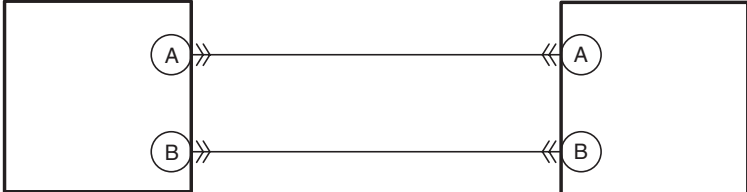
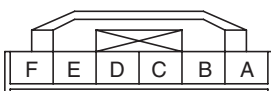
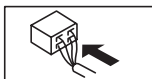
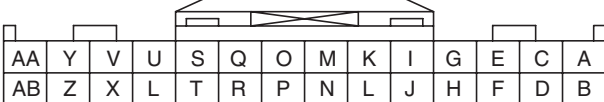
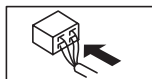


DTC: B116A:13 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/TEL) SYSTEM)]

id0902g8452100

Description	Open circuit in microphone circuit
Detection condition	Microphone non-connection signal constantly detected
Fail-safe function	—
Possible cause	<ul style="list-style-type: none"> • Connector or terminal malfunction • Open circuit in wiring harness between Bluetooth unit terminal B and microphone terminal B • Short to ground in wiring harness between Bluetooth unit terminal A and microphone terminal A • Microphone malfunction • Bluetooth unit malfunction
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>MICROPHONE</p>  <p>WIRING HARNESS-SIDE CONNECTOR</p>   </div> <div style="text-align: center;"> <p>Bluetooth UNIT</p>   </div> </div>	

Diagnostic Procedure

Step	Inspection	Action	
1	INSPECT MICROPHONE CONNECTOR STATUS <ul style="list-style-type: none"> • Switch the ignition off (LOCK). • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Disconnect the microphone connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is there any malfunctioning part? 	Yes	Repair or replace the connector, then go to Step 5.
		No	Go to the next step.
2	INSPECT BLUETOOTH UNIT CONDITION <ul style="list-style-type: none"> • Disconnect the Bluetooth unit connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is there any malfunctioning part? 	Yes	Repair or replace the connector, then go to Step 5.
		No	Go to the next step.

Step	Inspection	Action	
3	INSPECT MICROPHONE CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> Inspect the wiring harness for continuity between Bluetooth unit terminal B and microphone terminal B (vehicle wiring harness side). Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to Step 5.
4	INSPECT FOR SHORT TO GROUND IN MICROPHONE INPUT CIRCUIT <ul style="list-style-type: none"> Inspect for continuity between Bluetooth unit terminal A (vehicle wiring harness side) and body ground. Is there continuity? 	Yes	Repair or replace the wiring harness which has a short to ground, then go to the next step.
		No	Go to the next step.
5	PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS MICROPHONE OR BLUETOOTH UNIT <ul style="list-style-type: none"> Reconnect all the disconnected connectors. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Perform an inspection of the Bluetooth unit DTCs. (See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/TEL) SYSTEM)].) Is the same DTC displayed? 	Yes	Replace the microphone, then go to the next step. (See MICROPHONE REMOVAL/INSTALLATION.)
		No	Go to Step 7.
6	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> Perform an inspection of the Bluetooth unit DTCs. (See DTC INSPECTION [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/TEL) SYSTEM)].) Is the same DTC displayed? 	Yes	Replace the Bluetooth unit, then go to the next step. (See Bluetooth UNIT REMOVAL/INSTALLATION.)
		No	Go to the next step.
7	VERIFY IF OTHER DTCs DISPLAYED <ul style="list-style-type: none"> Are any other DTCs displayed? 	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/TEL) SYSTEM)].)
		No	DTC troubleshooting completed.