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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: B1ACB71; Front Left Speaker Cable Actuator Stuck; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

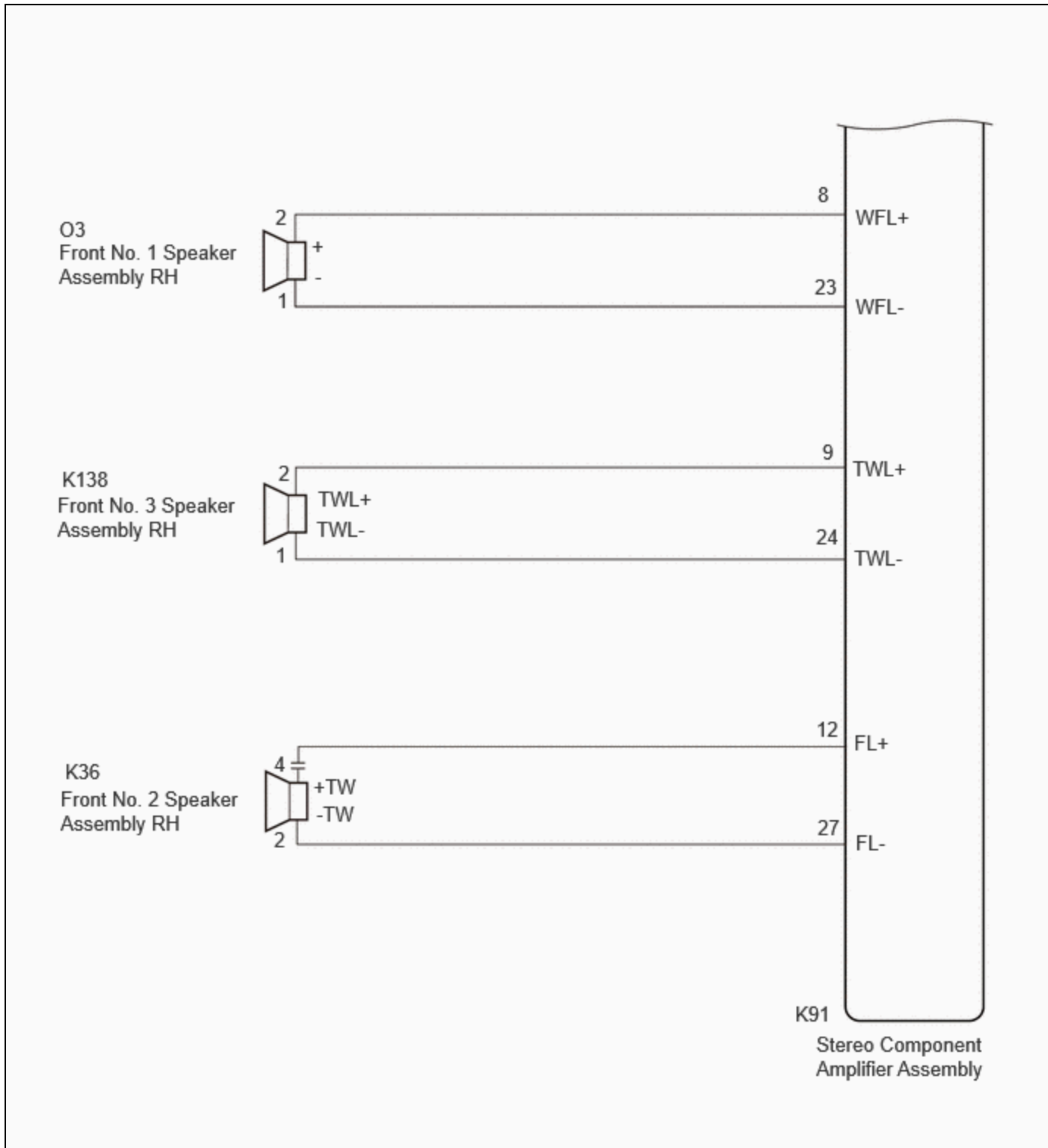
DTC	B1ACB71	Front Left Speaker Cable Actuator Stuck
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DESCRIPTION

This DTC is stored when the stereo component amplifier assembly detects an open in the front speaker LH circuit by energizing the speaker line.

DTC NO.	DETECTION ITEM	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
B1ACB71	Front Left Speaker Cable Actuator Stuck	<ul style="list-style-type: none"> • Harness or connector • Stereo component amplifier assembly • Front No. 1 speaker assembly LH • Front No. 2 speaker assembly LH • Front No. 3 speaker assembly LH 	Navigation System	A

WIRING DIAGRAM



PROCEDURE

1.	CHECK PROBLEM SYMPTOM
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(a) Confirm the problem symptoms and proceed to the respective link.

RESULT	PROCEED TO
No sound is output from the front No. 1 speaker assembly LH or front No. 3 speaker assembly LH	A
No sound is output from the front No. 2 speaker assembly LH	B

B  **GO TO STEP 10**

A



2.	CHECK HARNESS AND CONNECTOR (STEREO COMPONENT AMPLIFIER ASSEMBLY - FRONT NO. 3 SPEAKER ASSEMBLY LH)
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Pre-procedure1

- (a) Disconnect the I54 stereo component amplifier assembly connector.
- (b) Disconnect the I75 front No. 3 speaker assembly LH connector.

Procedure1

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
I54-13 (FL+) - I75-4 (+TW)	Always	Below 1 Ω	Ω
I54-28 (FL-) - I75-2 (-TW)	Always	Below 1 Ω	Ω

Post-procedure1

- (d) None

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



3.	CHECK HARNESS AND CONNECTOR (FRONT NO. 1 SPEAKER ASSEMBLY LH - FRONT NO. 3 SPEAKER ASSEMBLY LH)
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Pre-procedure1

- (a) Disconnect the I75 front No. 3 speaker assembly LH connector.

(b) Disconnect the L1 front No. 1 speaker assembly LH connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(L1\)](#)

[Click Connector\(L1\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
I75-3 (+) - L1-2	Always	Below 1 Ω	Ω
I75-1 (-) - L1-1	Always	Below 1 Ω	Ω

Post-procedure1

(d) None

NG **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



4.	INSPECT FRONT NO. 1 SPEAKER ASSEMBLY LH
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HINT:

Click here [INFO](#)

NG **REPLACE FRONT NO. 1 SPEAKER ASSEMBLY LH**

OK



5.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Navigation System > Clear DTCs

NEXT



6.	CHECK FOR DTC
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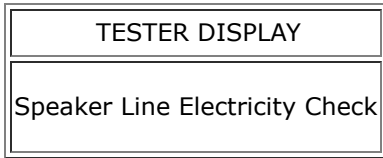
Pre-procedure1

(a) In accordance with the display of the GTS, perform a speaker circuit energization inspection.

HINT:

[Click here](#) INFO

Body Electrical > Navigation System > Utility



Procedure1

(b) Check for DTCs and proceed to the following step.

Body Electrical > Navigation System > Trouble Codes

RESULT	PROCEED TO
B1ACB71 is not output	A
B1ACB71 is output	B

Post-procedure1

(c) None

A **END (FRONT NO. 1 SPEAKER ASSEMBLY RH IS DEFECTIVE)**

B



7.	REPLACE FRONT NO. 3 SPEAKER ASSEMBLY LH
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(a) Replace the speaker assembly with a new or known good one.

HINT:

[Click here](#) INFO

NEXT



8.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Navigation System > Clear DTCs

NEXT



9.	CHECK FOR DTC
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Pre-procedure1

(a) In accordance with the display of the GTS, perform a speaker circuit energization inspection.

HINT:

Click here [INFO](#)

Body Electrical > Navigation System > Utility



Procedure1

(b) Check for DTCs and proceed to the following step.

Body Electrical > Navigation System > Trouble Codes

RESULT	PROCEED TO
B1ACB71 is not output	A
B1ACB71 is output	B

Post-procedure1

(c) None

A **END (FRONT NO. 3 SPEAKER ASSEMBLY LH IS DEFECTIVE)**

B **REPLACE STEREO COMPONENT AMPLIFIER ASSEMBLY**

[INFO](#)

10. CHECK HARNESS AND CONNECTOR (STEREO COMPONENT AMPLIFIER ASSEMBLY - FRONT NO. 2 SPEAKER ASSEMBLY LH)

Pre-procedure1

- (a) Disconnect the K91 stereo component amplifier assembly connector.
- (b) Disconnect the K36 front no. 2 speaker assembly LH connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(K91,K36\).](#)

[Click Connector\(K91\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K91-12 (FL+) - k36-2 (+TW)	Always	Below 1 Ω	Ω
K91-27 (FL-) - K36-1 (-TW)	Always	Below 1 Ω	Ω

Post-procedure1

- (d) None

NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

OK



11. REPLACE FRONT NO. 2 SPEAKER ASSEMBLY LH

- (a) Replace the speaker assembly with a new or known good one.

HINT:

Click here [INFO](#)

NEXT



12. CLEAR DTC

- (a) Clear the DTCs.

Body Electrical > Navigation System > Clear DTCs

NEXT



13.	CHECK FOR DTC
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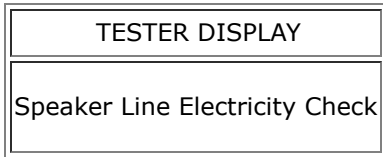
Pre-procedure1

(a) In accordance with the display of the GTS, perform a speaker circuit energization inspection.

HINT:

[Click here](#)

Body Electrical > Navigation System > Utility



Procedure1

(b) Check for DTCs and proceed to the following step.

Body Electrical > Navigation System > Trouble Codes

RESULT	PROCEED TO
B1ACB71 is not output	A
B1ACB71 is output	B

Post-procedure1

(c) None

A **END (FRONT NO. 2 SPEAKER ASSEMBLY LH IS DEFECTIVE)**

B **REPLACE STEREO COMPONENT AMPLIFIER ASSEMBLY**

