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2022 Lexus RX 350 Service and Repair Manual

[Go to manual page](#)

(c) Check that the terminals of the connectors are not deformed or damaged.

OK:

The terminals of the connectors are not deformed or damaged.

(d) Check that the connectors are not loose, deformed or damaged.

OK:

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

(e) Check that the short springs of the activation prevention mechanisms of the wire harness connector are not deformed or damaged.

OK:

The short springs are not deformed or damaged.

Post-procedure1

(f) None

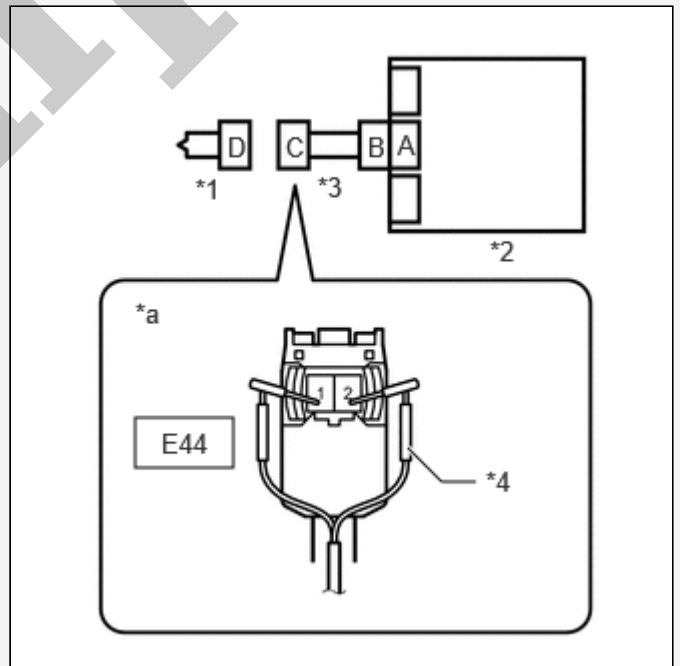
NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



4. CHECK LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY

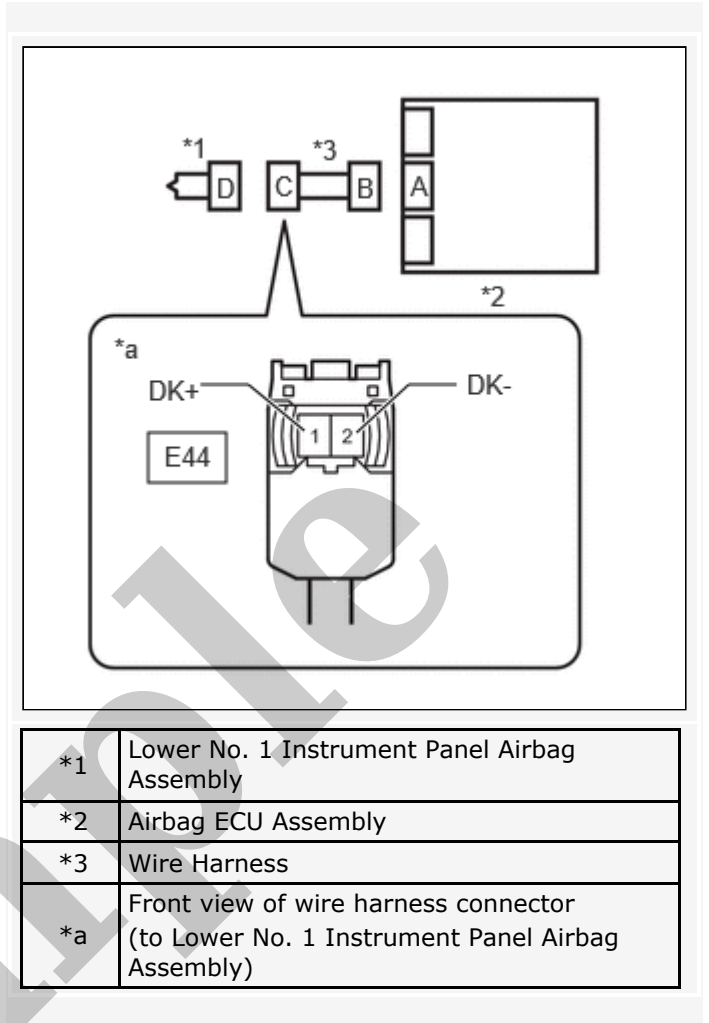
(a) Connect the E41 airbag ECU assembly connector.



*1	Lower No. 1 Instrument Panel Airbag Assembly
*2	Airbag ECU Assembly
*3	Wire Harness
*4	SST
*a	Front view of wire harness connector (to Lower No. 1 Instrument Panel Airbag Assembly)

Pre-procedure1

(a) Disconnect the E41 airbag ECU assembly connector.



Procedure1

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

Standard Resistance:



[Click Location & Routing\(E44\).](#)

[Click Connector\(E44\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
E44-1 (DK+) - Body ground	Always	1 MΩ or higher	MΩ
E44-2 (DK-) - Body ground	Always	1 MΩ or higher	MΩ

Post-procedure1

(c) None

NG REPAIR OR REPLACE HARNESS OR CONNECTOR



(d) None

A ► USE SIMULATION METHOD TO CHECK

Click here [INFO](#)

HINT:

- To perform the simulation method, enter check mode (signal check) with the GTS.
[Click here](#) [INFO](#)
- Perform the simulation method while checking the Data List.
[Click here](#) [INFO](#)

B ► REPLACE AIRBAG ECU ASSEMBLY

Sample

CAUTION / NOTICE / HINT

NOTICE:

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) battery terminal.

Click here [INFO](#)

- When disconnecting and reconnecting the battery

HINT:

When disconnecting and reconnecting the battery, there is an automatic learning function that completes learning when the respective system is used.

Click here [INFO](#)

- After replacing the airbag ECU assembly, refer to initialization.

Click here [INFO](#)

HINT:

To perform the simulation method, enter check mode (signal check) with the GTS ([INFO](#)), and then wiggle each connector of the airbag system or drive the vehicle on various types of road ([INFO](#)).

PROCEDURE

1.	CHECK DTC
-----------	------------------

Pre-procedure1

- (a) Turn the ignition switch to ON, and wait for at least 60 seconds.

Procedure1

- (b) Check for DTCs.

Body Electrical > SRS Airbag > Trouble Codes

Result	PROCEED TO
B000412 is output	A
History B000412 is output	B

Post-procedure1

- (c) None

B ▶ **USE SIMULATION METHOD TO CHECK**

Click here [INFO](#)

HINT:

- To perform the simulation method, enter check mode (signal check) with the GTS.

Click here [INFO](#)

- Perform the simulation method while checking the Data List.

Click here [INFO](#)

(c) Check that the terminals of the connectors are not deformed or damaged.

OK:

The terminals of the connectors are not deformed or damaged.

(d) Check that the connectors are not loose, deformed or damaged.

OK:

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

(e) Check that the short springs of the activation prevention mechanisms of the wire harness connector are not deformed or damaged.

OK:

The short springs are not deformed or damaged.

Post-procedure1

(f) None

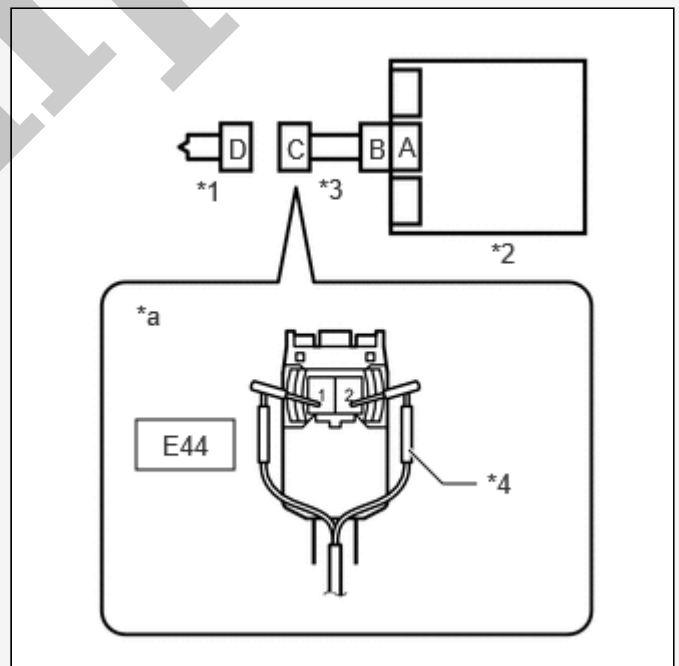
NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

OK



4. CHECK LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY

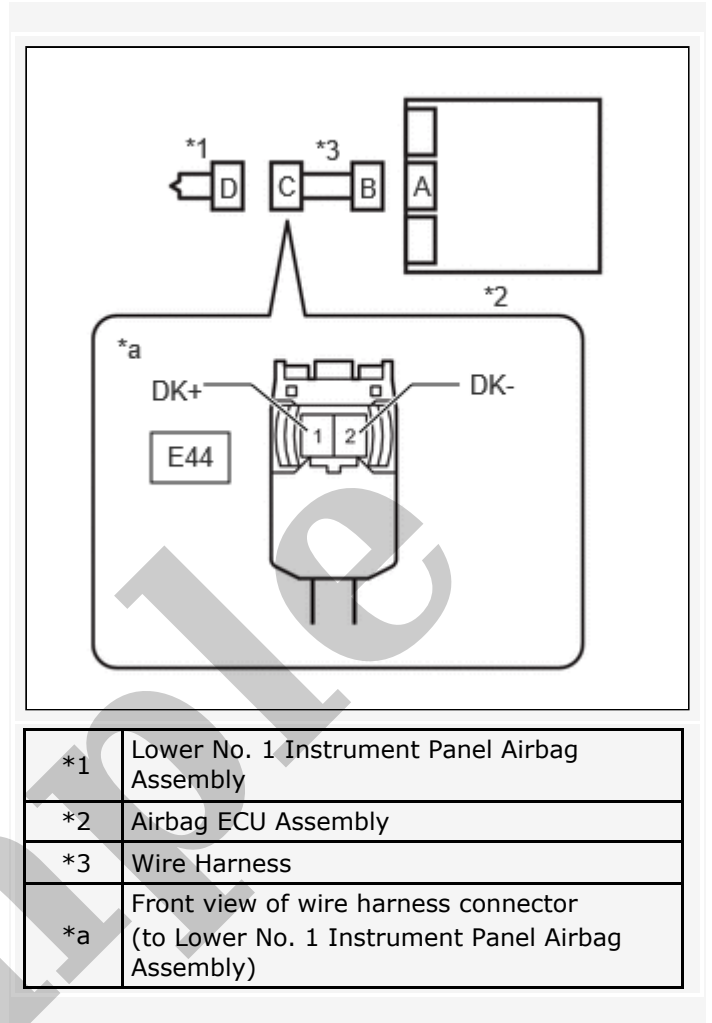
(a) Connect the E41 airbag ECU assembly connector.



*1	Lower No. 1 Instrument Panel Airbag Assembly
*2	Airbag ECU Assembly
*3	Wire Harness
*4	SST
*a	Front view of wire harness connector (to Lower No. 1 Instrument Panel Airbag Assembly)

Pre-procedure1

(a) Disconnect the E41 airbag ECU assembly connector.



(b) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.

(c) Turn the ignition switch to ON.

Procedure1

(d) Measure the voltage according to the value(s) in the table below.

Standard Voltage:



[Click Location & Routing\(E44\).](#)

[Click Connector\(E44\).](#)

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION	RESULT
E44-1 (DK+) - Body ground	Ignition switch ON	Below 1 V	V
E44-2 (DK-) - Body ground	Ignition switch ON	Below 1 V	V

Post-procedure1

(e) Turn the ignition switch off.

(f) Disconnect the cable from the negative (-) battery terminal, and wait for at least 60 seconds.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

Result	PROCEED TO
B000412 is not output	A
B000412 is output	B

Post-procedure1

(d) None

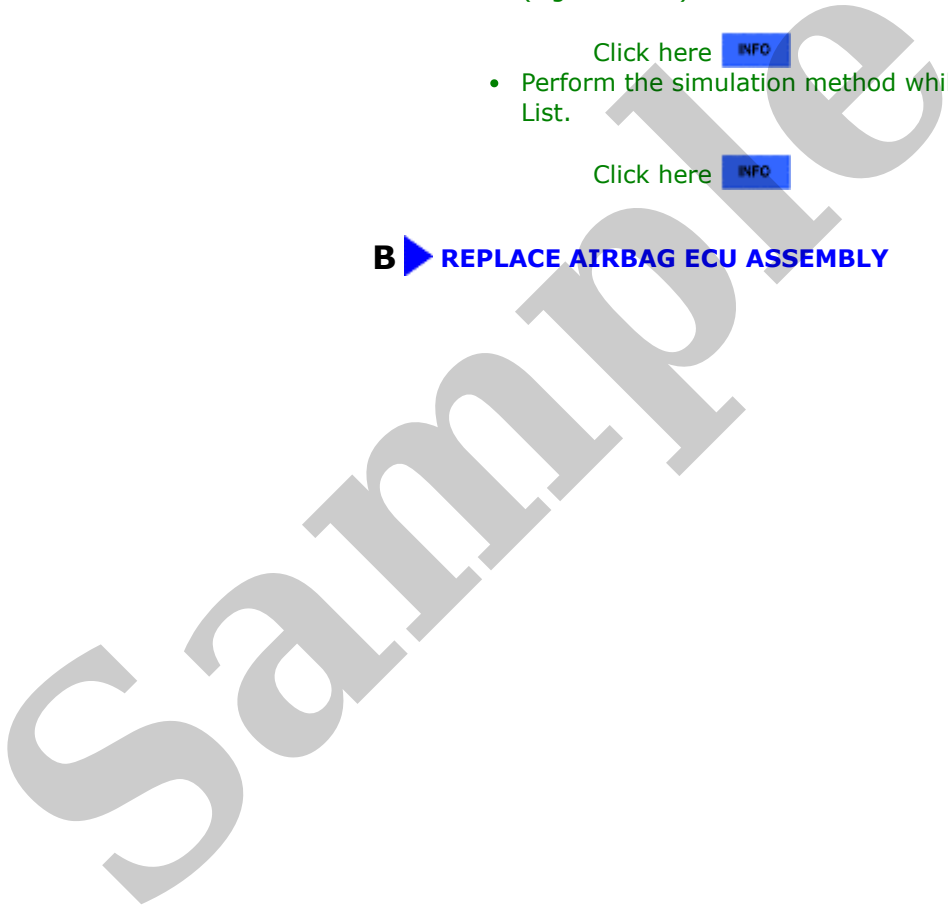
A ▶ USE SIMULATION METHOD TO CHECK

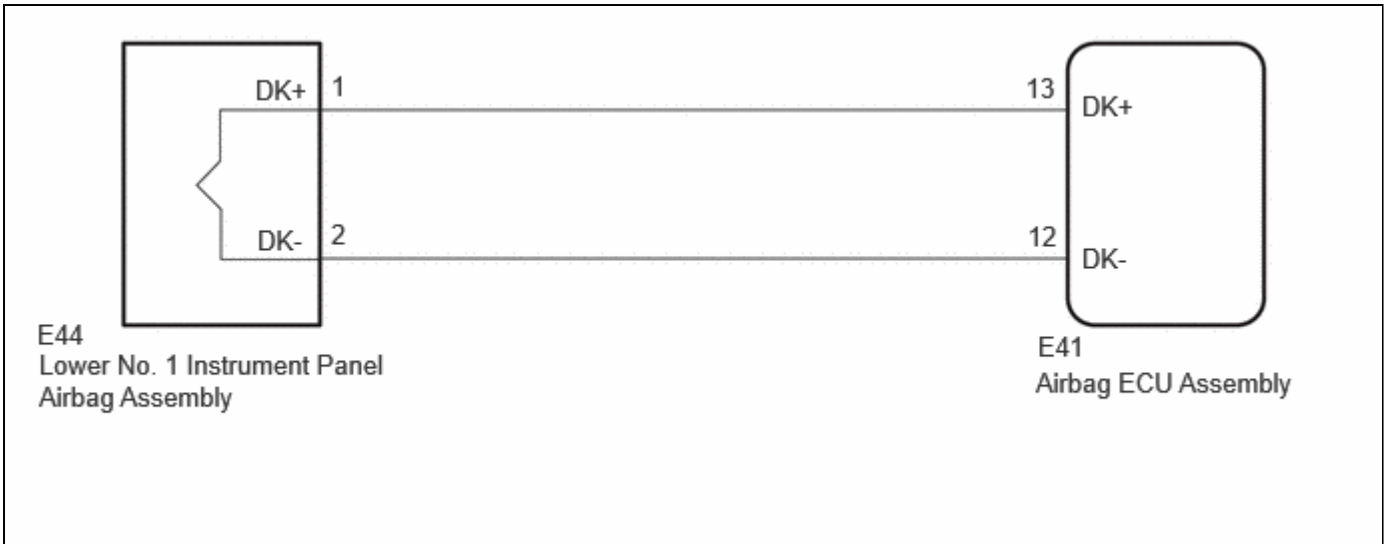
Click here [INFO](#)

HINT:

- To perform the simulation method, enter check mode (signal check) with the GTS.
[Click here](#) [INFO](#)
- Perform the simulation method while checking the Data List.
[Click here](#) [INFO](#)

B ▶ REPLACE AIRBAG ECU ASSEMBLY





CAUTION / NOTICE / HINT

NOTICE:

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) battery terminal.

[Click here](#) INFO

- When disconnecting and reconnecting the battery

HINT:

When disconnecting and reconnecting the battery, there is an automatic learning function that completes learning when the respective system is used.

[Click here](#) INFO

- After replacing the airbag ECU assembly, refer to initialization.

[Click here](#) INFO

HINT:

To perform the simulation method, enter check mode (signal check) with the GTS (INFO), and then wiggle each connector of the airbag system or drive the vehicle on various types of road (INFO).

PROCEDURE

1.	CHECK DTC
-----------	------------------

Pre-procedure1

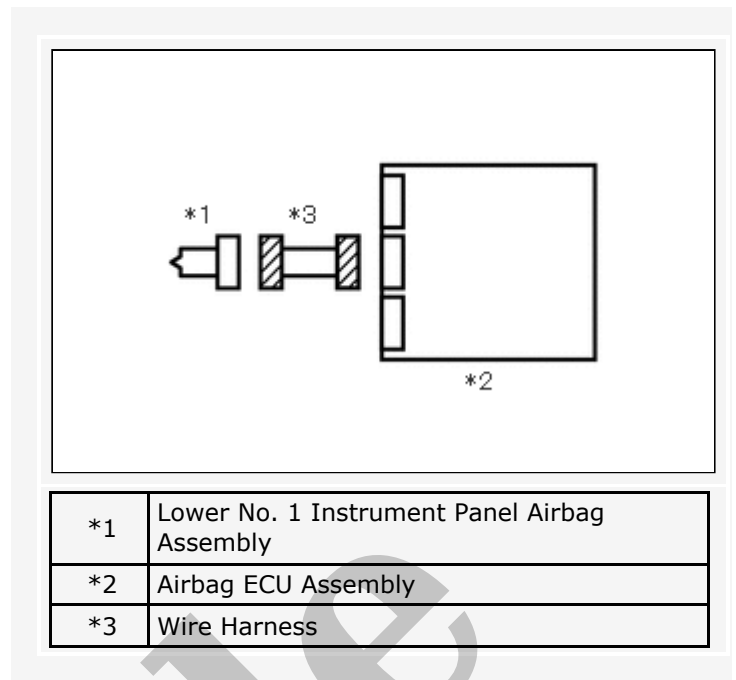
- (a) Turn the ignition switch to ON, and wait for at least 60 seconds.

Procedure1

- (b) Check for DTCs.

Body Electrical > SRS Airbag > Trouble Codes

Result	PROCEED TO
B000413 is output	A
History B000413 is output	B



(b) Disconnect the lower No. 1 instrument panel airbag assembly connector.

Procedure1

(c) Check that the terminals of the connectors are not deformed or damaged.

OK:

The terminals of the connectors are not deformed or damaged.

(d) Check that the connectors are not loose, deformed or damaged.

OK:

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

(e) Check that the short springs of the activation prevention mechanisms of the wire harness connector are not deformed or damaged.

OK:

The short springs are not deformed or damaged.

Post-procedure1

(f) None

NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

OK



4. CHECK LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY

(a) Connect the E41 airbag ECU assembly connector.