Combination sw	ritch (spiral cable)		Continuity
Connector	Terminal		Continuity
M302	10	Ground	Not existed
	11		
M204	9		
M301	12		

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14</u>, "Removal and Installation".

6. CHECK SPIRAL CABLE CIRCUIT 3

1. Turn ignition switch OFF.

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B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

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

Terr	Continuity		
10	11	Not existed	
9	12 Not existed		

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Removal and Installation"</u>.

7.CHECK SPIRAL CABLE CIRCUIT $_4$

Check continuity between combination switch (spiral cable) terminals.

Terr	Continuity	
28	30	Not existed
29	30	NOT EXISTED

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Removal and Installation"</u>.

$8.\mathtt{REPLACE}$ COMBINATION SWITCH (SPIRAL CABLE)

- 1. Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-28, "DTC Logic".

Is DTC detected?

YES >> GO TO 9.

NO >> INSPECTION END

9. REPLACE DRIVER AIR BAG MODULE

- Replace driver air bag module. Refer to <u>SR-11, "Removal and Installation"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-28, "DTC Logic".

Is DTC detected?

YES >> GO TO 10.

NO >> INSPECTION END

10.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-28, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B0002 DRIVER AIR BAG MODULE

DTC Logic INFOID:0000000011319550

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0002-00		[SHORT]	Driver eir beg medule eir	Connection malfunction or short circuit of harness and connector
B0002-09		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0002-11		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0002-12	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Subfault)]	[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0002-13		[OPEN]	Driver air bag module cir- cuit is open (including the spiral cable)	Connection malfunction or open circuit of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit
B0002–1A		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	Connection malfunction or short circuit of harness and connector Internal malfunction of driver air bag module Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "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-31</u>, "<u>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.)

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INFOID:0000000011319551

B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

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.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0002-13]>>GO TO 4.

[B0002-12]>>GO TO 8.

[B0002-11]>>GO TO 5.

[B0002-00, B0002-09, B0002-1A]>> GO TO 6.

4. CHECK SPIRAL CABLE CIRCUIT 1

- 1. Turn ignition switch OFF.
- Disconnect driver air bag module harness connector and combination switch (spiral cable) harness connector.
- 3. Check continuity between combination switch (spiral cable) terminals.

Terminal		Continuity
10	28	Existed
11	30	
9		
12	29	

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14</u>, "Removal and Installation".

5. CHECK SPIRAL CABLE CIRCUIT 2

- Turn ignition switch OFF.
- Disconnect driver air bag module harness connector and combination switch (spiral cable) harness connector.
- Check continuity between combination switch (spiral cable) and ground.

Combination sw	itch (spiral cable)		Continuity
Connector	Terminal		Continuity
M302	10	Ground	Not existed
IVI302	11		
M301	9		
IVIOUT	12		

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Removal and Installation"</u>.

6. CHECK SPIRAL CABLE CIRCUIT 3

1. Turn ignition switch OFF.

B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

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

Terr	Continuity		
10	11	Not existed	
9	12	Not existed	

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Removal and Installation"</u>.

7.CHECK SPIRAL CABLE CIRCUIT $_4$

Check continuity between combination switch (spiral cable) terminals.

Terr	Continuity	
28	30	Not existed
29	30	Not existed

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14</u>, "Removal and Installation".

8.REPLACE COMBINATION SWITCH (SPIRAL CABLE)

- 1. Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-31, "DTC Logic".

Is DTC detected?

YES >> GO TO 9.

NO >> INSPECTION END

9. REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to SR-11, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-31, "DTC Logic".

Is DTC detected?

YES >> GO TO 10.

NO >> INSPECTION END

10.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "<u>COUPE</u>: <u>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

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[COUPE (EXCEPT FOR MEXICO)]

B0010 PASSENGER AIR BAG MODULE

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B0010-09		[SHORT]	Passenger air bag module circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0010-11		[GND-SHORT]	Passenger air bag module circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0010-12	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Subfault)]	[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0010-13		[OPEN]	Passenger air bag module circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0010–1A		[SHORT]	Passenger air bag module circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Nithout CONSULT
- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-20, "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-34</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319553

WARNING:

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

B0010 PASSENGER AIR BAG MODULE < DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEPT FOR MEXIC	CO)]
Never use unspecified tester or other measuring device.	
1.CHECK HARNESS CONNECTOR	А
Check the harness connector.	
Is the inspection result normal?	В
YES >> GO TO 2.	
NO >> Replace harness connector.	
2.CHECK WIRING HARNESS	C
Check the wiring harness externals.	
Is the inspection result normal? YES >> GO TO 3.	D
NO >> Replace wiring harness.	
3. REPLACE PASSENGER AIR BAG MODULE	Е
Replace passenger air bag module. Refer to <u>SR-17, "Removal and Installation"</u>	
2. Perform DTC confirmation procedure. Refer to SRC-34, "DTC Logic".	
Is DTC detected?	F
YES >> GO TO 4. NO >> INSPECTION END	
4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	G
Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u> , " <u>COUPE</u> : <u>Removal and Installation</u> ".	
 Replace all bag diagnosis sensor drift. Refer to <u>SRC-27, COOPE. Removal and Installation</u>. Perform DTC confirmation procedure. Refer to <u>SRC-34, "DTC Logic"</u>. 	
Is DTC detected?	SRO
YES >> GO TO 1.	
NO >> INSPECTION END	
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[COUPE (EXCEPT FOR MEXICO)]

B0011 PASSENGER AIR BAG MODULE

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0011-09	ASSIST A/B MODULE 2 [Passenger Frontal Stage 2 Deployment Control (Sub- fault)]	[SHORT]	Passenger air bag module circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0011–11		[GND-SHORT]	Passenger air bag module circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0011–12		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0011–13		[OPEN]	Passenger air bag module circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
B0011-1A		[SHORT]	Passenger air bag module circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Nithout CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-20, "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-36</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319555

WARNING:

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

B0011 PASSENGER AIR BAG MODULE	
< DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEPT FOR MEXICO)]	<u>)]</u>
Never use unspecified tester or other measuring device.	_
1.CHECK HARNESS CONNECTOR	Α
Check the harness connector.	_
Is the inspection result normal?	В
YES >> GO TO 2. NO >> Replace harness connector.	
2.CHECK WIRING HARNESS	С
Check the wiring harness externals.	_
Is the inspection result normal?	
YES >> GO TO 3.	D
NO >> Replace wiring harness.	
3.REPLACE PASSENGER AIR BAG MODULE	Е
Replace passenger air bag module. Refer to <u>SR-17, "Removal and Installation"</u> Perform PTC confirmation precedure. Refer to <u>SRC 36, "RTC Logic"</u>	
 Perform DTC confirmation procedure. Refer to <u>SRC-36, "DTC Logic"</u>. Is <u>DTC detected?</u> 	F
YES >> GO TO 4.	Г
NO >> INSPECTION END	
4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	G
 Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "<u>COUPE</u>: <u>Removal and Installation</u>". Perform DTC confirmation procedure. Refer to <u>SRC-36</u>, "<u>DTC Logic</u>". <u>Is DTC detected?</u> YES >> GO TO 1. NO >> INSPECTION END 	SRC
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[COUPE (EXCEPT FOR MEXICO)]

B0020 SIDE AIR BAG MODULE

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0020-09	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[SHORT]	Side air bag module LH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of side air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0020-11		[GND-SHORT]	Side air bag module LH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of side air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0020-12		[VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of side air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0020–13		[OPEN]	Side air bag module LH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of side air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0020–1A		[SHORT]	Side air bag module LH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of side air bag module LH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(II) With CONSULT

- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-20, "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-38</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319557

WARNING:

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

B0020 SIDE AIR BAG MODULE < DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEPT FOR MEXIC	;O)]
Never use unspecified tester or other measuring device.	
1. CHECK HARNESS CONNECTOR	А
Check the harness connector. <u>Is the inspection result normal?</u>	
YES >> GO TO 2.	В
NO >> Replace harness connector.	
2. CHECK WIRING HARNESS	С
Check the wiring harness externals.	
Is the inspection result normal?	
YES >> GO TO 3.	D
NO >> Replace wiring harness.	
3.REPLACE SIDE AIR BAG MODULE	Е
1. Replace side air bag module LH. Refer to <u>SE-89, "SEATBACK: Disassembly and Assembly"</u> .	
2. Perform DTC confirmation procedure. Refer to SRC-38, "DTC Logic".	_
<u>Is DTC detected?</u> YES >> GO TO 4.	F
NO >> INSPECTION END	
4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	G
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal and Installation"</u> .	
 Perform DTC confirmation procedure. Refer to <u>SRC-38, "DTC Logic"</u>. 	SRO
Is DTC detected?	Sixe
YES >> GO TO 1. NO >> INSPECTION END	
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B0021 CURTAIN AIR BAG MODULE

DTC Logic INFOID:000000011319558

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0021-09	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[SHORT]	Curtain air bag module LH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of curtain air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0021-11		[GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of curtain air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0021–12		[VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of curtain air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0021–13		[OPEN]	Curtain air bag module LH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of curtain air bag module LH Internal malfunction of air bag diagnosis sensor unit
B0021–1A		[SHORT]	Curtain air bag module LH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of curtain air bag module LH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-20, "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-40</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319559

WARNING:

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

DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEP)	T FOR MEXICO)]
Never use unspecified tester or other measuring device.	
.CHECK HARNESS CONNECTOR	
Check the harness connector.	
s the inspection result normal?	
YES >> GO TO 2.	
NO >> Replace harness connector.	
2.check wiring harness	
Check the wiring harness externals.	_
s the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace wiring harness.	
3.REPLACE CURTAIN AIR BAG MODULE	
. Replace curtain air bag module LH. Refer to <u>SR-19, "Removal and Installation"</u>	
Perform DTC confirmation procedure. Refer to SRC-40, "DTC Logic".	
s DTC detected? YES >> GO TO 4.	
NO >> INSPECTION END	
REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
	ation"
Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal and Installa</u>	<u> </u>
Perform DTC confirmation procedure. Refer to SRC-40, "DTC Logic".	
· · · · · · · · · · · · · · · · · · ·	
. Perform DTC confirmation procedure. Refer to <u>SRC-40, "DTC Logic"</u> . <u>S DTC detected?</u> YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
SDTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
SDTC detected? YES >> GO TO 1.	
SDTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	
S DTC detected? YES >> GO TO 1.	

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B0028 SIDE AIR BAG MODULE

DTC Logic INFOID:000000011319560

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0028-09		[SHORT]	Side air bag module RH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of side air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0028–11		[GND-SHORT]	Side air bag module RH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of side air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0028–12	SIDE A/B MODULE RH [Right Side Airbag Deploy- ment Control 1 (Subfault)]	[VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of side air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0028-13		[OPEN]	Side air bag module RH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of side air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0028–1A		[SHORT]	Side air bag module RH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of side air bag module RH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(II) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-20, "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-42</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319561

WARNING:

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

B0028 SIDE AIR BAG MODULE < DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEPT FOR MEXIC	O)]
Never use unspecified tester or other measuring device.	<u> </u>
1.check harness connector	Α
Check the harness connector.	
Is the inspection result normal?	В
YES >> GO TO 2.	D
NO >> Replace harness connector.	
2.CHECK WIRING HARNESS	С
Check the wiring harness externals.	
Is the inspection result normal?	D
YES >> GO TO 3.	D
NO >> Replace wiring harness.	
3.REPLACE SIDE AIR BAG MODULE	E
 Replace side air bag module RH. Refer to <u>SE-89, "SEATBACK : Disassembly and Assembly"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-42, "DTC Logic"</u>. 	
Is DTC detected?	F
YES >> GO TO 4.	1
NO >> INSPECTION END	
4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	G
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u> , "COUPE: Removal and Installation".	
2. Perform DTC confirmation procedure. Refer to SRC-42, "DTC Logic".	SRC
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	
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B0029 CURTAIN AIR BAG MODULE

DTC Logic INFOID:000000011319562

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0029-09		[SHORT]	Curtain air bag module RH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of curtain air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0029–11		[GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of curtain air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0029–12	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of curtain air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0029–13		[OPEN]	Curtain air bag module RH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of curtain air bag module RH Internal malfunction of air bag diagnosis sensor unit
B0029–1A		[SHORT]	Curtain air bag module RH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of curtain air bag module RH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-20, "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-44</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319563

WARNING:

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

B0029 CURTAIN AIR BAG MODULE < DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEPT FOR MEXICO)]	
Never use unspecified tester or other measuring device.	
1. CHECK HARNESS CONNECTOR	/
Check the harness connector.	
Is the inspection result normal?	Е
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.	L
NO >> Replace wiring harness.	
3. REPLACE CURTAIN AIR BAG MODULE	Е
Replace curtain air bag module RH. Refer to <u>SR-19</u> , "Removal and Installation"	
2. Perform DTC confirmation procedure. Refer to SRC-44, "DTC Logic".	
Is DTC detected? YES >> GO TO 4.	F
NO >> INSPECTION END	
4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal and Installation"</u> .	
 Perform DTC confirmation procedure. Refer to SRC-44, "DTC Logic". 	
Is DTC detected?	SI
YES >> GO TO 1.	
NO >> INSPECTION END	
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B0091 SATELLITE SENSOR

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0091–11		[GND-SHORT]	Satellite sensor LH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–23		[LOWER LIMIT ERR]	Lower limit value malfunction of satellite sensor LH	Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–24		[UPPER LIMIT ERR]	Upper limit value malfunction of satellite sensor LH	Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–25	B-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 ([Subfault)]	[SELF-DIAG ERR]	Diagnosis malfunction of satellite sensor LH	Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–28		[OFFSET ERR]	Offset malfunction of satellite sensor LH	Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–81		[COMM ERR]	Communication malfunction of satellite sensor LH	 Connection malfunction of harness or connector Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–86		[UNMATCH]	Satellite sensor LH is out of the specified specification	Air bag diagnosis sensor unit and satellite sensor LH is different from the part specified
B0091–88		[OPEN]	Satellite sensor LH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0091–93		[RESET]	Reset malfunction of satellite sensor LH	Connection malfunction of harness or connector Internal malfunction of satellite sensor LH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.

^{2.} Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

B0091 SATELLITE SENSOR

B0091 SATELLITE SENS	
< DTC/CIRCUIT DIAGNOSIS >	[COUPE (EXCEPT FOR MEXICO)]
Without CONSULT	
 Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-20</u>, "<u>Diagn</u> 	osis with Air Bag Warning Lamp".
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is detected	l in the user mode.
<u>Is malfunctioning part detected?</u> YES >> Refer to SRC-47. "Diagnosis Procedure".	
YES >> Refer to <u>SRC-47, "Diagnosis Procedure"</u> . NO >> INSPECTION END	
Diagnosis Procedure	INFOID:0000000011319565
WARNING:	D
 Before servicing, turn ignition switch OFF, disconnect battery 	
minutes or more. (To discharge backup capacitor.)	_
 Never use unspecified tester or other measuring device. 1.CHECK DTC 	E
Perform each inspection according to the displayed DTC. Which DTC is displayed?	F
Which DTC is displayed? [B0091–86] >> GO TO 4.	
Other than the above >> GO TO 2.	
2. CHECK HARNESS CONNECTOR	G
Check the harness connector.	
Is the inspection result normal?	SF
YES >> GO TO 3.	_
NO >> Replace harness connector.	1
3. CHECK WIRING HARNESS	
Check the wiring harness externals. Is the inspection result normal?	
YES >> GO TO 4.	J
NO >> Replace wiring harness.	
4.REPLACE SATELLITE SENSOR	K
1. Replace satellite sensor LH. Refer to SR-25, "Removal and Insta	allation".
2. Perform DTC confirmation procedure. Refer to SRC-46, "DTC Lo	<u>ogic"</u> .
Is DTC detected?	L
YES >> GO TO 5. NO >> INSPECTION END	
5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	N
Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u> , "COUPE	· Removal and Installation"
 Perform DTC confirmation procedure. Refer to <u>SRC-46. "DTC Lo</u> 	
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	
INO >> INSPECTION EIND	С

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B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B0093-11	(Trouble diagnosis	[GND-SHORT]	Front door satellite sensor LH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093-23		[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH	Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093-24		[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH	Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093-25	DOOR SATEL SENS LH [Left Side Restraints Sensor 3 (Subfault)]	[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor LH	Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093-28		[OFFSET ERR]	Offset malfunction of front door satellite sensor LH	Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093-81		[COMM ERR]	Communication malfunction of front door satellite sensor LH	Connection malfunction of harness or connector Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093-86		[UNMATCH]	Front door satellite sensor LH is out of the specified specification	Air bag diagnosis sensor unit and front door satellite sensor LH is different from the part specified
B0093-88		[OPEN]	Front door satellite sensor LH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit
B0093–93		[RESET]	Reset malfunction of front door satellite sensor LH	Connection malfunction of harness or connector Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.

^{2.} Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

B0093 FRONT DOOR SATELLITE SENSOR LH

B0093 FRONT DOOR SATEL	
< DTC/CIRCUIT DIAGNOSIS >	[COUPE (EXCEPT FOR MEXICO)]
Without CONSULT	
 Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-20,</u> ' 	'Diagnosis with Air Bag Warning Lamp"
NOTE:	
SRS does not enter the diagnosis mode if no malfunction is de	tected in the user mode.
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-49, "Diagnosis Procedure"</u> . NO >> INSPECTION END	
Diagnosis Procedure	INFOID:000000011319567
WA DAUNG.	D
WARNING:Before servicing, turn ignition switch OFF, disconnect b	_
minutes or more. (To discharge backup capacitor.)	
• Never use unspecified tester or other measuring device.	E
1.CHECK DTC	
Perform each inspection according to the displayed DTC.	F
Which DTC is displayed?	·
[B0093–86] >> GO TO 4. Other than the above >> GO TO 2.	
2.CHECK HARNESS CONNECTOR	G
Check the harness connector.	<u></u>
Is the inspection result normal?	SR
YES >> GO TO 3.	
NO >> Replace harness connector.	
3.CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal?	J
YES >> GO TO 4. NO >> Replace wiring harness.	
4.REPLACE FRONT DOOR SATELLITE SENSOR LH	K
Replace front door satellite sensor LH. Refer to <u>SR-25</u> , "Refer	
 Replace from door sateline sensor En. Refer to SRC-48, "E 	
Is DTC detected?	L
YES >> GO TO 5.	
NO >> INSPECTION END	M
5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	OUDE D
 Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "Confirmation procedure. Refer to <u>SRC-48</u>, "Example of the sensor unit. Refer to <u>SRC-48</u>, "Example of the sensor unit. Refer to <u>SRC-48</u>, "Example of the sensor unit. Refer to <u>SRC-48</u>, "Example of the sensor unit." 	TC Logic"
Is DTC detected?	N
YES >> GO TO 1.	
NO >> INSPECTION END	0

B0094 CRASH ZONE SENSOR

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosi		DTC detecting condition	Possible cause
B0094–11		[GND-SHORT]	Crash zone sensor circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–23		[LOWER LIMIT ERR]	Lower limit value malfunction of Crash zone sensor	Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–24		[UPPER LIMIT ERR]	Upper limit value malfunction of Crash zone sensor	Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–25		[SELF-DIAG ERR]	Diagnosis malfunction of Crash zone sensor	Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–28	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[OFFSET ERR]	Offset malfunction of Crash zone sensor	Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–81		[COMM ERR]	Communication malfunction of Crash zone sensor	Connection malfunction of harness or connector Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–86		[UNMATCH]	Crash zone sensor is out of the specified specification	Air bag diagnosis sensor unit and Crash zone sensor is different from the part specified
B0094–88		[OPEN]	Crash zone sensor circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit
B0094–93		[RESET]	Reset malfunction of Crash zone sensor	Connection malfunction of harness or connector Internal malfunction of Crash zone sensor Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.

^{2.} Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

B0094 CRASH ZONE SENSOR

B0094 CRASH ZONE SE	NSOR
< DTC/CIRCUIT DIAGNOSIS >	[COUPE (EXCEPT FOR MEXICO)]
Without CONSULT	_
 Turn ignition switch ON. Check the air bag warning lamp status. Refer to <u>SRC-20</u>, "Diag 	anosis with Air Poa Warning Lamp"
NOTE:	gnosis with All bag Warning Lamp.
SRS does not enter the diagnosis mode if no malfunction is detected	ed in the user mode.
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-51, "Diagnosis Procedure"</u> . NO >> INSPECTION END	
Diagnosis Procedure	INFOID:0000000011319569
WARNING:	
Before servicing, turn ignition switch OFF, disconnect batte	ery negative terminal, and wait at least 3
minutes or more. (To discharge backup capacitor.)	
Never use unspecified tester or other measuring device.	
1.CHECK DTC	
Perform each inspection according to the displayed DTC.	
Which DTC is displayed?	
[B0094–86] >> GO TO 4. Other than the above >> GO TO 2.	
2.CHECK HARNESS CONNECTOR	
Check the harness connector.	
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace harness connector.	
3.CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal?	
YES >> GO TO 4.	
NO >> Replace wiring harness.	
4.REPLACE CRASH ZONE SENSOR	
 Replace crash zone sensor. Refer to <u>SR-23, "Removal and Ins</u> Perform DTC confirmation procedure. Refer to <u>SRC-50, "DTC</u> 	
Is DTC detected?	<u>Logic</u> .
YES >> GO TO 5.	
NO >> INSPECTION END	
5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUF	
2. Perform DTC confirmation procedure. Refer to <u>SRC-50, "DTC</u>	Logic".
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	
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B0096 SATELLITE SENSOR

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosi		DTC detecting condition	Possible cause
B0096-11	, J	[GND-SHORT]	Satellite sensor RH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096-23		[LOWER LIMIT ERR]	Lower limit value malfunction of satellite sensor RH	Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096-24		[UPPER LIMIT ERR]	Upper limit value malfunction of satellite sensor RH	Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096–25		[SELF-DIAG ERR]	Diagnosis malfunction of satellite sensor RH	Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096–28	B-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[OFFSET ERR]	Offset malfunction of satellite sensor RH	Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096-81		[COMM ERR]	Communication malfunction of satellite sensor RH	 Connection malfunction of harness or connector Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096-86		[UNMATCH]	Satellite sensor RH is out of the specified specification	Air bag diagnosis sensor unit and satellite sensor RH is different from the part specified
B0096-88		[OPEN]	Satellite sensor RH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0096–93		[RESET]	Reset malfunction of satellite sensor RH	Connection malfunction of harness or connector Internal malfunction of satellite sensor RH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.

2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

B0096 SATELLITE SENSOR

B0096 SATELLITE SENSOR	
< DTC/CIRCUIT DIAGNOSIS > [COUPE (E	EXCEPT FOR MEXICO)]
Without CONSULT	
1. Turn ignition switch ON.	
 Check the air bag warning lamp status. Refer to <u>SRC-20, "Diagnosis with Air BandTE:</u> 	ag vvarning Lamp".
SRS does not enter the diagnosis mode if no malfunction is detected in the user mo	ode.
Is malfunctioning part detected?	L
YES >> Refer to <u>SRC-53</u> , " <u>Diagnosis Procedure</u> ".	
NO >> INSPECTION END	(
Diagnosis Procedure	INFOID:000000011319571
WARNING:	[
Before servicing, turn ignition switch OFF, disconnect battery negative terr	ninal, and wait at least 3
minutes or more. (To discharge backup capacitor.)	
Never use unspecified tester or other measuring device.	E
1.CHECK DTC	
Perform each inspection according to the displayed DTC.	ı
Which DTC is displayed?	
[B0096–86] >> GO TO 4. Other than the above >> GO TO 2.	
2.CHECK HARNESS CONNECTOR	(
Check the harness connector.	C
Is the inspection result normal?	S
YES >> GO TO 3. NO >> Replace harness connector.	
3. CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal?	
YES >> GO TO 4.	,
NO >> Replace wiring harness.	
4. REPLACE SATELLITE SENSOR	
1. Replace satellite sensor RH. Refer to <u>SR-25</u> , "Removal and Installation".	_
2. Perform DTC confirmation procedure. Refer to SRC-52, "DTC Logic".	
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 SR-27, "COUPE: Removal and	d Installation".
2. Perform DTC confirmation procedure. Refer to SRC-52, "DTC Logic".	
Is DTC detected?	
YES >> GO TO 1. NO >> INSPECTION END	

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B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Logic INFOID:000000011319572

DTC DETECTION LOGIC

DTC	CONSULT scree		DTC detecting condition	Possible cause
B0098-11	(Trouble diagnosis	[GND-SHORT]	Front door satellite sensor RH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098–23		[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor RH	Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098-24		[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor RH	Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098-25		[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor RH	Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098–28	DOOR SATEL SENS RH [Left Side Restraints Sensor 3 (Subfault)]	[OFFSET ERR]	Offset malfunction of front door satellite sensor RH	Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098-81		[COMM ERR]	Communication malfunction of front door satellite sensor RH	Connection malfunction of harness or connector Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098-86		[UNMATCH]	Front door satellite sensor RH is out of the specified specification	Air bag diagnosis sensor unit and front door satellite sensor RH is different from the part specified
B0098-88		[OPEN]	Front door satellite sensor RH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit
B0098-93		[RESET]	Reset malfunction of front door satellite sensor RH	Connection malfunction of harness or connector Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.

2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

B0098 FRONT DOOR SATELLITE SENSOR RH

© Without CONSULT 1. Turn ignition switch ON. 2. Check the air bag warning lamp status. Refer to SRC-20. "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 SRC-55. "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 DTC Perform each inspection according to the displayed DTC. Which DTC is displayed? [B0098-86] >> GO TO 4. Other than the above >> GO TO 2. 2. CHECK HARNESS CONNECTOR Check the harness connector. Is the inspection result normal? YES >> GO TO 3. NO >> Replace harness externals. Is the inspection result normal? YES >> GO TO 3. NO >> Replace front door satellite sensor RH. Refer to SRC-54. "DTC Logic". 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 SRC-54. "DTC Logic". Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	B0098 FRONT DOOR SATELLIT	
7. Turn ignition switch ON. 2. Check the air bag warning lamp status. Refer to SRC-20, "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 SRC-55, "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 DTC Perform each inspection according to the displayed DTC. Which DTC is displayed? BE0098-86] >> GO TO 4. Other than the above >> GO TO 2. 2. CHECK HARNESS CONNECTOR Check the harness connector. Is the inspection result normal? YES >> GO TO 3. NO >> Replace harness connector. 3. CHECK WIRING HARNESS Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 4. NO >> Replace wiring harness. 4. REPLACE FRONT DOOR SATELLITE SENSOR RH 1. Replace front door satellite sensor RH. Refer to SR-25. "Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-25. "Bemoval and Installation". 1. Replace air bag diagnosis sensor unit. Refer to SR-27. "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-25. "DTC Logic". Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	< DTC/CIRCUIT DIAGNOSIS >	[COUPE (EXCEPT FOR MEXICO)]
2. Check the air bag warning lamp status. Refer to SRC-20. "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 SRC-55. "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 DTC Perform each inspection according to the displayed DTC. Which DTC is displayed? [B0098-86] >> GO TO 4. Other than the above >> GO TO 2. 2. CHECK HARNESS CONNECTOR Check the harness connector. Is the inspection result normal? YES >> GO TO 3. NO >> Replace harness connector. 3. CHECK WIRING HARNESS Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 4. NO >> Replace wiring harness. 4. REPLACE FRONT DOOR SATELLITE SENSOR RH 1. Replace front door satellite sensor RH. Refer to SR-25. "Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-25. "DTC Logic". Is DTC detected? YES >> GO TO 5. NO >> INSPECTION END NO SNESSECTION END INSPECTION END INSPECT		
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 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 DTC Perform each inspection according to the displayed DTC. Which DTC is displayed? [B0098-86] >> GO TO 4. Other than the above >> GO TO 2. 2. CHECK HARNESS CONNECTOR Check the harness connector. Is the inspection result normal? YES >> GO TO 3. NO >> Replace harness connector. 3. CHECK WIRING HARNESS Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 4. NO >> Replace wiring harness. 4. REPLACE FRONT DOOR SATELLITE SENSOR RH 1. Replace front door satellite sensor RH. Refer to SRC-54. "DTC Logic". Is DTC detected? YES >> GO TO 5. NO >> INSPECTION END NO SNESPECTION END In Replace air bag diagnosis sensor unit. Refer to SRC-54. "DTC Logic". SDTC detected? YES >> GO TO 1. NO SNESPECTION END		gnosis with Air Bag Warning Lamp".
Smalfunctioning part detected? YES >> Refer to SRC-55, "Diagnosis Procedure". NO >> INSPECTION END Diagnosis Procedure		ed in the user mode
YES >> Refer to SRC-55. "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 DTC Perform each inspection according to the displayed DTC. Which DTC is displayed? [B0098-86] >> GO TO 4. Other than the above >> GO TO 2. 2. CHECK HARNESS CONNECTOR Check the harness connector. Is the inspection result normal? YES >> GO TO 3. NO >> Replace harness connector. St. the inspection result normal? YES >> GO TO 4. NO >> Replace wiring harness. 4. REPLACE FRONT DOOR SATELLITE SENSOR RH 1. Replace front door satellite sensor RH. Refer to SR-25. "Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27. "COUPE: Removal and Installation". 1. Replace air bag diagnosis sensor unit. Refer to SR-27. "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-25. "DTC Logic". Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END	<u>~</u>	ed in the user mode.
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 DTC Perform each inspection according to the displayed DTC. Which DTC is displayed? [B0098-86] > GO TO 4. Other than the above >> GO TO 2. 2. CHECK HARNESS CONNECTOR Check the harness connector. Is the inspection result normal? YES >> GO TO 3. NO >> Replace harness connector. 3. CHECK WIRING HARNESS Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 4. NO >> Replace wiring harness. 4. REPLACE FRONT DOOR SATELLITE SENSOR RH 1. Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-25, "COUPE: Removal and Installation". 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation". 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27, "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27, "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27, "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27, "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27, "COUPE: Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SR-27, "COUPE: Removal and Installation". 3. Installation and Installation an	YES >> Refer to <u>SRC-55</u> , " <u>Diagnosis Procedure</u> ".	
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Is DTC detected? YES >> GO TO 1. NO >> INSPECTION END		
YES >> GO TO 1.	·	<u>Logio</u> .
NO >> INSPECTION END	YES >> GO TO 1.	
	NO >> INSPECTION END	

B0099 SATELLITE SENSOR

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screet (Trouble diagnosis		DTC detecting condition	Possible cause
B0099–11		[GND-SHORT]	satellite sensor circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099-23		[LOWER LIMIT ERR]	Lower limit value malfunction of satellite sensor	 Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099–24		[UPPER LIMIT ERR]	Upper limit value malfunction of satellite sensor	Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099–25		[SELF-DIAG ERR]	Diagnosis malfunction of satellite sensor	Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099–28	SATELLITE SENSOR [Roll Over Sensor (Subfault)]	[OFFSET ERR]	Offset malfunction of satellite sensor	Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099-81		[COMM ERR]	Communication malfunction of satellite sensor	 Connection malfunction of harness or connector Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099–86		[UNMATCH]	satellite sensor is out of the specified specification	Air bag diagnosis sensor unit and satellite sensor is different from the part speci- fied
B0099–88		[OPEN]	satellite sensor circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit
B0099–93		[RESET]	Reset malfunction of satellite sensor	Connection malfunction of harness or connector Internal malfunction of satellite sensor Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.

2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

B0099 SATELLITE SENSOR

B0099 SATELLITE SENSOR	
< DTC/CIRCUIT DIAGNOSIS > [COUPE (EXCEPT FOR MEXICO)]
Without CONSULT	
1. Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC 30. "Diagnosis with Air R	og Marning Lamp"
2. Check the air bag warning lamp status. Refer to SRC-20 , "Diagnosis with Air E NOTE:	<u>sag warning Lamp</u> .
SRS does not enter the diagnosis mode if no malfunction is detected in the user m	ode.
Is malfunctioning part detected?	
YES >> Refer to <u>SRC-57</u> , " <u>Diagnosis Procedure</u> ". NO >> INSPECTION END	
Diagnosis Procedure	INFOID:0000000011319575
WARNING:	
Before servicing, turn ignition switch OFF, disconnect battery negative ter To discharge backup aspector	minal, and wait at least 3
minutes or more. (To discharge backup capacitor.) • Never use unspecified tester or other measuring device.	
1.CHECK DTC	
Perform each inspection according to the displayed DTC.	,
Which DTC is displayed?	
[B0099–86] >> GO TO 4.	
Other than the above >> GO TO 2.	
2.check harness connector	
Check the harness connector.	
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Replace harness connector.	
3.CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal? YES >> GO TO 4.	
NO >> Replace wiring harness.	
4.REPLACE SATELLITE SENSOR	
Replace satellite sensor. Refer to <u>SR-25</u> , "Removal and Installation".	
2. Perform DTC confirmation procedure. Refer to <u>SRC-56, "DTC Logic"</u> .	
Is DTC detected?	
YES >> GO TO 5.	
NO >> INSPECTION END	
5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
 Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal an</u> Perform DTC confirmation procedure. Refer to <u>SRC-56, "DTC Logic"</u>. 	d Installation".
Is DTC detected?	
YES >> GO TO 1.	
NO >> INSPECTION END	

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

DTC Logic INFOID:0000000011319576

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B00A0-00	OCCUPANT SENS [Occupant Classification System (Subfault)]	[ABNORMAL VOLTAGE]	Power supply malfunction of occupant classification sensor	Connection malfunction or short circuit to power supply of harness or connector Internal malfunction of occupant classification sensor Internal malfunction of air bag diagnosis sensor unit
B00A0-02	System (Subradit)]	[UNIT MALFUNC]		Connection malfunction
B00A0-09		[UNIT MALFUNC]	Malfunction of occupant classification sensor	of harness and connector Internal malfunction of occupant classification sensor Internal malfunction of air bag diagnosis sensor unit
B00A0-04		[UNIT MALFUNC]	Malfunction of occupant classification sensor control unit	Connection malfunction or open circuit of harness and connector Internal malfunction of occupant classification sensor control unit Internal malfunction of air bag diagnosis sensor unit
B00A0-83		[COMM ERR]		Connection malfunction
B00A0-86		[COMM ERR]	Communication malfunction of oc-	or open circuit of harness and connector
B00A0-87		[COMM ERR]	cupant classification sensor con-	Internal malfunction of oc-
B00A0-88	OCCUPANT SENS C/U [Occupant Classification	[COMM ERR]	trol unit Communication blank of occupant classification sensor control unit	cupant classification sensor control unit Internal malfunction of air bag diagnosis sensor unit
B00A0-8F	System (Subfault)]	[UNDEFINED]	Undefined status of occupant classification sensor control unit	Connection malfunction or open circuit of harness and connector Internal malfunction of occupant classification sensor control unit Internal malfunction of air bag diagnosis sensor unit
B00A0-93		[RESET]	Reset malfunction of occupant classification sensor control unit	Connection malfunction of harness and connector Internal malfunction of occupant classification sensor control unit Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

SRC-58 Revision: 2014 September 2015 370Z

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

[COUPE (EXCEPT FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS > Without CONSULT Α Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-20, "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-59</u>, "<u>Diagnosis Procedure</u>". NO >> INSPECTION END Diagnosis Procedure INFOID:000000001131957 **WARNING:** D 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. Е 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 SRC Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 3. NO >> Replace wiring harness. 3.replace occupant classification system control unit Replace occupant classification system. Refer to SR-32, "Removal and Installation". Perform DTC confirmation procedure. Refer to SRC-58, "DTC Logic". Is DTC detected? K YES >> GO TO 4. NO >> INSPECTION END $oldsymbol{4}.$ REPLACE OCCUPANT CLASSIFICATION SYSTEM SEAT SENSOR Replace seat cushion frame. Refer to SE-94, "SEAT CUSHION: Disassembly and Assembly". Perform DTC confirmation procedure. Refer to SRC-58, "DTC Logic". Is DTC detected? M YES >> GO TO 5. NO >> INSPECTION END ${f 5}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT N Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation". Perform DTC confirmation procedure. Refer to SRC-58, "DTC Logic". Is DTC detected? YES >> GO TO 1. >> INSPECTION END NO Р

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B00D5-04		[UNIT MALFUNC]	Malfunction of passenger air bag indicator circuit	Connection malfunction of harness and connector Internal malfunction of passenger air bag indicator Internal malfunction of air bag diagnosis sensor unit
B00D5-11		[GND-SHORT]	Passenger air bag indicator circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of passenger air bag indicator Internal malfunction of air bag diagnosis sensor unit
B00D5–12	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Subfault)]	[VB-SHORT]	Passenger air bag indicator circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of passenger air bag indicator Internal malfunction of air bag diagnosis sensor unit
B00D5-13		[OPEN]	Passenger air bag indicator circuit is open	 Connection malfunction or open circuit of harness and connector Internal malfunction of passenger air bag indicator Internal malfunction of air bag diagnosis sensor unit
B00D5-15		[PWR-SHORT/ OPEN]	Short circuit to power supply and open circuit of passen- ger air bag indicator circuit	Connection malfunction or short circuit to power supply or open circuit of harness or connector Internal malfunction of passenger air bag indicator Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- N Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-20, "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-60</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319579

WARNING:

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

C BTC/CIRCOTT BIAGNOSIS >	/1
 Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at le minutes or more. (To discharge backup capacitor.) Never use unspecified tester or other measuring device. 	ast 3
DIAGNOSTIC PROCEDURE	
1. CHECK HARNESS CONNECTOR	В
Check the connection of harness connector.	
Is the inspection result normal?	С
YES >> GO TO 2.	
NO >> Replace harness connectors.	D
2.CHECK WIRING HARNESS	
Check the wiring harness externals.	
Is the inspection result normal? YES >> GO TO 3.	Е
NO >> Replace wiring harness.	
3. CHECK FRONT PASSENGER AIR BAG INDICATOR	F
Replace front passenger air bag indicator. Refer to <u>IP-14, "Removal and Installation"</u>	
2. Perform DTC confirmation procedure. Refer to SRC-60, "DTC Logic".	
<u>Is DTC detected?</u>	G
YES >> GO TO 4. NO >> INSPECTION END	-
4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	SR
 Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal and Installation"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-60, "DTC Logic"</u>. 	
Is DTC detected?	
YES >> GO TO 1.	
NO >> INSPECTION END	J
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B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SEN-SOR UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1400-00	CONTROL UNIT (airbag control unit)	[UNIT MALFUNC]	- Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1401-00	CONTROL UNIT (airbag control unit internal trouble, sensor2)	[UNIT MALFUNC]		
B1402-00	CONTROL UNIT (airbag control unit internal trouble, sensor3)	[UNIT MALFUNC]		
B1403-00	CONTROL UNIT (airbag control unit internal trouble, sensor4)	[UNIT MALFUNC]		
B1404-00	CONTROL UNIT (airbag control unit internal trouble, sensor5)	[UNIT MALFUNC]		
B1405-00	CONTROL UNIT (airbag control unit internal trouble, sensor6)	[UNIT MALFUNC]		

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Nithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-20, "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-62, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319581

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?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

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

[COUPE (EXCEPT FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS > Is the inspection result normal? Α YES >> GO TO 3. NO >> Replace wiring harness. 3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT В Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal and Installation"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-62, "DTC Logic"</u>. 2. Is DTC detected? C YES >> GO TO 1. NO >> INSPECTION END D Е F G **SRC** K L M

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B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Logic INFOID:0000000011319582

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1406-00	CONTROL UNIT (airbag control unit internal trouble, Energy Reserver)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1407-00	CONTROL UNIT (airbag control unit internal trouble, driver IC1)	[UNIT MALFUNC]		
B1408-00	CONTROL UNIT (airbag control unit internal trouble, driver IC2)	[UNIT MALFUNC]		
B1409-00	CONTROL UNIT (airbag control unit internal trouble, driver IC3)	[UNIT MALFUNC]		
B1410-00	CONTROL UNIT (airbag control unit internal trouble, Power IC)	[UNIT MALFUNC]		

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ithout CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-64, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000011319583

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?

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.

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B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-64, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Logic INFOID:0000000011319584

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1411-00	CONTROL UNIT (airbag control unit internal trouble, SUB IC)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1412-00	CONTROL UNIT (airbag control unit internal trouble, communication IC1)	[UNIT MALFUNC]		
B1413-00	CONTROL UNIT (airbag control unit internal trouble, communication IC2)	[UNIT MALFUNC]		
B1414-00	CONTROL UNIT [airbag control unit internal trouble, Main micro controller (CPU)]	[UNIT MALFUNC]		
B1415-00	CONTROL UNIT [airbag control unit internal trouble, Sub microcontroller (CPU)]	[UNIT MALFUNC]		

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- (P) Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

>> Refer to SRC-66. "Diagnosis Procedure". YES

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319585

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.

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B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Removal and Installation"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-66, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Logic INFOID:0000000011319586

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1416-00	CONTROL UNIT (airbag control unit internal trouble, EEPROM)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1417-00	CONTROL UNIT (airbag control unit internal trouble, Algorithm)	[UNIT MALFUNC]		
B1418-00	CONTROL UNIT (airbag control unit internal trouble, Configuration)	[UNIT MALFUNC]		
B1419-00	CONTROL UNIT (airbag control unit internal trouble, other component)	[UNIT MALFUNC]		
B1420-00	CONTROL UNIT (airbag control unit internal trouble, other)	[UNIT MALFUNC]		

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-68, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000011319587

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.

>> Replace harness connectors. NO

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

SRC-68 Revision: 2014 September 2015 370Z

B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT [COUPE (EXCEPT FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-68, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1421 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B1421 FRONTAL COLLISION DETECTION

DTC Logic INFOID:000000011319588

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1421-00	FRONTAL COLLISION (Firing Record, Frontal)	Driver air bag, passenger air bag, seat belt pre-tensioner and lap pre-tensioner are deployed	_

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ithout CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "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-70</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

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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-5</u>, "FOR FRONTAL COLLISION: When <u>SRS</u> is activated in a collision" or <u>SR-6</u>, "FOR FRONTAL COLLISION: When <u>SRS</u> is not activated in a collision".

>> GO TO 2.

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 SRC-81, "DTC Index".

B1422 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B1422 SIDE COLLISION DETECTION

DTC Logic INFOID:0000000011319590

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1422-00	SIDE COLLISION (Firing Record, Side)	Side air bag and curtain air bag are deployed	_

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "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 SRC-71, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319591

WARNING:

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

Never use unspecified tester or other measuring device.

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to SR-7, "FOR SIDE AND ROLLOVER COLLISION: When SRS is activated in a collision" or SR-8, "FOR SIDE AND ROLLOVER COLLISION: When SRS is not activated in a collision".

>> GO TO 2.

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 SRC-81, "DTC Index".

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SRC-71 Revision: 2014 September 2015 370Z

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B1425 REAR COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B1425 REAR COLLISION DETECTION

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1425-00	REAR COLLISION (Rear Crash Detect)	Rear collision detected	_

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-20, "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-72, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011319593

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-5</u>, "FOR FRONTAL COLLISION: When <u>SRS</u> is activated in a collision" or <u>SR-6</u>, "FOR FRONTAL COLLISION: When <u>SRS</u> is not activated in a collision".

>> GO TO 2.

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 SRC-81, "DTC Index".

B142A IGN VOLTAGE

Α **DTC** Logic INFOID:0000000011319594

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause	C
B142A-16	IGNITION VOLTAGE (Ignition voltage Low)	[VB-LOW]	Power supply malfunction (low voltage) of air bag diagnosis sensor unit	Malfunction of battery voltage (low voltage) Connection malfunction of harness or connector Internal malfunction of air bag diagnosis sensor unit	D
B142A-17	IGNITION VOLTAGE (Ignition voltage High)	[VB-HIGH]	Power supply malfunction (high voltage) of air bag diagnosis sensor unit	Malfunction of battery voltage (high voltage) Connection malfunction of harness or connector Internal malfunction of air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-20, "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 SRC-73, "Diagnosis Procedure".

>> INSPECTION END NO

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 BATTERY VOLTAGE

Check battery voltage. Refer to PG-3, "How to Handle Battery".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace battery. Refer to PG-106, "Removal and Installation".

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace harness connectors.

${f 3.}$ CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.

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B142A IGN VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

NO >> Replace wiring harness.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "<u>COUPE</u>: <u>Removal and Installation</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-73</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B1430 SEAT BELT PRE-TENSIONER

DTC Logic INFOID:0000000011319596

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B1430-09		[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of seat belt pre-tensioner LH Internal malfunction of air bag diagnosis sensor unit
B1430–11		[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of seat belt pre-tensioner LH Internal malfunction of air bag diagnosis sensor unit
B1430–12	PRE-TEN FRONT LH (Front seat belt pre-tensioner squib left hand circuit)	[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of seat belt pre-tensioner LH Internal malfunction of air bag diagnosis sensor unit
B1430–13		[OPEN]	Seat belt pre-tensioner LH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of seat belt pre-tensioner LH Internal malfunction of air bag diagnosis sensor unit
B1430–1A		[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of seat belt pre-tensioner LH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-20, "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 SRC-75, "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.)

SRC-75 Revision: 2014 September 2015 370Z

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INFOID:0000000011319597

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

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 SR-31, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-75, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-75, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

B1431 SEAT BELT PRE-TENSIONER

DTC Logic INFOID:0000000011319598

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B1431-09		[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of seat belt pre-tensioner RH Internal malfunction of air bag diagnosis sensor unit
B1431–11		[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	Connection malfunction or short circuit to ground of harness and connector Internal malfunction of seat belt pre-tensioner RH Internal malfunction of air bag diagnosis sensor unit
B1431–12	PRE-TEN FRONT RH (Front seat belt pre-tensioner squib right hand circuit)	[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of seat belt pre-tensioner RH Internal malfunction of air bag diagnosis sensor unit
B1431–13		[OPEN]	Seat belt pre-tensioner RH circuit is open	Connection malfunction or open circuit of harness and connector Internal malfunction of seat belt pre-tensioner RH Internal malfunction of air bag diagnosis sensor unit
B1431–1A		[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	Connection malfunction or short circuit of harness and connector Internal malfunction of seat belt pre-tensioner RH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-20, "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 SRC-77, "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.)

SRC-77 Revision: 2014 September 2015 370Z

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B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

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 SR-31, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-77, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-77, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[COUPE (EXCEPT FOR MEXICO)]

B1500 DOOR SATELLITE SENSOR

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT scree (Trouble diagnosis		DTC detecting condition	Possible cause
B1500-23	DOOR SATELLITE SEN- SOR (Door-SAT signal stuck low)	[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH or RH	Internal malfunction of front door satellite sensor LH or RH Internal malfunction of air bag diagnosis sensor unit
B1500-24	DOOR SATELLITE SEN- SOR (Door-SAT signal stuck High)	[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH or RH	Internal malfunction of front door satellite sensor LH or RH Internal malfunction of air bag diagnosis sensor unit
B1500-92	DOOR SATELLITE SEN- SOR [Door-SAT performance or incorrect operation]	[PERFRM ERR/ INCRCT OPE]	Diagnosis malfunction of front door satellite sensor LH or RH	Internal malfunction of front door satellite sensor LH or RH Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-20, "Diagnosis with Air Bag Warning Lamp"</u>.

NOTE:

WARNING:

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</u>, "<u>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 FRONT DOOR SATELLITE SENSOR LH AND RH

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B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

- Replace front door satellite sensor LH and RH. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-79, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "<u>COUPE</u>: <u>Removal and Installation</u>". Perform DTC confirmation procedure. Refer to <u>SRC-79</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

< ECU DIAGNOSIS INFORMATION >

[COUPE (EXCEPT FOR MEXICO)]

Α

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

DTC	Diagnostic item	Number of times of v blinking in diagno	• .	Reference
		System display	Item display	
U1000–01	CAN COMM CIRCUIT	_	_	SRC-26, "DTC Logic"
U1010–49	CONTROL UNIT (CAN)	_	_	SRC-27, "DTC Logic"
B0001-00	DRIVER AIRBAG MODULE [SHORT]			
B0001-09	DRIVER AIRBAG MODULE [SHORT]			
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]	Front air bag system	1	SRC-28, "DTC
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]	Front air bag system	ı	<u>Logic"</u>
B0001-13	DRIVER AIRBAG MODULE [OPEN]			
B0001-1A	DRIVER AIRBAG MODULE [SHORT]			
B0002-00	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002-09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002-11	DRIVER AIRBAG MODULE 2 [GND-SHORT]	Front oir bog quatem	4	SRC-31, "DTC
B0002-12	DRIVER AIRBAG MODULE 2 [VB-SHORT]	Front air bag system	1	<u>Logic"</u>
B0002-13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002-1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010-09	ASSIST A/B MODULE [SHORT]			
B0010-11	ASSIST A/B MODULE [GND-SHORT]			
B0010-12	ASSIST A/B MODULE [VB-SHORT]	Front air bag system	2	SRC-34, "DTC Logic"
B0010-13	ASSIST A/B MODULE [OPEN]			<u>Logio</u>
B0010-1A	ASSIST A/B MODULE [SHORT]			
B0011-09	ASSIST A/B MODULE 2 [SHORT]			
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]			
B0011-12	ASSIST A/B MODULE 2 [VB-SHORT]	Front air bag system	2	SRC-36, "DTC Logic"
B0011-13	ASSIST A/B MODULE 2 [OPEN]			<u> </u>
B0011-1A	ASSIST A/B MODULE 2 [SHORT]			
B0020-09	SIDE A/B MODULE LH [SHORT]			
B0020-11	SIDE A/B MODULE LH [GND-SHORT]			
B0020-12	SIDE A/B MODULE LH [VB-SHORT]	Side air bag system	1	SRC-38, "DTC Logic"
B0020-13	SIDE A/B MODULE LH [OPEN]			
B0020-1A	SIDE A/B MODULE LH [SHORT]			
B0021-09	CURTAIN A/B MODULE LH [SHORT]			
B0021-11	CURTAIN A/B MODULE LH [GND-SHORT]			000 (- :
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]	Side air bag system	3	SRC-40, "DTC Logic"
B0021-13	CURTAIN A/B MODULE LH [OPEN]			
B0021-1A	CURTAIN A/B MODULE LH [SHORT]			

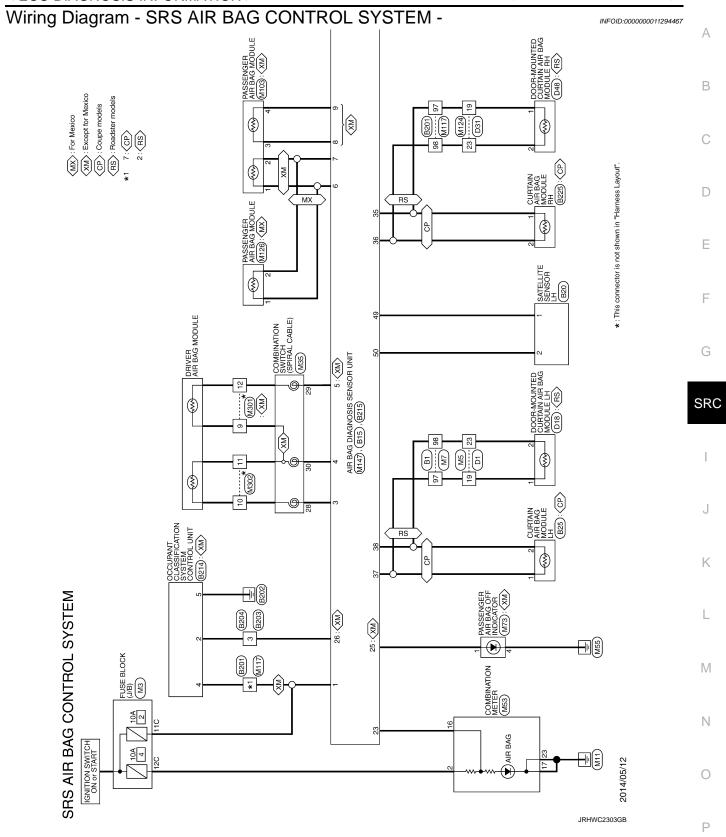
< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of blinking in diagn		Reference
		System display	Item display	
B0028-09	SIDE A/B MODULE RH [SHORT]			
B0028-11	SIDE A/B MODULE RH [GND-SHORT]			000 40 11000
B0028-12	SIDE A/B MODULE RH [VB-SHORT]	Side air bag system	2	SRC-42, "DTC
B0028-13	SIDE A/B MODULE RH [OPEN]			<u>=0 g.o.</u>
B0028-1A	SIDE A/B MODULE RH [SHORT]			
B0029-09	CURTAIN A/B MODULE RH [SHORT]			
B0029-11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]	Side air bag system	4	SRC-44, "DTO Logic"
B0029-13	CURTAIN A/B MODULE RH [OPEN]			<u>=====</u>
B0029-1A	CURTAIN A/B MODULE RH [SHORT]			
B0091-11	B-PILLAR SAT SEN LH [GND-SHORT]			
B0091-23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0091-24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0091–25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0091–28	B-PILLAR SAT SEN LH [OFFSET ERR]	Sensor system	2	SRC-46, "DTO Logic"
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]			Logic
B0091-86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091–88	B-PILLAR SAT SEN LH [OPEN]			
B0091–93	B-PILLAR SAT SEN LH [RESET]			
B0093-11	DOOR SATEL SENS LH [GND-SHORT]			
B0093-23	DOOR SATEL SENS LH [LOWER LIMIT ERR]			
B0093-24	DOOR SATEL SENS LH [UPPER LIMIT ERR]			
B0093-25	DOOR SATEL SENS LH [SELF-DIAG ERR]			
B0093-28	DOOR SATEL SENS LH [OFFSET ERR]	Sensor system	6	SRC-48, "DTO Logic"
B0093-81	DOOR SATEL SENS LH [COMM ERR]			Logic
B0093-86	DOOR SATEL SENS LH [UNMATCH]			
B0093-88	DOOR SATEL SENS LH [OPEN]			
B0093-93	DOOR SATEL SENS LH [RESET]			
B0094-11	CRASH ZONE SENS [GND-SHORT]			
B0094-23	CRASH ZONE SENS [LOWER LIMIT ERR]			
B0094-24	CRASH ZONE SENS [UPPER LIMIT ERR]			
B0094-25	CRASH ZONE SENS [SELF-DIAG ERR]			
B0094–28	CRASH ZONE SENS [OFFSET ERR]	Sensor system	1	SRC-50, "DTO
B0094–81	CRASH ZONE SENS [COMM ERR]			Logic"
B0094–86	CRASH ZONE SENS [UNMATCH]			
B0094-88	CRASH ZONE SENS [OPEN]			
B0094–93	CRASH ZONE SENS [RESET]			

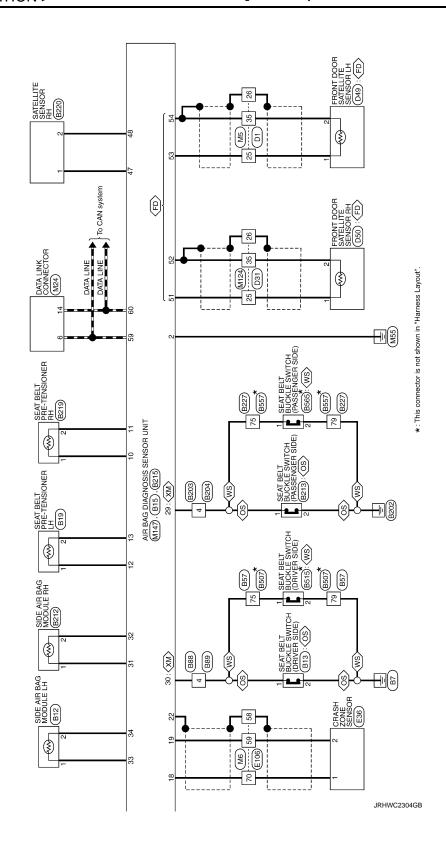
< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of blinking in diagn		Reference
	j	System display	Item display	
B0096–11	B-PILLAR SAT SEN RH [GND-SHORT]			
B0096-23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0096-24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0096-25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0096-28	B-PILLAR SAT SEN RH [OFFSET ERR]	Sensor system	3	SRC-52, "DTC Logic"
B0096-81	B-PILLAR SAT SEN RH [COMM ERR]			
B0096-86	B-PILLAR SAT SEN RH [UNMATCH]			
B0096-88	B-PILLAR SAT SEN RH [OPEN]			
B0096-93	B-PILLAR SAT SEN RH [RESET]			
B0098-11	DOOR SATEL SENS RH [GND-SHORT]			
B0098-23	DOOR SATEL SENS RH [LOWER LIMIT ERR]			
B0098-24	DOOR SATEL SENS RH [UPPER LIMIT ERR]			
B0098-25	DOOR SATEL SENS RH [SELF-DIAG ERR]			SRC-54, "DTC
B0098-28	DOOR SATEL SENS RH [OFFSET ERR]	Sensor system	7	Logic"
B0098-81	DOOR SATEL SENS RH [COMM ERR]			
B0098-86	DOOR SATEL SENS RH [UNMATCH]			
B0098-88	DOOR SATEL SENS RH [OPEN]			
B0098-93	DOOR SATEL SENS RH [RESET]			
B0099-11	SATELLITE SENSOR [GND-SHORT]			
B0099-23	SATELLITE SENSOR [LOWER LIMIT ERR]			
B0099–24	SATELLITE SENSOR [UPPER LIMIT ERR]			
B0099–25	SATELLITE SENSOR [SELF-DIAG ERR]			SRC-56, "DTC
B0099–28	SATELLITE SENSOR [OFFSET ERR]	Sensor system	12	Logic"
B0099–81	SATELLITE SENSOR [COMM ERR]			
B0099–86	SATELLITE SENSOR [UNMATCH]			
B0099–88	SATELLITE SENSOR [OPEN]			
B0099–93	SATELLITE SENSOR [RESET]			
B00A0-00	OCCUPANT SENS [ABNOMAL VOLTAGE]			
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]			
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]			
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]			
B00A0-83	OCCUPANT SENS C/U [COMM ERR]	Air bag control unit	4	SRC-58, "DTC
B00A0-86	OCCUPANT SENS C/U [COMM ERR]	system		Logic"
B00A0-87	OCCUPANT SENS C/U [COMM ERR]			
B00A0-88	OCCUPANT SENS C/U [COMM ERR]			
B00A0-8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0-93	OCCUPANT SENS C/U [RESET]			
B00D5-04	PASS A/B INDCTR CKT [UNIT MALFUNC]			
B00D5-11	PASS A/B INDCTR CKT [GND-SHORT]	Air bag control unit		SRC-60, "DTC
B00D5-12	PASS A/B INDCTR CKT [VB-SHORT]	system	3	Logic"
B00D5-13	PASS A/B INDCTR CKT [OPEN]			
B00D5-15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]			

DTC	Diagnostic item	Number of times of blinking in diagno		Reference
		System display	Item display	
B1400-00	CONTROL UNIT [UNIT MALFUNC]			
B1401-00	CONTROL UNIT [UNIT MALFUNC]			
B1402-00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit	0	SRC-62, "DT
B1403-00	CONTROL UNIT [UNIT MALFUNC]	system	2	Logic"
B1404-00	CONTROL UNIT [UNIT MALFUNC]			
B1405-00	CONTROL UNIT [UNIT MALFUNC]			
B1406-00	CONTROL UNIT [UNIT MALFUNC]			
B1407-00	CONTROL UNIT [UNIT MALFUNC]			
B1408-00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-64, "DT Logic"
B1409-00	CONTROL UNIT [UNIT MALFUNC]	System		Logio
B1410-00	CONTROL UNIT [UNIT MALFUNC]			
B1411-00	CONTROL UNIT [UNIT MALFUNC]			
B1412-00	CONTROL UNIT [UNIT MALFUNC]			
B1413-00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-66, "DT Logic"
B1414-00	CONTROL UNIT [UNIT MALFUNC]	System		Logic
B1415-00	CONTROL UNIT [UNIT MALFUNC]			
B1416-00	CONTROL UNIT [UNIT MALFUNC]			
B1417-00	CONTROL UNIT [UNIT MALFUNC]	-		
B1418–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-68, "DT Logic"
B1419–00	CONTROL UNIT [UNIT MALFUNC]	System		Logic
B1420-00	CONTROL UNIT [UNIT MALFUNC]			
B1421-00	FRONTAL COLLISION	Air bag control unit system	1	SRC-70, "DT Logic"
B1422-00	SIDE COLLISION	Air bag control unit system	1	SRC-71, "DT Logic"
B1425-00	REAR COLLISION	Air bag control unit system	1	SRC-72, "DT Logic"
B142A-16	IGNITION VOLTAGE [VB-LOW]	_	_	SRC-73, "DT
B142A-17	IGNITION VOLTAGE [VB-HIGH]	_	_	Logic"
B1430-09	PRE-TEN FRONT LH [SHORT]			
B1430-11	PRE-TEN FRONT LH [GND-SHORT]			
B1430-12	PRE-TEN FRONT LH [VB-SHORT]	Front air bag system	3	SRC-75, "DT Logic"
B1430-13	PRE-TEN FRONT LH [OPEN]			
B1430–1A	PRE-TEN FRONT LH [SHORT]			
B1431-09	PRE-TEN FRONT RH [SHORT]			
B1431–11	PRE-TEN FRONT RH [GND-SHORT]			
B1431–12	PRE-TEN FRONT RH [VB-SHORT]	Front air bag system	4	SRC-77, "DT Logic"
B1431–13	PRE-TEN FRONT RH [OPEN]	=		Logio
B1431–1A	PRE-TEN FRONT RH [SHORT]	1		
B1500–23	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]			
B1500–24	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]	Songer avetem	e	SRC-79, "DT
B1500–92	DOOR SATELLITE SENSOR [PERFRM ERR/INCRCT OPE]	Sensor system	6	Logic"







Corrector No. Bits Corrector Name AIR BAG DIAGNOSIS SENSOR UNIT Corrector Type NY22FV 2V.EX. (12) 33 35 49	Terminal Color Of	SATELLITE LI SATELLITE LI SATELLITE SATELLITE SATELLITE LI	Corrector No. Bi19 Corrector Name SEAT BELT PRE-TENSIONER LH Corrector Type ACB02FY	Terminal Color Of Signal Name (Specification) No. Wire 1 Y
Corrector No. B12 Corrector Name SIDE AIR BAG MODULE LH Corrector Type TK02FY EX-1V	Terminal Color Of Signal Name [Specification] No. Wire 1 Y 2 Y	Connector No. B113 Connector Name sea/1 BELT BLOCKE SWITCH (DRIVER SIDE) Connector Type A/03FW	Terminal Color Of Signal Name (Specification) No. Wire Closupe models 1	
GR R R R R R R R R R R R R R R R R R R	SB	SHELD P P P P P P P P P P P P P P P P P P P	BG C C C C C C C C C	G - Roadster models
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	Connector No. B89	Connector Name WIRE TO WIRE	T. IS ARMAN BILL	1	Į.	至了	H.S.	L	1 2 3 4				la O	_	4 SB -			Connector No. B201	Connector Name WIRE TO WIRE		Connector Type TH80FW-CS16-TM4			8						la				3 B - [Roadster models]	3 Y - [Coupe models]	4 G	7 R - [Coupe models]	7 Y - [Roadster models]	8 LG -	-	11 R -	20 G -	21 R -	30 B		41 V -	42 G -	43 L -	\dashv	51 P -
	Connector No. B57	Connector Name WIRE TO WIRE	Consequent Town NO40FW OF	٦.	Œ				81 80 79 77 84 90 100 83				la O	No. Wire ogner warre [Specification]	75 L	76 B -	78 LG .		\dashv	91 P	92 V -	Н		H	100 BR -			Connector No. B88	Connector Name WIRE TO WIRE		Connector Type TH04FW-NH	á		K		4 3 2 1				nal		4 SB .								
SRS AIR BAG CONTROL SYSTEM	Connector No. B20	Connector Name SATELLITE SENSOR LH	Contract Time	Collifector Type TROZETT-TV-EA-LO	Œ		HS	J.	((1 2))	9)			ā	No. Wire Signal Name [Specification]	1 B - [Roadster models]		2 L - [Coupe models]	2 W - [Roadster models]			Connector No. B25	H La II IOOM Ska Gly Nigtal O amed actomics		Connector Type ACB02FY	4		٤		2 1 1				ē	No. Wire	\ \	2 Y/B -														

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	Connector Name SEAT BELT PRE-TENSIONER RH	-	HS.		Terminal Color Of Terminal Color Of Terminal Color Of Wire	
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:	Connector No. BZ1Z Connector Name SIDE AIR BAG MODULE RH	\neg	H.S.	Termied Color Of 1 1	Termieal Colob of Muse Specification	
~1	Connector Name WIRE TO WIRE		##S	Terminal Color Old Name [Specification] No. Wire Nuce No. Wire No. Wire No. No. No. Reconnector Name Connector Name Connector Type Thodaww.NH Thodaw.NH	No. Wire Signal Name [Specification] No. Wire 3 V 4 LG	
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Connector No. D1	Connector Name WIRE TO WIRE	Connector Type TH40FW-CS15	(15) 100 09 17 17 17 17 17 17 17 17 17 17 17 17 17	Sgnai Name (Specification) Terminal Color Of Sgnai Name (Specification) No. Wire	· × · ·	× 8	. 9 6	- 10 BG -	- [With BOSE system]	- [Without BOSE system]	- 12 L -	- 13 B -	- 14 SB - [Coupe models]	- [Roadster models]	- 15 W -	-	23 Y/B -	25 R -	SEAT BELT BLICKLE SWITCH (PASSENGER SIDE)	35 G	\dashv	+	+	+	91 05	2 1 8	52 V	53 BG .	┞	22	olgina i taline [operationi]	
Connector No. B557	Connector Name WIRE TO WIRE	Connector Type NS16MW-CS	15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	Signal Name (Specification) Terminal Color Of Signal Na. Write	. 75 LG	- 12 B	. 78 G	- 79 B	- 80 B	- 91 L	- 92 G	- 93 ×	- 94 SB	∧ 96 ·	- 100 W			Connector No. B565	FAT BELLELICKLE SWITCH CORNER SIDE)	2000	Connector Type TK03FW	1	ますが			2 1				_	No	INC. WITE
ROL SYSTEM Connector No. B507	LE RH Connector Name WIRE TO WIRE	Connector Type NS16MW-CS	H.S. 859291 (1977)	[Specification] Terminal Color Of Signal Nar No. Wire	75 L	76 B	78 LG	79 B	90 B	91 P	92 V	93 G	94 BG		100 BR	91 92 95	30 (100 93	Connector No. B515	Connector Name SEAT BELICKLE		[Specification] Connector Type TK03FW		\$45D		7						No Wire	1
SRS AIR BAG CONTROL Connector No. 18225	CONNECTOR NAME CURTAIN AIR BAG MODULE RH	Connector Type ACB02FY	#S.	Terminal Color Of Signal Name [Speci	>	2 Y/B			Connector No. B227	Edivi OT Edivi	Collifector Ivaline vvince 0 vvince	Connector Type NS16FW-CS	(25 05 00 00]	81 80 79 75 77 94 90 10				al Color Of Signal Name	Wire	. LG .	+	78 G -	79 B -	- B 06	- 16	92 G	L	do No	4

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	Connector No.	Connector Type	₩.S.		Terminal Color Of No. Wire	۱ ۲	3 F	4 7	- 8	9 B	11	12 R	13	4 51 R P	16 W	17 SB	+	+	31	32	36 V	37 Y	38 R	+	+	+	+	44 43 GR G	H	╁	46 W	47 P	58 SHIELD	26 F	H	+	81 P
000	NT DOOR SATELLITE SENSOR RH	HK02FY-1V-EX-LC			Terminal Color Of Signal Name [Specification] No. Wire	1 R	2 G -		Connector No. E36	ODBASH ZONE SENSOB	. 1	Connector Type HK02FY-1V-EX-LC	Œ.			((112)))		Terminal Color Of	No. Wire Signal Name [Specification]	1 P	2 L -			•												
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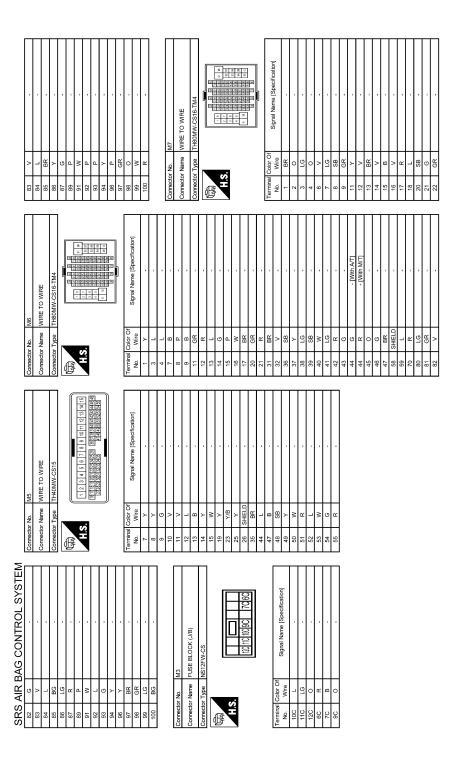
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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[COUPE (EXCEPT FOR MEXICO)]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000011294468

1. CHECK SELF DIAGNOSIS RESULT

Perform "AIR BAG" Self Diagnostic Result with CONSULT.

Is DTC detected?

YES >> Repair or replace the malfunctioning parts. Refer to SRC-81, "DTC Index".

NO >> GO TO 2.

2.CHECK AIR BAG FUSE

Check 10 A fuse [No.2, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the fuse.

3. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace harness connectors.

4. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace wiring harness.

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 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 >

iagnosis Procedure	INFOID:0000000011294469
.CHECK METER FUSE	
heck 10 A fuse [No.4, located in fuse block (J/B)].	
the inspection result normal?	
YES >> GO TO 2. NO >> Replace the fuse.	
CHECK HARNESS CONNECTOR	
heck the harness connector.	
the inspection result normal?	
YES >> GO TO 3. NO >> Replace harness connectors.	
.CHECK WIRING HARNESS	
neck the wiring harness externals.	
the inspection result normal?	
/ES >> GO TO 4. NO >> Replace wiring harness.	
NO >> Replace wiring harness. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Exploded View"</u> .	
Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE: Exploded View"</u> . Check air bag warning lamp operation.	
the inspection result normal?	
/ES >> INSPECTION END NO >> GO TO 1.	
YES >> INSPECTION END NO >> GO TO 1.	

PRECAUTION

PRECAUTIONS

Precautions 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:000000011294471

- Do not 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 at least 3
 minutes or more.
 - For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.
- Diagnosis sensor unit must always be installed with their arrow marks "←" pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not 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.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Occupant Classification System Precaution

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Replace Occupant Classification System control unit and passenger front seat cushion as an assembly. Refer to <u>SE-88, "Removal and Installation"</u>.

PRECAUTIONS

< PRECAUTION >

[COUPE (EXCEPT FOR MEXICO)]

Precaution for Battery Service

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Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

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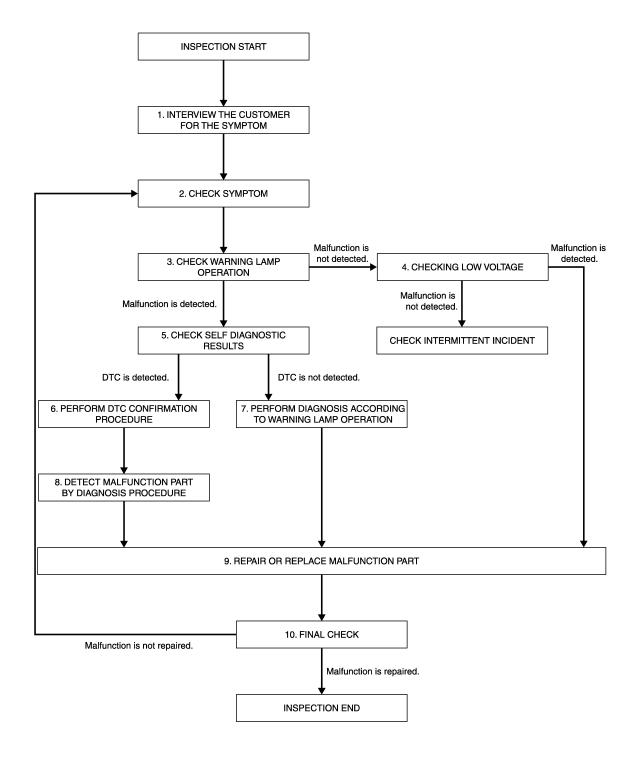
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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



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DIAGNOSIS AND REPAIR WORK FLOW < BASIC INSPECTION > [COUPE (FOR MEXICO)]
1.INTERVIEW THE CUSTOMER FOR THE SYMPTOM
Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs).
>> GO TO 2.
2.CHECK SYMPTOM
Check the symptom from the customer information.
>> GO TO 3.
3. CHECK WARNING LAMP OPERATION
Check air bag warning lamp operation in the user mode. Refer to SRC-107, "Diagnosis with Air Bag Warning
<u>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-110, "CONSULT Function".
Are any malfunction detected?
YES >> GO TO 9.
NO >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".
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.

7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to SRC-107, "Diagnosis with Air Bag Warning Lamp".

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2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to SRC-107, "Diagnosis with Air Bag Warning Lamp" (USER MODE).

>> GO TO 9.

8. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[COUPE (FOR MEXICO)]

$9.\mathsf{REPAIR}$ OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

>> GO TO 10.

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.

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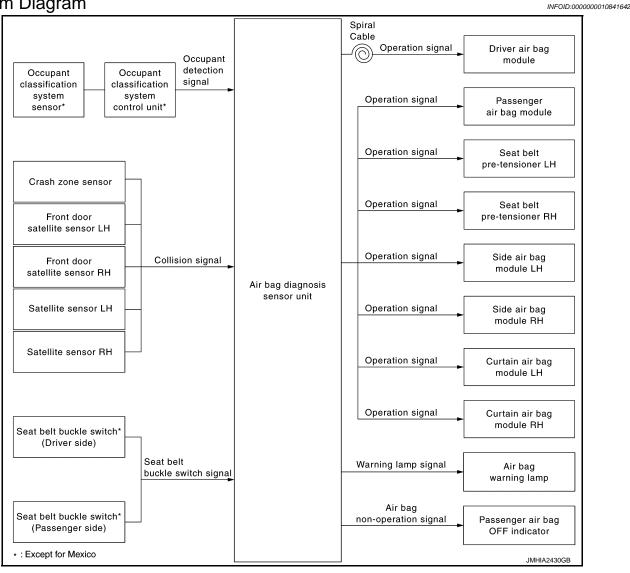
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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram



System Description

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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, or when pressure that is more than the specified limit is detected by front door 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, gas generator 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.

When air bag diagnosis sensor unit detects a rollover of the vehicle, electric igniter (squib) receives power supply, pyrotechnic material is ignited, and then piston is projected.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[COUPE (FOR MEXICO)]

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 an adult or a child and passenger seat belt is not fastened, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to <u>SBC-3</u>, "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.

 \times : Apply —: Not apply

Collision Mode	Driver air bag module	Passenger air bag module	Seat belt pre-ten- sioner LH	Seat belt pre-ten- sioner RH	Side air bag module LH	Side air bag module RH	Curtain air bag module LH	Curtain air bag module RH
Frontal collision	×	×	×	×	_	_	_	_
Left side collision	_	_	_	_	×	_	×	_
Right side collision	_	_	_	_	_	×	_	×

Component Parts Location

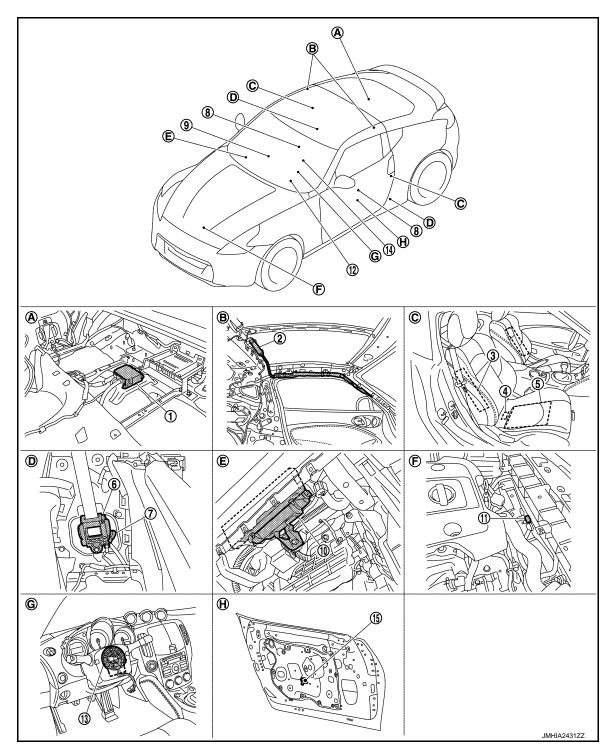
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- 1. Air bag diagnosis sensor unit
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- 7. Satellite sensor LH/RH
- Passenger air bag module 10.
- Combination switch (spiral cable) 13.
- A. Behind seatback center finisher
- D. Behind rear side finisher
- View with steering wheel removed G.

- 2. Curtain air bag module LH/RH
- 5.*
- 8.*
- 11. Crash zone sensor
- Driver air bag module 14.
- В. Behind headlining
- Behind glove box assembly E.
- View with front door finisher removed Η.

- Side air bag module LH/RH
- 6. Seat belt pre-tensioner LH/RH
- 12. Combination meter

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- Front door satellite sensor LH/RH 15.
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Passenger seat

Radiator core support assembly

[COUPE (FOR MEXICO)]

*: Not applicable

Component Description

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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-tensioner.
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.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.
Front door satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.

[COUPE (FOR MEXICO)]

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

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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.

Diagnosis with Air Bag Warning Lamp

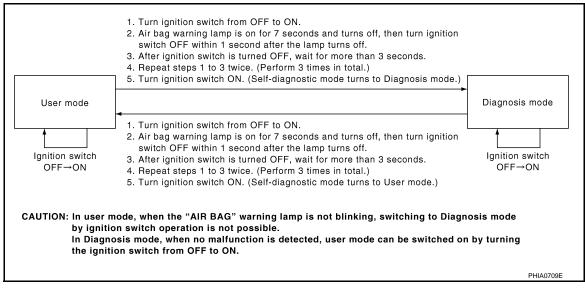
INFOID:0000000010841651

SELF DIAGNOSIS FUNCTION

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

- USER MODE
- DIAGNOSIS MODE

HOW TO CHANGE SELF DIAGNOSIS MODE WITHOUT CONSULT



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.
- Compare the air bag warning lamp blinking pattern with the examples.

Air Bag Warning Lamp Examples

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Air bag warning lamp operation (user mode)	SRS condition	Reference item
ON OFF 7 Sec.	 No malfunction is detected No further action is necessary 	_
IGN ON	The system is malfunctioning	Check "Self Diagnostic Result" with CONSULTI Refer to SRC-110, "CONSULT Function"
ON OFF	Battery voltage is low (less than 9 V)	Check "Cause of Warning Lamp" with CONSULT. Refer to SRC-110, "CONSULT Function"
7 sec. 0.5 sec. 0.5 sec.	Intermittent malfunction is detected in the past	Go to GI-44, "Intermittent Incident"
	Air bag is deployed Seat belt pre-tensioner is deployed	Go to SRC-223, "Diagnosis Procedure" or SRC-224, "Diagnosis Procedure"
ON OFF	 Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-263, "Diagnosis Procedure"
SHIAUU13E		
IGN ON ON	 Air bag diagnosis sensor unit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-264, "Diagnosis Procedure"
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 "HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT", and switch to the diagnosis mode.
- 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.

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

[COUPE (FOR MEXICO)]

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

Front air bag syste	m
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Number of 0.5 second blinks	Malfunctioning items
0	Self-diagnosis result is not deleted
1	Seat belt pre-tensioner RH
2	Driver air bag module
3	Seat belt pre-tensioner LH
6	Crash zone sensor
7	Air bag diagnosis sensor unit
8	Passenger air bag module

Side air bag system

Number of 0.5-second blinks	Malfunctioning items	
1	Side air bag module RH	
2	Side air bag module LH	
3	Satellite sensor RH	
4	Satellite sensor LH	
5	Curtain air bag module RH	
6	Curtain air bag module LH	
9	Front door satellite sensor RH	
10	Front door satellite sensor LH	

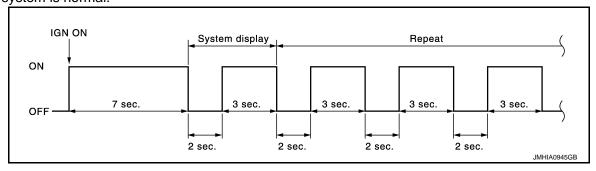
How to Erase Self Diagnosis Result

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

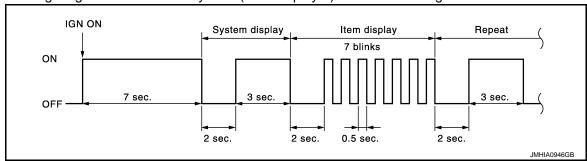
When system is normal.



Single System Malfunction

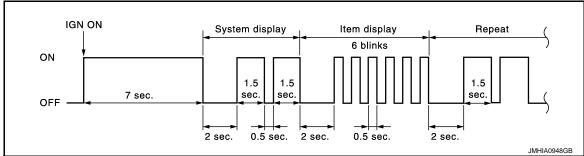
Front air bag system

When air bag diagnosis sensor unit system (Item display 1) is malfunctioning.



Side air bag system

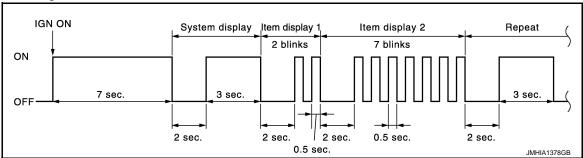
When curtain air bag module LH system (Item display 1) is malfunctioning



Multiple Systems Malfunction

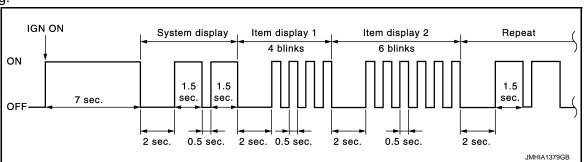
Front air bag system

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



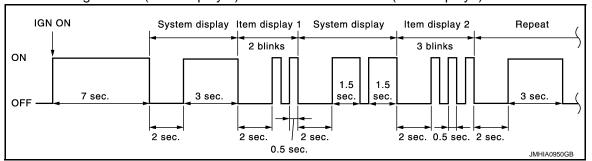
Side air bag system

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



Front air bag system and side air bag system

When driver air bag module (Item display 1) and satellite sensor RH (Item display2) are malfunctioning.



CONSULT Function

INFOID:0000000010841652

APPLICATION ITEM

CONSULT performs the following functions.

[COUPE (FOR MEXICO)]

Diagnosis mode	Description
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
Self Diagnostic Result	 Self-diagnosis result is displayed. Refer to <u>SRC-248</u>, "<u>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 RESULT [CAN]	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

The SRS air bag warning lamp blinks when the ignition voltage is a voltage value (9 V or less) at which the SRS air bag cannot operate normally. After blinking, if the ignition voltage returns to normal, SRS air bag warning lamp turns OFF.DTC memory is not performed while the abnormal ignition voltage is detected. The mode cannot be switched to trouble diagnosis mode when the ignition switch is operated. "No DTC" is displayed when checking "Self-diagnosis result" using CONSULT.

NOTE:

- SRS air bag warning may blink when the condition is out of detection area* of the satellite sensor in door.
 The system is normal if SRS air bag warning lamp turns OFF after the condition returns within detection area of the satellite sensor in door.
- *: Pressure inside of door is excessively low and air bag system cannot be operated normally (example: altitude is approximately 4,000 m or more).

Display item	Display content	Actions by worker
IGN VOLT COND	The ignition voltage recognized by air bag system (air bag control unit and occupant detection system control unit) is displayed or a message stating that condition is out of detection range of satellite sensor in door is displayed. OK: Normal LOW: The ignition voltage is low, high, or out of detection range of satellite sensor in door	Perform the check at an altitude of 4,000 m or less. • Check battery voltage if the ignition voltage
LOW VOLT TIME	Total number of times is displayed, summing up the number of times ignition voltage error is detected and the number of times that out of detection range of satellite sensor in door is detected. (Detection record is erased and counter returns to "0" by "ERASE MEMORY" in "Self-diagnosis results" using CONSULT.)	status is displayed as "LOW". • Check battery voltage if the ignition voltage status is "OK" and the number of times detected is 1 or more. This is because an ignition voltage error may be detected in the past. NOTE: If battery voltage is normal, the cause may be
LOW V RECORED	Number of times ignition switch ON is displayed after ignition voltage error or out of detection range of satellite sensor in door is detected. (Detection record is erased and counter returns to "0" by "ERASE MEMORY" in "Self-diagnosis results" using CONSULT.)	that out of detection range of satellite sensor in door is detected.

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B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

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

Description INFOID:000000010841653

- 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:0000000010841654

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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 SRC-112, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841655

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?

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 air bag diagnosis sensor unit

Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE: Exploded View"</u>.

SRC-112 Revision: 2014 September 2015 370Z

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

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

2. Perform DTC confirmation procedure. Refer to SRC-112, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

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

Description INFOID:000000010841656

 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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self-Diagnostic Result.
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-114</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841658

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?

YES >> GO TO 2.

NO >> Replace harness connectors.

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

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE: Exploded View"</u>
- Perform DTC confirmation procedure. Refer to <u>SRC-114</u>, "<u>DTC Logic</u>"

Is DTC detected?

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

< DTC/CIRCUIT DIAGNOSIS > [COUPE (FOR MEXICO)]

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

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

Description INFOID.000000010841659

 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

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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 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-107</u>, "<u>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-116, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841661

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?

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 AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-116, "DTC Logic"

Is DTC detected?

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

< DTC/CIRCUIT DIAGNOSIS > [COUPE (FOR MEXICO)]

YES >> GO TO 1.

NO >> INSPECTION END

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B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841677

 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:0000000010841678

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-118, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841679

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-118, "DTC Logic".

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

[COUPE (FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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[COUPE (FOR MEXICO)]

B1033, B1034 CRASH ZONE SENSOR

Description INFOID:000000010841680

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	Crash zone sensor is malfunctioning	 Disconnection of wiring harness Malfunction in crash zone sensor 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.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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 SRC-120, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841682

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?

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 air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to <u>SRC-120, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE CRASH ZONE SENSOR

B1033, B1034 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

- Replace crash zone sensor. Refer to <u>SR-23, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-120, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1035, B1036 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1035, B1036 CRASH ZONE SENSOR

Description INFOID.000000010841683

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1035 B1036	CRASH ZONE SENSOR [COMM FAIL] [UNMATCH]	Crash zone sensor is malfunctioning or out of the specified specification	 Disconnection of wiring harness Malfunction in crash zone sensor Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-122</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841685

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?

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 AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-122, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1035, B1036 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CRASH ZONE SENSOR

- 1. Replace crash zone sensor. Refer to SR-23, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-122, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1037, B1038, B1039, B1040, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

INFOID:0000000010841688

B1037, B1038, B1039, B1040, B1041 CRASH ZONE SENSOR

Description INFOID:000000010841686

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

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENS1		Disconnection of wiring harness
B1038	CRASH ZONE SEN [OPEN/UPR-VB-SHORT]	Crash zone sensor is malfunctioning	9
B1040	CRASH ZONE SEN [SHORT/UPR-GND-SHORT]		

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

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

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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-124, "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?

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

- Replace crash zone sensor. Refer to <u>SR-23. "Removal and Installation"</u>.
- Perform DTC confirmation procedure. Refer to SRC-124, "DTC Logic".

Is DTC detected?

B1037, B1038, B1039, B1040, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS > [COUPE (FOR MEXICO)]

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

- REPLACE AIR BAG DIAGNOSIS SENSOR UNIT
 Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-124, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841689

 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:0000000010841690

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-126, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841691

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-126, "DTC Logic".

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

[COUPE (FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1049, B1054 DRIVER AIR BAG MODULE

Description INFOID:000000010841692

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 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-107</u>, "<u>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</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841694

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?

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.CHECK SPIRAL CABLE CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

Terminal	Terminal	Continuity	
10	28	Existed	
11	30		

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination switch (spiral cable)			Continuity
Connector	Terminal	Terminal Ground	Continuity
M302	10	Giouna	Not existed
IVI302	11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

f 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- Perform DTC confirmation procedure. Refer to <u>SRC-128, "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 SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-128, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1050, B1055 DRIVER AIR BAG MODULE

Description INFOID:000000010841698

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-107, "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

INFOID:0000000010841697

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?

YES >> GO TO 2.

NO >> Replace harness connector.

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

- Turn ignition switch OFF.
- Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

Terminal	Terminal	Continuity	
10	28	Existed	
11	30		

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination sw	Combination switch (spiral cable)		
Connector	Terminal	Ground	Continuity
M302	10	Giodila	Not existed
WISOZ	11		NOT EXISTED

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

f 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- Perform DTC confirmation procedure. Refer to <u>SRC-130, "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 SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-130, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1051, B1056 DRIVER AIR BAG MODULE

Description INFOID:000000010841698

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1051 B1056	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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-107</u>, "<u>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-132, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841700

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?

YES >> GO TO 2.

NO >> Replace harness connector.

$\mathbf{2}.$ 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

- Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

Terminal	Terminal	Continuity	
10	28	Existed	
11	30	Existed	

Check continuity between combination switch (spiral cable) terminal and ground.

Combination sw	Combination switch (spiral cable)		
Connector	Terminal	Ground	Continuity
M302	10	Giodila	Not existed
WISOZ	11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

f 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- Perform DTC confirmation procedure. Refer to SRC-132, "DTC Logic".

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

- Replace driver air bag module. Refer to SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-132, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END **SRC**

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B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1052, B1057 DRIVER AIR BAG MODULE

Description INFOID:000000010841701

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Nithout CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>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, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841703

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?

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.CHECK SPIRAL CABLE CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

Terminal	Terminal	Continuity	
10	28	Evietod	
11	30	_ Existed	

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination switch (spiral cable)			Continuity
Connector	Terminal	Ground	Continuity
M302	10		Not existed
	11		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

f 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- Perform DTC confirmation procedure. Refer to <u>SRC-134, "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 SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-134, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841704

 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:0000000010841705

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-136, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841706

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-136, "DTC Logic".

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

[COUPE (FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1065, B1070 PASSENGER AIR BAG MODULE

Description INFOID:000000010841707

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

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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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-138</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841709

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-138, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE FRONT PASSENGER AIR BAG MODULE

- Replace front passenger air bag module. Refer to <u>SR-17, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-138, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1066, B1071 PASSENGER AIR BAG MODULE

Description INFOID:000000010841710

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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-107</u>, "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-140, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841712

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-140, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE FRONT PASSENGER AIR BAG MODULE

- Replace front passenger air bag module. Refer to <u>SR-17, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-140, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1067, B1072 PASSENGER AIR BAG MODULE

Description INFOID:000000010841713

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-142</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841715

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-142, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE FRONT PASSENGER AIR BAG MODULE

- Replace front passenger air bag module. Refer to <u>SR-17, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-142, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1068, B1073 PASSENGER AIR BAG MODULE

Description INFOID:000000010841716

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

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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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-144, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841718

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-144, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE FRONT PASSENGER AIR BAG MODULE

- Replace front passenger air bag module. Refer to <u>SR-17, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-144, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841719

 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:0000000010841720

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- (P) Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-146, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841721

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-146, "DTC Logic".

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

[COUPE (FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1080, B1096 DRIVER AIR BAG MODULE

Description INFOID:000000010841722

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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-148</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841724

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.

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

- Turn ignition switch OFF.
- 2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

Terminal	Terminal	Continuity
10	28	Existed
11	30	LAISIEU

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination sw	vitch (spiral cable)	Ground	Continuity
Connector	Terminal		
M302	10		Not existed
IVI3UZ	11		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

f 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- Perform DTC confirmation procedure. Refer to <u>SRC-148</u>, "<u>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 SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-148, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1081 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1081 SEAT BELT PRE-TENSIONER RH

Description INFOID.000000010841725

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1081	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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-150</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841727

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-150, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1081 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-150, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1082 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1082 SEAT BELT PRE-TENSIONER RH

Description INFOID:000000010841728

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-152</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841730

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-152, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1082 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-152, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1083 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1083 SEAT BELT PRE-TENSIONER RH

Description INFOID:000000010841731

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-154, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841733

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-154, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1083 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-154, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1084 SEAT BELT PRE-TENSIONER RH

Description INFOID:000000010841734

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-156</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841736

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-156, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-156, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1086 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1086 SEAT BELT PRE-TENSIONER LH

Description INFOID:000000010841737

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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-158</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841739

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-158, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1086 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-158, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1087 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1087 SEAT BELT PRE-TENSIONER LH

Description INFOID:000000010841740

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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 SRC-160, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841742

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.

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

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE: Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-160, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1087 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-160, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1088 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1088 SEAT BELT PRE-TENSIONER LH

Description INFOID.000000010841743

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-162</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841745

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-162, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1088 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-162, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1089 SEAT BELT PRE-TENSIONER LH

Description INFOID.000000010841746

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-164</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841748

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-164, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR: Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-164, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END В

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B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841749

 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:0000000010841750

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-166, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841751

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-166, "DTC Logic".

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

[COUPE (FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841752

 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:0000000010841753

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-168, "Diagnosis Procedure".

>> INSPECTION END NO

Diagnosis Procedure

INFOID:0000000010841754

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-168, "DTC Logic".

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

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

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[COUPE (FOR MEXICO)]

B1113, B1114 SATELLITE SENSOR RH

Description INFOID.000000010841755

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:000000010841756

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Nithout CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

NOTF:

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-170, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841757

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-170, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1113, B1114 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SATELLITE SENSOR

- Replace satellite sensor RH. Refer to <u>SR-25, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-170, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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[COUPE (FOR MEXICO)]

B1115, B1116 SATELLITE SENSOR RH

Description INFOID.000000010841758

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	Satellite sensor RH is malfunctioning or out of the specified specification	 Disconnection of wiring harness Malfunction in satellite sensor RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-172</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841760

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-172, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1115, B1116 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SATELLITE SENSOR

- 1. Replace satellite sensor RH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-172, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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[COUPE (FOR MEXICO)]

B1118, B1119 SATELLITE SENSOR LH

Description INFOID:000000010841761

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "Diagnosis with Air Bag Warning Lamp".

NOTE

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

<u>Is malfunctioning part detected?</u>

YES >> Refer to <u>SRC-174, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841763

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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".
- 2. Perform DTC confirmation procedure. Refer to SRC-174, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1118, B1119 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SATELLITE SENSOR

- 1. Replace satellite sensor LH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-174, "DTC Logic"

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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[COUPE (FOR MEXICO)]

B1120, B1121 SATELLITE SENSOR LH

Description INFOID:000000010841764

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	Satellite sensor LH is malfunctioning or out of the specified specification	 Disconnection of wiring harness Malfunction in satellite sensor 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.

Nithout CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

NOTF:

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-176</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841766

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-176, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1120, B1121 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SATELLITE SENSOR

- 1. Replace satellite sensor LH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-176, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841767

 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:0000000010841768

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-178, "Diagnosis Procedure".

>> INSPECTION END NO

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.)

INFOID:0000000010841769

• 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 AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-178, "DTC Logic".

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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[COUPE (FOR MEXICO)]

B1129 SIDE AIR BAG MODULE RH

Description INFOID:000000010841770

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.

Nithout CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. SRC-107, "Diagnosis with Air Bag Warning Lamp"

NOTF:

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-180, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841772

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-180, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1129 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- 1. Replace side air bag module RH. Refer to SE-83, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-180, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1130 SIDE AIR BAG MODULE RH

Description INFOID:000000010841773

In case of side 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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 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-107</u>, "Diagnosis with Air Bag Warning Lamp".

NOTE

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

<u>Is malfunctioning part detected?</u>

YES >> Refer to SRC-182, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841775

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-182, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1130 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- 1. Replace side air bag module RH. Refer to SE-83, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-182, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1131 SIDE AIR BAG MODULE RH

Description INFOID:000000010841776

In case of side 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

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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-184, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841778

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.

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-184, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1131 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- 1. Replace side air bag module RH. Refer to <u>SE-83, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-184, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1132 SIDE AIR BAG MODULE RH

Description INFOID:000000010841779

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in side 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.

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>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-186, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841781

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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-186, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1132 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- 1. Replace side air bag module RH. Refer to <u>SE-83, "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-186, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1134 SIDE AIR BAG MODULE LH

Description INFOID:000000010841782

In case of side 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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-188</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841784

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-188, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1134 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-188, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1135 SIDE AIR BAG MODULE LH

Description INFOID:000000010841785

In case of side 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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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-190, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841787

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-190, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1135 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-190, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1136 SIDE AIR BAG MODULE LH

Description INFOID:000000010841788

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of 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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-192</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841790

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-192, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1136 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-192, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1137 SIDE AIR BAG MODULE LH

Description INFOID:000000010841791

In case of side 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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-194, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841793

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

${f 2.}$ 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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-194, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

B1137 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE SIDE AIR BAG MODULE

- 1. Replace side air bag module LH. Refer to SE-83, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-194, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841794

In case of side 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:0000000010841795

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) 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 SRC-107, "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 SRC-196, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841796

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?

>> GO TO 2. YES

NO >> Replace harness connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-196, "DTC Logic".

Is DTC detected?

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 1.

NO >> INSPECTION END

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B1144 DIAGNOSIS SENSOR UNIT

Description INFOID:000000010841797

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit [MISS INSTALLATION]	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.

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-198</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841799

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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-198, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1145 CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010841800

In case of side 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:0000000010841801

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

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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 SRC-199, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-199, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

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B1145 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module RH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-199, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1146 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1146 CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010841803

In case of side 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:0000000010841804

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

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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 SRC-201, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-201, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

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NO >> INSPECTION END SRC

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B1146 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module RH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-201, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1147 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1147 CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010841806

In case of side 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

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

(II) With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-203, "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.

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-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to <u>SRC-203</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010841808

SRC-203

B1147 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module RH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-203, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1148 CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010841809

In case of side 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

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

CHECK SELF-DIAG RESULT

(E)With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-205, "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.

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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-205, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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SRC-205

B1148 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module RH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-205, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1150 CURTAIN AIR BAG MODULE LH

Description INFOID:000000010841812

In case of side 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

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.

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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 SRC-207, "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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to <u>SRC-207, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010841814

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Revision: 2014 September SRC-207

B1150 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-207, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1151 CURTAIN AIR BAG MODULE LH

Description INFOID:000000010841815

In case of side 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

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

CHECK SELF-DIAG RESULT

(II) With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-209</u>, "<u>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.)

SRC-209

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.

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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-209, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010841817

2015 370Z

B1151 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-209, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1152 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1152 CURTAIN AIR BAG MODULE LH

Description INFOID:000000010841818

In case of side 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

DTC DETECTION LOGIC

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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 	Е

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "Diagnosis with Air Bag Warning Lamp".

NOTE:

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

<u>Is malfunctioning part detected?</u>

YES >> Refer to SRC-211, "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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-211, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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SRC-211

INFOID:0000000010841820

B1152 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-211, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1153 CURTAIN AIR BAG MODULE LH

Description INFOID:0000000010841821

In case of side 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:0000000010841822

DTC DETECTION LOGIC

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DTO	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 	ı

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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 SRC-213, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

WARNING: . Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3

SRC-213

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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-213, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

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B1153 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

4. REPLACE CURTAIN AIR BAG MODULE

- Replace curtain air bag module LH. Refer to <u>SE-83, "Exploded View"</u>
 Perform DTC confirmation procedure. Refer to <u>SRC-213, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841824

 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:0000000010841825

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

CHECK SELF-DIAG RESULT

(P) 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 SRC-107, "Diagnosis with Air Bag Warning Lamp".

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-215</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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-215, "DTC Logic".

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B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841827

 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:0000000010841828

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

(P) With CONSULT

Turn ignition switch ON.

Perform "AIR BAG" Self Diagnostic Result.

Turn ignition switch ON.

Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-217, "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 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.
- Perform DTC confirmation procedure. Refer to SRC-217, "DTC Logic".

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Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".

SRC-217 Revision: 2014 September 2015 370Z

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841830

 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:0000000010841831

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

CHECK SELF-DIAG RESULT

(P) 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 SRC-107, "Diagnosis with Air Bag Warning Lamp".

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-219</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.

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 AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-219, "DTC Logic".

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INFOID:0000000010841832

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841833

 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:0000000010841834

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-221, "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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-221, "DTC Logic".

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INFOID:0000000010841835

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1209 FRONTAL COLLISION DETECTION

Description INFOID:000000010841836

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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

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

Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>. "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-223, "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-5</u>, "FOR FRONTAL COLLISION: When <u>SRS</u> is activated in a collision" or <u>SR-6</u>, "FOR FRONTAL COLLISION: When <u>SRS</u> is not activated in a collision".

Iscollision 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 >> Peform diagnosis of applicable DTC.Refer to SRC-248. "DTC Index".

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B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1210 SIDE COLLISION DETECTION

Description INFOID.000000010841839

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 CONSULT	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	_

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-224, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841841

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-7</u>, "FOR SIDE AND ROLLOVER COLLISION: When SRS is activated in a collision" or SR-8, "FOR SIDE AND ROLLOVER COLLISION: When SRS is not activated in a collision".

Iscollision 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 >> Peform diagnosis of applicable DTC.Refer to SRC-248, "DTC Index".

B1211 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1211 ROLLOVER DETECTION

Description INFOID:0000000010841842

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:0000000010841843

DTC DETECTION LOGIC

With CONSULT

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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-225</u>, "<u>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 SR-7, "FOR SIDE AND ROLLOVER COLLISION: When SRS is activated in a collision" or SR-8, "FOR SIDE AND ROLLOVER COLLISION: When SRS is not activated in a collision".

Iscollision 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 >> Peform diagnosis of applicable DTC.Refer to SRC-248, "DTC Index". SRC

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B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1212, B1213, B1214 SATELLITE SENSOR RH

Description INFOID.000000010841845

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

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- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "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-226</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841847

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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

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-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to <u>SRC-226, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE SATELLITE SENSOR

B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

- Replace satellite sensor RH. Refer to <u>SR-25, "Exploded View"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-226, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1215, B1216, B1217 SATELLITE SENSOR LH

Description INFOID.000000010841848

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

N Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "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-228</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841850

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

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-228, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE SATELLITE SENSOR

B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

Replace satellite sensor LH. Refer to <u>SR-25, "Exploded View"</u>.

2. Perform DTC confirmation procedure. Refer to SRC-228, "DTC Logic"

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841851

 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:0000000010841852

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ithout CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>Diagnosis with Air Bag Warning Lamp</u>".

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

Is malfunctioning part detected?

YES >> Refer to SRC-230, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841853

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-230, "DTC Logic".

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

[COUPE (FOR MEXICO)] < DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END Α

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B1234, B1235, B1236, B1237, B1238, B1239 DIAGNOSIS SENSOR UNIT [COUPE (FOR MEXICO)]

< DTC/CIRCUIT DIAGNOSIS >

B1234, B1235, B1236, B1237, B1238, B1239 DIAGNOSIS SENSOR UNIT

INFOID:0000000010841854

INFOID:0000000010841855

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1234 B1235 B1236 B1237 B1238 B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "<u>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-232, "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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-232, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1250, B1251, B1252, B1253, B1254, B1255 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1250, B1251, B1252, B1253, B1254, B1255 DIAGNOSIS SENSOR UNIT

DTC Logic INFOID:0000000010841856

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	С
B1250 B1251 B1252 B1253 B1254 B1255	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	D

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "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 SRC-233, "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 connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-233, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END SRC

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INFOID:0000000010841857

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B1266, B1267, B1268, B1269 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1266, B1267, B1268, B1269 DIAGNOSIS SENSOR UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1266 B1267 B1268 B1269	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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 SRC-234, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841859

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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-234, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1282, B1283, B1284, B1285 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1282, B1283, B1284, B1285 DIAGNOSIS SENSOR UNIT

DTC Logic INFOID:0000000010841860

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1282 B1283 B1284 B1285	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "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 SRC-235, "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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-235, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END SRC

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SRC-235 2015 370Z

B1336, B1337 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1336, B1337 SATELLITE SENSOR RH

Description INFOID:000000010841862

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1336 B1337	FR-RH DOOR SATEL SENS [SENSOR MALFUNC- TION]	Front door satellite sensor RH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor 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 "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to .

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-236</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841864

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 front door satellite sensor

- 1. Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-236</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1336, B1337 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-236, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1338, B1340, B1341, B1342 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1338, B1340, B1341, B1342 SATELLITE SENSOR RH

Description

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1338 B1340 B1341 B1342	FR-RH DOOR SATEL SENS [COMM MALFUNC- TION]	Front door satellite sensor RH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

(R) Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-238</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841867

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.

$\mathbf{2}.$ CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.replace front door satellite sensor

- 1. Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-238, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1338, B1340, B1341, B1342 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-238</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1339 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1339 SATELLITE SENSOR RH

Description

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1339	FR-RH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor RH is out of the specified specification	Diagnosis sensor unit or front door satellite sensor RH is different from the part specified

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "Diagnosis with Air Bag Warning Lamp"</u>.

NOTF:

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

Is malfunctioning part detected?

YES >> Refer to SRC-240, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841870

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.

REPLACE FRONT DOOR SATELLITE SENSOR

- 1. Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-240, "DTC Logic".

Is DTC detected?

YES >> GO TO 2.

NO >> INSPECTION END

2.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u>, "<u>COUPE</u>: <u>Removal and Installation</u>".
- 2. Perform DTC confirmation procedure. Refer to SRC-240, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1343, B1344 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1343, B1344 SATELLITE SENSOR LH

Description INFOID:0000000010841871

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic INFOID:0000000010841872

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1343 B1344	FR-LH DOOR SATEL SENS [SENSOR MALFUNC- TION]	Front door satellite sensor LH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor LH Malfunction in air bag diagnosis sensor unit	E

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107</u>, "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 SRC-241, "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.

3.replace front door satellite sensor

- Replace front door satellite sensor LH. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-241, "DTC Logic"

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END

 $oldsymbol{4}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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B1343, B1344 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-241, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1345, B1347, B1348, B1349 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1345, B1347, B1348, B1349 SATELLITE SENSOR LH

Description INFOID:0000000010841874

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic INFOID:0000000010841875

DTC DETECTION LOGIC

	тс	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B13 B13 B13 B13	47 48	FR-LH DOOR SATEL SENS [COMM MALFUNC- TION]	Front door satellite sensor LH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor LH Malfunction in air bag diagnosis sensor unit	E

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "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 SRC-243, "Diagnosis Procedure".

>> INSPECTION END NO

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 front door satellite sensor

- Replace front door satellite sensor LH. Refer to SR-25. "Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-243, "DTC Logic". 2.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

f 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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INFOID:0000000010841876

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B1345, B1347, B1348, B1349 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-243, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1346 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1346 SATELLITE SENSOR LH

Description INFOID:0000000010841877

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic INFOID:0000000010841878

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1346	FR-LH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor LH is out of the specified specification	Diagnosis sensor unit or front door satellite sensor LH is different from the part specified

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-107, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-245, "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. REPLACE FRONT DOOR SATELLITE SENSOR

- Replace front door satellite sensor LH. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-245, "DTC Logic".

Is DTC detected?

YES >> GO TO 2.

NO >> INSPECTION END

2.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-245, "DTC Logic". 2.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END SRC

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INFOID:0000000010841879

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B1350, B1351 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1350, B1351 SATELLITE SENSOR

Description INFOID.000000010841880

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1350 B1351	FR DOOR SATEL SENS	Front door satellite sensor is malfunctioning or out of the specified specification	Malfunction in front door satellite sensor LH/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 "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- N Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-107, "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-246</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841882

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.

$1.\mathsf{replace}$ both of front door satellite sensors

- Replace both of front door satellite sensors. Refer to <u>SR-25, "Removal and Installation"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-246, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 2.

NO >> INSPECTION END

2.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-246</u>. "<u>DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1378, B1379, B1380, B1381 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE (FOR MEXICO)]

B1378, B1379, B1380, B1381 DIAGNOSIS SENSOR UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	C
B1378 B1379 B1380 B1381	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-107, "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-247</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 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-27, "COUPE: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-247, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC-247 2015 370Z

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

DTC	Diagnostic item		Explanation	Reference page
_	NO DTC IS DETECTED.	When malfunction is indicated by the "AIR BAG" warning lamp in the user mode	Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair Intermittent malfunction is detected in the past	SRC-107, "Di- agnosis with Air Bag Warning Lamp", SRC- 110, "CONSULT Function".
		No malfunction is detec	cted	_
B1001-B1015	CONTROL UNIT	Air bag diagnosis sens	or unit is malfunctioning	• SRC-112. "DTC Logic". • SRC-114. "DTC Logic". • SRC-116. "DTC Logic".
B1026-B1031	CONTROL UNIT	Air bag diagnosis sens specified specification	or unit is malfunctioning or out of the	SRC-118, "DTC Logic".
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is n	nalfunctioning	SRC-120, "DTC Logic".
B1035	CRASH ZONE SEN [COMM FAIL]	Crash zone sensor is n	nalfunctioning or out of the specified	SRC-122, "DTC
B1036	CRASH ZONE SEN [UNMATCH]	specification		<u>Logic"</u> .
B1037 B1039 B1041	CRASH ZONE SEN1	Crash zone sensor is malfunctioning		SRC-124, "DTC Logic".
B1038	CRASH ZONE SEN [OPEN/UPR-VB-SHORT]	Crash zone sensor is malfunctioning		SRC-124, "DTC Logic".
B1040	CRASH ZONE SEN [SHORT/UPR-GND-SHORT]	Crash zone sensor is n	nalfunctioning	SRC-124, "DTC Logic".
B1042-B1047	CONTROL UNIT	Air bag diagnosis sens	or unit is malfunctioning	SRC-126, "DTC Logic".
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module c	rircuit is open (including the spiral cable)	SRC-128, "DTC Logic".
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module of (including the spiral cal	circuit is shorted to power supply circuit ble)	SRC-130, "DTC Logic".
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module c spiral cable)	ircuit is shorted to ground (including the	SRC-132, "DTC Logic".
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module c ing spiral cable)	ircuits are shorted to each other (includ-	SRC-134, "DTC Logic".
B1058-B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning		SRC-136, "DTC Logic".
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open		SRC-138, "DTC Logic".
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag mod circuit	dule circuit is shorted to power supply	SRC-140, "DTC Logic".
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground		SRC-142, "DTC Logic".
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag mod	dule circuits are shorted to each other	SRC-144, "DTC Logic".

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[COUPE (FOR MEXICO)]

DTC	Diagnostic item	Explanation	Reference page
B1074-B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-146, "DTC Logic".
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (including spiral cable)	SRC-148, "DTC Logic".
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	SRC-150, "DTC Logic".
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	SRC-152, "DTC Logic".
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	SRC-154, "DTC Logic".
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	SRC-156, "DTC Logic".
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	SRC-158, "DTC Logic".
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	SRC-160, "DTC Logic".
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	SRC-162, "DTC Logic".
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	SRC-164, "DTC Logic".
B1090-B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-166, "DTC Logic".
B1106-B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-168, "DTC Logic".
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	SRC-170, "DTC Logic".
B1115	SATELLITE SENS RH [COMM FAIL]		SRC-172, "DTC
B1116	SATELLITE SENS RH [UNMATCH]	- Satellite sensor RH is malfunctioning or mis-installed	Logic".
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	SRC-174, "DTC Logic".
B1120	SATELLITE SENS LH [COMM FAIL]	Satellite sensor LH is malfunctioning or mis-installed	SRC-176, "DTC
B1121	SATELLITE SENS LH [UNMATCH]	- Satellite sensor Lm is mailunctioning or mis-installed	<u>Logic"</u> .
B1122-B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-178, "DTC Logic".
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	SRC-180, "DTC Logic".
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	SRC-182, "DTC Logic".
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	SRC-184, "DTC Logic".
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are shorted to each other	SRC-186, "DTC Logic".
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	SRC-188, "DTC Logic".
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	SRC-190, "DTC Logic".
	SIDE MODULE LH		SRC-192, "DTC

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[COUPE (FOR MEXICO)]

DTC	Diagnostic item	Explanation	Reference page
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	SRC-194, "DTC Logic".
B1138-B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-196, "DTC Logic"
B1144	CONTROL UNIT [MISS INSTALLATION]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	SRC-198, "DTC Logic".
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	SRC-199, "DTC Logic".
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	SRC-201, "DTC Logic".
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	SRC-203, "DTC Logic".
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	SRC-205, "DTC Logic".
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	SRC-207, "DTC Logic".
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuits	SRC-209, "DTC Logic".
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	SRC-211, "DTC Logic".
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	SRC-213, "DTC Logic".
B1154-B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-215, "DTC Logic".
B1170-B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-217, "DTC Logic".
B1186-B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-219, "DTC Logic".
B1202-B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-221, "DTC Logic".
B1209	FRONTAL COLLISION DETECTION	Seat belt pre-tensioner, driver side air bag and passenger air bag are deployed	SRC-223, "DTC Logic".
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	SRC-224, "DTC Logic".
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner side curtain air bag module are de- ployed because of rollover detection	SRC-225, "DTC Logic".
B1212-B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	SRC-226, "DTC Logic".
B1215-B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	SRC-228, "DTC Logic".
B1218-B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-230, "DTC Logic".
B1234-B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-232, "DTC Logic".
B1250-B1255	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-233, "DTC Logic".
B1266-B1269	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-233, "DTC Logic".
B1282-B1285	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-233, "DTC Logic".
B1336 B1337	FR-RH DOOR SATEL SENS [SENSOR MALFUNCTION]	Front door satellite sensor RH is malfunctioning	SRC-236, "DTC Logic"

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[COUPE (FOR MEXICO)]

DTC	Diagnostic item	Explanation	Reference page
B1338 B1340 B1341 B1342	FR-RH DOOR SATEL SENS [COMM MALFUNCTION]	Front door satellite sensor RH is malfunctioning	SRC-238, "DTC Logic"
B1339	FR-RH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor RH is out of the specified specification	SRC-240, "DTC Logic"
B1343 B1344	FR-LH DOOR SATEL SENS [SENSOR MALFUNCTION]	Front door satellite sensor LH is malfunctioning	SRC-241, "DTC Logic"
B1345 B1347 B1348 B1349	FR-LH DOOR SATEL SENS [COMM MALFUNCTION]	Front door satellite sensor LH is malfunctioning	SRC-243, "DTC Logic"
B1346	FR-LH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor LH is out of the specified specification	SRC-245, "DTC Logic"
B1350 B1351	FR DOOR SATEL SENS	Front door satellite sensor is malfunctioning	SRC-246, "DTC Logic"
B1378-B1381	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-247, "DTC Logic".

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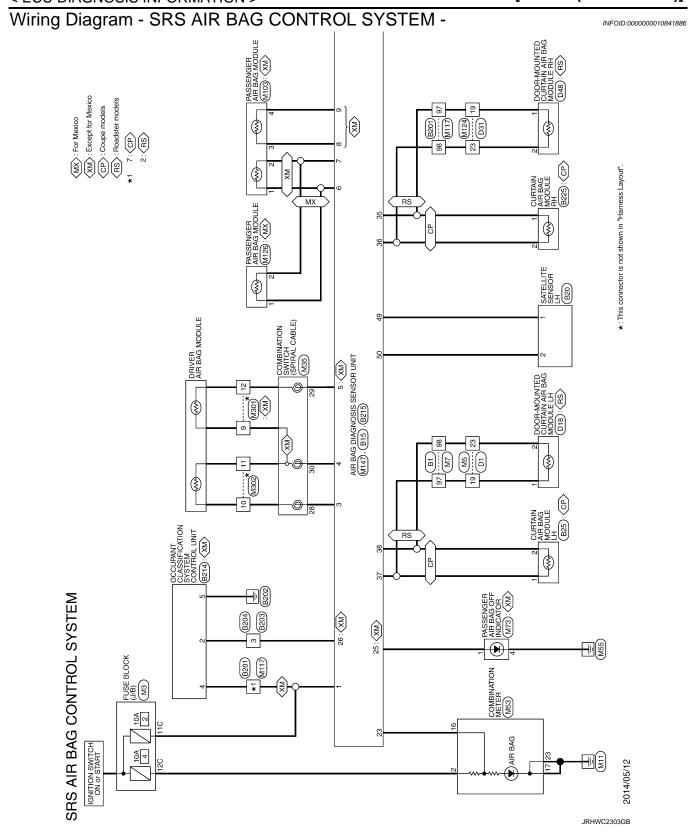
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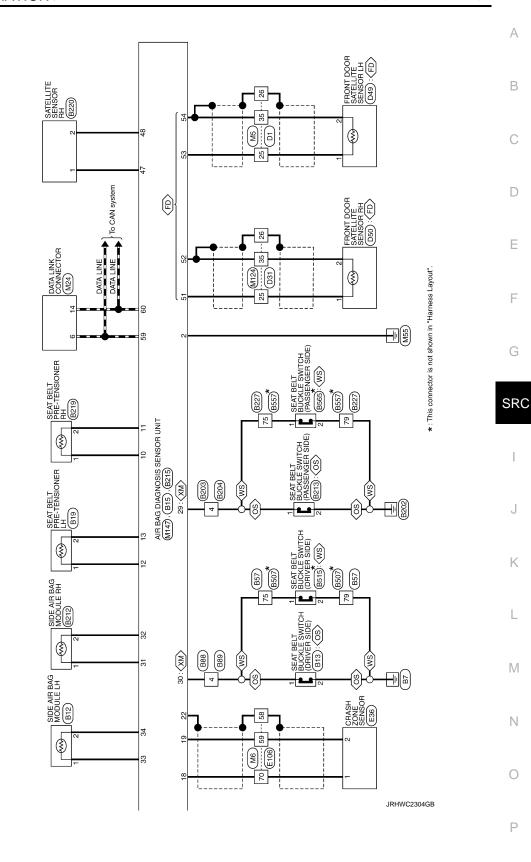
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(XM): Except for Mexico
(WS): With climate controlled seat
(OS): Without climate controlled seat
(FD): With front door satellite sensor

Revision: 2014 September

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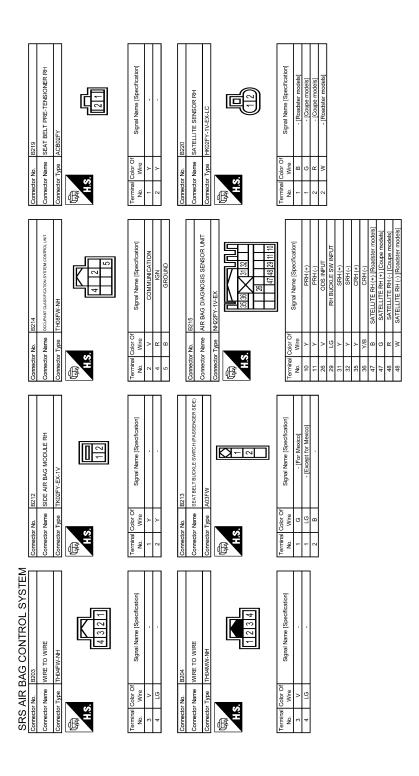
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Connector No. D1	Connector Name WIRE TO WIRE	Connector Type TH40FW-CS15	(15) H (15) H (15) H (15) H (15) E (1	Terminal Color Of Signal Name [Specification]	7 Y 7	·	0 1	10 BG	- >		13 B	14 SB - [Coupe models]	14 Y - [Roadster models]	15 W -	19 Y	Y/B	25 R -	26 SHIELD -	35 G -	44 L .	\dashv	-	49 W	50 LG -	51 R -	52 V -		54 GR -	55 G -				
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SRS AIR BAG CONTROL SYSTEM Connector No. 18225	Jue .	Connector Type ACB02FY	RS.	Terminal Color Of Signal Name [Specification]	1 × 1	2 Y/B -		Connector No B227	00110001100	Connector Name WIRE TO WIRE	Connector Type NS16FW-CS			1010100	82 83 78 70 1 91 92 95	81 80 79 75 77 94 90 100 93				lal	Wire Organia	4	Н	78 G -			1 1 1 B	92 G -	×	Н	- A 56	100 W	

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Connector No D50		H.S. HRUZ-Y-1V-Z-C.C.	Terminal Color Of Signal Name (Specification)	++	$\frac{1}{2}$	Connector No. E36	Connector Name CRASH ZONE SENSOR	Connector Type HK02FY-1V-EX-LC	[E	EHS.			nal	No. Wire	2 L											
		DA8 DOOR-MOUNTED CURTAN AR BAG MODILLE RH ACB02FY			Signal Name [Specification]				FRONT DOOR SATELLITE SENSOR LH	X-LC		Œ)		Signal Name [Specification]										
54 GR	25 L	Connector No. D48 Connector Name D00R4MCUNTED Connector Type ACB02FY	H.S.		Terminal Color Of Sign	H	2 Y/B	Connector No	e e	Connector Type HK02FY-1V-EX-LC	C	S.				nal Color Of	No. Wire	2 G								

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SRS AIR BAG CONTROL SYSTEM	85 BG		╀	Ł	92 L -	93 6	\dashv	+	97 BR -	╁	100 BG -			Connector No. M3	Comector Name Eligin BLOCK / I/B)	CONTROCTON MARINE TO SE BECOOK (3/B)	Connector Type NS12FW-CS	4	10000000000000000000000000000000000000			120 110 100 90				Terminal Color Of Signal Name [Specification]		100	+	4	7 L	2 0	4											

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Connector No. M35		Connector Name COMBINATION SWITCH (SPINAL CABLE)	Connector Type TK06FY-EX-1V	ą	医		23		NS 82 82			la I	Wire		+	- A 67	-		Connector No M53		Connector Name COMBINATION METER	Connector Tuna Tubación Niu	1			13 4 5 8 9 10 12	15 10 10 10 00	◌			<u>a</u>	10	A BATTERY POWER SUPPLY	Z O IGNITION SIGNAL	٠ ۲	, , ,	- α	0	RB COMMIN	<u> </u>) _	1 02	ω	18 V AMBIENT SENSOR SIGNAL	G AICAL	20 GR AMBIENT SENSOR GROUND
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SRS AIR BAG CONTROL SYSTEM												1					[Special models]								,		- Q			- O			- I														
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SRS AIR BAG CONTROL SYSTEM	M117		Connector Name WIRE TO WIRE	TH80MW-CS16-TM4					35 S S S S S S S S S S S S S S S S S S S				Signal Name [Specification]	- Course models	[Roadster models]	- [Roadster models]	- [Conbe models]		- [Coupe models]	[elanoli lagenda]															- [Conbe models]	- (Koadster models)	models							
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SRS AIR BAG CONTROL SYSTEM	Signal Name [Specification]		-
AIR E	Color Of Wire		
SRS	Terminal No.	10	11

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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[COUPE (FOR MEXICO)]

< SYMPTOM DIAGNOSIS >	
SYMPTOM DIAGNOSIS	
SRS AIR BAG WARNING LAMP DOES NOT TURN OF	F
Diagnosis Procedure	INFOID:000000010841887
1. CHECK SELF DIAGNOSIS RESULT	
Perform "AIR BAG" Self Diagnostic Result with CONSULT.	
Is DTC detected?	
YES >> Repair or replace the malfunctioning parts. Refer to SRC-248 , "DTC NO >> GO TO 2.	: Index".
2.CHECK AIR BAG FUSE	
Check 10 A fuse [No.2, located in fuse block (J/B)].	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Replace the fuse.	
3.check harness connector	
Check the harness connector.	
Is the inspection result normal?	
YES >> GO TO 4.	
NO >> Replace harness connectors.	
4.CHECK WIRING HARNESS	
Check the wiring harness externals. Is the inspection result normal?	
YES >> GO TO 5.	
NO >> Replace wiring harness.	
5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace air bag diagnosis sensor unit. Refer to <u>SR-27</u> , "COUPE: Exploded	View".
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 >

[COUPE (FOR MEXICO)]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:0000000010841888

1. CHECK METER FUSE

Check 10 A fuse [No.4, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the fuse.

2. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace harness connectors.

3. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace wiring harness.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

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. 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:000000010841894

- Do not 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 at least 3 minutes or more.
 - For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.
- Diagnosis sensor unit must always be installed with their arrow marks "←" pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not 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.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Precaution for Battery Service

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

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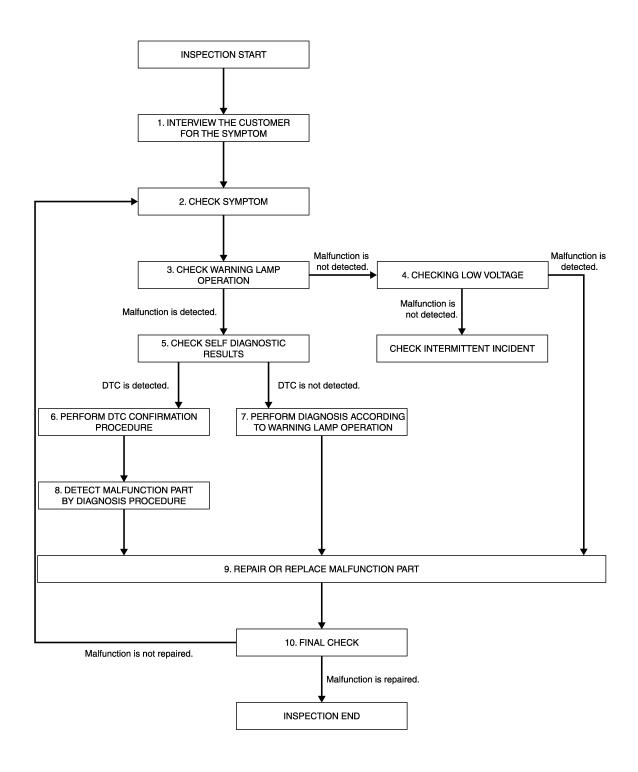
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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



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DIAGNOSIS AND REPAIR WORK FLOW

[ROADSTER] < BASIC INSPECTION > 1. INTERVIEW THE CUSTOMER FOR THE SYMPTOM Α Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs). В >> GO TO 2. 2.CHECK SYMPTOM Check the symptom from the customer information. >> GO TO 3. D 3.CHECK WARNING LAMP OPERATION Check air bag warning lamp operation in the user mode. Refer to SRC-275, "Diagnosis with Air Bag Warning Е Lamp". Are any malfunction detected? YES >> GO TO 5. F NO >> GO TO 4. 4. CHECK LOW VOLTAGE Check low voltage with CONSULT. Refer to SRC-280, "CONSULT Function". Are any malfunction detected? YES >> GO TO 9. NO >> Check intermittent incident. Refer to GI-44, "Intermittent Incident". SRC ${f 5.}$ 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. K · 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. N 7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION Check air bag warning lamp operation in the user mode. Refer to SRC-275, "Diagnosis with Air Bag Warning Lamp". 2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to SRC-275, "Diagnosis with Air Bag Warning Lamp" (USER MODE). Р >> GO TO 9. f 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 > [ROADSTER]

$9.\mathsf{REPAIR}$ OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

>> GO TO 10.

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.

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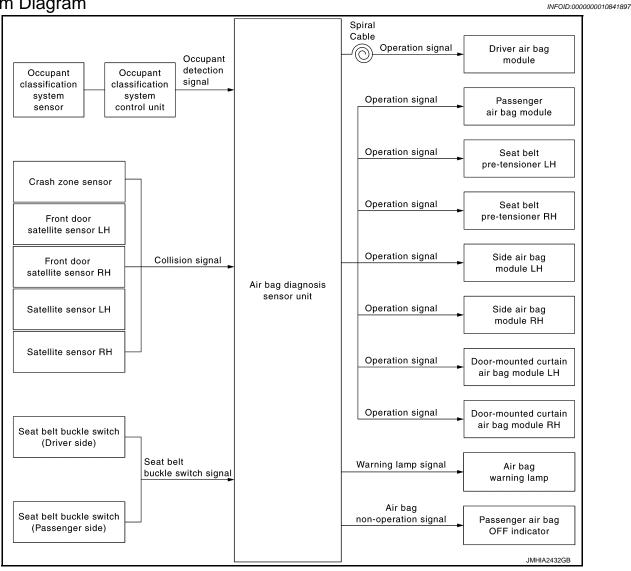
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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram



System Description

INFOID:0000000010841898

Supplemental Restraint System (SRS) activates air bag module and seat 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, or when pressure that is more than the specified limit is detected by front door 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, gas generator 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.

When air bag diagnosis sensor unit detects a rollover of the vehicle, electric igniter (squib) receives power supply, pyrotechnic material is ignited, and then piston is projected.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

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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.

×: Apply —: Not apply

SRS configuration	Frontal collision	Left side collision	Right side collision	Roll over
Driver air bag module	×	_	_	_
Passenger air bag module	×	_	_	_
Seat belt pre-tensioner LH	×	_	_	×
Seat belt pre-tensioner RH	×	_	_	×
Side air bag module LH	_	×	_	_
Side air bag module RH	_	_	×	_
Door-mounted curtain air bag module LH	_	×	_	×
Door-mounted curtain air bag module RH	_	_	×	×

[ROADSTER]

Component Parts Location

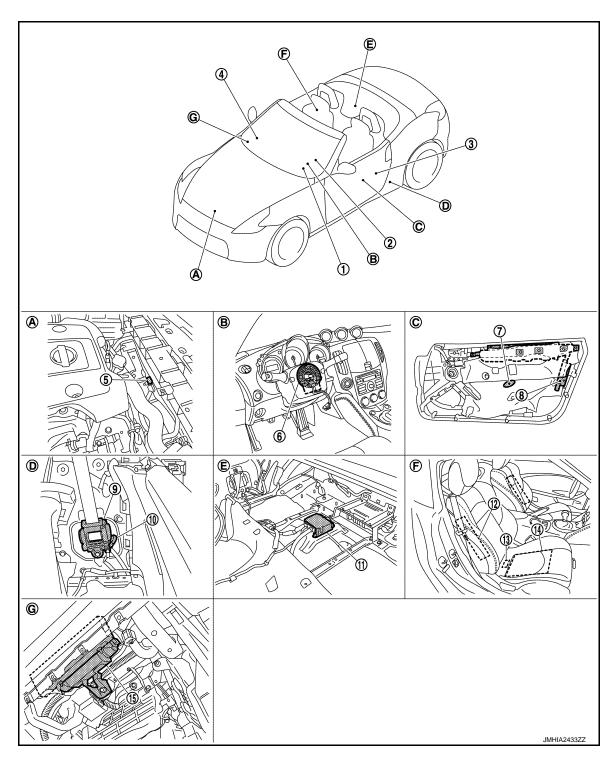
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- 1. Combination meter
- 4. Passenger air bag OFF indicator
- 7. Front door satellite sensor LH
- 10. Satellite sensor LH
- 13. Occupant Classification System control unit
- A. Radiator core support assembly

- 2. Driver air bag module
- 5. Crash zone sensor
- 8. Door-mounted curtain air bag module I H
- 11. Air bag diagnosis sensor unit
- 14. Occupant Classification System seat sensor mat
- B. View with steering wheel removed

- s. Seat belt buckle switch (Driver side)
- 6. Combination switch (spiral cable)
- 9. Seat belt pre-tensioner LH
- 12. Side air bag module RH
- 15. Passenger air bag module
- C. Behind door finisher assembly

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SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

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- D. Behind rear side finisher
- E. Behind seatback center finisher
- F. Passenger seat

G. Behind glove box assembly

Component Description

INFOID:0000000010841900

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 Door-mounted 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-tensioner.
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 Classification 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 bag 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 Classification System.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.
Front door satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.

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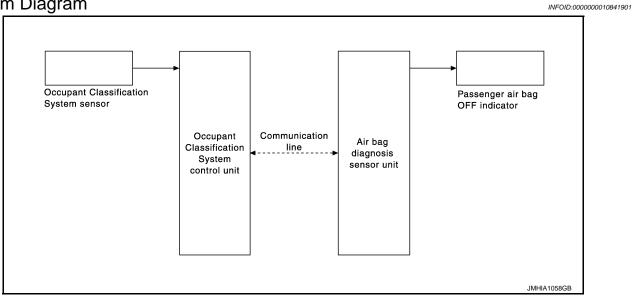
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OCCUPANT CLASSIFICATION SYSTEM

System Diagram



System Description

INFOID:0000000010841902

Occupant Classification System has the following functions.

- Suppresses 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 via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunctioning record via CONSULT.

Status (passenger seat)	Passenger air bag	Passenger air bag OFF indicator	Air bag warning lamp
Empty	Suppress	OFF	OFF
Child/child-seat	Suppress	ON	OFF
Adult	Enable to deploy	OFF	OFF
Malfunction	Suppress	ON	Blinking

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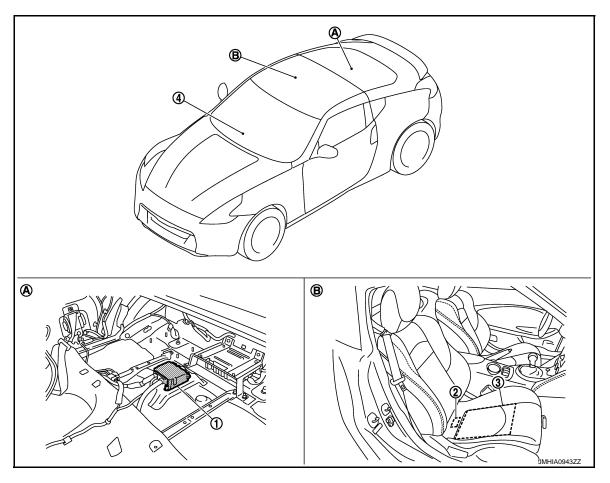
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Component Parts Location

INFOID:0000000010841903



- Air bag diagnosis sensor unit
- 2. Occupant Classification System control unit
- 3. Occupant Classification System seat sensor mat

- Passenger air bag OFF indica-
- Behind seatback center finisher B. Passenger seat

Component Description

INFOID:0000000010841904

Component parts	Outline of function
Occupant Classification System seat sensor mat	Detects if the passenger seat is empty or occupied. It is integrated into the seat cushion and detects the occupants with occupant classification system control unit that classifies the occupants.
Occupant Classification System control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit. It is installed in the passenger seat cushion.
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 Classification System control unit. Passenger air bag OFF indicator turns ON or turns OFF when passenger state signal detected by Occupant Classification System control unit is received.

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION > [ROADSTER]

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Diagnosis Description

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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-diagnostic 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
Diagnosis tool	User mode	Diagnosis mode
Air bag warning lamp	×	×
CONSULT	-	×

Diagnosis with Air Bag Warning Lamp

INFOID:0000000010841906

SELF DIAGNOSIS FUNCTION

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

- USER MODE
- DIAGNOSIS MODE

HOW TO CHANGE TO DIAGNOSIS MODE

- Self 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 TO DIAGNOSIS MODE

- 1. Turn ignition switch from OFF to ON.
- 2. SRS air bag lamp turns ON for 7 second and turns OFF, then turn ignition switch OFF within 1second 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. Self diagnosis mode changes to diagnosis mode.

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

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

Air Bag Warning Lamp Examples

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Air bag warning lamp operation (user mode)	SRS condition	Reference item
ON OFF 7 Sec.	 No malfunction is detected No further action is necessary 	_
IGN ON	The system is malfunctioning Self diagnostic result is not erased after repair	Erase "Self Diagnostic Result" Refer to <u>SRC-280, "CONSULT</u> <u>Function"</u> , How to Erase Self-diagnostic Result
ON OFF	Battery voltage is low (less than 9 V)	Check "CAUSE OF WARNING" with CONSULT Refer to SRC-280, "CONSULT Function"
7 sec. 0.5 sec. 0.5 sec. SHIA0012E	Intermittent malfunction is detected in the past	Go to GI-44, "Intermittent Incident"
	Air bag is deployed Seat belt pre-tensioner is deployed	Go to SRC-392, "Diagnosis Procedure" or SRC-393, "Diagnosis Procedure"
ON OFF	 Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-448, "Diagnosis Procedure"
SHIA0013E		
IGN ON ON OFF	 Air bag diagnosis sensor unit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-449, "Diagnosis Procedure"
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

- Follow the procedures of "PROCEDURE TO CHANGE TO DIAGNOSIS MODE", and switch to the diagnosis mode.
- 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.

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

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

Front air bag system

Number of 0.5 second blinks	Malfunctioning items
0	Self-diagnostic result is not erased after repair Intermittent malfunction is detected in the past
1	Seat belt pre-tensioner RH
2	Driver air bag module
3	Seat belt pre-tensioner LH
5	Occupant Classification System control unit
6	Crash zone sensor
7	Air bag diagnosis sensor unit
8	Passenger air bag module
11	Passenger air bag OFF indicator

Side air bag system

Number of 0.5-second blinks	Malfunctioning items	
1	Side air bag module RH	
2	Side air bag module LH	
3	Satellite sensor RH	
4	Satellite sensor LH	
9	Front door satellite sensor RH	
10	Front door satellite sensor LH	
14	Door-mounted curtain air bag module RH	
15	Door-mounted curtain air bag module LH	

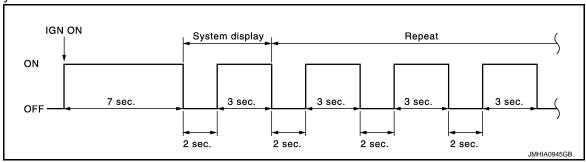
How to Erase Self-diagnostic Result

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-diagnostic 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

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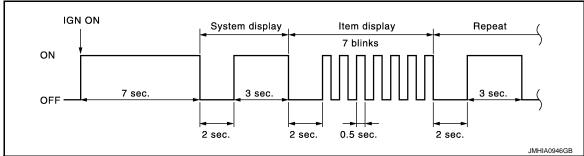
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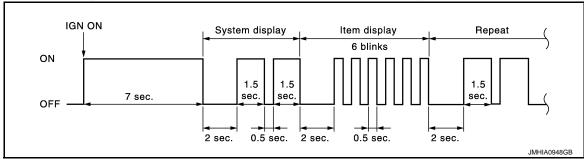
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When air bag diagnosis sensor unit system (Item display 1) is malfunctioning.



Side air bag system

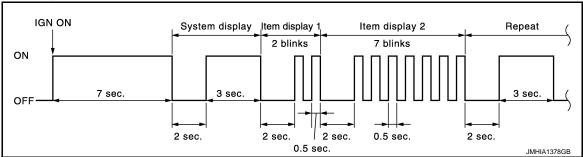
When curtain air bag module LH system (Item display 1) is malfunctioning.



Multiple Systems Malfunction

• Front air bag system

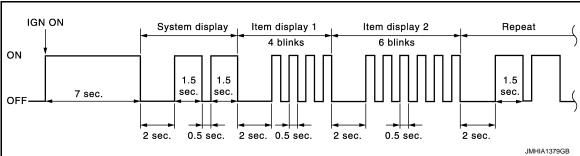
When driver air bag module (Item display 1) and air bag diagnosis sensor unit system (Item display 2) are malfunctioning.



Side air bag system

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





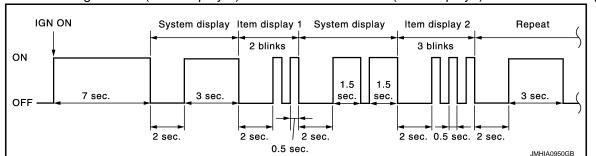
Front air bag system and side air bag system

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

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When driver air bag module (Item display 1) and satellite sensor RH (Item display2) are malfunctioning.



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DIAGNOSIS SYSTEM (AIR BAG)

CONSULT Function

APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
Self Diagnostic Result	 Self-diagnosis result is displayed. Refer to <u>SRC-433</u>, "<u>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 RESULT [CAN]	CAN diagnosis result is displayed.
Cause of Warning Lamp	It displays the cause of warning lamp illumination that is not recorded in memory.

CAUSE OF WARNING LAMP

The SRS air bag warning lamp blinks when the ignition voltage is a voltage value (9V or less) at which the SRS air bag cannot operate normally. After blinking, if the ignition voltage returns to normal, SRS air bag warning lamp turns OFF.DTC memory is not performed while the abnormal ignition voltage is detected. The mode cannot be switched to trouble diagnosis mode when the ignition switch is operated. "No DTC" is displayed when checking "Self-diagnosis result" using CONSULT.

NOTE:

- SRS air bag warning may blink when the condition is out of detection area* of the satellite sensor in door. The system is normal if SRS air bag warning lamp turns OFF after the condition returns within detection area of the satellite sensor in door.
- *: Pressure inside of door is excessively low and air bag system cannot be operated normally (example: altitude is approximately 4,000 m or more).

Display item	Display content	Actions by worker
IGN VOLT COND	The ignition voltage recognized by air bag system (air bag control unit and occupant detection system control unit) is displayed or a message stating that condition is out of detection range of satellite sensor in door is displayed. OK: Normal LOW: The ignition voltage is low, high, or out of detection range of satellite sensor in door	Perform the check at an altitude of 4,000 m or less. • Check battery voltage if the ignition voltage
LOW VOLT TIME	Total number of times is displayed, summing up the number of times ignition voltage error is detected and the number of times that out of detection range of satellite sensor in door is detected. (Detection record is erased and counter returns to "0" by "ERASE MEMORY" in "Self-diagnosis results" using CONSULT.)	status is displayed as "LOW". • Check battery voltage if the ignition voltage status is "OK" and the number of times detected is 1 or more. This is because an ignition voltage error may be detected in the past. NOTE: If battery voltage is normal, the cause may be
LOW V RECORED	Number of times ignition switch ON is displayed after ignition voltage error or out of detection range of satellite sensor in door is detected. (Detection record is erased and counter returns to "0" by "ERASE MEMORY" in "Self-diagnosis results" using CONSULT.)	that out of detection range of satellite sensor in door is detected.

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DTC/CIRCUIT DIAGNOSIS

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

Description INFOID:0000000010841908

- 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:0000000010841909

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(I) With CONSULT

- 1. 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-275</u>, "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 SRC-281, "Diagnosis Procedure".

>> INSPECTION END NO

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?

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 air bag diagnosis sensor unit

Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".

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

< DTC/CIRCUIT DIAGNOSIS >

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2. Perform DTC confirmation procedure. Refer to SRC-281, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841911

 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:0000000010841912

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) 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 SRC-275, "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 SRC-283, "Diagnosis Procedure".

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?

YES >> GO TO 2.

NO >> Replace harness connectors.

CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YFS >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- Perform DTC confirmation procedure. Refer to SRC-283, "DTC Logic"

Is DTC detected?

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841914

 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:0000000010841915

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 CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

>> Refer to SRC-285, "Diagnosis Procedure". YES

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"

Is DTC detected?

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Perform DTC confirmation procedure. Refer to SRC-285, "DTC Logic"

SRC-285 Revision: 2014 September 2015 370Z

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

YES >> GO TO 1.

NO >> INSPECTION END

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

Description INFOID:0000000010841917

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

DTC Logic INFOID:0000000010841918

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result with CONSULT.
- ₩ Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-287, "Diagnosis Procedure".

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-287, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

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INFOID:0000000010841919

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B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

>> INSPECTION END

4. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

- Replace passenger seat cushion assembly. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-287, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[ROADSTER]

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B1018 OCCUPANT SYSTEM SENSOR

Description INFOID:0000000010841920

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

DTC Logic INFOID:0000000010841921

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Occupant Classification System sensor is malfunctioning	 Disconnection of wiring harness Malfunction in Occupant Classification System sensor Malfunction in Occupant Classification System control unit Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result with CONSULT.

₩ Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-289, "Diagnosis Procedure".

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-289, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

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INFOID:0000000010841922

SRC-289

B1018 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

NO >> INSPECTION END

4. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT AND SENSOR

- Replace passenger seat cushion assembly. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-289, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1022 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1022 OCCUPANT SYSTEM CONTROL UNIT

Description INFOID:0000000010841923

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

DTC Logic INFOID:0000000010841924

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1022	OCCUPANT SENS C/U	 Internal malfunction of Occupant Classification System control unit Malfunction of circuit between Occupant Classification System control unit and Air 	Disconnection of wiring harness Malfunction in Occupant Classification System	Е
	[COMM FAIL]	bag diagnosis sensor unitMalfunction of Air bag diagnosis sensor unit	control unit Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result with CONSULT.

Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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?

>> Refer to SRC-291, "Diagnosis Procedure". YES

>> INSPECTION END NO

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-291, "DTC Logic".

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INFOID:0000000010841925

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SRC-291 Revision: 2014 September 2015 370Z

B1022 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

- Replace passenger seat cushion assembly. Refer to <u>SE-83. "Exploded View"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-291, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1023 PASSENGER AIR BAG OFF INDICATOR

Description INFOID:0000000010841926

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

DTC Logic INFOID:0000000010841927

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Passenger air bag OFF indicator circuit is open or shorted to ground or the circuits are shorted each other	9

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result with CONSULT.

₩ Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-293, "Diagnosis Procedure".

Never use unspecified tester or other measuring device.

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.)

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-293, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010841928

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B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. CHECK PASSENGER AIR BAG OFF INDICATOR

- 1. Replace passenger air bag OFF indicator.
- 2. Perform DTC confirmation procedure. Refer to SRC-293, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

Description INFOID:0000000010841929

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

DTC Logic INFOID:0000000010841930

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D
B1025 B1032	OCS SENSOR	 Internal malfunction of Occupant Classification System control unit Malfunction of circuit between Occupant Classification System control unit and Air 	Disconnection of wiring harness Malfunction in Occupant Classification System	Е
B1048		bag diagnosis sensor unitMalfunction of Air bag diagnosis sensor unit	control unit Malfunction in air bag diagnosis sensor unit	F

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result with CONSULT.

Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-295, "Diagnosis Procedure".

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

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.

3.replace air bag diagnosis sensor unit

- Perform DTC confirmation procedure. Refer to SRC-295, "DTC Logic".

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INFOID:0000000010841931

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Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".

SRC-295 Revision: 2014 September 2015 370Z

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

- Replace passenger seat cushion assembly. Refer to <u>SE-83. "Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-295, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT [ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841932

 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:0000000010841933

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-297, "Diagnosis Procedure".

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?

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 air bag diagnosis sensor unit

- 1.
- Perform DTC confirmation procedure. Refer to SRC-297, "DTC Logic".

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INFOID:0000000010841934

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Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".

SRC-297 Revision: 2014 September 2015 370Z

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1033, B1034 CRASH ZONE SENSOR

Description INFOID:0000000010841935

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:0000000010841936

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is malfunctioning	 Disconnection of wiring harness Malfunction in crash zone sensor Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- 1. 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 SRC-275, "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 SRC-299, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010841937

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-299, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.REPLACE CRASH ZONE SENSOR

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B1033, B1034 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace crash zone sensor. Refer to SR-23, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-299, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1035 CRASH ZONE SENSOR

Description INFOID:0000000010841938

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1035	CRASH ZONE SEN [COMM FAIL]	Crash zone sensor is malfunctioning	 Disconnection of wiring harness Malfunction in crash zone sensor Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-301, "Diagnosis Procedure".

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?

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 air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE: Exploded View"</u>.
- 2. Perform DTC confirmation procedure. Refer to SRC-301, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END

4. REPLACE CRASH ZONE SENSOR

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INFOID:0000000010841940

SRC-301

B1035 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- Replace crash zone sensor. Refer to <u>SR-23. "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-301, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1036 CRASH ZONE SENSOR

Description INFOID:0000000010841941

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:0000000010841942

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1036	CRASH ZONE SEN [UNMATCH]	Crash zone sensor is out of the specified specification	Diagnosis sensor unit or crash zone sensor is different from the part specified

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

>> Refer to SRC-303, "Diagnosis Procedure". YES

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-303, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE CRASH ZONE SENSOR

Replace crash zone sensor. Refer to SR-23, "Exploded View".

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INFOID:0000000010841943

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SRC-303 Revision: 2014 September 2015 370Z

B1036 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

2. Perform DTC confirmation procedure. Refer to <u>SRC-303, "DTC Logic"</u>. <u>Is DTC detected?</u>

YES >> GO TO 1.

B1037, B1038, B1039, B1040, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1037, B1038, B1039, B1040, B1041 CRASH ZONE SENSOR

Description INFOID:000000010841944

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

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detecting condition	Possible cause	
B1037 B1039 B1041	CRASH ZONE SENS1		Disconnection of wiring harness	
B1038	CRASH ZONE SEN [OPEN/UPR-VB-SHORT]	Crash zone sensor is malfunctioning		
B1040	CRASH ZONE SEN [SHORT/UPR-GND-SHORT]			

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.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-305</u>, "<u>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?

YES >> GO TO 2.

NO >> Replace harness connectors.

CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

REPLACE CRASH ZONE SENSOR

- Replace crash zone sensor. Refer to <u>SR-23, "Removal and Installation"</u>.
- Perform DTC confirmation procedure. Refer to SRC-305, "DTC Logic".

Is DTC detected?

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B1037, B1038, B1039, B1040, B1041 CRASH ZONE SENSOR

[ROADSTER] < DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to <u>SR-29</u>, "<u>ROADSTER</u>: <u>Removal and Installation</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-305</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:0000000010841947

 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:0000000010841948

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-307, "Diagnosis Procedure".

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.)

SRC-307

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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-307, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1049, B1054 DRIVER AIR BAG MODULE

Description INFOID:0000000010841950

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:0000000010841951

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-309, "Diagnosis Procedure".

>> INSPECTION END NO

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?

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.CHECK SPIRAL CABLE CIRCUIT

- Turn ignition switch OFF.
- Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

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B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Terminal	Terminal	Continuity
10	28	Existed
11	30	
12	29	
9	30	

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination switch (spiral cable)			Continuity
Connector	Terminal		Continuity
MOOO	10	Ground	
M302	11	Ground	Not existed
M301	12		Not existed
IVIOUT	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-309, "DTC Logic".

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-309, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1050, B1055 DRIVER AIR BAG MODULE

Description INFOID:000000010841953

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-275, "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-311</u>, "<u>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?

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.CHECK SPIRAL CABLE CIRCUIT

- Turn ignition switch OFF.
- Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between combination switch (spiral cable) terminals.

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INFOID:0000000010841955

SRC-311

B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Terminal	Terminal	Continuity
10	28	
11	30	Existed
12	29	LAISIEU
9	30	

4. Check continuity between combination switch (spiral cable) and ground.

Combination switch (spiral cable)			Continuity
Connector	Terminal		Continuity
MOOO	10	Ground	
M302	11	Ground	Not existed
M301	12		Not existed
IVIOUT	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-311, "DTC Logic".

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-311, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1051, B1056 DRIVER AIR BAG MODULE

Description INFOID:000000010841956

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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1051 B1056	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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-275, "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-313, "Diagnosis Procedure".

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?

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.CHECK SPIRAL CABLE CIRCUIT

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

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B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Terminal	Terminal	Continuity
10	28	
11	30	Existed
12	29	LAISIEU
9	30	

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination switch (spiral cable)			Continuity
Connector	Terminal		Continuity
M302	10	Ground	
IVI3U2	11	Ground	Not existed
M301	12		Not existed
IVISUT	9		

SRC-314

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14, "Exploded View"</u>.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-313, "DTC Logic".

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to SR-11, "Exploded View"
- Perform DTC confirmation procedure. Refer to <u>SRC-313</u>, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1052, B1057 DRIVER AIR BAG MODULE

Description INFOID:000000010841959

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

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

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.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-315, "Diagnosis Procedure".

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?

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. CHECK SPIRAL CABLE CIRCUIT

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

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INFOID:0000000010841961

B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Terminal	Terminal	Continuity
10	28	
11	30	Existed
12	29	LAISIEU
9	30	

4. Check continuity between combination switch (spiral cable) terminal and ground.

Combination switch (spiral cable)			Continuity
Connector	Terminal		Continuity
M302	10	Ground	
IVI3U2	11	Ground	Not existed
M301	12		Not existed
IVISUT	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to SR-14, "Exploded View".

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-315, "DTC Logic".

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to SR-11, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-315, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:0000000010841962

 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:0000000010841963

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-317, "Diagnosis Procedure".

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?

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 air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-317, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1065, B1070 PASSENGER AIR BAG MODULE

Description INFOID:0000000010841965

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:0000000010841966

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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-319, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-319, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END SRC

INFOID:0000000010841967

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B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE PASSENGER AIR BAG MODULE

- Replace passenger air bag module. Refer to <u>SR-17, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-319, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

>> INSPECTION END NO

B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1066, B1071 PASSENGER AIR BAG MODULE

Description INFOID:0000000010841968

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:0000000010841969

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-321, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-321, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010841970

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B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE PASSENGER AIR BAG MODULE

- Replace passenger air bag module. Refer to <u>SR-17, "Exploded View"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-321, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

>> INSPECTION END NO

B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1067, B1072 PASSENGER AIR BAG MODULE

Description INFOID:0000000010841971

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:0000000010841972

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-323, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-323, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END SRC

INFOID:0000000010841973

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B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE PASSENGER AIR BAG MODULE

- Replace passenger air bag module. Refer to <u>SR-17, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-323, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

>> INSPECTION END NO

B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1068, B1073 PASSENGER AIR BAG MODULE

Description INFOID:0000000010841974

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:0000000010841975

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 CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-325, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-325, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010841976

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B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE PASSENGER AIR BAG MODULE

- Replace passenger air bag module. Refer to <u>SR-17, "Exploded View"</u> Perform DTC confirmation procedure. Refer to <u>SRC-325, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010841977

 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:0000000010841978

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- (P) Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-327, "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 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.
- Perform DTC confirmation procedure. Refer to SRC-327, "DTC Logic".

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Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1080, B1096 DRIVER AIR BAG MODULE

Description INFOID:0000000010841980

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:0000000010841981

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-329, "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.

3.CHECK SPIRAL CABLE CIRCUIT

- Turn ignition switch OFF.
- Disconnect driver air bag module connector and combination switch (spiral cable) connector.
- Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

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INFOID:0000000010841982

B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

2015 370Z

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M302	10	- M35	28	
	11		30	Existed
M204	12		29	Existed
M301	9		30	

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

Driver side a	ir bag module		Continuity
Connector	Connector Terminal		Continuity
M302	10	Ground	Not existed
IVISUZ	11		
M301	12		
IVISUT	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace combination switch (spiral cable). Refer to <u>SR-14</u>, "Exploded View".

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-329, "DTC Logic".

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

- 1. Replace driver air bag module. Refer to SR-11, "Exploded View"
- Perform DTC confirmation procedure. Refer to <u>SRC-329</u>, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[ROADSTER]

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B1081 SEAT BELT PRE-TENSIONER RH

Description INFOID:0000000010841983

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:0000000010841984

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1081	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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) 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 SRC-275, "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 SRC-331, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-11, "Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-331, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

>> INSPECTION END NO

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INFOID:0000000010841985

SRC-331

B1081 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SR-31, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-331, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1082 SEAT BELT PRE-TENSIONER RH

Description INFOID:0000000010841986

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:0000000010841987

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-333, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-333, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

>> INSPECTION END NO

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B1082 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SR-31, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-333, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1083 SEAT BELT PRE-TENSIONER RH

Description INFOID:0000000010841989

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:0000000010841990

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-335, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-335, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

>> INSPECTION END NO

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B1083 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SR-31, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-335, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1084 SEAT BELT PRE-TENSIONER RH

Description INFOID:0000000010841992

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:0000000010841993

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-337, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-337, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

>> INSPECTION END NO

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B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner RH. Refer to <u>SR-31, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-337, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1086 SEAT BELT PRE-TENSIONER LH

Description INFOID:000000010841995

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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 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-275, "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-339</u>, "<u>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

Is the inspection result normal?

Check the wiring harness externals.

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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-339, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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B1086 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SR-31</u>, "<u>Removal and Installation</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-339</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1087 SEAT BELT PRE-TENSIONER LH

Description INFOID:000000010841998

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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 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-275, "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-341</u>, "<u>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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-341, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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Revision: 2014 September

B1087 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SR-31, "Removal and Installation"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-341, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1088 SEAT BELT PRE-TENSIONER LH

Description INFOID:0000000010842001

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:0000000010842002

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-343, "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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Is the inspection result normal?

Check the wiring harness externals.

YES >> GO TO 3.

NO >> Replace wiring harness.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-343, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

>> INSPECTION END NO

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B1088 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SR-31</u>, "<u>Removal and Installation</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-343</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1089 SEAT BELT PRE-TENSIONER LH

Description INFOID:0000000010842004

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:0000000010842005

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-345, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-345, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

>> INSPECTION END NO

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B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SEAT BELT PRE-TENSIONER

- Replace seat belt pre-tensioner LH. Refer to <u>SR-31</u>, "<u>Removal and Installation</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-345</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:0000000010842007

 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:0000000010842008

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

Turn ignition switch ON.

Perform "AIR BAG" Self Diagnostic Result.

Turn ignition switch ON.

Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-347, "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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-347, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:000000010842010

• 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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

1. Turn ignition switch ON.

Perform "AIR BAG" Self Diagnostic Result.

(Without CONSULT

Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-275, "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-349</u>, "<u>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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-349, "DTC Logic".

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INFOID:0000000010842012

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[ROADSTER]

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B1113, B1114 SATELLITE SENSOR RH

Description INFOID:0000000010842013

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:0000000010842014

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	L
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 	ı

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-351, "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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-351, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842015

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B1113, B1114 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SATELLITE SENSOR

- 1. Replace satellite sensor RH. Refer to SR-31, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-351, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[ROADSTER]

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B1115 SATELLITE SENSOR RH

Description INFOID:0000000010842016

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:0000000010842017

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) 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 SRC-275, "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 SRC-353, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-353, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842018

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B1115 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SATELLITE SENSOR

- Replace satellite sensor RH. Refer to <u>SR-25</u>, "<u>Exploded View</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-353</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1116 SATELLITE SENSOR RH

Description INFOID:0000000010842019

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:0000000010842020

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 satellite sensor RH is dif- ferent from the part specified

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-355, "Diagnosis Procedure".

>> INSPECTION END NO

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-355, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE SATELLITE SENSOR

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INFOID:0000000010842021

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B1116 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor RH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-355, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[ROADSTER]

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B1118, B1119 SATELLITE SENSOR LH

Description INFOID:0000000010842022

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:0000000010842023

DTC DETECTION LOGIC

į	DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
٠	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 	[

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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-357</u>, "<u>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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-357, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842024

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B1118, B1119 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SATELLITE SENSOR

- Replace satellite sensor LH. Refer to <u>SR-25, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-357, "DTC Logic"</u>

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1120 SATELLITE SENSOR LH

Description INFOID:0000000010842025

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:0000000010842026

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) With CONSULT

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-359, "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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-359, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-359 Revision: 2014 September 2015 370Z

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INFOID:0000000010842027

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B1120 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SATELLITE SENSOR

- Replace satellite sensor LH. Refer to <u>SR-25</u>, "<u>Exploded View</u>".
 Perform DTC confirmation procedure. Refer to <u>SRC-359</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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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

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 satellite sensor RH is dif- ferent from the part specified

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

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

(R) Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-361</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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-361, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE SATELLITE SENSOR

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INFOID:0000000010842030

Revision: 2014 September

B1121 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor LH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-361, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:0000000010842031

 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:0000000010842032

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-363, "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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-363, "DTC Logic".

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INFOID:0000000010842033

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

[ROADSTER]

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B1129 SIDE AIR BAG MODULE RH

Description INFOID:000000010842034

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 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. SRC-275, "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-365</u>, "<u>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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-365, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010842036

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SRC-365

B1129 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SR-19</u>. "Exploded View".
 Perform DTC confirmation procedure. Refer to <u>SRC-365</u>, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1130 SIDE AIR BAG MODULE RH

Description INFOID:0000000010842037

In case of side 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:0000000010842038

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-367, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-367, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842039

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B1130 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-367, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1131 SIDE AIR BAG MODULE RH

Description INFOID:000000010842040

In case of side 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

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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-369, "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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-369, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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B1131 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-369, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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B1132 SIDE AIR BAG MODULE RH

Description INFOID:0000000010842043

In case of side 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:0000000010842044

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in side air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-371, "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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-371, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842045

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SRC-371

B1132 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module RH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-371, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1134 SIDE AIR BAG MODULE LH

Description INFOID:000000010842046

In case of side 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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-373, "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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to <u>SRC-373, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010842048

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B1134 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-373, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1135 SIDE AIR BAG MODULE LH

Description INFOID:000000010842049

In case of side 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

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- 2. Perform "AIR BAG" Self Diagnostic Result.
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-375, "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 SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-375, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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B1135 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-375, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1136 SIDE AIR BAG MODULE LH

Description INFOID:0000000010842052

In case of side 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:0000000010842053

DTC DETECTION LOGIC

DTC	Display contents of 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 CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-377, "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.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-377, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842054

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B1136 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-377, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1137 SIDE AIR BAG MODULE LH

Description INFOID:0000000010842055

In case of side 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:0000000010842056

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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 SRC-275, "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 SRC-379, "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.)

SRC-379

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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-379, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END SRC

INFOID:0000000010842057

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B1137 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. REPLACE SIDE AIR BAG MODULE

- Replace side air bag module LH. Refer to <u>SE-83, "Exploded View"</u>.
 Perform DTC confirmation procedure. Refer to <u>SRC-379, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT [ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010842058

 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:0000000010842059

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

(P) 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 SRC-275, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-381, "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.

CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-381, "DTC Logic".

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INFOID:0000000010842060

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1144 DIAGNOSIS SENSOR UNIT

Description INFOID:0000000010842061

 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:0000000010842062

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause
B1144	CONTROL UNIT [MISS INSTALLATION]	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.
- Perform "AIR BAG" Self Diagnostic Result.

₩ Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-383, "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 connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-383, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

SRC-383 Revision: 2014 September 2015 370Z

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INFOID:0000000010842063

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:000000010842064

 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

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

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-384</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842066

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.

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 air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-384, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:000000010842067

 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

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

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-386</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842069

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.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-386, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:000000010842070

 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

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

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- ₩ Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-388</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842072

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.

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 AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-388, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Description INFOID:000000010842073

 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

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

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- (R) Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-390</u>, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842075

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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-390, "DTC Logic".

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

B1209 FRONTAL COLLISION DETECTION

Description INFOID:000000010842076

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

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- With CONSULT
- 1. 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-275, "Diagnosis with Air Bag Warning Lamp"</u>.

NOTF:

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-392</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842078

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-5</u>, "<u>FOR FRONTAL COLLISION</u>: When <u>SRS</u> is activated in a collision" or <u>SR-6</u>, "<u>FOR FRONTAL COLLISION</u>: When <u>SRS</u> is not activated in a collision".

Iscollision 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 >> Peform diagnosis of applicable DTC.Refer to SRC-433, "DTC Index".

B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1210 SIDE COLLISION DETECTION

Description INFOID:000000010842079

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 CONSULT	DTC detecting condition	Possible cause	D
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	_	Е

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT

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

₩ Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-393</u>, "<u>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-7</u>, "FOR SIDE AND ROLLOVER COLLISION: When SRS is activated in a collision" or SR-8, "FOR SIDE AND ROLLOVER COLLISION: When SRS is not activated in a collision".

<u>Iscollision diagnosis complete?</u>

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 >> Peform diagnosis of applicable DTC.Refer to SRC-433, "DTC Index".

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INFOID:0000000010842081

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[ROADSTER]

B1211 ROLLOVER DETECTION

Description INFOID:000000010842082

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

DTC DETECTION LOGIC

With CONSULT

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P)With CONSULT

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

®Without CONSULT

- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-394</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842084

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-7</u>, "FOR SIDE AND ROLLOVER COLLISION: When <u>SRS</u> is activated in a collision" or <u>SR-8</u>, "FOR SIDE AND ROLLOVER COLLISION: When <u>SRS</u> is not activated in a collision".

Iscollision 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 >> Peform diagnosis of applicable DTC.Refer to SRC-433, "DTC Index".

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-275, "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-395, "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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-395, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE SATELLITE SENSOR

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INFOID:0000000010842087

B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor RH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-395, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) 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-275, "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-397</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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-397, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE SATELLITE SENSOR

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INFOID:0000000010842090

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SRC-397

B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace satellite sensor LH. Refer to SR-25, "Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-397, "DTC Logic"

Is DTC detected?

YES >> GO TO 1.

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT [ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

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

Description INFOID:0000000010842091

 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:0000000010842092

DTC DETECTION LOGIC

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

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "Diagnosis with Air Bag Warning Lamp".

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

Is malfunctioning part detected?

YES >> Refer to SRC-399, "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 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

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View". 1.
- Perform DTC confirmation procedure. Refer to SRC-399, "DTC Logic".

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INFOID:0000000010842093

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

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

Is DTC detected?

YES >> GO TO 1.

B1234, B1235, B1236, B1237, B1238, B1239 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1234, B1235, B1236, B1237, B1238, B1239 DIAGNOSIS SENSOR UNIT

DTC Logic INFOID:0000000010842094

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1234 B1235 B1236 B1237 B1238 B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-401, "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 connectors.

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

- Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-401, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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INFOID:0000000010842095

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Revision: 2014 September

B1250, B1251, B1252, B1253, B1254, B1255 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

B1250, B1251, B1252, B1253, B1254, B1255 DIAGNOSIS SENSOR UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1250 B1251 B1252 B1253 B1254 B1255	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-402, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842097

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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-402, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1257 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1257 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010842098

In case of side 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:0000000010842099

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1257	FR-RH DOOR MNT MODULE [OPEN]	Door-mounted curtain air bag module RH circuit is open	 Disconnection of wiring harness and open Malfunction in side door-mounted curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-403, "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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-403, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END

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INFOID:0000000010842100

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B1257 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module RH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-403, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1258 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1258 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

Description INFOID:000000010842101

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1258	FR-RH DOOR MNT MODULE [VB-SHORT]	Door-mounted curtain air bag module RH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in door-mounted 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 SRC-275, "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 SRC-405, "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.

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-27, "COUPE: Exploded View".
- 2. Perform DTC confirmation procedure. Refer to SRC-405, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

Revision: 2014 September SRC-405 2015 370Z

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B1258 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module RH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-405, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1259 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1259 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010842104

In case of side 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:0000000010842105

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1259	FR-RH DOOR MNT MODULE [GND-SHORT]	Door-mounted curtain air bag module RH circuit is shorted to ground	 Disconnection of wiring harness and short Malfunction in door-mounted curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "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 SRC-407, "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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-407, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-407 Revision: 2014 September 2015 370Z

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INFOID:0000000010842106

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B1259 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module RH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-407, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1260 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1260 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

Description INFOID:000000010842107

In case of side 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

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1260	FR-RH DOOR MNT MODULE [SHORT]	Door-mounted curtain air bag module RH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in door-mounted curtain air bag module RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. 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-275, "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-409</u>, "<u>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.

 $\mathbf{2}.$ 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-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to <u>SRC-409</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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B1260 DOOR-MOUNTED CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module RH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-409, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1262 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1262 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

Description INFOID:0000000010842110

In case of side 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:0000000010842111

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1262	FR-LH DOOR MNT MODULE [OPEN]	Door-mounted curtain air bag module LH circuit is open	 Disconnection of wiring harness and open Malfunction in door-mounted curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-411, "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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-411, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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INFOID:0000000010842112

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B1262 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module LH. Refer to SR-21, "Removal and Installation"
- 2. Perform DTC confirmation procedure. Refer to SRC-411, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1263 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

B1263 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

Description INFOID:0000000010842113

In case of side 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:0000000010842114

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1263	FR-LH DOOR MNT MODULE [VB-SHORT]	Door-mounted curtain air bag module LH circuit is shorted to power supply circuit	 Disconnection of wiring harness and short Malfunction in door-mounted curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275</u>, "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 SRC-413, "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.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-413, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

SRC-413 Revision: 2014 September 2015 370Z

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INFOID:0000000010842115

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B1263 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module LH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-413, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1264 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1264 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

Description INFOID:0000000010842116

In case of side 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:0000000010842117

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1264	FR-LH DOOR MNT MODULE [GND-SHORT]	Door-mounted curtain air bag module LH circuit is shorted to ground	Disconnection of wiring harness and short Malfunction in door-mounted curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-415, "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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-415, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END

SRC-415

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INFOID:0000000010842118

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B1264 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module LH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-415, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1265 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1265 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

Description INFOID:0000000010842119

In case of side 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:0000000010842120

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1265	FR-LH DOOR MNT MODULE [SHORT]	Door-mounted curtain air bag module LH circuits are shorted to each other	 Disconnection of wiring harness and short Malfunction in door-mounted curtain air bag module LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- With CONSULT
- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.
- Without CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-417, "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.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- Perform DTC confirmation procedure. Refer to SRC-417, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

Revision: 2014 September

NO >> INSPECTION END

SRC-417

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INFOID:0000000010842121

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B1265 DOOR-MOUNTED CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS > [ROADSTER]

4. REPLACE DOOR-MOUNTED CURTAIN AIR BAG MODULE

- 1. Replace door-mounted curtain air bag module LH. Refer to SR-21, "Exploded View"
- 2. Perform DTC confirmation procedure. Refer to SRC-417, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1266, B1267, B1268, B1269 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1266, B1267, B1268, B1269 DIAGNOSIS SENSOR UNIT

DTC Logic INFOID:0000000010842122

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	
B1266 B1267 B1268 B1269	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit	

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-419, "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 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

- Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-419, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END SRC

INFOID:0000000010842123

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B1282, B1283, B1284, B1285 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

B1282, B1283, B1284, B1285 DIAGNOSIS SENSOR UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1282 B1283 B1284 B1285	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-420, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842125

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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-420, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1336, B1337 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1336, B1337 SATELLITE SENSOR RH

Description INFOID:0000000010842126

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CON- SULT	DTC detecting condition	Possible cause	D
B1336 B1337	FR-RH DOOR SATEL SENS [SENSOR MALFUNC- TION]	Front door satellite sensor RH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor RH Malfunction in air bag diagnosis sensor unit	Е

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to .

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-421, "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 front door satellite sensor

- 1. Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-421, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

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NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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INFOID:0000000010842128

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SRC-421

B1336, B1337 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-421, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

B1338, B1340, B1341, B1342 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1338, B1340, B1341, B1342 SATELLITE SENSOR RH

Description INFOID:0000000010842129

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic INFOID:0000000010842130

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	[
B1338 B1340 B1341 B1342	FR-RH DOOR SATEL SENS [COMM MALFUNC- TION]	Front door satellite sensor RH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor 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.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-423, "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.

CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.replace front door satellite sensor

- Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-423, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

 $oldsymbol{4}.$ REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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INFOID:0000000010842131

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B1338, B1340, B1341, B1342 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-423, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 1.

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	Description A				
·	or satellite sensor outp	outs voltage signal of pressure inside	the front door.	В	
DTC DE	TECTION LOGIC			С	
DTC	Display contents of CONSULT	DTC detecting condition	Possible cause	D	
B1339	FR-RH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor RH is out of the specified specification	Diagnosis sensor unit or front door satellite sensor RH is different from the part specified	E	
4	NFIRMATION PRO K SELF-DIAG RESUL			F	
1. Turn	CONSULT ignition switch ON. orm "Self Diagnostic R	esult" mode of "AIR BAG" using CON	ISULT.	G	
1. Turn	ut CONSULT ignition switch ON.	Jamp status Defer to SDC 275 "Disc	angein with Air Bog Warning Lamp"		
NOTE:		lamp status. Refer to <u>SRC-275, "Diag</u>		SRC	
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected? YES >> Refer to SRC-425, "Diagnosis Procedure". NO >> INSPECTION END					
Diagnosis Procedure					
WARNING:				K	

1. REPLACE FRONT DOOR SATELLITE SENSOR

- Replace front door satellite sensor RH. Refer to SR-25, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-425, "DTC Logic".

Is DTC detected?

YES >> GO TO 2.

NO >> INSPECTION END

2.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-425, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

>> INSPECTION END NO

SRC-425

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[ROADSTER]

B1343, B1344 SATELLITE SENSOR LH

Description INFOID.000000010842135

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1343 B1344	FR-LH DOOR SATEL SENS [SENSOR MALFUNC- TION]	Front door satellite sensor LH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor 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 "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

(R) Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-275, "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-426, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842137

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 front door satellite sensor

- Replace front door satellite sensor LH. Refer to <u>SR-25, "Removal and Installation"</u>.
- Perform DTC confirmation procedure. Refer to <u>SRC-426</u>, "DTC Logic"

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1343, B1344 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".

2. Perform DTC confirmation procedure. Refer to SRC-426, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1345, B1347, B1348, B1349 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

B1345, B1347, B1348, B1349 SATELLITE SENSOR LH

Description INFOID:000000010842138

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1345 B1347 B1348 B1349	FR-LH DOOR SATEL SENS [COMM MALFUNC- TION]	Front door satellite sensor LH is malfunctioning	Harness or connectors Malfunction in front door satellite sensor LH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Without CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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-428</u>, "<u>Diagnosis Procedure</u>".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842140

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 front door satellite sensor

- Replace front door satellite sensor LH. Refer to <u>SR-25</u>. "Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-428</u>, "DTC Logic".

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

B1345, B1347, B1348, B1349 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".

2. Perform DTC confirmation procedure. Refer to SRC-428, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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[ROADSTER]

B1346 SATELLITE SENSOR LH

Description INFOID:000000010842141

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1346	FR-LH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor LH is out of the specified specification	Diagnosis sensor unit or front door satellite sensor LH is different from the part specified

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

- (II) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- Nithout CONSULT
- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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-430, "Diagnosis Procedure"</u>.

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010842143

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.

${f 1}$. REPLACE FRONT DOOR SATELLITE SENSOR

- Replace front door satellite sensor LH. Refer to <u>SR-25</u>, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-430, "DTC Logic"</u>.

Is DTC detected?

YES >> GO TO 2.

NO >> INSPECTION END

2.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-430</u>, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

B1350, B1351 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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B1350, B1351 SATELLITE SENSOR

Description INFOID:0000000010842144

Front door satellite sensor outputs voltage signal of pressure inside the front door.

DTC Logic INFOID:0000000010842145

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1350 B1351	FR DOOR SATEL SENS	Front door satellite sensor is malfunctioning or out of the specified specification	Malfunction in front door satellite sensor LH/RH Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.
- ₩ Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-431, "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. REPLACE BOTH OF FRONT DOOR SATELLITE SENSORS

- Replace both of front door satellite sensors. Refer to SR-25, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-431, "DTC Logic".

Is DTC detected?

YES >> GO TO 2.

NO >> INSPECTION END

2.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to SRC-431, "DTC Logic".

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END SRC

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B1378, B1379, B1380, B1381 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

B1378, B1379, B1380, B1381 DIAGNOSIS SENSOR UNIT

DTC Logic

DTC DETECTION LOGIC

DTC	Display contents of CONSULT	DTC detecting condition	Possible cause
B1378 B1379 B1380 B1381	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

CHECK SELF-DIAG RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

₩ Without CONSULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-275, "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 SRC-432, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

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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.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "ROADSTER: Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-432</u>, "<u>DTC Logic</u>".

Is DTC detected?

YES >> GO TO 1.

[ROADSTER]

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ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

DTC	Diagnostic item	E	Explanation	Reference page
			Low battery voltage (Less than 9 V)	SRC-280, "CONSULT 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-275. "Diagnosis with Air Bag Warning Lamp", SRC-280, "CONSULT Function".
			Intermittent malfunction is detected in the past	GI-44, "Intermit- tent Incident"
		No malfunction is detec	eted	_
B1001-B1015	CONTROL UNIT	Air bag diagnosis senso	or unit is malfunctioning	• SRC-281, "DTC Logic". • SRC-283, "DTC Logic". • SRC-285, "DTC Logic".
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Malfunction occurs in C control unit	Occupant Classification System	SRC-287, "DTC Logic".
B1018	OCCUPANT SENS [UNIT FAIL]	Malfunction occurs in C sensor	Occupant Classification System	SRC-289, "DTC Logic".
B1022	OCCUPANT SENS C/U [COMM FAIL]	Malfunction occurs in C control unit, circuit of Octrol unit air bag diagnosi sensor unit	SRC-291, "DTC Logic".	
B1023	PASS A/B INDCTR CKT	Passenger air bag OFF to ground or the circuits	SRC-293, "DTC Logic".	
B1025 B1032 B1048	OCS SENSOR	Malfunction occurs in C control unit, circuit of Oc trol unit air bag diagnosi sensor unit	SRC-295, "DTC Logic".	
B1026-B1031	CONTROL UNIT	Air bag diagnosis senso the specified specificati	or unit is malfunctioning or out of ion	SRC-297, "DTC Logic".
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is m	nalfunctioning	SRC-299, "DTC Logic".
B1035	CRASH ZONE SEN [COMM FAIL]	Crash zone sensor is m	nalfunctioning	SRC-301, "DTC Logic".
B1036	CRASH ZONE SEN [UNMATCH]	Crash zone sensor is o	ut of the specified specification	SRC-303, "DTC Logic".
B1037 B1039 B1041	CRASH ZONE SEN1	Crash zone sensor is m	nalfunctioning	SRC-305, "DTC Logic".
B1038	CRASH ZONE SEN [OPEN/UPR-VB-SHORT]	Crash zone sensor is m	nalfunctioning	SRC-305, "DTC Logic".
B1040	CRASH ZONE SEN [SHORT/UPR-GND-SHORT]	Crash zone sensor is m	nalfunctioning	SRC-305, "DTC Logic".

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

DTC	Diagnostic item	Explanation	Reference page
B1042-B1047	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-307, "DTC Logic".
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	SRC-309, "DTC Logic".
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	SRC-311, "DTC Logic".
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	SRC-313, "DTC Logic".
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (including spiral cable)	SRC-315, "DTC Logic".
B1058-B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-317, "DTC Logic".
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	SRC-319, "DTC Logic".
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	SRC-321, "DTC Logic".
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	SRC-323, "DTC Logic".
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	SRC-325, "DTC Logic".
B1074-B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-327, "DTC Logic".
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (including spiral cable)	SRC-329, "DTC Logic".
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	SRC-331, "DTC Logic".
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	SRC-333, "DTC Logic".
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	SRC-335, "DTC Logic".
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	SRC-337, "DTC Logic".
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	SRC-339, "DTC Logic".
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	SRC-341, "DTC Logic".
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	SRC-343, "DTC Logic".
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	SRC-345, "DTC Logic".
B1090-B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-347, "DTC Logic".
B1106-B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-349, "DTC Logic".
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	SRC-351, "DTC Logic".
B1115	SATELLITE SENS RH [COMM FAIL]	Satellite sensor RH is malfunctioning	SRC-353, "DTC Logic".
B1116	SATELLITE SENS RH [UNMATCH]	Satellite sensor RH is out of the specified specification	SRC-355, "DTC Logic".
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	SRC-357, "DTC Logic".

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

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DTC	Diagnostic item	Explanation	Reference page
B1120	SATELLITE SENS LH [COMM FAIL]	Satellite sensor RH is malfunctioning	SRC-359, "DTC Logic".
B1121	SATELLITE SENS LH [UNMATCH]	Satellite sensor RH is out of the specified specification	SRC-361, "DTC Logic".
B1122-B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-363, "DTC Logic".
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	SRC-365, "DTC Logic".
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	SRC-367, "DTC Logic".
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	SRC-369, "DTC Logic".
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are shorted to each other	SRC-371, "DTC Logic".
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	SRC-373, "DTC Logic".
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	SRC-375, "DTC Logic".
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	SRC-377, "DTC Logic".
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	SRC-379, "DTC Logic".
B1138-B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-381, "DTC Logic"
B1144	CONTROL UNIT [MISS INSTALLATION]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	SRC-383, "DTC Logic".
B1154-B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-384, "DTC Logic".
B1170-B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-386, "DTC Logic".
B1186-B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-388, "DTC Logic".
B1202-B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-390, "DTC Logic".
B1209	FRONTAL COLLISION DETECTION	Seat belt pre-tensioner, driver side air bag and passenger air bag are deployed	SRC-392, "DTC Logic".
B1210	SIDE COLLISION DETECTION	Side air bag and door-mounted curtain air bag is deployed	SRC-393, "DTC Logic".
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner side door-mounted curtain air bag module are deployed because of rollover detection	SRC-394, "DTC Logic".
B1212-B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	SRC-395, "DTC Logic".
B1215-B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	SRC-397, "DTC Logic".
B1218-B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-399, "DTC Logic".
B1234-B1239	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-401, "DTC Logic"
B1250-B1255	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-402, "DTC Logic"
B1257	FR-RH DOOR MNT MODULE [OPEN]	Door-mounted curtain air bag RH circuit is open	SRC-403, "DTC Logic"

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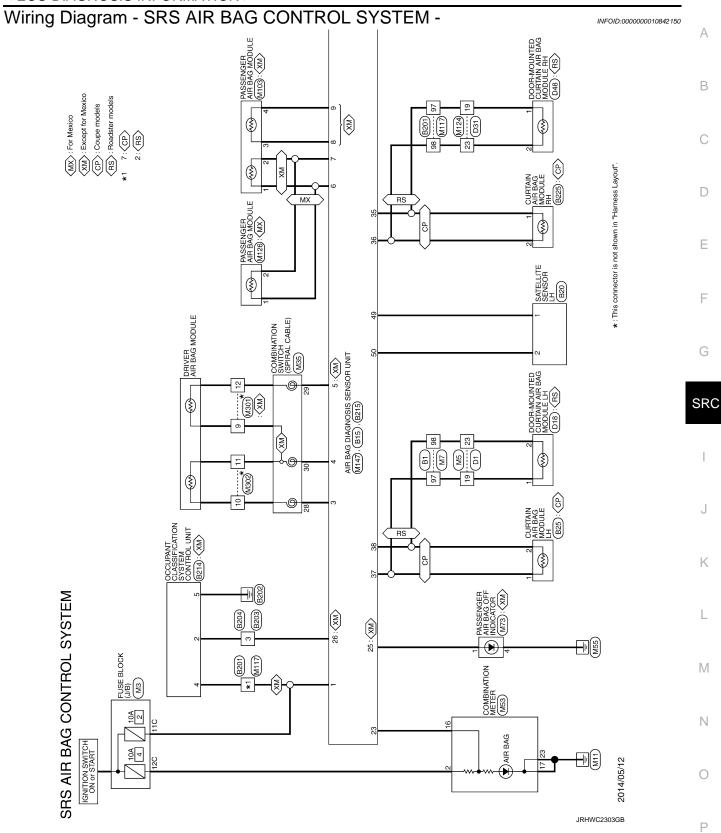
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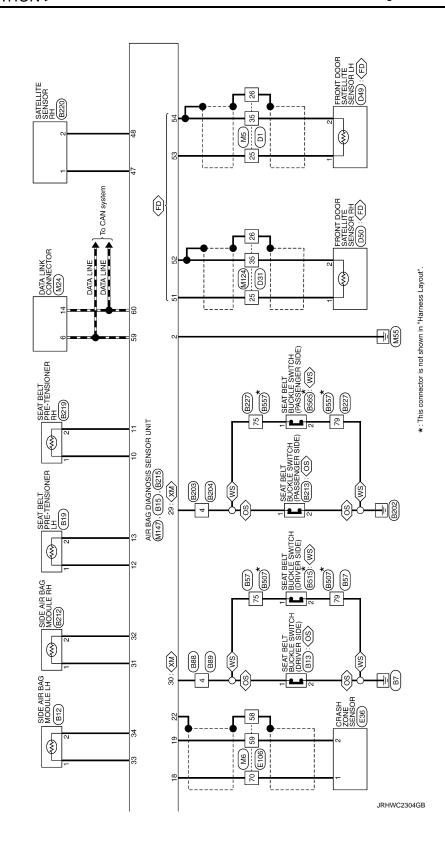
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< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

DTC	Diagnostic item	Explanation	Reference page
B1258	FR-RH DOOR MNT MODULE [VB-SHORT]	Door-mounted curtain air bag RH circuit is shorted to power supply circuit	SRC-405, "DTC Logic"
B1259	FR-RH DOOR MNT MODULE [GND-SHORT]	Door-mounted curtain air bag RH circuit is shorted to ground	SRC-407, "DTC Logic"
B1260	FR-RH DOOR MNT MODULE [SHORT]	Door-mounted curtain air bag RH circuit are shorted to each other	SRC-409, "DTC Logic"
B1262	FR-LH DOOR MNT MODULE [OPEN]	Door-mounted curtain air bag LH circuit is open	SRC-411, "DTC Logic"
B1263	FR-LH DOOR MNT MODULE [VB-SHORT]	Door-mounted curtain air bag LH circuit is shorted to power supply circuit	SRC-413, "DTC Logic"
B1264	FR-LH DOOR MNT MODULE [GND-SHORT]	Door-mounted curtain air bag LH circuit is shorted to ground	SRC-415, "DTC Logic"
B1265	FR-LH DOOR MNT MODULE [SHORT]	Door-mounted curtain air bag LH circuit are shorted to each other	SRC-417, "DTC Logic"
B1266-B1269	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-419, "DTC Logic"
B1282-B1285	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-420, "DTC Logic"
B1336 B1337	FR-RH DOOR SATEL SENS [SENSOR MALFUNCTION]	Front door satellite sensor RH is malfunctioning	SRC-421, "DTC Logic"
B1338 B1340 B1341 B1342	FR-RH DOOR SATEL SENS [COMM MALFUNCTION]	Front door satellite sensor RH is malfunctioning	SRC-423, "DTC Logic"
B1339	FR-RH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor RH is out of the specified specification	SRC-425, "DTC Logic"
B1343 B1344	FR-LH DOOR SATEL SENS [SENSOR MALFUNCTION]	Front door satellite sensor LH is malfunctioning	SRC-426, "DTC Logic"
B1345 B1347 B1348 B1349	FR-LH DOOR SATEL SENS [COMM MALFUNCTION]	Front door satellite sensor LH is malfunctioning	SRC-428, "DTC Logic"
B1346	FR-LH DOOR SATEL SENS [MIS-INSTALLATION]	Front door satellite sensor LH is out of the specified specification	SRC-430, "DTC Logic"
B1350 B1351	FR DOOR SATEL SENS	Front door satellite sensor is malfunctioning	SRC-431, "DTC Logic"
B1378-B1381	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-432, "DTC Logic"





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		44 SB -			
		51 P -			

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Corrector No. D49 Corrector Name FRONT DOOR SATELLITE SENSOR LH Corrector Type HK02FV-1V-EX-LC LIST Corrector Type HK02FV-1V-EX-LC LIST Terminal Color Of Signal Name [Specification]	- B 6
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	40 W -
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	42 SB -
	43 G .
	44 GR - [Except for roadster models with M/T]
	44 R - Roadster models with M/T
	45 BG -
	- 46 W
	47 P -
	58 SHIELD -
	- F
	-
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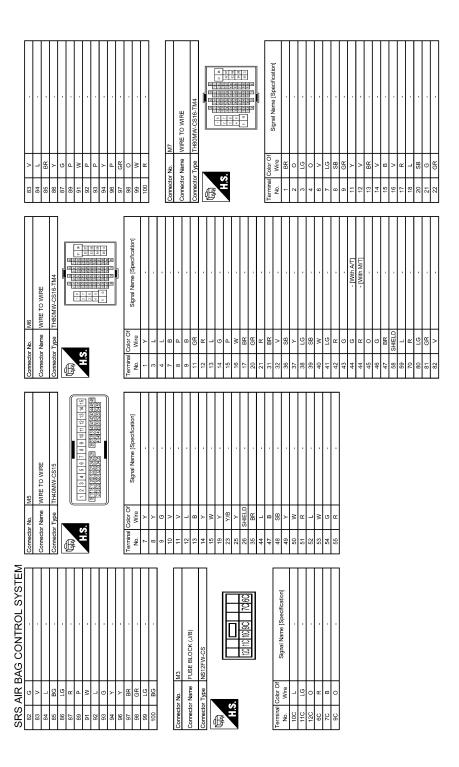
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SRS AIR BAG CONTROL SYSTEM	5	Signal Name [Specification]		
AIR E	Color Of	Wire		
SRS	Terminal	No.	10	11

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[ROADSTER]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

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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?

YES >> Replace the malfunctioning parts.

NO >> GO TO 2.

2.CHECK AIR BAG FUSE

Check 10 A fuse [No.2, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the fuse.

3.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace harness connectors.

4. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace wiring harness.

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to SR-27, "COUPE: Exploded View".
- 2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 6.

6.REPLACE COMBINATION METER

- Replace combination meter. Refer to <u>MWI-103, "Removal and Installation"</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	
COMMITTONIE DI NOTOGIO	ADSTER]
SRS AIR BAG WARNING LAMP DOES NOT TURN ON	
Diagnosis Procedure	0:00000000010842152
.CHECK COMBINATION METER POWER SPPLY AND GROUND CIRCUIT	
heck combination meter unit power supply and ground circuit. Refer to MWI-45, "COMBINATION	METER:
iagnosis Procedure". the inspection result normal?	
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
CHECK HARNESS CONNECTOR	
Check the harness connector.	_
s the inspection result normal?	
YES >> GO TO 3. NO >> Replace harness connectors.	
3. CHECK WIRING HARNESS	
Check the wiring harness externals.	
s the inspection result normal?	
YES >> GO TO 4.	
NO >> Replace wiring harness.	
4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT	
Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.	
Does air bag warning lamp turn ON? YES >> Replace air bag diagnosis sensor unit. Refer to <u>SR-27, "COUPE : Exploded View"</u> .	
NO >> Replace combination meter. Refer to MWI-103, "Removal and Installation".	

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PRECAUTION

PRECAUTIONS

Precautions 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:000000010842154

- Do not 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 at least 3
 minutes or more.
 - For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.
- Diagnosis sensor unit must always be installed with their arrow marks "

 "pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not 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.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Occupant Classification System Precaution

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Replace Occupant Classification System control unit and passenger front seat cushion as an assembly. Refer to <u>SE-88, "Removal and Installation"</u>.

PRECAUTIONS

< PRECAUTION > [ROADSTER]

Precaution for Battery Service

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Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

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