Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM10000000291ZK
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [12/2022 -]
Title: AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: B154913; Voice Recognition Microphone2 Circuit Open; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	**B154913**	**Voice Recognition Microphone2 Circuit Open**

DESCRIPTION

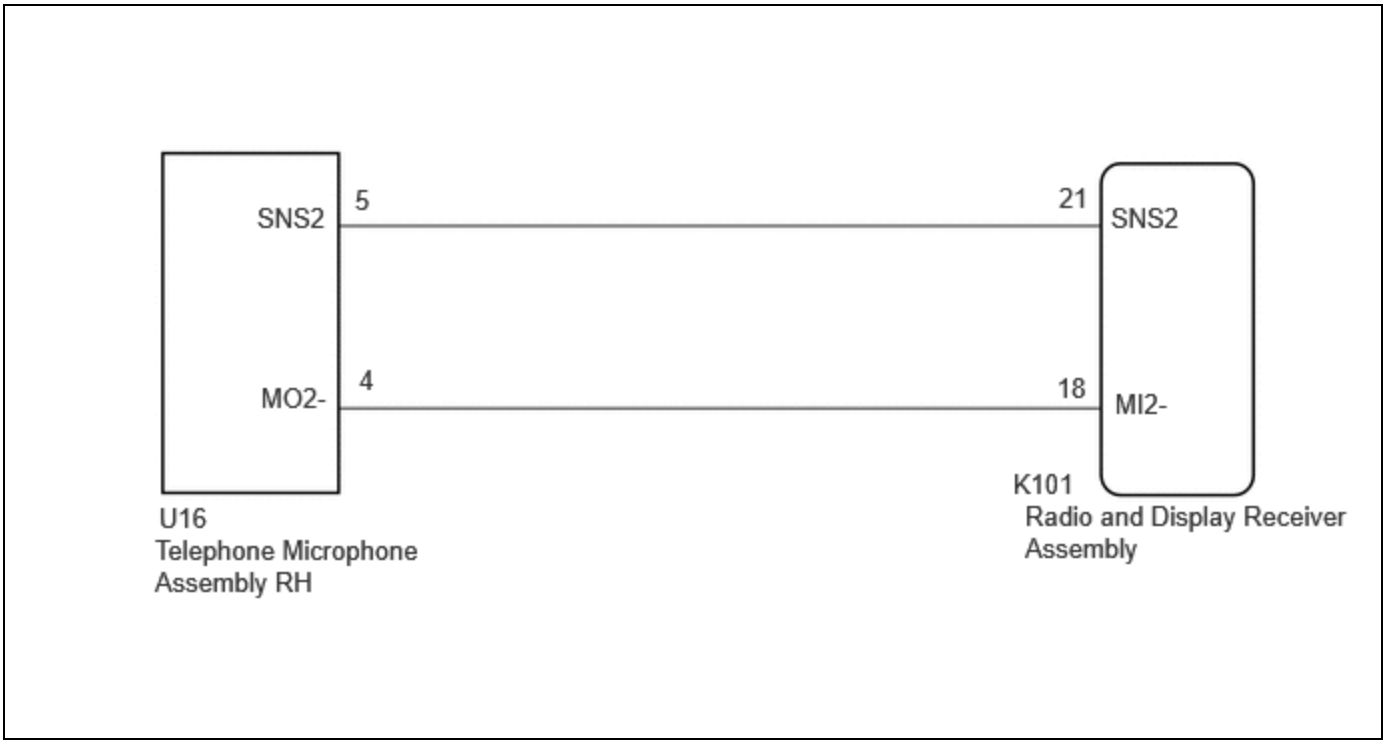
The telephone microphone assembly RH is connected to the radio and display receiver assembly via voice recognition microphone 2 signal detection line.

This DTC is stored when the radio and display receiver assembly detects disconnection of telephone microphone assembly RH.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
B154913	Voice Recognition Microphone2 Circuit Open	Voice recognition microphone 2 terminal (SNS2) disconnected (2 trip detection logic)	• Telephone microphone assembly RH • Radio and display receiver assembly • Harness or connector • DCM (Telematics transceiver)*	Navigation System	A

*: w/ DCM (Telematics transceiver)

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

- When replacing the telematics transceiver, make sure to replace it with a new one (w/ Telematics Transceiver).
- Depending on the parts that are replaced during vehicle inspection or maintenance, performing initialization, registration or calibration may be needed.

Click here INFO

PROCEDURE

1.	**CHECK HARNESS AND CONNECTOR (RADIO AND DISPLAY RECEIVER ASSEMBLY - TELEPHONE MICROPHONE ASSEMBLY RH)**

Pre-procedure1

(a) Disconnect the K101 radio and display receiver assembly connector.

(b) Disconnect the U16 telephone microphone assembly RH connector.

Procedure1

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

Standard Resistance:

EWD INFO

Click Location & Routing(K101,U16)
Click Connector(K101)
Click Connector(U16)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K101-21 (SNS2) - U16-5 (SNS2)	Always	Below 1 Ω	Ω
K101-18 (MI2-) - U16-4 (MO2-)	Always	Below 1 Ω	Ω
K101-21 (SNS2) or U16-5 (SNS2) - Body ground	Always	10 kΩ or higher	kΩ
K101-18 (MI2-) or U16-4 (MO2-) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK ▼

2.	**INSPECT RADIO & DISPLAY RECEIVER ASSEMBLY (MI2-)**

Pre-procedure1

(a) With the radio and display receiver assembly connectors connected, disconnect the U16 telephone microphone assembly RH connector.

Procedure1

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

Standard Resistance:

EWD INFO

Click Location & Routing(U16)
Click Connector(U16)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
U16-4 (MO2-) - Body ground	Always	Below 1 Ω	Ω

Post-procedure1

(c) None

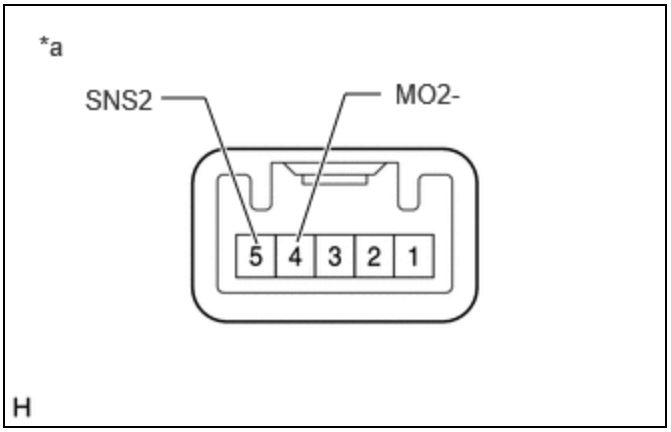
NG ▶ **REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY**

OK ▼

3.	**INSPECT TELEPHONE MICROPHONE ASSEMBLY RH (SNS2, MO2-)**

Pre-procedure1

(a) Remove the telephone microphone assembly RH.



*a	Component without harness connected (Telephone microphone assembly RH)

Procedure1

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

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
5 (SNS2) - 4 (MO2-)	Always	Below 1 Ω	Ω

Post-procedure1

(c) None

OK ▶ **REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY**

NG ▶ **REPLACE TELEPHONE MICROPHONE ASSEMBLY RH**

INFO