

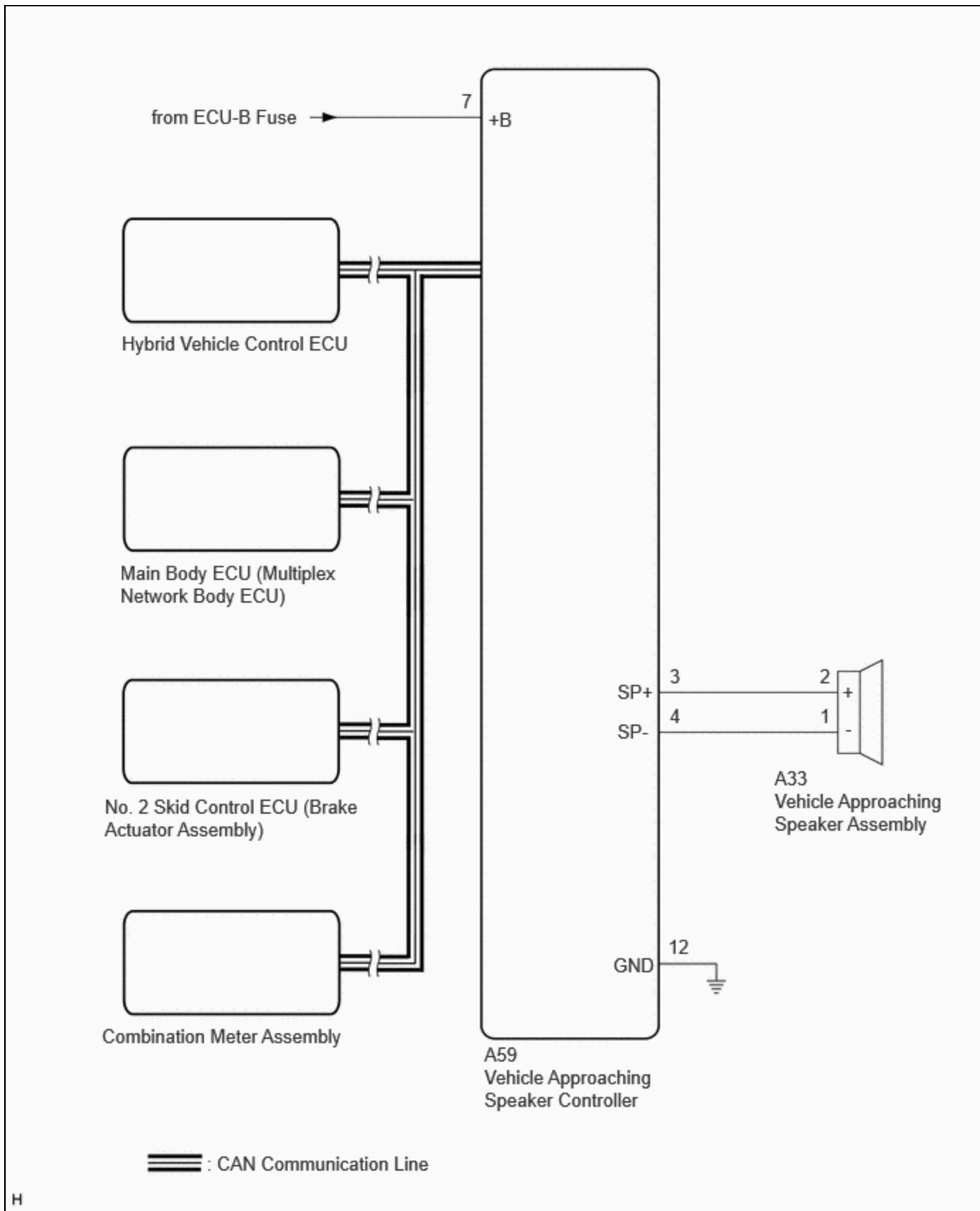
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|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------|
| Last Modified: 12-04-2024 | 6.11:8.1.0 | Doc ID: RM100000028BWY |
| Model Year Start: 2023 | Model: Prius Prime | Prod Date Range: [12/2022 -] |
| Title: ACOUSTIC VEHICLE ALERTING SYSTEM: ACOUSTIC VEHICLE ALERTING SYSTEM: There is No Sound Made; 2023 - 2024 MY Prius Prius Prime [12/2022 -] | | |

There is No Sound Made

DESCRIPTION

Based on signals received from each ECU, the vehicle approaching speaker controller outputs warning sounds through the vehicle approaching speaker assembly.

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

- Inspect the fuses for circuits related to this system before performing the following procedure.

- The acoustic vehicle alerting system uses the CAN communication system. Inspect the communication functions by following How to Proceed with Troubleshooting.

[Click here](#) INFO

PROCEDURE

| | |
|-----------|----------------------|
| 1. | CHECK FOR DTC |
|-----------|----------------------|

(a) Check for DTCs.

Body Electrical > Acoustic Vehicle Alerting System > Trouble Codes

| RESULT | PROCEED TO |
|------------------------------------|------------|
| B135013 and B135019 are not output | A |
| B135013 or B135019 is output | B |

B ▶ [GO TO DTC CHART B135013](#)

A



| | |
|-----------|--------------------------------------|
| 2. | PERFORM ACTIVE TEST USING GTS |
|-----------|--------------------------------------|

(a) Perform the Active Test according to the display on the GTS.

Body Electrical > Acoustic Vehicle Alerting System > Active Test

| TESTER DISPLAY | MEASUREMENT ITEM | CONTROL RANGE | DIAGNOSTIC NOTE |
|-----------------------------------|--------------------------------------------------|---------------|-----------------|
| Proximity Sound (20km/h,12MPH) | 20 km/h (12 mph) vehicle proximity warning sound | OFF or ON | - |

Body Electrical > Acoustic Vehicle Alerting System > Active Test

| |
|--------------------------------|
| TESTER DISPLAY |
| Proximity Sound (20km/h,12MPH) |

| RESULT | PROCEED TO |
|-------------------------------|------------|
| The warning sound is produced | A |

| | |
|-----------------------------------|------------|
| RESULT | PROCEED TO |
| The warning sound is not produced | B |

A  **REPLACE VEHICLE APPROACHING SPEAKER CONTROLLER** 

B


| | |
|-----------|------------------------------------------------------------------------------------------------------------|
| 3. | CHECK HARNESS AND CONNECTOR (VEHICLE APPROACHING SPEAKER CONTROLLER - POWER SOURCE AND BODY GROUND) |
|-----------|------------------------------------------------------------------------------------------------------------|

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

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

Standard Voltage:



[Click Location & Routing\(A59\)](#)

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

| TESTER CONNECTION | CONDITION | SPECIFIED CONDITION |
|--------------------------|---------------------|---------------------|
| A59-7 (+B) - Body ground | Ignition switch off | 11 to 14 V |

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

Standard Resistance:



[Click Location & Routing\(A59\)](#)

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

| TESTER CONNECTION | CONDITION | SPECIFIED CONDITION |
|----------------------------|-----------|---------------------|
| A59-12 (GND) - Body ground | Always | Below 1 Ω |

OK  **REPLACE VEHICLE APPROACHING SPEAKER CONTROLLER** 

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

