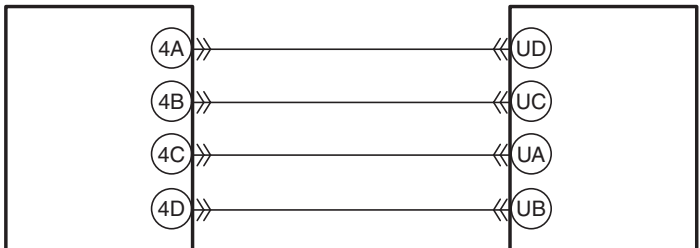
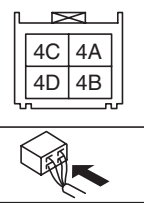
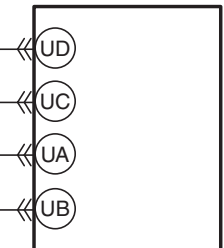
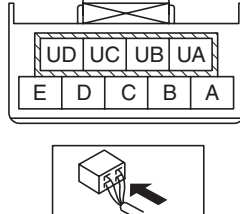


Note

- “iPod” is a registered trademark of Apple Inc. in the United States and other countries.

Audio unit (with color LCD)

Description	Poor connection with auxiliary jack/USB port, or read error
Detection condition	<ul style="list-style-type: none"> • When USB device/iPod connected, connection error detected • When USB device/iPod connected, audio unit internal malfunction detected • When USB device connected, read error detected
Fail-safe function	—
Possible cause	<ul style="list-style-type: none"> • USB device/iPod malfunction • Incompatible USB device (format) used • Audio unit connector or terminal malfunction • Auxiliary jack/USB port connector or terminal malfunction • Open circuit in wiring harness between the following terminals: <ul style="list-style-type: none"> — Audio unit terminal 4A and auxiliary jack/USB port terminal UD — Audio unit terminal 4B and auxiliary jack/USB port terminal UC — Audio unit terminal 4C and auxiliary jack/USB port terminal UA — Audio unit terminal 4D and auxiliary jack/USB port terminal UB • Short to ground in wiring harness between the following terminals: <ul style="list-style-type: none"> — Audio unit terminal 4A and auxiliary jack/USB port terminal UD — Audio unit terminal 4B and auxiliary jack/USB port terminal UC — Audio unit terminal 4C and auxiliary jack/USB port terminal UA — Audio unit terminal 4D and auxiliary jack/USB port terminal UB • Auxiliary jack/USB port malfunction • Audio unit malfunction
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>AUDIO UNIT</p>  <p>AUDIO UNIT WIRING HARNESS-SIDE CONNECTOR</p>  </div> <div style="text-align: center;"> <p>AUXILIARY JACK/USB PORT</p>  <p>AUXILIARY JACK/USB PORT WIRING HARNESS-SIDE CONNECTOR</p>  </div> </div>	

Diagnostic Procedure

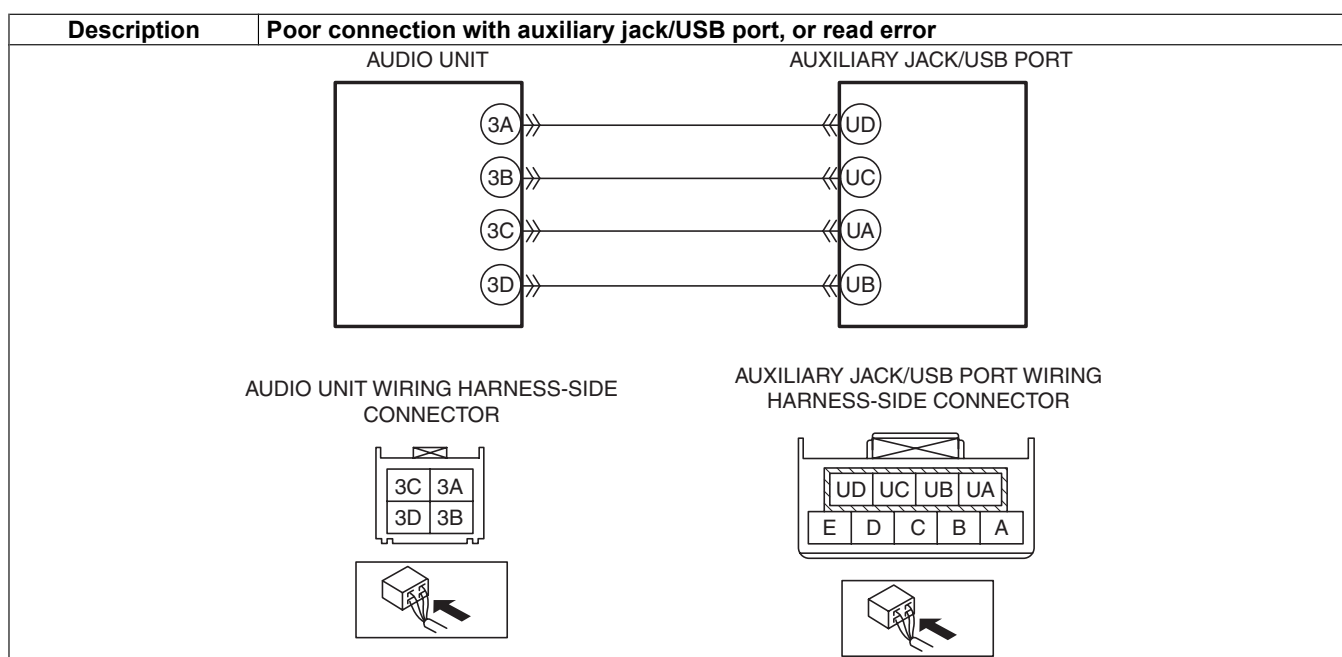
Step	Inspection	Action
1	INSPECT USB DEVICE/iPod <ul style="list-style-type: none"> • Connect the USB device/iPod to a same-model vehicle (model/unit). • Is the USB device/iPod connection detected/ unit plays back. 	<div style="display: flex; justify-content: space-between;"> <div> <p>Yes</p> <p>No</p> </div> <div> <p>Go to the next step.</p> <p>System is normal. (USB device/iPod malfunction or incompatible USB device.)</p> <p>Go to Step 7.</p> </div> </div>

Step	Inspection	Action	
2	INSPECT AUDIO UNIT CONNECTOR CONDITION <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 audio 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 7.
		No	Go to the next step.
3	INSPECT AUXILIARY JACK/USB PORT CONNECTOR CONDITION <ul style="list-style-type: none"> • Disconnect the auxiliary jack/USB port 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 7.
		No	Go to the next step.
4	INSPECT WIRING HARNESS FOR OPEN CIRCUIT BETWEEN AUDIO UNIT AND AUXILIARY JACK/USB PORT <ul style="list-style-type: none"> • Verify that the connectors for the audio unit and the auxiliary jack/USB port are not disconnected. • Inspect for continuity between the following terminals (vehicle wiring harness). <ul style="list-style-type: none"> — Audio unit terminal 4A and auxiliary jack/USB port terminal UD — Audio unit terminal 4B and auxiliary jack/USB port terminal UC — Audio unit terminal 4C and auxiliary jack/USB port terminal UA — Audio unit terminal 4D and auxiliary jack/USB port terminal UB • Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness, then go to Step 7.
5	INSPECT WIRING HARNESS FOR SHORT TO GROUND BETWEEN AUDIO UNIT AND AUXILIARY JACK/USB PORT <ul style="list-style-type: none"> • Inspect for continuity between the following wiring harness terminals (vehicle wiring harness side) and body ground. <ul style="list-style-type: none"> — Auxiliary jack/USB port terminal UD — Auxiliary jack/USB port terminal UC — Auxiliary jack/USB port terminal UA — Auxiliary jack/USB port terminal UB • Is there continuity? 	Yes	Repair or replace the wiring harness, then go to Step 7.
		No	Go to the next step.
6	INSPECT AUXILIARY JACK/USB PORT <ul style="list-style-type: none"> • Inspect the auxiliary jack/USB port. (See AUXILIARY JACK/USB PORT REMOVAL/INSTALLATION.) • Is there any malfunctioning part? 	Yes	Replace the auxiliary jack/USB port, then go to Step 7. (See AUXILIARY JACK/USB PORT REMOVAL/INSTALLATION.)
		No	Go to the next step.

Step	Inspection	Action
7	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <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].) Clear the audio unit DTCs. (See CLEARING DTC [AUDIO].) Perform the audio unit DTC inspection. (See DTC INSPECTION [AUDIO].) Is the same DTC displayed? 	Yes Return to Step 1 and inspect for other possible causes. If the malfunction recurs, replace the audio unit, then go to the next step. (See DTC TABLE [AUDIO].)
		No Go to the next step.
8	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 [AUDIO].)
		No DTC troubleshooting completed.

Audio unit (without color LCD)

Description	Poor connection with auxiliary jack/USB port, or read error
Detection condition	<ul style="list-style-type: none"> When USB device/iPod connected, connection error detected When USB device/iPod connected, audio unit internal malfunction detected When USB device connected, read error detected
Fail-safe function	—
Possible cause	<ul style="list-style-type: none"> USB device/iPod malfunction Incompatible USB device (format) used Audio unit connector or terminal malfunction Auxiliary jack/USB port connector or terminal malfunction Open circuit in wiring harness between the following terminals: <ul style="list-style-type: none"> Audio unit terminal 3A and auxiliary jack/USB port terminal UD Audio unit terminal 3B and auxiliary jack/USB port terminal UC Audio unit terminal 3C and auxiliary jack/USB port terminal UA Audio unit terminal 3D and auxiliary jack/USB port terminal UB Short to ground in wiring harness between the following terminals: <ul style="list-style-type: none"> Audio unit terminal 3A and auxiliary jack/USB port terminal UD Audio unit terminal 3B and auxiliary jack/USB port terminal UC Audio unit terminal 3C and auxiliary jack/USB port terminal UA Audio unit terminal 3D and auxiliary jack/USB port terminal UB Auxiliary jack/USB port malfunction Audio unit malfunction



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT USB DEVICE/iPod <ul style="list-style-type: none"> Connect the USB device/iPod to another vehicle (model/unit). Is the USB device/iPod connection detected/unit plays back. 	Yes: Go to the next step. No: System is normal. (USB device/iPod malfunction or incompatible USB device.) Go to Step 7.
2	INSPECT AUXILIARY JACK/USB PORT CONNECTOR CONDITION <ul style="list-style-type: none"> Disconnect the auxiliary jack/USB port 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 7. No: Go to the next step.
3	INSPECT AUXILIARY JACK/USB PORT <ul style="list-style-type: none"> Inspect the auxiliary jack/USB port. (See AUXILIARY JACK/USB PORT INSPECTION.) Is there any malfunctioning part? 	Yes: Replace the auxiliary jack/USB port, then go to Step 7. (See AUXILIARY JACK/USB PORT REMOVAL/INSTALLATION.) No: Go to the next step.
4	INSPECT AUDIO UNIT CONNECTOR CONDITION <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 audio 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 7. No: Go to the next step.

Step	Inspection	Action
5	INSPECT WIRING HARNESS FOR OPEN CIRCUIT BETWEEN AUDIO UNIT AND AUXILIARY JACK/USB PORT <ul style="list-style-type: none"> • Verify that the connectors for the audio unit and the auxiliary jack/USB port are disconnected. • Inspect for continuity between the following terminals (vehicle wiring harness). <ul style="list-style-type: none"> — Audio unit terminal 3A and auxiliary jack/USB port terminal UD — Audio unit terminal 3B and auxiliary jack/USB port terminal UC — Audio unit terminal 3C and auxiliary jack/USB port terminal UA — Audio unit terminal 3D and auxiliary jack/USB port terminal UB • Is there continuity? 	Yes Go to the next step.
		No Repair or replace the wiring harness, then go to Step 7.
6	INSPECT WIRING HARNESS FOR SHORT TO GROUND BETWEEN AUDIO UNIT AND AUXILIARY JACK/USB PORT <ul style="list-style-type: none"> • Inspect for continuity between the following wiring harness terminals (vehicle wiring harness side) and body ground. <ul style="list-style-type: none"> — Auxiliary jack/USB port terminal UD — Auxiliary jack/USB port terminal UC — Auxiliary jack/USB port terminal UA — Auxiliary jack/USB port terminal UB • Is there continuity? 	Yes Repair or replace the wiring harness, then go to Step 7.
		No Go to the next step.
7	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <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].) • Clear the audio unit DTCs. (See CLEARING DTC [AUDIO].) • Perform the audio unit DTC inspection. (See DTC INSPECTION [AUDIO].) • Is the same DTC displayed? 	Yes Return to Step 1 and inspect for other possible causes. If the malfunction recurs, replace the audio unit, then go to the next step. (See AUDIO UNIT REMOVAL/INSTALLATION.)
		No Go to the next step.
8	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 [AUDIO].)
		No DTC troubleshooting completed.