DTC B1655	<b>B7</b> Driver Side Seat Belt Buckle Switch Circuit Mal- function
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## DESCRIPTION

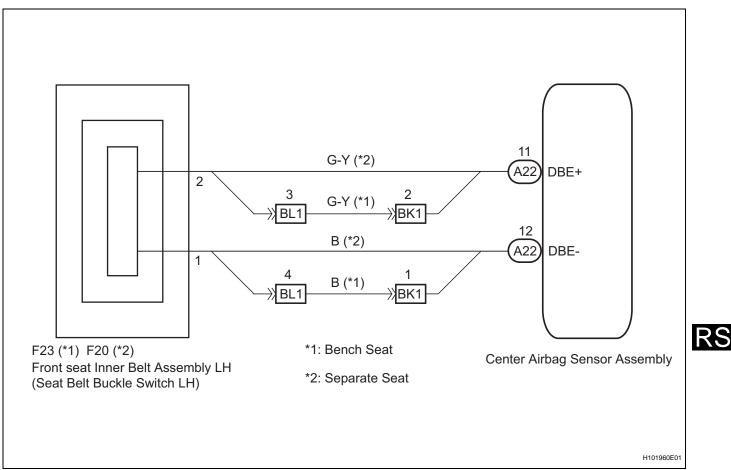
The seat belt buckle switch LH circuit consists of the center airbag sensor assembly and the front seat inner belt assembly LH (seat belt buckle switch LH).

DTC B1655/37 is set when a malfunction is detected in the seat belt buckle switch (driver seat side) circuit.

DTC No.	DTC Detections Conditions	Trouble Areas		
B1655/37	<ul> <li>The center airbag sensor assembly receives a line short circuit signal, an open circuit signal, a short circuit to ground signal or a short circuit to B+ signal in the seat belt buckle switch (Driver seat side) circuit for 2 seconds</li> <li>Front seat inner belt assembly LH malfunction</li> <li>Center airbag sensor assembly malfunction</li> </ul>	<ul> <li>No. 2 floor wire</li> <li>No. 1 seat wire (*1)</li> <li>No. 2 seat wire (*1)</li> <li>Front seat inner belt assembly LH (Seat belt buckle switch LH)</li> <li>Center airbag sensor assembly</li> </ul>		

\*1: Bench seat

# WIRING DIAGRAM



### CAUTION:

In order to prevent unexpected airbag deployment, disconnect the following connectors before inspecting parts such as wire harnesses, if the application of tester probes to the center airbag sensor assembly connector is necessary.

(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.

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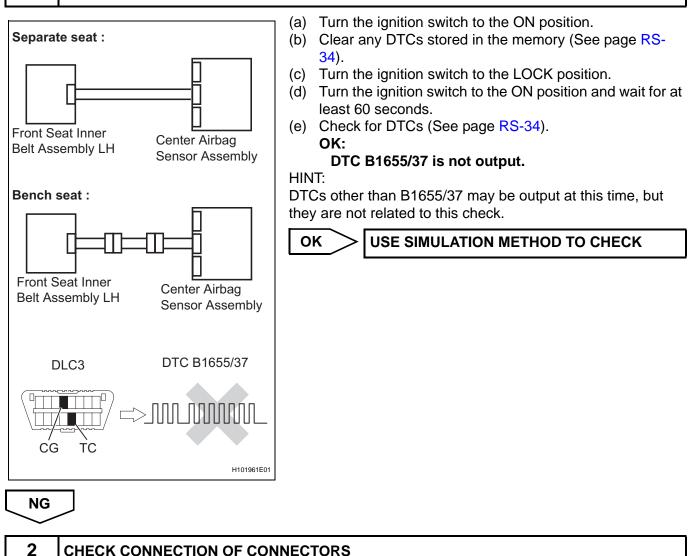
- (c) Disconnect the connectors from the center airbag sensor assembly.
- (d) Disconnect the connectors from the steering pad.
- (e) Disconnect the connector from the front passenger airbag assembly.
- (f) Disconnect the connector from the front seat airbag assembly LH.

(g) Disconnect the connector from the front seat airbag assembly RH. HINT:

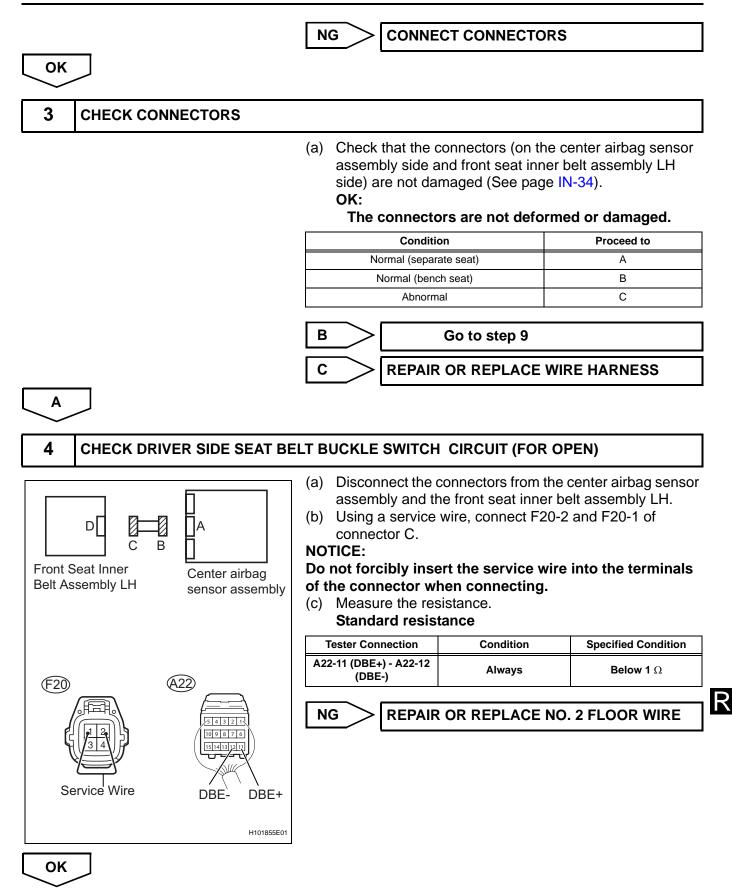
Skip the following steps if side and curtain shield airbags are not fitted.

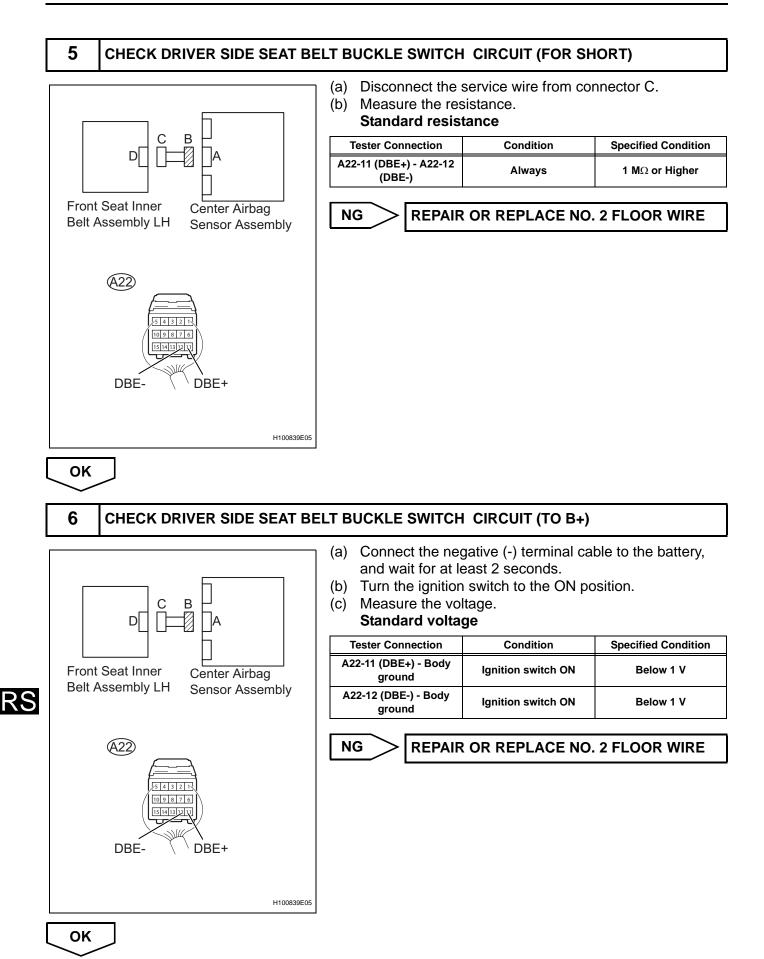
- (h) Disconnect the connector from the curtain shield airbag assembly LH.
- (i) Disconnect the connector from the curtain shield airbag assembly RH.
- (j) Disconnect the connector from the front seat outer belt assembly LH.
- (k) Disconnect the connector from the front seat outer belt assembly RH.

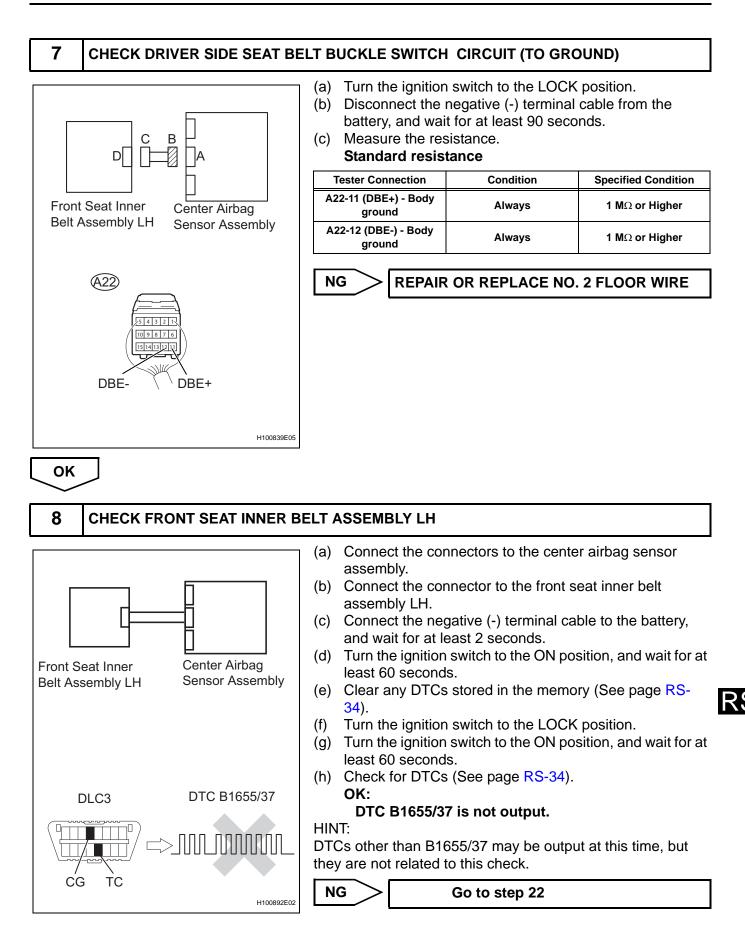
# 1 CHECK DTC



- (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) Check that the connectors are properly connected to the center airbag sensor assembly and the front seat inner belt assembly LH.





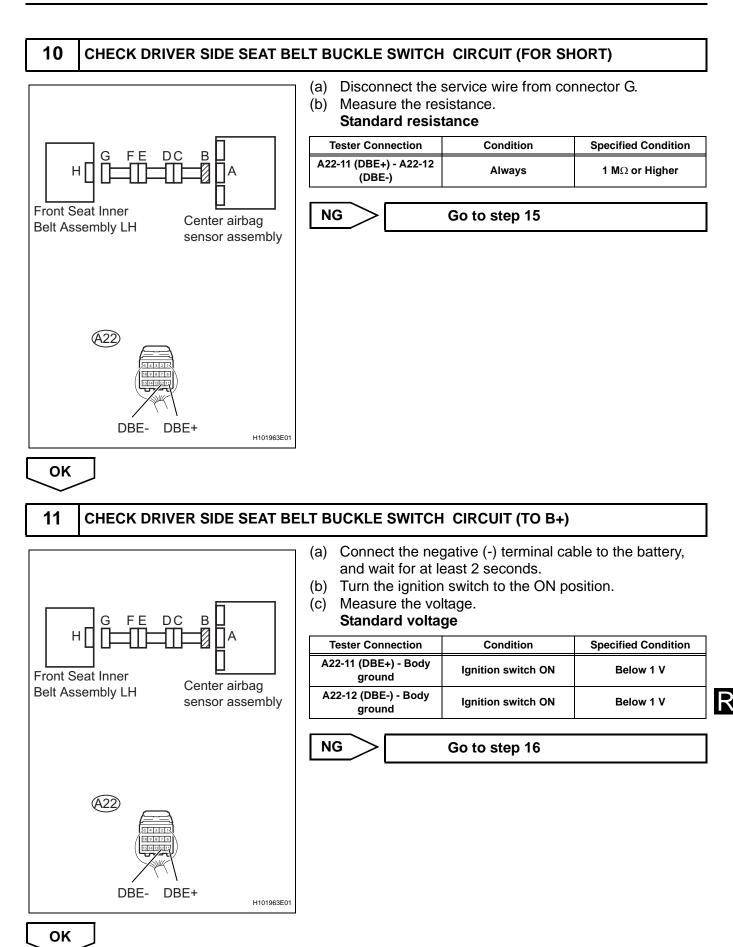


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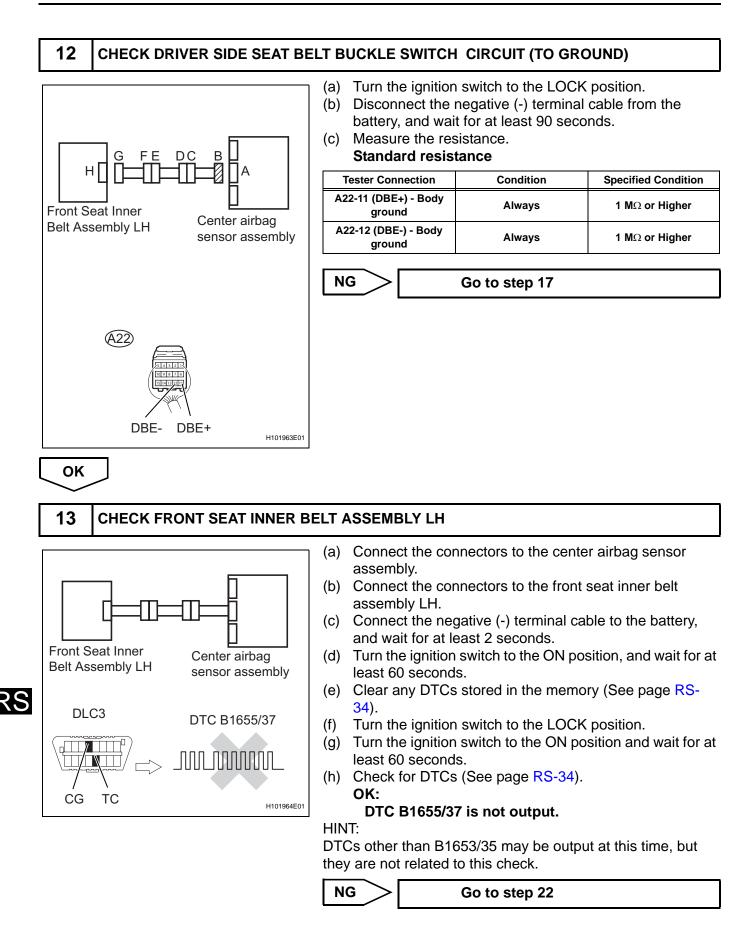
# USE SIMULATION METHOD TO CHECK

9	CHECK D	RIVER SIDE SEAT	BELT E	BUCKLE SWITCH	I CIRCUIT (FOR OF	PEN)
Front S	G F E	DC B A A Center Airbag Sensor Assembl	(b) NC Do of (c)	<ul> <li>(a) Disconnect the connectors from the center airbag sensor assembly and the seat inner belt assembly LH.</li> <li>(b) Using a service wire, connect F23-1 and F23-2 of connector G.</li> <li>NOTICE:</li> <li>Do not forcibly insert the service wire into the terminals of the connector when connecting.</li> <li>(c) Measure the resistance.</li> <li>Standard resistance</li> <li>Tester Connection</li> <li>Condition</li> </ul>		
			A	22-11 (DBE+) - A22-12 (DBE-)	Always	Below 1 Ω
F23		(A22)			Go to step 14	
Ser	rvice Wire	DBE- DBE+	2E01			
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RS-165



OK

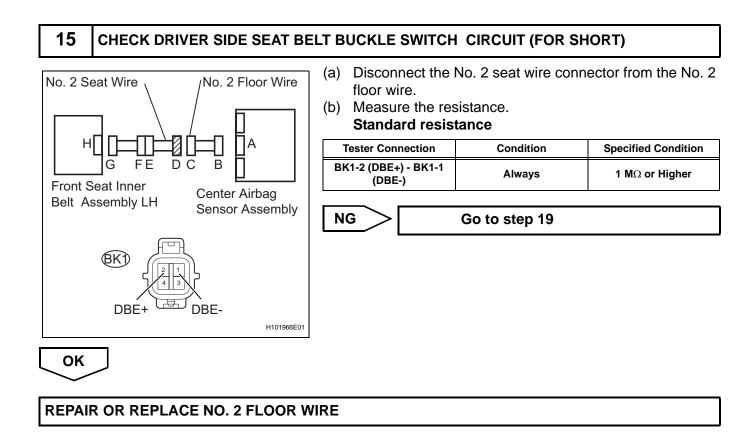
### **USE SIMULATION METHOD TO CHECK**

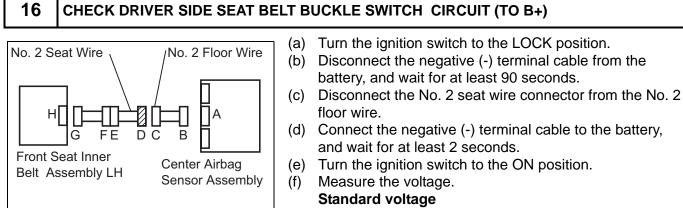
#### 14 CHECK DRIVER SIDE SEAT BELT BUCKLE SWITCH CIRCUIT (FOR OPEN) (a) Disconnect the No. 2 seat wire connector from the No. 2 floor wire. No. 2 Seat Wire No. 2 Floor Wire HINT: The service wire has already been inserted into connector G. (b) Measure the resistance. Standard resistance Н 0 А **Tester Connection** Condition **Specified Condition** G FΕ DC В BK1-2 (DBE+) - BK1-1 Always Below 1 Ω Front Seat Inner (DBE-) Center Airbag Belt Assembly LH Sensor Assembly NG Go to step 18 (F23) (BK1) DBE+ DBE-Service Wire H101965E01 OK

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

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### RS-168





NG

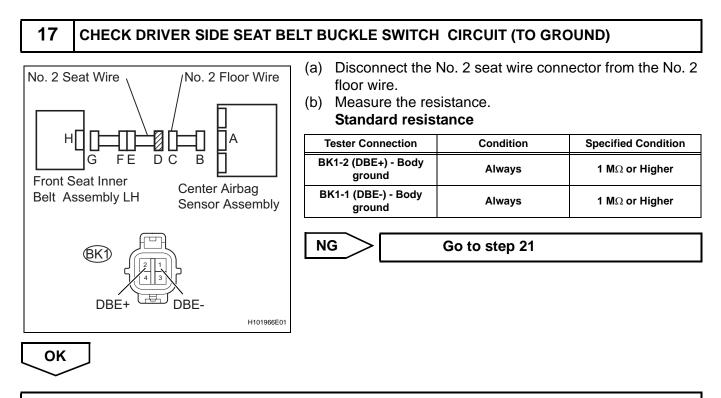
	(1)
BKD (The second se	Те
	BK
DBE+ DBE-	BK
H101966E01	

Tester Connection	Condition	Specified Condition
BK1-2 (DBE+) - Body ground	Ignition switch ON	Below 1 V
BK1-1 (DBE-) - Body ground	Ignition switch ON	Below 1 V

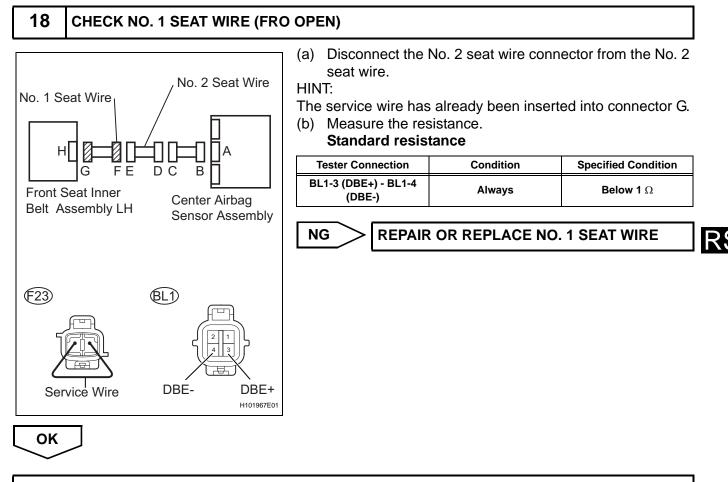
Go to step 20

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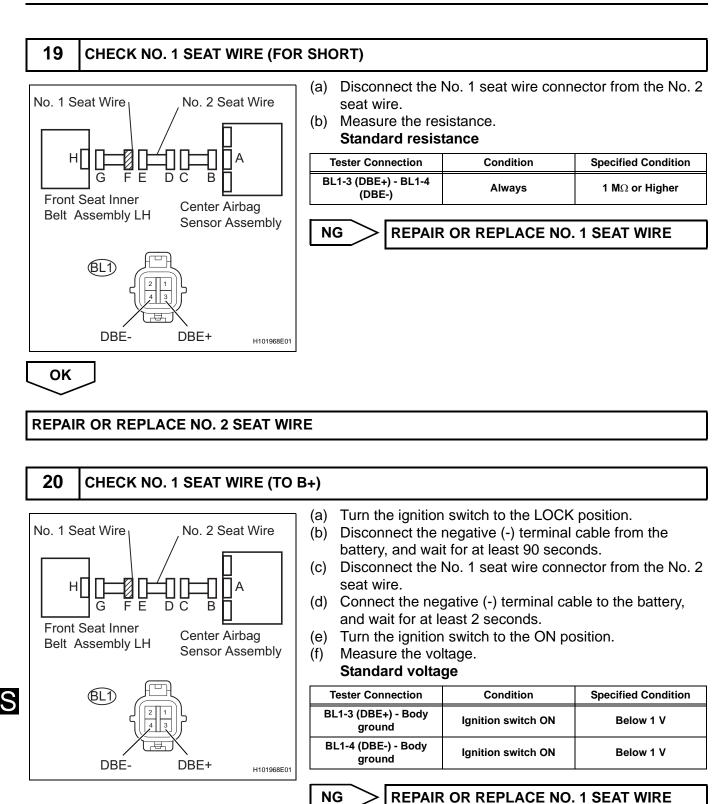
**REPAIR OR REPLACE NO. 2 FLOOR WIRE** 



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

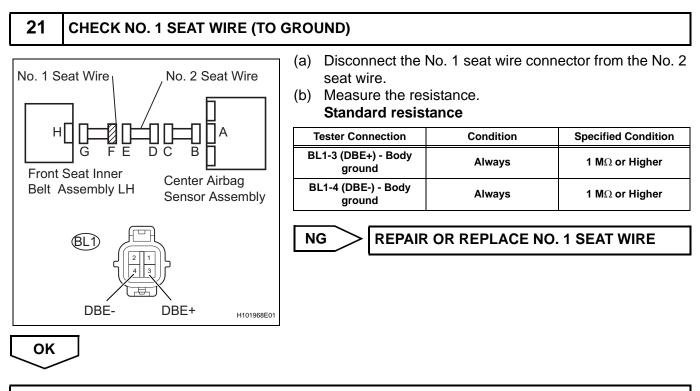


**REPAIR OR REPLACE NO. 2 SEAT WIRE** 



REPAIR OR REPLACE NO. 2 SEAT WIRE

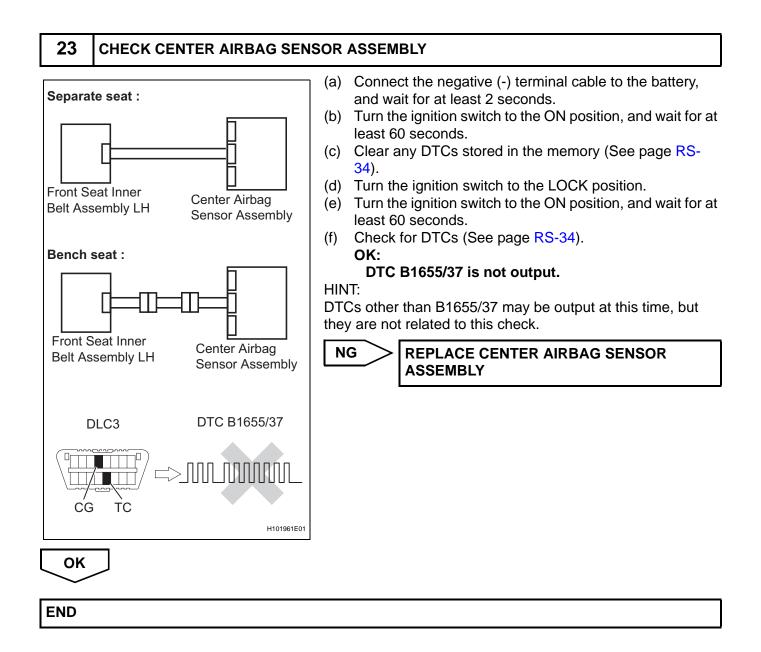
OK



### **REPAIR OR REPLACE NO. 2 SEAT WIRE**

22	REPLACE FRONT SEAT INNER BELT ASSEMBLY LH			
NEXT	<ul> <li>(a) Turn the ignition switch to the LOCK position.</li> <li>(b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.</li> <li>(c) Replace the front seat inner belt assembly LH (See page SB-12 or SB-8).</li> <li>HINT: Perform the inspection using parts from a normal vehicle when possible.</li> </ul>			





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