

ACM.

The RHF door speaker and RHF A-pillar tweeter speaker share the same audio signal.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B1A02:01	Speaker #2: General Electrical Failure	Set by the ACM when a failure is detected on the RHF door or RHF A-pillar tweeter speaker circuits.
B1A02:11	Speaker #2: Circuit Short To Ground	Set by the ACM when a short to ground is detected on the RHF door or RHF A-pillar tweeter speaker circuits. When DTC B1A02:11 is set, the speaker output is disabled.
B1A02:12	Speaker #2: Circuit Short To Battery	Set by the ACM when a short to voltage is detected on the RHF door or RHF A-pillar tweeter speaker circuits. When DTC B1A02:12 is set, the speaker output is disabled.
B1A02:13	Speaker #2: Circuit Open	Set by the ACM when an open is detected on the RHF door or RHF A-pillar tweeter speaker circuits.

Possible Sources

- Speaker
- Wiring, terminals, or connectors
- ACM

DIAGNOSIS AND TESTING > INFORMATION AND ENTERTAINMENT SYSTEM > PINPOINT TESTS > PINPOINT TEST K : THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER IS INOPERATIVE > PINPOINT TEST K : THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER IS INOPERATIVE

K1 CHECK THE AUDIO SIGNAL TO THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER

Ignition OFF.

Disconnect: RHF Door Speaker C628 .

Operate the audio system in AM/ FM mode.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C628-1		C628-4

Is a fluctuating AC voltage present?

Yes	INSTALL a new RHF door speaker. REFER to: Front Door Speaker LH .
No	GO to K2

K2 CHECK THE AUDIO CIRCUITS TO THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER FOR A SHORT TO VOLTAGE

Ignition OFF.

Disconnect: ACM C240A .

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C628-1		Ground
C628-4		Ground

Is any voltage present?

Yes	REPAIR the circuit in question.
No	GO to K3

K3 CHECK THE AUDIO CIRCUITS TO THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER FOR A SHORT TO GROUND

Ignition OFF.

Disconnect: RHF A-Pillar Tweeter Speaker C231 .

Disconnect: ACM C240A .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C628-1	Ω	Ground
C628-4	Ω	Ground

Are the resistances greater than 10, 000 ohms?

Yes	GO to K4
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No	REPAIR the circuit in question.
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K4 CHECK THE AUDIO CIRCUITS TO THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER FOR AN OPEN

Measure:

Positive Lead	Measurement / Action	Negative Lead
C628-1	Ω	C240A-23
C628-4	Ω	C240A-11

Are the resistances less than 3 ohms?

Yes	GO to K5
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No	REPAIR the circuit in question.
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K5 CHECK THE AUDIO CIRCUITS TO THE RHF (RIGHT-HAND FRONT) DOOR SPEAKER FOR A SHORT TOGETHER

Measure:

Positive Lead	Measurement / Action	Negative Lead
C628-1	Ω	C628-4

Is the resistance greater than 10, 000 ohms?

Yes	GO to K6
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No	REPAIR the circuit in question.
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K6 CHECK FOR CORRECT ACM (AUDIO FRONT CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all the ACM connectors.

Repair:

Corrosion (clean module pins or install new connectors or terminals)

Damaged or bent pins (install new terminals or pins)