

<b>DTC</b>	<b>B1905/74</b>	<b>SHORT IN P/T SQUIB (P SEAT SIDE) CIRCUIT</b>
------------	-----------------	---

<b>DTC</b>	<b>B1906/74</b>	<b>OPEN IN P/T SQUIB (P SEAT SIDE) CIRCUIT</b>
------------	-----------------	--

<b>DTC</b>	<b>B1907/74</b>	<b>SHORT IN P/T SQUIB (P SEAT SIDE) CIRCUIT (TO GROUND)</b>
------------	-----------------	---

<b>DTC</b>	<b>B1908/74</b>	<b>SHORT IN P/T SQUIB (P SEAT SIDE) CIRCUIT (TO B+)</b>
------------	-----------------	---

## CIRCUIT DESCRIPTION

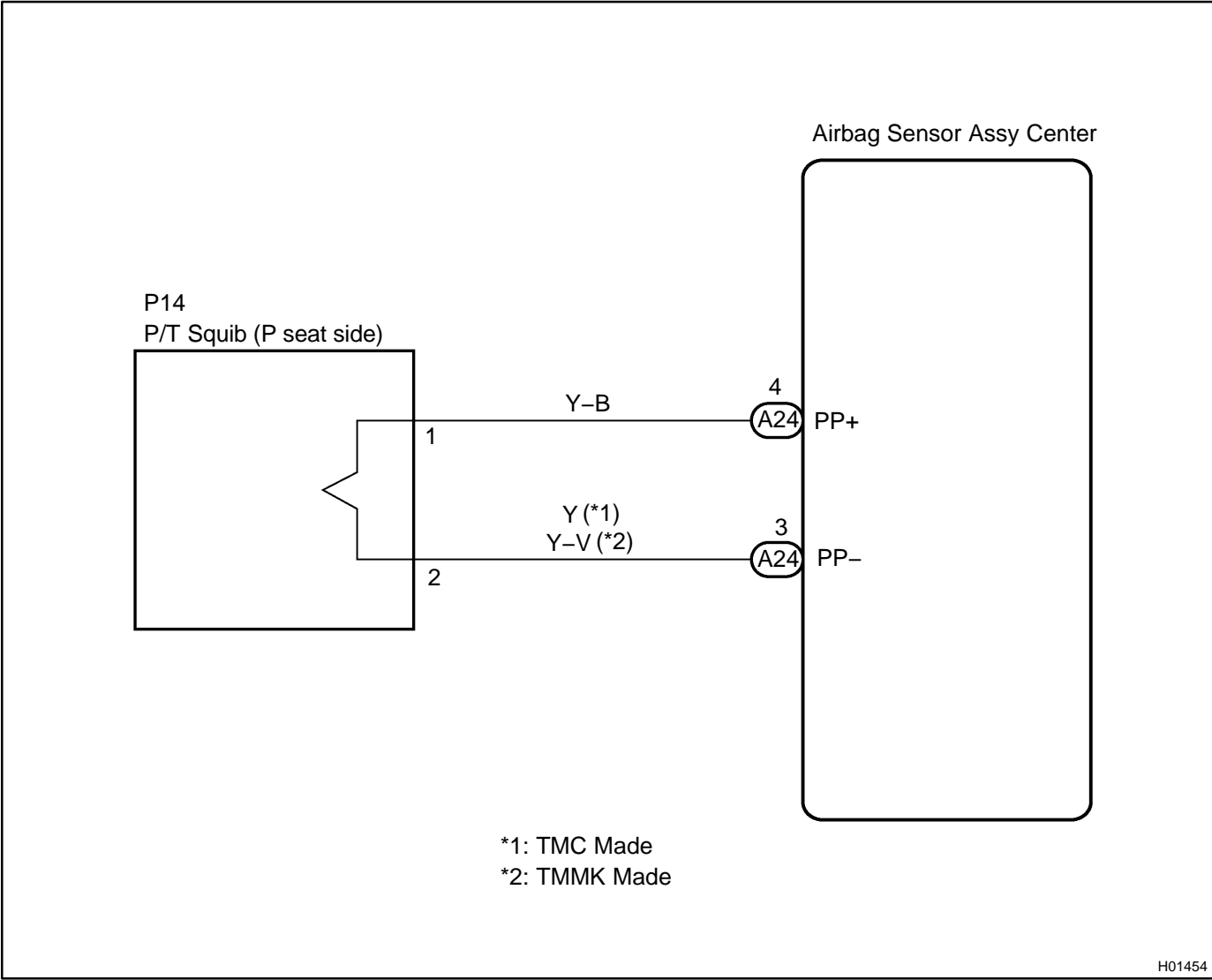
The P/T squib (P seat side) circuit consists of the airbag sensor assy center and the front seat outer belt assy RH.

This circuit instructs the SRS to deploy when deployment conditions are met.

These DTCs are recorded when a malfunction is detected in the P/T squib (P seat side) circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1905/74	<ul style="list-style-type: none"> <li>• The airbag sensor assy center receives a line short circuit signal 5 times in the P/T squib (P seat side) circuit during primary check.</li> <li>• P/T squib (P seat side) malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Front seat outer belt assy RH (P/T squib (P seat side))</li> <li>• Airbag sensor assy center</li> <li>• Floor wire No.2</li> </ul>
B1906/74	<ul style="list-style-type: none"> <li>• The airbag sensor assy center receives an open circuit signal in the P/T squib (P seat side) circuit for 2 seconds.</li> <li>• P/T squib (P seat side) malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Front seat outer belt assy RH (P/T squib (P seat side))</li> <li>• Airbag sensor assy center</li> <li>• Floor wire No.2</li> </ul>
B1907/74	<ul style="list-style-type: none"> <li>• The airbag sensor assy center receives a short circuit to ground signal in the P/T squib (P seat side) circuit for 0.5 second.</li> <li>• P/T squib (P seat side) malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Front seat outer belt assy RH (P/T squib (P seat side))</li> <li>• Airbag sensor assy center</li> <li>• Floor wire No.2</li> </ul>
B1908/74	<ul style="list-style-type: none"> <li>• The airbag sensor assy center receives a short circuit to B+ signal in the P/T squib (P seat side) circuit for 0.5 second.</li> <li>• P/T squib (P seat side) malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Front seat outer belt assy RH (P/T squib (P seat side))</li> <li>• Airbag sensor assy center</li> <li>• Floor wire No.2</li> </ul>

WIRING DIAGRAM



## INSPECTION PROCEDURE

### CAUTION:

**Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the airbag sensor assy center.
- (d) Disconnect the connectors from the horn button assy.
- (e) Disconnect the connectors from the front passenger airbag assy.
- (f) w/ Side airbag:  
Disconnect the connector from the front seat airbag assy LH.
- (g) w/ Side airbag:  
Disconnect the connector from the front seat airbag assy RH.
- (h) w/ Curtain shield airbag:  
Disconnect the connector from the curtain shield airbag assy LH.
- (i) w/ Curtain shield airbag:  
Disconnect the connector from the curtain shield airbag assy RH.
- (j) Disconnect the connector from the front seat outer belt assy LH.
- (k) Disconnect the connector from the front seat outer belt assy RH.

### 1 CHECK READ METHOD OF DTC

- (a) Proceed to each step according to DTC readings.
  - (1) If using the hand-held tester (read the 5-digit of DTC):  
Using the hand-held tester, check the DTCs (see page [05-1464](#)).

#### Result:

DTC B1905 is output.	A
DTC B1906 is output.	B
DTC B1907 is output.	C
DTC B1908 is output.	D

- (2) If not using the hand-held tester (read the 2-digit of DTC):  
Check the DTCs (see page [05-1464](#)).

#### Result:

DTC 74 is output.	E
-------------------	---

B

Go to step 4

C

Go to step 5

D

Go to step 6

E

Go to step 7

A

**2 CHECK CONNECTOR**

- (a) Check that the floor wire No.2 connector (on the front seat outer belt assy RH side) is not damaged.

**OK:**

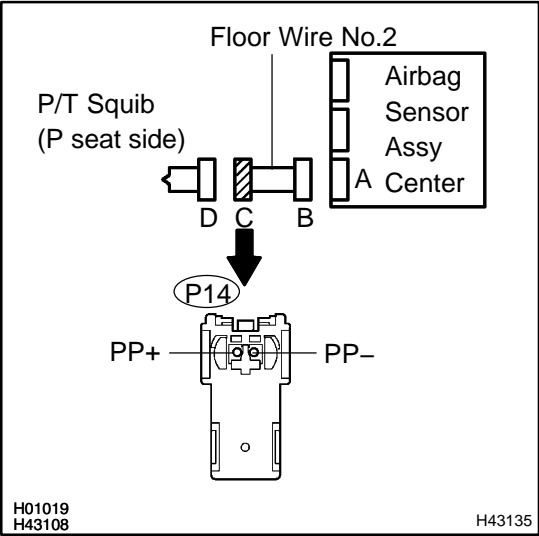
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

**B**

**REPAIR OR REPLACE FLOOR WIRE NO.2**

**A**

**3 CHECK FLOOR WIRE NO.2 (SHORT)**



- (a) Release the activation prevention mechanism built into connector "B" (see page 05-1456).
- (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
P14-1 (PP+) - P14-2 (PP-)	Always	1 MΩ or Higher

**NG**

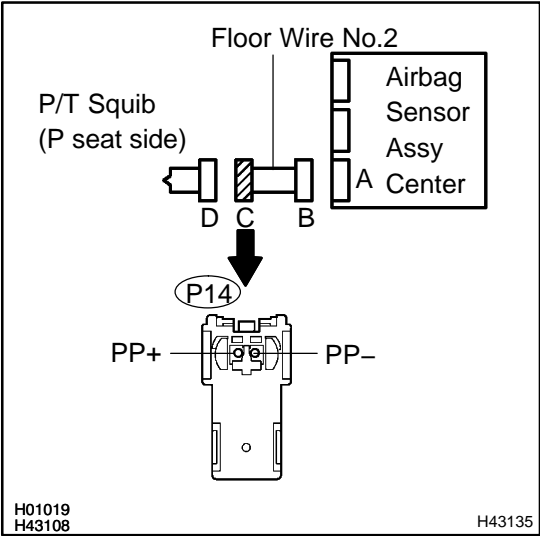
**REPAIR OR REPLACE FLOOR WIRE NO.2**

**OK**

**GO TO STEP 10**

4

CHECK FLOOR WIRE NO.2 (OPEN)



- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
P14-1 (PP+) – P14-2 (PP-)	Always	Below 1 Ω

NG

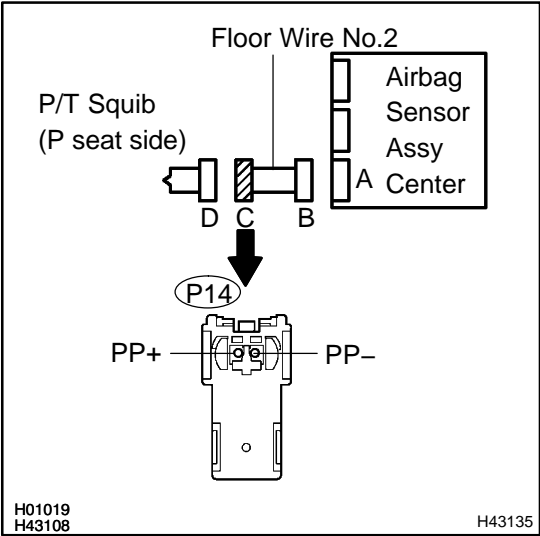
REPAIR OR REPLACE FLOOR WIRE NO.2

OK

GO TO STEP 11

5

CHECK FLOOR WIRE NO.2 (TO GROUND)



- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
P14-1 (PP+) – Body ground	Always	1 MΩ or Higher
P14-2 (PP-) – Body ground	Always	1 MΩ or Higher

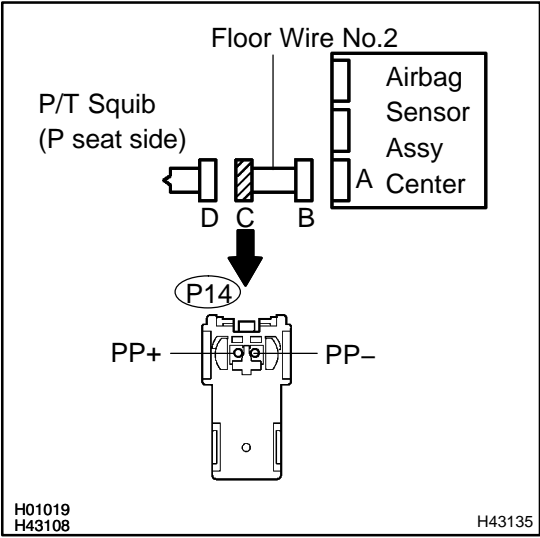
NG

REPAIR OR REPLACE FLOOR WIRE NO.2

OK

GO TO STEP 11

6 CHECK FLOOR WIRE NO.2 (TO B+)



- (a) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
P14-1 (PP+) – Body ground	Ignition switch ON	Below 1 V
P14-2 (PP-) – Body ground	Ignition switch ON	Below 1 V

**NG** REPAIR OR REPLACE FLOOR WIRE NO.2

**OK**

GO TO STEP 11

## 7 CHECK CONNECTOR

- (a) Check that the floor wire No.2 connector (on the front seat outer belt assy RH side) is not damaged.

**OK:**

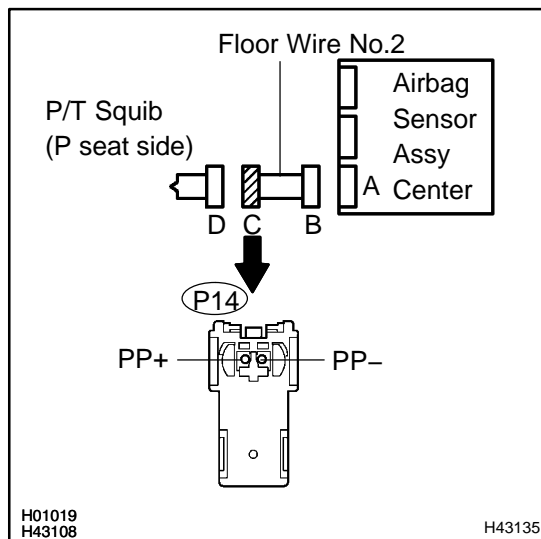
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

**NG**

**REPAIR OR REPLACE FLOOR WIRE NO.2**

**OK**

## 8 CHECK FLOOR WIRE NO.2 (P/T SQUIB (P SEAT SIDE) CIRCUIT)



- (a) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.  
 (b) Turn the ignition switch to the ON position.  
 (c) Measure the voltage according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
P14-1 (PP+) – Body ground	Ignition switch ON	Below 1 V
P14-2 (PP-) – Body ground	Ignition switch ON	Below 1 V

- (d) Turn the ignition switch to the LOCK position.  
 (e) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.  
 (f) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
P14-1 (PP+) – P14-2 (PP-)	Always	Below 1 Ω
P14-1 (PP+) – Body ground	Always	1 MΩ or Higher
P14-2 (PP-) – Body ground	Always	1 MΩ or Higher

- (g) Release the activation prevention mechanism built into connector "B" (see page 05-1456).  
 (h) Measure the resistance according to the value(s) in the table below.

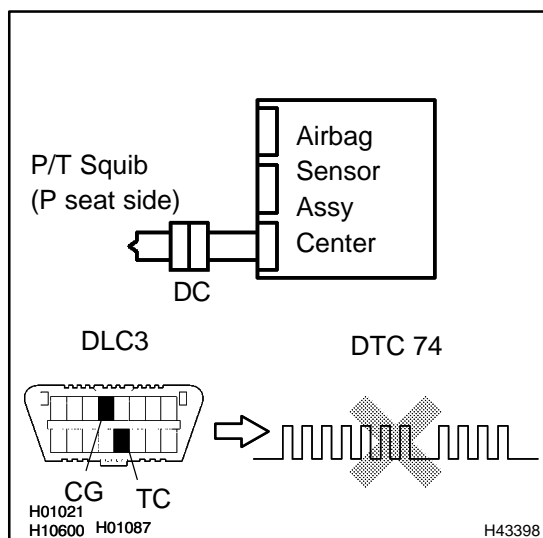
**Standard:**

Tester connection	Condition	Specified condition
P14-1 (PP+) – P14-2 (PP-)	Always	1 MΩ or Higher

**NG**

**REPAIR OR REPLACE FLOOR WIRE NO.2**

**OK**

**9 REPLACE FRONT SEAT OUTER BELT ASSY RH (P/T SQUIB (P SEAT SIDE))**


- (a) Replace the front seat outer belt assy RH (see page 61-5).

HINT:

Perform the inspection using parts from a normal vehicle if possible.

- (b) Connect the connectors to the airbag sensor assy center.  
 (c) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.  
 (d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.  
 (e) Clear the DTCs stored in memory (see page 05-1464).  
 (f) Turn the ignition switch to the LOCK position.  
 (g) Turn the ignition switch to the ON position, and wait for at least 60 seconds.  
 (h) Check the DTCs (see page 05-1464).

**OK:**

**DTC 74 is not output.**

HINT:

Codes other than code 74 may be output at this time, but they are not related to this check.

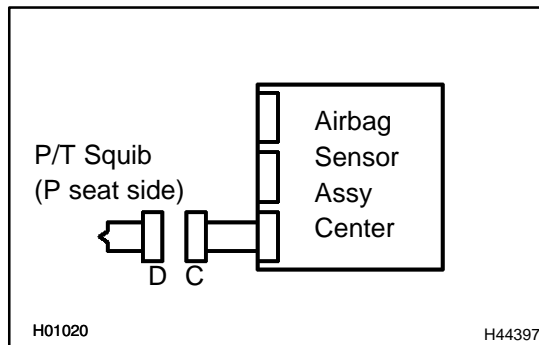
**NG**

**REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PAGE 60-59)**

**OK**

**END**



**10 CHECK AIR BAG SENSOR ASSY CENTER**

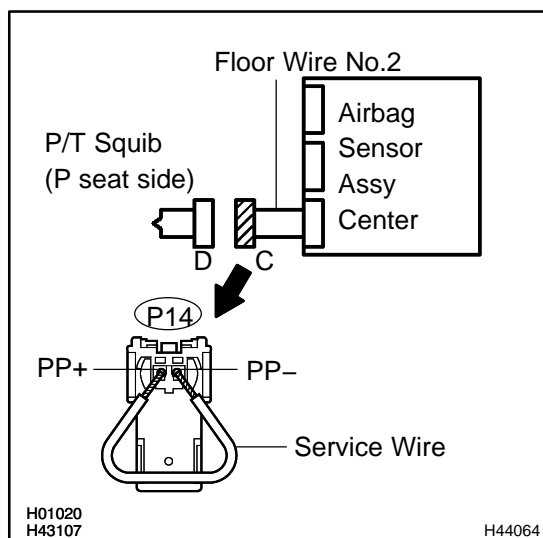
- (a) Connect the connectors to the airbag sensor assy center.
- (b) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (c) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (d) Clear the DTCs stored in memory (see page 05-1464).
- (e) Turn the ignition switch to the LOCK position.
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (g) Check the DTCs (see page 05-1464).

**OK:****DTC B1905 is not output.****HINT:**

Codes other than code B1905 may be output at this time, but they are not related to this check.

**NG****REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PAGE 60-59)****OK****GO TO STEP 12**

# 11 CHECK AIR BAG SENSOR ASSY CENTER



- (a) From the step 6:  
Turn the ignition switch to the LOCK position.
- (b) From the step 6:  
Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Connect the connectors to the airbag sensor assy center.
- (d) Using a service wire, connect P14–1 (PP+) and P14–2 (PP–) of connector "C".

## NOTICE:

- **Twist the end of the service wire in order to insert it into the connector.**
  - **Do not forcibly insert the twisted service wire into the terminals of the connector when connecting.**
- (e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
  - (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
  - (g) Clear the DTCs stored in memory (see page 05-1464).
  - (h) Turn the ignition switch to the LOCK position.
  - (i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
  - (j) Check the DTCs (see page 05-1464).

## OK:

**DTC B1906, B1907 or B1908 is not output.**

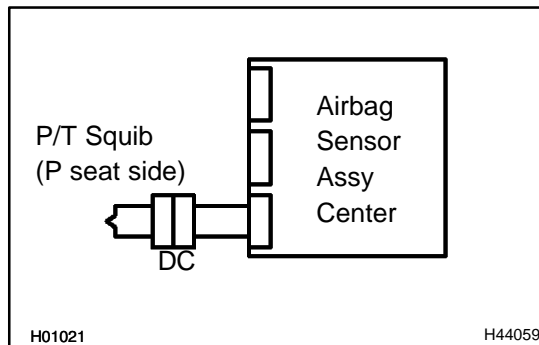
## HINT:

Codes other than code B1906, B1907 and B1908 may be output at this time, but they are not related to this check.

**NG**

**REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PAGE 60-59)**

**OK**

**12 CHECK FRONT SEAT OUTER BELT ASSY RH (P/T SQUIB (P SEAT SIDE))**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
- (c) From the step 11:  
Disconnect the service wire from connector "C".
- (d) Connect the connector to the front seat outer belt assy RH.
- (e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (g) Clear the DTCs stored in memory (see page 05-1464).
- (h) Turn the ignition switch to the LOCK position.
- (i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (j) Check the DTCs (see page 05-1464).

**OK:****DTC B1905, B1906, B1907 or B1908 is not output.****HINT:**

Codes other than code B1905, B1906, B1907 and B1908 may be output at this time, but they are not related to this check.

**NG****REPLACE FRONT SEAT OUTER BELT ASSY RH (SEE PAGE 61-5)****OK****USE SIMULATION METHOD TO CHECK (SEE PAGE 05-1456)****HINT:**

- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1452).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-1452).