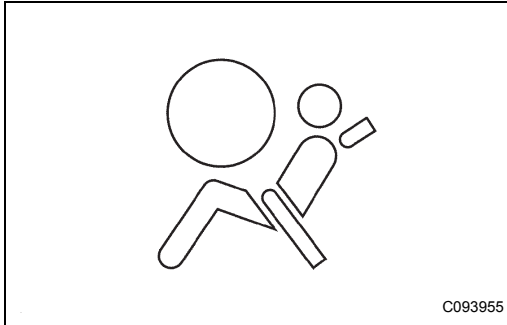


SRS AIRBAG SYSTEM

OPERATION CHECK



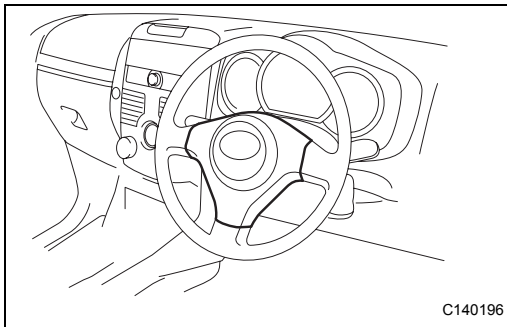
1. CHECK AIRBAG WARNING LIGHT

- (a) Check that the warning light comes on when the ignition switch is turned on (IG).
- (b) Check that the warning light goes off approximately 6 seconds after the ignition switch is turned on (IG).

RS

HINT:

- If the warning light remains on for more than approximately 6 seconds after the ignition switch is turned on (IG), there is a malfunction in the airbag and pretensioner system.
- If the warning light continues to come on occasionally even after approximately 6 seconds has elapsed after the ignition switch is turned on (IG), the cause may be a short to the +B of the airbag warning system or a short or open ground.
- If the light remains on even when the ignition switch is turned off or to the ACC position, there may be a failure in the power supply system or in the combination meter assembly.



2. CHECK HORN BUTTON ASSEMBLY

- (a) For vehicles that have not been involved in a collision:
 - (1) If there are any of the following symptoms, replace the horn button assembly with a new one.

Standard:

There are cracks, dents or chips on the horn button assembly pad surface.

- (b) For vehicles that have been involved in a collision without the airbags being deployed:

CAUTION:

Follow these procedures correctly when replacing the horn button assembly.

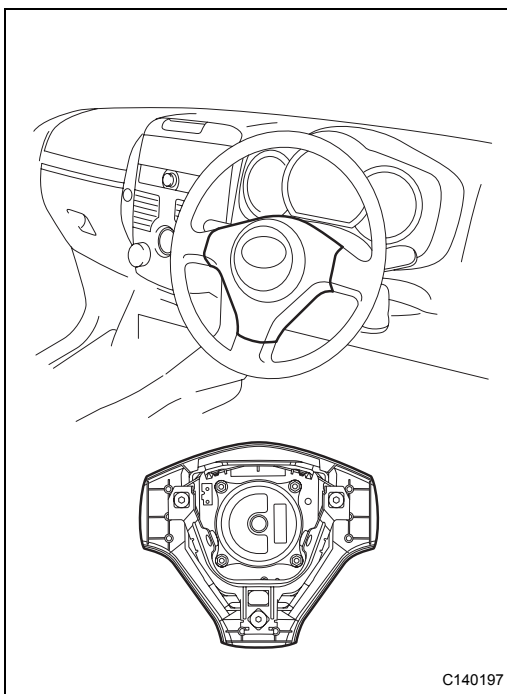
- (1) If there are any of the following symptoms when removing the horn button assembly, replace the assembly with a new one.

Standard:

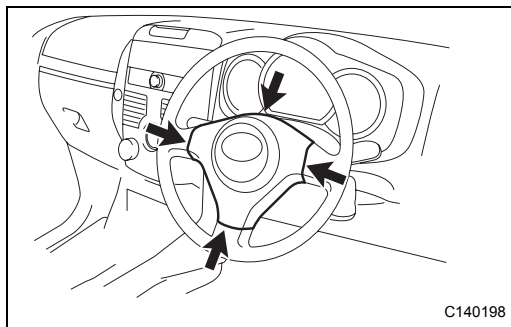
There are cracks, dents or chips on the horn button assembly pad surface.

There are scratches, abrasions, cracks or other damage to the connector and wire harness.

The horn button assembly has been dropped.



RS



- (2) If there are any of the following symptoms, replace the horn button assembly and steering wheel assembly with new ones as a set.

Standard:

The horn button assembly and steering wheel assembly interfere, making installation difficult.

The clearance when the horn button assembly and steering wheel assembly have been installed is not even.

There is deformation of the steering wheel assembly bracket.

NOTICE:

If there is any deformation of the steering wheel assembly bracket, do not attempt to repair it. Instead, replace it with a new one.

3. CHECK INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY

- (a) For vehicles that have not been involved in a collision:

- (1) If there are any of the following symptoms, replace the instrument panel passenger airbag assembly with a new one.

Standard:

There are cracks, dents or chips on the instrument panel passenger airbag assembly surface.

- (b) For vehicles that have been involved in a collision without the airbags being deployed:

CAUTION:

Follow the correct instrument panel passenger airbag assembly replacement procedure.

- (1) Remove the instrument panel passenger airbag assembly and if there are any of the following symptoms, replace the assembly with a new one.

Standard:

There are cracks, dents or chips on the instrument panel passenger airbag assembly surface.

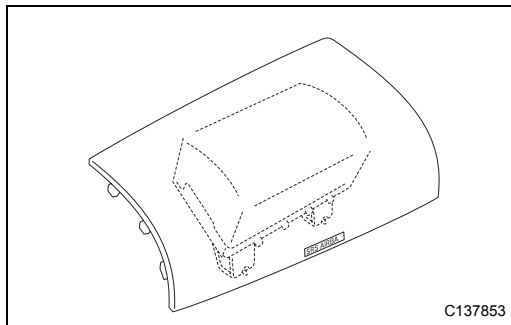
There are scratches, abrasions, cracks or other damage to the connector and wire harness.

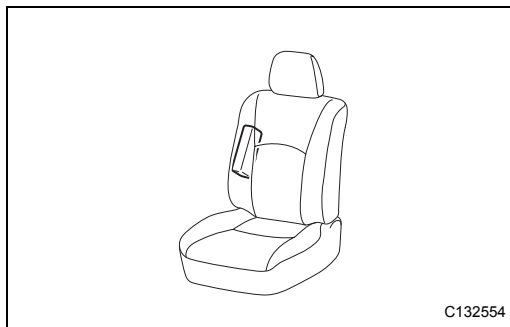
The instrument panel passenger airbag assembly has been dropped.

There is deformation of the instrument panel passenger airbag assembly bracket and the instrument panel reinforcement bracket.

NOTICE:

If there is any deformation of the instrument panel passenger airbag assembly bracket and instrument panel reinforcement bracket, do not attempt to repair the parts. Instead, replace the parts with new ones.





4. CHECK FRONT SEAT AIRBAG ASSEMBLY

- (a) For vehicles that have not been involved in a collision:
- (1) If there are any of the following symptoms, replace the front seat airbag assembly with a new one.

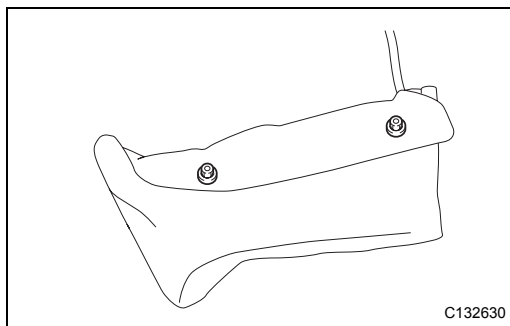
NOTICE:

When replacing the front seat airbag assembly, replace it with the front seat assembly.

Standard:

There are cracks, dents or chips on the front seat airbag assembly surface and grooved part.

RS



- (b) For vehicles that have been involved in a collision without the airbags being deployed:

CAUTION:

Follow the correct front seat airbag assembly replacement procedure.

- (1) Remove the front seat airbag assembly and if there are any of the following symptoms, replace the assembly with a new one.

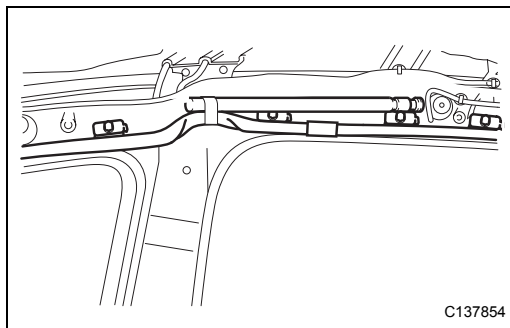
Standard:

There are cracks, dents or chips on the front seat airbag assembly surface.

There are scratches, abrasions, cracks or other damage to the connector and wire harness.

The front seat airbag assembly has been dropped.

There is deformation of the front seat airbag assembly bracket.



5. CHECK CURTAIN SHIELD AIRBAG ASSEMBLY

- (a) For vehicles that have not been involved in a collision:
- (1) If there are any of the following symptoms, replace the curtain shield airbag with a new one.

Standard:

There are cracks, dents, chips on or any other deformation of the curtain shield airbag surface.

- (b) For vehicles that have been involved in a collision without the airbags being deployed:

CAUTION:

Follow the correct curtain shield airbag replacement procedure.

- (1) Remove the curtain shield airbag and if there are any of the following symptoms, replace the airbag with a new one.

Standard:

There are cracks, dents, chips on or any other deformation of the curtain shield airbag surface.

There are scratches, abrasions, cracks or other damage to the connector and wire harness.

6. INSPECT AIRBAG COMPUTER ASSEMBLY

- (a) For vehicles that have not been involved in a collision or vehicles that have been involved in a collision without the airbags being deployed:

- (1) Check for DTCs.

- (b) For vehicles that have been involved in a collision in which the airbags deployed:
 - (1) Replace the airbag computer assembly with a new one.

7. CHECK FRONT AIRBAG SENSOR

- (a) For vehicles that have not been involved in a collision:
 - (1) Check for DTCs.
- (b) For vehicles that have been involved in a collision:
 - (1) Check for DTCs.
 - (2) If the front grille of the vehicle or any part around the grille has been damaged and there are any of the following symptoms, replace the front airbag sensor with a new one even if the airbag has not deployed.

Standard:

There is deformation of the installation part or missing paint.

There are scratches, abrasions, cracks or other damage to the front airbag sensor and connector.

There is damage to the serial number.

8. CHECK SIDE AIRBAG SENSOR ASSEMBLY

- (a) For vehicles that have not been involved in a collision:
 - (1) Check for DTCs.
- (b) For vehicles that have not been involved in a collision:
 - (1) Check for DTCs.
 - (2) If the side pillar of the vehicle or any part around the side pillar has been damaged and there are any of the following symptoms, replace the side airbag sensor assembly with a new one even if the airbag has not deployed.

Standard:

There is deformation of the bracket or paint missing.

There are scratches, cracks or other damage to the side airbag sensor assembly and connector part.

There is damage to the serial number or the label is peeled off.

9. CHECK SIDE AIRBAG SENSOR ASSEMBLY NO. 2

- (a) For vehicles that have not been involved in a collision or vehicles that have been involved in a collision without the airbags being deployed:
 - (1) Check for DTCs.
- (b) For vehicles that have not been involved in a collision:
 - (1) Check for DTCs.
 - (2) If the C pillar of the vehicle or any part around the C pillar has been damaged and there are any of the following symptoms, replace the airbag sensor rear with a new one even if the airbag has not deployed.

Standard:

There is deformation of the bracket or paint missing.

There are scratches, abrasions, cracks or other damage to the airbag sensor rear or connector.

There is damage to the serial number or the label is peeled off.

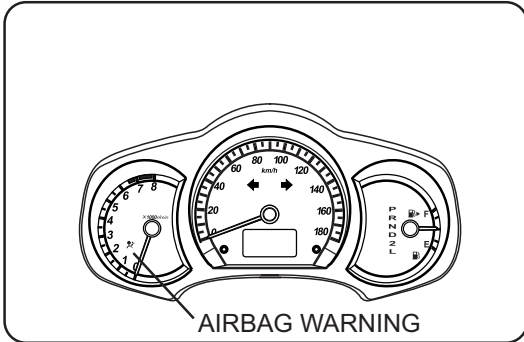
10. CHECK WIRE HARNESS AND CONNECTOR

- (a) For vehicles that have not been involved in a collision:
 - (1) Check for DTCs.
- (b) For vehicles that have not been involved in a collision:
 - (1) Check for DTCs.
 - (2) Check that there is no damage to the wire harness for the airbag and all wire harnesses whose contact points have been exposed.
 - (3) Check that there are no scratches, abrasions, cracks or other damage to the connector of the wire harness for the airbag.

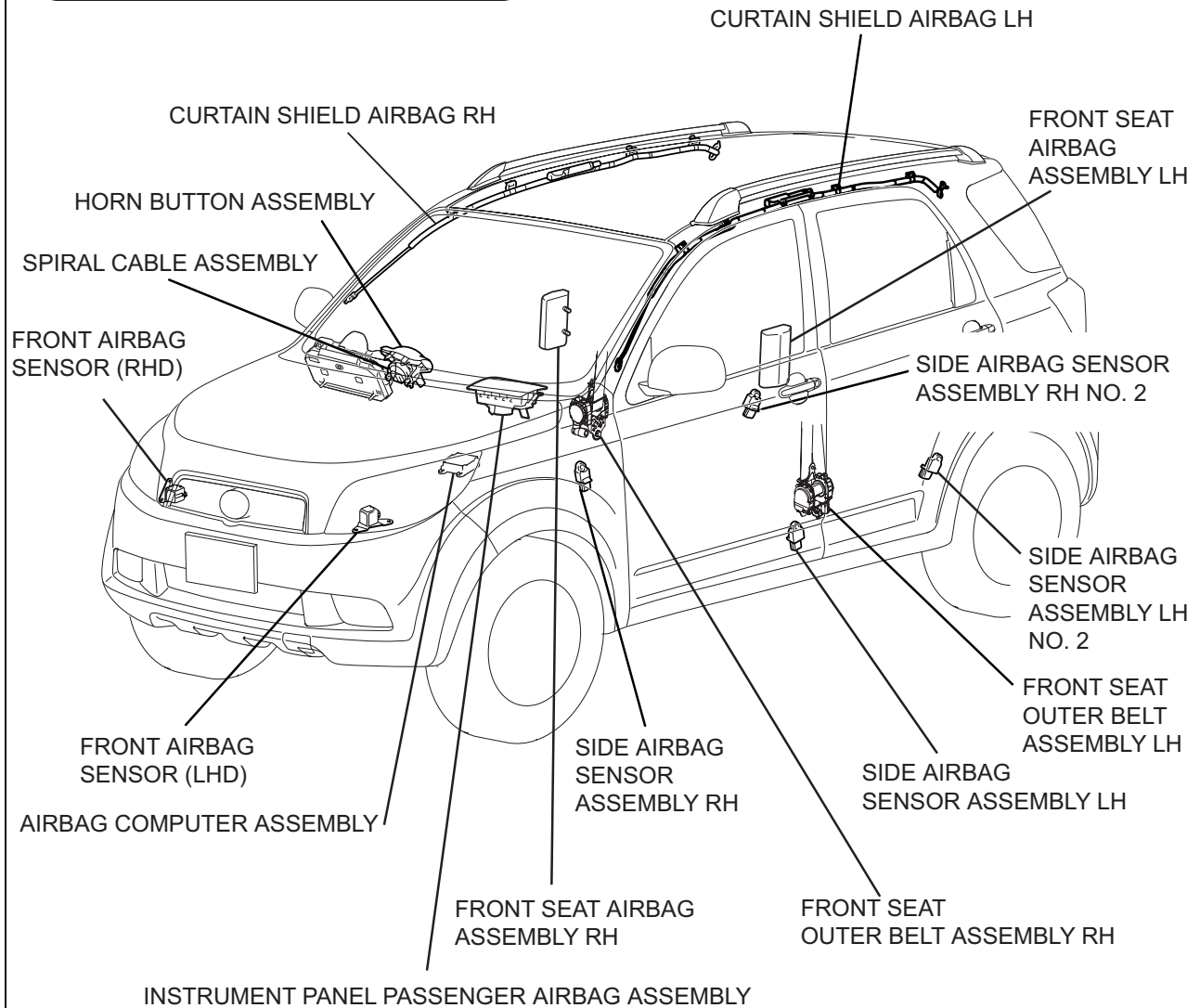
RS

LOCATION

COMBINATION METER ASSEMBLY



RS



DIAGNOSTIC TROUBLE CODE CHART

DTC No.	Diagnostic Item	Trouble area	Check Mode	Airbag warning light	Light code memory	See Page
B1000/31*4	Sensor unit malfunction	Airbag computer assembly	*1	○	○	RS-24
B1600/15*4	Right side front mechanical sensor malfunction	· Front airbag sensor RH · Airbag computer assembly · Instrument panel wire · Engine room main wire	*1	○	○	RS-25
B1605/15*4	Left side mechanical sensor malfunction	· Front airbag sensor LH · Airbag computer assembly · Instrument panel wire · Engine room main wire	*1	○	○	RS-25
B1620/32*4	Right side B pillar sensor malfunction	· Side airbag sensor assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-33
B1625/33*4	Left side B pillar sensor malfunction	· Side airbag sensor assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-38
B1630/23*4	Right side C pillar sensor malfunction	· Side airbag sensor assembly RH No. 2 · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-43
B1635/24*4	Left side C pillar sensor malfunction	· Side airbag sensor assembly LH No. 2 · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-48
B1800/13	Short circuit between driver seat front collision igniter lines	· Horn button assembly · Spiral cable assembly · Airbag computer assembly · Instrument panel wire	*2	○	○	RS-53

RS

RS

DTC No.	Diagnostic Item	Trouble area	Check Mode	Airbag warning light	Light code memory	See Page
B1801/14	Open circuit in driver seat front collision igniter circuit	· Horn button assembly · Spiral cable assembly · Airbag computer assembly · Instrument panel wire	*2	○	○	RS-57
B1802/11	Ground short circuit in driver seat front collision igniter circuit	· Horn button assembly · Spiral cable assembly · Airbag computer assembly · Instrument panel wire	*2	○	○	RS-61
B1803/12	Power supply short circuit in driver seat front collision igniter circuit	· Horn button assembly · Spiral cable assembly · Airbag computer assembly · Instrument panel wire	*2	○	○	RS-65
B1805/53	Short circuit between passenger seat front collision igniter lines	· Instrument panel passenger airbag assembly · Airbag computer assembly · Instrument Panel Wire	*2	○	○	RS-69
B1806/54	Open circuit in passenger seat front collision igniter circuit	· Instrument panel passenger airbag assembly · Airbag computer assembly · Instrument panel wire Y	*2	○	○	RS-72
B1807/51	Ground short circuit in passenger seat front collision igniter circuit	· Instrument panel passenger airbag assembly · Airbag computer assembly · Instrument Panel Wire	*2	○	○	RS-75
B1808/52	Power supply short circuit in passenger seat front collision igniter circuit	· Instrument panel passenger airbag assembly · Airbag computer assembly · Instrument Panel Wire	*2	○	○	RS-78
B1820/43	Short circuit between right side igniter lines	· Front seat airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-81

DTC No.	Diagnostic Item	Trouble area	Check Mode	Airbag warning light	Light code memory	See Page
B1821/44	Open circuit in right side igniter	· Front seat airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-84
B1822/41	Ground short circuit in right side igniter	· Front seat airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-87
B1823/42	Power supply short circuit in right side igniter	· Front seat airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-90
B1825/47	Short circuit between left side igniter lines	· Front seat airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-93
B1826/48	Open circuit in left side igniter	· Front seat airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-96
B1827/45	Ground short circuit in left side igniter	· Front seat airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-99
B1828/46	Power supply short circuit in left side igniter	· Front seat airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-102
B1830/83	Short circuit between right side curtain igniter lines	· Curtain shield airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-105
B1831/84	Open circuit in right side curtain igniter	· Curtain shield airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-108
B1832/81	Ground short circuit in right side curtain igniter	· Curtain shield airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-111
B1833/82	Power supply short circuit in right side curtain igniter	· Curtain shield airbag assembly RH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-114

RS

RS

DTC No.	Diagnostic Item	Trouble area	Check Mode	Airbag warning light	Light code memory	See Page
B1835/87	Short circuit between left side curtain igniter lines	· Curtain shield airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-117
B1836/88	Open circuit between left side curtain igniter	· Curtain shield airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-120
B1837/85	Ground short circuit in left side curtain igniter	· Curtain shield airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-123
B1838/86	Power supply short circuit in left side curtain igniter	· Curtain shield airbag assembly LH · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-126
B1900/63	Short circuit between front right seat pretensioner lines	· Front seat outer belt assembly RH (driver seat side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-129
B1901/64	Open circuit in front right seat pretensioner	· Front seat outer belt assembly RH (driver seat side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-132
B1902/61	Ground short in front right seat pretensioner	· Front seat outer belt assembly RH (driver seat side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-135
B1903/62	Power supply short circuit in front right seat pretensioner	· Front seat outer belt assembly RH (driver seat side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-138
B1905/73	Short circuit between front left pretensioner lines	· Front seat outer belt assembly LH (passenger side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-141

DTC No.	Diagnostic Item	Trouble area	Check Mode	Airbag warning light	Light code memory	See Page
B1906/74	Open circuit in front left side pretensioner	· Front seat outer belt assembly LH (passenger side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-144
B1907/71	Ground short in front left seat pretensioner	· Front seat outer belt assembly LH (passenger side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-147
B1908/72	Power supply short circuit in front left seat pretensioner	· Front seat outer belt assembly LH (passenger side pretensioner) · Airbag computer assembly · Floor wire No. 2	*2	○	○	RS-150

RS

HINT:

- *1: DTC is not corresponding to the check mode.
- *2: DTC is corresponding to the check mode.
- *3: Those code may appear not only due to a faulty airbag computer assembly but also due to a malfunction that occurs in the igniter circuit.
- *4: Those code may appear not only due to a faulty airbag sensor but also due to a malfunction that occurs in the ignition circuit.

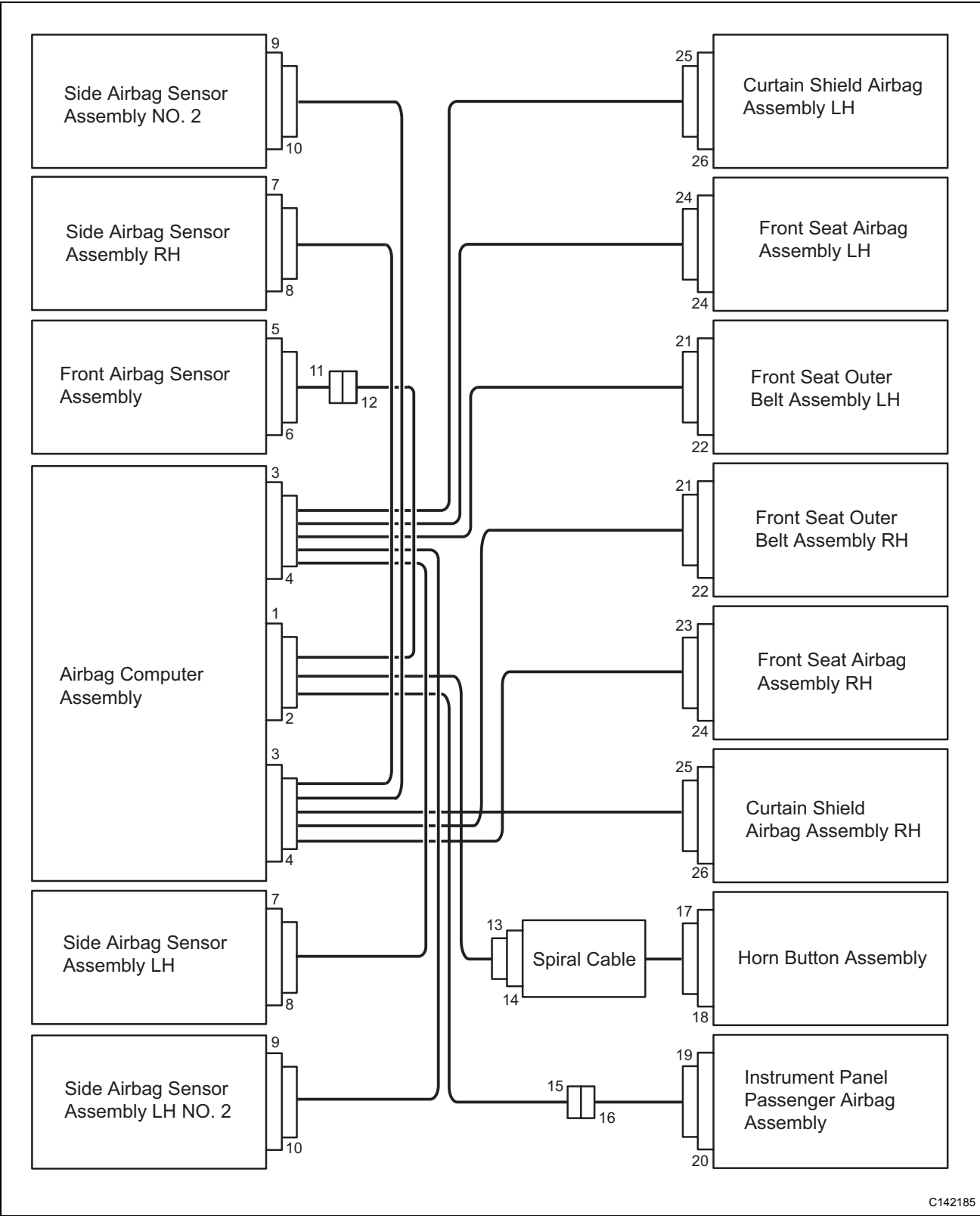
PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
The warning light remains on even after approximately 6 seconds have elapsed after the ignition switch is turned on (IG).	Warning light system	RS-155
	Power supply voltage system	RS-158
The warning light does not come on even when the ignition switch is turned on (IG).	Warning light system	RS-153

DESCRIPTION

1. CONNECTOR FUNCTIONS

RS



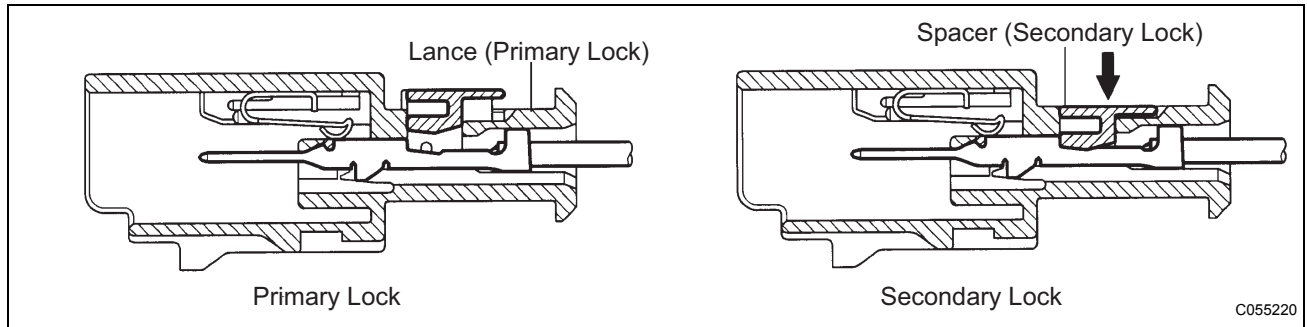
C142185

Mechanism Name	Applicable Connectors
Terminal twin-lock mechanism	2, 4, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 23, 25

Mechanism Name	Applicable Connectors
Half connection prevention mechanism	6, 8, 10, 12, 13, 15, 23
Connector twin-lock mechanism	19
Terminal short circuiting mechanism	2, 4, 14, 16, 18, 20, 22, 24, 26
Connector lock mechanism (1)	17, 19, 21, 25
Half connection detection mechanism (CPA connector)	6

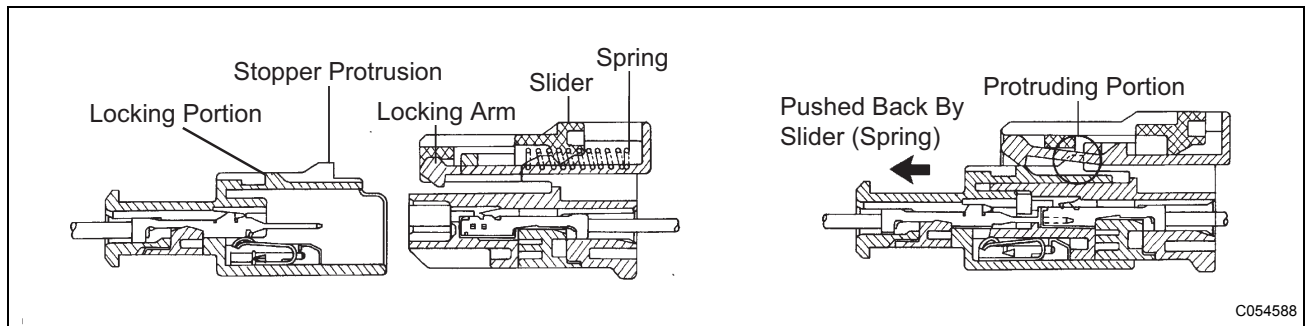
(a) Terminal twin-lock mechanism

RS



- (1) This mechanism increases the terminal holding power and prevents the terminal from coming out.
- (2) The connectors have a two-piece component consisting of a housing and a spacer. This design enables the terminal to be locked securely by the twin lock of the lance (primary lock) and the spacer (secondary lock).

(b) Half connection prevention mechanism

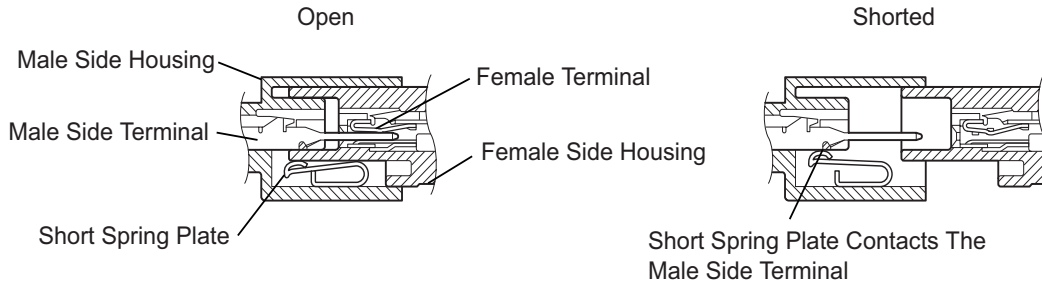


- (1) This mechanism prevents half connection of the connectors.
- (2) If the connector is not completely connected, the spring presses back the opposing connector (male) so that no continuity exists.

(c) Connector twin-lock mechanism

- (1) This mechanism is used in the connector of the wire harness for ignition, and by double locking the pairs of connectors (male, female), it improves the reliability of the connection. The mechanism is designed so that if the primary lock is not engaged, the protruding part prevents the secondary lock from being engaged.

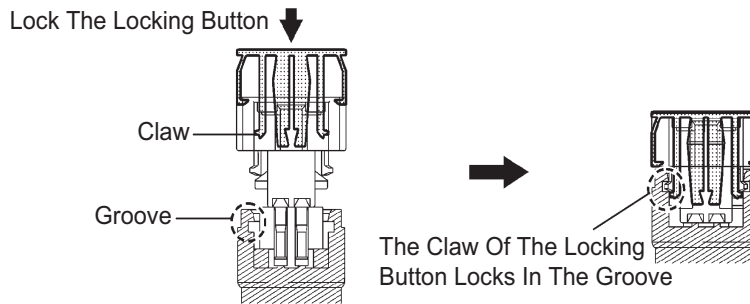
(d) Terminal short circuiting mechanism



C138240

- (1) This mechanism allows the airbag power supply terminal and the ground terminal to automatically short circuit when the connector is disconnected.
- (2) The spring plate contained in each connector forms a closed circuit (potential difference between the 2 terminals does not occur) on the airbag side to prevent any mistaken operation during servicing.

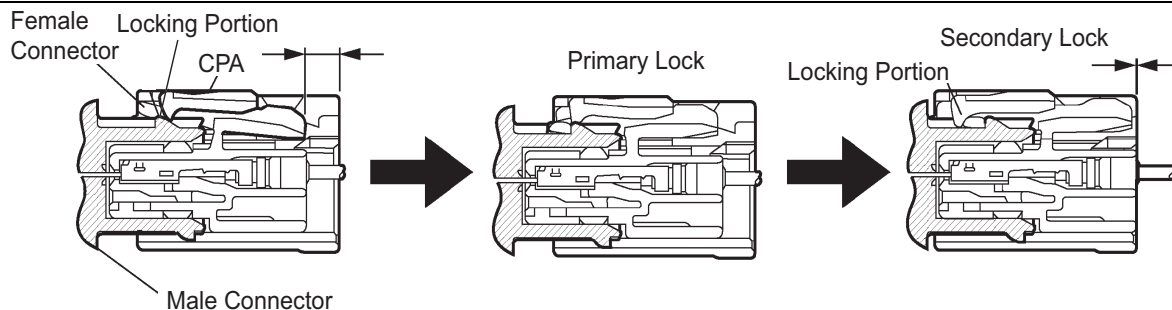
(e) Connector lock mechanism (1)



C067476

- (1) This mechanism prevents the connectors from coming out.
- (2) Locking the connector locking button engages the locking button claws on both sides of the opposing connector to connect the connector securely.

(f) Half connection detection mechanism (CPA connector)

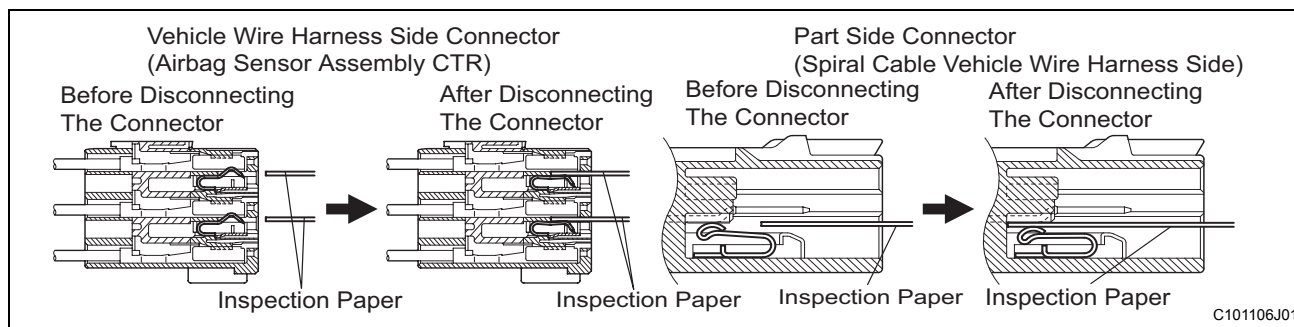


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- (1) This mechanism detects half connection of the connectors.
- (2) The CPA and female connector slide simultaneously to the male connector side and the primary lock engages when the female connector moves past the lock section of the male connector. From this point, only the CPA moves on to the male connector side, and the secondary lock engages when the CPA stopper moves past the female connector.

When the connection is complete, the CPA and female connector rear side align.

2. RELEASE TERMINAL SHORT CIRCUITING MECHANISM



- (a) Using paper of the same thickness as the terminal (0.5 mm), release the connector short circuiting mechanism.

NOTICE:

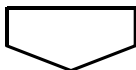
- Do not use paper of a different thickness to the terminal as it may damage the terminal and short spring.
- Do not release the connector short circuiting mechanism unless instructed to do so as part of troubleshooting.

HINT:

A connector with a short circuiting mechanism built in is used for the airbag system igniter circuit connector so that the terminal on the airbag side short circuits when the connector is disconnected. This prevents accidental airbag activation due to static electricity and the like.

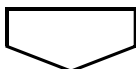
HOW TO PROCEED WITH TROUBLESHOOTING

1 VEHICLE BROUGHT TO WORKSHOP



2 CONDUCT CUSTOMER PROBLEM ANALYSIS AND CHECK SYMPTOMS

HINT:
(See page RS-18.)



3 CHECK FOR DTCs

HINT:
(See page RS-19.)

(a) CHECK FOR DTCs
(1) Record the DTC output.

HINT:
When outputting DTCs, see Diagnostic Trouble Code Chart RS-7.

DTC IS NOT OUTPUT (Go to step 8)

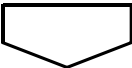
DTC DETECTED (GO to STEP 4)

RS

4

CHECK CONNECTOR AND CIRCUIT

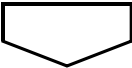
- (a) Turn the ignition switch off.
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Check to see if there is an error in the connection status of each connector, the terminal and the wire harness.



5

CLEAR DTCs FROM MEMORY

HINT:
See page RS-19.



6

DTC CHECK

HINT:
See page RS-19.

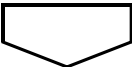
DTC DETECTED (GO to STEP 9)

DTC IS NOT OUTPUT (Go to step 7)

7

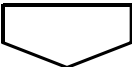
PERFORM REPRODUCTION METHOD

HINT:
See page RS-19.



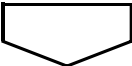
8

DETERMINE PROBLEM



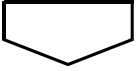
9

REPAIR OR REPLACE



10

CONFIRMATION TEST

**END****RS**

CUSTOMER PROBLEM ANALYSIS
CHECK

SRS Airbag System Check Sheet

Inspector's Name _____

Customer's Name		License Plate No.	
		First Registration Year	/ /
		VIN	
Date Vehicle Brought In	/ /	Odometer Reading	km

Date Problem Occured	/ /
Weather	Clear Cloudy Rainy Snowy Others
Temperature	Approximately

Vehicle Operating Condition	Starting Idling Driving (Constant speed·Increase Speed·Reduce Speed·Others)
Road Conditions	
Problem Content	

Before occurrence of problem, vehicle inspection and repair history(including SRS airbag system)

Diagnosis System Inspection

Airbag Warning Light Inspection	First Time	On Occasionally turns on Does not turn on
	Second Time	On Occasionally turns on Does not turn on
DTC Inspection	First Time	Normal Code Malfunction Code [Code]
	Second Time	Normal Code Malfunction Code [Code]

CHECK / CLEAR DTCs

1. READ DTC USING DS-II (NORMAL MODE)

- Turn the ignition switch off.
- Connect the DS-II to the DLC.
- After turning the ignition switch on (IG), follow the prompts on the DS-II screen to display the DTC CHECK screen. Select NORMAL MODE to read the DTCs.

2. READ DTC USING DS-II (CHECK MODE)

- Turn the ignition switch off.
- Connect the DS-II to the DLC.
- After turning the ignition switch on (IG), follow the prompts on the DS-II screen to display the DTC CHECK screen. Select CHECK MODE and read the DTCs.

NOTICE:

Display the DS-II DTC CHECK screen and select CHECK MODE to clear DTCs output up until that point (present and past).

HINT:

- Malfunctions can be detected with better sensitivity in check mode than in normal diagnosis mode.
- The CHECK MODE should be used to output the normal code when the DTCs are read out with the normal mode even though a malfunction in each inflator system is suspected.
- See the Diagnostic Trouble Code Chart (RS-7) to check whether or not the output DTC corresponds to the check mode.

3. Read the DTCs using the warning light.

- Make sure the vehicle is stopped.
- Turn the ignition switch on (IG) and wait 60 seconds.
- Using the SST, short the circuit between terminals 13 (ECUT) and 4 (E) of the DLC and read the number of times the warning light blinks.

SST 09843-18020

HINT:

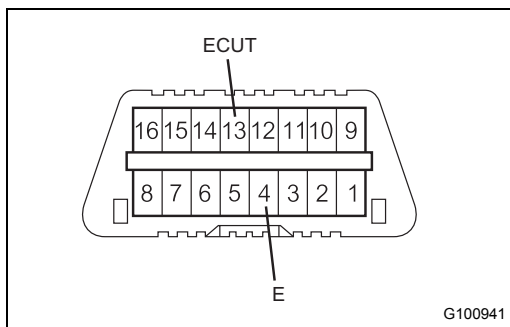
When there are 2 or more DTCs, they are output in order beginning with the lowest number. After all of the codes have been output, the codes are output a second time.

CAUTION:

- Be sure to short circuit the DLC using the specified SST.**
 - Be sure to short circuit the DLC properly, or malfunction may occur.**
- The airbag warning light in the combination meter blinks and the code is displayed.

HINT:

- All codes recorded are displayed repeatedly in order from the smallest number.
- When there is just 1 code, it is displayed once and then again after a 4 second delay.
- When there are 2 or more codes, each code is displayed from the smallest number 2.5 seconds apart until all the



codes have been displayed. This process is then repeated after a 4 second delay.

4. CLEAR DTCs WITH DS-II

- (a) Turn the ignition switch off.
- (b) Connect the DS-II to the DLC.
- (c) After turning the ignition switch on (IG), follow the DS-II's prompts and clear the DTCs.

5. CLEAR WITH DLC

- (a) After checking and repairing the trouble spots indicated by the DTC output, use the following procedure to clear the DTCs recorded.
 - (1) Using the DTC output display method, output and display the DTCs via the airbag warning lights.
 - (2) While looking at a clock (with a second hand), alternatively short circuit and open circuit the ECUT terminal and E terminal 4 of the DLC 4 times for 1 second (+/- 0.4 seconds), and then on the fifth time leave the ECUT and E terminals short circuited.

SST 09843-18020

CAUTION:

- **Be sure to short circuit the DLC using the specified SST.**
 - **Be sure to short circuit the DLC properly, or malfunction may occur.**
- (3) If the codes are properly cleared at this point, the airbag warning light will blink quickly.

HINT:

If the warning light does not blink quickly, repeat the procedure from the beginning.

- (4) After clearing the memory, check that the airbag warning light has gone off, then output the code again and check that the normal code is output.

DIAGNOSIS SYSTEM

1. PRIMARY CHECK

- (a) Turn the ignition switch off. Wait for at least 2 seconds, then turn the ignition switch on (IG). The warning light comes on for approximately 6 seconds and the diagnosis of the airbag and pretensioner system will be performed.

NOTICE:

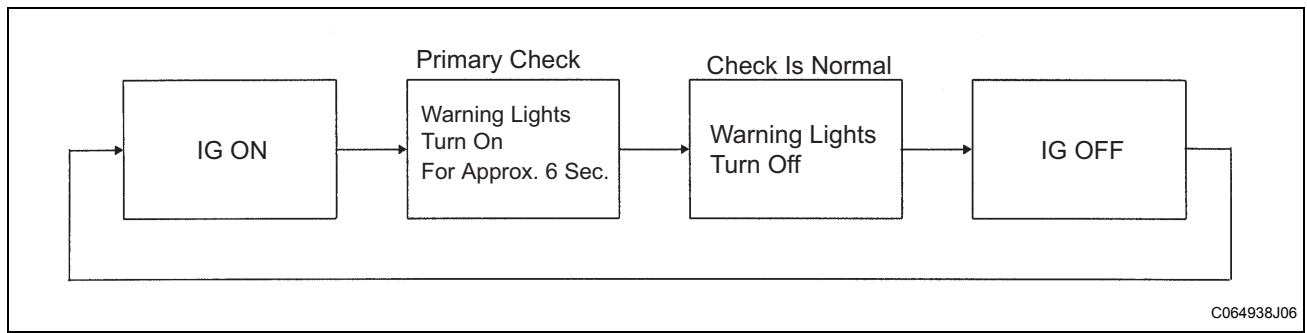
Turn the ignition switch off when connecting the battery.

- (b) If trouble is detected during the primary check, the warning light remains on even after approximately 6 seconds has elapsed.

2. CONSTANT CHECK

- (a) After the primary check is completed (the warning light goes off approximately 6 seconds after the ignition switch is turned on),

the airbag computer assembly makes the system available and constantly monitors the airbag system for trouble.



RS

- (b) If any trouble is detected during the constant check, the airbag computer assembly functions as follows.

- (1) The warning light comes on.

HINT:

If any trouble code is output, the warning light comes on.

- (2) The warning light comes on and then goes off.

HINT:

When the source voltage drops, the warning light comes on and then goes off 10 seconds after the source voltage returns to normal.

- (3) The warning light remains on or does not come on.

HINT:

The warning light remains on or does not come on at all if there is trouble with the combination meter assembly or the communication system.

3. SUMMARY

- (a) When the airbag system is normal:

- (1) The warning light comes on only during the primary check period (for approximately 6 seconds after the ignition switch is turned on [IG]).

- (b) When the airbag system has trouble:

- (1) The warning light remains on even after the primary check period has elapsed.

- (2) After the primary check period has elapsed, the warning light goes off once and then comes on again.

- (3) The warning light remains on or does not come on at all due to troubles with the combination meter assembly or the communication system.

- (4) The warning light is blinked by the airbag computer assembly even after the primary check period has elapsed if the airbag computer assembly has been activated due to a collision.(*1)

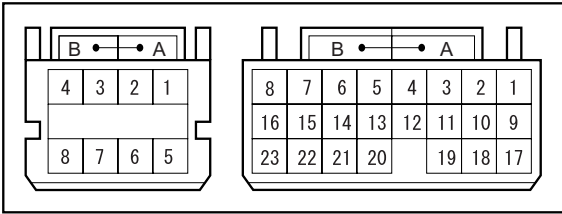
HINT:

- (*1) Above is a function for distinguishing an airbag computer assembly that has been activated from one that has not been activated.
- Always replace the vehicle sensors (airbag computer assembly, front airbag sensor, side airbag sensor assembly RH and LH, side airbag sensor assembly RH No. 2 and LH No. 2) with new ones if the airbags have been deployed, as they may not function correctly.

ECU TERMINALS

1. AIRBAG COMPUTER ASSEMBLY TERMINAL ARRANGEMENT
(VEHICLES WITHOUT CURTAIN SHIELD AIRBAGS AND SIDE AIRBAGS)

RS

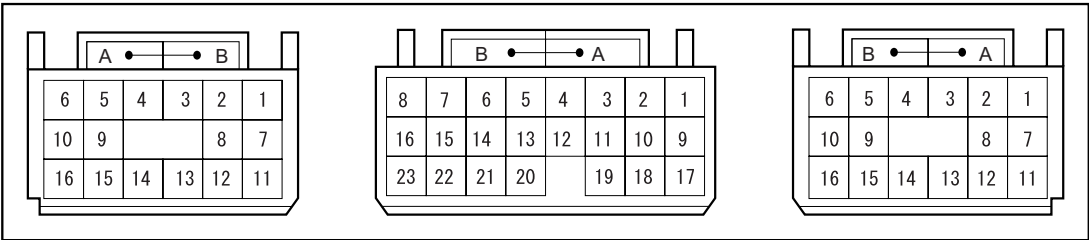


A B

C138243

Terminal No.	Terminal Symbol	Destination
A-5	PR+	RH pretensioner mechanism squib (+)
A-6	PR-	RH pretensioner mechanism squib (-)
A-7	PL-	LH pretensioner mechanism squib (-)
A-8	PL+	LH pretensioner mechanism squib (+)
B-1	AP+	Front passenger seat airbag squib (+)
B-2	AP-	Front passenger seat airbag squib (-)
B-3	AD-	Driver seat airbag squib (-)
B-4	AD+	Driver seat airbag squib (+)
B-9	IG1	IG power source
B-10	TC	Diagnosis startup
B-12	FSSR+ (LHD: FSSL+)	Front airbag sensor (+)
B-13	FSSR- (LHD: FSSL-)	Front airbag sensor (-)
B-17	SIL	DLC
B-18	GSW2	EFI ECU
B-19	E1	Ground
B-21	LA	Airbag warning light

2. AIRBAG COMPUTER ASSEMBLY TERMINAL ARRANGEMENT
(VEHICLES WITH CURTAIN SHIELD AIRBAGS AND SIDE AIRBAGS)



A B C

C138244

Terminal No.	Terminal Symbol	Destination
A-1	PL-	LH pretensioner mechanism squib (-)
A-2	PL+	LH pretensioner mechanism squib (+)
A-3	ICL+	LH curtain shield airbag squib (+)

Terminal No.	Terminal Symbol	Destination
A-4	ICL-	LH curtain shield airbag squib (-)
A-5	SFL-	LH side airbag squib (-)
A-6	SFL+	LH side airbag squib (+)
A-7	VUPL	LH side airbag sensor power, communications
A-9	ESL	LH side airbag sensor ground
A-11	CSL-	LH side airbag safing rear sensor (-)
A-12	ESCL	LH side airbag rear sensor ground
A-15	CSL+	LH side airbag safing rear sensor (+)
A-16	VUCL	LH side airbag rear sensor power, communications
B-1	AP+	Front passenger seat airbag squib (+)
B-2	AP-	Front passenger seat airbag squib (-)
B-3	AD-	Driver seat airbag squib (-)
B-4	AD+	Driver seat airbag squib (+)
B-9	IG1	IG power source
B-10	TC	Diagnosis startup
B-12	FSSR+ (LHD: FSSL+)	Front airbag sensor (+)
B-13	FSSR- (LHD: FSSL-)	Front airbag sensor (-)
B-17	SIL	DLC
B-18	GSW2	EFI ECU
B-19	E1	Ground
B-21	LA	Airbag warning light
C-1	SFR+	RH side airbag squib (+)
C-2	SFR-	RH side airbag squib (-)
C-3	ICR-	RH curtain shield airbag squib (+)
C-41	ICR+	RH curtain shield airbag squib (-)
C-5	PR+	RH pretensioner mechanism squib (+)
C-6	PR-	RH pretensioner mechanism squib (-)
C-8	ESR	RH side airbag sensor ground
C-10	VUPR	RH side airbag sensor power, communications
C-11	VUCR	RH side airbag rear sensor power, communications
C-12	CSR+	RH side airbag safing rear sensor (+)
C-15	ESCR	RH side airbag rear sensor ground
C-16	CSR-	RH side airbag safing rear sensor (-)

RS

DTC**B1000/31****Sensor unit error****DESCRIPTION**

The airbag computer assembly consists of the G sensor, the safing sensor, the drive circuit, the diagnosis circuit, the ignition control, etc. If the airbag computer assembly receives signals from the G sensor, it determines whether or not the airbags (horn button assembly, instrument panel passenger airbag assembly, curtain shield airbag RH and LH, front seat airbag assembly RH and LH) and pretensioners (front seat outer belt assembly RH and LH) should be activated and it detects trouble locations in the airbag system.

RS

DTC No.	DTC Detection Item	Trouble Area
B1000/31	• Airbag computer assembly malfunction	• Airbag computer assembly

INSPECTION PROCEDURE**HINT:**

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**CHECK FOR DTCs**

- Turn the ignition switch on (IG) and wait 60 seconds.
- Using the DS-II, clear the DTCs and then check the DTCs again. (See page RS-19.)

Standard:**DTC other than B1000/31 is not output.****HINT:**

DTC B1000/31 may appear due to a malfunction that occurs in the igniter circuit, such as a ground short circuit of 1kΩ, as well as airbag computer assembly malfunction.

NG**GO TO CORRESPONDING DTC****OK****REPLACE AIRBAG COMPUTER ASSEMBLY**

DTC	B1600/15	Right Side Front Mechanical Sensor Malfunction
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DTC	B1605/15	Left Side Mechanical Sensor Malfunction
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DESCRIPTION

The front airbag sensor circuit consists of the airbag computer assembly and the front airbag sensor.

The front airbag sensor detects impacts and sends the signal to the airbag computer assembly to determine airbag activation.

DTC B1600/15 is recorded if a malfunction is detected in the front airbag sensor RH circuit.

DTC B1605/15 is recorded if a malfunction is detected in the front airbag sensor LH circuit.

RS

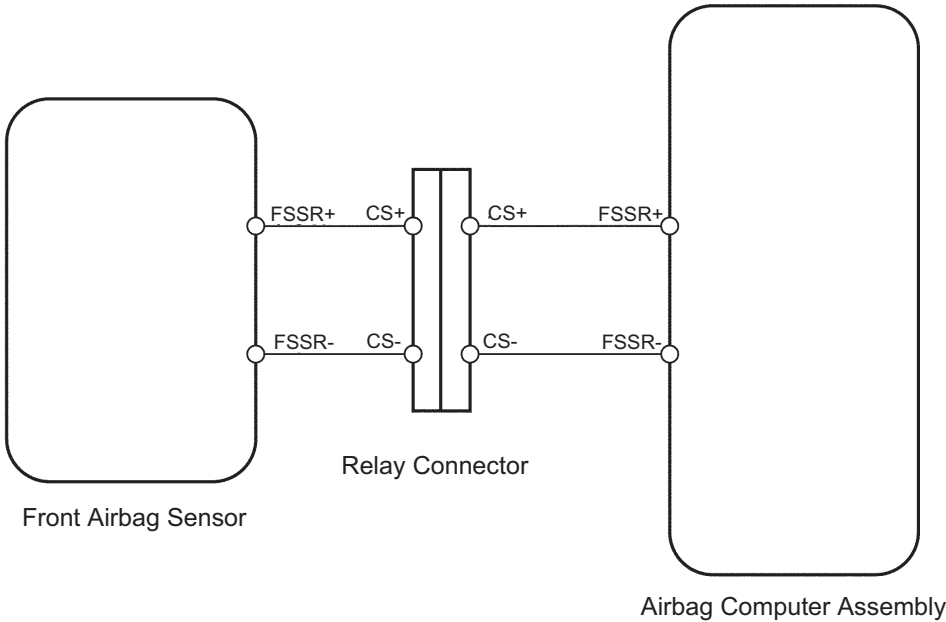
DTC No.	DTC Detection Item	Trouble Area
B1600/15	- Short circuit of wire harness +B, and ground short and open circuit between airbag computer assembly and front airbag sensor RH - Front airbag sensor RH malfunction - Airbag computer assembly malfunction	- Front Airbag Sensor RH - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and joint connector) - Engine room main wire (between joint connector and front airbag sensor RH)
B1605/15	- Short circuit of wire harness +B, and ground short and open circuit between airbag computer assembly and front airbag sensor LH - Front airbag sensor LH malfunction - Airbag computer assembly malfunction	- Front Airbag Sensor LH - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and joint connector) - Engine room main wire (between joint connector and front airbag sensor LH)

HINT:

The check procedure for DTC B1600/15 (Right side front mechanical sensor malfunction) is as follows. When checking for DTC B1605/15 (Left side front mechanical sensor malfunction), substitute FSSL+ for FSSR+ and FSSL- for FSSR- and carry out the check in the same way as listed below.

CIRCUIT DIAGRAM

RS

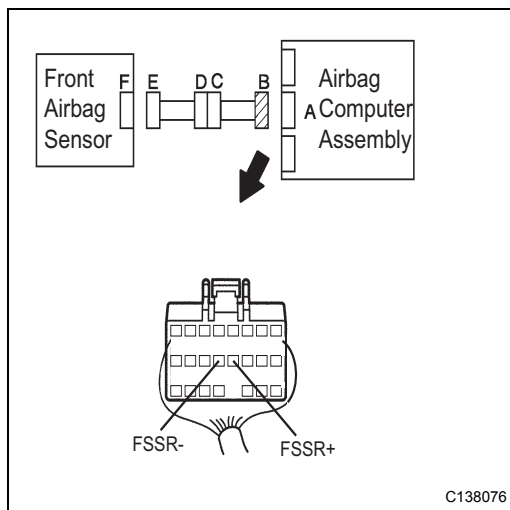


C138117

INSPECTION PROCEDURE

1	CHECK FRONT AIRBAG SENSOR RH CIRCUIT (+B SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT AIRBAG SENSOR RH)
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(For inspection procedures and precautions, see page IN-38.)



- Disconnect the negative battery terminal, and wait for 90 seconds.
HINT:
Check that the ignition switch is turned off (LOCK) before disconnecting the negative battery terminal.
- Disconnect the connectors from the airbag computer assembly and the front airbag sensor RH.
- Connect the negative battery terminal, and turn the ignition switch on (IG).
- Using a tester, check the voltage between terminals FSSR+ and FSSR- of connector B, and the body ground.

Standard:

1 V or less

NG**Go to step 7****OK**

2 CHECK FRONT AIRBAG SENSOR RH CIRCUIT (GROUND SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT AIRBAG SENSOR RH)

(For inspection procedures and precautions, see page IN-38.)

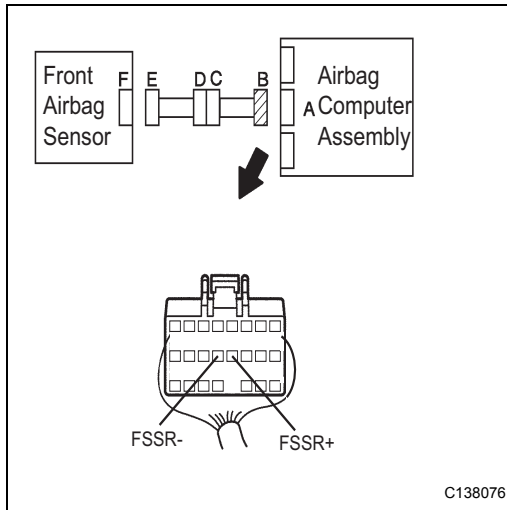
- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Using a tester, measure the resistance between terminals FSSR+ and FSSR- of connector B, and the body ground.

Standard:1 M Ω or higher**NG****Go to step 8****OK**

3 CHECK FRONT AIRBAG SENSOR RH (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT AIRBAG SENSOR RH)

(For inspection procedures and precautions, see page IN-38.)

RS



- (a) Using a tester, measure the resistance between terminals FSSR+ and FSSR- of connector B.

Standard:

1 MΩ or higher

NG

Go to step 9

OK

4

CHECK FRONT AIRBAG SENSOR RH CIRCUIT (OPEN CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT AIRBAG SENSOR RH)

SST 09843-18020

(For inspection procedures and precautions, see page IN-38.)

- (a) Using the SST, short the circuit between terminals FSSR+ and FSSR- of connector E.

NOTICE:

When short circuiting, do not insert the SST into the connector terminals with force.

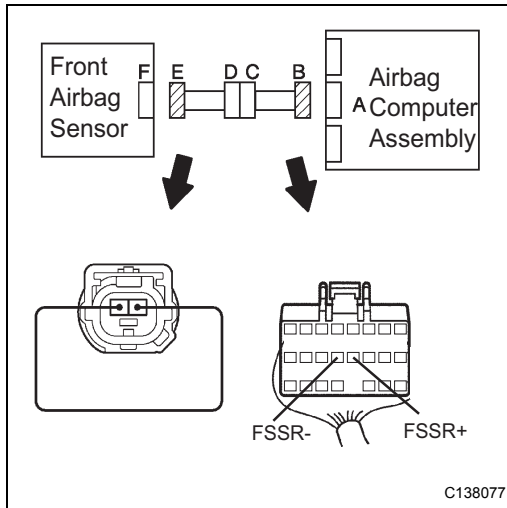
- (b) Using a tester, touch terminals FSSR+ and FSSR- of connector B with the tester probe and measure the resistance between connector B and connector E.

Standard:

1Ω or less

NG

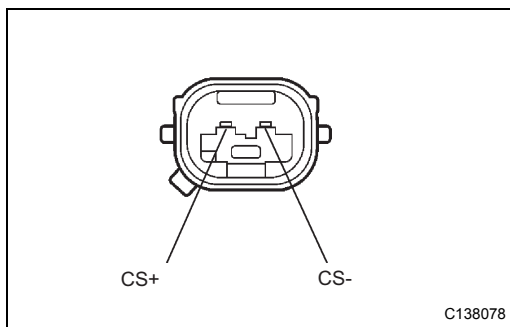
Go to step 10



OK

5

CHECK FRONT AIRBAG SENSOR RH UNIT



- (a) Using a tester, touch terminals CS+ and CS- of the front airbag sensor RH with the tester probe and measure the resistance of the front airbag sensor RH.

Standard:

820Ω

NG

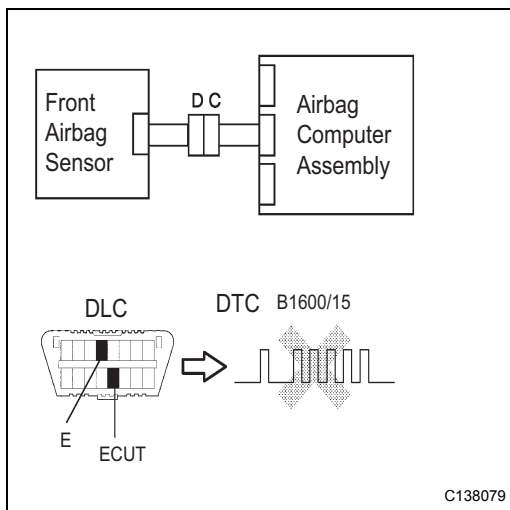
REPLACE FRONT AIRBAG SENSOR RH

RS

OK

6

INSPECT AIRBAG COMPUTER ASSEMBLY



- (a) Release the short circuit between terminals CS+ and CS- of connector E.
 (b) Connect the connectors to the airbag computer assembly and front airbag sensor RH.
 (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
 (d) Using the DS-II, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 15 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1600 is not output.

NG

REPLACE FRONT AIRBAG SENSOR RH

OK

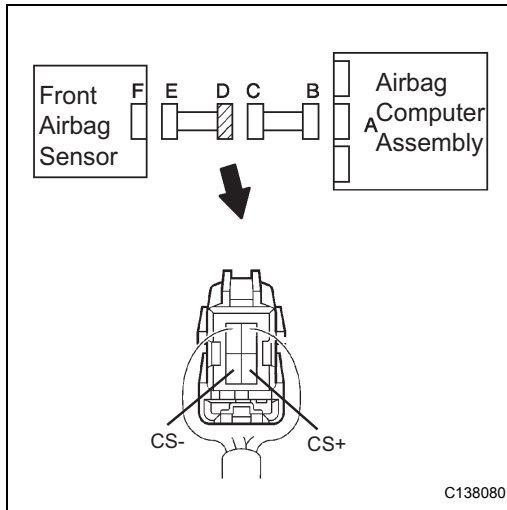
PERFORM REPRODUCTION METHOD

7

CHECK ENGINE ROOM MAIN WIRE (+B SHORT CIRCUIT) (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)

(For inspection procedures and precautions, see page IN-38.)

RS



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Disconnect connectors C and D.
- Connect the negative battery terminal, and turn the ignition switch on (IG).
- Using a tester, check the voltage between terminals CS+ and CS- of connector D and the body ground.

Standard:

1 V or less

NG

REPAIR OR REPLACE ENGINE ROOM MAIN WIRE (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)

OK

REPAIR OR REPLACE INSTRUMENT PANEL WIRE (AIRBAG COMPUTER ASSEMBLY AND JOINT CONNECTOR)

8

CHECK ENGINE ROOM MAIN WIRE (GROUND SHORT CIRCUIT) (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)

(For inspection procedures and precautions, see page IN-38.)

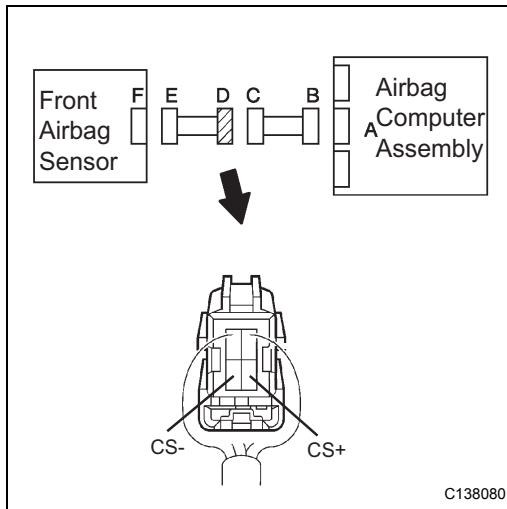
- Disconnect connectors C and D.
- Using a tester, measure the resistance between terminals CS+ and CS- of connector D, and the body ground.

Standard:

1 MΩ or higher

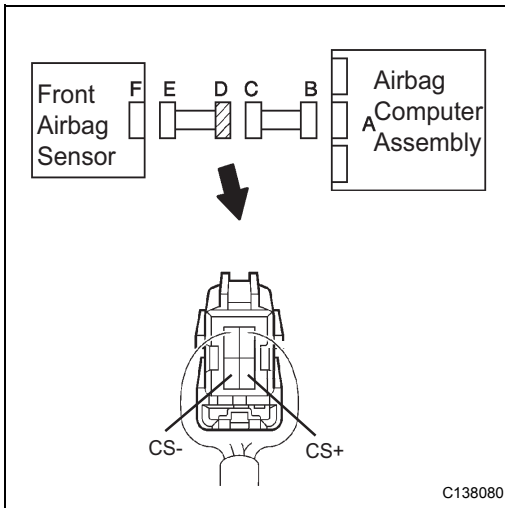
NG

REPAIR OR REPLACE ENGINE ROOM MAIN WIRE (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)



OK

REPAIR OR REPLACE INSTRUMENT PANEL WIRE (AIRBAG COMPUTER ASSEMBLY AND JOINT CONNECTOR)

9**CHECK ENGINE ROOM MAIN WIRE (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)**

(For inspection procedures and precautions, see page IN-38.)

- (a) Disconnect connectors C and D.
- (b) Using a tester, measure the resistance between terminals CS+ and CS- of connector D.

Standard:1 M Ω or higher**NG**

REPAIR OR REPLACE ENGINE ROOM MAIN WIRE (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)

RS**OK****REPAIR OR REPLACE INSTRUMENT PANEL WIRE (AIRBAG COMPUTER ASSEMBLY AND JOINT CONNECTOR)****10****CHECK ENGINE ROOM MAIN WIRE (OPEN CIRCUIT) (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)****SST 09843-18020**

(For inspection procedures and precautions, see page IN-38.)

- (a) Disconnect connectors C and D.

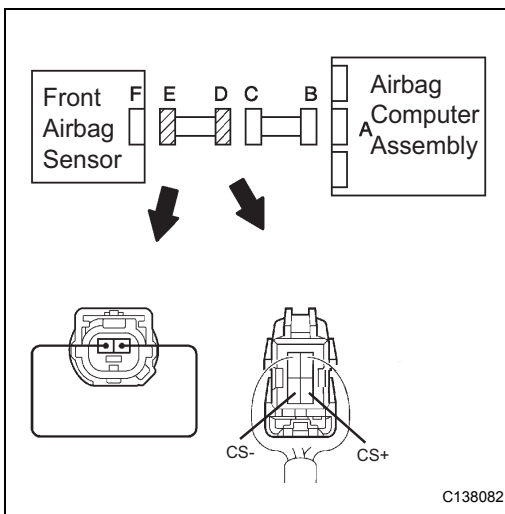
HINT:

Connector E is short circuited at this point.

- (b) Using a tester, touch terminals CS+ and CS- of connector D with the tester probe and measure the resistance between connector D and connector E.

Standard:1 Ω or less**NG**

REPAIR OR REPLACE ENGINE ROOM MAIN WIRE (BETWEEN JOINT CONNECTOR AND FRONT AIRBAG SENSOR RH)



A rectangular button with a downward-pointing arrow shape at the bottom, containing the text "OK".

OK

REPAIR OR REPLACE INSTRUMENT PANEL WIRE (AIRBAG COMPUTER ASSEMBLY
AND JOINT CONNECTOR)

RS

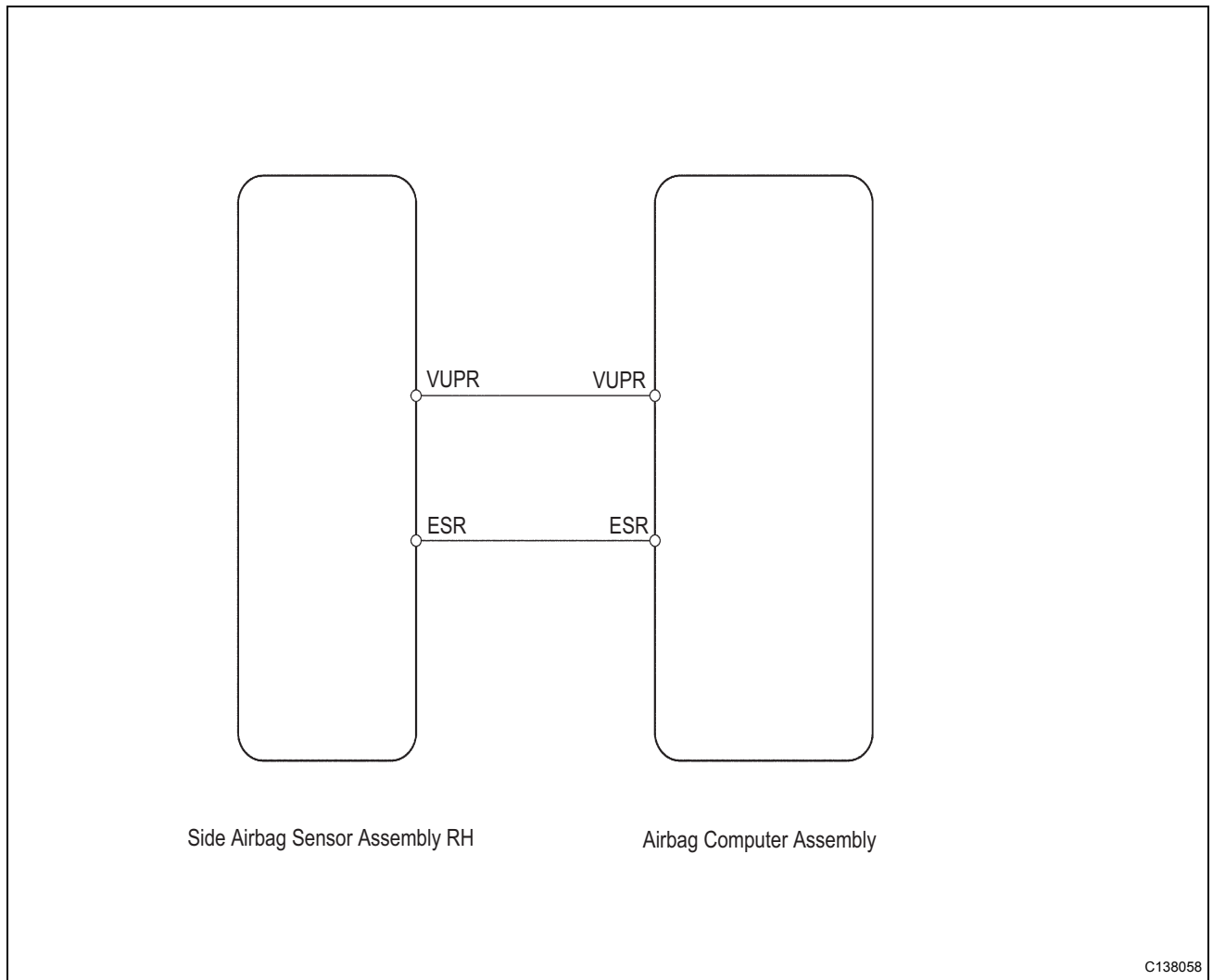
DTC**B1620/32****Right Side B Pillar Sensor Malfunction****DESCRIPTION**

The side airbag sensor assembly RH circuit consists of the airbag computer assembly and the side airbag sensor assembly RH. The side airbag sensor assembly RH detects impacts and sends the signal to determine airbag activation to the airbag computer assembly.

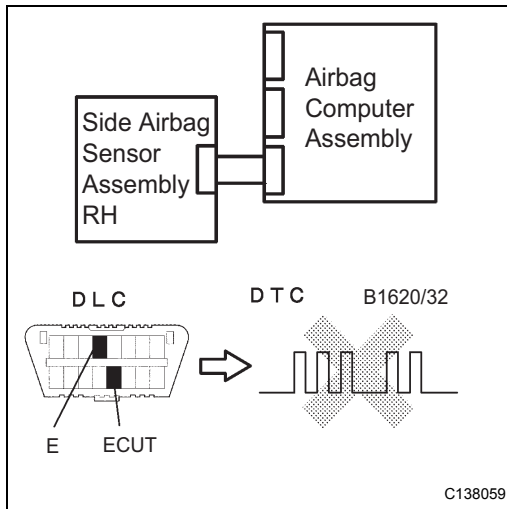
DTC B1620/32 is recorded if a malfunction is detected in the side airbag sensor assembly RH circuit.

RS

DTC No.	DTC Detection Item	Trouble Area
B1620/32	- Wire harness short circuit, +B short circuit, ground short or open circuit between airbag computer assembly and the side airbag sensor assembly RH - Side airbag sensor assembly RH malfunction - Airbag computer assembly malfunction	- Side airbag sensor assembly RH - Airbag computer assembly - Floor wire (between airbag computer assembly and side airbag sensor assembly RH)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

1**INSPECT CHECK SIDE AIRBAG SENSOR ASSEMBLY RH****RS**

- (a) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (b) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 32 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1620 is not output.

OK**PERFORM REPRODUCTION METHOD****NG****2****INSPECT AIRBAG COMPUTER ASSEMBLY CONNECTOR CONNECTION STATUS**

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Check the connection status of the connectors that are connected to the airbag computer assembly.

Standard:

Make sure the connector is correctly connected to the airbag computer assembly.

NG**RECONNECT CONNECTOR****OK****3****CHECK CONNECTION STATUS OF SIDE AIRBAG SENSOR CONNECTORS**

- (a) Check the connection status of the connectors that are connected to the side airbag sensor assembly RH.

Standard:

Make sure the connector is correctly connected to the side airbag sensor assembly RH.

NG

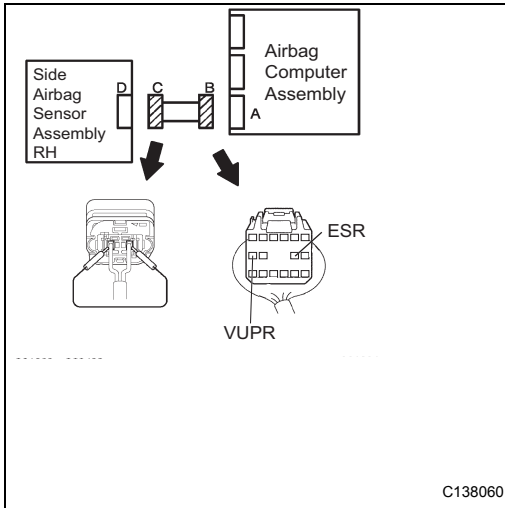
**REPAIR OR REPLACE FLOOR WIRE
(AIRBAG COMPUTER ASSEMBLY AND SIDE
AIRBAG SENSOR ASSEMBLY RH)**

OK

4**INSPECT SIDE AIRBAG SENSOR RH CIRCUIT (OPEN CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH)****SST 09843-18020**

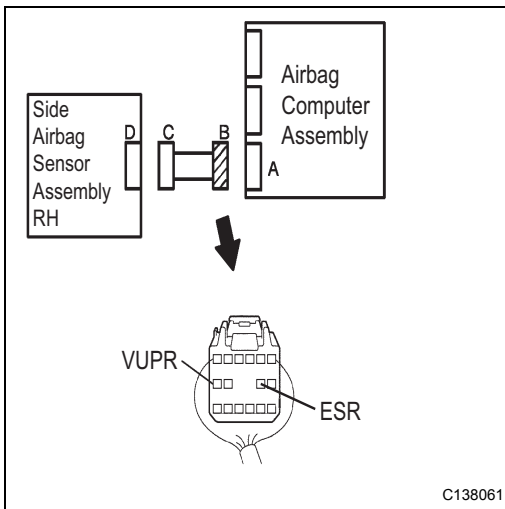
(For inspection procedures and precautions, see page IN-38.)

- Disconnect the connectors from the airbag computer assembly and the side airbag sensor assembly RH.
- Using the SST, short the circuit between terminals VUPR and ESR of connector C.
- Using a tester, touch terminals VUPR and ESR of connector B with the tester probe and measure the resistance between connector B and connector C.

Standard:1 Ω or less**NG**
**REPAIR OR REPLACE FLOOR WIRE
(AIRBAG COMPUTER ASSEMBLY AND SIDE
AIRBAG SENSOR ASSEMBLY RH)**
**OK****5****INSPECT SIDE AIRBAG SENSOR RH CIRCUIT (GROUND SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH)**

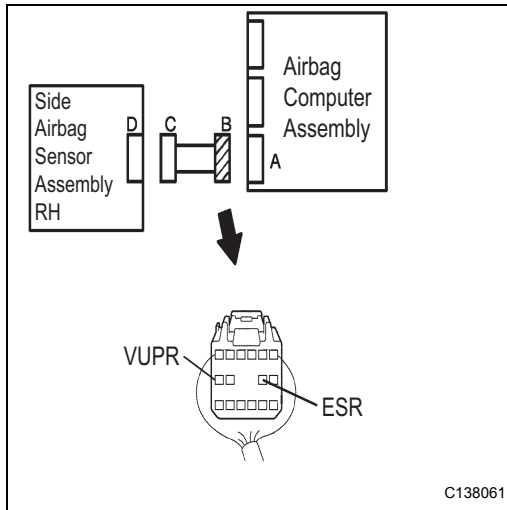
(For inspection procedures and precautions, see page IN-38.)

- Release the short circuit between terminals VUPR and ESR of connector C.
- Using a tester, measure the resistance between terminals VUPR and ESR of connector B and the body ground.

Standard:1 M Ω or higher**NG**
**REPAIR OR REPLACE FLOOR WIRE
(AIRBAG COMPUTER ASSEMBLY AND SIDE
AIRBAG SENSOR ASSEMBLY RH)**
**OK****6****INSPECT SIDE AIRBAG SENSOR RH CIRCUIT (SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH)**

(For inspection procedures and precautions, see page IN-38.)

RS



- (a) Using a tester, measure the resistance between terminals VUPR and ESR of connector B.

Standard:

1 MΩ or higher

NG

REPAIR OR REPLACE FLOOR WIRE (AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH)

OK

7

INSPECT SIDE AIRBAG SENSOR RH CIRCUIT (+B SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH)

(For inspection procedures and precautions, see page IN-38.)

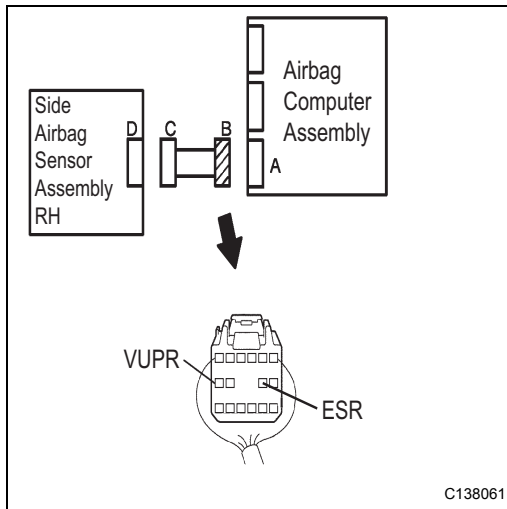
- (a) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (b) Using a tester, check the voltage between terminals VUPR and ESR of connector B, and the body ground.

Standard:

1 V or less

NG

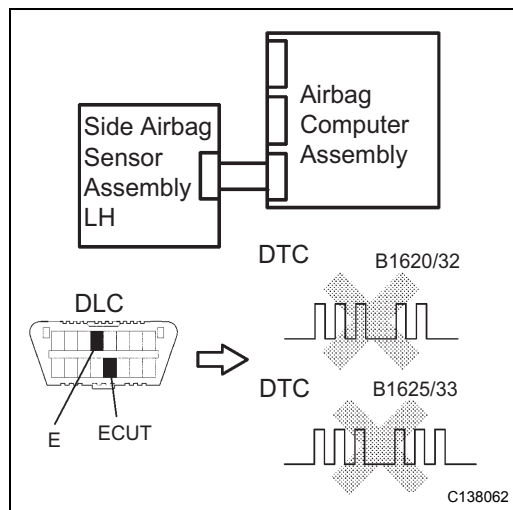
REPAIR OR REPLACE FLOOR WIRE (AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH)



OK

8

INSPECT CHECK SIDE AIRBAG SENSOR ASSEMBLY RH



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Switch the side airbag sensor assembly RH and LH, and securely install the connectors.

NOTICE:

- When installing the connectors, do not drop the airbag sensor assembly RH and LH or subject them to any other type of strong impact.
- Replace the sensor body with a new one if it is dropped or subject to any other type of strong impact.

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 32 is not output. (A)

DTC 33 is not output. (B)

- (2) When reading the code using the DS-II:

Standard:

DTC B1620 is not output. (A)

DTC 1625 is not output. (B)

NG (A)

REPLACE AIRBAG COMPUTER ASSEMBLY

NG (B)

REPLACE SIDE AIRBAG SENSOR ASSEMBLY RH

OK

PERFORM REPRODUCTION METHOD

RS

DTC	B1625/33	Left Side B Pillar Sensor Malfunction
-----	----------	---------------------------------------

DESCRIPTION

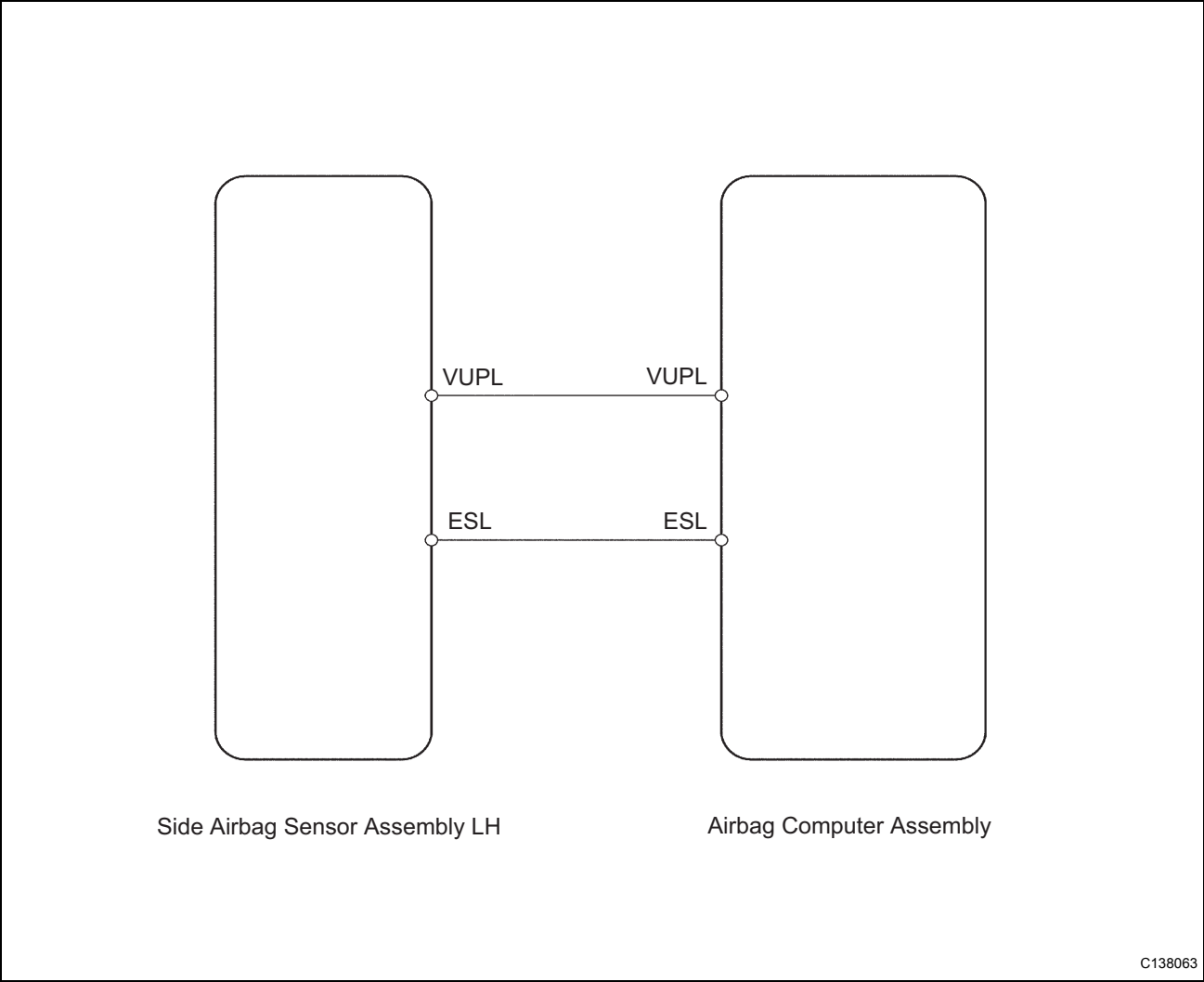
The side airbag sensor assembly LH circuit consists of the airbag computer assembly and the side airbag sensor assembly LH. The side airbag sensor assembly LH detects impacts and sends the signal to determine airbag activation to the airbag computer assembly.

RS

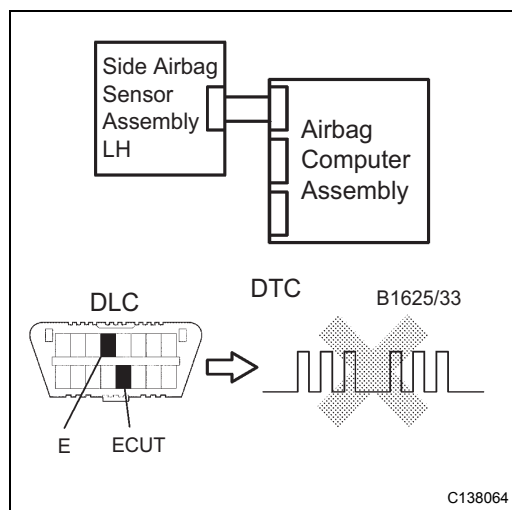
DTC B1625/33 is recorded if a malfunction is detected in the side airbag sensor assembly LH circuit.

DTC No.	DTC Detection Item	Trouble Area
B1625/33	- Wire harness short circuit, +B short circuit, ground short or open circuit between airbag computer assembly and the side airbag sensor assembly LH - Side airbag sensor assembly LH malfunction - Airbag computer assembly malfunction	- Side airbag sensor assembly LH - Airbag computer assembly - Floor wire No. 2 (between airbag computer assembly and side airbag sensor assembly LH)

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

1 CHECK SIDE AIRBAG SENSOR ASSEMBLY LH**SST 09843-18020**

- (a) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (b) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

RS

- (1) When reading the code using the warning lights:

Standard:

DTC 33 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1625 is not output.

OK**PERFORM REPRODUCTION METHOD****NG****2 INSPECT AIRBAG COMPUTER ASSEMBLY CONNECTOR CONNECTION STATUS**

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Check the connection status of the connectors that are connected to the airbag computer assembly.

Standard:

Make sure the connector is correctly connected to the airbag computer assembly.

NG**RECONNECT CONNECTOR****OK****3 CHECK CONNECTION STATUS OF SIDE AIRBAG SENSOR CONNECTORS**

- (a) Check the connection status of the connectors that are connected to the side airbag sensor assembly LH.

Standard:

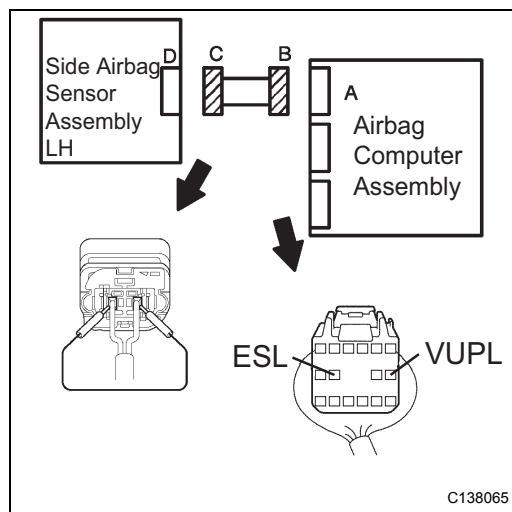
Make sure the connector is correctly connected to the side airbag sensor assembly LH.

NG**RECONNECT CONNECTOR****OK**

4**INSPECT SIDE AIRBAG SENSOR LH CIRCUIT (OPEN CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)****SST 09843-18020**

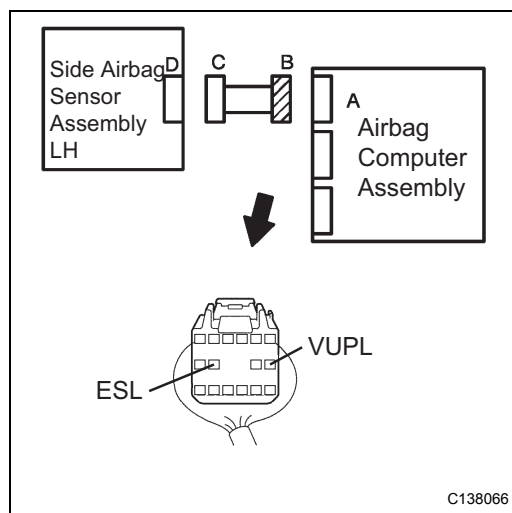
(For inspection procedures and precautions, see page IN-38.)

- (a) Disconnect the connectors from the airbag computer assembly and the side airbag sensor assembly LH.
- (b) Using the SST, short circuit between terminals VUPR and ESR of connector C.
- (c) Using a tester, touch terminals VUPL and ESL of connector B with the tester probe and measure the resistance between connector B and connector C.

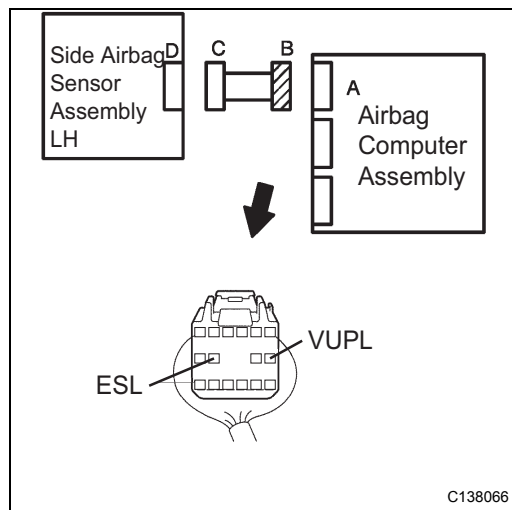
Standard:1 Ω or less**NG****REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)****RS****OK****5****INSPECT SIDE AIRBAG SENSOR LH CIRCUIT (GROUND SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)**

(For inspection procedures and precautions, see page IN-38.)

- (a) Release the short circuit between terminals VUPL and ESL of connector C.
- (b) Using a tester, measure the resistance between terminals VUPL and ESL of connector B and the body ground.

Standard:1 M Ω or higher**NG****REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)****OK****6****INSPECT SIDE AIRBAG SENSOR LH CIRCUIT (SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)**

(For inspection procedures and precautions, see page IN-38.)



- (a) Using a tester, measure the resistance between terminals VUPL and ESL of connector B.

Standard:

1 M Ω or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)

RS

OK

7 INSPECT SIDE AIRBAG SENSOR LH CIRCUIT (+B SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)

(For inspection procedures and precautions, see page IN-38.)

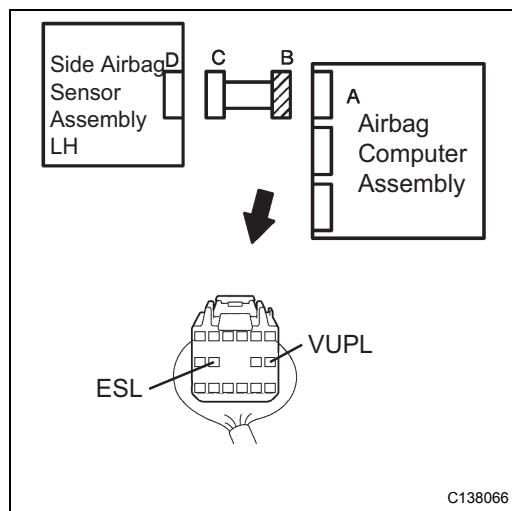
- (a) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (b) Using a tester, check the voltage between terminals VUPL and ESL of connector B, and the body ground.

Standard:

1 V or less

NG

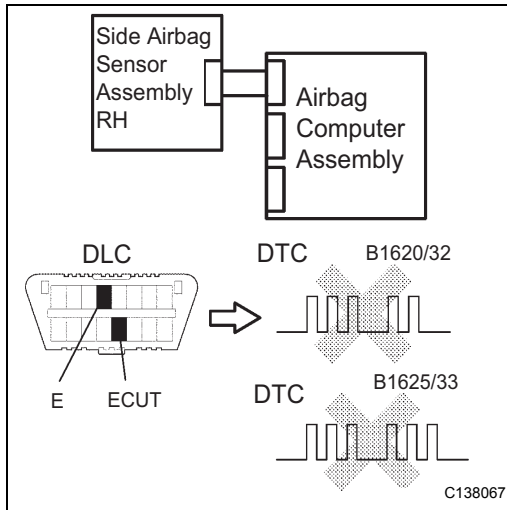
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH)



OK

8 INSPECT CHECK SIDE AIRBAG SENSOR ASSEMBLY RH

RS



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Switch the side airbag sensor assembly LH and RH, and securely install the connectors.

NOTICE:

- When installing the connectors, do not drop the airbag sensor assembly LH and RH or subject them to any other type of impact.
- Replace the sensor body with a new one if it is dropped or subject to any other type of strong impact.

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
- (1) When reading the code using the warning lights:

Standard:

DTC 32 is not output. (A)

DTC 33 is not output. (B)

- (2) When reading the code using the DS-II:

Standard:

DTC B1620 is not output. (A)

DTC 1625 is not output. (B)

NG (A)

REPLACE SIDE AIRBAG SENSOR ASSEMBLY LH

NG (B)

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

DTC**B1630/23****Right Side C Pillar Sensor Malfunction****DESCRIPTION**

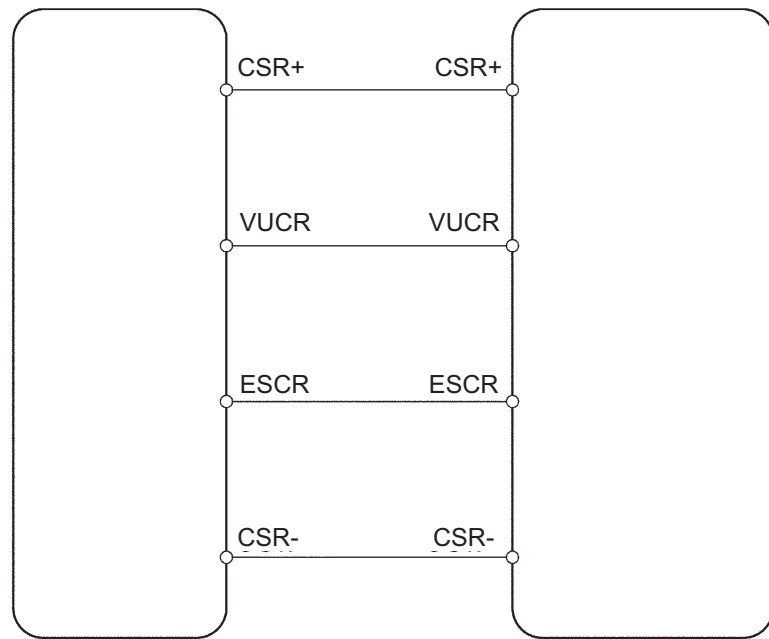
The side airbag sensor assembly RH No. 2 circuit consists of the airbag computer assembly and the side airbag sensor assembly RH No. 2.

The side airbag sensor assembly RH No. 2 detects impacts and sends the signal to determine airbag activation to the airbag computer assembly.

DTC B1630/23 is recorded if a malfunction is detected in the side airbag sensor assembly RH No. 2 circuit.

RS

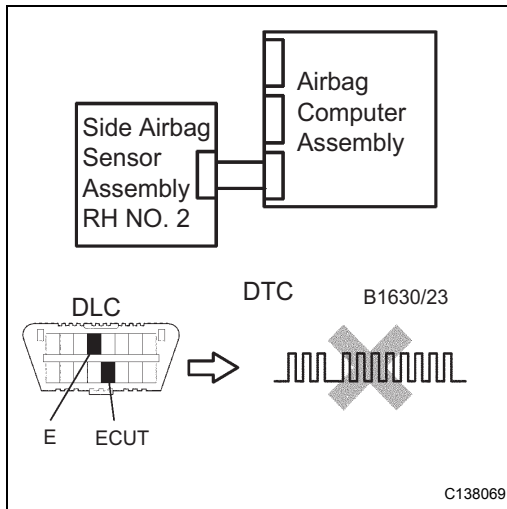
DTC No.	DTC Detection Item	Trouble Area
B1630/23	- Wire harness short circuit, +B short circuit, ground short or open circuit between airbag computer assembly and side airbag sensor assembly RH No. 2 - Side airbag sensor assembly RH No. 2 malfunction - Airbag computer assembly malfunction	- Side airbag sensor assembly RH No. 2 - Airbag computer assembly - Floor wire No. 2 (between airbag computer assembly and side airbag sensor assembly RH No. 2)

CIRCUIT DIAGRAM

Side Airbag Sensor Assembly RH NO. 2

Airbag Computer Assembly

INSPECTION PROCEDURE

1 INSPECT SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2**RS**

- (a) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (b) Using the DS-II, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 23 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1630 is not output.

OK**PERFORM REPRODUCTION METHOD****NG****2 INSPECT AIRBAG COMPUTER ASSEMBLY CONNECTOR CONNECTION STATUS**

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Check the connection status of the connectors that are connected to the airbag computer assembly.

Standard:

Make sure the connector is correctly connected to the airbag computer assembly.

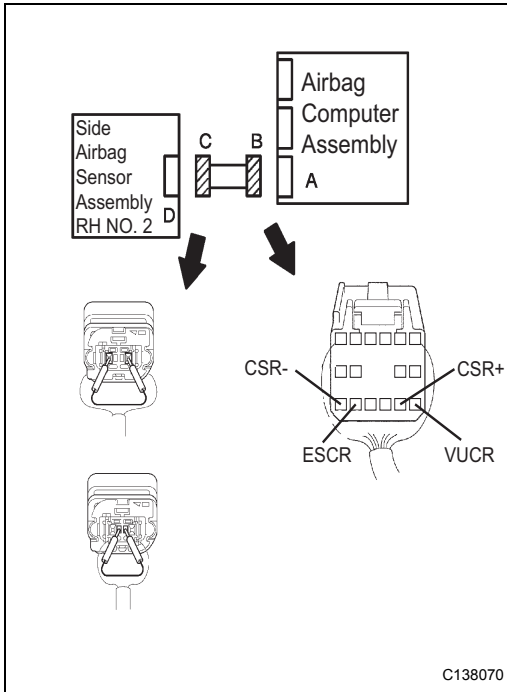
NG**RECONNECT CONNECTOR****OK****3 CHECK CONNECTION STATUS OF SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2**

- (a) Check the connection status of the connectors that are connected to the side airbag sensor assembly RH No. 2.

Standard:

Make sure the connector is correctly connected to the side airbag sensor assembly RH No. 2.

NG**RECONNECT CONNECTOR****OK****4 INSPECT SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2 CIRCUIT (OPEN CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH NO.2)**



OK

(For inspection procedures and precautions, see page IN-38.)

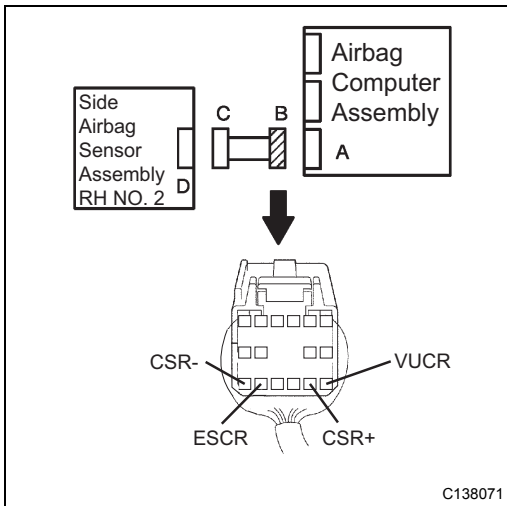
- (a) Disconnect the connectors from the airbag computer assembly and the side airbag sensor assembly RH No. 2.
- (b) Using the SST, short circuit between terminals VUCR and ESCR of connector C, and CSR+ and CSR- terminals.
- (c) Using a tester, touch terminals VUCR and ESCR of connector B or CSR+ and CSR- terminals with the tester probe and measure the resistance between connector B and connector C.

Standard:1 Ω or less

NG

**REPAIR OR REPLACE FLOOR WIRE NO. 2
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND SIDE AIRBAG SENSOR
ASSEMBLY RH NO. 2)**

5 INSPECT SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2 CIRCUIT (GROUND SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2)



OK

(For inspection procedures and precautions, see page IN-38.)

- (a) Release the short circuit between terminals VUCR and ESCR of connector C and CSR+ and CSR- terminals.
- (b) Using a tester, measure the resistance between the body ground and the VUCR, ESCR, CSR+ and CSR- terminals of connector B.

Standard:1 M Ω or higher

NG

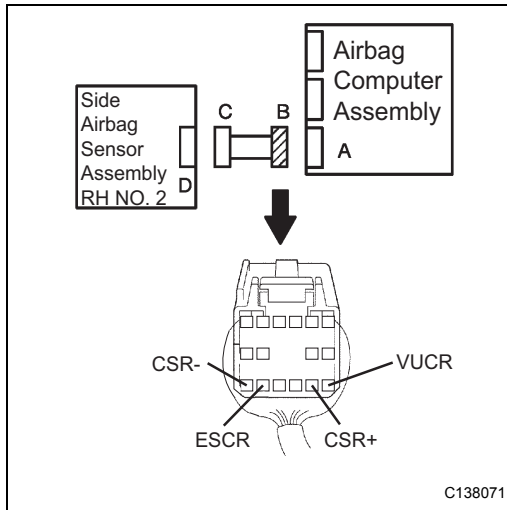
**REPAIR OR REPLACE FLOOR WIRE NO. 2
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND SIDE AIRBAG SENSOR
ASSEMBLY RH NO. 2)**

6

INSPECT SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2 CIRCUIT (SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2)

(For inspection procedures and precautions, see page IN-38.)

RS



C138071

- (a) Using a tester, measure the resistance between terminals VUCR and ESCR of connector B, and between terminals CSR+ and CSR-.

Standard:1 M Ω or higher**NG**

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2)

OK**7**

INSPECT SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2 CIRCUIT (+B SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2)

(For inspection procedures and precautions, see page IN-38.)

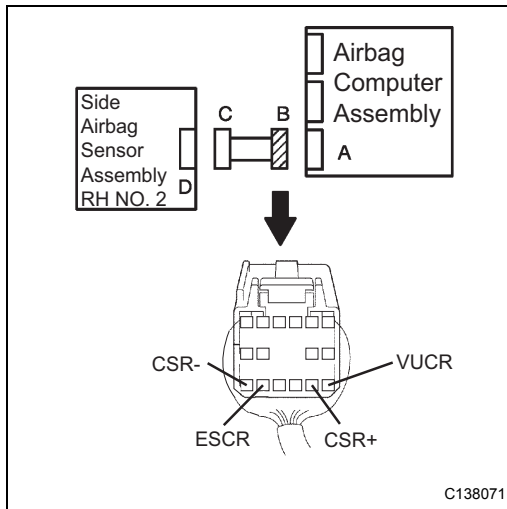
- (a) Connect the negative battery terminal, and turn the ignition switch on (IG).
 (b) Using a tester, measure the voltage between the body ground and the VUCR, ESCR, CSR+ and CSR- terminals of connector B.

Standard:

1 V or less

NG

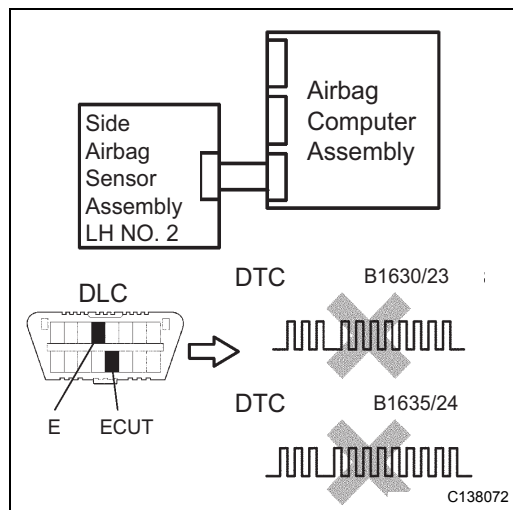
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2)



C138071

OK**8**

INSPECT SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Switch the side airbag sensor assembly RH No. 2 and the airbag sensor rear left, and securely install the connectors.

NOTICE:

- When installing the connectors, do not drop the side airbag sensor assembly RH No. 2 or the airbag sensor rear left, and do not subject them to any other type of strong impact.
- Replace the sensor body with a new one if it is dropped or subject to any other type of strong impact.

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 23 is not output. (A)

DTC 24 is not output. (B)

- (2) When reading the code using the DS-II:

Standard:

DTC B1630 is not output. (A)

DTC B1635 is not output. (B)

NG (A)

REPLACE AIRBAG COMPUTER ASSEMBLY

NG (B)

REPLACE SIDE AIRBAG SENSOR ASSEMBLY RH NO. 2

OK

PERFORM REPRODUCTION METHOD

RS

DTC	B1635/24	Left Side C Pillar Sensor Malfunction
-----	----------	---------------------------------------

DESCRIPTION

The side airbag sensor assembly LH No. 2 circuit consists of the airbag computer assembly and side airbag sensor assembly LH No. 2.

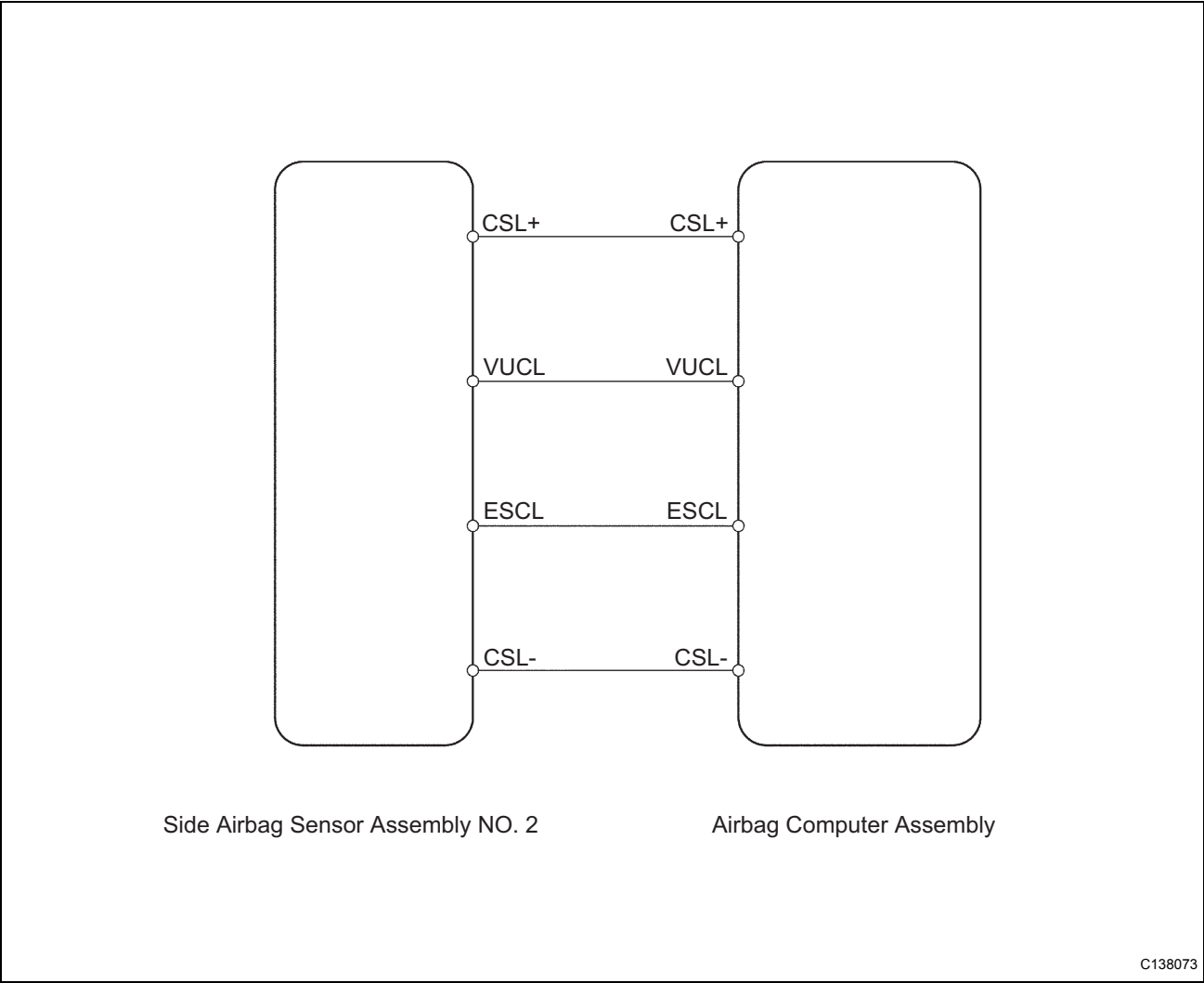
The side airbag sensor assembly LH No. 2 detects impacts and sends the signal to determine airbag activation to the airbag computer assembly.

DTC B1635/24 is recorded if a malfunction is detected in the side airbag sensor assembly LH No. 2 circuit.

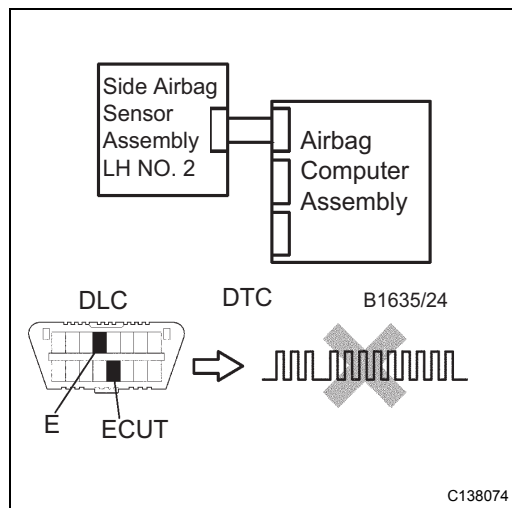
RS

DTC No.	DTC Detection Item	Trouble Area
B1635/24	- Wire harness short circuit, +B short circuit, ground short or open circuit between airbag computer assembly and side airbag sensor assembly LH No. 2 - Side airbag sensor assembly LH No. 2 malfunction - Airbag computer assembly malfunction	- Side airbag sensor assembly LH No. 2 - Airbag computer assembly - Floor wire No. 2 (between airbag computer assembly and side airbag sensor assembly LH No. 2)

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

1 INSPECT SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2**SST 09843-18020**

- (a) Turn the ignition switch on (IG) and wait 60 seconds.
 (b) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

RS

- (1) When reading the code using the warning lights:

Standard:

DTC 24 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1635 is not output.

OK**PERFORM REPRODUCTION METHOD****NG****2 INSPECT AIRBAG COMPUTER ASSEMBLY CONNECTOR CONNECTION STATUS**

- (a) Turn the ignition switch off (LOCK).
 (b) Disconnect the negative battery terminal, and wait for 90 seconds.
 (c) Check the connection status of the connectors that are connected to the airbag computer assembly.

Standard:

Make sure the connector is correctly connected to the airbag computer assembly.

NG**RECONNECT CONNECTOR****OK****3 CHECK CONNECTION STATUS OF SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2**

- (a) Check the connection status of the connectors that are connected to the side airbag sensor assembly LH No. 2.

Standard:

Make sure the connector is correctly connected to the side airbag sensor assembly LH No. 2.

NG**RECONNECT CONNECTOR****OK**

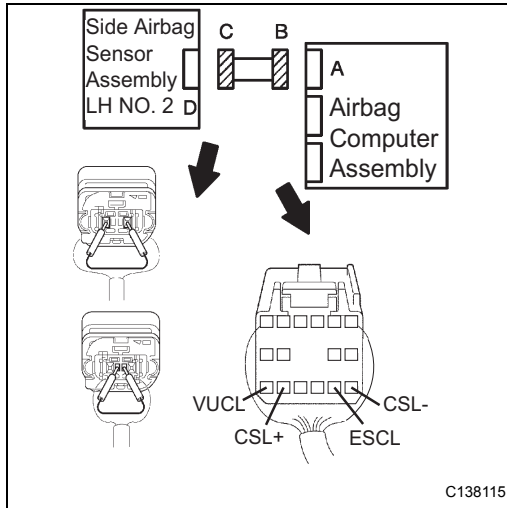
4**INSPECT SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2 CIRCUIT (OPEN CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)****SST 09843-18020**

(For inspection procedures and precautions, see page IN-38.)

- (a) Disconnect the connectors from the airbag computer assembly and the side airbag sensor assembly LH No. 2.
- (b) Using the SST, short the circuit between terminals VUCL and ESCL of connector C and terminals CSL+ and CSL-.
- (c) Using a tester, touch terminals VUCL and ESCL of connector B or CSL+ and CSL- terminals with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less

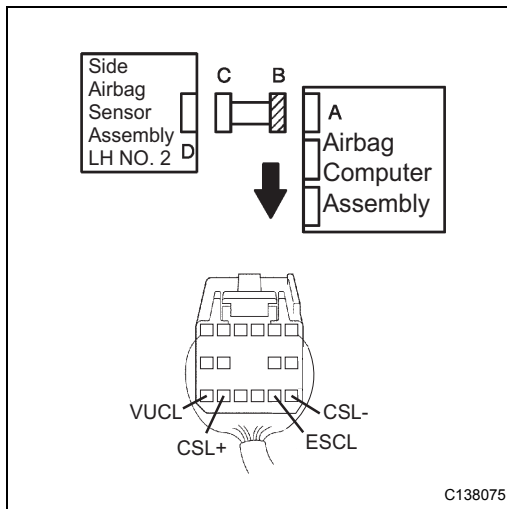
NG**REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)****OK****5****INSPECT SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2 CIRCUIT (GROUND SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)**

(For inspection procedures and precautions, see page IN-38.)

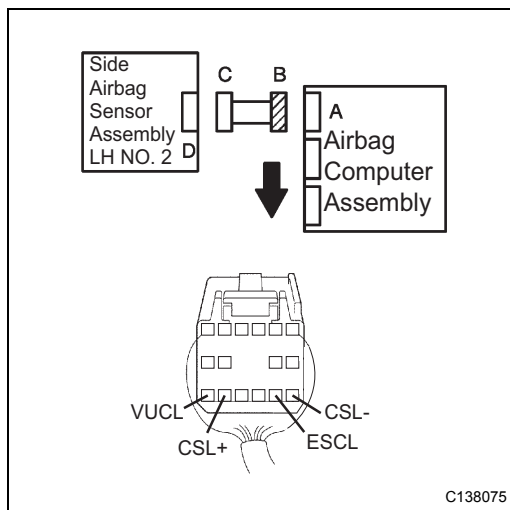
- (a) Release the short circuit between terminals VUCL and ESCL of connector C, and terminals CSL+ and CSL-.
- (b) Using a tester, measure the resistance between terminals VUCL, ESCL of connector B and the CSL+ and CSL- terminals, and the body ground.

Standard:

1 MΩ or higher

NG**REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)****OK****6****INSPECT SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2 CIRCUIT (SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)**

(For inspection procedures and precautions, see page IN-38.)



- (a) Using a tester, measure the resistance between terminals VUCL, ESCL of connector B and between terminals CSL+ and CSL-.

Standard:

1 M Ω or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)

RS

OK

7 INSPECT SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2 CIRCUIT (+B SHORT CIRCUIT) (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)

(For inspection procedures and precautions, see page IN-38.)

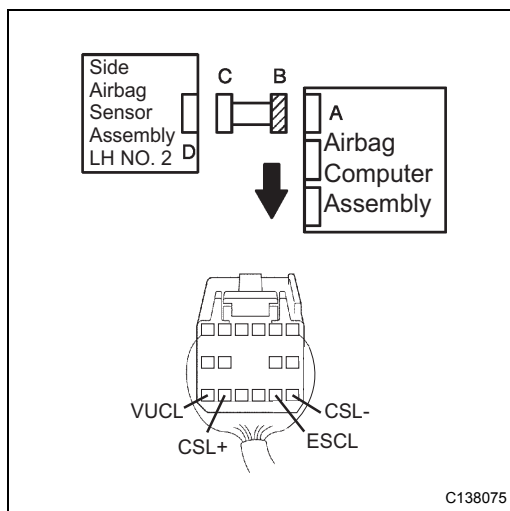
- (a) Connect the negative battery terminal, and turn the ignition switch on (IG).
 (b) Using a tester, measure the voltage between the body ground and the VUCL, ESCL, CSL+ and CSL- terminals of connector B.

Standard:

1 V or less

NG

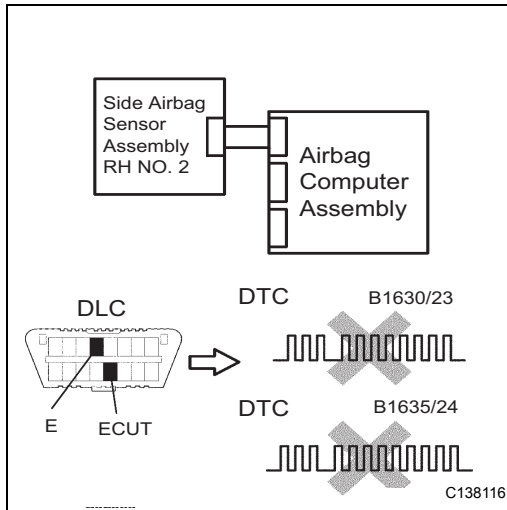
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2)



OK

8 INSPECT SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2

RS



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Switch the side airbag sensor assembly LH No. 2 and the side airbag sensor assembly LRH No.2, and securely install the connectors.

NOTICE:

- When installing the connectors, do not drop the airbag sensor assembly RH No. 2 or LH . And do not subject them to any other type of strong impact.
- Replace the sensor body with a new one if it is dropped or subject to any other type of strong impact.

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 23 is not output. (A)

DTC 24 is not output. (B)

- (2) When reading the code using the DS-II:

Standard:

DTC B1630 is not output. (A)

DTC B1635 is not output. (B)

NG (A)

REPLACE SIDE AIRBAG SENSOR ASSEMBLY LH NO. 2

NG (B)

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

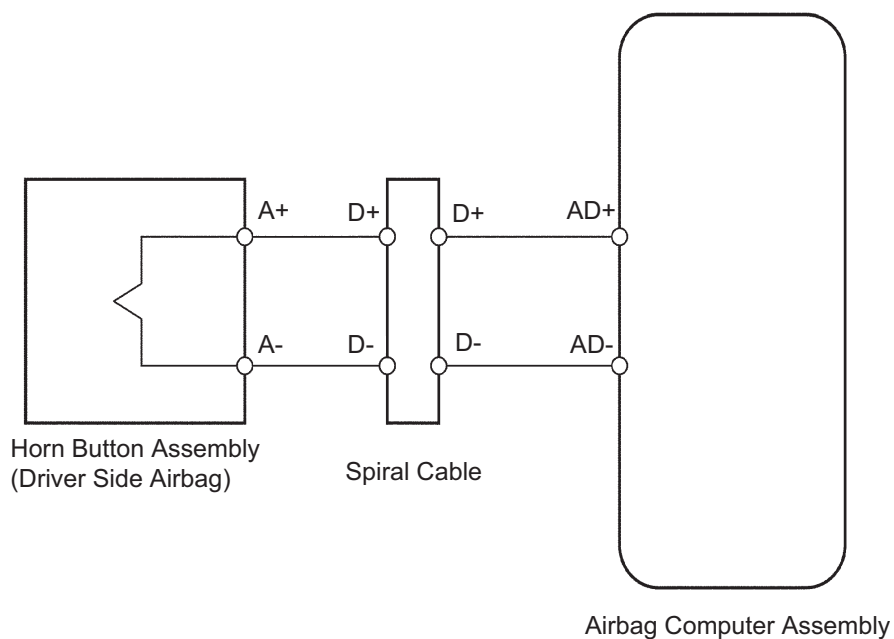
DTC**B1800/13****Short Circuit between Driver Seat Front Collision Igniter Lines****DESCRIPTION**

The driver seat airbag igniter circuit consists of the airbag computer assembly, the spiral cable and the horn button assembly. The airbag will be activated when the activation conditions are met.

When a short is detected in the driver seat airbag igniter circuit (AD+, AD- line), DTC B1800/13 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1800/13	- Wire harness AD+, AD- line short circuit between airbag computer assembly and horn button assembly (driver seat side airbag) - Horn button assembly (driver seat side airbag) malfunction - Spiral cable malfunction - Airbag computer assembly malfunction	- Horn button assembly - Spiral cable - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and spiral cable)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

CHECK AIRBAG CONNECTORS

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the negative battery terminal.

- (b) Disconnect the connectors from the horn button assembly.
 (c) Check that there is no damage to the horn button assembly (driver seat side airbag) connectors.

Standard:

The locking button of the connector has not moved out of position.

The claws of the locking button have no deformation or other damage.

NG

REPLACE SPIRAL CABLE

OK
2

INSPECT DRIVER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND HORN BUTTON ASSEMBLY)

HINT:

For inspection procedures and precautions, see page IN-38.

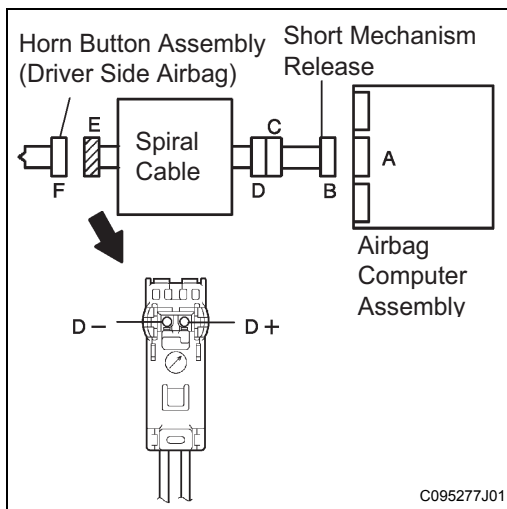
- (a) Disconnect the connectors from the airbag computer assembly.
 (b) Release the short circuiting mechanism of connector B (AD+, AD-).
 (c) Using a tester, touch terminals D+ and D- of connector E with the tester probe and measure the resistance between connector B and connector E.

Standard:

1 MΩ or higher

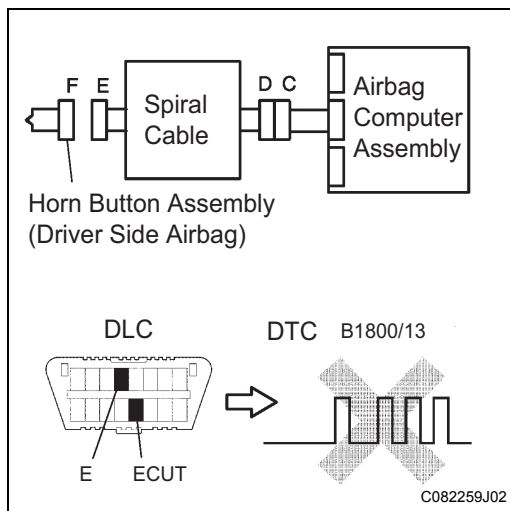
NG

Go to step 5


OK

3

INSPECT AIRBAG COMPUTER ASSEMBLY



OK

SST 09843-18020

- Connect the connectors to the airbag computer assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 13 is not output.

- When reading the code using the DS-II:

Standard:

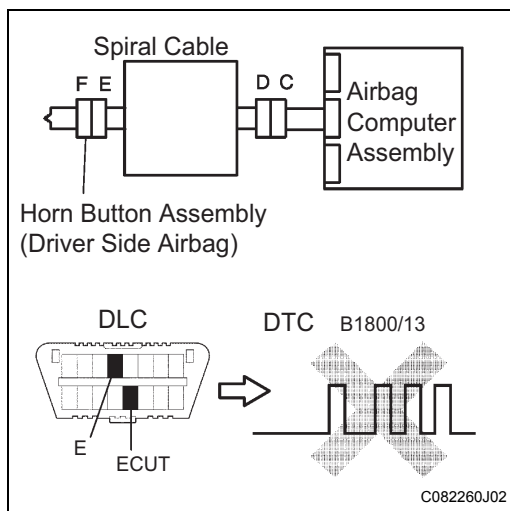
DTC B1800 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

4

INSPECT DRIVER SEAT IGNITER (HORN BUTTON ASSEMBLY)



OK

SST 09843-18020

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the horn button assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 13 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1800 is not output.

NG

REPLACE HORN BUTTON ASSEMBLY

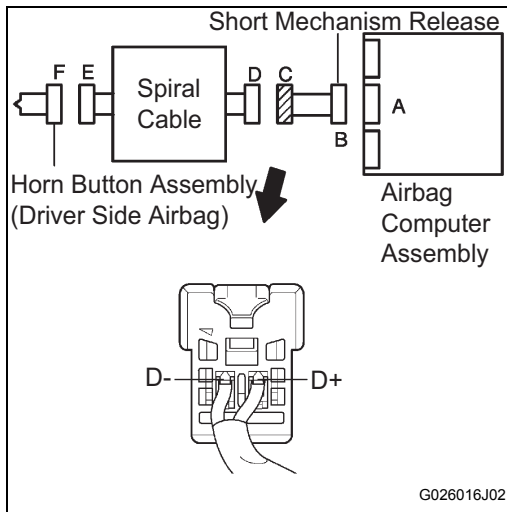
PERFORM REPRODUCTION METHOD

5

INSPECT INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)

HINT:

For inspection procedures and precautions, see page IN-38.



- (a) Disconnect connectors C and D.

HINT:

At this point, the short circuiting mechanism of connector B is in released.

- (b) Using a tester, touch terminals D+ and D- of connector C with the tester rod and measure the resistance between connector B and connector C.

Standard:

1 MΩ or higher

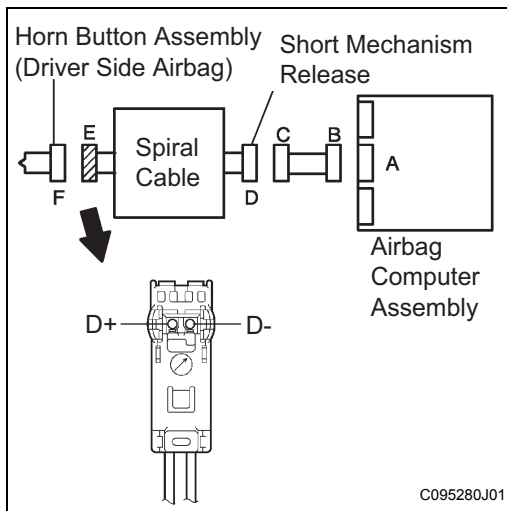
NG

REPAIR OR REPLACE INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)

OK

6

INSPECT SPIRAL CABLE



- (a) Release the short circuiting mechanism of connector D (D+, D-).

- (b) Using a tester, touch terminals D+ and D- of connector E with the tester probe and measure the resistance between the spiral cables.

Standard:

1 MΩ or higher

NG

REPLACE SPIRAL CABLE

OK

PERFORM REPRODUCTION METHOD

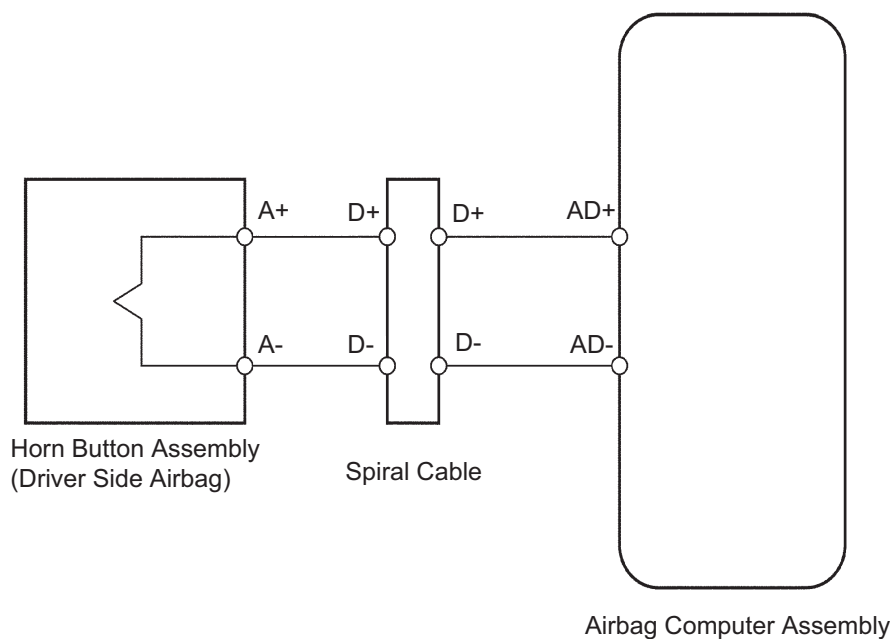
DTC**B1801/14****Open Circuit in Driver Seat Front Collision Igniter Circuit****DESCRIPTION**

The driver seat airbag igniter circuit consists of the airbag computer assembly, the spiral cable and the horn button assembly. The airbag will be activated when the activation conditions are met.

When an open circuit is detected in the driver seat airbag ignition circuit (AD+, AD- line), DTC B1801/14 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1801/14	- Open circuit of the AD+ and AD- lines of the wire harness between the airbag computer assembly and the horn button assembly (driver seat side airbag) - Horn button assembly (driver seat side airbag) malfunction - Spiral cable malfunction - Airbag computer assembly malfunction	- Horn button assembly - Spiral cable - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and spiral cable)

CIRCUIT DIAGRAM

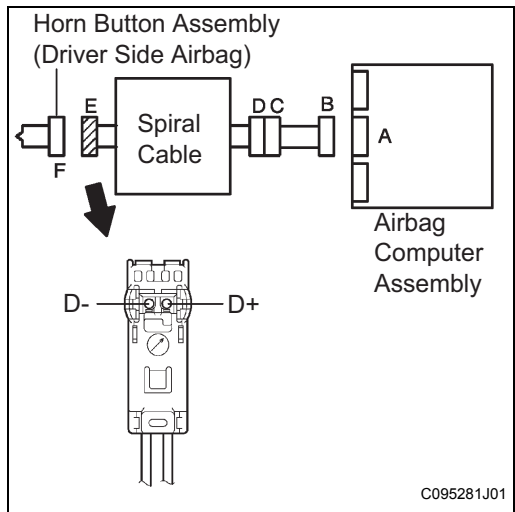
INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1	INSPECT DRIVER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND HORN BUTTON ASSEMBLY)
---	--



OK

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.
- HINT:
- Check that the ignition switch is turned off (LOCK) before disconnecting the negative battery terminal.
- (b) Disconnect the connectors from the airbag computer assembly and the horn button assembly.
- (c) Using a tester, touch terminals D+ and D- of connector E with the tester probe and measure the resistance between connector B and connector E.

Standard:

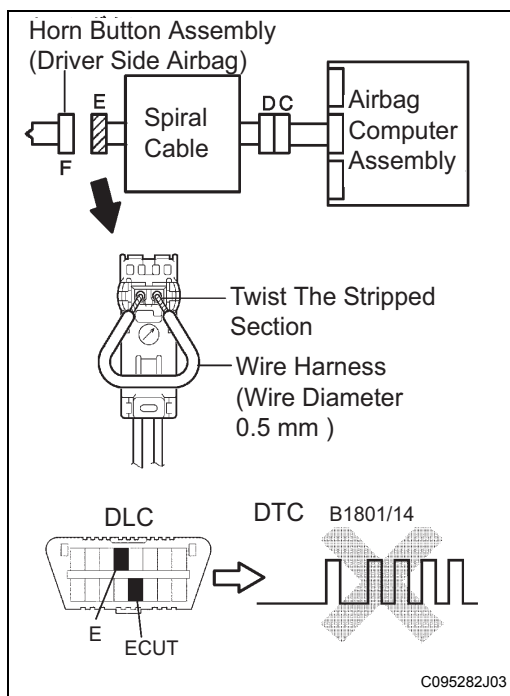
1Ω or less

NG

Go to step 4

2

INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals D+ and D- of connector E.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
 - When reading the code using the warning lights:

Standard:

DTC 14 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1801 is not output.

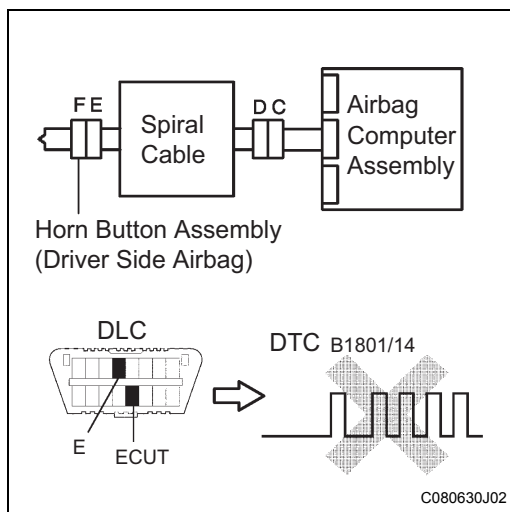
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT DRIVER SEAT IGNITER (HORN BUTTON ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between terminals D+ and D- of connector E and connect the connector to the horn button assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 14 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1801 is not output.

NG

REPLACE HORN BUTTON ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

4**INSPECT INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)**

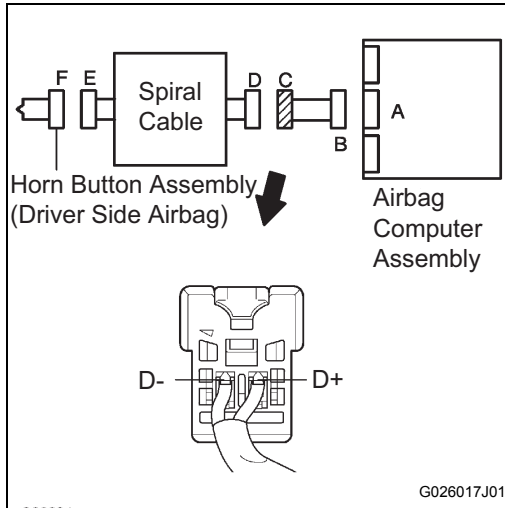
HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect connectors C and D.
- (b) Using a tester, touch terminals D+ and D- of connector C with the tester rod and measure the resistance between connector B and connector C.

Standard:

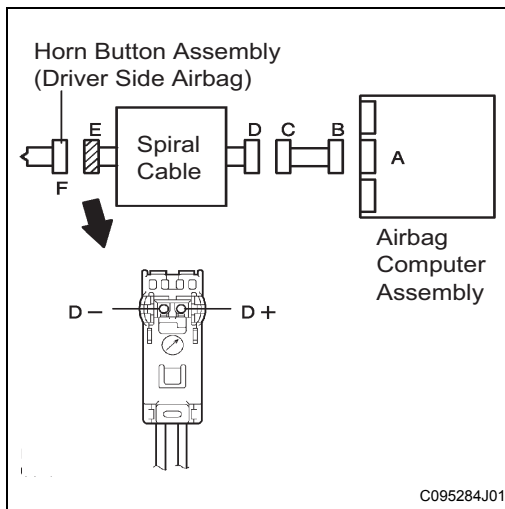
1Ω or less

NG**REPAIR OR REPLACE INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)****RS****OK****5****INSPECT SPIRAL CABLE**

- (a) Using a tester, touch terminals D+ and D- of connector E with the tester probe and measure the resistance between the spiral cables.

Standard:

1Ω or less

NG**REPLACE SPIRAL CABLE****OK****PERFORM REPRODUCTION METHOD**

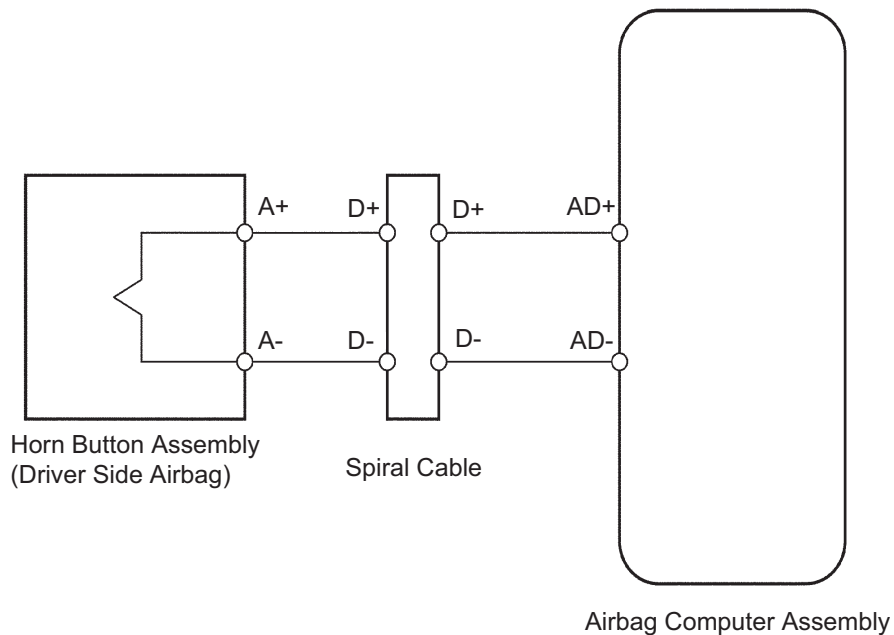
DTC**B1802/11****Ground Short Circuit in Driver Seat Front Collision Igniter Circuit****DESCRIPTION**

The driver seat airbag igniter circuit consists of the airbag computer assembly, the spiral cable and the horn button assembly. The airbag will be activated when the activation conditions are met.

When a ground short is detected in the driver seat airbag ignition circuit (AD+, AD- line), DTC B1802/11 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1802/11	- Wire harness AD+, AD- line ground short circuit between airbag computer assembly and horn button assembly (driver seat side airbag) - Horn button assembly (driver seat side airbag) malfunction - Spiral cable malfunction - Airbag computer assembly malfunction	- Horn button assembly - Spiral cable - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and spiral cable)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

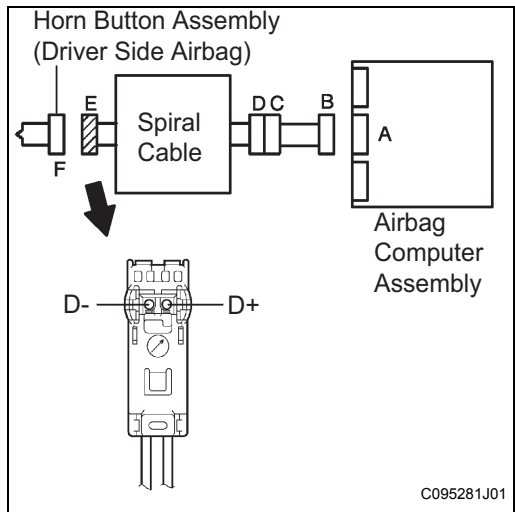
HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1

INSPECT DRIVER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND HORN BUTTON ASSEMBLY)



OK

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.
- HINT:
Check that the ignition switch is turned off (LOCK) before disconnecting the negative battery terminal.
- (b) Disconnect the connectors from the airbag computer assembly and the horn button assembly.
- (c) Using a tester, measure the resistance between terminals D+ and D- of connector E, and the body ground.

Standard:

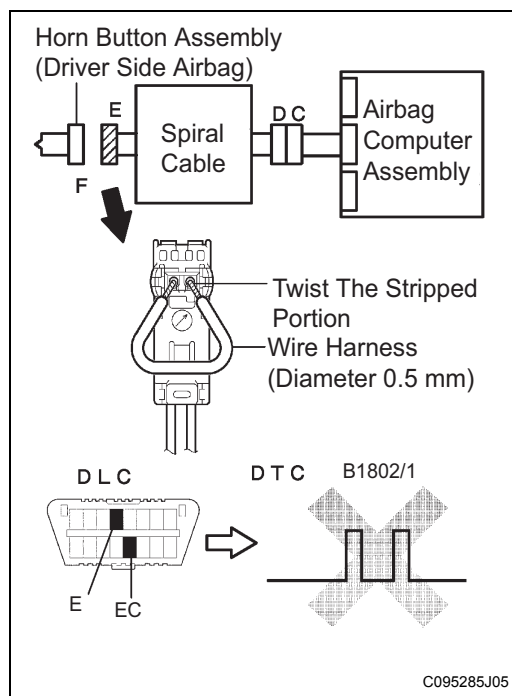
1 M Ω or higher

NG

Go to step 4

2

INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals D+ and D- of connector E.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 11 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1802 is not output.

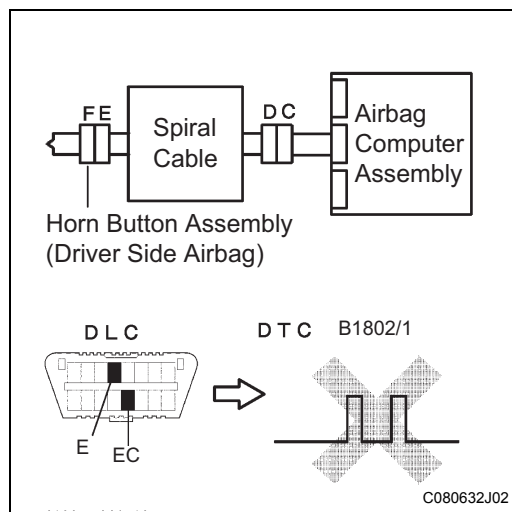
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT DRIVER SEAT IGNITER (HORN BUTTON ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between terminals D+ and D- of connector E and connect the connector to the horn button assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 11 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1802 is not output.

NG

REPLACE HORN BUTTON ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

4**INSPECT INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)**

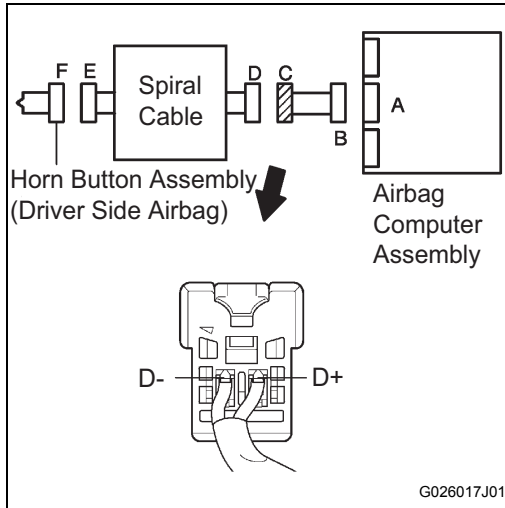
HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect connectors C and D.
- (b) Using a tester, measure the resistance between terminals D+ and D- of connector C, and the body ground.

Standard:

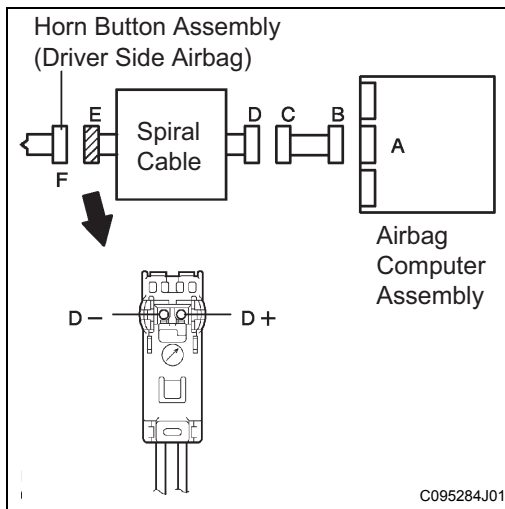
1 MΩ or higher

NG**REPLACE SPIRAL CABLE****RS****OK****5****INSPECT SPIRAL CABLE**

- (a) Using a tester, measure the resistance between terminals D+ and D- of connector E, and the body ground.

Standard:

1 MΩ or higher

NG**REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)****OK****PERFORM REPRODUCTION METHOD**

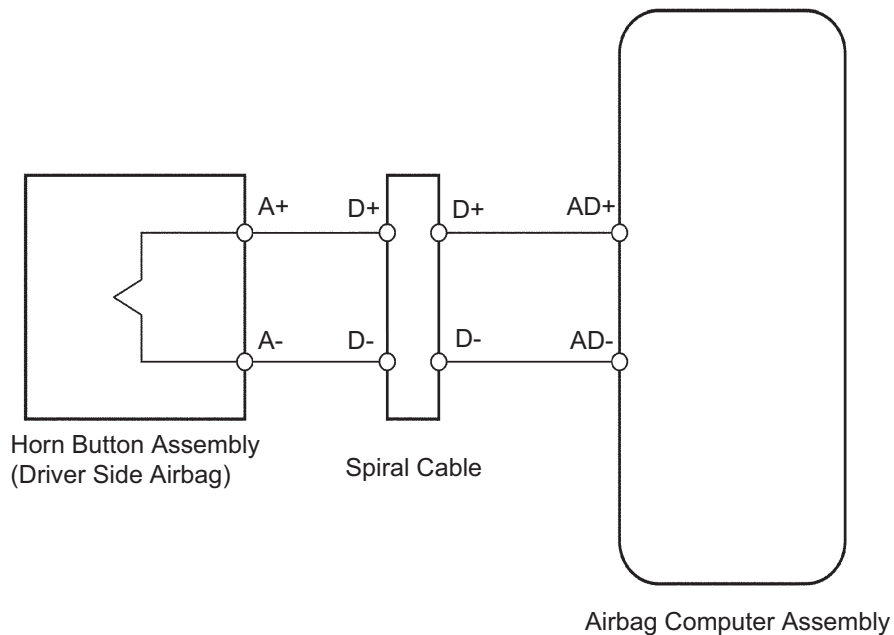
DTC**B1803/12****Power Supply Short Circuit in Driver Seat Front Collision Igniter Circuit****DESCRIPTION**

The driver seat airbag igniter circuit consists of the airbag computer assembly, the spiral cable and the horn button assembly. The airbag will be activated when the activation conditions are met.

When a +B short is detected in the driver seat airbag igniter circuit (AD+, AD- line), DTC B1803/12 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1803/12	+B short circuit of the AD+ and AD- lines of the wire harness between the airbag computer assembly and the horn button assembly (driver seat side airbag) - Horn button assembly (driver seat side airbag) malfunction - Spiral cable malfunction - Airbag computer assembly malfunction	- Horn button assembly - Spiral cable - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and spiral cable)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

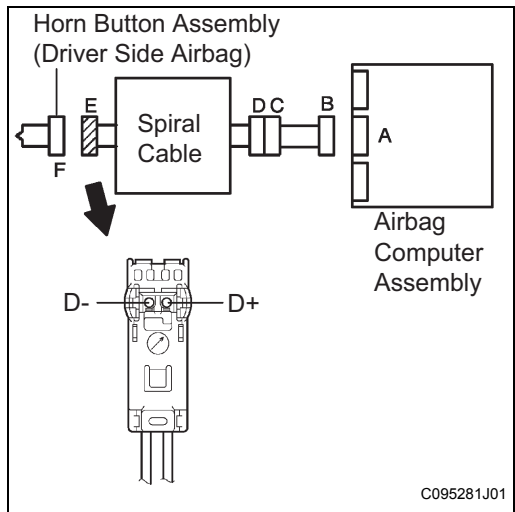
HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1

INSPECT DRIVER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND HORN BUTTON ASSEMBLY)



OK

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.
- HINT:
Check that the ignition switch is turned off (LOCK) before disconnecting the negative battery terminal.
- (b) Disconnect the connectors from the airbag computer assembly and the horn button assembly.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, check the voltage between terminals D+ and D- of connector E, and the body ground.

Standard:

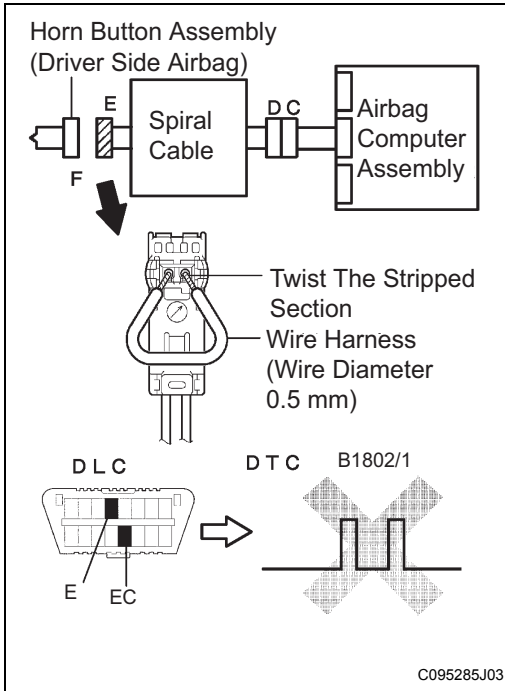
1 V or less

NG

Go to step 4

2

INSPECT AIRBAG COMPUTER ASSEMBLY



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals D+ and D- of connector E.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 12 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1803 is not output.

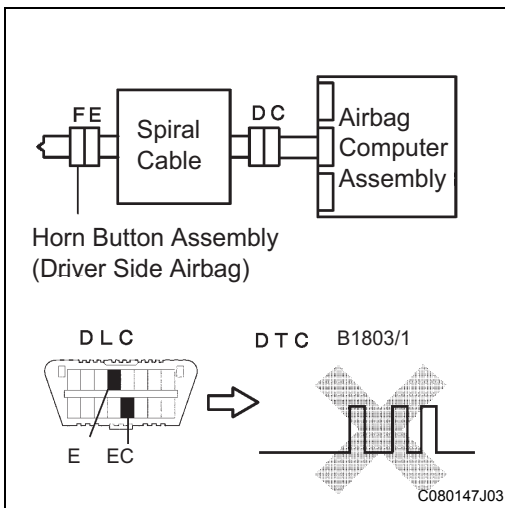
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT DRIVER SEAT IGNITER (HORN BUTTON ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between terminals D+ and D- of connector E and connect the connector to the horn button assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 12 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1803 is not output.

NG

REPLACE HORN BUTTON ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

4**INSPECT INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)**

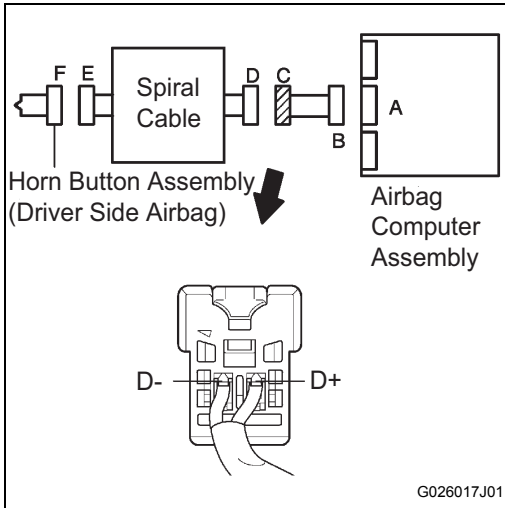
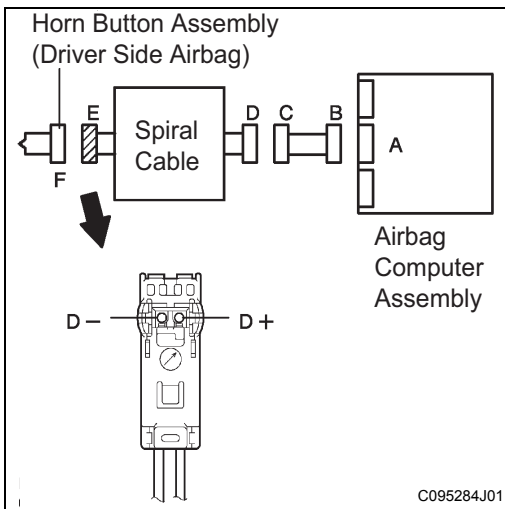
HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Disconnect connectors C and D.
- (d) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (e) Using a tester, check the voltage between terminals D+ and D- of connector C, and the body ground.

Standard:

1 V or less

NG**REPAIR OR REPLACE INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND SPIRAL CABLE)****OK****5****INSPECT SPIRAL CABLE**

- (a) Using a tester, check the voltage between terminals D+ and D- of connector E, and the body ground.

Standard:

1 V or less

NG**REPLACE SPIRAL CABLE****OK****PERFORM REPRODUCTION METHOD**

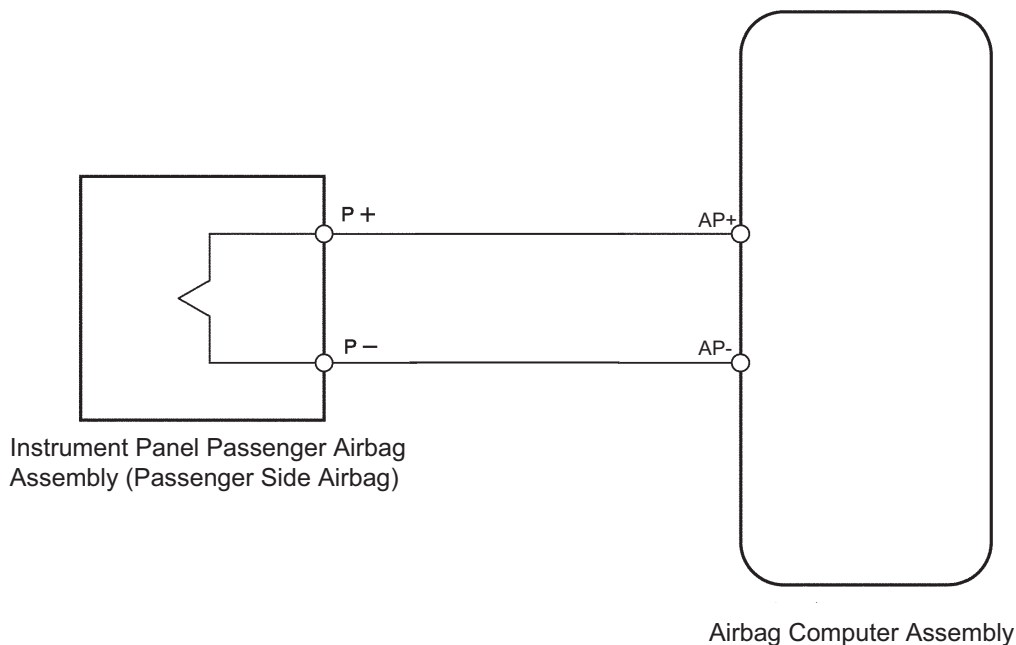
DTC**B1805/53****Short Circuit between Passenger Seat Front Collision Igniter Lines****DESCRIPTION**

The passenger seat airbag igniter circuit consists of the airbag computer assembly and the instrument panel passenger airbag assembly. The instrument panel passenger airbag assembly operates when the deployment conditions are met.

When a short is detected in the passenger seat airbag igniter circuit (AP+, AP- line), DTC B1805/53 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1805/53	- Short circuit of the AP+ and AP- lines of the wire harness between the airbag computer assembly and the instrument panel passenger airbag assembly (passenger seat side airbag) - Instrument panel passenger airbag assembly (passenger seat side airbag) malfunction - Airbag computer assembly malfunction	- Instrument panel passenger airbag assembly - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and instrument panel passenger airbag assembly)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

INSPECT INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY CONNECTOR

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the instrument panel passenger airbag assembly.
- (c) Check that the instrument panel passenger airbag assembly (front passenger seat side airbag) connectors are not damaged.

Standard:

The locking button of the connector has not moved out of position.

The claws of the locking button have no deformation or other damage.

NG

REPAIR OR REPLACE INSTRUMENT PANEL WIRE (INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY CONNECTOR)

OK
2

INSPECT INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)

HINT:

For inspection procedures and precautions, see page IN-38.

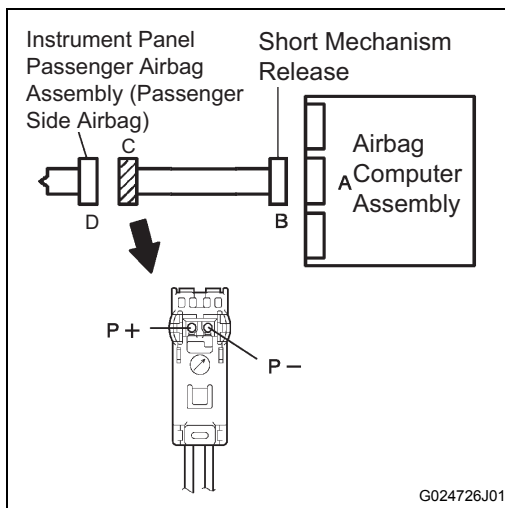
- (a) Disconnect the connectors from the airbag computer assembly.
- (b) Release the short circuiting mechanism of connector B (AP+, AP-).
- (c) Using a tester, touch terminals P+ and P- of connector C with the tester probe and measure the resistance between connector B and connector.

Standard:

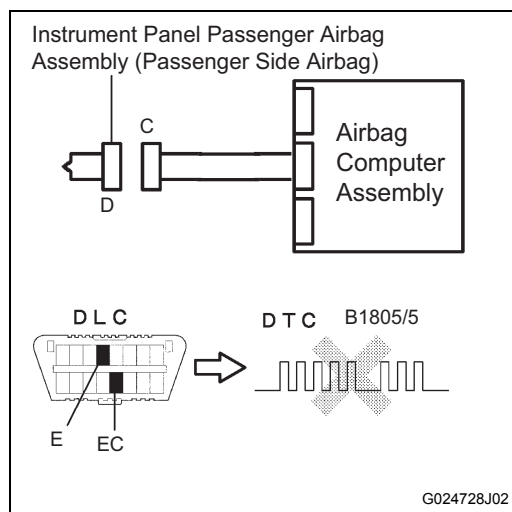
1 MΩ or higher

NG

REPLACE INSTRUMENT PANEL WIRE (INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY CONNECTOR)


OK

3 INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
 - When reading the code using the warning lights:

Standard:

DTC 53 is not output.
 - When reading the code using the DS-II:

Standard:

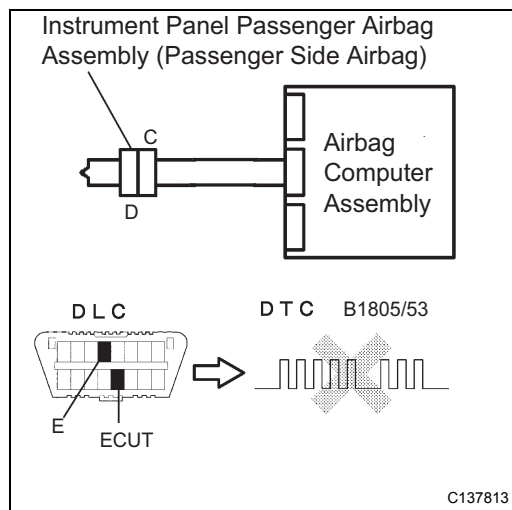
DTC B1805 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

4 INSPECT PASSENGER SEAT IGNITER (INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the instrument panel passenger airbag assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 53 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1805 is not output.

NG

REPLACE INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

DTC	B1806/54	Open Circuit in Passenger Seat Front Collision Igniter Circuit
-----	----------	--

DESCRIPTION

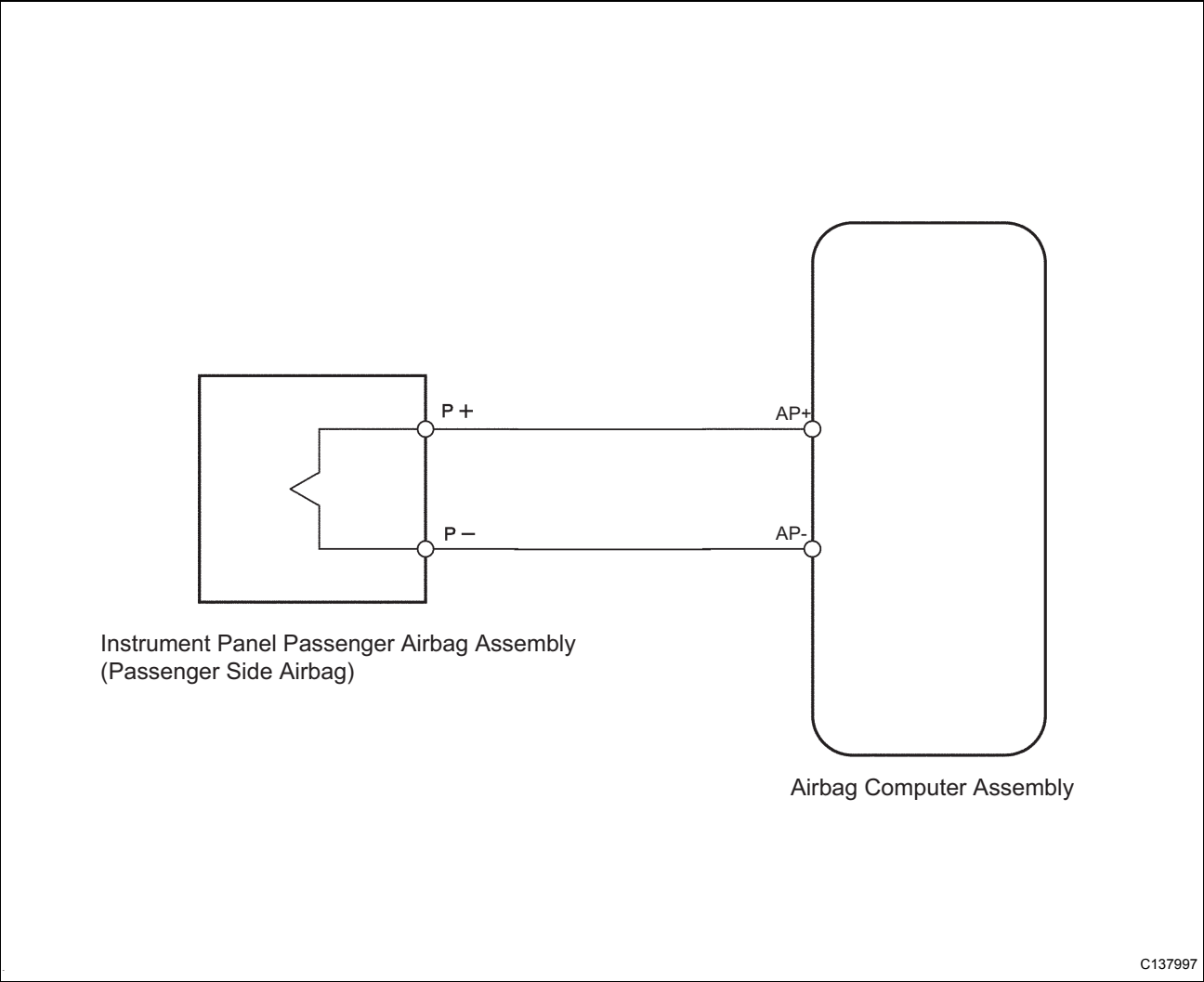
The passenger seat airbag igniter circuit consists of the airbag computer assembly and the instrument panel passenger airbag assembly. The instrument panel passenger airbag assembly operates when the deployment conditions are met.

RS

When an open circuit is detected in the passenger seat airbag igniter circuit (AP+, AP- line), DTC B1806/54 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1806/54	• Open circuit of the AP+ and AP- lines of the wire harness between the airbag computer assembly and the instrument panel passenger airbag assembly (passenger seat side airbag) • Instrument panel passenger airbag assembly (passenger seat side airbag) malfunction • Airbag computer assembly malfunction	• Instrument panel passenger airbag assembly • Airbag computer assembly • Instrument panel wire

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1

INSPECT PASSENGER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

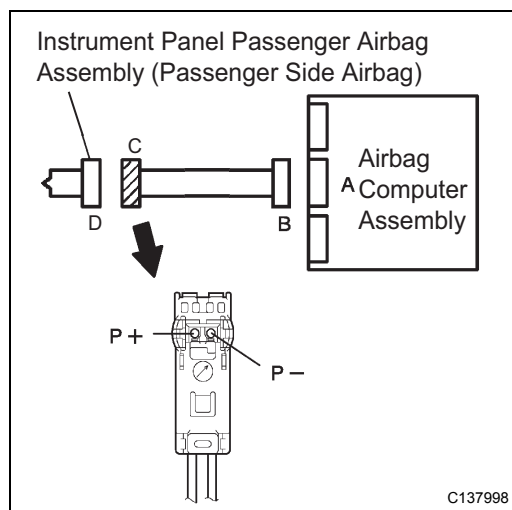
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the instrument panel passenger airbag assembly.
- (c) Using a tester, touch terminals P+ and P- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less



OK

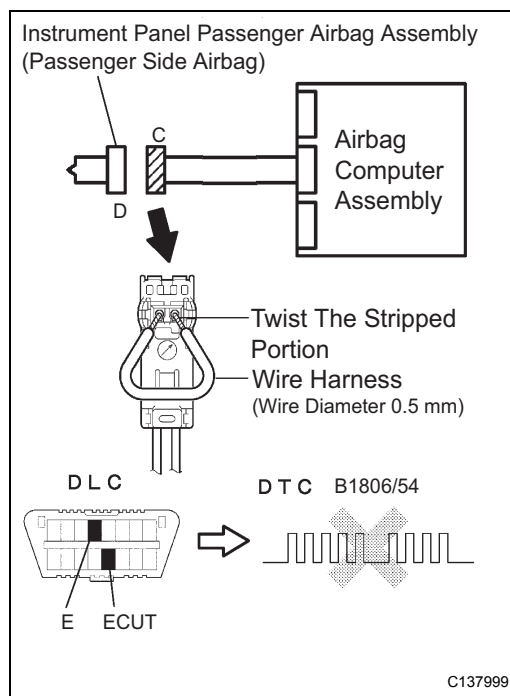
NG

REPAIR OR REPLACE INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)

2

INSPECT AIRBAG COMPUTER ASSEMBLY

RS



- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals P+ and P- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 54 is not output.

- When reading the code using the DS-II:

Standard:

DTC B01806 is not output.

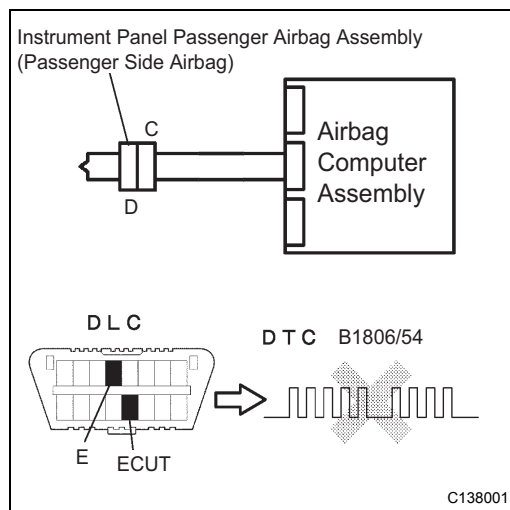
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT PASSENGER SEAT IGNITER (INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between P+ and P- of connector C and connect the connectors to the instrument panel passenger airbag assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 54 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1806 is not output.

NG

REPLACE INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

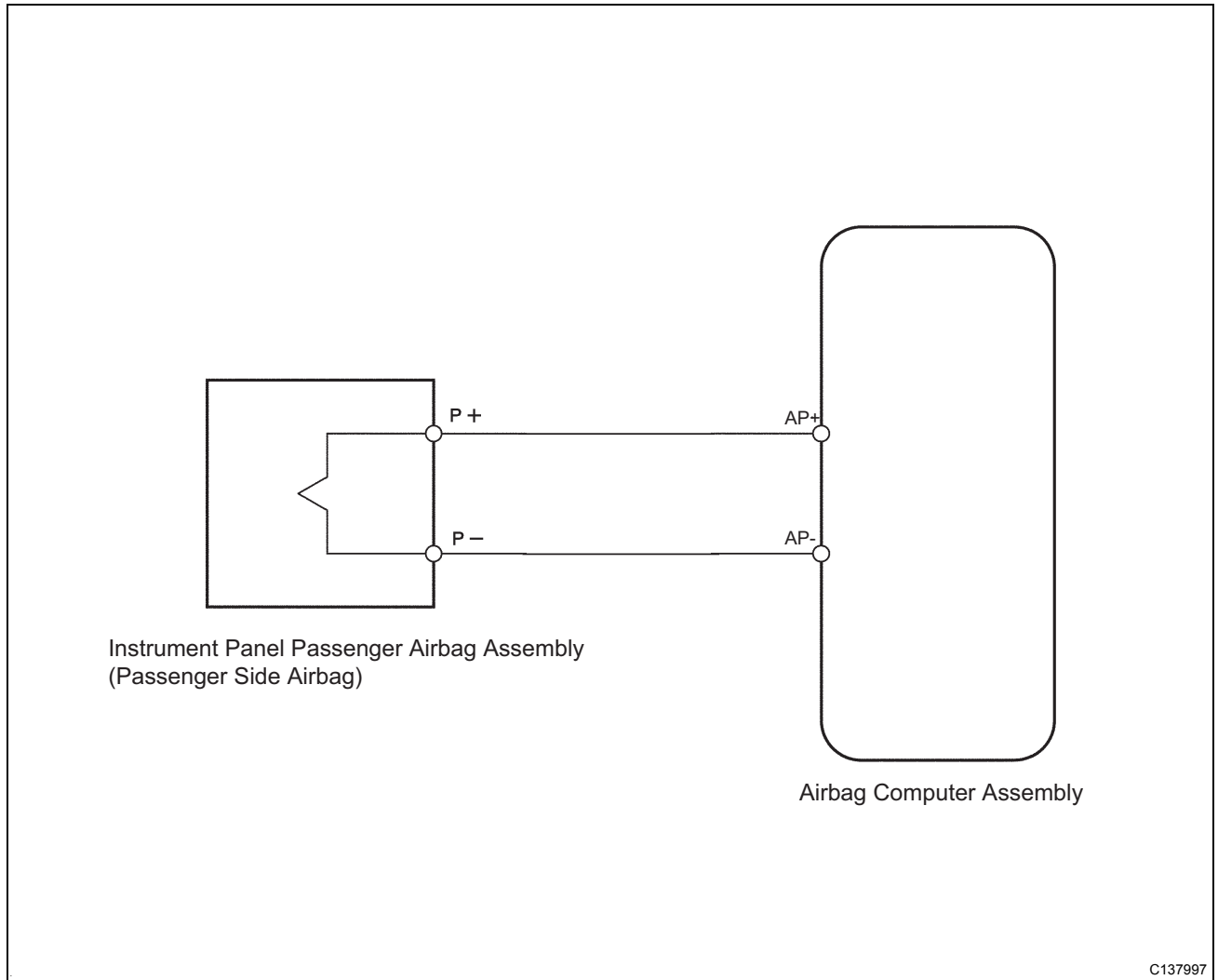
DTC**B1807/51****Ground Short Circuit in Passenger Seat Front Collision Igniter Circuit****DESCRIPTION**

The passenger seat airbag igniter circuit consists of the airbag computer assembly and the instrument panel passenger airbag assembly. The instrument panel passenger airbag assembly operates when the deployment conditions are met.

When a ground short is detected in the passenger seat airbag igniter circuit (AP+, AP- line), DTC B1807/51 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1807/51	- Ground short circuit of the AP+ and AP- lines of the wire harness between the airbag computer assembly and the instrument panel passenger airbag assembly (passenger seat side airbag) - Instrument panel passenger airbag assembly (passenger seat side airbag) malfunction - Airbag computer assembly malfunction	- Instrument panel passenger airbag assembly - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and instrument panel passenger airbag assembly)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1	INSPECT PASSENGER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)
---	---

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

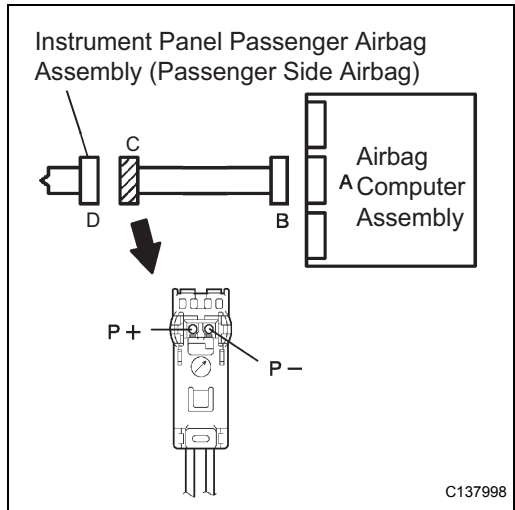
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the instrument panel passenger airbag assembly.
- (c) Using a tester, measure the resistance between terminals P+ and P- of connector C, and the body ground.

Standard:

1 MΩ or higher

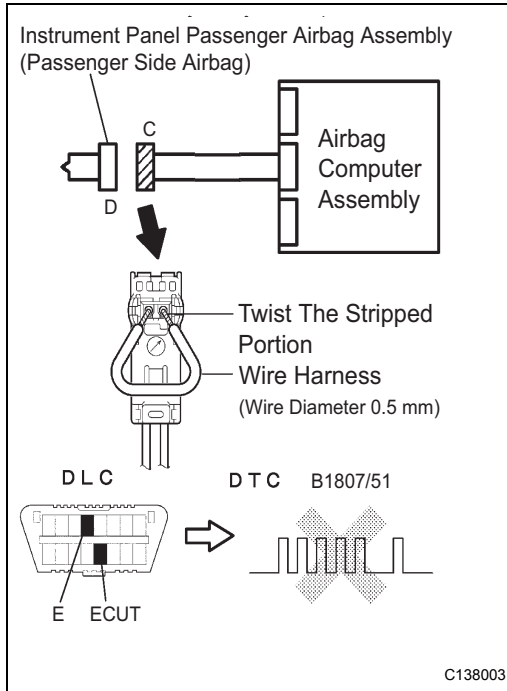


OK

NG	INSPECT INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)
----	---

2

INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals P+ and P- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 51 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1807 is not output.

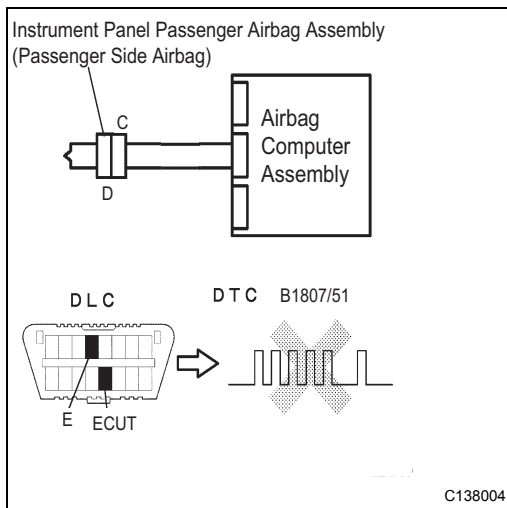
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT PASSENGER SEAT IGNITER (INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between P+ and P- of connector C and connect the connectors to the instrument panel passenger airbag assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 51 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1807 is not output.

NG

REPLACE INSTRUMENT PASSENGER AIRBAG ASSEMBLY

OK

PERFORM REPRODUCTION METHOD

DTC	B1808/52	Power Supply Short Circuit in Passenger Seat Front Collision Igniter Circuit
-----	----------	--

DESCRIPTION

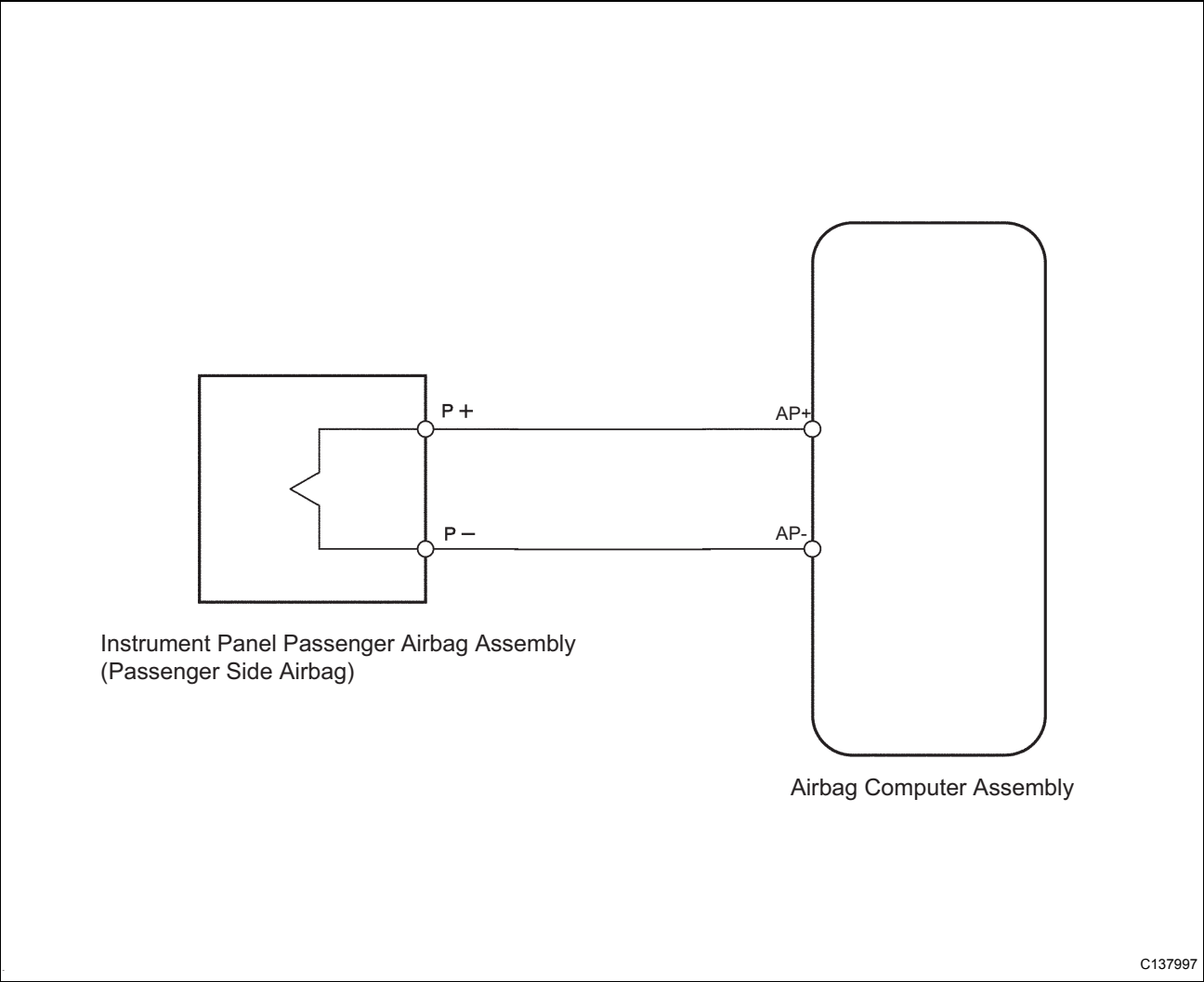
The passenger seat airbag igniter circuit consists of the airbag sensor assembly and the instrument panel passenger airbag assembly. The instrument panel passenger airbag assembly operates when the deployment conditions are met.

RS

When a +B short is detected in the passenger seat airbag igniter circuit (AP+, AP- line), DTC B1808/52 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1808/52	+B short circuit of the AP+ and AP- lines of the wire harness between the airbag computer assembly and the instrument panel passenger airbag assembly (passenger seat side airbag) - Instrument panel passenger airbag assembly (passenger seat side airbag) malfunction - Airbag computer assembly malfunction	- Instrument panel passenger airbag assembly - Airbag computer assembly - Instrument panel wire (between airbag computer assembly and instrument panel passenger airbag assembly)

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1

INSPECT PASSENGER SEAT AIRBAG IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

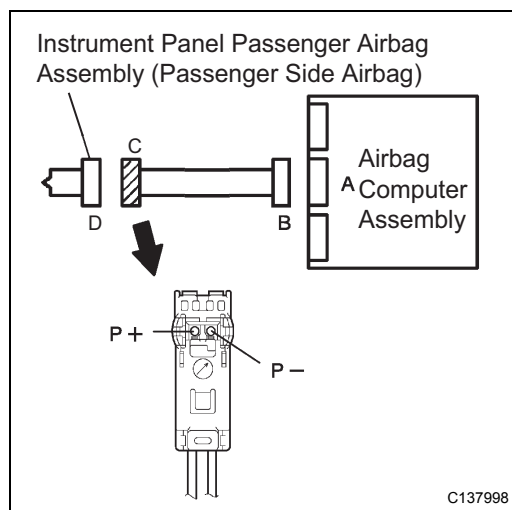
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the instrument panel passenger airbag assembly.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, measure the voltage between terminals P+ and P- of connector C, and the body ground.

Standard:

1 V or less



NG

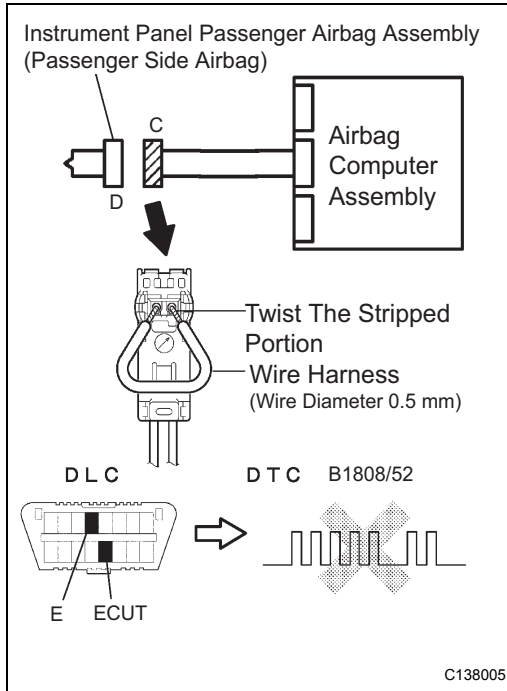
REPAIR OR REPLACE INSTRUMENT PANEL WIRE (BETWEEN AIRBAG COMPUTER ASSEMBLY AND INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)

OK

2

INSPECT AIRBAG COMPUTER ASSEMBLY

RS



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals P+ and P- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
 - Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
- When reading the code using the warning lights:

Standard:

DTC 52 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1808 is not output.

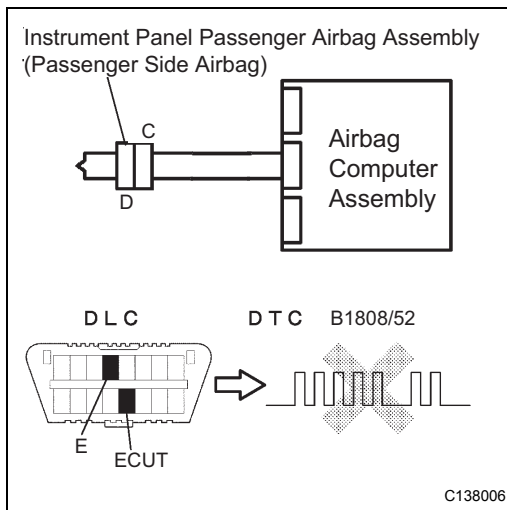
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT PASSENGER SEAT IGNITER (INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY)



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between P+ and P- of connector C and connect the connectors to the instrument panel passenger airbag assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 52 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1808 is not output.

NG

REPLACE INSTRUMENT PANEL PASSENGER AIRBAG ASSEMBLY

OK

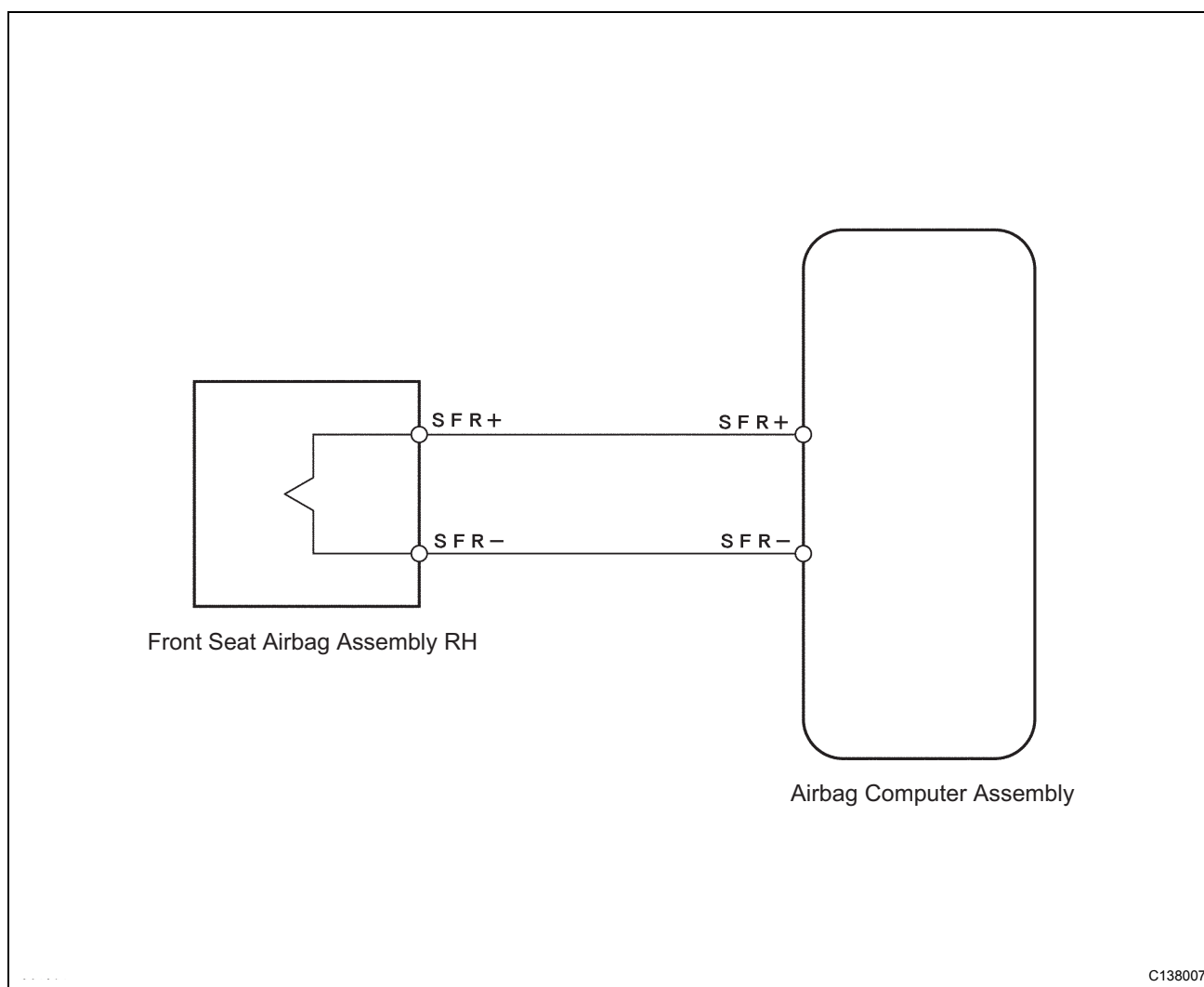
PERFORM REPRODUCTION METHOD

DTC**B1820/43****Short Circuit between Right Side Igniter Lines****DESCRIPTION**

The front seat airbag RH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly RH. The front seat airbag assembly RH operates when deployment conditions are met.

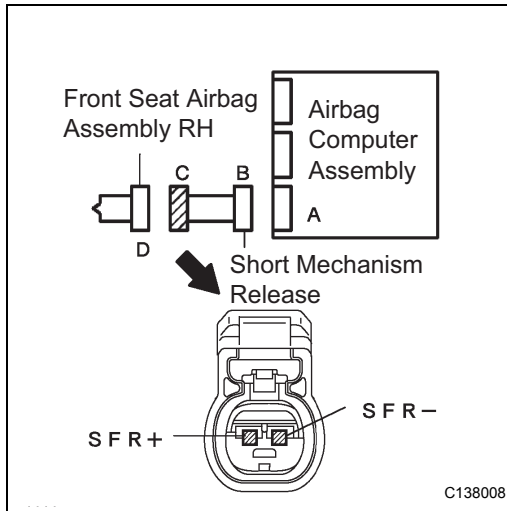
When a short is detected in the front seat airbag RH igniter circuit (SFR+, SFR- line), DTC B1820/43 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1820/43	- Short circuit of the SFR+ and SFR-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly RH - Front seat airbag assembly RH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly RH)

RS**CIRCUIT DIAGRAM****INSPECTION PROCEDURE****HINT:**

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT FRONT SEAT AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)****RS**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

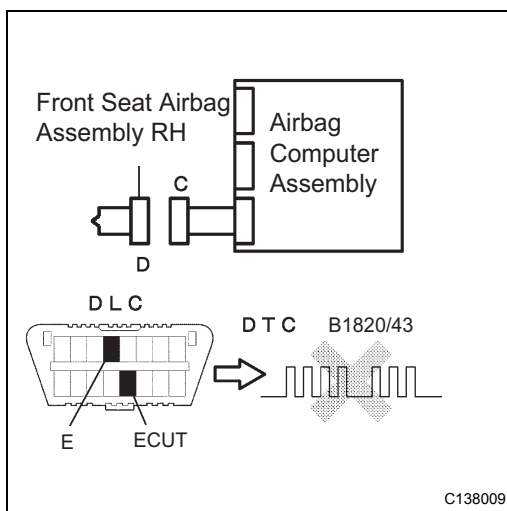
- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly RH.
- (c) Release the short circuiting mechanism of connector B (SFR+, SFR-).
- (d) Using a tester, touch terminals SFR+ and SFR- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1 MΩ or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (c) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 43 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1820 is not output.

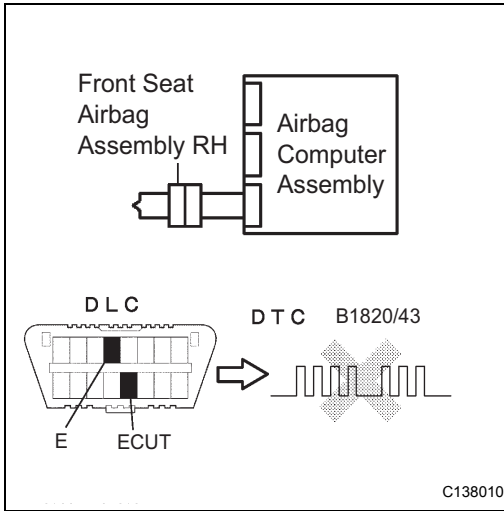
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT SEAT AIRBAG RH IGNITER



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connector to the front seat airbag assembly RH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 43 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1820 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY RH

OK

PERFORM REPRODUCTION METHOD

DTC	B1821/44	Open Circuit in Right Side Igniter
-----	----------	------------------------------------

DESCRIPTION

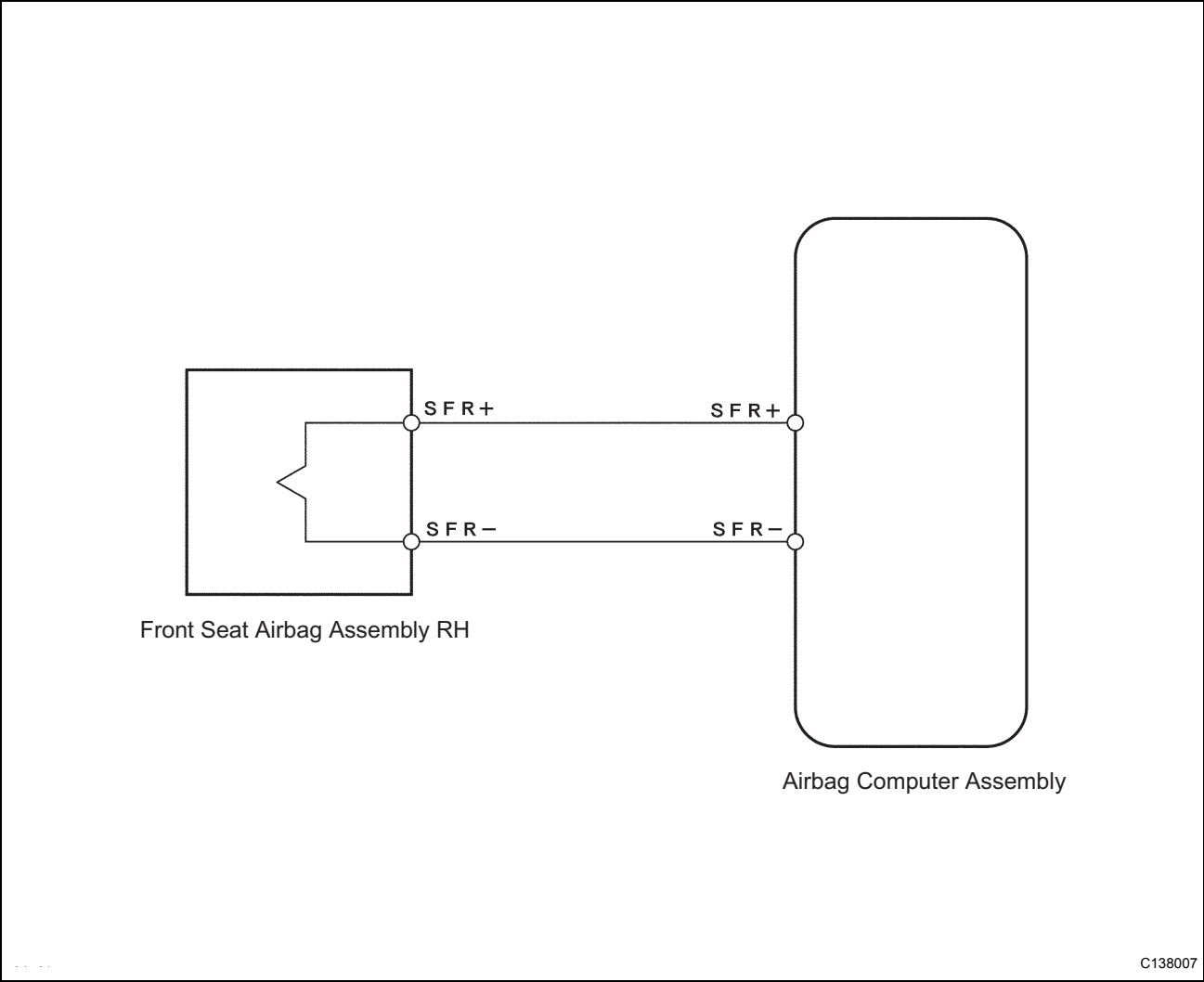
The front seat airbag RH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly RH. The front seat airbag assembly RH operates when deployment conditions are met.

When an open circuit is detected in the front seat airbag RH igniter circuit (SFR+, SFR- line), DTC B1821/44 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1821/44	- Short circuit of the SFR+ and SFR-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly RH - Front seat airbag assembly RH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly RH)

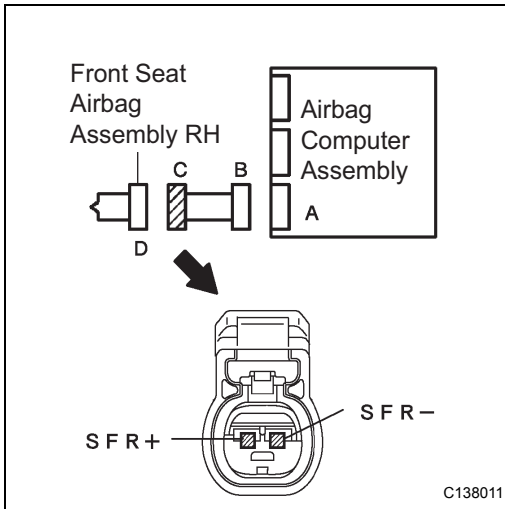
CIRCUIT DIAGRAM



INSPECTION PROCEDURE

- HINT:
- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT FRONT SEAT AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

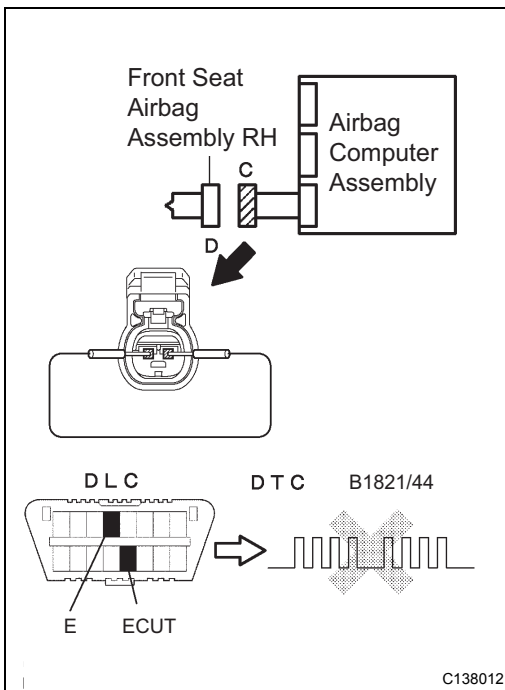
- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly RH.
- (c) Using a tester, touch terminals SFR+ and SFR- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using the SST, short the circuit between terminals SFR+ and SFR- of connector C.

NOTICE:**When short circuiting, do not insert the SST into the connector terminals with force.**

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 44 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1821 is not output.

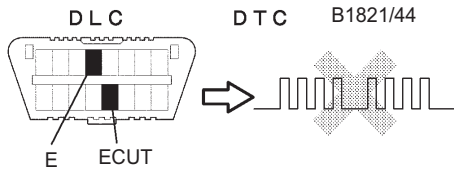
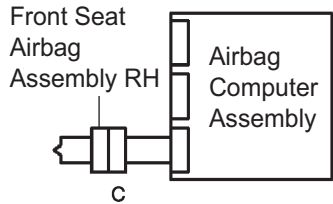
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT SEAT AIRBAG RH IGNITER



C138013

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 900 seconds.
- Release the short circuit between SFR+ and SFR- of connector C and connect the connectors to the front seat airbag assembly RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 44 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1821 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY RH

OK

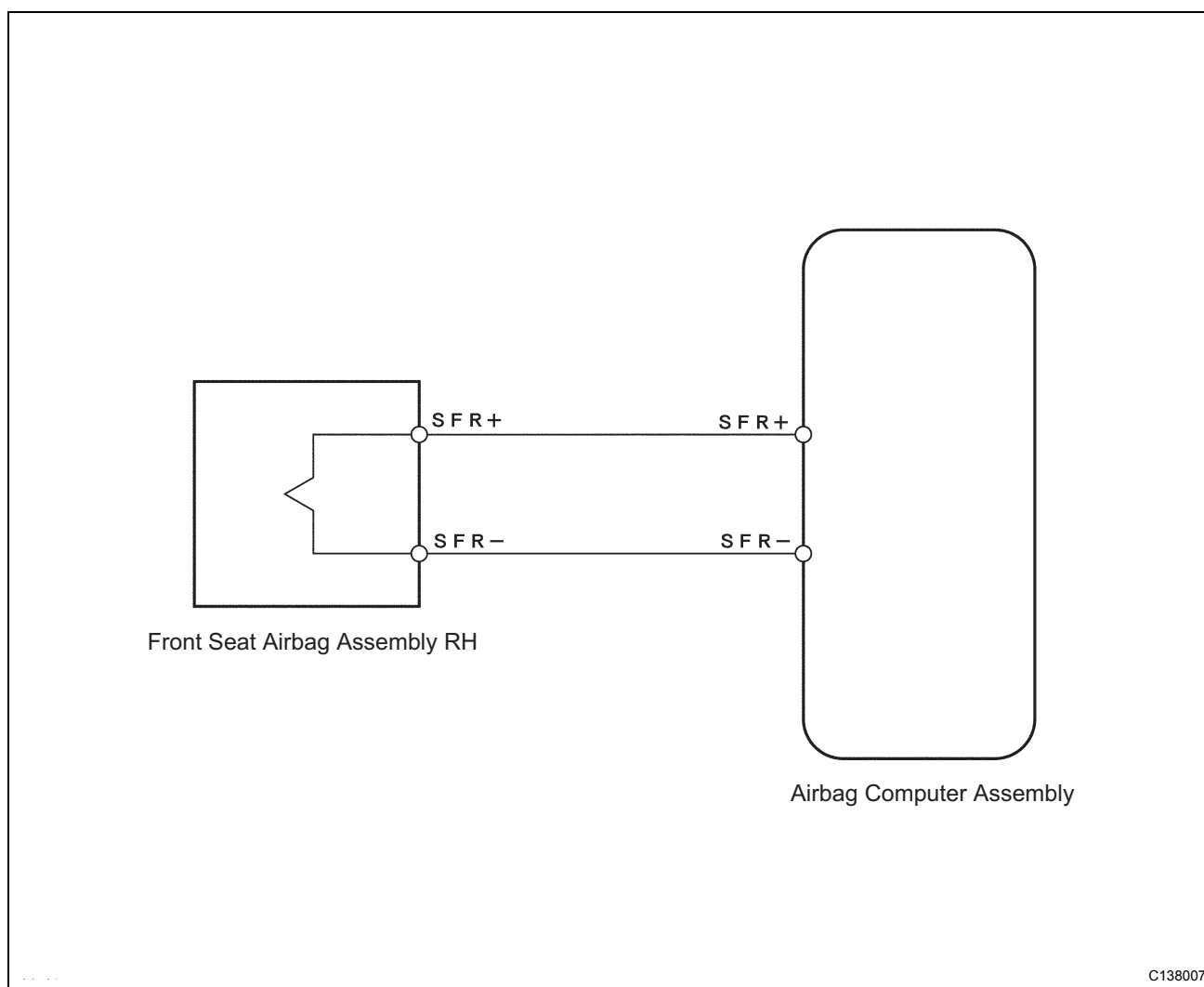
PERFORM REPRODUCTION METHOD

DTC**B1822/41****Ground Short Circuit in Right Side Igniter****DESCRIPTION**

The front seat airbag RH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly RH. The front seat airbag assembly RH operates when deployment conditions are met.

When a ground short is detected in the front seat airbag RH igniter circuit (SFR+, SFR- line), DTC B1822/41 is recorded in the airbag computer assembly.

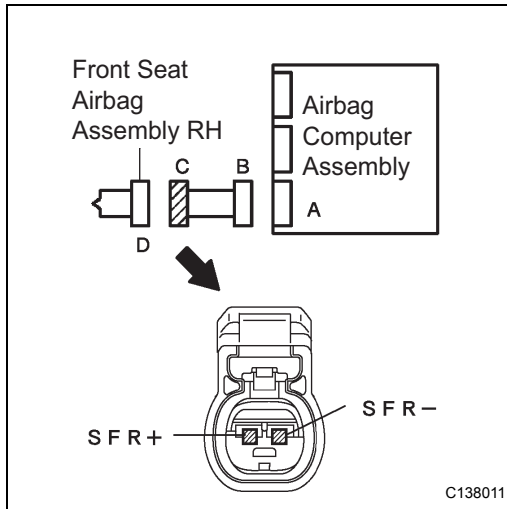
DTC No.	DTC Detection Item	Trouble Area
B1822/41	- Short circuit of the SFR+ and SFR-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly RH - Front seat airbag assembly RH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly RH)

RS**CIRCUIT DIAGRAM****INSPECTION PROCEDURE**

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT FRONT SEAT AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)****RS****OK****HINT:**

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

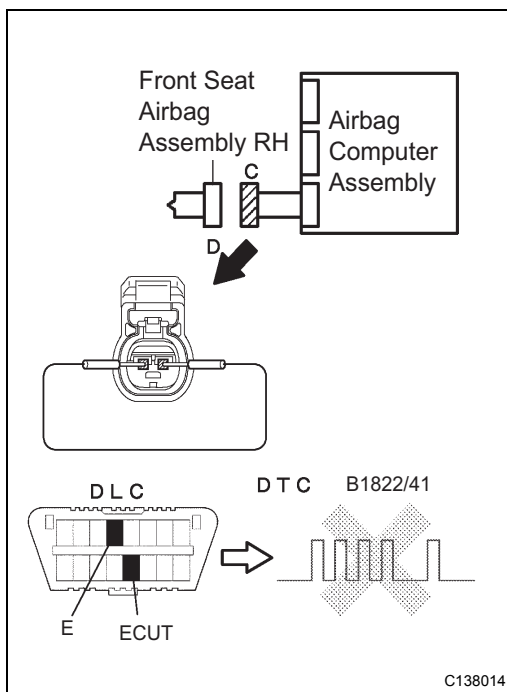
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly RH.
- (c) Using a tester, measure the resistance between terminals SFR+ and SFR- of connector C, and the body ground.

Standard:1 M Ω or higher**NG**

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)

2**INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using the SST, short the circuit between terminals SFR+ and SFR- of connector C.

NOTICE:**When short circuiting, do not insert the SST into the connector terminals with force.**

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 41 is not output.

- (2) When reading the code using the DS-II:

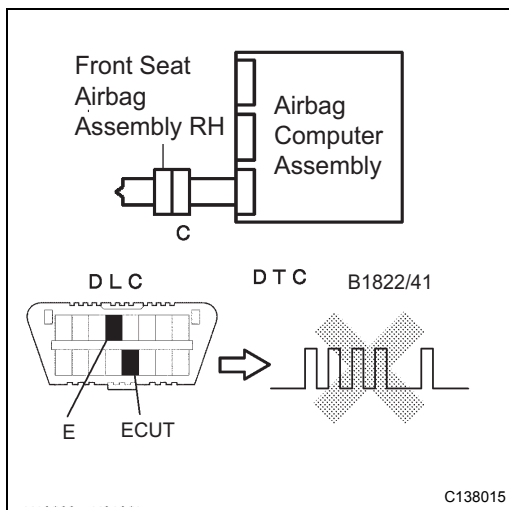
Standard:

DTC B1822 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3 INSPECT FRONT SEAT AIRBAG RH IGNITER

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between SFR+ and SFR- of connector C and connect the connectors to the front seat airbag assembly RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 41 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1822 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY RH

OK

PERFORM REPRODUCTION METHOD

DTC	B1823/42	Power Supply Short Circuit in Right Side Igniter
-----	----------	--

DESCRIPTION

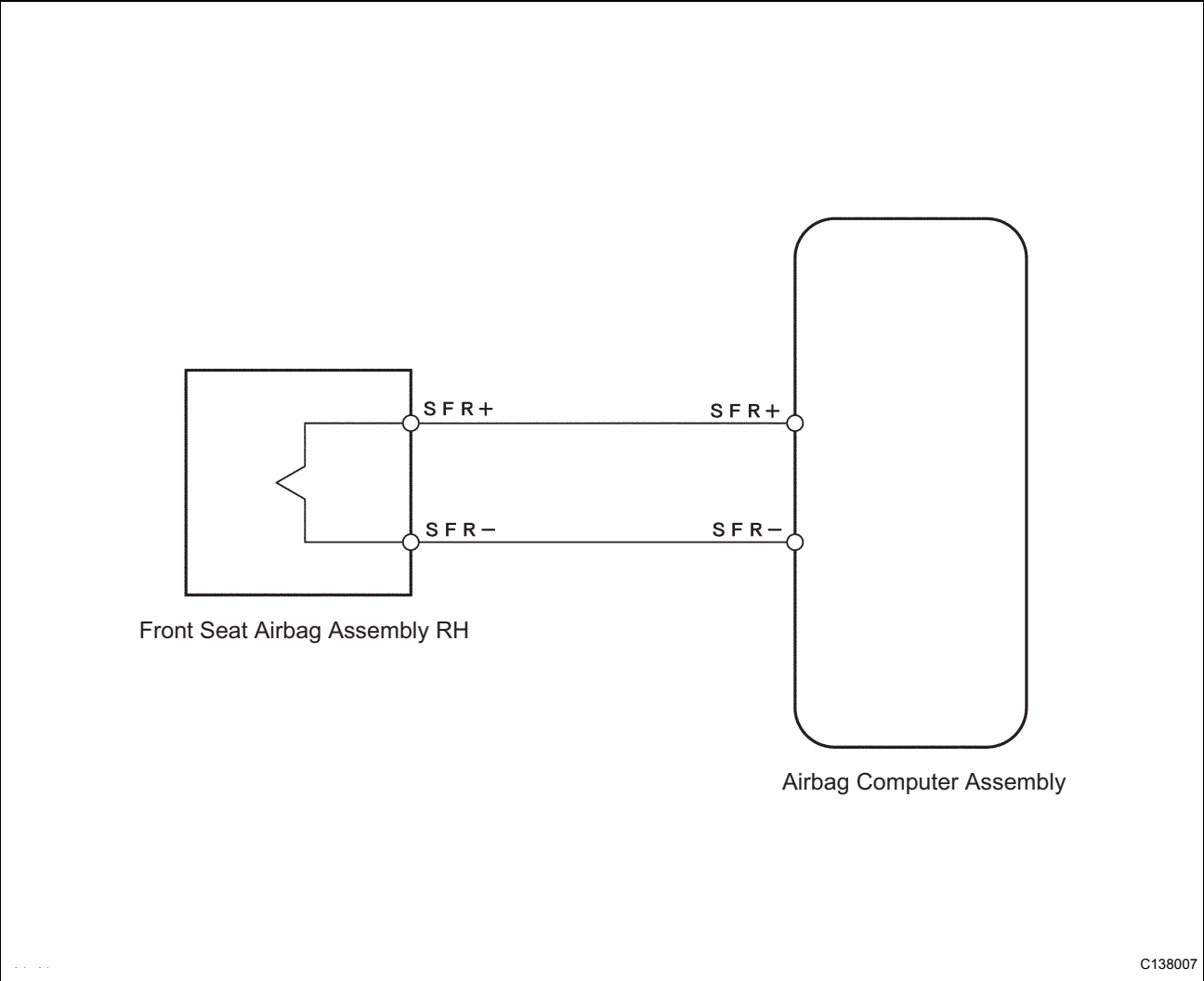
The front seat airbag RH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly RH. The front seat airbag assembly RH operates when deployment conditions are met.

When a +B short is detected in the front seat airbag RH igniter circuit (SFR+, SFR- line), DTC B1823/42 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1823/42	+B Short circuit of the SFR+ and SFR- lines of the wire harness between the airbag computer assembly and the front seat airbag assembly RH - Front seat airbag assembly RH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly RH)

CIRCUIT DIAGRAM

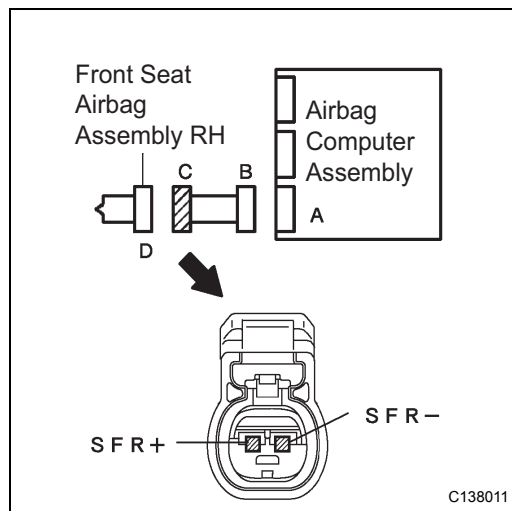


INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT FRONT SEAT AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

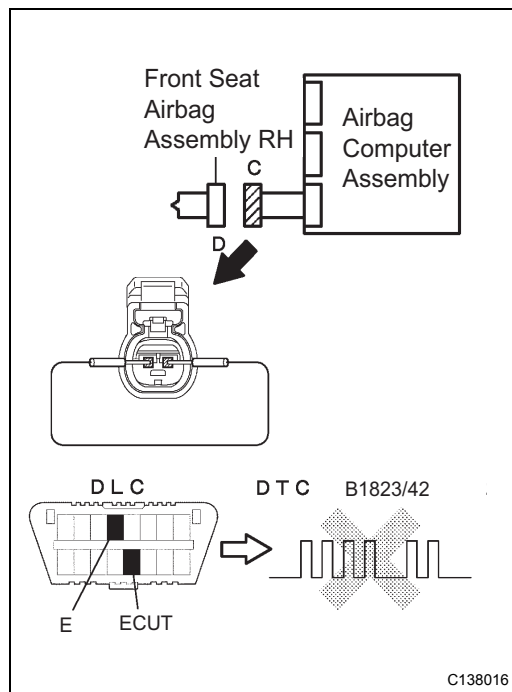
- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly RH.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, check the voltage between terminals SFR+ and SFR- of connector C, and the body ground.

Standard:

1 V or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY RH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Using the SST, short the circuit between terminals SFR+ and SFR- of connector C.

NOTICE:**When short circuiting, do not insert the SST into the connector terminals with force.**

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 42 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1823 is not output.

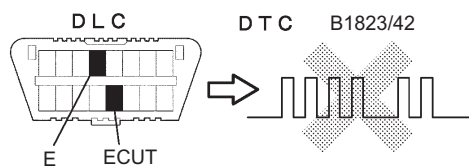
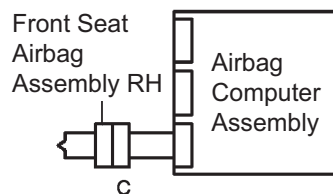
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT SEAT AIRBAG RH IGNITER



C138017

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between SFR+ and SFR- of connector C and connect the connectors to the front seat airbag assembly RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the DS-II, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 42 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1823 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY RH

OK

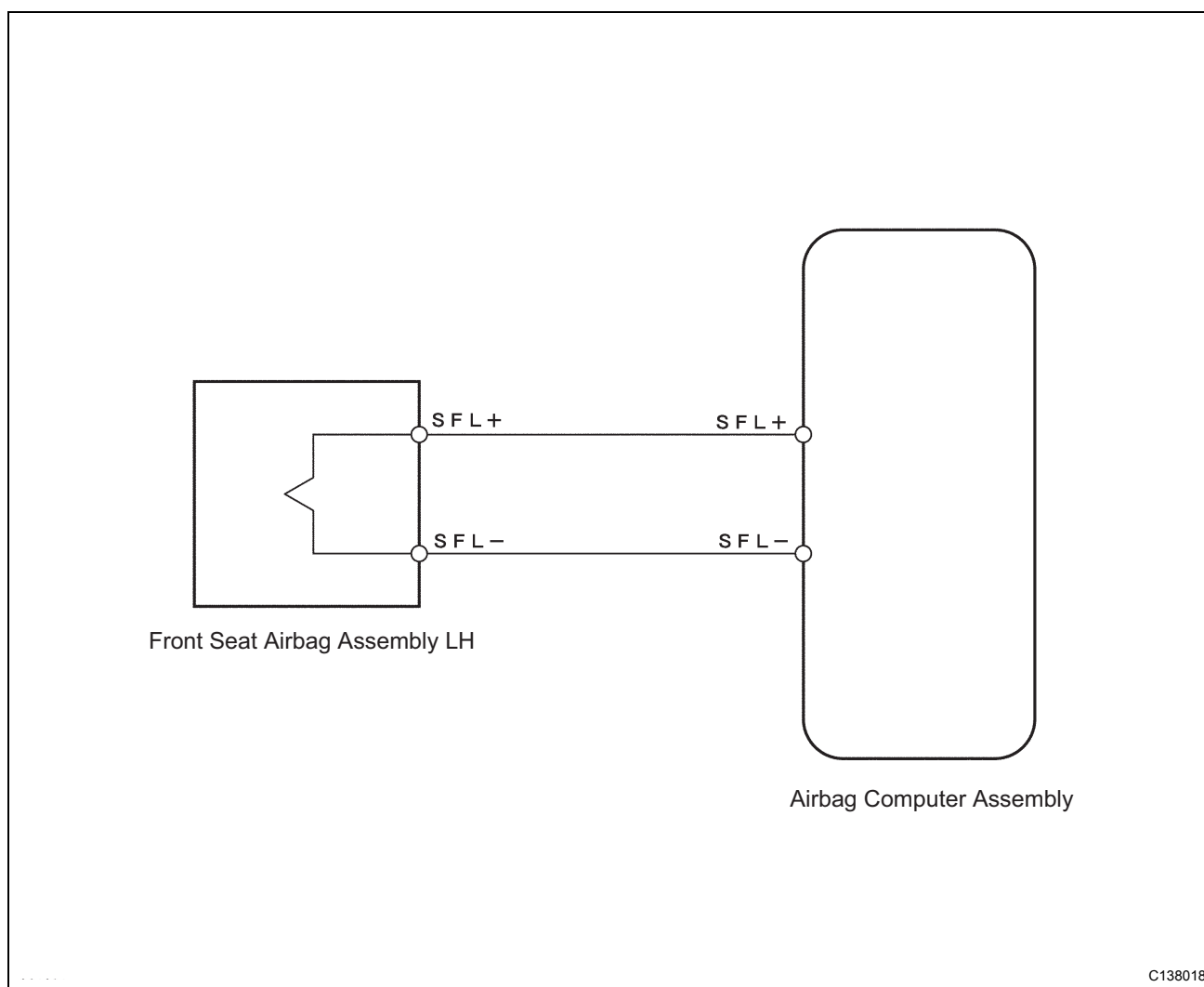
PERFORM REPRODUCTION METHOD

DTC**B1825/47****Short in L side side ignition system wire****DESCRIPTION**

The front seat airbag LH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly LH. The front seat airbag assembly LH operates when the deployment conditions are met.

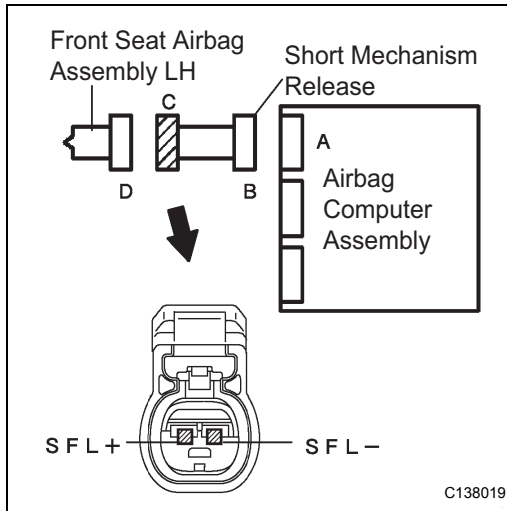
When a short is detected in the front seat airbag LH igniter circuit (SFL+, SFL- line), DTC B1825/47 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1825/47	- Short circuit of the SFL+ and SFL-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly LH - Front seat airbag assembly LH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly LH)

RS**CIRCUIT DIAGRAM****INSPECTION PROCEDURE****HINT:**

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-38.)

1
INSPECT FRONT SEAT AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)
RS

HINT:

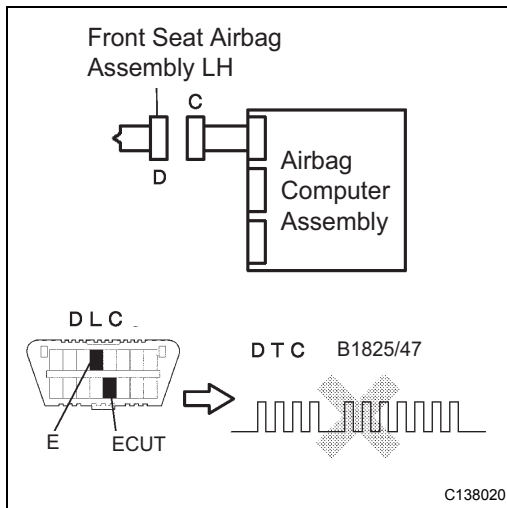
For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly LH.
- (c) Release the short circuiting mechanism of connector B (SFL+, SFL-).
- (d) Using a tester, touch terminals SFL+ and SFL- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:1 M Ω or higher**NG**
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)
OK**2**
INSPECT AIRBAG COMPUTER ASSEMBLY


- (a) Connect the connectors to the airbag computer assembly.
- (b) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (c) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 47 is not output.

- (2) When reading the code using the DS-II:

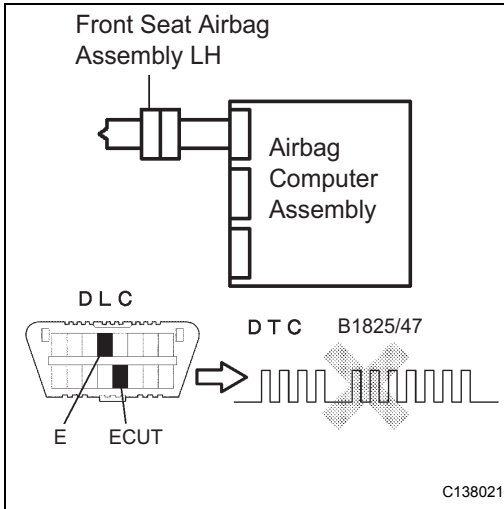
Standard:

DTC B1825 is not output.

NG
REPLACE AIRBAG COMPUTER ASSEMBLY
OK

3

INSPECT FRONT SEAT AIRBAG LH IGNITER



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connector to the front seat airbag assembly LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 47 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1825 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

DTC	B1826/48	Open Circuit in Left Side Igniter
-----	----------	-----------------------------------

DESCRIPTION

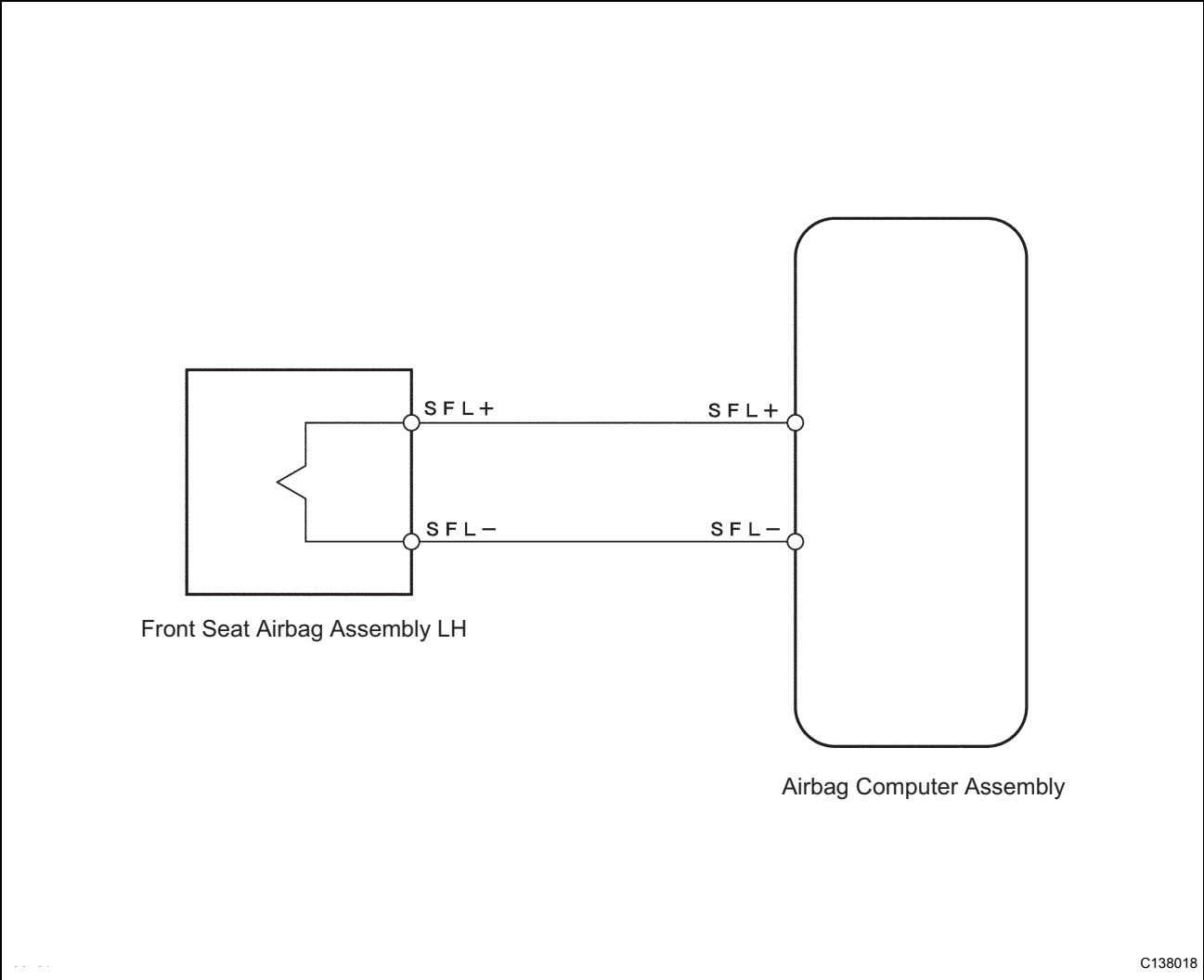
The front seat airbag LH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly LH. The front seat airbag assembly LH operates when the deployment conditions are met.

When an open circuit is detected in the front seat airbag LH igniter circuit (SFL+, SFL- line), DTC B1826/48 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1826/48	- Open circuit of the SFL+ and SFL-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly LH - Front seat airbag assembly LH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly LH)

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT FRONT SEAT AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)****RS**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

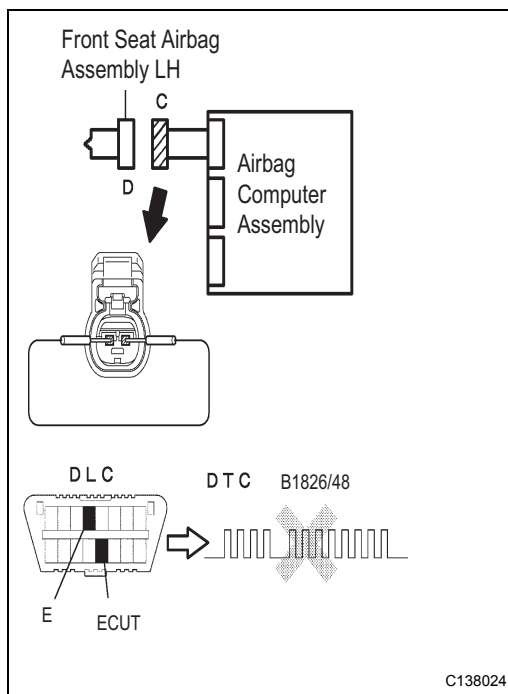
- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly LH.
- (c) Using a tester, touch terminals SFL+ and SFL- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using SST, short the circuit between terminals SFL+ and SFL- of connector C.

NOTICE:

When short circuiting, do not insert the SST into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 48 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1826 is not output.

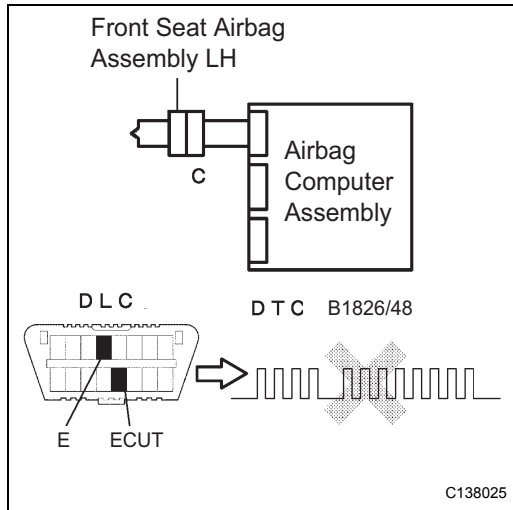
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3 INSPECT FRONT SEAT AIRBAG LH IGNITER

RS



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between SFL+ and SFL- of connector C and connect the connectors to the front seat airbag assembly LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - (1) When reading the code using the warning lights:
Standard:
DTC 48 is not output.
 - (2) When reading the code using the DS-II:
Standard:
DTC B1826 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY LH

OK

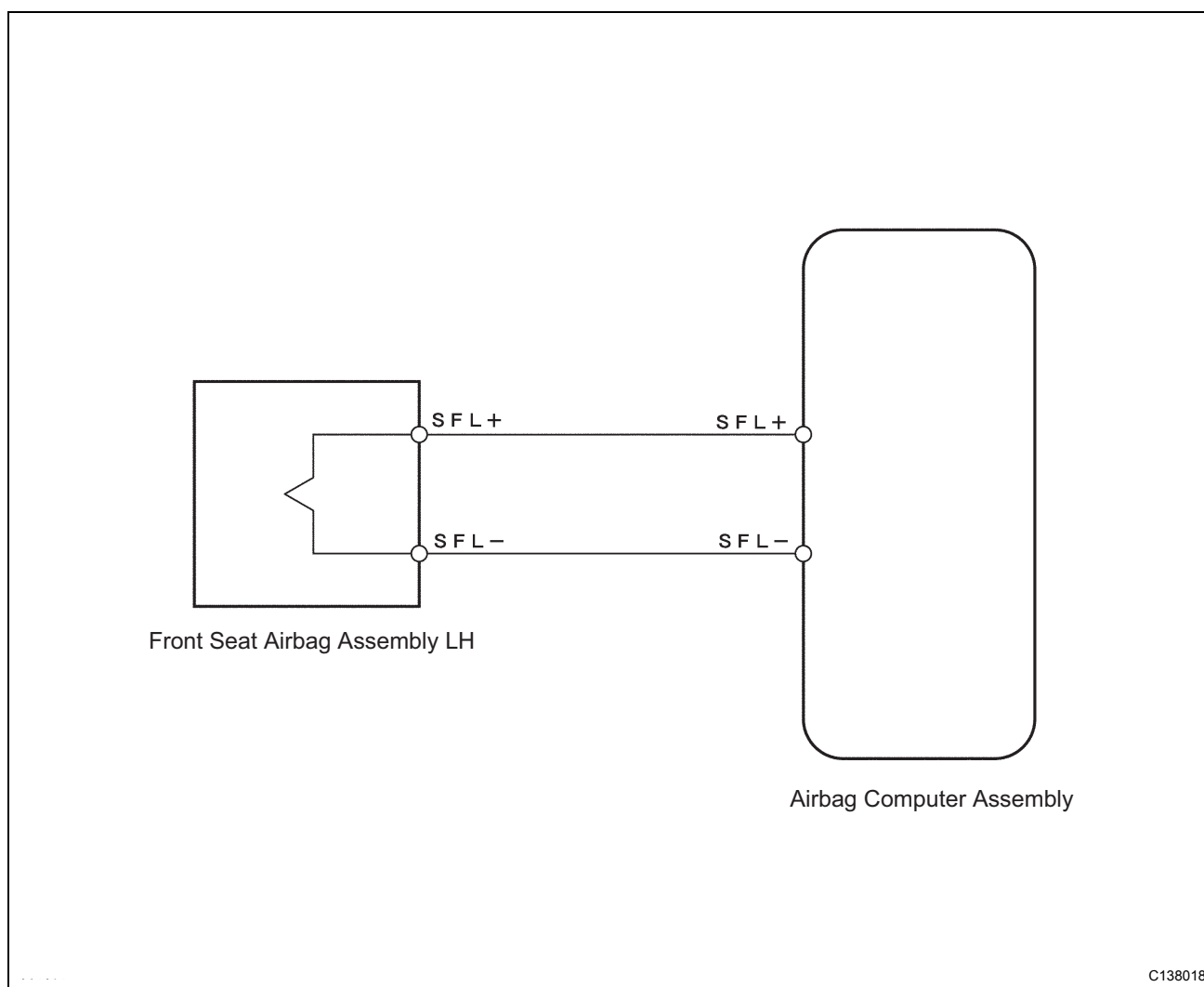
PERFORM REPRODUCTION METHOD

DTC**B1827/45****Ground Short Circuit in Left Side Igniter****DESCRIPTION**

The front seat airbag LH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly LH. The front seat airbag assembly LH operates when the deployment conditions are met.

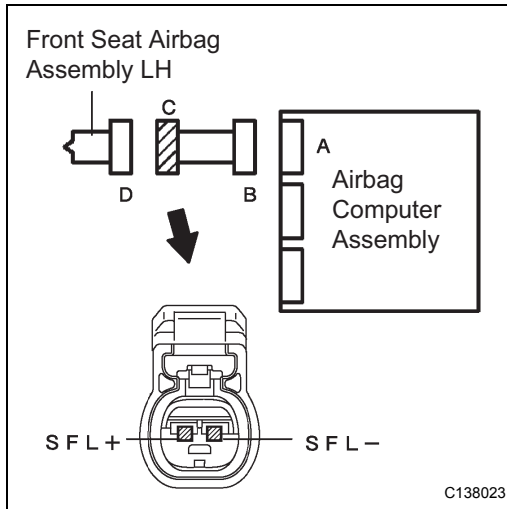
When a ground short is detected in the front seat airbag LH igniter circuit (SFL+, SFL- line), DTC B1827/45 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1827/45	- Short circuit of the SFL+ and SFL-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly LH - Front seat airbag assembly LH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly LH)

RS**CIRCUIT DIAGRAM****INSPECTION PROCEDURE****HINT:**

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1
INSPECT FRONT SEAT AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)
RS

HINT:

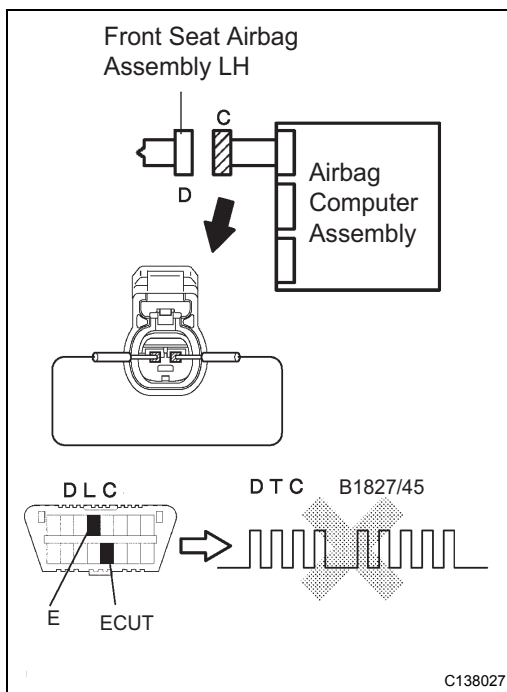
For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly LH.
- (c) Using a tester, measure the resistance between terminals SFL+ and SFL- of connector C and the body ground.

Standard:1 M Ω or higher**NG**
**REPAIR OR REPLACE FLOOR WIRE NO. 2
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND FRONT SEAT AIRBAG
ASSEMBLY LH)**
OK**2**
INSPECT AIRBAG COMPUTER ASSEMBLY


- (a) Connect the connectors to the airbag computer assembly.
- (b) Using SST, short the circuit between terminals SFL+ and SFL- of connector C.

NOTICE:**When short circuiting, do not insert the SST into the connector terminals with force.**

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 45 is not output.

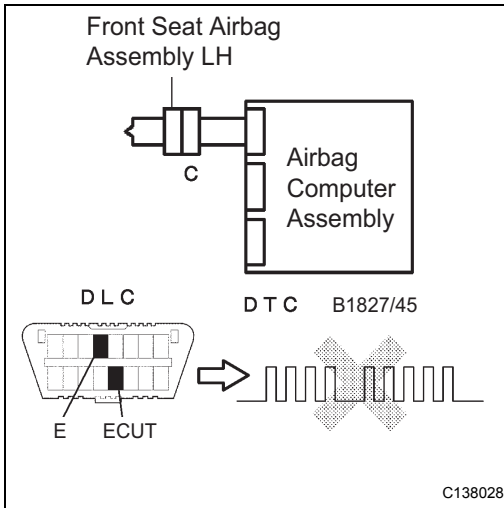
- (2) When reading the code using the DS-II:

Standard:

DTC B1827 is not output.

NG
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3 INSPECT FRONT SEAT AIRBAG LH IGNITER

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between SFL+ and SFL- of connector C and connect the connectors to the front seat airbag assembly LH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 45 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1827 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

DTC	B1828/46	Power Supply Short Circuit in Left Side Igniter
------------	-----------------	--

DESCRIPTION

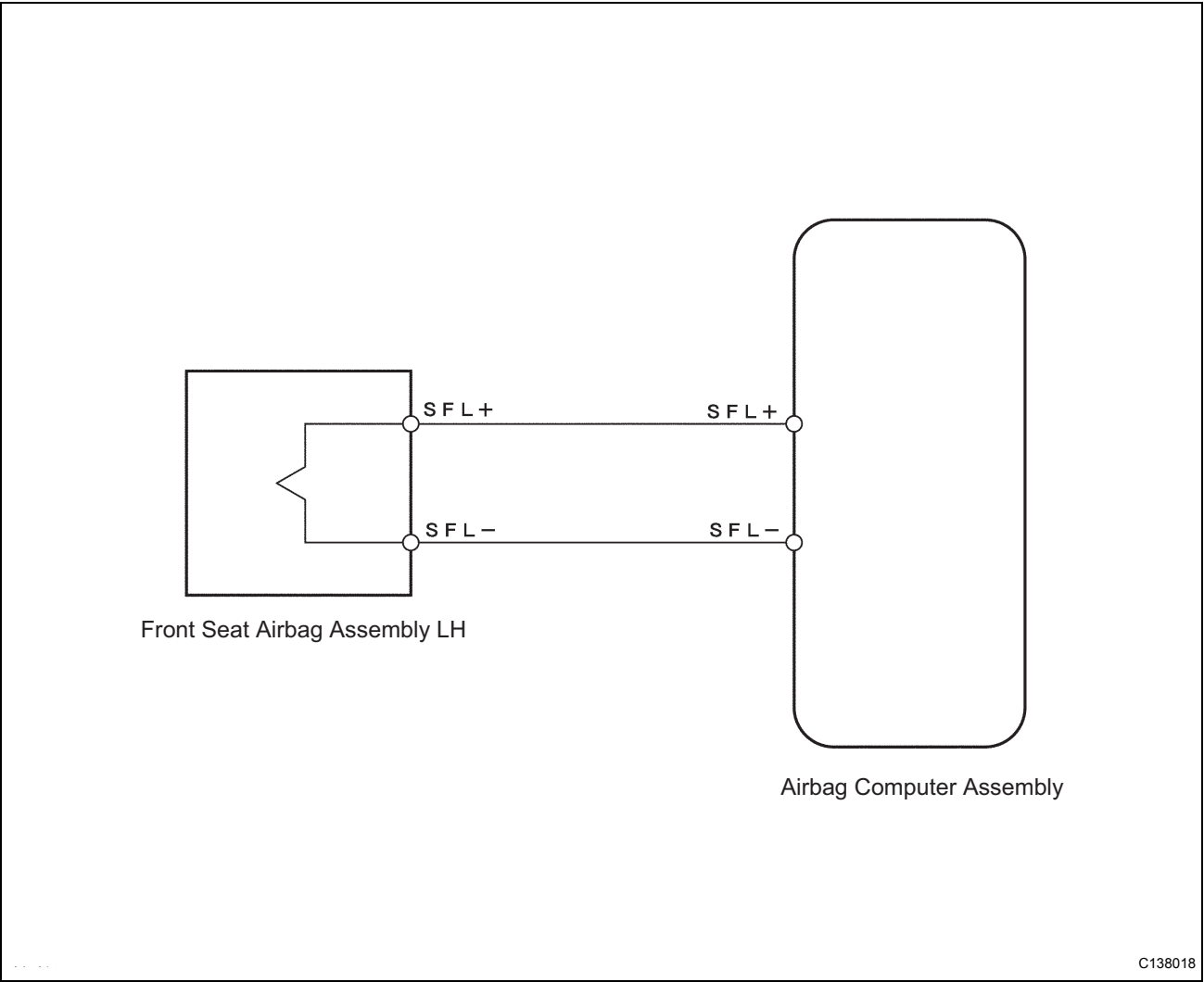
The front seat airbag LH igniter circuit consists of the airbag computer assembly and the front seat airbag assembly LH. The front seat airbag assembly LH operates when the deployment conditions are met.

When a +B short is detected in the front seat airbag LH igniter circuit (SFL+, SFL- line), DTC B1828/46 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1828/46	+B short circuit of the SFL+ and SFL-lines of the wire harness between the airbag computer assembly and the front seat airbag assembly LH - Front seat airbag assembly LH malfunction - Airbag computer assembly malfunction	- Front seat airbag assembly LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat airbag assembly LH)

CIRCUIT DIAGRAM

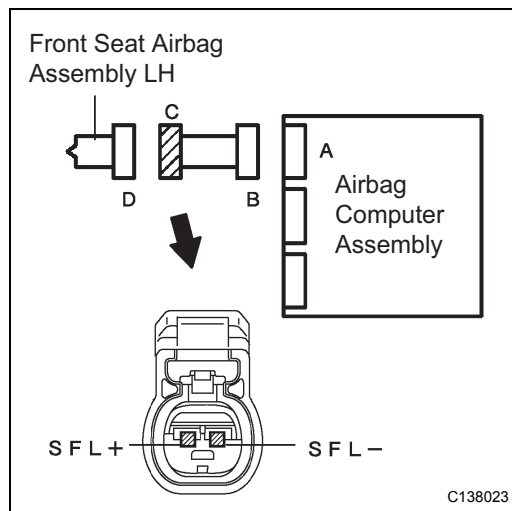


INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT FRONT SEAT AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

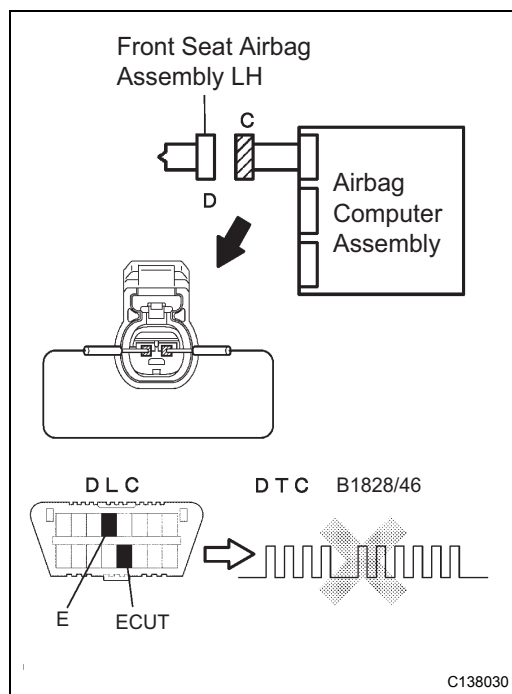
- (b) Disconnect the connectors from the airbag computer assembly and the front seat airbag assembly LH.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, check the voltage between terminals SFL+ and SFL- of connector C, and the body ground.

Standard:

1 V or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT AIRBAG ASSEMBLY LH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Using SST, short the circuit between terminals SFR+ and SFR- of connector C.

NOTICE:**When short circuiting, do not insert the SST into the connector terminals with force.**

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 46 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1828 is not output.

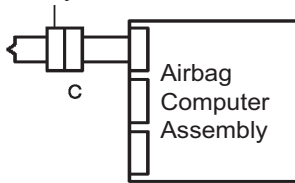
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT SEAT AIRBAG LH IGNITER

Front Seat Airbag
Assembly LH

D L C D T C B1828/46



C138031

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between SFL+ and SFL- of connector C and connect the connectors to the front seat airbag assembly LH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 46 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1828 is not output.

NG

REPLACE FRONT SEAT AIRBAG ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

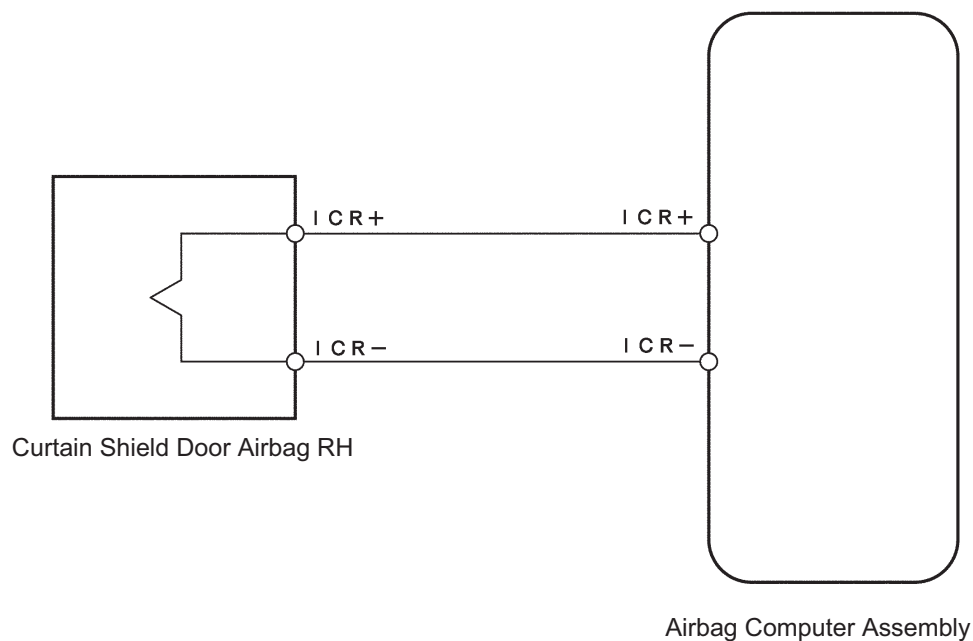
DTC**B1830/83****Short Circuit between Right Side Curtain Igniter Lines****DESCRIPTION**

The curtain shield airbag RH igniter circuit consists of the airbag computer assembly and the curtain shield airbag RH. The curtain shield airbag RH operates when the deployment conditions are met.

When a short is detected in the curtain shield airbag RH igniter circuit (ICR+, ICR- line), DTC B1830/83 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1830/83	- Short circuit of the ICR+ and ICR-lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly RH - Curtain shield airbag RH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag RH)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

CHECK CURTAIN SHIELD AIRBAG CONNECTORS

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connector from the curtain shield airbag RH.
(c) Check that there is no damage to the curtain shield airbag RH connectors.

Standard:

The locking button of the connector has not moved out of position.

The claws of the locking button have no deformation or other damage.

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (CURTAIN SHIELD AIRBAG CONNECTOR)

OK
2

INSPECT CURTAIN SHIELD AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)

HINT:

For inspection procedures and precautions, see page IN-38.

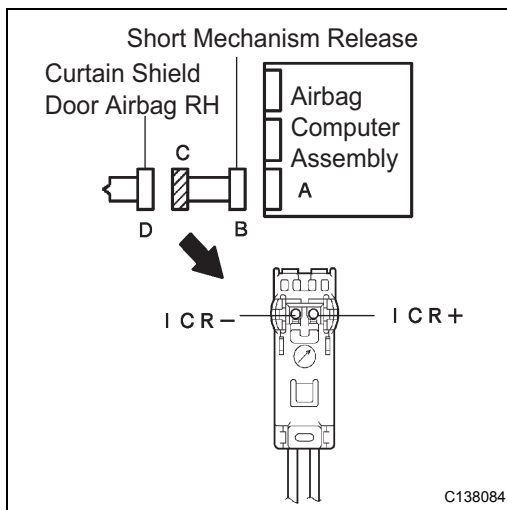
- (a) Disconnect the connectors from the airbag computer assembly.
(b) Release the short circuiting mechanism of connector B (ICR+, ICR-).
(c) Using a tester, touch terminals ICR+ and ICR- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

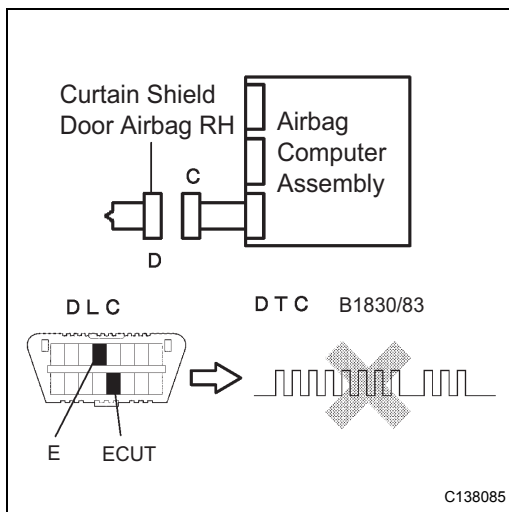
1 MΩ or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)


OK

3 INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
 - When reading the code using the warning lights:

Standard:

DTC 83 is not output.
 - When reading the code using the DS-II:

Standard:

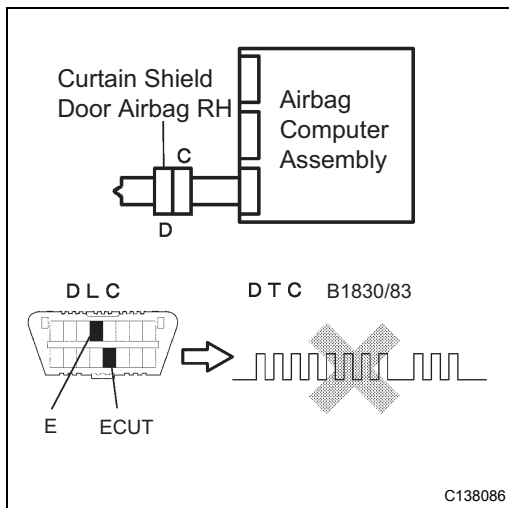
DTC B1830 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

4 INSPECT CURTAIN SHIELD AIRBAG RH IGNITER



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connector to the curtain shield airbag RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 83 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1830 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG RH

OK

PERFORM REPRODUCTION METHOD

DTC	B1831/84	Open Circuit in Right Side Curtain Igniter
-----	----------	--

DESCRIPTION

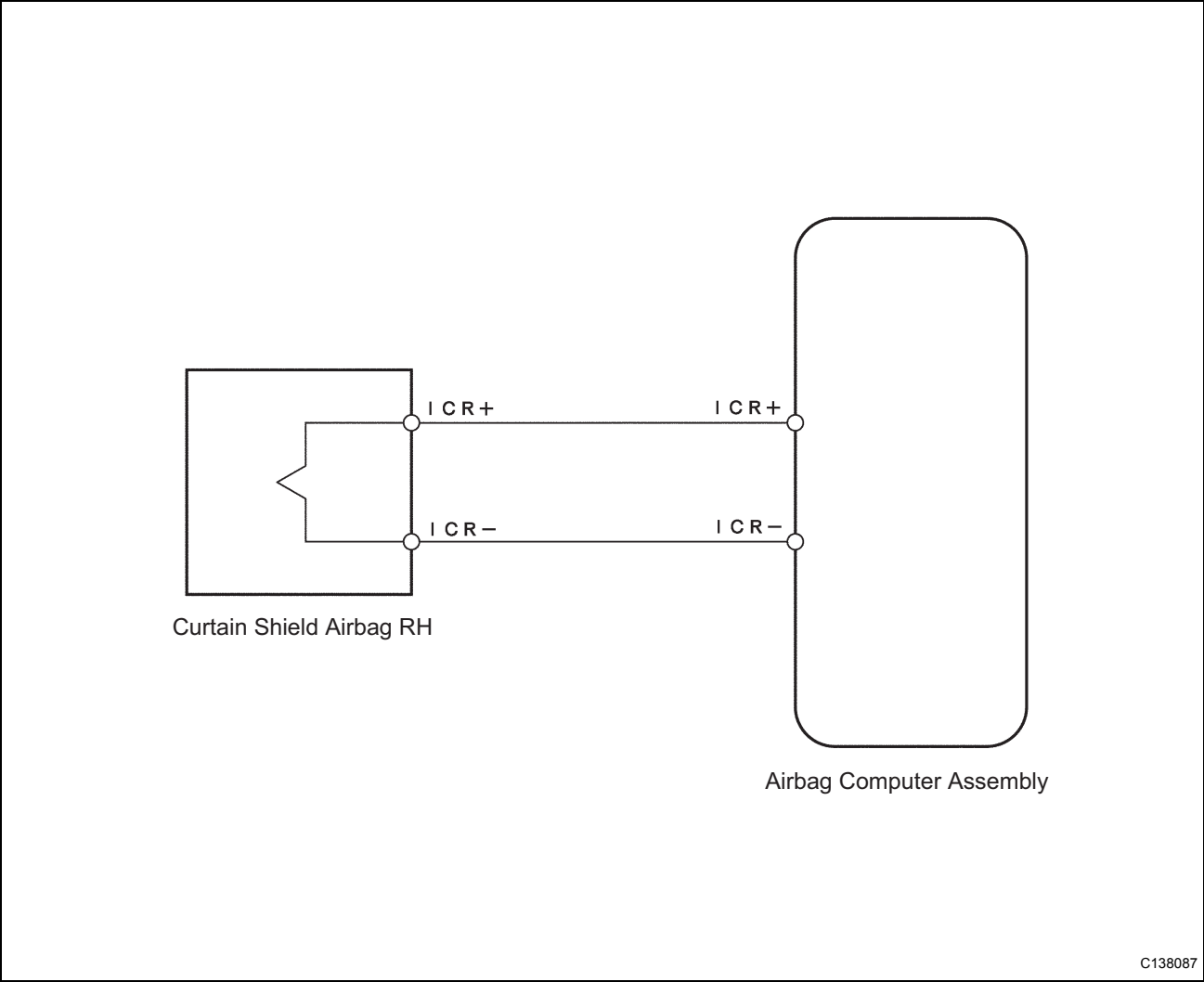
The curtain shield airbag RH igniter circuit consists of the airbag computer assembly and the curtain shield airbag RH. The curtain shield airbag RH operates when the deployment conditions are met.

When an open circuit is detected in the curtain shield airbag RH igniter circuit (ICR+, ICR- line), DTC B1831/84 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1831/84	- Open circuit of the ICR+ and ICR-lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly RH - Curtain shield airbag RH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag RH)

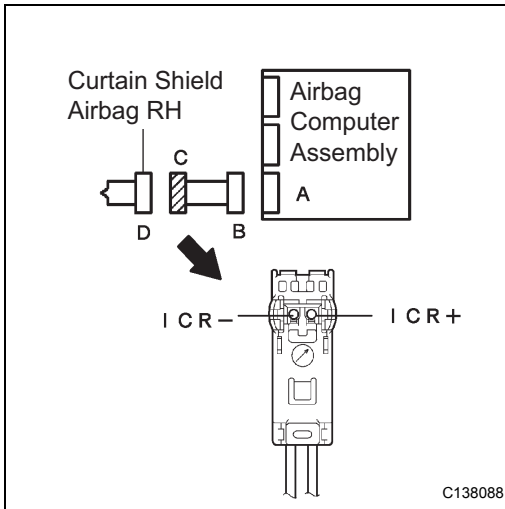
CIRCUIT DIAGRAM



INSPECTION PROCEDURE

- HINT:
- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT CURTAIN SHIELD AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

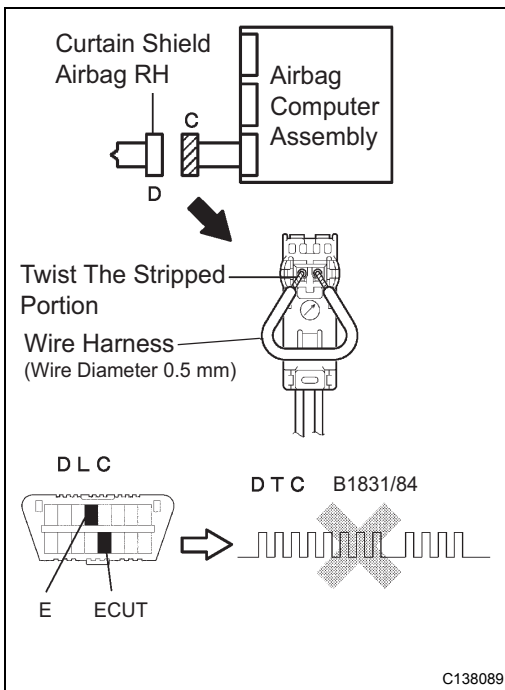
- (b) Disconnect the connectors from the airbag computer assembly and the curtain shield airbag RH.
- (c) Using a tester, touch terminals ICR+ and ICR- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals ICR+ and ICR- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 84 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1831 is not output.

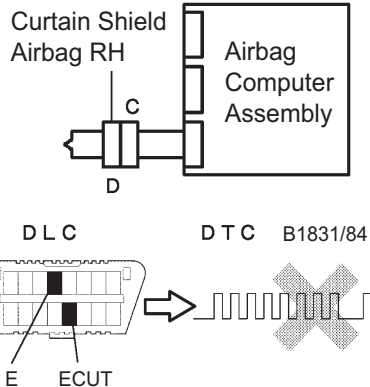
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT CURTAIN SHIELD AIRBAG RH IGNITER



C138090

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between ICR+ and ICR- of connector C and connect the connectors to the curtain shield airbag RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 84 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1831 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG RH

OK

PERFORM REPRODUCTION METHOD

DTC	B1832/81	Ground Short Circuit in Right Side Curtain Igniter
------------	-----------------	---

DESCRIPTION

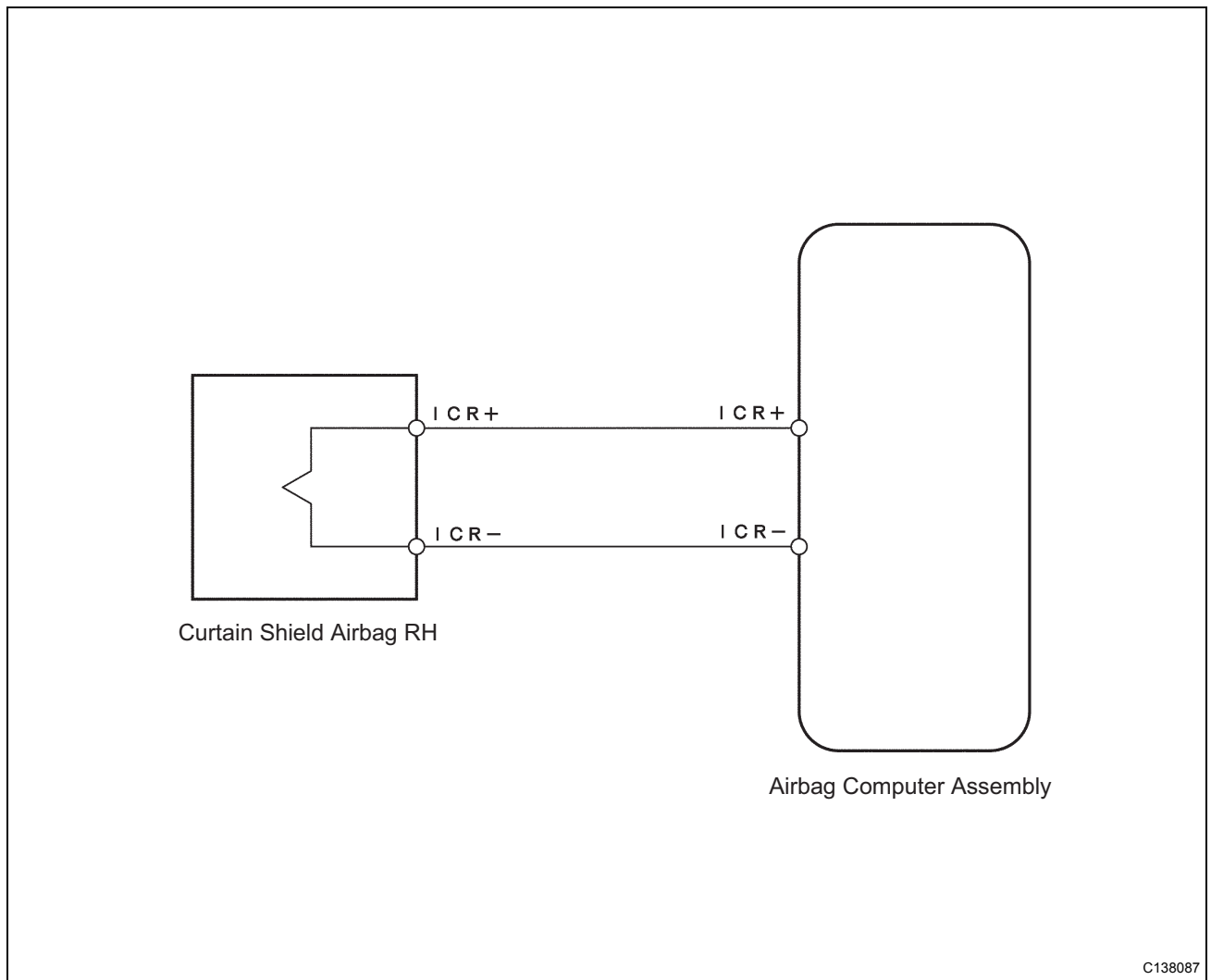
The curtain shield airbag RH igniter circuit consists of the airbag computer assembly and the curtain shield airbag RH. The curtain shield airbag RH operates when the deployment conditions are met.

When a ground short is detected in the curtain shield airbag RH igniter circuit (ICR+, ICR- line), DTC B1832/82 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1832/82	- Ground short circuit of the ICR+ and ICR-lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly RH - Curtain shield airbag RH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag RH)

CIRCUIT DIAGRAM



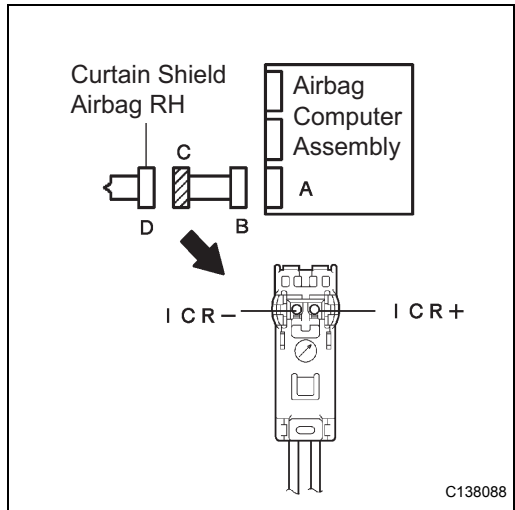
INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1	INSPECT CURTAIN SHIELD AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)
---	--



OK

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the curtain shield airbag RH.
- (c) Using a tester, measure the resistance between terminals ICR+ and ICR- of connector C, and the body ground.

Standard:

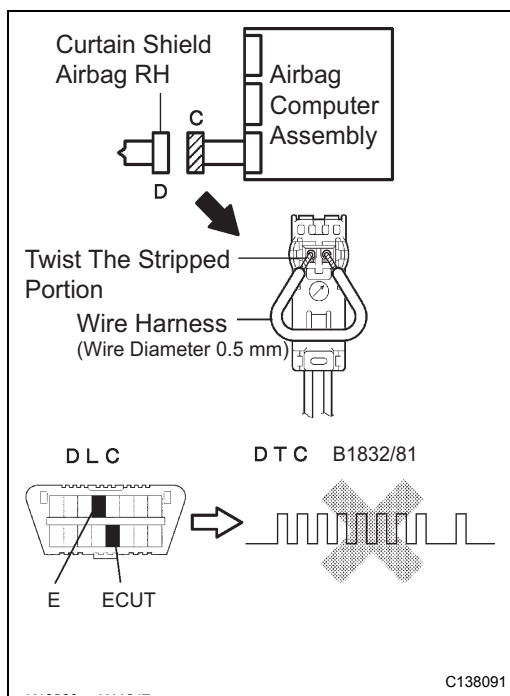
1 MΩ or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)

2

INSPECT AIRBAG COMPUTER ASSEMBLY



OK

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals ICR+ and ICR- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 81 is not output.

- (2) When reading the code using the DS-II:

Standard:

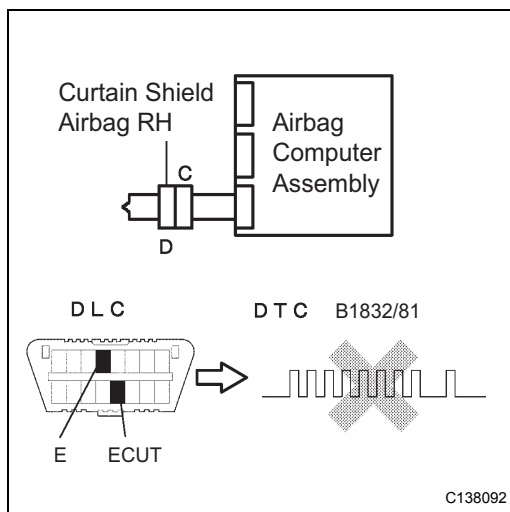
DTC B1832 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

3

INSPECT CURTAIN SHIELD AIRBAG RH IGNITER



OK

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between ICR+ and ICR- of connector C and connect the connectors to the curtain shield airbag RH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 81 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1832 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG RH**PERFORM REPRODUCTION METHOD**

DTC	B1833/82	Power Supply Short Circuit in Right Side Curtain Igniter
-----	----------	--

DESCRIPTION

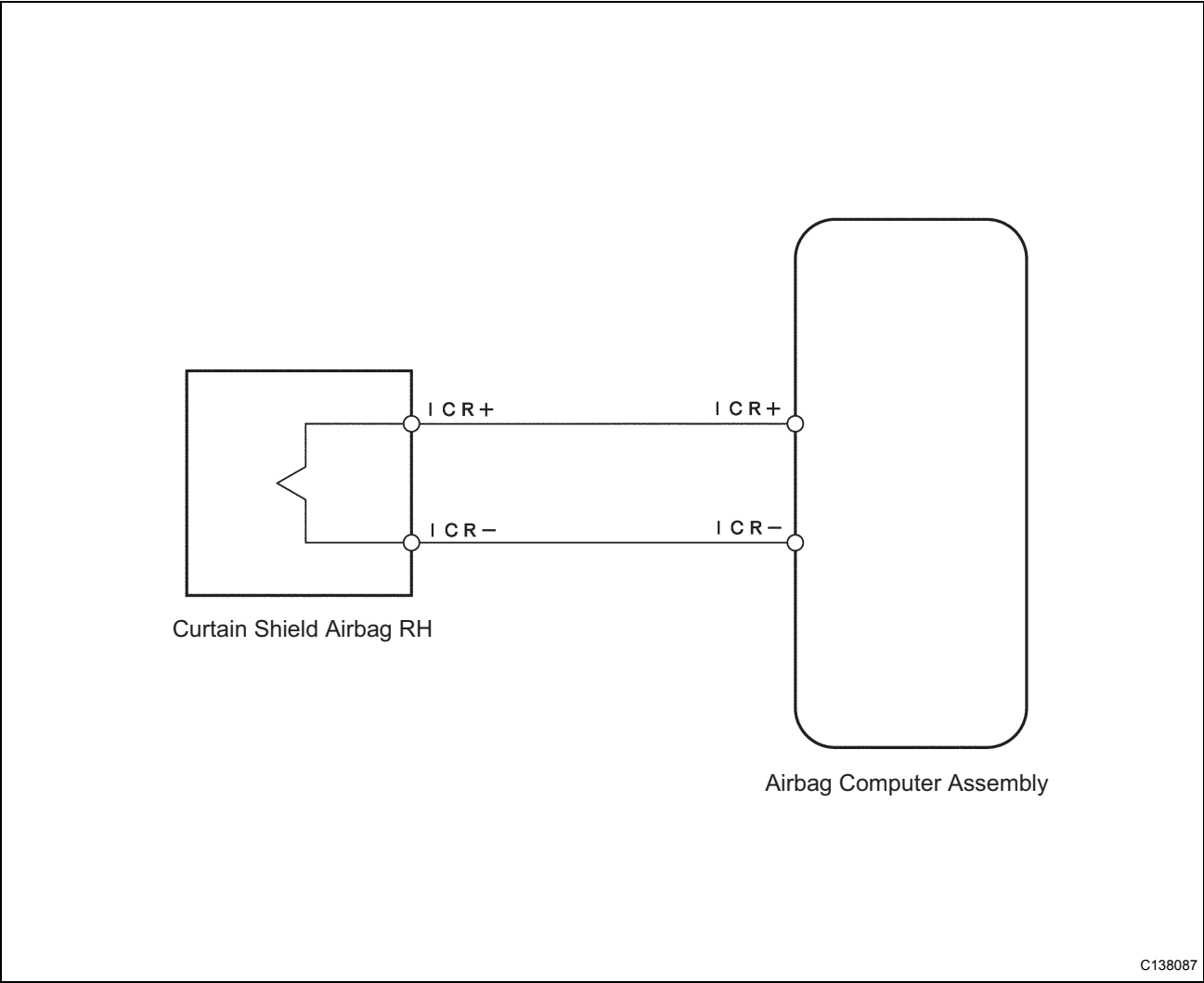
The curtain shield airbag RH igniter circuit consists of the airbag computer assembly and the curtain shield airbag RH. The curtain shield airbag RH operates when the deployment conditions are met.

RS

When a +B short is detected in the curtain shield airbag RH igniter circuit (ICR+, ICR- line), DTC B1833/82 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1833/82	+B short circuit of the ICR+ and ICR-lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly RH - Curtain shield airbag RH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag RH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag RH)

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1
INSPECT CURTAIN SHIELD AIRBAG RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

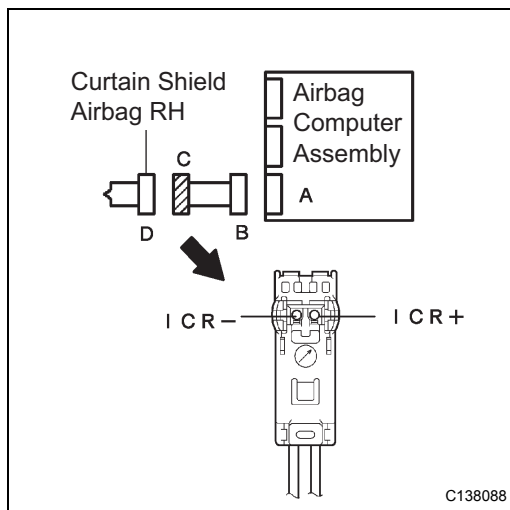
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the curtain shield airbag RH.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, measure the resistance between terminals ICR+ and ICR- of connector C, and the body ground.

Standard:

1Ω or less


NG

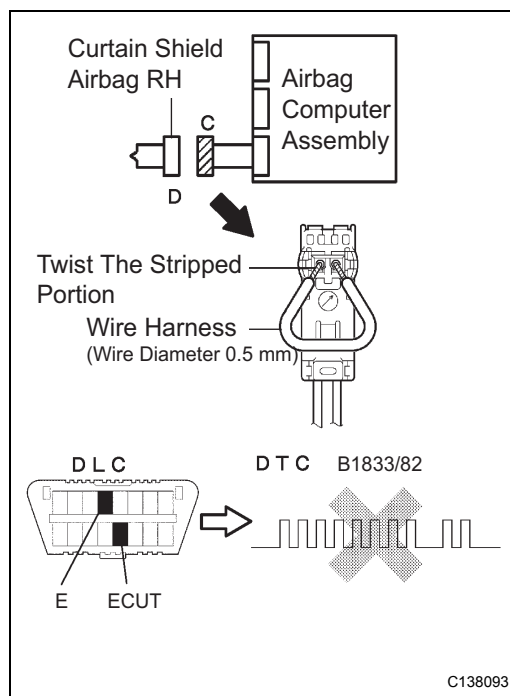
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG RH)

OK

2

INSPECT AIRBAG COMPUTER ASSEMBLY

RS



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals ICR+ and ICR- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
 - Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
- When reading the code using the warning lights:

Standard:

DTC 82 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1833 is not output.

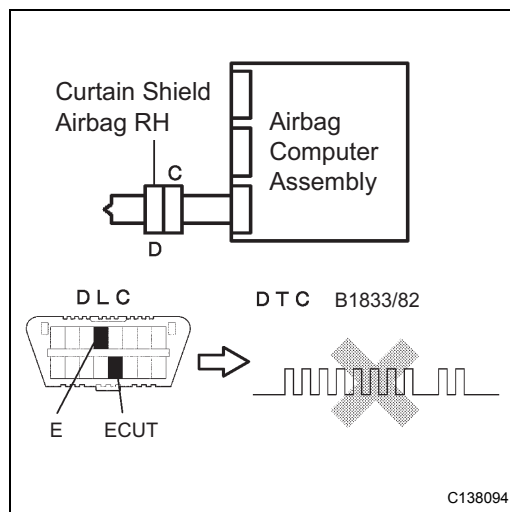
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT CURTAIN SHIELD AIRBAG RH IGNITER



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between ICR+ and ICR- of connector C and connect the connectors to the curtain shield airbag RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 82 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1833 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG RH

OK

PERFORM REPRODUCTION METHOD

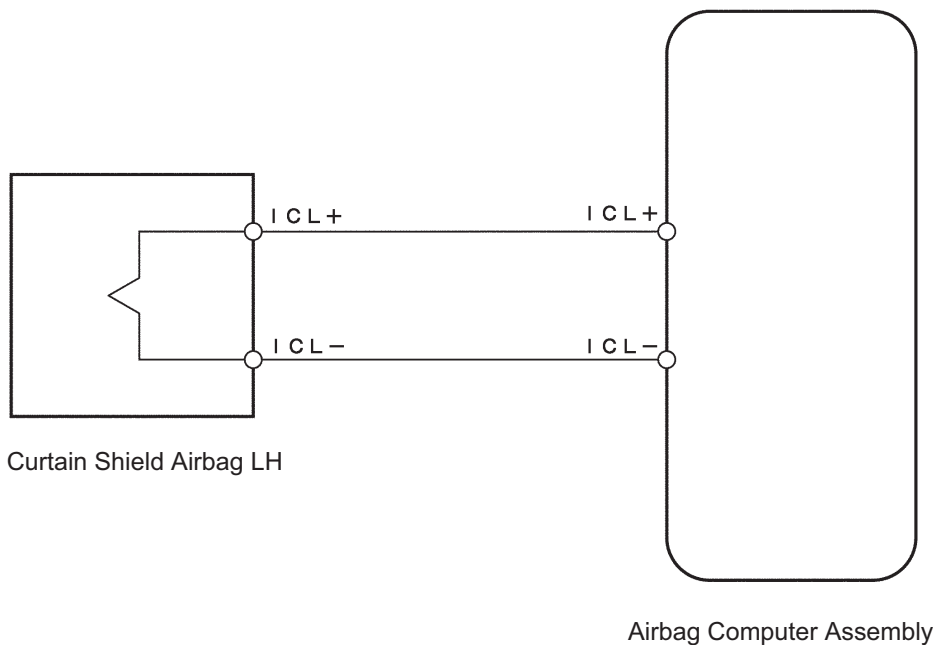
DTC**B1835/87****Short Circuit between Left Side Curtain Igniter Lines****DESCRIPTION**

The curtain shield airbag LH igniter circuit consists of the airbag computer assembly and the curtain shield airbag LH. The curtain shield airbag LH operates when the deployment conditions are met.

When a short is detected in the curtain shield airbag LH igniter igniter (ICL+, ICL- line), DTC B1836/87 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1836/87	- Short circuit of the ICR+ and ICR- lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly LH - Curtain shield airbag LH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag LH)

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

CHECK CURTAIN SHIELD AIRBAG CONNECTORS

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connector from the curtain shield airbag LH.
(c) Check that there is no damage to the curtain shield airbag LH connectors.

Standard:

The locking button of the connector has not moved out of position.

The claws of the locking button have no deformation or other damage.

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (CURTAIN SHIELD AIRBAG CONNECTOR)

OK
2

INSPECT CURTAIN SHIELD AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)

HINT:

For inspection procedures and precautions, see page IN-38.

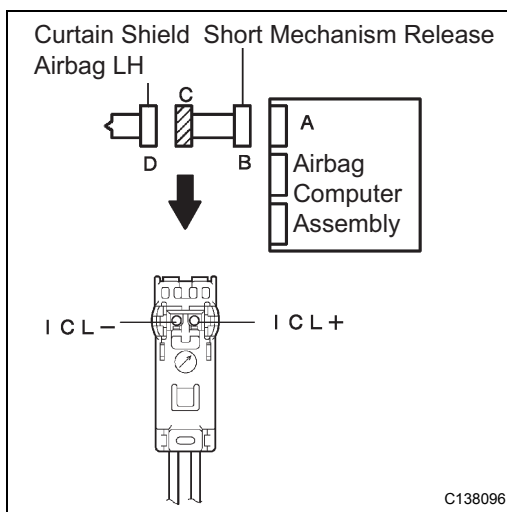
- (a) Disconnect the connectors from the airbag computer assembly.
(b) Release the short circuiting mechanism of connector B (ICL+, ICL-).
(c) Using a tester, touch terminals ICL+ and ICL- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1 MΩ or higher

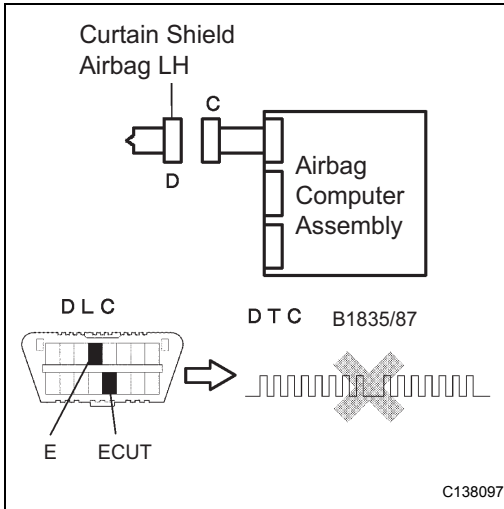
NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)


OK

3

INSPECT AIRBAG COMPUTER ASSEMBLY



- (a) Connect the connectors to the airbag computer assembly.
- (b) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (c) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
 - (1) When reading the code using the warning lights:

Standard:

DTC 87 is not output.
 - (2) When reading the code using the DS-II:

Standard:

DTC B1836 is not output.

RS

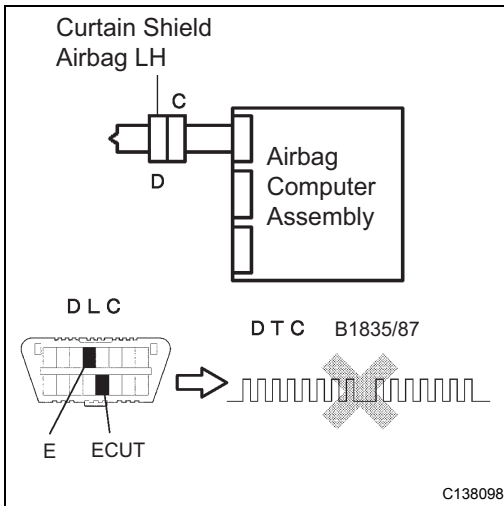
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

4

INSPECT CURTAIN SHIELD AIRBAG LH IGNITER



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connector to the curtain shield airbag LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - (1) When reading the code using the warning lights:

Standard:

DTC 87 is not output.
 - (2) When reading the code using the DS-II:

Standard:

DTC B1836 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG LH

OK

PERFORM REPRODUCTION METHOD

DTC	B1836/88	L side curtain ignition system open circuit
-----	----------	---

DESCRIPTION

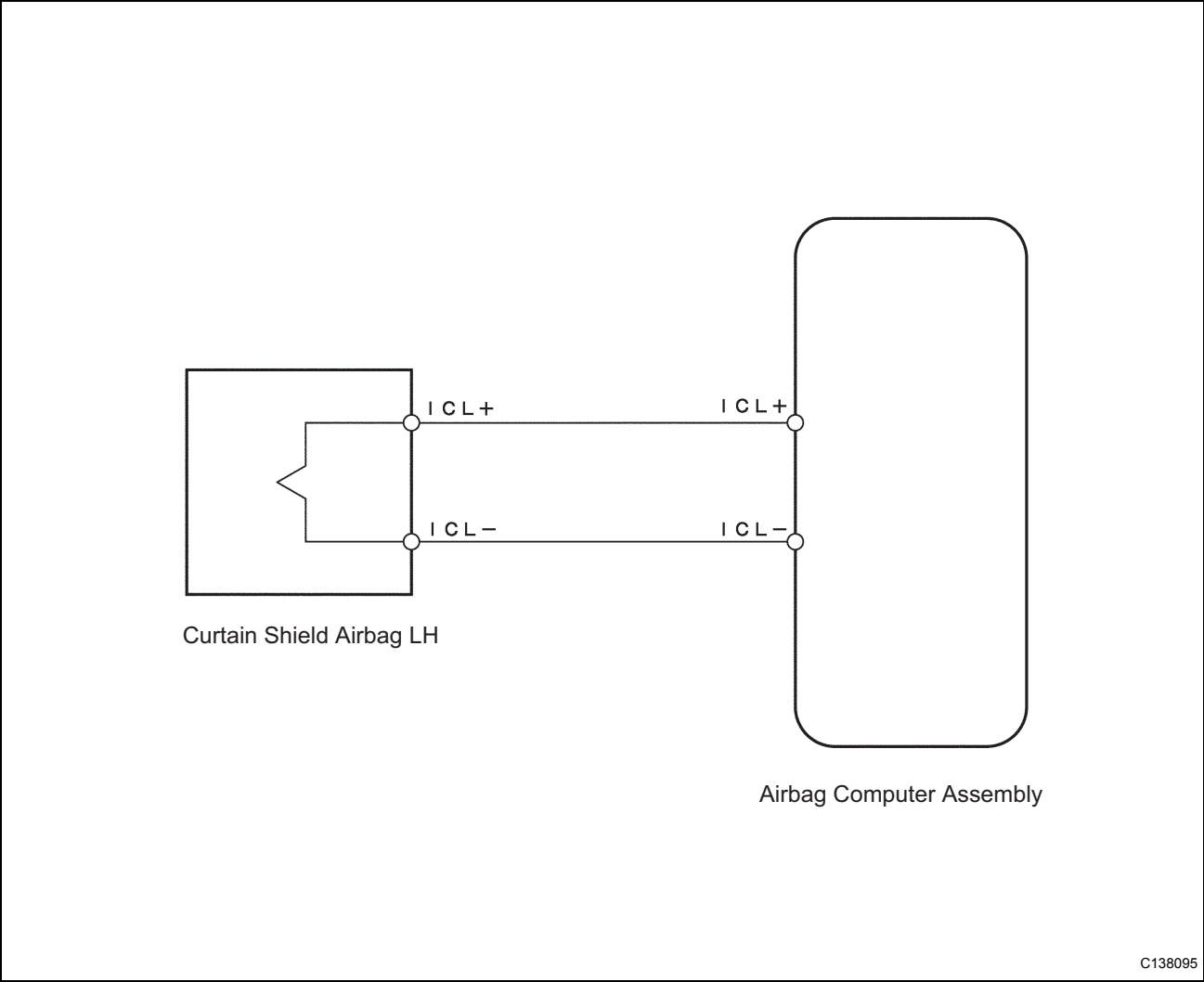
The curtain shield airbag LH igniter circuit consists of the airbag computer assembly and the curtain shield airbag LH. The curtain shield airbag LH operates when the deployment conditions are met.

When an open circuit is detected in the curtain shield airbag LH igniter circuit (ICL+, ICL- line), DTC B1836/88 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1836/88	- Open circuit of the ICR+ and ICR- lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly LH - Curtain shield airbag LH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag LH)

CIRCUIT DIAGRAM

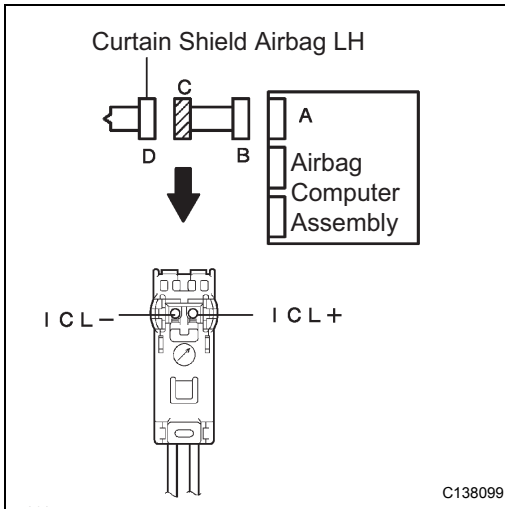


INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT CURTAIN SHIELD AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)**

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

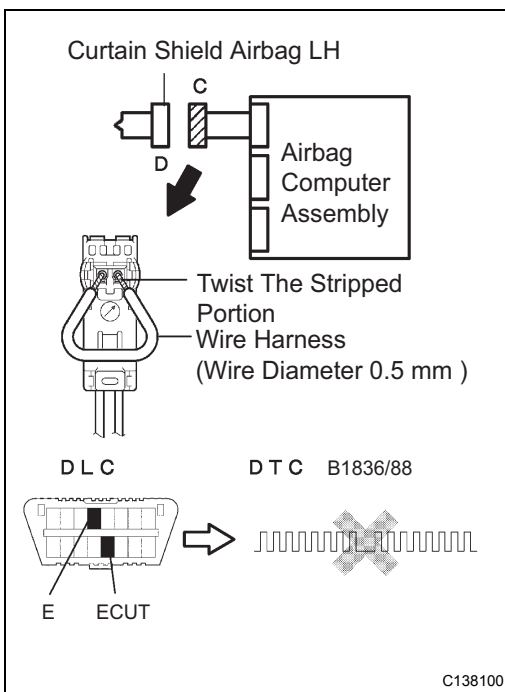
- (b) Disconnect the connectors from the airbag computer assembly and curtain shield airbag LH.
- (c) Using a tester, touch terminals ICL+ and ICL- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals ICL+ and ICL- of connector C.

NOTICE:**When short circuiting, do not insert the wire harness into the connector terminals with force.**

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 88 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1166 is not output.

NG

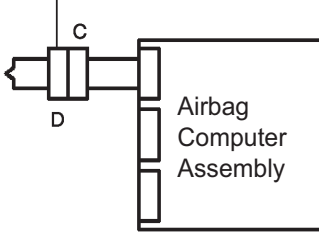
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

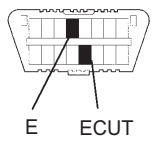
3

INSPECT CURTAIN SHIELD AIRBAG LH IGNITER

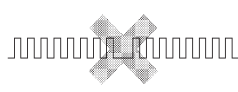
Curtain Shield Airbag LH



D L C



D T C B1836/88



C138101

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between ICL+ and ICL- of connector C and connect the connectors to the curtain shield airbag LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - (1) When reading the code using the warning lights:
Standard:
 DTC 88 is not output.
 - (2) When reading the code using the DS-II:
Standard:
 DTC B1836 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG LH

OK

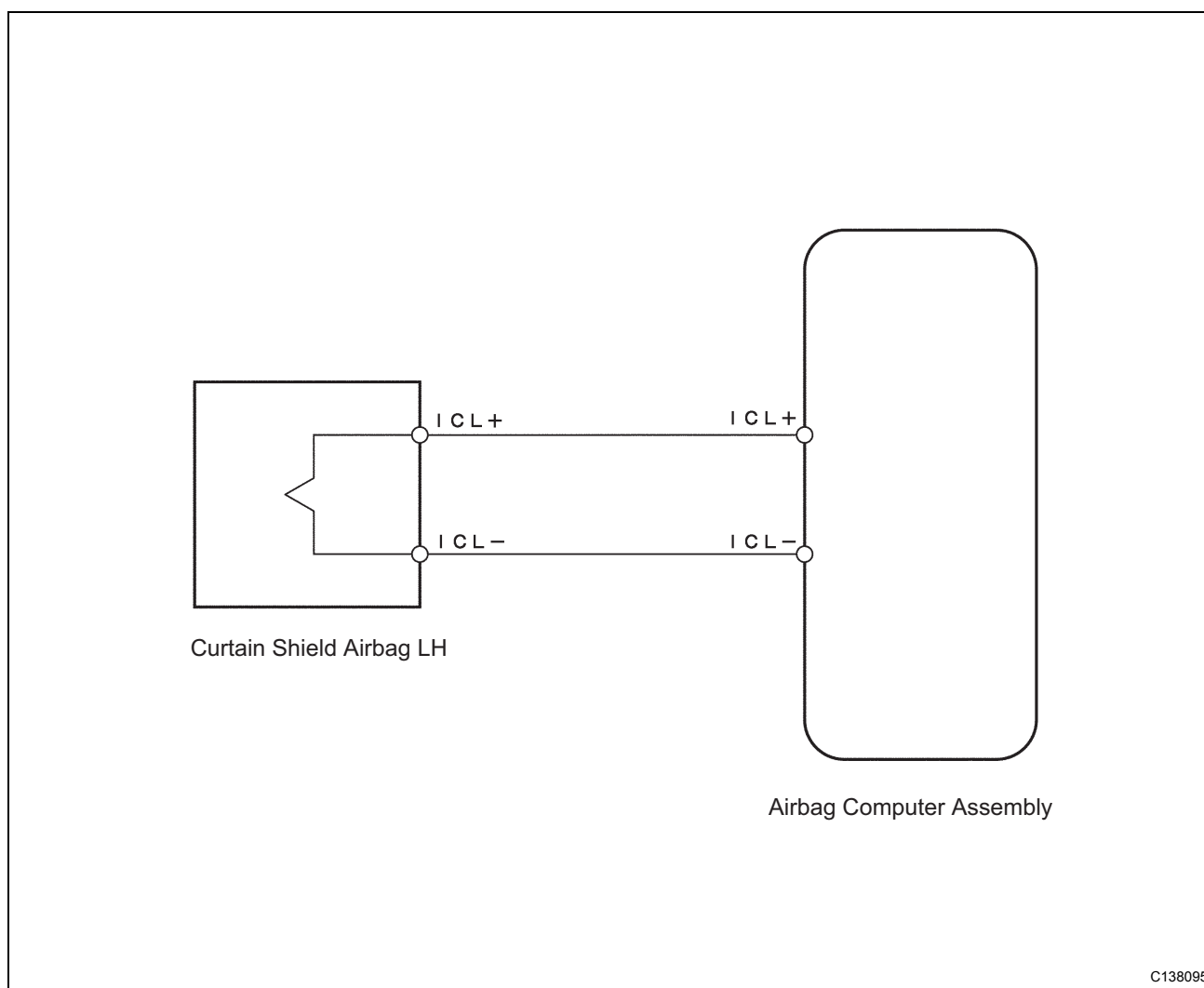
PERFORM REPRODUCTION METHOD

DTC**B1837/85****Ground Short Circuit in Left Side Curtain Igniter****DESCRIPTION**

The curtain shield airbag LH igniter circuit consists of the airbag computer assembly and the curtain shield airbag LH. The curtain shield airbag LH operates when the deployment conditions are met.

When a ground short is detected in the curtain shield airbag LH igniter circuit (ICL+, ICL- line), DTC B1837/85 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1837/85	- Short circuit of the ICR+ and ICR- lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly LH - Curtain shield airbag LH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag LH)

RS**CIRCUIT DIAGRAM**

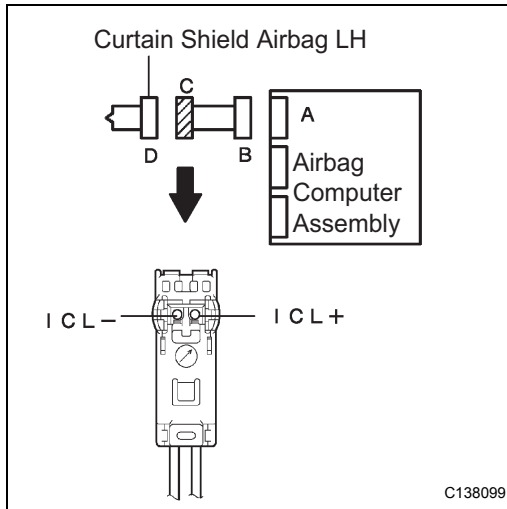
C138095

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)

- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1**INSPECT CURTAIN SHIELD AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)****RS****HINT:**

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

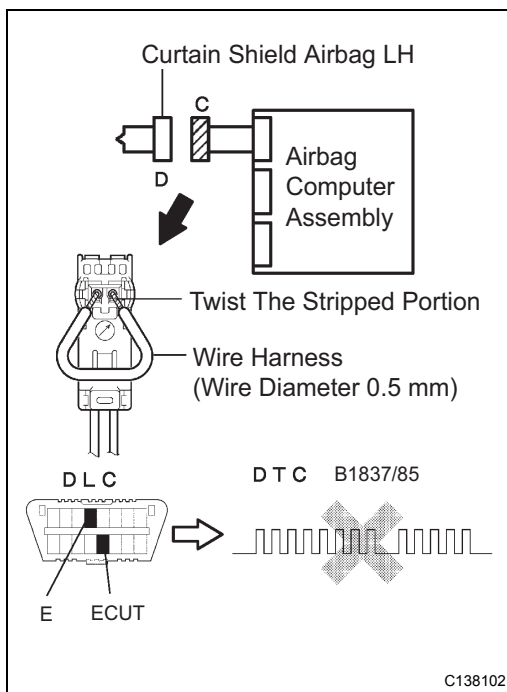
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and curtain shield airbag LH.
- (c) Using a tester, measure the resistance between terminals ICL+ and ICL- of connector C and the body ground.

Standard:1 M Ω or higher**NG**

**REPAIR OR REPLACE FLOOR WIRE NO. 2
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND CURTAIN SHIELD AIRBAG
LH)**

OK**2****INSPECT AIRBAG COMPUTER ASSEMBLY**

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals ICL+ and ICL- of connector C.

NOTICE:**When short circuiting, do not insert the wire harness into the connector terminals with force.**

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 85 is not output.

- (2) When reading the code using the DS-II:

Standard:

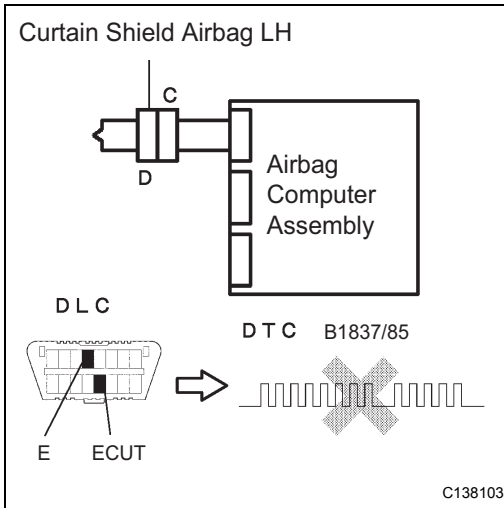
DTC B1837 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3 INSPECT CURTAIN SHIELD AIRBAG LH IGNITER



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between ICL+ and ICL- of connector C and connect the connectors to the curtain shield airbag LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - (1) When reading the code using the warning lights:

Standard:

DTC 85 is not output.
 - (2) When reading the code using the DS-II:

Standard:

DTC B1837 is not output.

RS

NG

REPLACE CURTAIN SHIELD AIRBAG LH

OK

PERFORM REPRODUCTION METHOD

DTC	B1838/86	Power Supply Short Circuit in Left Side Curtain Igniter
-----	----------	---

DESCRIPTION

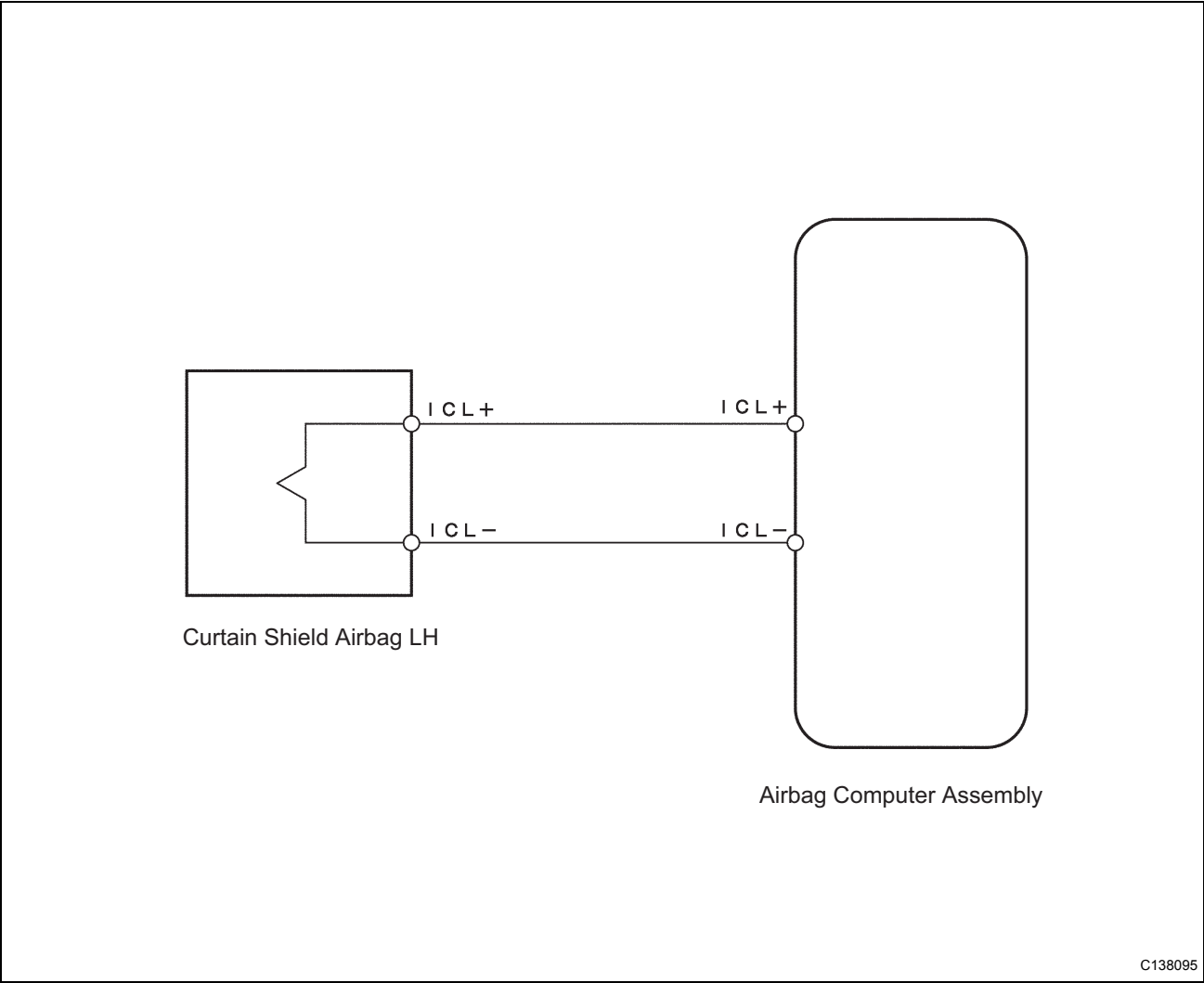
The curtain shield airbag LH igniter circuit consists of the airbag computer assembly and the curtain shield airbag LH. The curtain shield airbag LH operates when the deployment conditions are met.

RS

When a B+ short is detected in the curtain shield airbag LH igniter circuit (ICL+, ICL- line), DTC B1838/86 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1838/86	- Ground short circuit of the ICR+ and ICR- lines of the wire harness between the airbag computer assembly and the curtain shield airbag assembly LH - Curtain shield airbag LH malfunction - Airbag computer assembly malfunction	- Curtain shield airbag LH - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and curtain shield airbag LH)

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

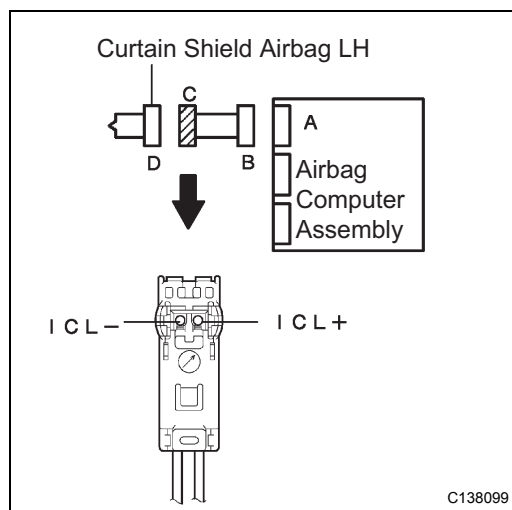
HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1

INSPECT CURTAIN SHIELD AIRBAG LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)



HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and curtain shield airbag LH.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, check the voltage between terminals ICL+ and ICL- of connector C and the body ground.

Standard:

1 V or less

NG

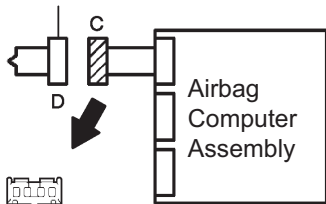
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND CURTAIN SHIELD AIRBAG LH)

OK

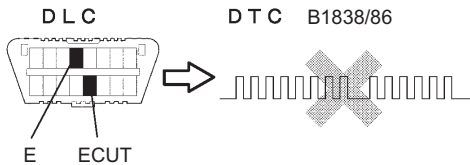
2

INSPECT AIRBAG COMPUTER ASSEMBLY

Curtain Shield Airbag LH



Twist The Stripped Portion
Wire Harness
Wire Diameter 0.5 mm)



C138104

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short circuit between terminals ICL+ and ICL- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
 - Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
- When reading the code using the warning lights:

Standard:

DTC 86 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1838 is not output.

NG

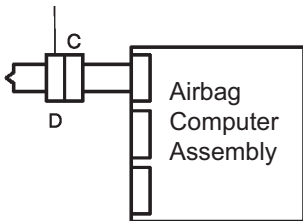
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

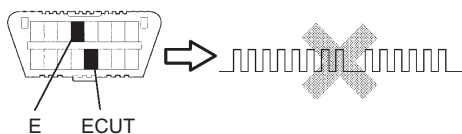
3

INSPECT CURTAIN SHIELD AIRBAG LH IGNITER

Curtain Shield Airbag LH



D L C D T C B1838/86



C138105

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between ICL+ and ICL- of connector C and connect the connectors to the curtain shield airbag LH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 86 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1838 is not output.

NG

REPLACE CURTAIN SHIELD AIRBAG LH

OK

PERFORM REPRODUCTION METHOD

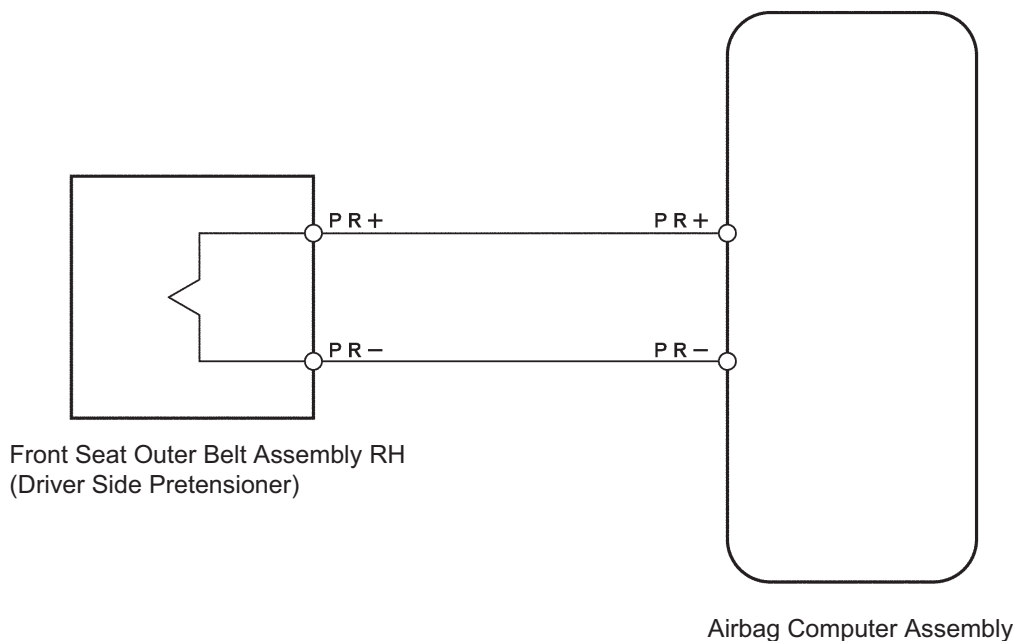
DTC**B1900/63****Short Circuit between Front Right Seat Pretensioner Lines****DESCRIPTION**

The front pretensioner RH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly RH (driver seat side pretensioner). The pretensioner RH operates when the deployment conditions are met.

When a short is detected in the front pretensioner RH igniter circuit (PR+, PR- line), DTC B1900/63 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1900/63	- Short to the PR+ and PR- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly RH (driver seat side pretensioner) - Front seat outer belt assembly RH (driver seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly RH (driver seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly RH [driver seat side pretensioner])

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

CHECK PRETENSIONER CONNECTOR

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connector from the pretensioner RH.
(c) Check that there is no damage to the pretensioner connector.

Standard:

The locking button of the connector has not moved out of position.

The claws of the locking button have no deformation or other damage.

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (PRETENSIONER CONNECTOR)

OK
2

INSPECT FRONT PRETENSIONER RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)

HINT:

For inspection procedures and precautions, see page IN-38.

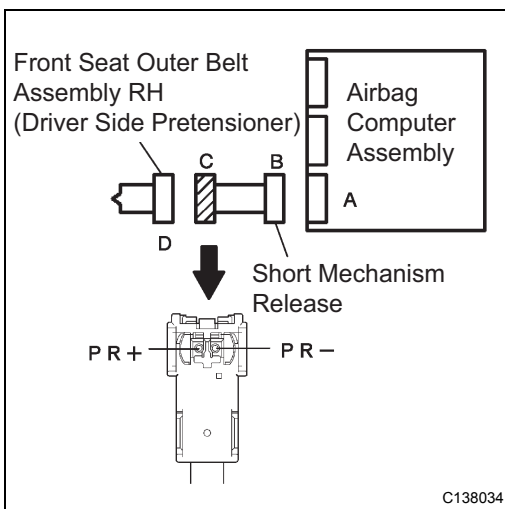
- (a) Disconnect the connectors from the airbag computer assembly.
(b) Release the short circuiting mechanism of connector B (PR+, PR-).
(c) Using a tester, touch terminals PR+ and PR- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1 MΩ or higher

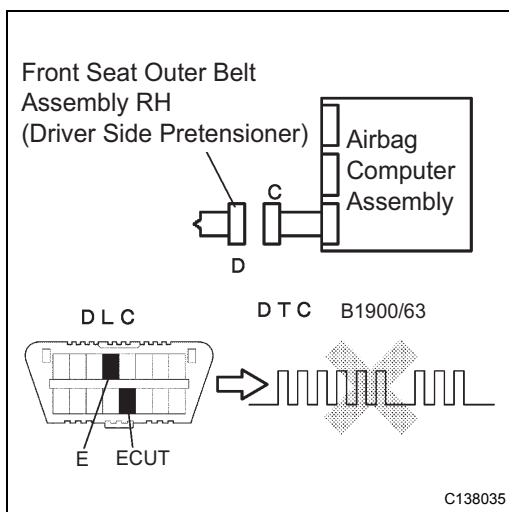
NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)


OK

3

INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
 - When reading the code using the warning lights:

Standard:

DTC 63 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1900 is not output.

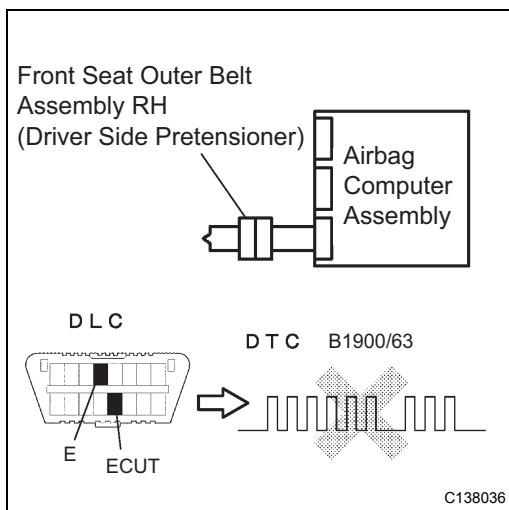
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

4

INSPECT FRONT PRETENSIONER RH IGNITER



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connector to the pretensioner RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 63 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1900 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY RH

OK

PERFORM REPRODUCTION METHOD

DTC	B1901/64	Open Circuit in Front Right Seat Pretensioner
-----	----------	---

DESCRIPTION

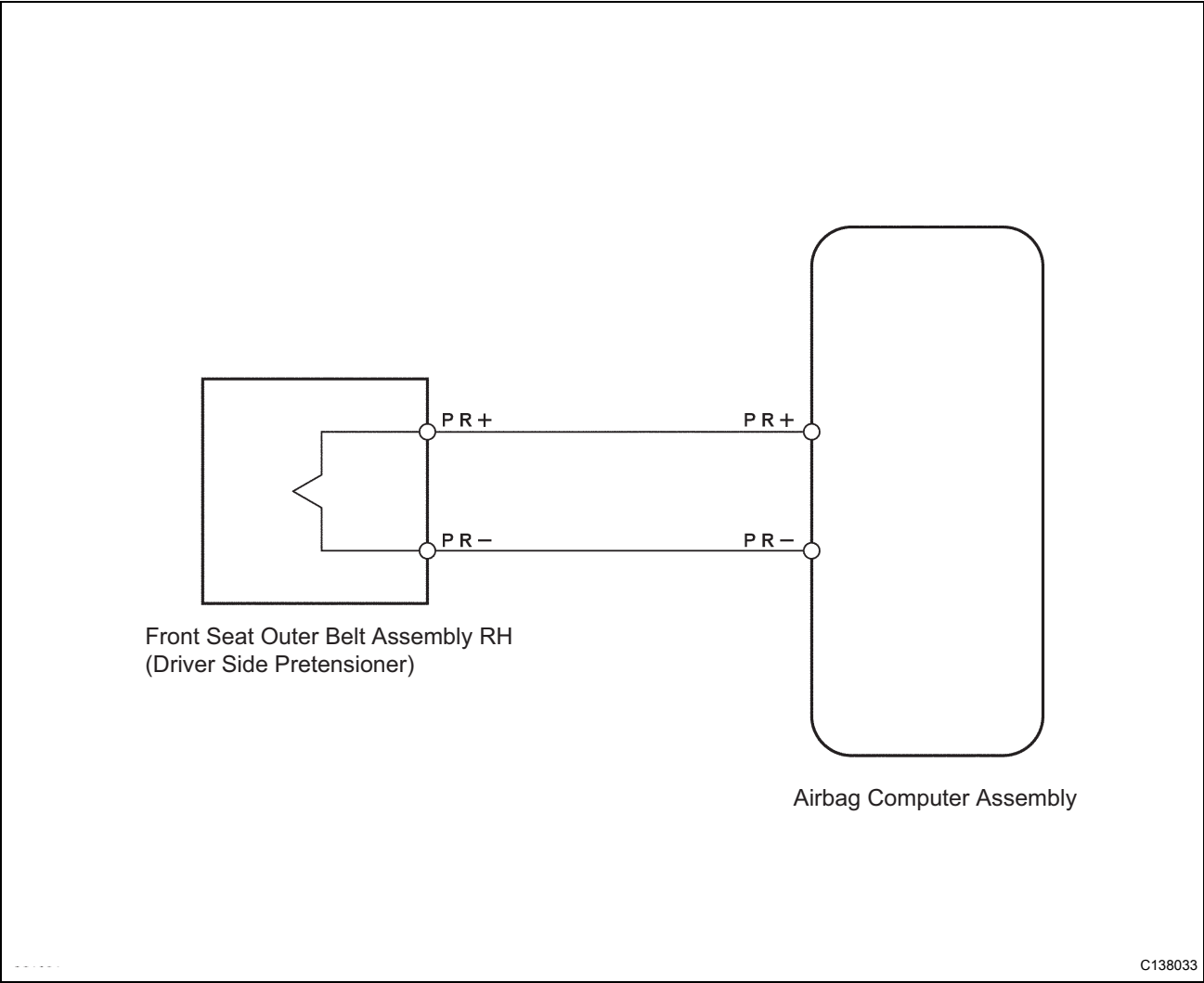
The front pretensioner RH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly RH (driver seat side pretensioner). The pretensioner RH operates when the deployment conditions are met.

When an open circuit is detected in the front pretensioner RH igniter circuit (PR+, PR- line), DTC B1901/64 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1901/64	- Open circuit to the PR+ and PR- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly RH (driver seat side pretensioner) - Front seat outer belt assembly RH (driver seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly RH (driver seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly RH [driver seat side pretensioner])

CIRCUIT DIAGRAM



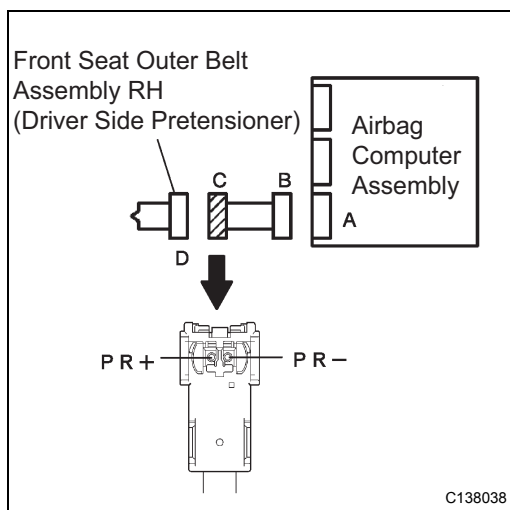
INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

INSPECT FRONT PRETENSIONER RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)


OK

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the pretensioner RH.
- (c) Using a tester, touch terminals PR+ and PR- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1Ω or less

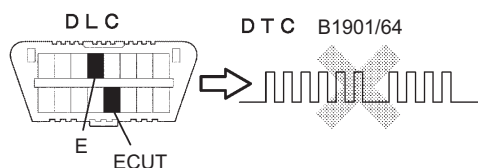
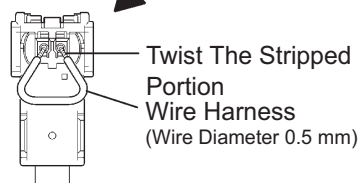
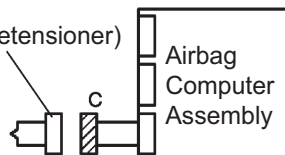
NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)

2

INSPECT AIRBAG COMPUTER ASSEMBLY

Front Seat Outer Belt
Assembly RH
(Driver Side Pretensioner)



C138039

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals PR+ and PR- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 64 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1901 is not output.

NG

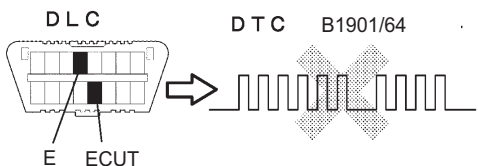
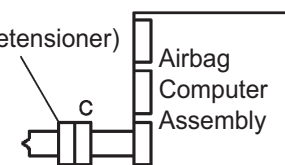
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT PRETENSIONER RH IGNITER

Front Seat Outer Belt
Assembly RH
(Driver Side Pretensioner)



C138040

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between PR+ and PR- of connector C and connect the connectors to the pretensioner RH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 64 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1901 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY RH

OK

PERFORM REPRODUCTION METHOD

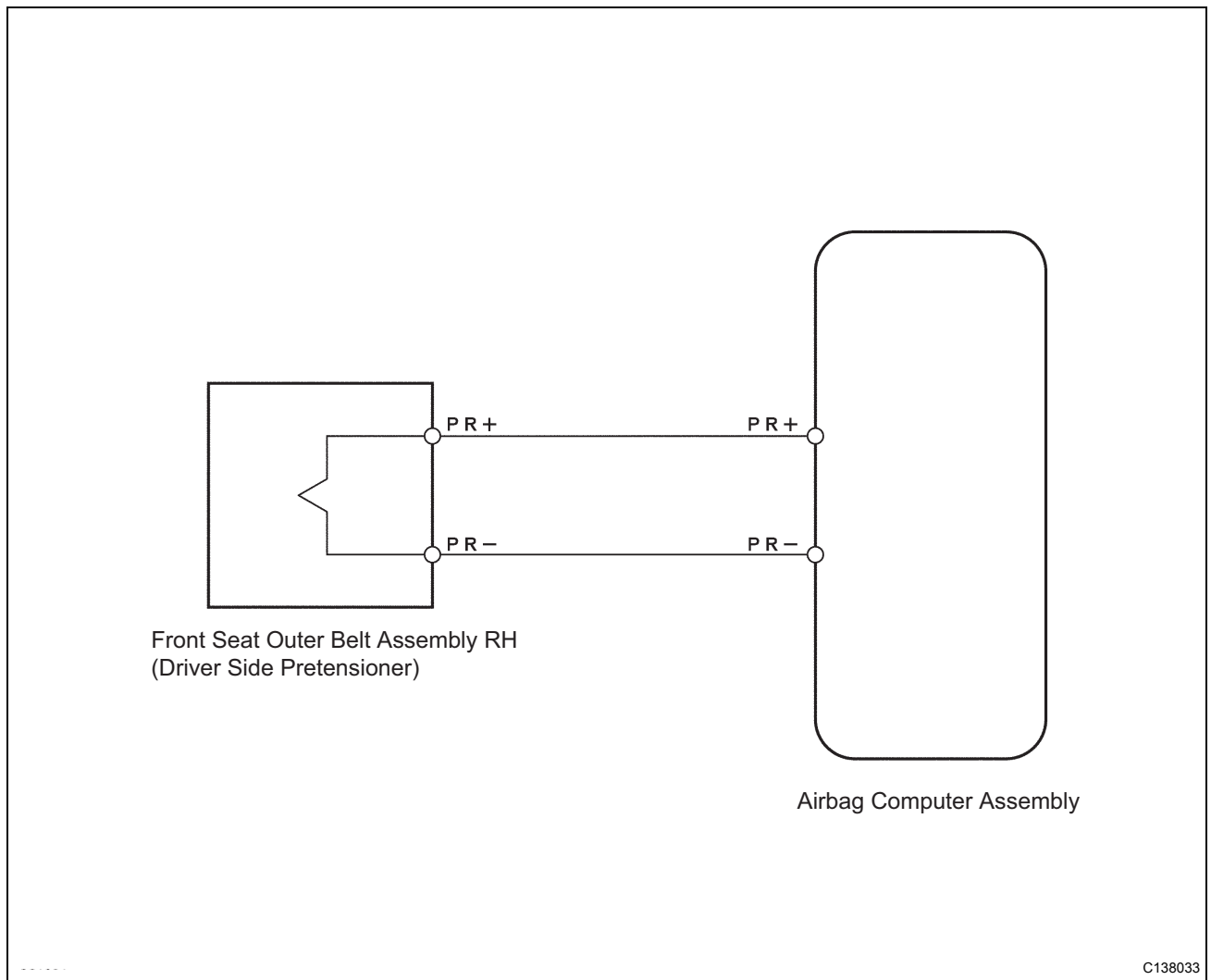
DTC**B1902/61****Ground Short in Front Right Seat Pretensioner****DESCRIPTION**

The front pretensioner RH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly RH (driver seat side pretensioner). The pretensioner RH operates when the deployment conditions are met.

When a ground short is detected in the front pretensioner RH igniter circuit (PR+, PR- line), DTC B1902/61 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1902/61	- A ground short to the PR+ and PR- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly RH (driver seat side pretensioner) - Front seat outer belt assembly RH (driver seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly RH (driver seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly RH [driver seat side pretensioner])

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1
INSPECT FRONT PRETENSIONER RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

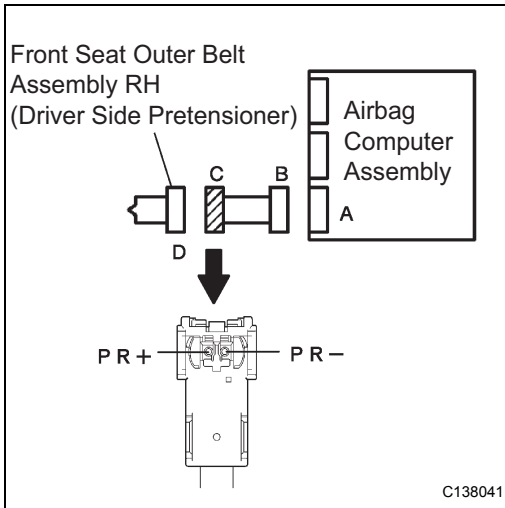
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the pretensioner RH.
- (c) Using a tester, measure the resistance between terminals PR+ and PR- of connector C, and the body ground.

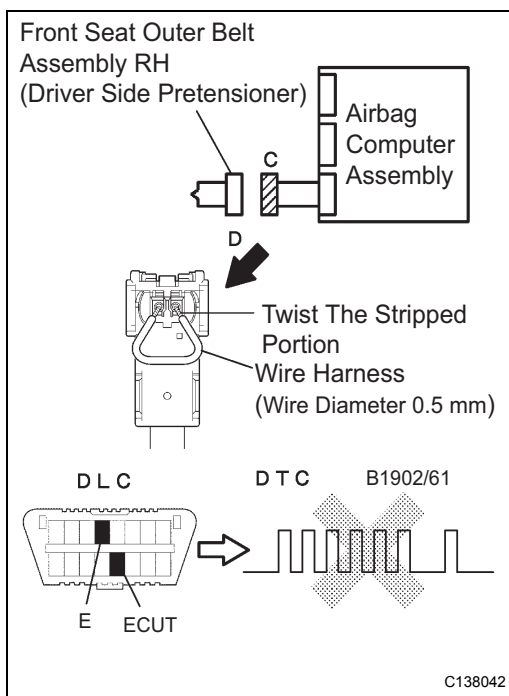
Standard:

1 MΩ or higher


OK
NG
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)

2

INSPECT AIRBAG COMPUTER ASSEMBLY



OK

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals PR+ and PR- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 61 is not output.

- (2) When reading the code using the DS-II:

Standard:

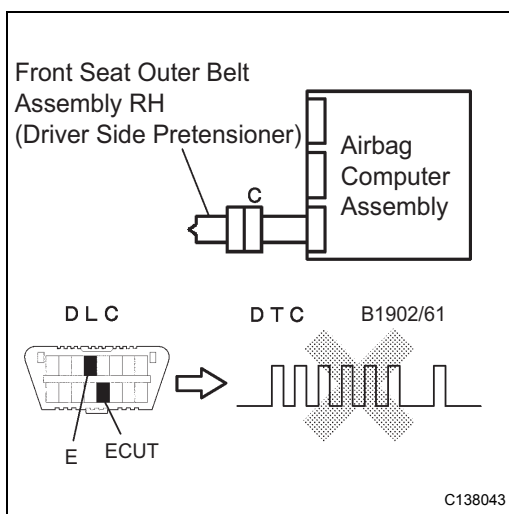
DTC B1902 is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

3

INSPECT FRONT PRETENSIONER RH IGNITER



OK

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between PR+ and PR- of connector C and connect the connectors to the pretensioner RH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 61 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1902 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY RH**PERFORM REPRODUCTION METHOD**

DTC	B1903/62	Power Supply Short Circuit in Front Right Seat Pretensioner
-----	----------	---

DESCRIPTION

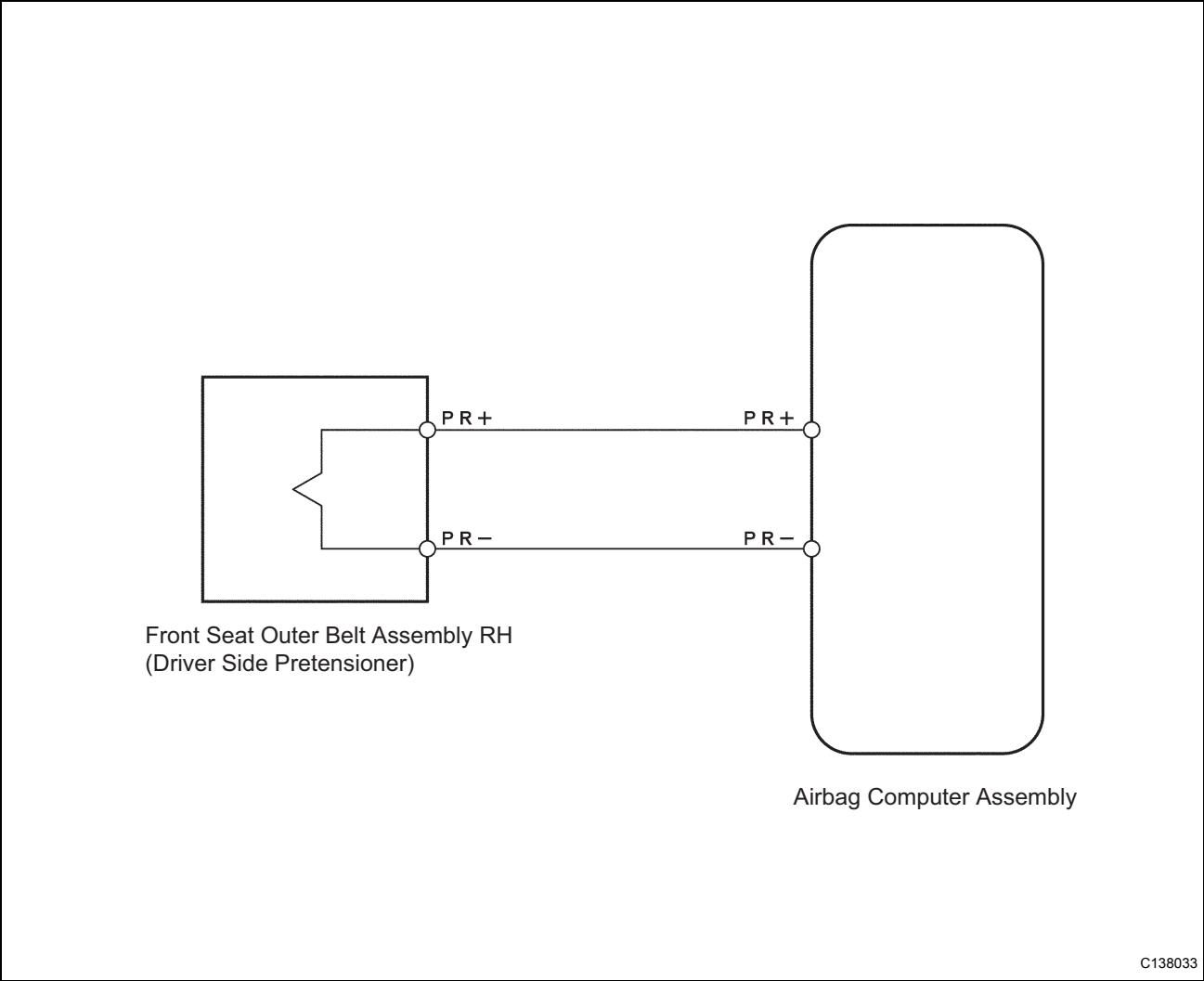
The front pretensioner RH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly RH (driver seat side pretensioner). The pretensioner RH operates when the deployment conditions are met.

RS

When a +B short is detected in the front pretensioner RH igniter circuit (PR+, PR- line), DTC B1903/62 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1903/62	- A ground short to the PR+ and PR- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly RH (driver seat side pretensioner) - Front seat outer belt assembly RH (driver seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly RH (driver seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly RH [driver seat side pretensioner])

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1
INSPECT FRONT PRETENSIONER RH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

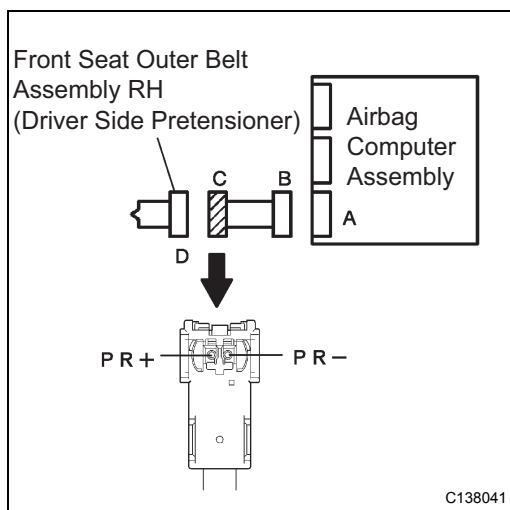
HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and the pretensioner RH.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, measure the voltage between terminals PR+ and PR- of connector C, and the body ground.

Standard:

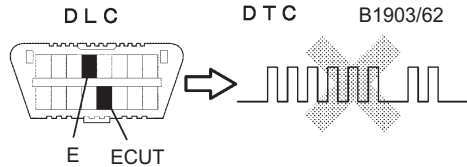
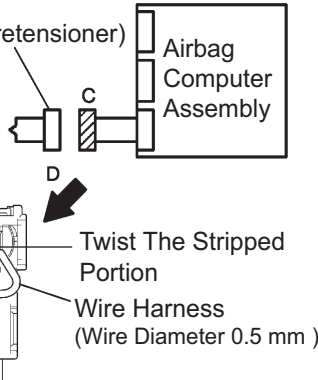
1 V or less


NG
REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY RH)
OK

2

INSPECT AIRBAG COMPUTER ASSEMBLY

Front Seat Outer Belt
Assembly RH
(Driver Side Pretensioner)



C138044

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connectors to the airbag computer assembly.
- Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals PR+ and PR- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- When reading the code using the warning lights:

Standard:

DTC 62 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1903 is not output.

NG

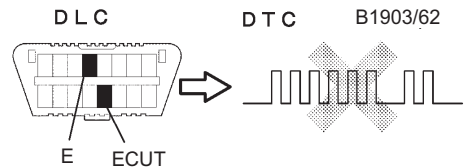
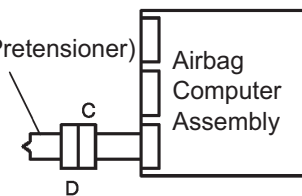
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT PRETENSIONER RH IGNITER

Front Seat Outer Belt
Assembly RH
(Driver Side Pretensioner)



C138045

- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Release the short circuit between PR+ and PR- of connector C and connect the connectors to the pretensioner RH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- When reading the code using the warning lights:

Standard:

DTC 62 is not output.

- When reading the code using the DS-II:

Standard:

DTC B1903 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY RH

OK

PERFORM REPRODUCTION METHOD

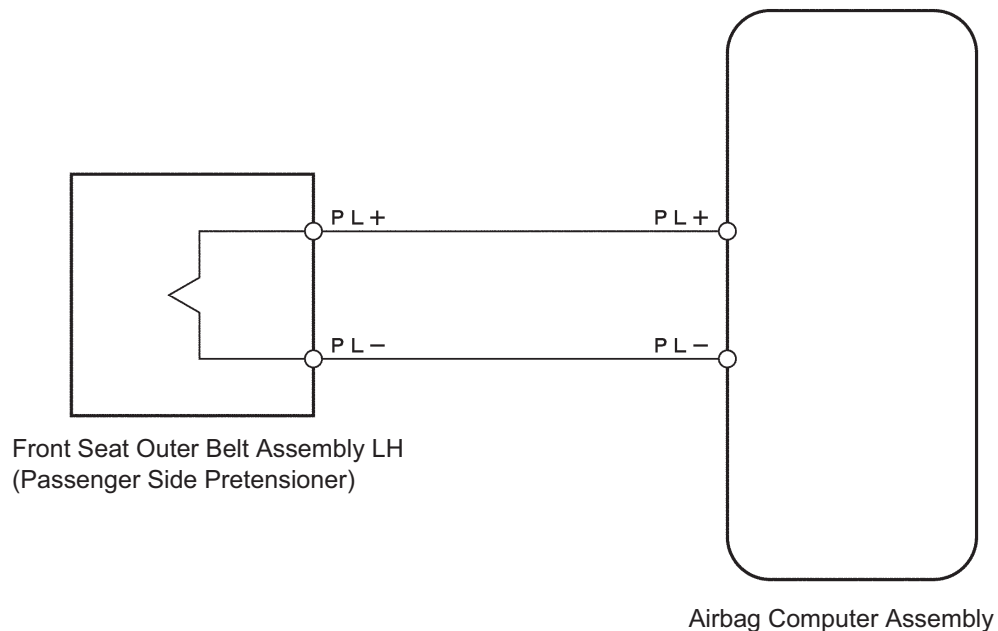
DTC**B1905/73****Short Circuit between Front Left Pretensioner Lines****DESCRIPTION**

The front pretensioner LH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly LH (passenger seat side pretensioner). The pretensioner LH operates when the deployment conditions are met.

When a short is detected in the front pretensioner LH igniter circuit (PL+, PL- line), DTC B1905/73 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1905/73	- Short to the PL+ and PL- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly LH (front passenger seat side pretensioner) - Front seat outer belt assembly LH (front passenger seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly LH (front passenger seat side pretensioner) - Airbag computer assembly - Floor wire (between the airbag computer assembly and the front seat outer belt assembly LH [front passenger seat side pretensioner])

CIRCUIT DIAGRAM

INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page IN-33)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS
1

CHECK PRETENSIONER CONNECTOR

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connector from the pretensioner LH.
(c) Check that there is no damage to the pretensioner connector.

Standard:

The locking button of the connector has not moved out of position.

The claws of the locking button have no deformation or other damage.

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (PRETENSIONER CONNECTOR)

OK
2

INSPECT FRONT SEAT PRETENSIONER LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY LH)

HINT:

For inspection procedures and precautions, see page IN-38.

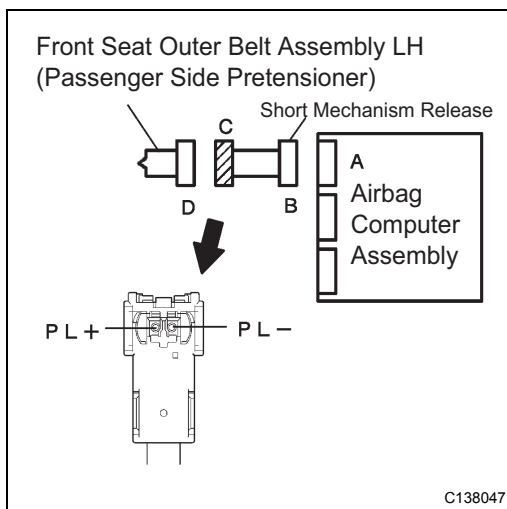
- (a) Disconnect the connectors from the airbag computer assembly.
(b) Release the short circuiting mechanism of connector B (PL+, PL-).
(c) Using a tester, touch terminals PL+ and PL- of connector C with the tester probe and measure the resistance between connector B and connector C.

Standard:

1 MΩ or higher

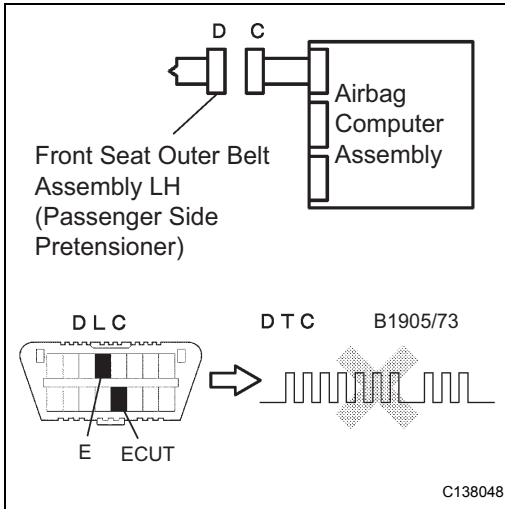
NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY LH)


OK

3

INSPECT AIRBAG COMPUTER ASSEMBLY



- Connect the connectors to the airbag computer assembly.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
 - When reading the code using the warning lights:

Standard:

DTC 73 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1905 is not output.

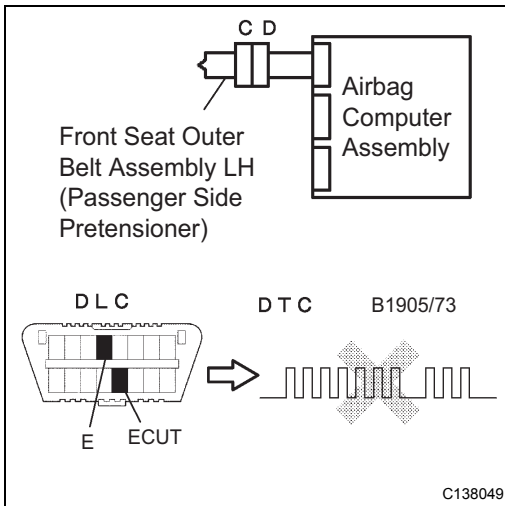
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

4

INSPECT FRONT PRETENSIONER LH IGNITER



- Turn the ignition switch off (LOCK).
- Disconnect the negative battery terminal, and wait for 90 seconds.
- Connect the connector to the pretensioner LH.
- Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)
 - When reading the code using the warning lights:

Standard:

DTC 73 is not output.
 - When reading the code using the DS-II:

Standard:

DTC B1905 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

DTC	B1906/74	Open Circuit in Front Left Side Pretensioner
-----	----------	--

DESCRIPTION

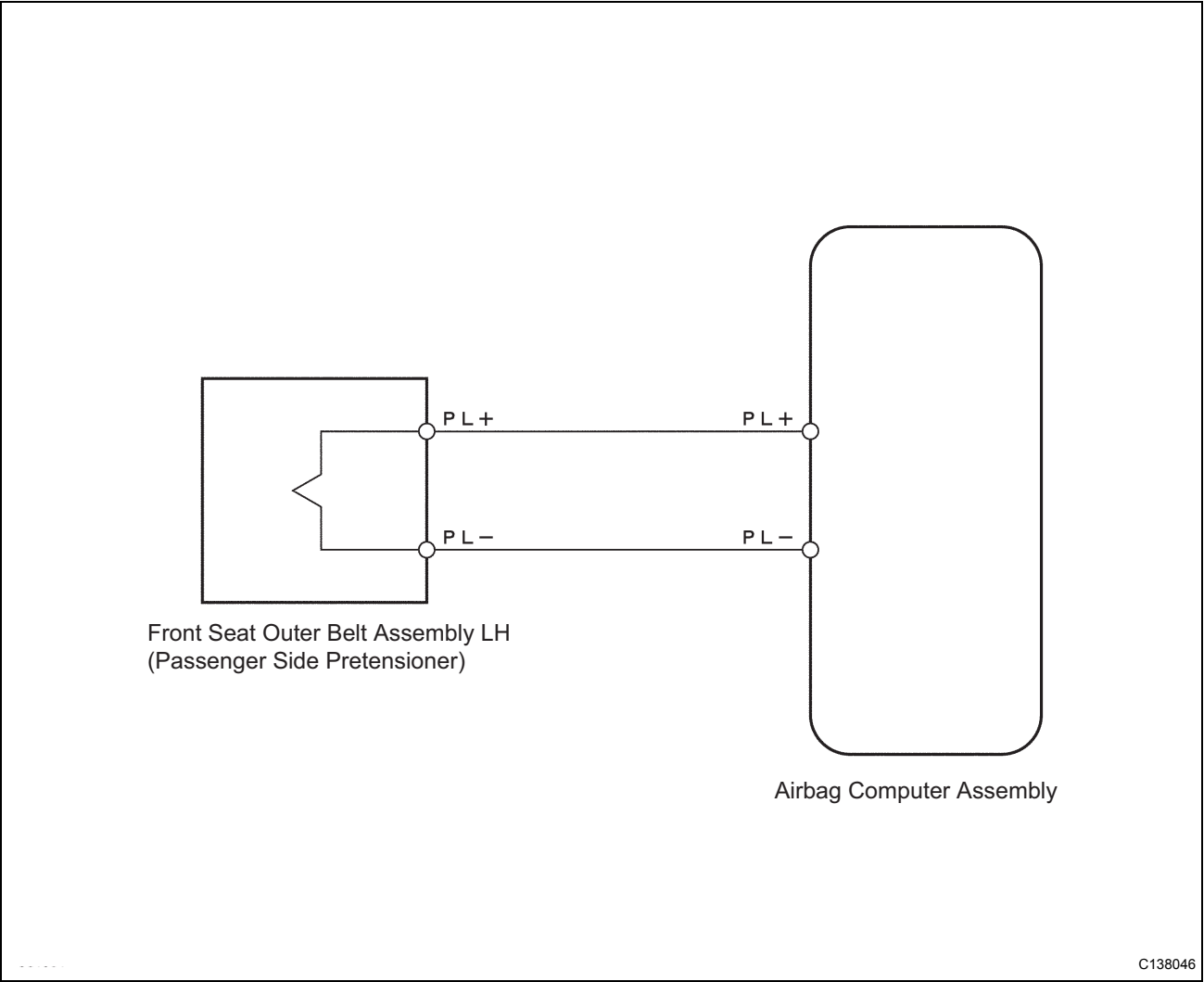
The front pretensioner LH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly LH (passenger seat side pretensioner). The pretensioner LH operates when the deployment conditions are met.

When an open circuit is detected in the front pretensioner LH igniter circuit (PL+, PL- line), DTC B1906/74 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1906/74	- Open circuit to the PL+ and PL- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly LH (front passenger seat side pretensioner) - Front seat outer belt assembly LH (front passenger seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly LH (front passenger seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly LH [front passenger seat side pretensioner])

CIRCUIT DIAGRAM



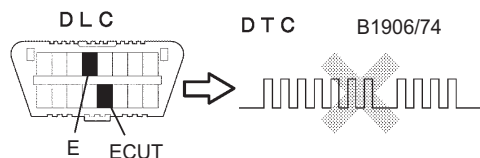
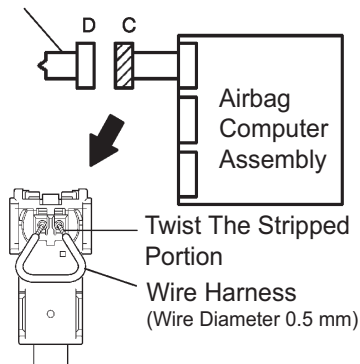
RS

**REPAIR OR REPLACE FLOOR WIRE NO. 2
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND FRONT SEAT OUTER BELT
ASSEMBLY LH)**

2

INSPECT AIRBAG COMPUTER ASSEMBLY

Front Seat Outer Belt Assembly LH
(Passenger Side Pretensioner)



C138051

- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals PL+ and PL- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 74 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1906 is not output.

NG

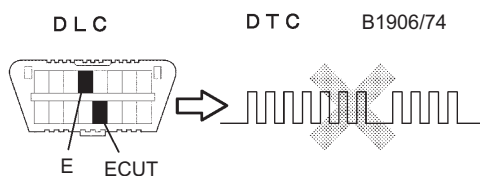
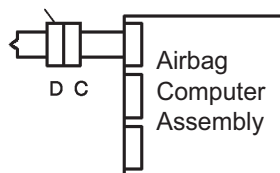
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT PRETENSIONER LH IGNITER

Front Seat Outer Belt Assembly LH
(Passenger Side Pretensioner)



C138052

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between PL+ and PL- of connector C and connect the connectors to the pretensioner LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 74 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1906 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

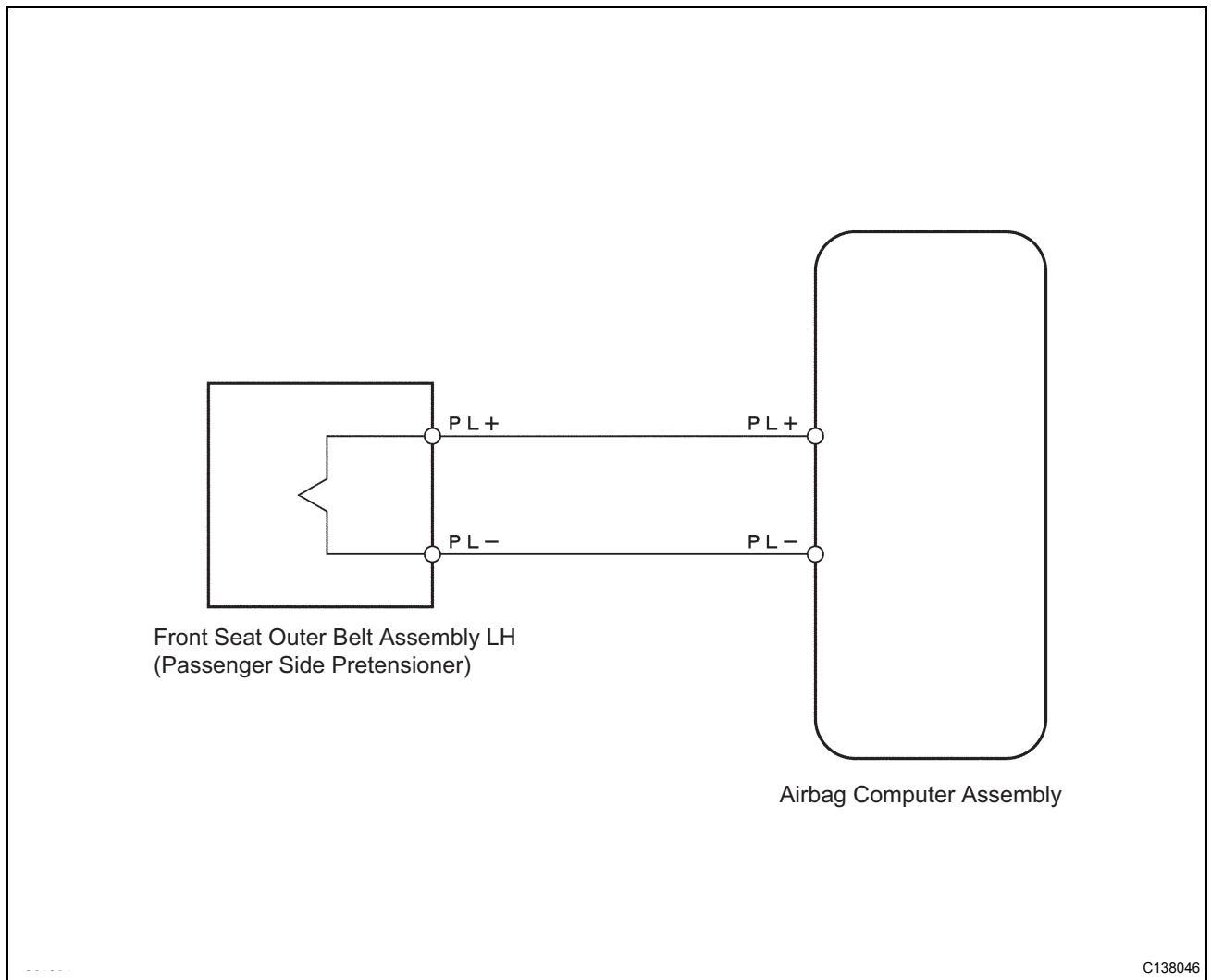
DTC**B1907/71****Ground Short in Front Left Seat Pretensioner****DESCRIPTION**

The front pretensioner LH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly LH (passenger seat side pretensioner). The pretensioner LH operates when the deployment conditions are met.

When a ground short is detected in the front pretensioner LH igniter circuit (PL+, PL- line), DTC B1907/71 is recorded in the airbag computer assembly.

RS

DTC No.	DTC Detection Item	Trouble Area
B1907/71	- Ground short to the PL+ and PL- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly LH (front passenger seat side pretensioner) - Front seat outer belt assembly LH (front passenger seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly LH (front passenger seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly LH [front passenger seat side pretensioner])

CIRCUIT DIAGRAM

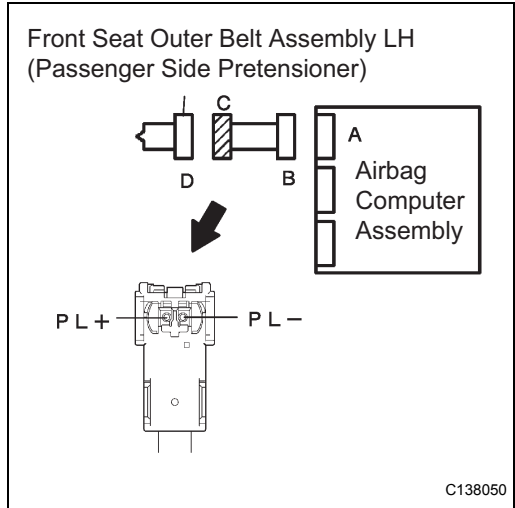
INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1	INSPECT FRONT SEAT PRETENSIONER LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY LH)
---	---



OK

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

- (b) Disconnect the connectors from the airbag computer assembly and pretensioner LH.
- (c) Using a tester, measure the resistance between terminals PL+ and PL- of connector C and the body ground.

Standard:

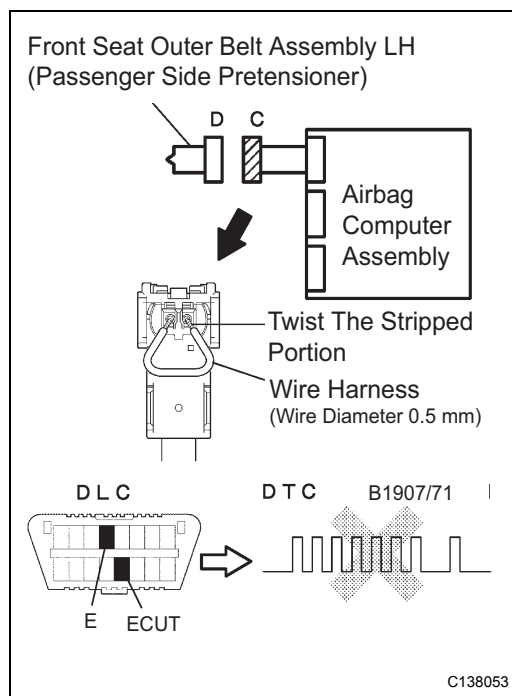
1 M Ω or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND FRONT SEAT OUTER BELT
ASSEMBLY LH)

2

INSPECT AIRBAG COMPUTER ASSEMBLY



- (a) Connect the connectors to the airbag computer assembly.
- (b) Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals PL+ and PL- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (c) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (d) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)

- (1) When reading the code using the warning lights:

Standard:

DTC 71 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1907 is not output.

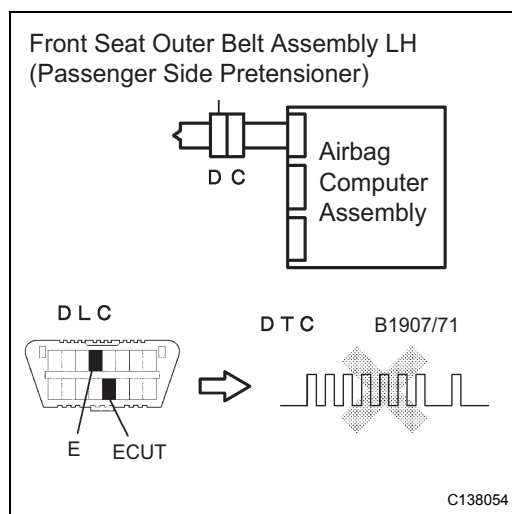
NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT PRETENSIONER LH IGNITER



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between PL+ and PL- of connector C and connect the connectors to the pretensioner LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 71 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1907 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

DTC	B1908/72	Power Supply Short Circuit in Front Left Seat Pretensioner
-----	----------	--

DESCRIPTION

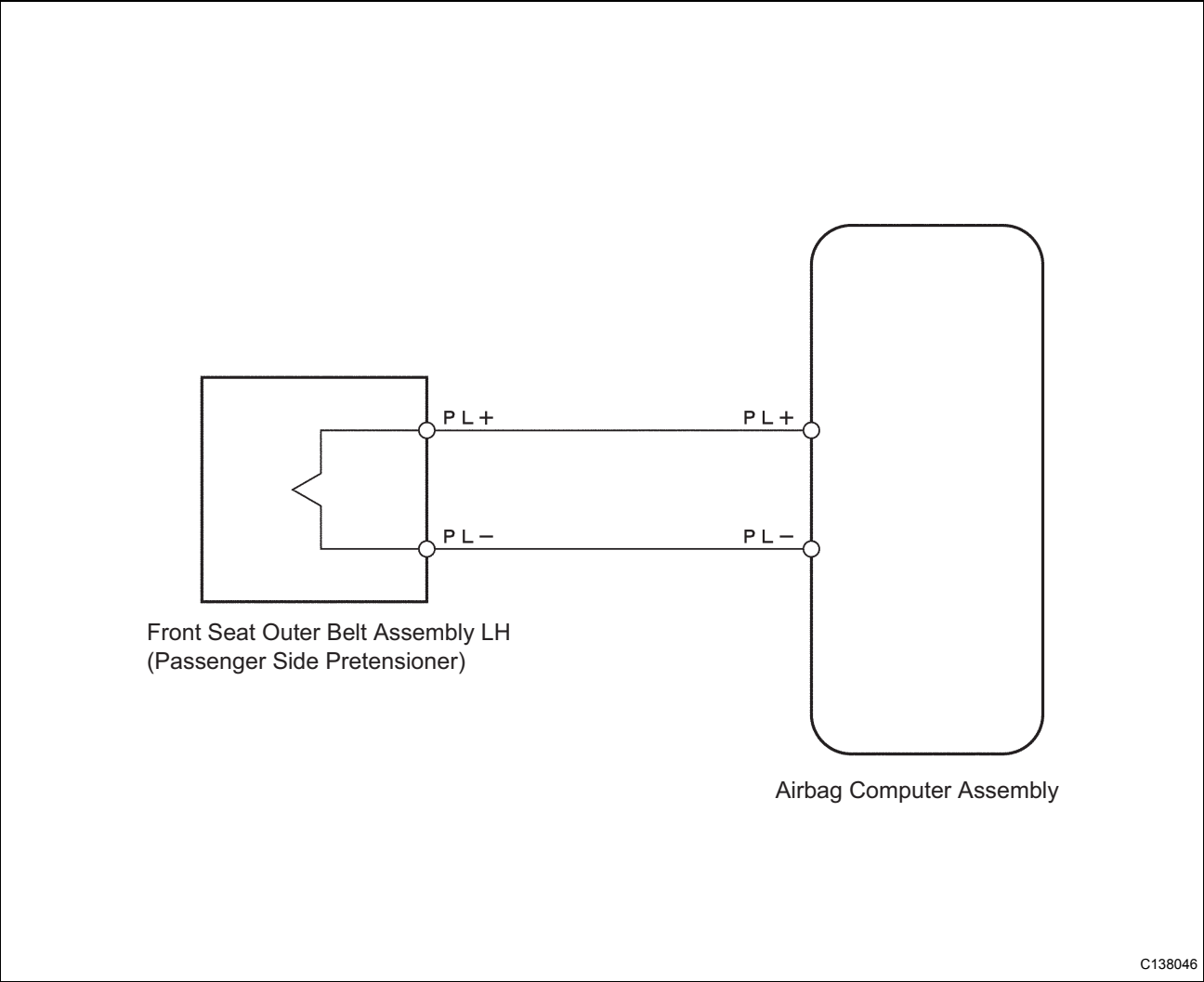
The front pretensioner LH igniter circuit consists of the airbag computer assembly and the front seat outer belt assembly LH (passenger seat side pretensioner). The pretensioner LH operates when the deployment conditions are met.

RS

When a +B short is detected in the front pretensioner LH igniter circuit (PL+, PL- line), DTC B1908/72 is recorded in the airbag computer assembly.

DTC No.	DTC Detection Item	Trouble Area
B1908/72	+B short to the PL+ and PL- lines of the wire harness between the airbag computer assembly and front seat outer belt assembly LH (front passenger seat side pretensioner) - Front seat outer belt assembly LH (front passenger seat side pretensioner) malfunction - Airbag computer assembly malfunction	- Front seat outer belt assembly LH (front passenger seat side pretensioner) - Airbag computer assembly - Floor wire No. 2 (between the airbag computer assembly and the front seat outer belt assembly LH [front passenger seat side pretensioner])

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode. (See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

RS

1

INSPECT FRONT SEAT PRETENSIONER LH IGNITER CIRCUIT (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY LH)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.

HINT:

Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.

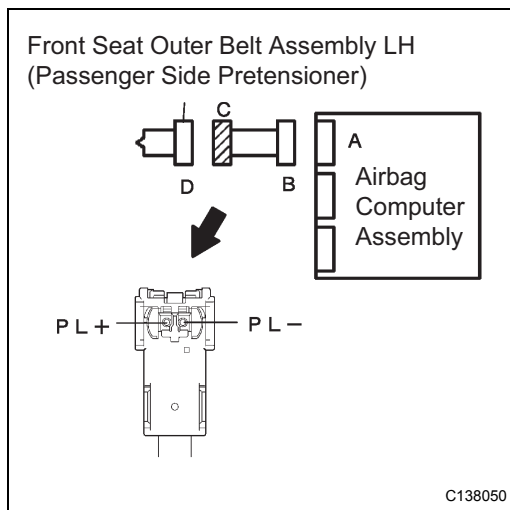
- (b) Disconnect the connectors from the airbag computer assembly and pretensioner LH.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Using a tester, measure the voltage between terminals PL+ and PL- of connector C, and the body ground.

Standard:

1 V or less

NG

REPAIR OR REPLACE FLOOR WIRE NO. 2 (BETWEEN AIRBAG COMPUTER ASSEMBLY AND FRONT SEAT OUTER BELT ASSEMBLY LH)

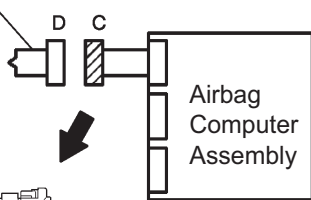


OK

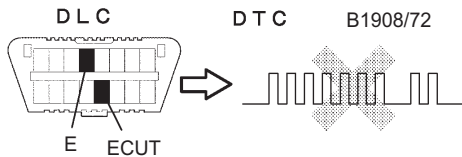
2

INSPECT AIRBAG COMPUTER ASSEMBLY

Front Seat Outer Belt Assembly LH
(Passenger Side Pretensioner)



Twist The Stripped
Portion
Wire Harness
(Wire Diameter 0.5 mm)



C138055

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the airbag computer assembly.
- (d) Using a wire harness (wire diameter: 0.5 mm), short the circuit between terminals PL+ and PL- of connector C.

NOTICE:

When short circuiting, do not insert the wire harness into the connector terminals with force.

- (e) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (f) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-19.)
- (1) When reading the code using the warning lights:

Standard:

DTC 72 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1908 is not output.

NG

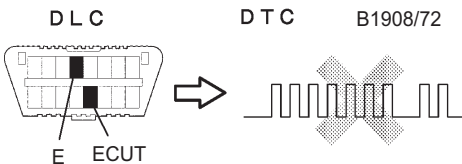
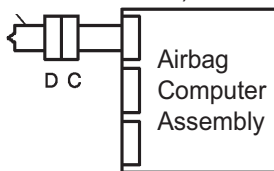
REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

INSPECT FRONT PRETENSIONER LH IGNITER

Front Seat Outer Belt Assembly LH
(Passenger Side Pretensioner)



C138056

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Release the short circuit between PL+ and PL- of connector C and connect the connectors to the pretensioner LH.
- (d) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (e) Using the SST, clear the DTCs and then check the DTCs again. (See page IN-38.)

- (1) When reading the code using the warning lights:

Standard:

DTC 72 is not output.

- (2) When reading the code using the DS-II:

Standard:

DTC B1908 is not output.

NG

REPLACE FRONT SEAT OUTER BELT ASSEMBLY LH

OK

PERFORM REPRODUCTION METHOD

WARNING LIGHT DOES NOT TURN ON

DESCRIPTION

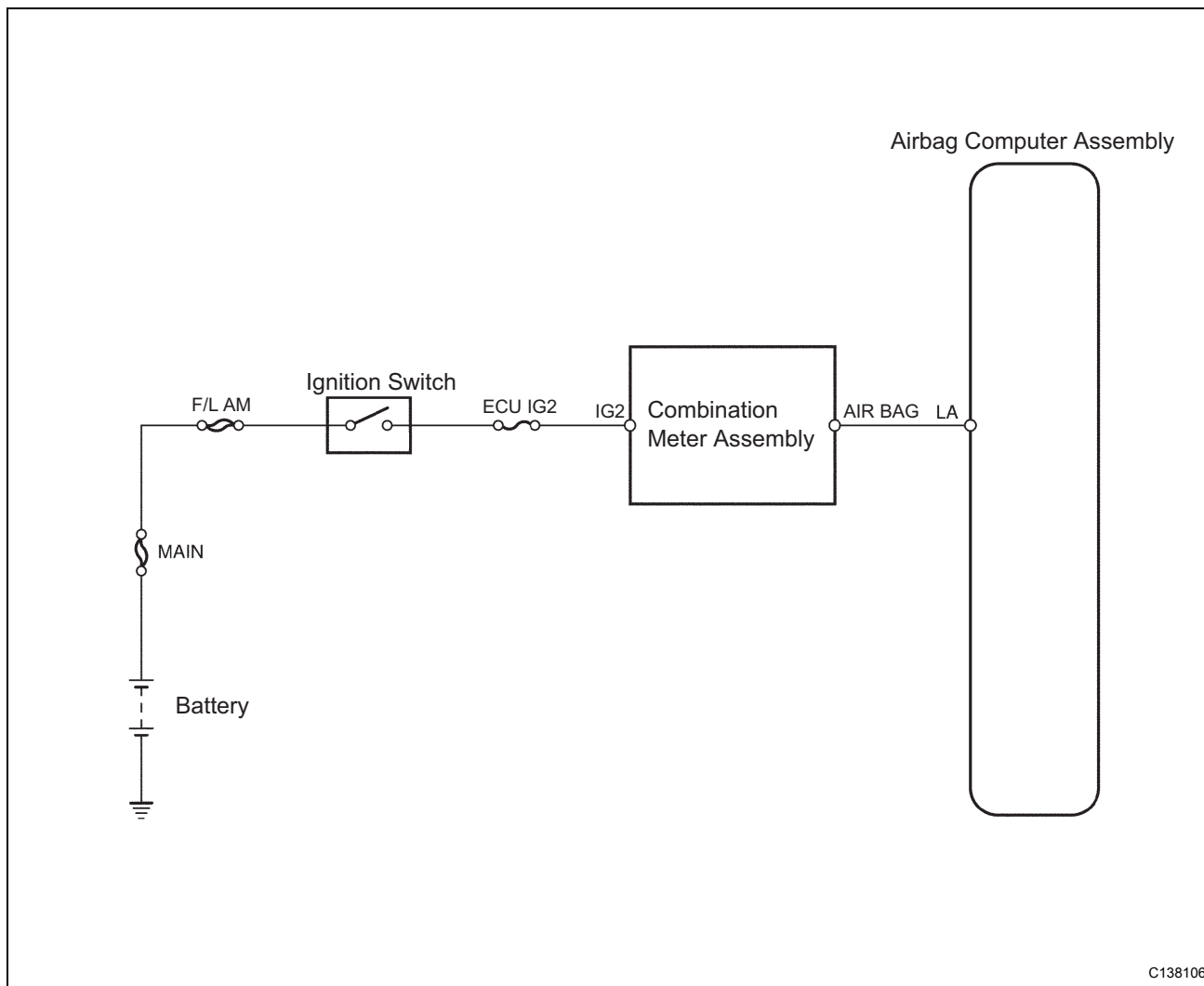
The airbag warning light is built into the combination meter assembly.

If the airbag system is functioning normally, the airbag warning light will come on for approximately 6 seconds when the ignition switch is turned on (IG) and then automatically go off. If there is any trouble with the airbag system, the airbag warning light will remain on or blink to inform the driver of the trouble.

If there is a wire harness ground short circuit between the airbag computer assembly and the combination meter assembly or trouble with the combination meter assembly, the airbag warning light (in the combination meter assembly) will not come on.

RS

CIRCUIT DIAGRAM



C138106

INSPECTION PROCEDURE

1

CHECK POWER SOURCE VOLTAGE

(a) Using a tester, check the battery voltage.

Standard:

10 to 14 V

NG

REPAIR OR REPLACE BATTERY OR RECHARGING SYSTEM

OK

2

INSPECT AIRBAG COMPUTER ASSEMBLY

RS

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.
- (b) Disconnect the connectors from the airbag computer assembly.
- (c) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (d) Check the illumination status of the airbag warning light in the combination meter assembly.

Standard:

The airbag warning light does not come on.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

3

CHECK WIRE HARNESS (BETWEEN AIRBAG COMPUTER ASSEMBLY AND COMBINATION METER ASSEMBLY)

HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Remove the combination meter assembly. (See page ME-30.)
- (d) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (e) Using a tester, check the voltage between terminal LA+ of the connector of the airbag computer assembly and the body ground.

Standard:

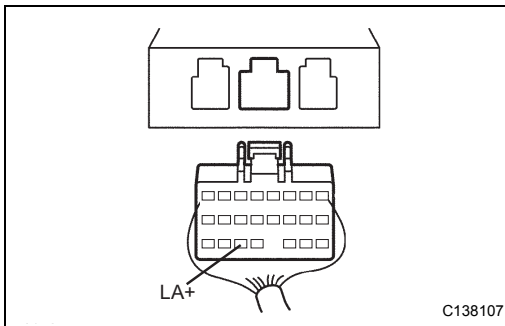
1 V or less

NG

REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR (BETWEEN AIRBAG COMPUTER ASSEMBLY AND COMBINATION METER ASSEMBLY)

OK

REPLACE COMBINATION METER ASSEMBLY



WARNING LIGHT REMAINS ON

DESCRIPTION

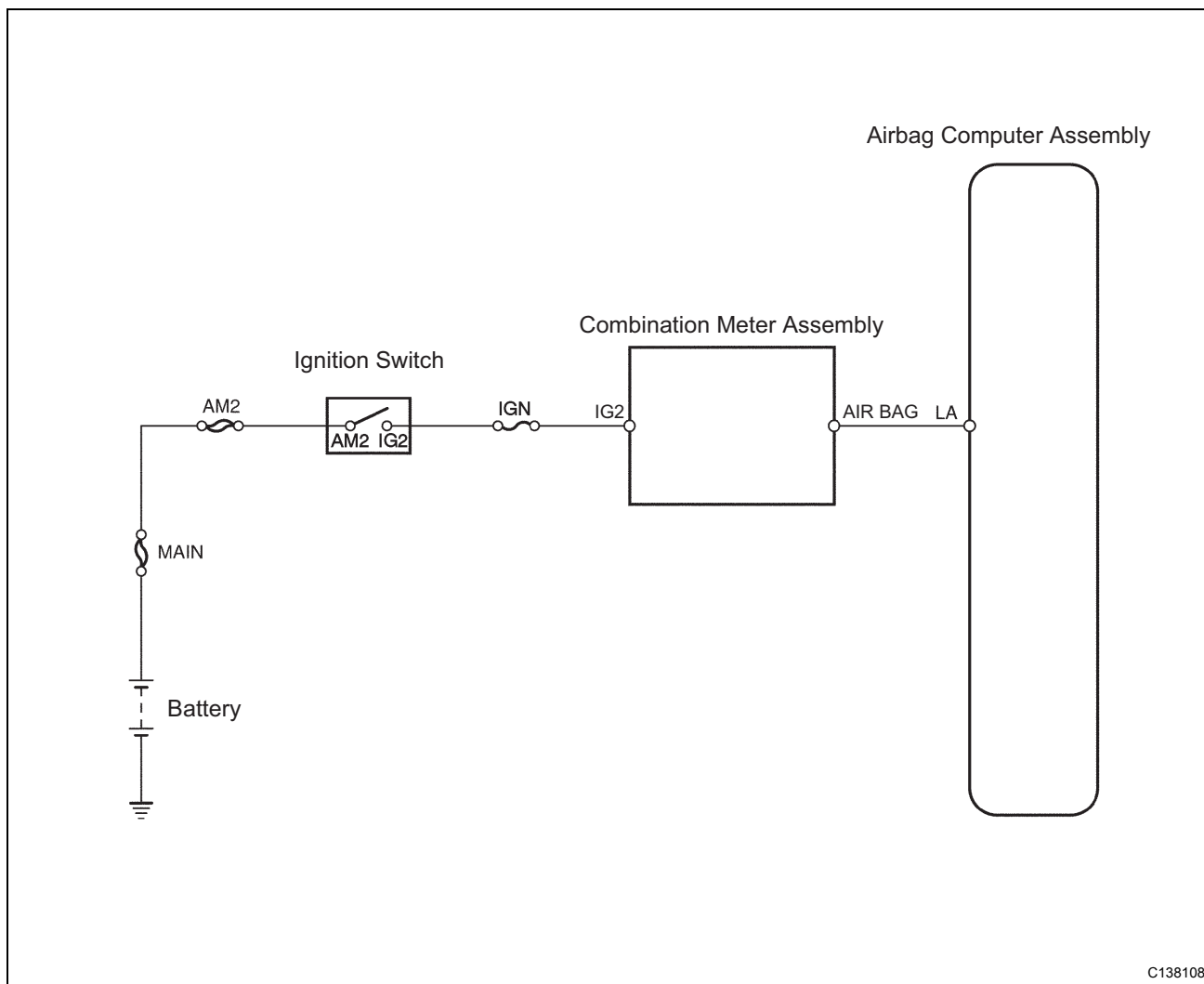
The airbag warning light is built into the combination meter assembly.

If the airbag system is functioning normally, the airbag warning light will come on for approximately 6 seconds when the ignition switch is turned on (IG) and then automatically go off. If there is any trouble with the airbag system, the airbag warning light will remain on or blink to inform the driver of the trouble.

If there is a wire harness +B short circuit or open circuit between the airbag computer assembly and the combination meter assembly or trouble with the combination meter assembly, the airbag warning light (in the combination meter assembly) will remain on.

RS

CIRCUIT DIAGRAM



C138108

INSPECTION PROCEDURE

1

CHECK CONNECTOR CONNECTION STATUS

(a) Disconnect the negative battery terminal, and wait for 90 seconds.

- (b) Check the connection status of the connectors that are connected to the airbag computer assembly and combination meter assembly.

Standard:

The connectors must be securely connected.

NG**RECONNECT CONNECTOR****OK****RS****2****INSPECT COMBINATION METER ASSEMBLY**

(For inspection procedures and precautions, see page IN-38.)

- (a) Remove the combination meter assembly. (See page ME-30.)
- (b) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (c) Using a tester, check the resistance between the AIRBAG terminal of the connector disconnected from the combination meter assembly, and the body ground.

Standard:

1 M Ω or higher

NG**REPLACE COMBINATION METER ASSEMBLY****OK****3****CHECK WIRE HARNESS (BETWEEN AIRBAG COMPUTER ASSEMBLY AND COMBINATION METER ASSEMBLY)**

(For inspection procedures and precautions, see page IN-38.)

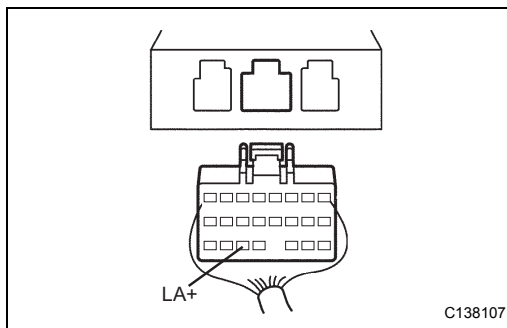
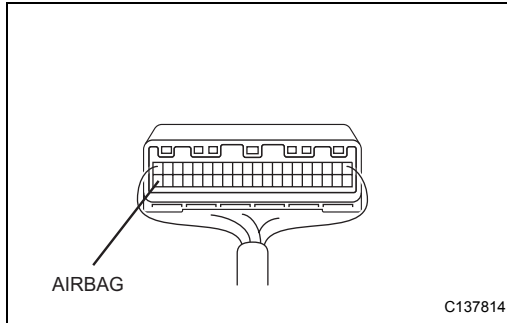
- (a) Disconnect the negative battery terminal, and wait for 90 seconds.
- (b) Disconnect the connectors from the airbag computer assembly.
- (c) Using a tester, check the voltage between terminal LA+ of the connector of the airbag computer assembly and the body ground.

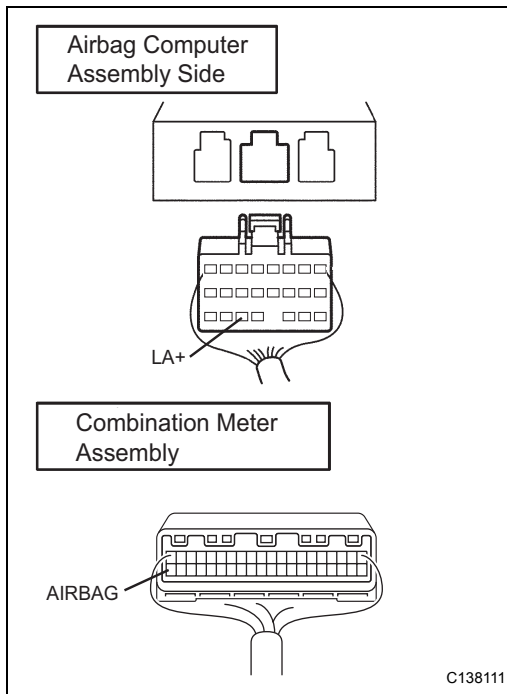
Standard:

1 V or less

NG**REPAIR OR REPLACE WIRE HARNESS (BETWEEN AIRBAG COMPUTER ASSEMBLY AND COMBINATION METER ASSEMBLY)****OK****4****CHECK WIRE HARNESS (BETWEEN AIRBAG COMPUTER ASSEMBLY AND COMBINATION METER ASSEMBLY)**

(For inspection procedures and precautions, see page IN-38.)





- (a) Using a tester, touch terminal LA+ of the airbag computer assembly connector and the AIR BAG terminal of the combination meter assembly connector with the tester probe and measure the resistance between the airbag computer assembly and the combination meter assembly.

Standard:

1Ω or less

NG

**REPAIR OR REPLACE WIRE HARNESS
(BETWEEN AIRBAG COMPUTER
ASSEMBLY AND COMBINATION METER
ASSEMBLY)**

RS

OK

REPLACE AIRBAG COMPUTER ASSEMBLY

POWER SOURCE VOLTAGE DROP

DESCRIPTION

A voltage-increase circuit (DC-DC converter) is built into the airbag computer assembly in case the power supply voltage in the SRS airbags drops.

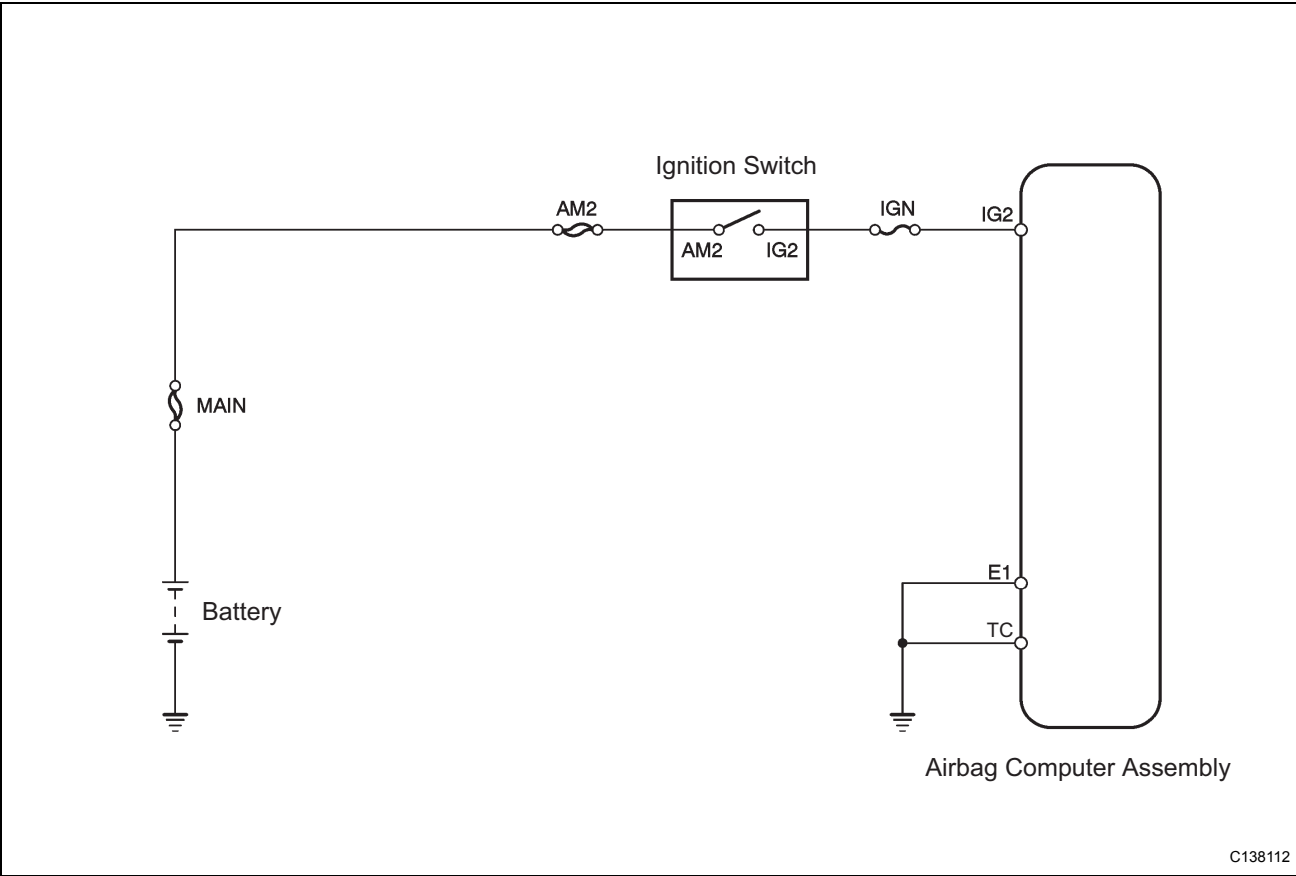
If the voltage of the power source drops, the voltage-increase circuit (DC-DC converter) operates to return the voltage of the power source to normal.

RS The method by which trouble in the voltage-increase circuit is indicated differs from that used for other circuits. When the diagnosis code indicates a normal code, the airbag warning light comes to indicate a drop in power supply voltage.

Troubles in this circuit are not recorded in the airbag computer assembly. The airbag warning light automatically goes off when the power supply voltage returns to normal.

DTC No.	DTC Detection Item
None	POWER SOURCE VOLTAGE DROP

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

HINT:

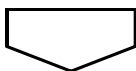
- Before proceeding with the reproduction method, check whether or not the airbag computer assembly is applicable with the test mode.(See page RS-7)
- Select the TEST MODE with the DS-II to perform the reproduction method. (See page RS-19.)
- After selecting TEST MODE, perform the reproduction method by shaking each of the airbag system connectors and running the vehicle around town or on bad roads. (See page IN-33.)

1

INSPECTION PREPARATION

- (a) Disconnect the negative battery terminal, and wait for 90 seconds.
HINT:
Check that the ignition switch is turned off (LOCK) before disconnecting the battery negative terminal.
- (b) Disconnect the connectors from the horn button assembly. (See page RS-169.)
- (c) Disconnect the connectors from the instrument panel passenger airbag assembly. (See page RS-181.)
- (d) Disconnect the connectors from the front seat outer belt assembly RH and LH (pretensioner). (See page SE-3.)
- (e) Disconnect the connectors from the front seat airbag assembly RH and LH. (See page RS-195.)
- (f) Disconnect the connector from the curtain shield airbag RH and LH. (See page RS-188.)
- (g) Disconnect the connectors from the airbag computer assembly. (See page RS-202.)
- (h) Disconnect the connector from the front airbag sensor RH and LH.
- (i) Disconnect the connectors from the side airbag sensor assembly RH and LH. (See page RS-206.)
- (j) Disconnect the connectors from the side airbag sensor assembly RH No. 2 and side airbag sensor assembly LH No. 2. (See page RS-207.)

RS



2

CHECK POWER SOURCE VOLTAGE

HINT:

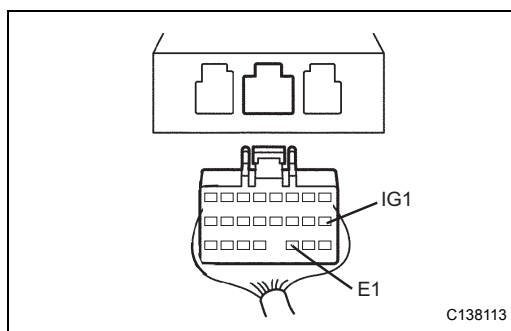
For inspection procedures and precautions, see page IN-38.

- (a) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (b) Using a tester, check the voltage between terminals IG1-E1 of the airbag computer assembly connector.

Standard:

10 to 14 V

NG

**REPAIR OR REPLACE BATTERY OR
RECHARGING SYSTEM**


OK

3

CHECK AIRBAG WARNING LIGHT

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Connect the connectors to the horn button assembly.
- (d) Connect the connectors to the instrument panel passenger airbag assembly.

RS

- (e) Connect the connector to the front seat outer belt assembly RH and LH (pretensioner).
- (f) Connect the connectors to the front seat airbag assembly RH and LH.
- (g) Connect the connectors to the curtain shield airbag RH and LH.
- (h) Connect the connectors to the airbag computer assembly.
- (i) Connect the connectors to the front airbag sensor RH and LH.
- (j) Connect the connectors to the side airbag sensor assembly RH and LH.
- (k) Connect the connectors to the side airbag sensor assembly RH No. 2 and the side airbag sensor assembly LH No. 2.
- (l) Connect the negative battery terminal, turn the ignition switch on (IG) and wait for 60 seconds.
- (m) Activate the electrical system (defogger, wipers, headlights, heater blower, etc.) and check the airbag warning light.

Standard:

The airbag warning light does not come on.

NG

REPAIR OR REPLACE BATTERY OR RECHARGING SYSTEM

OK

4

INSPECT AIRBAG COMPUTER ASSEMBLY

- (a) Using the SST, clear the DTCs and then check the DTCs again. (See page RS-7.)
 - (1) When reading the code using the warning lights:
Standard:
DTC is not output.
 - (2) When reading the code using the DS-II:
Standard:
DTC is not output.

NG

REPLACE AIRBAG COMPUTER ASSEMBLY

OK

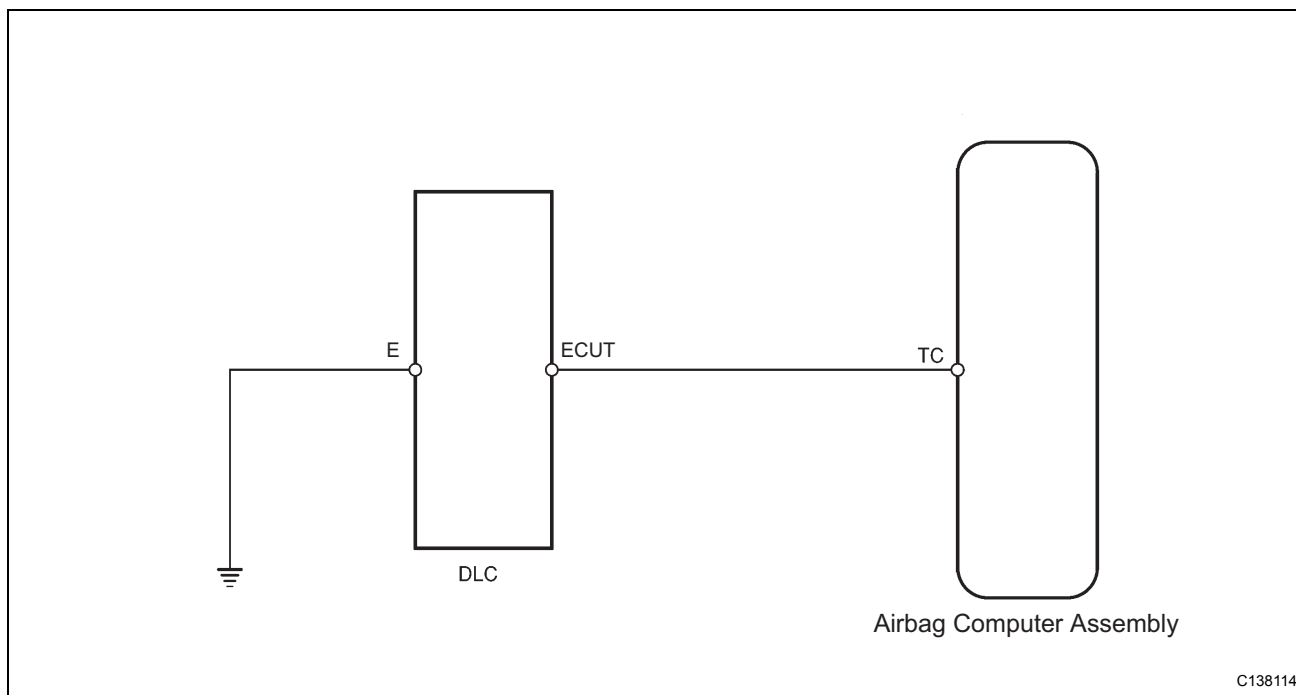
PERFORM REPRODUCTION METHOD

TC TERMINAL CIRCUIT

DESCRIPTION

Shorting the circuit between terminals ECUT and E of the DLC causes the DTC output mode to be selected. The airbag warning light in the combination meter assembly will come on continuously or blink to indicate status.

CIRCUIT DIAGRAM



INSPECTION PROCEDURE

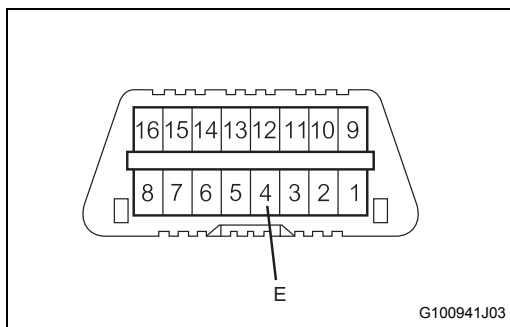
1

INSPECT WIRE HARNESS OPEN CIRCUIT (BETWEEN DLC AND BODY GROUND)
HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Using a tester, measure the resistance between terminal E of DLC and the body ground.

Standard:
 1Ω or less

NG
REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR (BETWEEN DLC AND BATTERY)

OK

2**INSPECT WIRE HARNESS OPEN CIRCUIT (BETWEEN DLC AND BODY GROUND)**

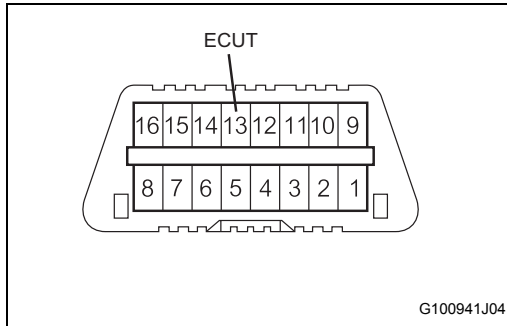
HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Connect the negative battery terminal, and turn the ignition switch on (IG).
- (b) Using a tester, check the voltage between terminal ECUT of the DLC, and the body ground.

Standard:

10 to 14 V

NG**REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR (BETWEEN DLC AND BATTERY)****OK****3****INSPECT WIRE HARNESS SHORT CIRCUIT (BETWEEN DLC AND BODY GROUND)**

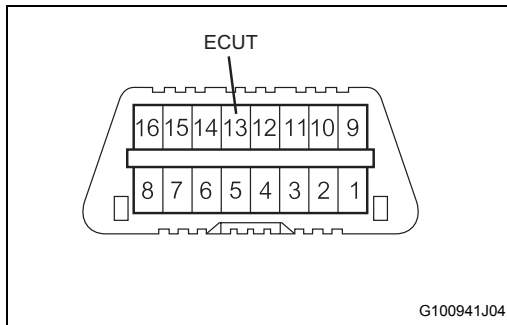
HINT:

For inspection procedures and precautions, see page IN-38.

- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Using a tester, measure the resistance between terminal ECUT of the DLC and the body ground.

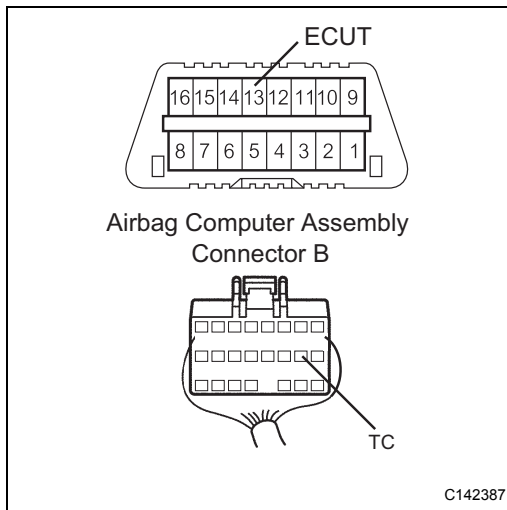
Standard:

1 MΩ or higher

NG**REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR (BETWEEN DLC AND BATTERY)****OK****4****CHECK OPEN CIRCUIT IN WIRE HARNESS (BETWEEN THE DLC AND THE AIRBAG COMPUTER ASSEMBLY)**

HINT:

For inspection procedures and precautions, see page IN-38.



- (a) Turn the ignition switch off (LOCK).
- (b) Disconnect the negative battery terminal, and wait for 90 seconds.
- (c) Using the tester, check the resistance between the ECUT terminal of the DLC and each connector B10 (TC) terminal of the vehicle wire harness side of the airbag computer assembly.

Standard:

1Ω or less

NG

REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR (BETWEEN DLC AND AIRBAG COMPUTER ASSEMBLY)

RS

OK

REPLACE AIRBAG COMPUTER ASSEMBLY

