

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000028BWV
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: ACOUSTIC VEHICLE ALERTING SYSTEM: ACOUSTIC VEHICLE ALERTING SYSTEM: B135013,B135019; Acoustic Vehicle Alerting Speaker Circuit Open; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	B135013	Acoustic Vehicle Alerting Speaker Circuit Open
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DTC	B135019	Acoustic Vehicle Alerting Speaker Circuit Current Above Threshold
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DESCRIPTION

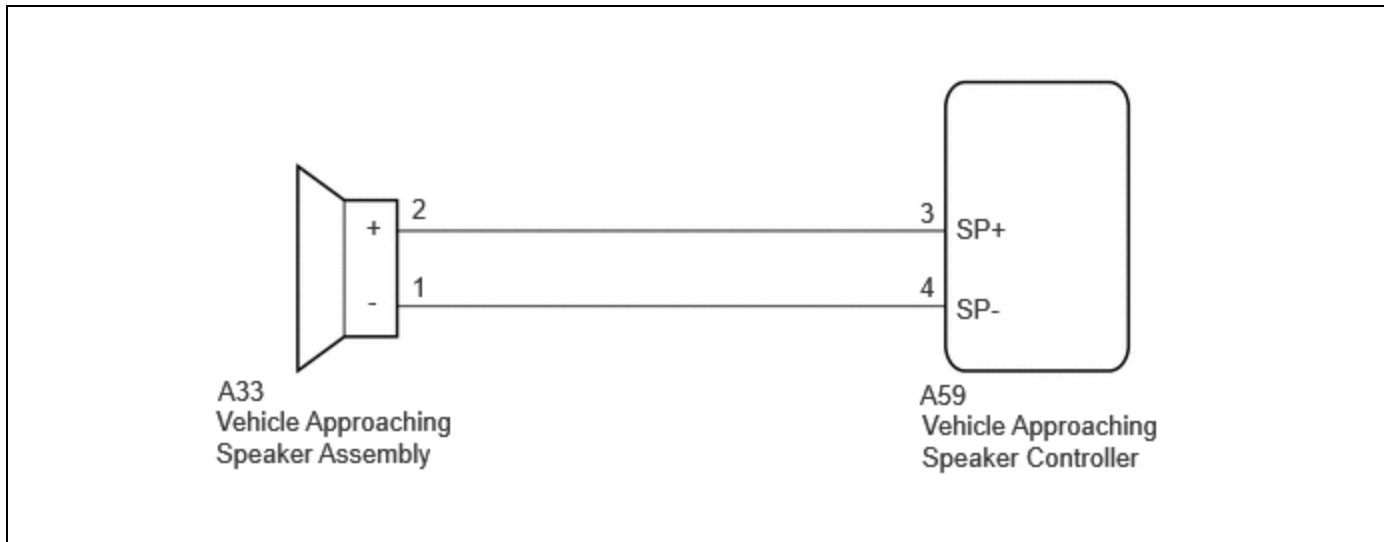
The vehicle approaching speaker assembly circuit consists of the vehicle approaching speaker controller and vehicle approaching speaker assembly.

This DTC is stored when a malfunction is detected in the vehicle approaching speaker assembly circuit or vehicle approaching speaker controller.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
B135013	Acoustic Vehicle Alerting Speaker Circuit Open	<p>Detection condition:</p> <ol style="list-style-type: none"> The ignition switch is ON. Power source voltage is 10 V or more. <p>Malfunction status:</p> <p>When ECU output sound signal is being monitored with warning sound not being output, a speaker circuit open, short or short to ground is detected.</p> <p>Malfunction duration:</p> <p>5 seconds or more</p>	<ul style="list-style-type: none"> Vehicle approaching speaker controller Vehicle approaching speaker assembly Harness or connector 	Acoustic Vehicle Alerting System	A
B135019	Acoustic Vehicle Alerting Speaker Circuit Current Above Threshold	<p>Detection condition:</p> <ol style="list-style-type: none"> The ignition switch is ON. Power source voltage is 9 V or more. <p>Malfunction status:</p> <p>When vehicle proximity warning sound output conditions are met, an internal malfunction is</p>	<ul style="list-style-type: none"> Vehicle approaching speaker controller Vehicle approaching speaker assembly Harness or connector 	Acoustic Vehicle Alerting System	A

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
		continuously detected in the vehicle approaching speaker controller. Malfunction duration: 1 second or more			

WIRING DIAGRAM



PROCEDURE

1.	INSPECT VEHICLE APPROACHING SPEAKER ASSEMBLY
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Click here [INFO](#)

NG **REPLACE VEHICLE APPROACHING SPEAKER ASSEMBLY**

OK



2.	CHECK HARNESS AND CONNECTOR (VEHICLE APPROACHING SPEAKER ASSEMBLY - VEHICLE APPROACHING SPEAKER CONTROLLER)
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Pre-procedure1

(a) Disconnect the A59 vehicle approaching speaker controller connector.

(b) Disconnect the A33 vehicle approaching speaker assembly connector.

Procedure1

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

Standard Resistance:



[Click Location & Routing\(A33,A59\).](#)

[Click Connector\(A33\).](#)

[Click Connector\(A59\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
A33-2 (+) - A59-3 (SP+)	Always	Below 1 Ω	Ω
A33-1 (-) - A59-4 (SP-)	Always	Below 1 Ω	Ω
A33-2 (+) or A59-3 (SP+) - Body ground	Always	10 k Ω or higher	k Ω
A33-1 (-) or A59-4 (SP-) - Body ground	Always	10 k Ω or higher	k Ω
A33-1 (-) - A33-2 (+)	Always	10 k Ω or higher	k Ω

Post-procedure1

(d) None

OK ► REPLACE VEHICLE APPROACHING SPEAKER
CONTROLLER

NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

