

DTC: B116A:12, 26:Er82 [Bluetooth SYSTEM (HANDS-FREE TELEPHONE (HF/TEL) SYSTEM)]

id0902g8440100

Description	Open circuit in microphone circuit
Detection condition	Short to power supply detected in microphone input circuit
Fail-safe function	—
Possible cause	<ul style="list-style-type: none"> • Connector or terminal malfunction • Open circuit 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>MICROPHONE WIRING HARNESS-SIDE CONNECTOR</p> </div> <div style="text-align: center;"> <p>Bluetooth UNIT</p> <p>Bluetooth UNIT WIRING HARNESS-SIDE CONNECTOR</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 4.
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? 	No
		Go to the next step.

Step	Inspection	Action	
3	INSPECT FOR SHORT TO POWER SUPPLY IN MICROPHONE INPUT CIRCUIT <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].) • Switch the ignition ON (engine off). • Measure the voltage of Bluetooth unit terminal A (vehicle wiring harness side). • Is the voltage B+? 	Yes	Repair or replace the wiring harness which has a short to the power supply, then go to the next step.
		No	Go to the next step.
4	PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS MICROPHONE OR BLUETOOTH UNIT <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 microphone, then go to the next step. (See MICROPHONE REMOVAL/INSTALLATION.)
		No	Go to Step 6.
5	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.
6	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.