SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

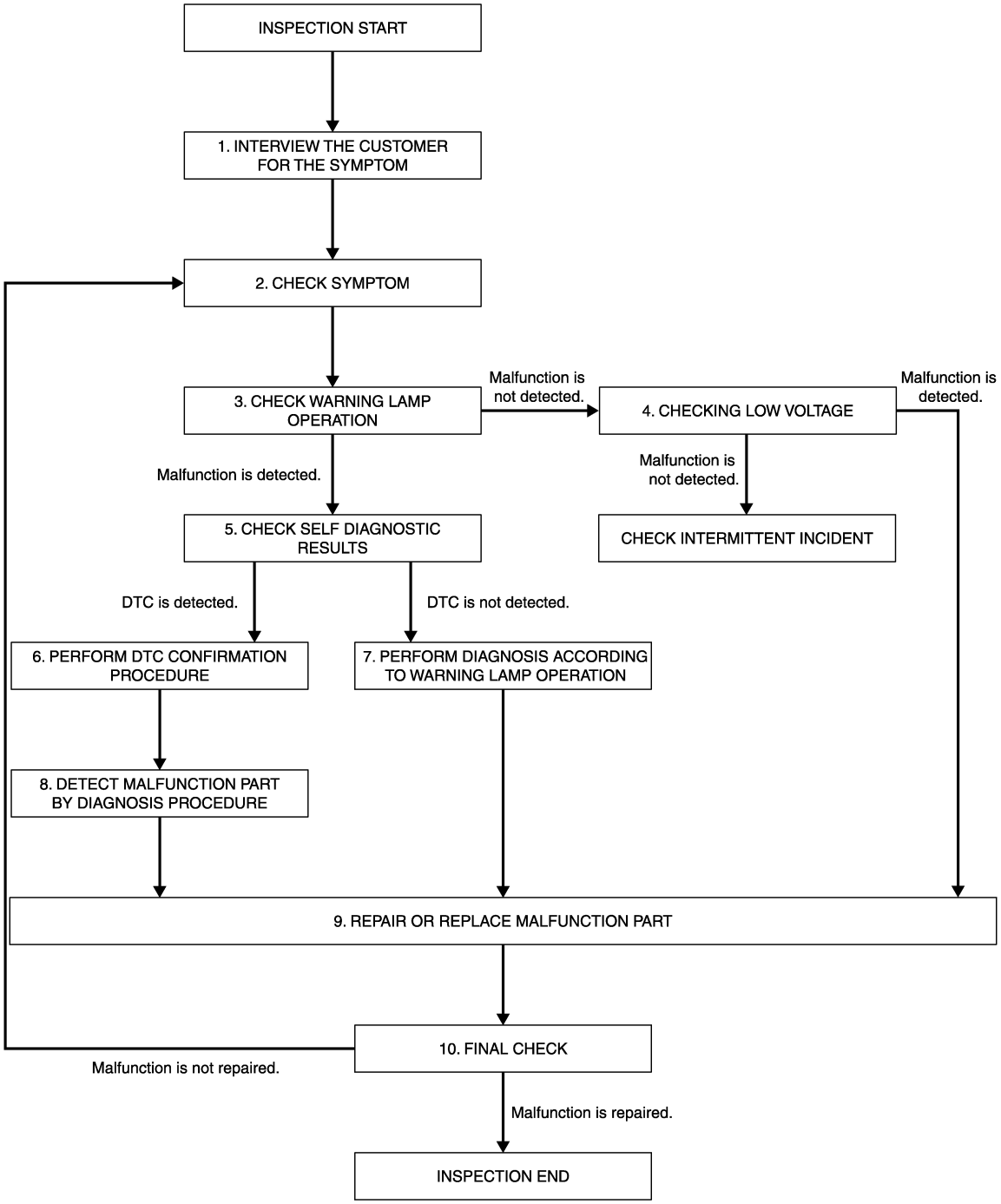
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000010580779

OVERALL SEQUENCE



JMHIA1324GB

DETAILED FLOW

1.INTERVIEW THE CUSTOMER FOR THE SYMPTOM

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

>> GO TO 2.

2.CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3.CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to SRC-14, "On Board Diagnosis Function".

Are any malfunction detected?

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

4.CHECK LOW VOLTAGE

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

Are any malfunction detected?

YES >> GO TO 9.
NO >> Check intermittent incident. Refer to GI-47, "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

1. Check air bag warning lamp operation in the user mode. Refer to SRC-14, "On Board Diagnosis Function".
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to SRC-14, "On Board Diagnosis Function" (USER MODE).

>> GO TO 9.

8.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

9.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.

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:0000000010580780

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

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

INFOID:0000000010580781

WORK PROCEDURE WHEN REPLACING CONTROL UNIT

1.PERFORM ZERO POINT RESET

Perform zero point reset. Refer to SRC-6, "ZERO POINT RESET : Special Repair Requirement".

Is zero point reset performed normally?

YES >> INSPECTION END

NO >> Check condition as per the following, and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

NOTE:

If “Incomplete” is displayed on “zero point reset current status”, zero point reset is not completed normally. Check the condition as per the following and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:0000000010580782

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

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

NOTE:

- When zero point reset is performed once after removal and installation of passenger seat, CONSULT displays “complete”.
- When reinstalling passenger seat after removal, the initial value for occupant detection sensor changes, and Occupant Detection System does not operate normally.
- Always perform zero point reset after performing the work as per the following.

- Reinstallation of passenger seat
- Installation of passenger seat that is zero point reset complete
- Installation of passenger seat that is zero point reset in complete

ZERO POINT RESET : Special Repair Requirement

INFOID:0000000010580783

1.PERFORM ZERO POINT RESET

1. Perform zero point reset.

   NOTE:

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

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

3. “Zero point reset” starts.

>> GO TO 2.

2.CONFIRMATION OF SETTING

1. Proceed to “Zero point reset function” screen from work support of CONSULT “OCCUPANT DETECTION”.
2. Check that “Complete” or “Incomplete” is displayed on “Zero point reset status”.

CAUTION:

- **“Complete” is displayed on “zero point reset current status” if the seat is reinstalled by seat removal and installation, or “zero point reset” is already performed.**
- **“Zero point reset current status” displays “Incomplete” if a new seat is installed. When turning key switch ON without performing zero point reset, front passenger air bag OFF indicator turns ON. When zero point reset is performed, front passenger air bag OFF indicator turns OFF.**
- **Air bag warning lamp blinks in user mode only.**
- **Air bag sensor unit does not record whether or not zero point reset is performed.**

Is condition “ALREADY PERFORMED”?

YES >> Print out “ZERO POINT RESET CURRENT STATUS” screen, and inspection end.

NO >> Check condition as per the following, and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

NOTE:

If “Incomplete” is displayed on “zero point reset current status”, zero point reset is not completed normally. Check the condition as per the following and perform zero point reset again.

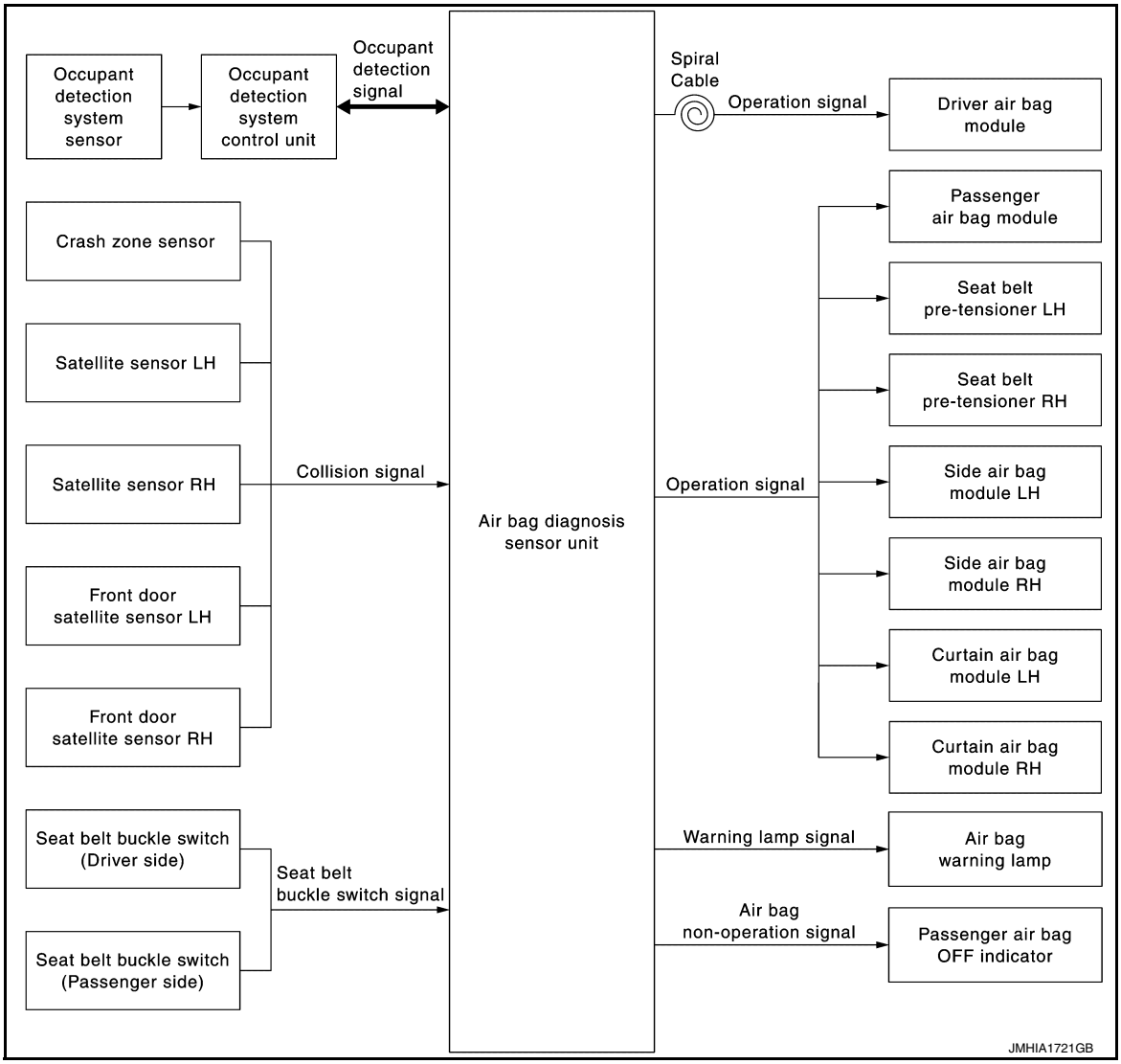
- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram

INFOID:0000000010580784



System Description

INFOID:0000000010580785

This SRS Air Bag System has the following functions.

1. Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
2. Detects electrical malfunction in SRS Air Bag System and Seat Belt Pre-tensioner System, records malfunction code, and blinking air bag warning lamp.
3. Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
4. Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicates the malfunction record by CONSULT.
6. Suppress the deployment of front passenger air bag when front passenger seat is empty or is occupied by a child or a child-seat.
   When passenger seat is occupied by a child or a child seat, turns ON front passenger air bag OFF indicator.
7. 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.

COLLISION MODE

- The operation of supplemental restraint system is different depending on the collision modes applications. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioner are activated in a frontal collision but not in a side collision.
- SRS configurations that are activated for some collision modes are as per the following.

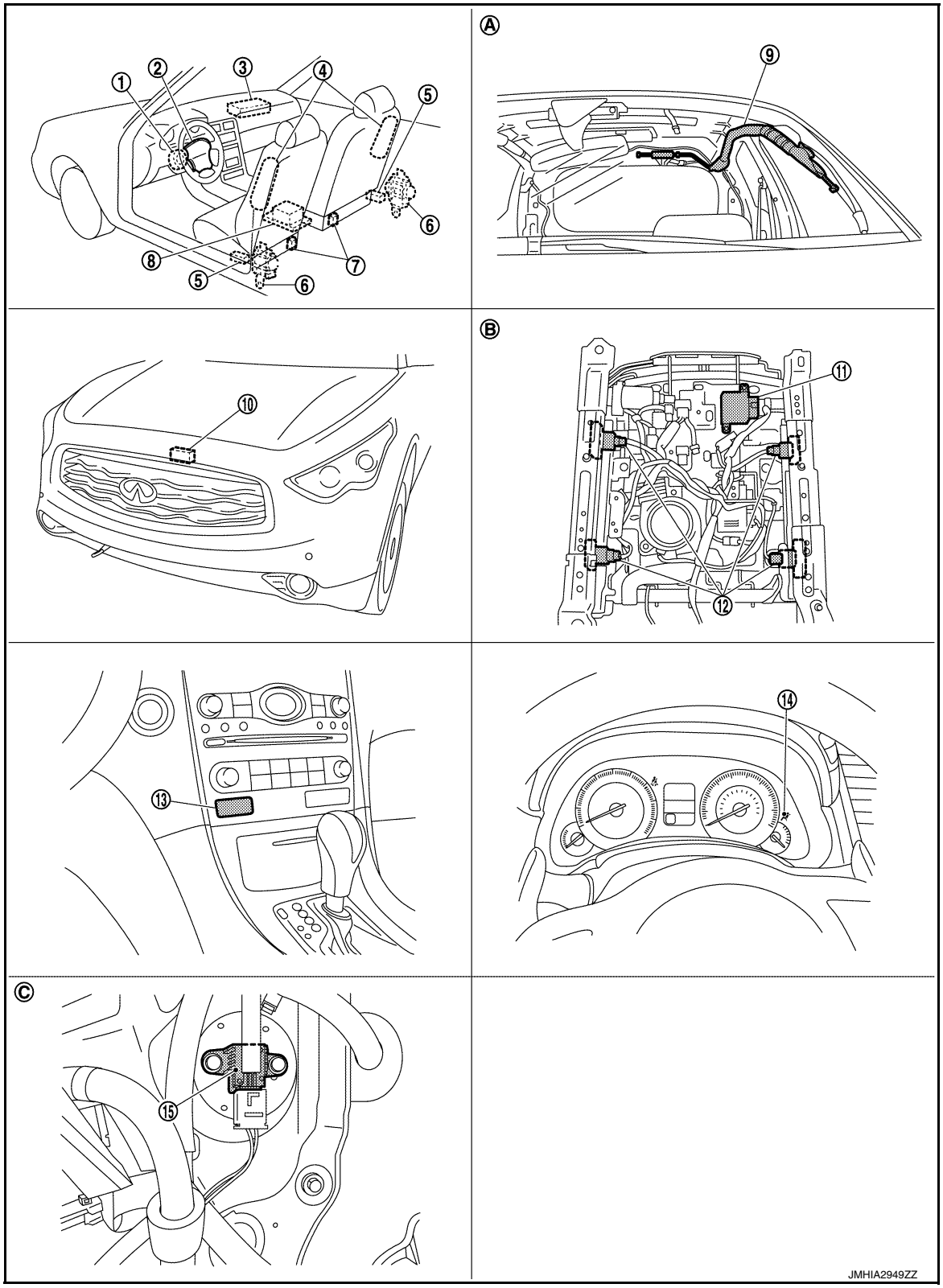
SRS configuration	Frontal collision	Rear collision	Left side collision	Right side collision	Roll over
Driver air bag module	×	—	—	—	—
Front passenger air bag module	×	—	—	—	—
Front LH seat belt pre-tensioner	×	—	×	—	×
Front RH seat belt pre-tensioner	×	—	—	×	×
Front LH side air bag module	—	—	×	—	—
Front RH side air bag module	—	—	—	×	—
LH side curtain air bag module	—	—	×	—	×
RH side curtain air bag module	—	—	—	×	×
Collision detection output function	×	×	×	×	×

×: Apply

—: Not apply

Component Parts Location

INFOID:0000000010580786



1. Combination switch (Spiral cable)
2. Driver air bag module
3. Front passenger air bag module
4. Front LH/RH side air bag module
5. LH/RH satellite sensor
6. Front LH/RH seat belt pre-tensioner
7. Seat belt buckle switch (Driver side/ Passenger side)
8. Air bag diagnosis sensor unit
9. LH/RH side curtain air bag module

10. Crash zone sensor
11. Occupant Detection System control unit
12. Occupant Detection System seat sensor
13. Front passenger air bag OFF indicator
14. Combination meter (air bag warning lamp)
15. Front LH/RH door satellite sensor

A. View from vehicle front
B. Backside of the seat cushion
C. View with door finisher removed

Component Description

INFOID:0000000010580787

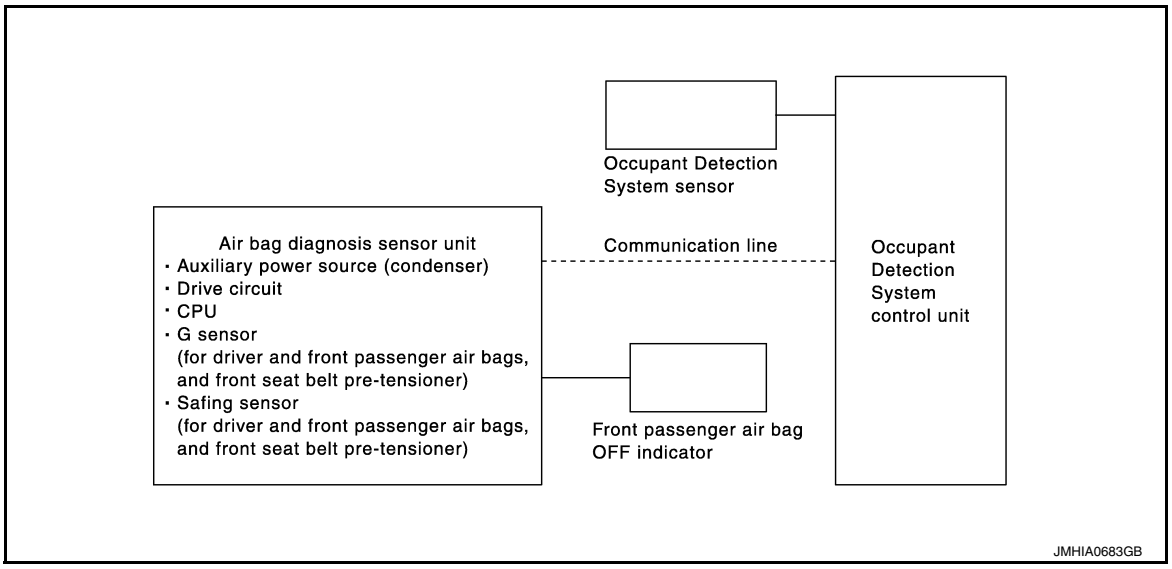
Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module • Driver • Passenger • Front side • Side curtain	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Front seat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

OCCUPANT DETECTION SYSTEM

System Diagram

INFOID:0000000010580788

OCCUPANT DETECTION SYSTEM



System Description

INFOID:0000000010580789

This Occupant Detection System has the following functions.

1. Suppress the deployment of front passenger air bag when front passenger seat is empty, or when occupied by child and child-seat. Turns ON front passenger air bag OFF indicator when front passenger seat is occupied by child-seat and child.
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT.
4. When “zero point reset” for occupant detection system is incomplete, CONSULT indicates that “zero point reset” is incomplete.
   This function is applied to NISSAN genuine parts only.

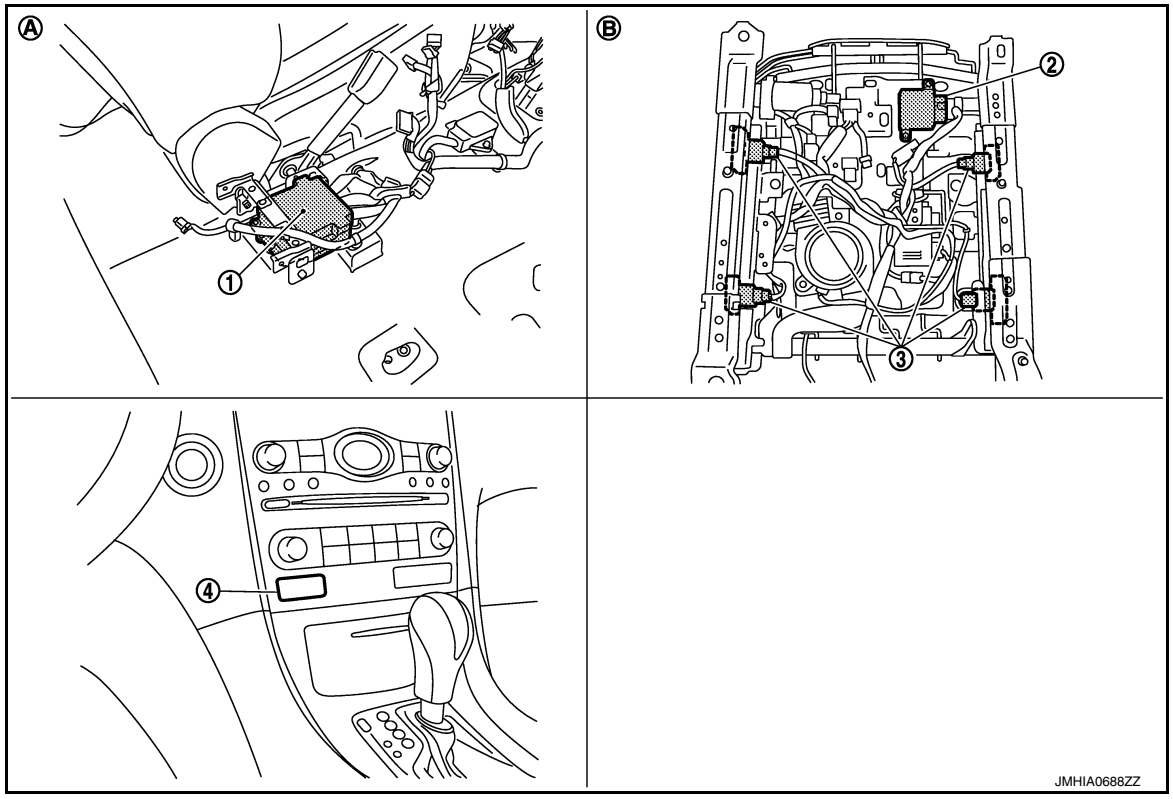
NOTE:

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

Status (front passenger seat)	**Passenger air bag**	**Front passenger air bag OFF indicator**	**Air bag warning lamp**	Seat belt warning lamp (when front passenger seat is unbuckled)
Empty	Suppress	OFF	OFF	OFF
An object	Suppress	ON	OFF	OFF
Child/ child-seat	Suppress	ON	OFF	ON
Adult	Enable to deploy	OFF	OFF	ON
Malfunction	Suppress	ON	Blinking	OFF
Zero point reset Not yet performed (NISSAN genuine parts only)	Suppress	ON	OFF	OFF

Component Parts Location

INFOID:0000000010580790



1. Air bag diagnosis sensor unit
2. Occupant Detection System control unit
3. Occupant Detection System sensor
4. Passenger air bag OFF indicator
- A. View with center console assembly removed
- B. Backside of the seat cushion

Component Description

INFOID:0000000010580791

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

DIAGNOSIS SYSTEM (AIRBAG)

Description

INFOID:0000000010580792

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	–	×

On Board Diagnosis Function

INFOID:0000000010580793

ON-BOARD DIAGNOSIS

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.
2. 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

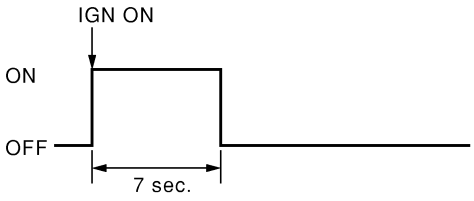
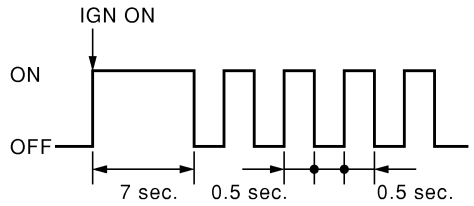
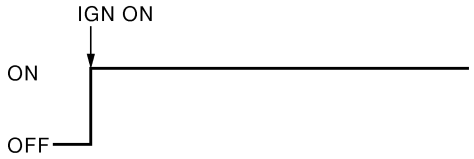
In USER MODE, air bag warning lamp on combination meter blinks when a malfunction is detected and warns the customer (driver).

How to Read Air Bag Warning Lamp

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.

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

Air Bag Warning Lamp Examples

Air bag warning lamp operation (user mode)	SRS condition	Reference item
 SHIA0011E	• No malfunction is detected • No further action is necessary	Change to Diagnosis mode is not possible when the system is normal.
 SHIA0012E	The system is malfunctioning	Refer to SRC-19, "CONSULT Function" or “DIAGNOSIS MODE”
 SHIA0013E	• Air bag is deployed • Seat belt pre-tensioner is deployed	Refer to SRC-65, "Diagnosis Procedure", SRC-66, "Diagnosis Procedure", or SRC-67, "Diagnosis Procedure"
	• Air bag diagnosis sensor unit is malfunctioning • Air bag power supply circuit is malfunctioning • Air bag warning lamp circuit is malfunctioning	Refer to SRC-93, "Diagnosis Procedure"
	Battery voltage is low (less than 9 V, or 16 V or more)	Refer to “BATTERY LOW VOLTAGE DETECTION” or “BATTERY HIGH VOLTAGE DETECTION”
 SHIA0014E	• Air bag diagnosis sensor unit is malfunctioning • Air bag warning lamp circuit is malfunctioning	Refer to SRC-94, "Diagnosis Procedure"

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.
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

1. Follow the procedures of “PROCEDURE TO CHANGE DIAGNOSIS MODE”, and switch to the diagnosis mode.
2. Turn ignition switch ON. Check the blinking pattern of air bag warning lamp.
   There are 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.

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

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 detection 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

Number of 0.5 second blinks	Malfunctioning items
7	Front door satellite sensor RH
12	Other satellite sensor

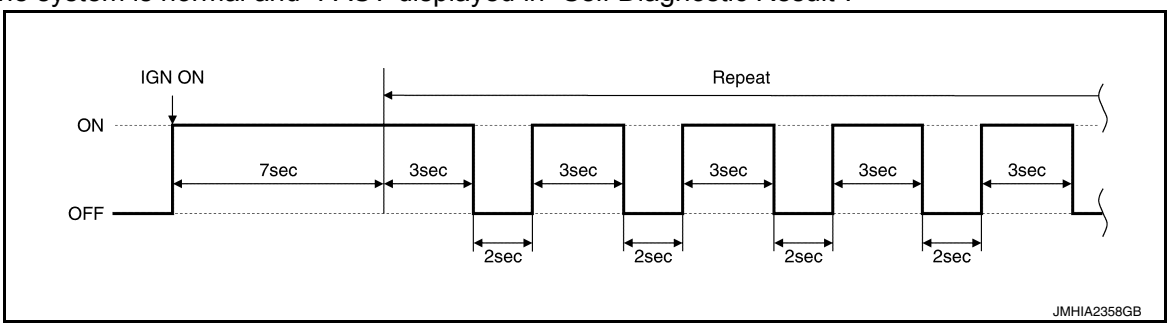
How to Erase Self-diagnostic Result

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

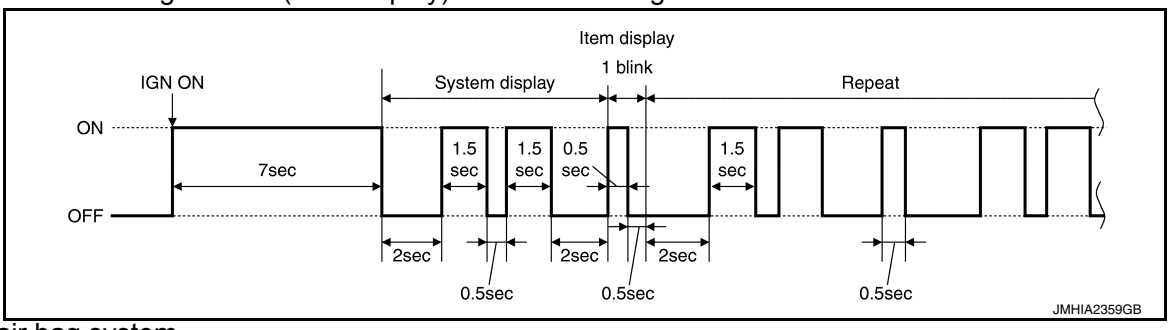
System Normal

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

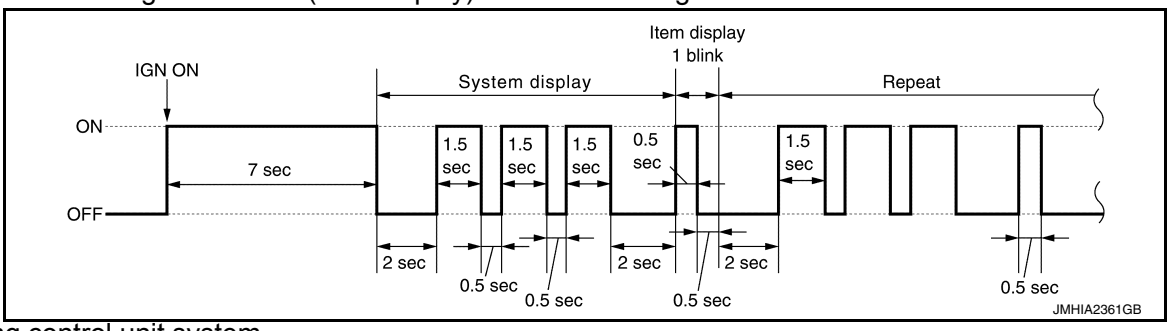


Single System Malfunction

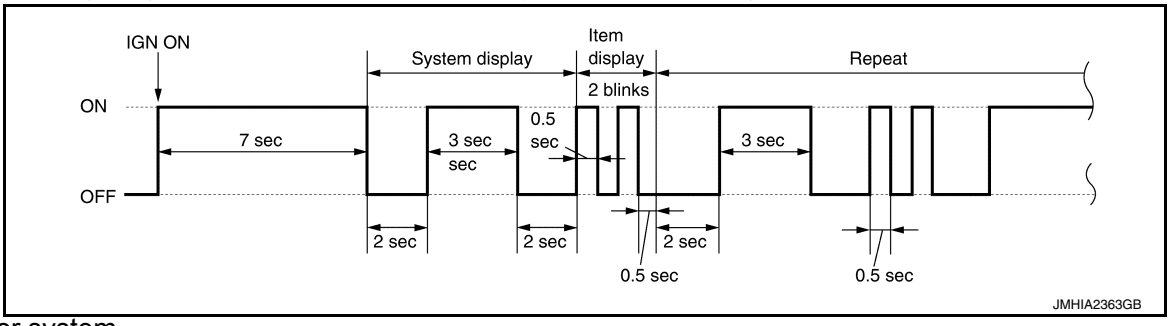
- Front air bag system
  When driver air bag module (Item display) is malfunctioning.



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

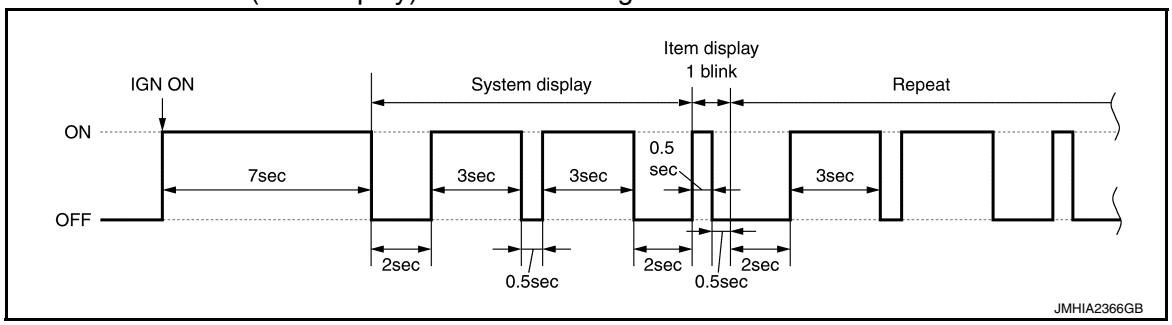


- Air bag control unit system
  When air bag diagnosis sensor unit (Item display) is malfunctioning.



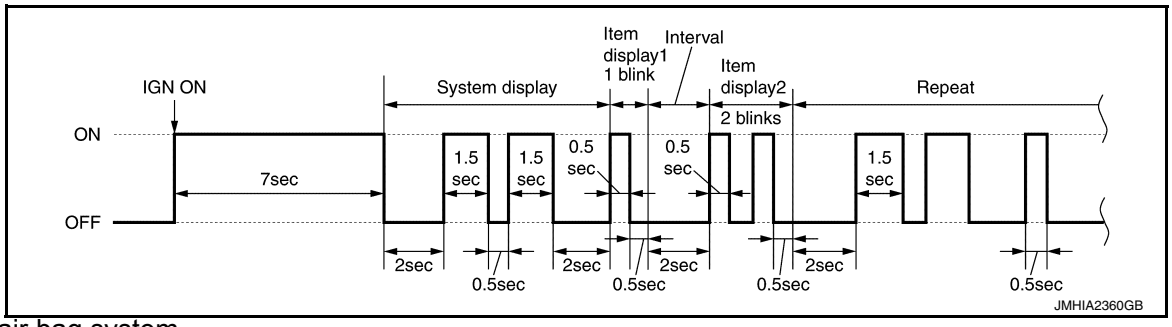
- Sensor system

When crash zone sensor (Item display) is malfunctioning.

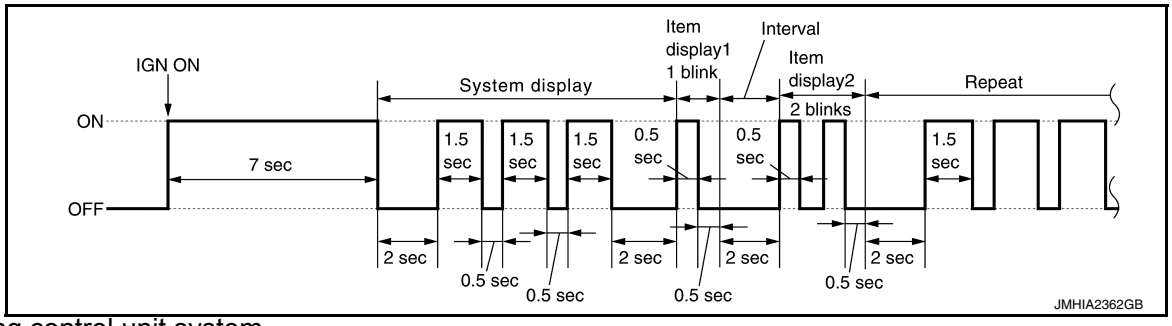


Multiple Systems Malfunction

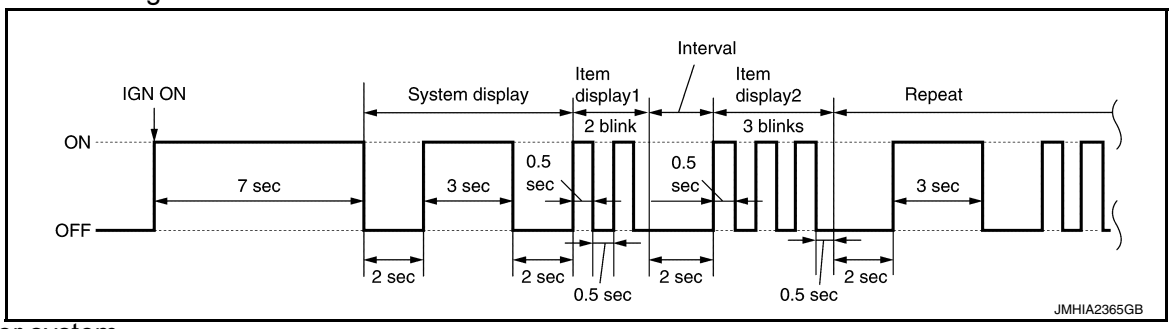
- Front air bag system
  When driver air bag module (Item display 1) and passenger air bag module (Item display 2) are malfunctioning.



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

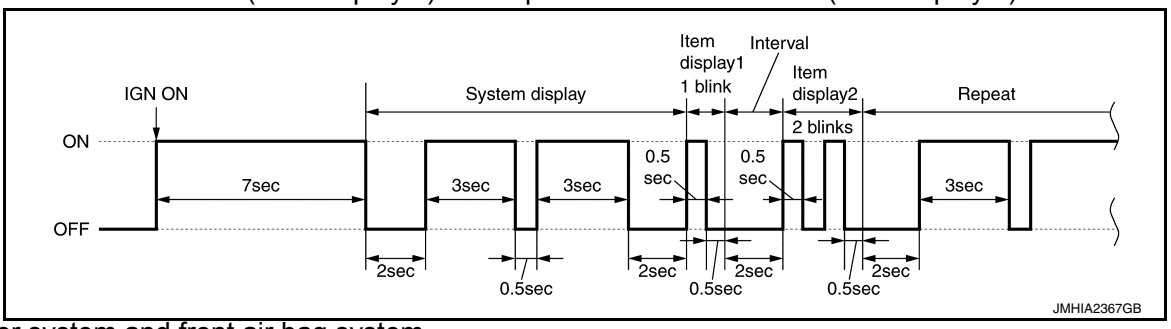


- Air bag control unit system
  When air bag diagnosis sensor unit (Item display 1) and front passenger air bag indicator (Item display 2) are malfunctioning.

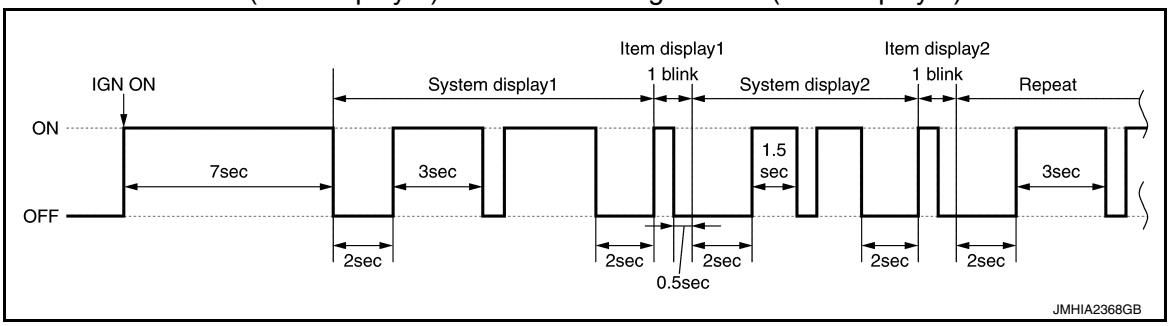


- Sensor system

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



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



CONSULT Function

INFOID:0000000010580794

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-77, "DTC Index".

DIAGNOSIS SYSTEM (OCCUPANT DETECTION SYSTEM)

CONSULT Function

INFOID:0000000010580795

ZERO POINT RESET DESCRIPTION

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

WORK SUPPORT

Monitor item	Description
Zero point reset function	Perform zero point reset. Refer to SRC-6, "ZERO POINT RESET : Special Repair Requirement".

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000010580796

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-34, "CAN System Specification Chart".

DTC Logic

INFOID:0000000010580797

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:0000000010580798

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-25, "Trouble Diagnosis Flow Chart".
NO >> Refer to GI-47, "Intermittent Incident".

U1010 CONTROL UNIT (CAN)

DTC Logic

INFOID:0000000010580799

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:0000000010580800

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-25, "Removal and Installation".

B0001 DRIVER AIR BAG MODULE

DTC Logic

INFOID:0000000010580801

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0001–00	DRIVER AIRBAG MODULE [Driver Frontal Stage 1 Deployment Control (Subfault)]	[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
B0001–09		[SHORT]		
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		[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 circuit 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

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-14, "On Board Diagnosis Function".

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-23, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580802

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 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.

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

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	9			
	12		29	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".

5.CHECK SPIRAL CABLE CIRCUIT 2

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

Driver side air bag module		Ground	Continuity
Connector	Terminal		
M302	10	Ground	Not existed
	11		
M301	9		
	12		

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".

6.CHECK SPIRAL CABLE CIRCUIT 3

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.

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

Is the inspection result normal?

YES >> GO TO 7.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".

7.CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M35	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "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-23, "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-23, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-23, "DTC Logic".

Is DTC detected?

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

B0002 DRIVER AIR BAG MODULE

DTC Logic

INFOID:0000000010580803

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0002–00	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Subfault)]	[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
B0002–09		[SHORT]		
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		[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 circuit 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

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-14, "On Board Diagnosis Function".

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-26, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580804

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

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	9			
	12		29	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".

5.CHECK SPIRAL CABLE CIRCUIT 2

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

Driver side air bag module			Continuity
Connector	Terminal		
M302	10	Ground	Not existed
	11		
M301	9		
	12		

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".

6.CHECK SPIRAL CABLE CIRCUIT 3

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.

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

Is the inspection result normal?

YES >> GO TO 7.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "Removal and Installation".

7.CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M35	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to SR-14, "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-23, "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-23, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-23, "DTC Logic".

Is DTC detected?

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

B0010 PASSENGER AIR BAG MODULE

DTC Logic

INFOID:0000000010580805

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0010–09	ASSIST A/B MODULE [Passenger Frontal Stage 1 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
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		[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

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-14, "On Board Diagnosis Function".

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-29, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580806

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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. Refer to SR-17, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-29, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-29, "DTC Logic".

Is DTC detected?

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

B0011 PASSENGER AIR BAG MODULE

DTC Logic

INFOID:0000000010580807

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

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-14, "On Board Diagnosis Function".

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-31, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580808

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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. Refer to SR-17, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-31, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-31, "DTC Logic".

Is DTC detected?

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

B0020 SIDE AIR BAG MODULE

DTC Logic

INFOID:0000000010580809

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

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-14, "On Board Diagnosis Function".

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-33, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580810

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 SIDE AIR BAG MODULE LH

1. Replace side air bag module LH. Refer to SE-125, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-55, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-55, "DTC Logic".

Is DTC detected?

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

B0021 CURTAIN AIR BAG MODULE

DTC Logic

INFOID:0000000010580811

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

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-14, "On Board Diagnosis Function".

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-35, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580812

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 CURTAIN AIR BAG MODULE LH

1. Replace curtain air bag module LH. Refer to SR-19, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-35, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-35, "DTC Logic".

Is DTC detected?

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

B0028 SIDE AIR BAG MODULE

DTC Logic

INFOID:0000000010580813

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0028–09	SIDE A/B MODULE RH [Right Side Airbag Deployment Control 1 (Subfault)]	[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		[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

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-14, "On Board Diagnosis Function".

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-37, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580814

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 SIDE AIR BAG MODULE RH

1. Replace side air bag module RH. Refer to SE-125, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-37, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-37, "DTC Logic".

Is DTC detected?

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

B0029 CURTAIN AIR BAG MODULE

DTC Logic

INFOID:0000000010580815

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0029–09	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[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		[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

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-14, "On Board Diagnosis Function".

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-39, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580816

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 CURTAIN AIR BAG MODULE RH

1. Replace curtain air bag module RH. Refer to SR-19, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-39, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-39, "DTC Logic".

Is DTC detected?

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

B0091 SATELLITE SENSOR

DTC Logic

INFOID:0000000010580817

DTC DETECTION LOGIC

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

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-42, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580818

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?

[B0091–86] >> 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 B-PILLAR SATELLITE SENSOR LH

1. Replace B-pillar satellite sensor LH. Refer to SR-23, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-41, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-41, "DTC Logic".

Is DTC detected?

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

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Logic

INFOID:0000000011009085

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0093–11	DOOR SATEL SENS LH [Left Side Restraints Sensor 3 (Subfault)]	[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		[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.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-44, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011009086

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?

[B0093–86] >> 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 LH

1. Replace front door satellite sensor LH. Refer to SR-23, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-43, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-43, "DTC Logic".

Is DTC detected?

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

B0094 CRASH ZONE SENSOR

DTC Logic

INFOID:0000000010580819

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0094–11	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[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		[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.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-46, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580820

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?

[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

1. Replace crash zone. Refer to SR-21, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Logic".

Is DTC detected?

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

B0096 SATELLITE SENSOR

DTC Logic

INFOID:0000000010580821

DTC DETECTION LOGIC

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

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-48, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580822

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?

[B0096–86] >> 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 B-PILLAR SATELLITE SENSOR RH

1. Replace B-pillar satellite sensor RH. Refer to SR-23, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-47, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-47, "DTC Logic".

Is DTC detected?

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

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Logic

INFOID:0000000011009087

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0098–11	DOOR SATEL SENS RH [Left Side Restraints Sensor 3 (Subfault)]	[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		[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.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-50, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000011009088

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-23, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-49, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-49, "DTC Logic".

Is DTC detected?

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

B0099 SATELLITE SENSOR

DTC Logic

INFOID:0000000010580823

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0099–11	SATELLITE SENSOR [Roll Over Sensor (Subfault)]	[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		[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 specified
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.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-52, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580824

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?

[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

1. Replace satellite sensor. Refer to SR-23, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-51, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-51, "DTC Logic".

Is DTC detected?

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

B00A0 OCCUPANT DETECTION SYSTEM CONTROL UNIT

DTC Logic

INFOID:0000000010580825

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		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		[UNIT MALFUNC]	Malfunction of occupant classification sensor	• Connection malfunction of harness and connector • Internal malfunction of occupant classification sensor • Internal malfunction of air bag diagnosis sensor unit
B00A0–09		[UNIT MALFUNC]		
B00A0–04	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[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]	• Communication malfunction of occupant classification sensor control unit • Communication blank 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
B00A0–86		[COMM ERR]		
B00A0–87		[COMM ERR]		
B00A0–88		[COMM ERR]		
B00A0–8F		[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

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-14, "On Board Diagnosis Function".

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-54, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580826

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.**

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 OCCUPANT DETECTION SYSTEM CONTROL UNIT

1. Replace occupant detection system control unit. Refer to SR-28, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-53, "DTC Logic".

Is DTC detected?

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

4.REPLACE OCCUPANT DETECTION SYSTEM SEAT SENSOR

1. Replace seat cushion frame. Refer to SE-125, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-53, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-53, "DTC Logic".

Is DTC detected?

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

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

DTC Logic

INFOID:0000000010580827

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B00D5–04	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Subfault)]	[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		[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 passenger 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

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-14, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-55, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580828

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.**

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.CHECK FRONT PASSENGER AIR BAG INDICATOR

1. Replace front passenger air bag indicator. Refer to IP-13, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-55, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-55, "DTC Logic".

Is DTC detected?

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

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

DTC Logic

INFOID:0000000010580829

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

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-14, "On Board Diagnosis Function".

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-57, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580830

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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-57, "DTC Logic".

Is DTC detected?

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

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

DTC Logic

INFOID:0000000010580831

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

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-14, "On Board Diagnosis Function".

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-59, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580832

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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-59, "DTC Logic".

Is DTC detected?

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

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

DTC Logic

INFOID:0000000010580833

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

1.CHECK SELF-DIAG RESULT

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-14, "On Board Diagnosis Function".

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-61, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580834

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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-61, "DTC Logic".

Is DTC detected?

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

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

DTC Logic

INFOID:0000000010580835

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

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-14, "On Board Diagnosis Function".

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-63, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580836

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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-63, "DTC Logic".

Is DTC detected?

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

B1421 FRONTAL COLLISION DETECTION

DTC Logic

INFOID:0000000010580837

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

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-14, "On Board Diagnosis Function".

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-65, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580838

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-65, "DTC Logic".

B1422 SIDE COLLISION DETECTION

DTC Logic

INFOID:0000000010580839

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

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-14, "On Board Diagnosis Function".

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-66, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580840

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-66, "DTC Logic".

B1423 ROLLOVER DETECTION

DTC Logic

INFOID:0000000010580841

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1423–00	ROLLOVER DETECTION (Firing Record, Rollover with Rolling state 2)	Front seat belt pre-tensioner, curtain air bag module are deployed because of roll-over detection	—

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.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-67, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580842

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-65, "DTC Logic".

B1425 REAR COLLISION DETECTION

DTC Logic

INFOID:0000000010580843

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

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-14, "On Board Diagnosis Function".

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-68, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580844

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-66, "DTC Logic".

B142A IGN VOLTAGE

DTC Logic

INFOID:0000000010580845

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
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
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

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.

Without CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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-69, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580846

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-126, "Removal and Installation".

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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-69, "DTC Logic".

Is DTC detected?

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

B1430 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:0000000010580847

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1430–09	PRE-TEN FRONT LH (Front seat belt pre-tensioner squib left hand circuit)	[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		[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

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-14, "On Board Diagnosis Function".

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:0000000010580848

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

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE SEAT BELT PRE-TENSIONER LH

1. Replace seat belt pre-tensioner LH. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-71, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-71, "DTC Logic".

Is DTC detected?

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

B1431 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:0000000010580849

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1431–09	PRE-TEN FRONT RH (Front seat belt pre-tensioner squib right hand circuit)	[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		[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

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-14, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-73, "Diagnosis Procedure".
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000010580850

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

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE SEAT BELT PRE-TENSIONER RH

1. Replace seat belt pre-tensioner RH. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-73, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-73, "DTC Logic".

Is DTC detected?

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

B1500 DOOR SATELLITE SENSOR

DTC Logic

INFOID:0000000011012444

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1500–23	DOOR SATELLITE SENSOR (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 SENSOR (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 SENSOR [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

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-14, "On Board Diagnosis Function".

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

INFOID:0000000011012445

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 LH AND RH

1. Replace front door satellite sensor LH and RH. Refer to SR-23, "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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-75, "DTC Logic".

Is DTC detected?

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

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000010580851

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
U1000–01	CAN COMM CIRCUIT	—	—	SRC-21, "DTC Logic"
U1010–49	CONTROL UNIT (CAN)	—	—	SRC-22, "DTC Logic"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	Front air bag system	1	SRC-23, "DTC Logic"
B0001–09	DRIVER AIRBAG MODULE [SHORT]			
B0001–11	DRIVER AIRBAG MODULE [GND-SHORT]			
B0001–12	DRIVER AIRBAG MODULE [VB-SHORT]			
B0001–13	DRIVER AIRBAG MODULE [OPEN]			
B0001–1A	DRIVER AIRBAG MODULE [SHORT]			
B0002–00	DRIVER AIRBAG MODULE 2 [SHORT]	Front air bag system	1	SRC-26, "DTC Logic"
B0002–09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002–11	DRIVER AIRBAG MODULE 2 [GND-SHORT]			
B0002–12	DRIVER AIRBAG MODULE 2 [VB-SHORT]			
B0002–13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002–1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010–09	ASSIST A/B MODULE [SHORT]	Front air bag system	2	SRC-29, "DTC Logic"
B0010–11	ASSIST A/B MODULE [GND-SHORT]			
B0010–12	ASSIST A/B MODULE [VB-SHORT]			
B0010–13	ASSIST A/B MODULE [OPEN]			
B0010–1A	ASSIST A/B MODULE [SHORT]			
B0011–09	ASSIST A/B MODULE 2 [SHORT]	Front air bag system	2	SRC-31, "DTC Logic"
B0011–11	ASSIST A/B MODULE 2 [GND-SHORT]			
B0011–12	ASSIST A/B MODULE 2 [VB-SHORT]			
B0011–13	ASSIST A/B MODULE 2 [OPEN]			
B0011–1A	ASSIST A/B MODULE 2 [SHORT]			
B0020–09	SIDE A/B MODULE LH [SHORT]	Side air bag system	1	SRC-33, "DTC Logic"
B0020–11	SIDE A/B MODULE LH [GND-SHORT]			
B0020–12	SIDE A/B MODULE LH [VB-SHORT]			
B0020–13	SIDE A/B MODULE LH [OPEN]			
B0020–1A	SIDE A/B MODULE LH [SHORT]			
B0021–09	CURTAIN A/B MODULE LH [SHORT]	Side air bag system	3	SRC-35, "DTC Logic"
B0021–11	CURTAIN A/B MODULE LH [GND-SHORT]			
B0021–12	CURTAIN A/B MODULE LH [VB-SHORT]			
B0021–13	CURTAIN A/B MODULE LH [OPEN]			
B0021–1A	CURTAIN A/B MODULE LH [SHORT]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B0028–09	SIDE A/B MODULE RH [SHORT]	Side air bag system	2	SRC-37, "DTC Logic"
B0028–11	SIDE A/B MODULE RH [GND-SHORT]			
B0028–12	SIDE A/B MODULE RH [VB-SHORT]			
B0028–13	SIDE A/B MODULE RH [OPEN]			
B0028–1A	SIDE A/B MODULE RH [SHORT]			
B0029–09	CURTAIN A/B MODULE RH [SHORT]	Side air bag system	4	SRC-39, "DTC Logic"
B0029–11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029–12	CURTAIN A/B MODULE RH [VB-SHORT]			
B0029–13	CURTAIN A/B MODULE RH [OPEN]			
B0029–1A	CURTAIN A/B MODULE RH [SHORT]			
B0091–11	B-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	2	SRC-41, "DTC Logic"
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]			
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]			
B0091–86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091–88	B-PILLAR SAT SEN LH [OPEN]			
B0091–93	B-PILLAR SAT SEN LH [RESET]			
B0093–11	DOOR SATEL SENS LH [GND-SHORT]	Sensor system	6	SRC-43, "DTC Logic"
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]			
B0093–81	DOOR SATEL SENS LH [COMM ERR]			
B0093–86	DOOR SATEL SENS LH [UNMATCH]			
B0093–88	DOOR SATEL SENS LH [OPEN]			
B0093–93	DOOR SATEL SENS LH [RESET]			
B0094–11	CRASH ZONE SENS [GND-SHORT]	Sensor system	1	SRC-45, "DTC Logic"
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]			
B0094–81	CRASH ZONE SENS [COMM ERR]			
B0094–86	CRASH ZONE SENS [UNMATCH]			
B0094–88	CRASH ZONE SENS [OPEN]			
B0094–93	CRASH ZONE SENS [RESET]			

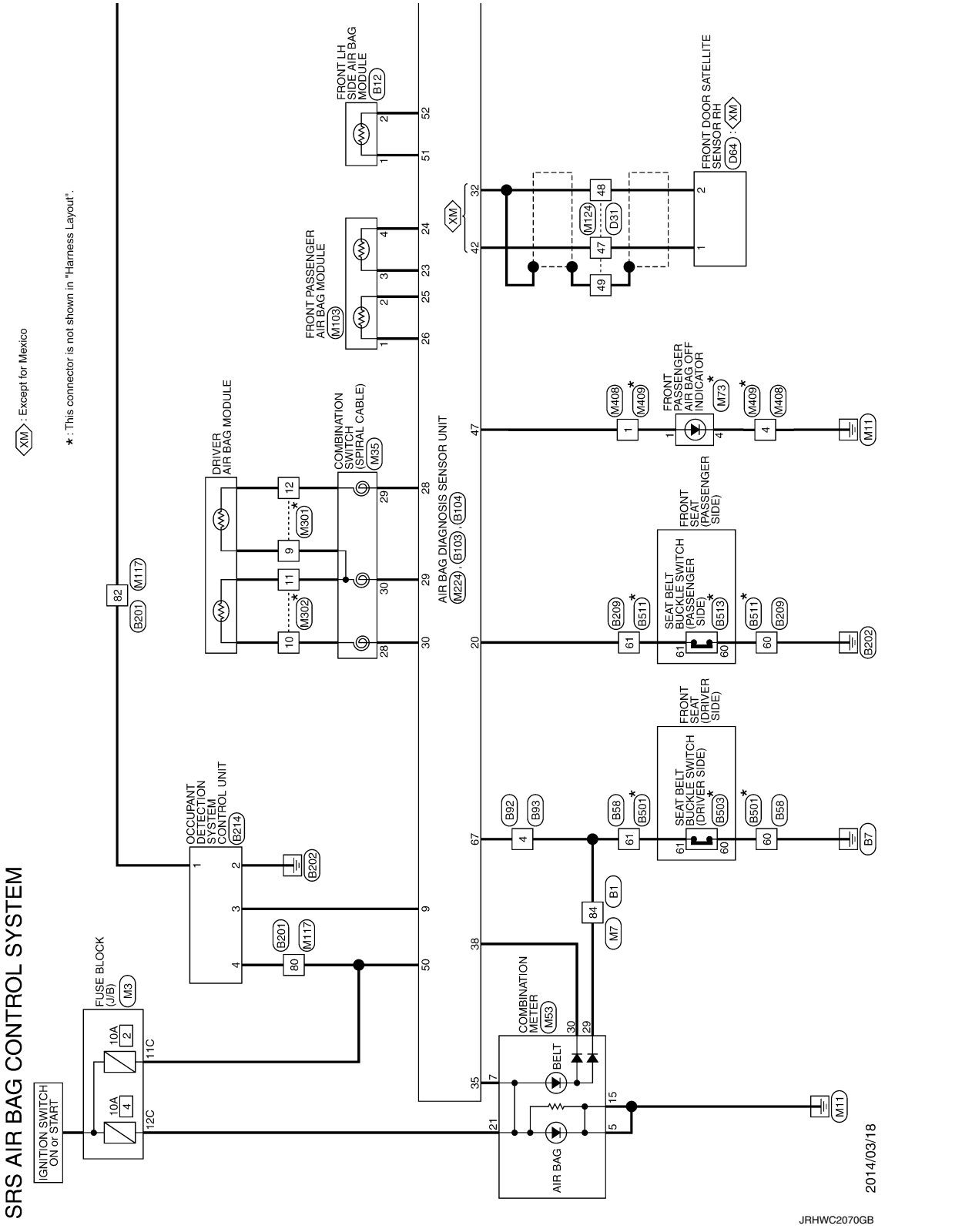
DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B0096–11	B-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	3	SRC-47, "DTC Logic"
B0096–23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0096–24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0096–25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0096–28	B-PILLAR SAT SEN RH [OFFSET ERR]			
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]	Sensor system	7	SRC-49, "DTC Logic"
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]			
B0098–28	DOOR SATEL SENS RH [OFFSET ERR]			
B0098–81	DOOR SATEL SENS RH [COMM ERR]			
B0098–86	DOOR SATEL SENS RH [UNMATCH]			
B0098–88	DOOR SATEL SENS RH [OPEN]			
B0098–93	DOOR SATEL SENS RH [RESET]			
B0099–11	SATELLITE SENSOR [GND-SHORT]	Sensor system	12	SRC-51, "DTC Logic"
B0099–23	SATELLITE SENSOR [LOWER LIMIT ERR]			
B0099–24	SATELLITE SENSOR [UPPER LIMIT ERR]			
B0099–25	SATELLITE SENSOR [SELF-DIAG ERR]			
B0099–28	SATELLITE SENSOR [OFFSET ERR]			
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]	Air bag control unit system	4	SRC-53, "DTC Logic"
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]			
B00A0–86	OCCUPANT SENS C/U [COMM ERR]			
B00A0–87	OCCUPANT SENS C/U [COMM ERR]			
B00A0–88	OCCUPANT SENS C/U [COMM ERR]			
B00A0–8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0–93	OCCUPANT SENS C/U [RESET]			
B00D5–04	PASS A/B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	SRC-55, "DTC Logic"
B00D5–11	PASS A/B INDCTR CKT [GND-SHORT]			
B00D5–12	PASS A/B INDCTR CKT [VB-SHORT]			
B00D5–13	PASS A/B INDCTR CKT [OPEN]			
B00D5–15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]			

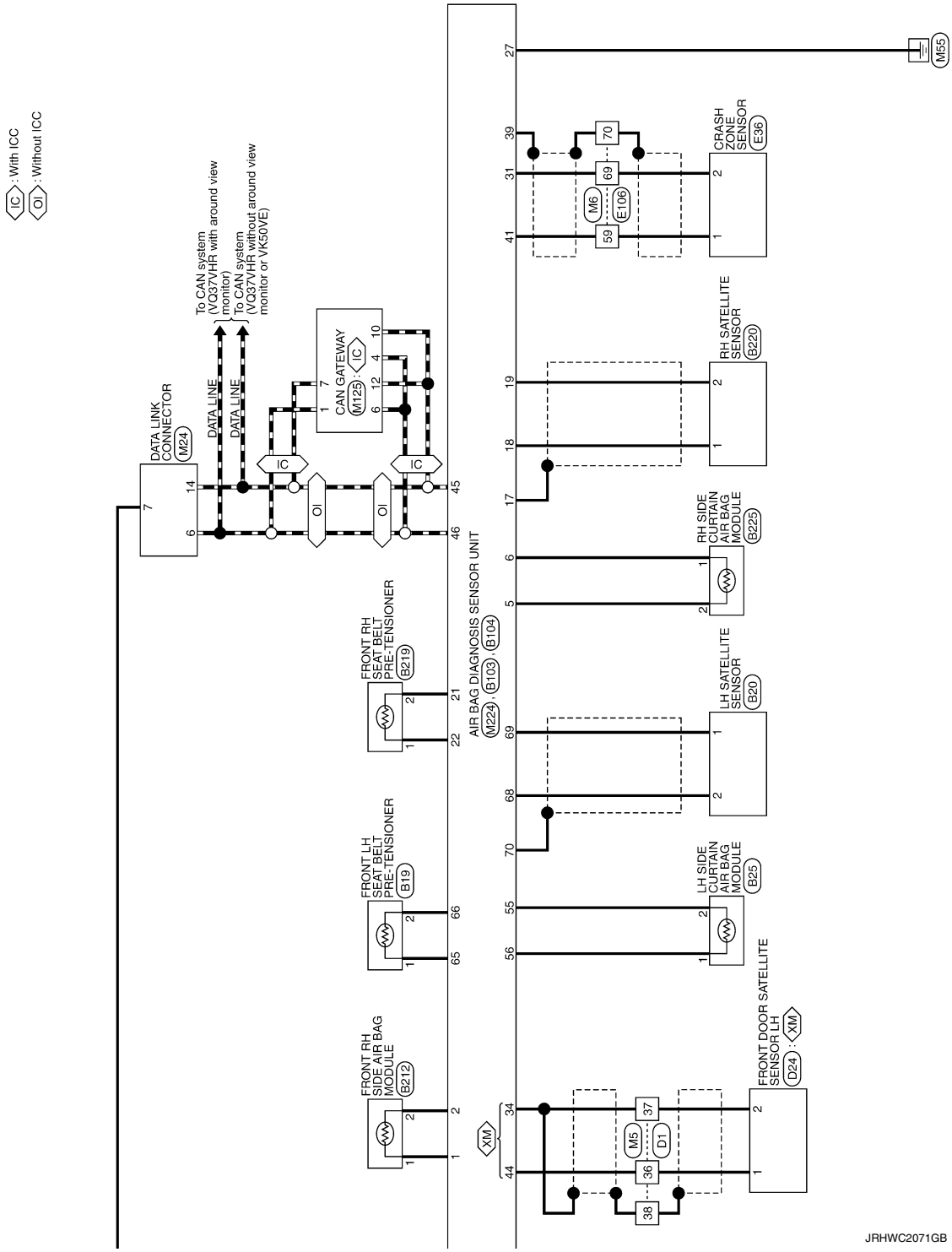
DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B1400–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-57, "DTC Logic"
B1401–00	CONTROL UNIT [UNIT MALFUNC]			
B1402–00	CONTROL UNIT [UNIT MALFUNC]			
B1403–00	CONTROL UNIT [UNIT MALFUNC]			
B1404–00	CONTROL UNIT [UNIT MALFUNC]			
B1405–00	CONTROL UNIT [UNIT MALFUNC]			
B1406–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-59, "DTC Logic"
B1407–00	CONTROL UNIT [UNIT MALFUNC]			
B1408–00	CONTROL UNIT [UNIT MALFUNC]			
B1409–00	CONTROL UNIT [UNIT MALFUNC]			
B1410–00	CONTROL UNIT [UNIT MALFUNC]			
B1411–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-61, "DTC Logic"
B1412–00	CONTROL UNIT [UNIT MALFUNC]			
B1413–00	CONTROL UNIT [UNIT MALFUNC]			
B1414–00	CONTROL UNIT [UNIT MALFUNC]			
B1415–00	CONTROL UNIT [UNIT MALFUNC]			
B1416–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-63, "DTC Logic"
B1417–00	CONTROL UNIT [UNIT MALFUNC]			
B1418–00	CONTROL UNIT [UNIT MALFUNC]			
B1419–00	CONTROL UNIT [UNIT MALFUNC]			
B1420–00	CONTROL UNIT [UNIT MALFUNC]			
B1421–00	FRONTAL COLLISION	Air bag control unit system	1	SRC-65, "DTC Logic"
B1422–00	SIDE COLLISION	Air bag control unit system	1	SRC-66, "DTC Logic"
B1423–00	ROLLOVER DETECTION	Air bag control unit system	1	SRC-67, "DTC Logic"
B1425–00	REAR COLLISION	Air bag control unit system	1	SRC-68, "DTC Logic"
B142A–16	IGNITION VOLTAGE [VB-LOW]	—	—	SRC-69, "DTC Logic"
B142A–17	IGNITION VOLTAGE [VB-HIGH]	—	—	
B1430–09	PRE-TEN FRONT LH [SHORT]	Front air bag system	3	SRC-71, "DTC Logic"
B1430–11	PRE-TEN FRONT LH [GND-SHORT]			
B1430–12	PRE-TEN FRONT LH [VB-SHORT]			
B1430–13	PRE-TEN FRONT LH [OPEN]			
B1430–1A	PRE-TEN FRONT LH [SHORT]			
B1431–09	PRE-TEN FRONT RH [SHORT]	Front air bag system	4	SRC-73, "DTC Logic"
B1431–11	PRE-TEN FRONT RH [GND-SHORT]			
B1431–12	PRE-TEN FRONT RH [VB-SHORT]			
B1431–13	PRE-TEN FRONT RH [OPEN]			
B1431–1A	PRE-TEN FRONT RH [SHORT]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B1500–23	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	Sensor system	6	SRC-75, "DTC Logic"
B1500–24	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]			
B1500–92	DOOR SATELLITE SENSOR [PERFRM ERR/INCRCT OPE]			

Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:0000000010580852




IC : With ICC
OI : Without ICC
To CAN system (VQ37VHR with around view monitor)
To CAN system (VQ37VHR without around view monitor or VK50VE)
DATA LINK CONNECTOR M24
DATA LINE
DATA LINE
CAN GATEWAY M125 IC
IC
OI
IC
OI
AIR BAG DIAGNOSIS SENSOR UNIT M224, B103, B104
FRONT RH SEAT BELT PRE-TENSIONER B219
FRONT LH SEAT BELT PRE-TENSIONER B19
FRONT RH SIDE AIR BAG MODULE B212
XM
M55
CRASH ZONE SENSOR E36
M6
E106
RH SATELLITE SENSOR B220
RH SIDE CURTAIN AIR BAG MODULE B225
LH SATELLITE SENSOR B20
LH SIDE CURTAIN AIR BAG MODULE B25
FRONT DOOR SATELLITE SENSOR LH D24 : XM
M5
D1
JRHWC2071GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	W	-
6	G	-
7	P	-
8	BG	-
10	SB	-
11	SB	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	Y	-
21	W	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	BG	-
28	W	-
38	B	-
39	B	-
43	SB	-
44	V	-
45	GR	-
51	V	-
52	SB	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-

57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	P	-
62	GR	-
63	G	-
64	BG	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	GR	-
71	G	-
72	B	-
73	W	-
74	V	-
75	BG	-
76	LG	-
77	L	-
78	GR	-
79	W	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	R	-
86	Y	-
87	B	-
88	G	-
89	BR	-
91	R	-
92	BG	-
93	BR	-
94	V	-
96	BG	-
97	W	-
98	GR	-
99	W	-

Connector No.	B12
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B19
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B20
Connector Name	LH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	B25
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY

H.S.

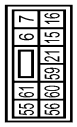
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y/B	-

JRHWC2072GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	B58
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
6	V	-
7	GR	-
15	BR	-
16	P	-
21	BG	-
55	G	-
56	L	-
59	LG	-
60	B	-
61	SB	-

Connector No.	B92
Connector Name	WIRE TO WIRE
Connector Type	TH04FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
4	SB	-

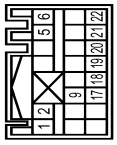
Connector No.	B93
Connector Name	WIRE TO WIRE
Connector Type	TH04MW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
4	SB	-

Connector No.	B103
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-1V-EX

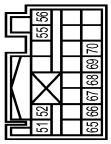
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	SIDE_INF_RH+
2	Y	SIDE_INF_RH-
5	Y/B	INF_CURTAIN_RR_RH-
6	Y	INF_CURTAIN_RR_RH+
9	G	ODS_INPUT
17	SHIELD	GND
18	G	SIDE_SENS_RH+
19	R	SIDE_SENS_RH-
20	LG	BUCKLE_SW_RH
21	Y	ELR_RH-
22	Y	ELR_RH+

Connector No.	B104
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-2V-EX

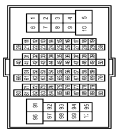
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
51	Y	SIDE_INF_LH+
52	Y	SIDE_INF_LH-
55	Y/B	INF_CURTAIN_RR_LH-
56	Y	INF_CURTAIN_RR_LH+
65	Y	ELR_LH-
66	Y	ELR_LH+
67	SB	BUCKLE_SW_LH
68	R	SIDE_SENS_LH-
69	G	SIDE_SENS_LH+
70	SHIELD	GND

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

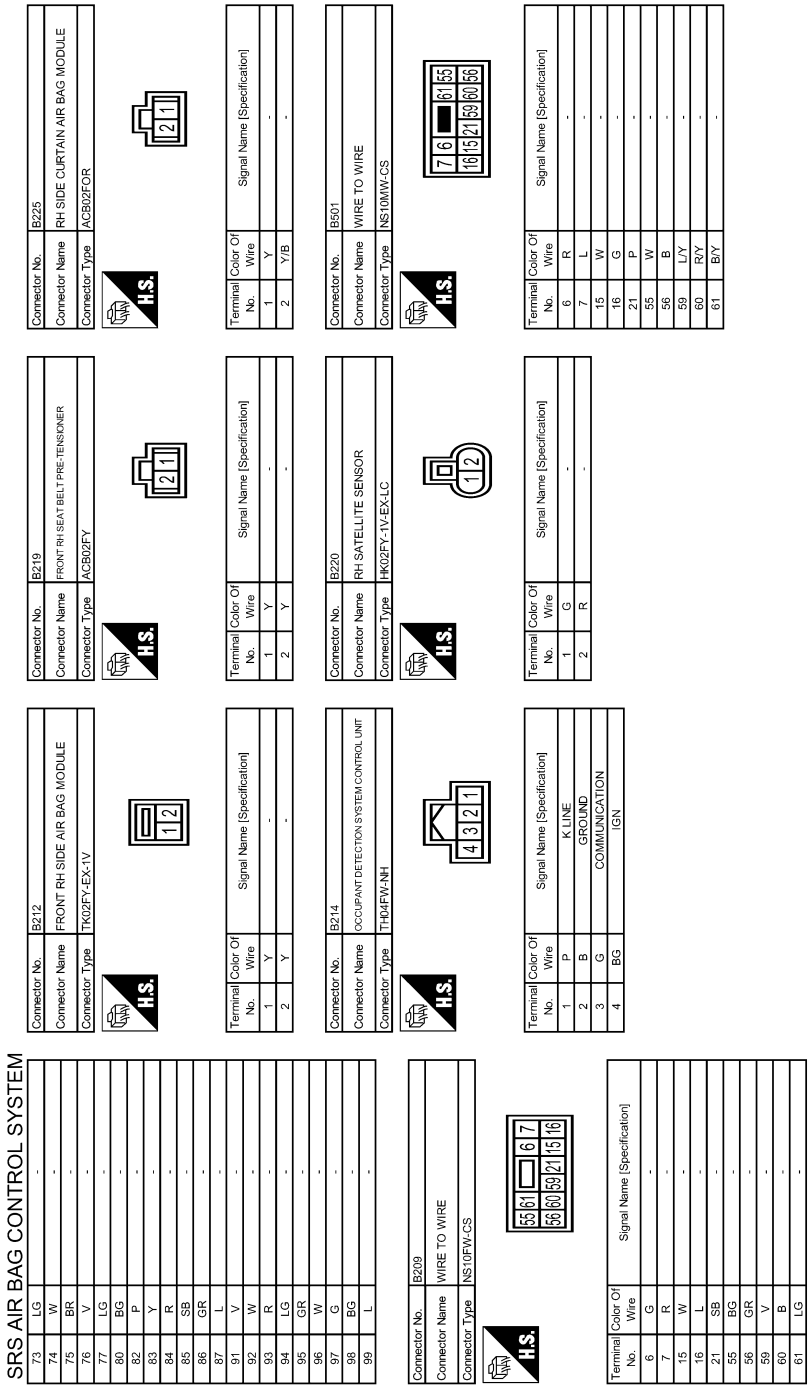
H.S.



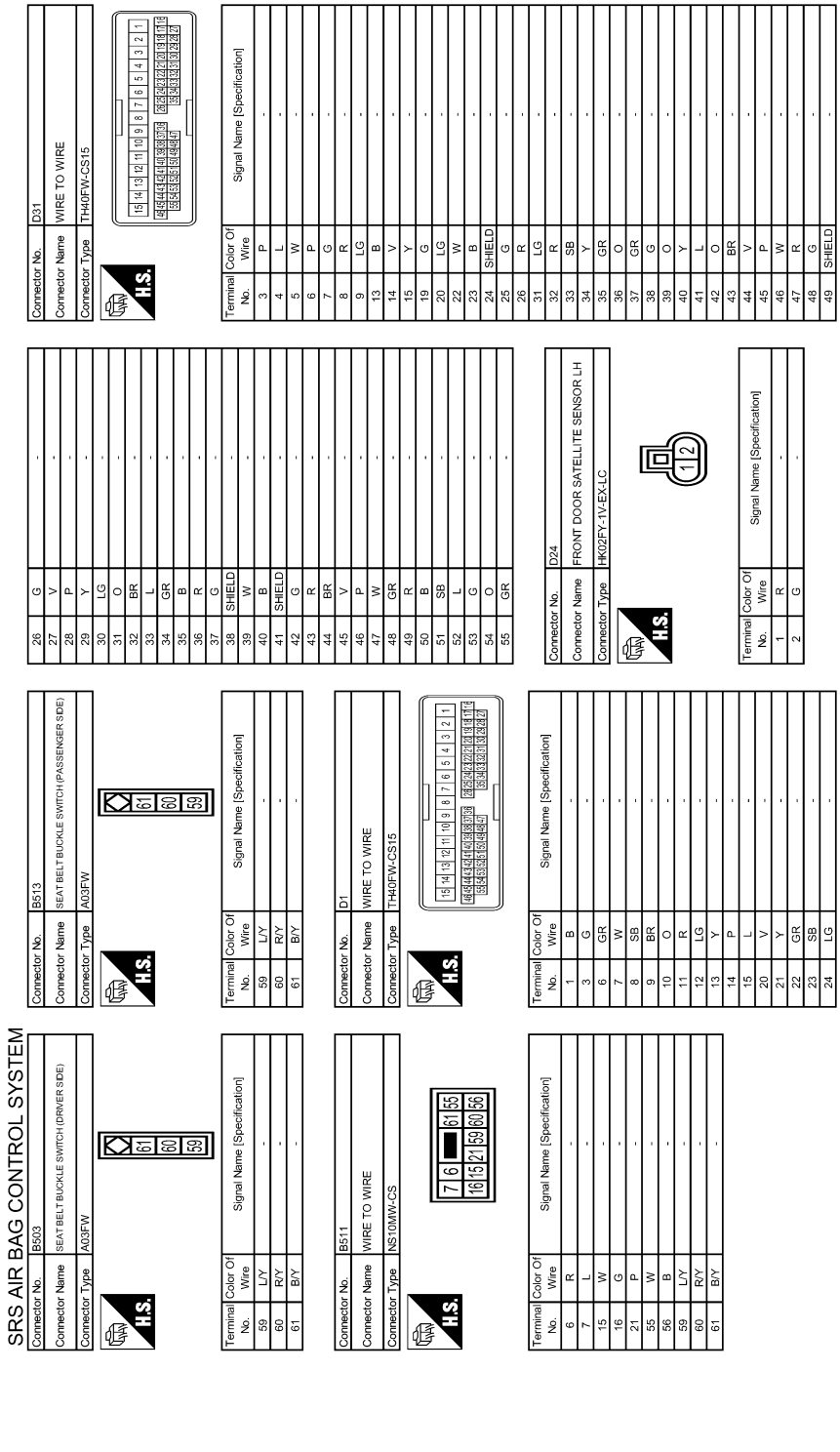
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	BR	-
4	SB	-
6	BG	-
7	GR	-
8	W	-
10	G	-
11	SHIELD	-
20	L	-

Terminal No.	Color Of Wire	Signal Name [Specification]
21	P	-
22	GR	-
23	LG	-
24	W	-
25	V	-
26	G	-
27	Y	-
28	SHIELD	-
31	W	-
32	GR	-
33	SB	-
36	L	-
37	P	-
38	L	-
39	P	-
40	LG	- [With ICC]
40	V	- [Without ICC]
41	SB	- [With ICC]
41	Y	- [Without ICC]
42	V	- [With ICC]
42	W	- [Without ICC]
43	B	- [With ICC]
43	BR	- [Without ICC]
44	R	-
45	G	-
46	BG	- [With ICC]
46	SHIELD	- [Without ICC]
47	B	- [Without ICC]
47	L	- [With ICC]
48	P	- [With ICC]
48	R	- [Without ICC]
49	G	- [With ICC]
49	W	- [Without ICC]
50	SHIELD	-
51	W	-
52	R	-
53	G	-
54	L	-
55	SB	-
60	GR	-
61	LG	-
62	SB	-
63	P	-
64	BR	-
65	BG	-
66	Y	-
67	W	-
69	G	-
71	SB	-
72	V	-

JRHWC2073GB



JRHWC2074GB



JRHWC2075GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	D64
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	E36
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	SB	-
4	LG	-
5	Y	-
6	W	-
7	G	-
8	V	-
9	R	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	SB	-
17	L	-
18	P	-
19	G	-
20	W	- [With ICC]
20	Y	- [Without ICC]
21	BR	-
22	R	- [With ICC]
22	V	- [Without ICC]
23	G	-
24	L	- [With ICC]
24	P	- [Without ICC]
25	L	- [Without ICC]
25	Y	- [With ICC]
26	SHIELD	-
28	G	-
29	LG	-
30	BG	-
32	W	-
33	Y	-
34	BG	-
37	Y	-
38	GR	-
39	LG	-
41	LG	-
42	V	-
43	R	-
44	G	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	SB	-
50	BR	-
51	B	-
52	Y	-
53	BG	-
54	R	-
55	SB	-
59	P	-
60	SB	-
61	V	-
62	P	-
63	LG	-
64	L	-
65	BG	-
69	L	-
70	SHIELD	-
71	G	-
72	G	-
73	R	-
74	BR	-
76	L	-
77	W	-
78	Y	-
80	SB	-
81	L	-
82	W	-
83	LG	-
84	GR	-
85	G	-
86	P	-
87	W	-
88	BG	-
89	LG	-
90	BR	-
91	GR	-
92	BR	-
93	SB	-
95	Y	-
96	W	-
97	W	-
98	SHIELD	-
100	Y	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	LG	-
12C	R	-
6C	P	-
7C	B	-
9C	BG	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	SB	-
6	R	-
7	W	-
8	G	-
9	L	-
10	BG	-
11	G	-
12	V	-

JRHWC2076GB

SRS AIR BAG CONTROL SYSTEM

13	Y	-
14	P	-
15	L	-
20	BG	-
21	LG	-
22	V	-
23	Y	-
24	P	-
26	SB	-
27	V	-
28	LG	-
29	R	-
30	P	-
31	BG	-
32	SB	-
33	L	-
34	R	-
35	B	-
36	R	-
37	G	-
38	SHIELD	-
39	W	-
40	B	-
41	SHIELD	-
42	G	-
43	R	-
44	G	-
45	Y	-
46	GR	-
47	W	-
48	L	-
49	R	-
50	BG	-
51	SB	-
52	R	-
53	Y	-
54	LG	-
55	L	-

Connector No. M6
Connector Name WIRE TO WIRE
Connector Type TH80MW-CS16-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	LG	- [Without Auto aircon seat]
3	SB	- [With Auto aircon seat]
4	LG	-
5	GR	-
6	W	-
7	G	-
8	W	-
9	P	-
10	BR	-
11	B	-
12	G	-
13	R	-
14	W	-
15	SHIELD	-
16	BR	-
17	L	-
18	P	-
19	G	-
20	GR	- [Without ICC]
20	W	- [With ICC]
21	BR	- [With ICC]
21	R	- [Without ICC]
22	L	- [Without ICC]
22	R	- [With ICC]
23	G	-
24	L	- [With ICC]
24	P	- [Without ICC]
25	W	- [Without ICC]
25	Y	- [With ICC]
26	SHIELD	-
28	GR	-
29	V	-
30	BG	-
32	W	-
33	Y	-
34	L	-
37	G	-
38	R	-
39	G	-
41	L	-
42	W	-
43	R	-
44	LG	-
45	GR	-
46	W	-
47	L	-
48	P	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	BG	-
54	BR	-
55	SB	-
59	SB	-
60	SB	-
61	V	-
62	P	-
63	R	-
64	L	-
65	BG	-
69	V	-
70	SHIELD	-
71	BG	-
72	GR	-
73	W	-
74	SB	-
76	V	-
77	V	-
78	Y	-
80	BG	-
81	L	-
82	W	-
83	Y	-
84	L	-
85	P	-
86	BR	-
87	P	-
88	V	-
89	G	-
90	P	-
91	R	-
92	R	-
93	GR	-
95	G	-
96	W	-
97	W	-
98	SHIELD	-
100	Y	-

Connector No. M7
Connector Name WIRE TO WIRE
Connector Type TH80MW-CS16-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [With Auto aircon seat]
1	Y	- [Without Auto aircon seat]
2	B	-
3	W	-
6	P	-
7	V	-
8	BG	-
10	W	-
11	BG	-
12	B	-
13	G	-
14	R	-
15	W	-
16	SHIELD	-
17	L	-
18	P	-
19	G	-
20	R	-
21	LG	-
23	V	-
24	P	-
25	BR	-
26	GR	-
27	BG	-
28	W	-
38	B	-
39	B	-
43	SB	-
44	W	-

JRHWC2077GB

SRS AIR BAG CONTROL SYSTEM

45	B	-
51	V	-
52	LG	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	P	-
58	L	-
59	SHIELD	-
60	L	-
61	BR	-
62	R	-
63	Y	-
64	L	-
65	W	-
66	V	-
67	LG	-
68	Y	-
69	G	-
70	V	-
71	W	-
72	B	-
73	W	-
74	LG	-
75	P	-
76	LG	-
77	SB	-
78	GR	-
79	R	-
80	L	-
81	P	-
82	L	-
83	P	-
84	SB	-
85	W	-
86	Y	-
87	B	-
88	G	-
89	BG	-
91	R	-
92	BG	-
93	BR	-
94	V	-
96	BG	-
97	W	-
98	R	-
99	BG	-

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	GR	-
8	G	-
11	SB	-
12	P	-
13	L	-
14	P	-
16	BG	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V

Terminal No.	Color Of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y	-
30	Y	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER->AMP.)
3	GR	COMMUNICATION SIGNAL (AMP.->METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	P	AIR BAG SIGNAL
10	G	SECURITY INDICATOR SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH GROUND
21	R	IGNITION SIGNAL
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP.->LCD)
26	R	VEHICLE SPEED SIGNAL (8-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	PASSENGER SEAT BELT WARNING SIGNAL
31	L	WASHER LEVEL SWITCH SIGNAL
34	B	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH04MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
4	-	-

Connector No.	M103
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	RK04FY-BD

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
4	Y	-

JRHWC2078GB

SRS AIR BAG CONTROL SYSTEM

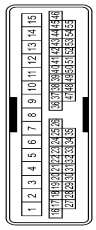
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	V	-
4	SB	-
6	Y	-
7	B	-
8	W	-
10	W	-
11	SHIELD	-
20	R	-
21	G	-
22	GR	-
23	V	-
24	W	-
25	R	-
26	P	-
27	L	-
28	SHIELD	-
31	W	-
32	W	-
33	SB	-
36	L	-
37	P	-
38	L	-
39	P	-
40	V	- [With ICC]
41	SB	- [Without ICC]
41	Y	- [With ICC]
42	V	- [Without ICC]
42	W	- [With ICC]
43	B	- [Without ICC]
43	P	- [With ICC]
44	R	-
45	G	- [Without ICC]
45	L	- [With ICC]
46	BG	- [With ICC]
46	SHIELD	- [Without ICC]
47	B	- [Without ICC]
47	L	- [With ICC]
48	P	- [With ICC]
48	R	- [Without ICC]
49	G	- [With ICC]
49	W	- [Without ICC]
50	SHIELD	-
51	BG	-
52	GR	-
53	G	-
54	L	-
55	P	-
60	LG	-
61	R	-
62	SB	-
63	V	-
64	Y	-
65	BR	-
66	BG	-
67	W	-
69	G	-
71	SB	-
72	V	-
73	V	-
74	LG	-
75	BR	-
76	V	-
77	LG	-
80	R	-
82	Y	-
83	BG	-
84	W	-
85	SB	-
86	B	-
87	P	-
91	L	-
92	L	-
93	G	-
94	BG	-
95	V	-
96	G	-
97	G	-
98	L	-
99	LG	-

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

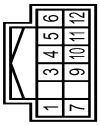
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
4	LG	-
5	SB	-
6	BR	-
7	G	-
8	V	-
9	LG	-
13	B	-
14	BG	-
15	W	-
19	G	-
20	LG	-
22	W	-
23	B	-
24	SHIELD	-
25	G	-
26	R	-
31	BG	-
32	Y	-
33	LG	-
34	SB	-
35	V	-
36	BG	-
37	GR	-
38	G	- [Without automatic drive positioner]
38	R	- [With automatic drive positioner]
39	B	-
40	R	-
41	P	-
42	LG	-
43	L	-
44	Y	-
45	R	-
46	W	-
47	Y	-
48	BR	-
49	SHIELD	-

Connector No.	M125
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH

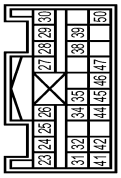
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
3	GR	BATTERY
4	L	CAN-H
5	B	GROUND
6	L	CAN-H
7	P	CAN-L
9	LG	IGNITION
10	P	CAN-L
11	B	GROUND
12	P	CAN-L

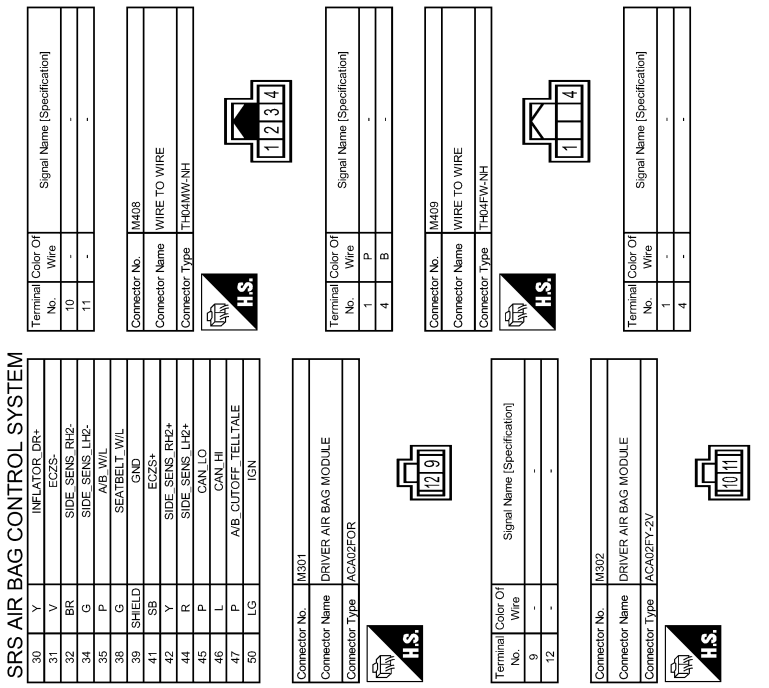
Connector No.	M224
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH26FY-EX

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	INFLATOR_AS2+
24	Y	INFLATOR_AS2-
25	Y	INFLATOR_AS1-
26	Y	INFLATOR_AS1+
27	B	GND
28	Y	INFLATOR_DR2+
29	Y	INFLATOR_DR1-&DR2-

JRHWC2079GB



JRHWC2080GB

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000010580853

1. CHECK AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to the following items. SR-11, "Exploded View" (Driver air bag module) SR-17, "Exploded View" (Front passenger air bag module) SE-122, "Exploded View" (Front side air bag module) SR-19, "Exploded View" (Side curtain air bag module).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to PG-120, "Fuse, Connector and Terminal Arrangement".

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

YES >> GO TO 4.

NO >> Replace the air bag fuse and GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Turn ignition switch ON.

Check the air bag fuse. Refer to PG-120, "Fuse, Connector and Terminal Arrangement".

Does the air bag fuse blow again?

YES >> Repair or replace related harness.

NO >> GO TO 4.

4. CHECK SELF DIAGNOSIS RESULT

Perform “AIR BAG” Self Diagnostic result.

Is DTC detected?

YES >> Repair or replace the malfunctioning parts.

NO >> Check the intermittent incident. Refer to GI-47, "Intermittent Incident".

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:0000000010580854

1.CHECK METER FUSE

Check the meter fuse. Refer to PG-120, "Fuse, Connector and Terminal Arrangement".

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

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

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Does the meter fuse blow again?

YES >> Repair or replace the related harness.
NO >> INSPECTION END

3.CHECK HARNESS CONNECTION

1. Check harness connection between air bag diagnosis sensor unit and combination meter.
2. 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 SR-25, "Exploded View".
NO >> Replace combination meter assembly. Refer to MWI-143, "Exploded View".

PRECAUTION

PRECAUTIONS

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

INFOID:0000000010580855

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:

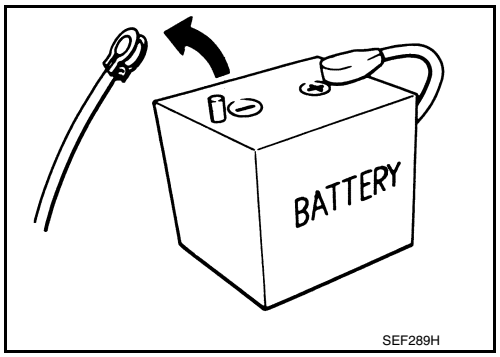
Always observe the following items for preventing accidental activation.

- **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.**

Precautions for Removing Battery Terminal

INFOID:0000000010709183

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
  NOTE:
  ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.
  NOTE:
  If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.



SEF289H

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.
  NOTE:
  The removal of 12V battery may cause a DTC detection error.

Occupant Detection System Precaution

INFOID:0000000010580857

- Replace Occupant Detection System control unit and passenger front seat cushion as an assembly. Refer to SE-125, "Removal and Installation".

Service

INFOID:0000000010580856

- 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.
  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 at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace 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 proper 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.