

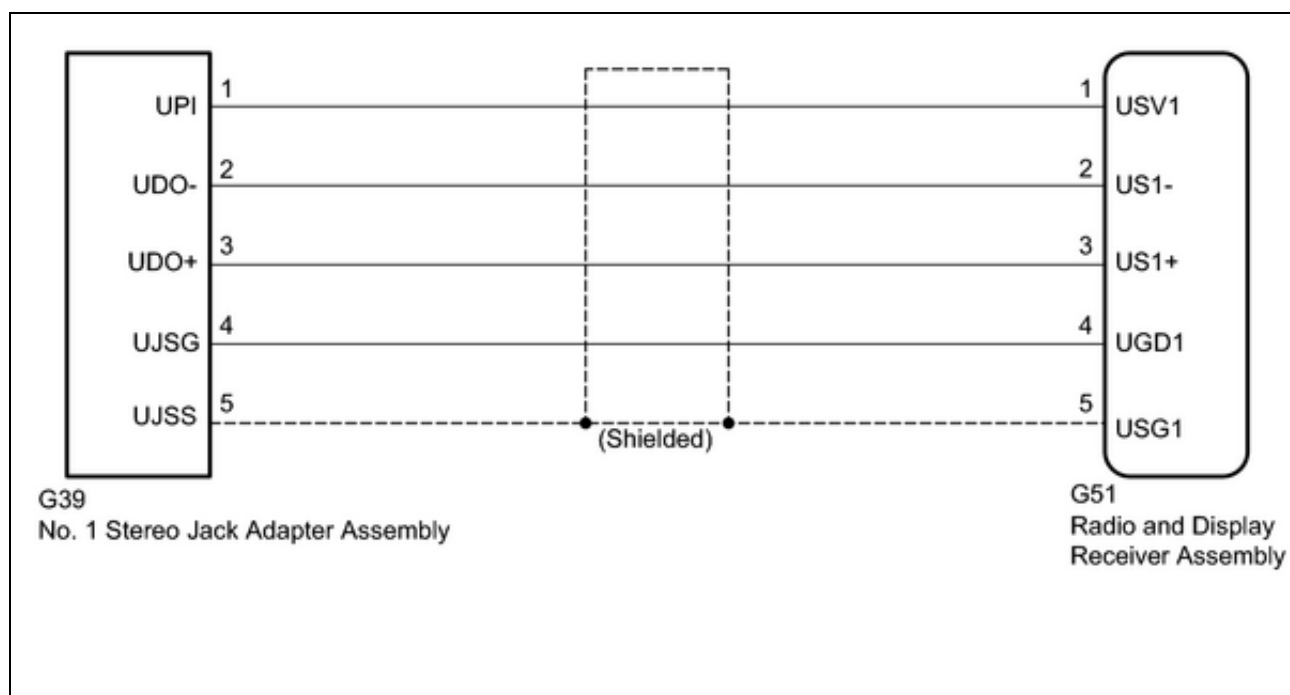
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Model Year: 2014	Model: 4Runner	Prod Date Range: [08/2013 -]
Title: AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: USB Audio System Recognition/Play Error; 2014 MY 4Runner [08/2013 -]		

USB Audio System Recognition/Play Error

DESCRIPTION

When a USB device or "iPod" is connected to the USB jack of the No. 1 stereo jack adapter assembly, it must have playable files. The device must also communicate with and be recognized by the radio and display receiver assembly. This diagnosis procedure is for when a device is not recognized, or files from the device cannot be played normally.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

- When a large amount of data is in a USB device, it may take a while to begin play.
- When using a USB device, files that are protected by copyright cannot be played.
- When files are not played in the sorted order, perform the following procedure before inspection.
 - a. Add numbers in front of the file names.
 - b. Put the files in a folder and copy the folder data to the USB device.

PROCEDURE

1. CHECK USB DEVICE OR "iPod"

- (a) Disconnect the USB device or "iPod" from the No. 1 stereo jack adapter assembly.
- (b) Check if playable files are present on the USB device or "iPod".

HINT:

Refer to System Description for playable files .

- (c) Check if the USB device is a compatible format or "iPod" is a compatible version.

HINT:

Refer to System Description for compatible formats and versions .

RESULT	PROCEED TO
No playable files exist, or incompatible device format or version	A
Playable files exist, and compatible device format or version	B

B  **GO TO STEP 2**

A  **USB DEVICE FORMAT WAS INCOMPATIBLE,
"iPod" VERSION WAS INCOMPATIBLE, OR NO
PLAYABLE FILES PRESENT**

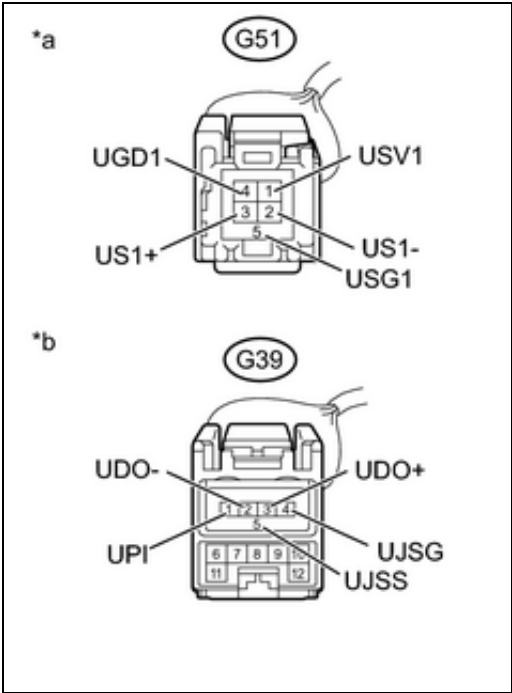
2. CHECK HARNESS AND CONNECTOR (RADIO AND DISPLAY RECEIVER ASSEMBLY - NO. 1 STEREO JACK ADAPTER ASSEMBLY)

- (a) Disconnect the G51 radio and display receiver assembly connector.
- (b) Disconnect the G39 No. 1 stereo jack adapter assembly connector.
- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
G39-1 (UPI) - G51-1 (USV1)	Always	Below 1 Ω
G39-2 (UDO-) - G51-2 (US1-)	Always	Below 1 Ω
G39-3 (UDO+) - G51-3 (US1+)	Always	Below 1 Ω
G39-4 (UJSG) - G51-4 (UGD1)	Always	Below 1 Ω

G39-5 (UJSS) - G51-5 (USG1)	Always	Below 1 Ω
G39-1 (UPI) - Body ground	Always	10 kΩ or higher
G39-2 (UDO-) - Body ground	Always	10 kΩ or higher
G39-3 (UDO+) - Body ground	Always	10 kΩ or higher
G39-4 (UJSG) - Body ground	Always	10 kΩ or higher
G39-5 (UJSS) - Body ground	Always	10 kΩ or higher



Text in Illustration

*a	Front view of wire harness connector (to Radio and Display Receiver Assembly)
*b	Front view of wire harness connector (to No. 1 Stereo Jack Adapter Assembly)

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK
▼

3.	INSPECT RADIO AND DISPLAY RECEIVER ASSEMBLY (NO. 1 STEREO JACK ADAPTER ASSEMBLY POWER SOURCE)
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(a) Reconnect the G51 radio and display receiver assembly connector.

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

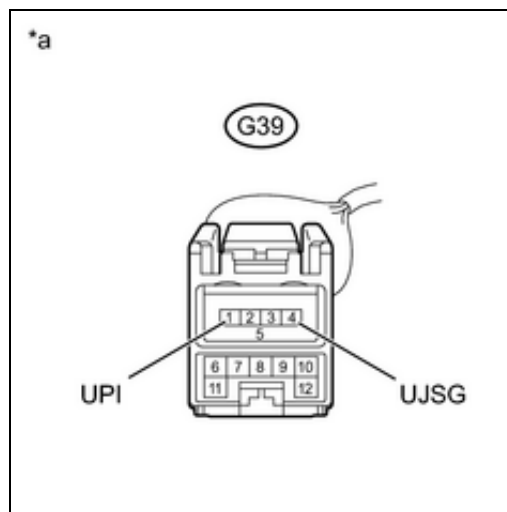
Standard Voltage:

TESTER CONNECTION	SWITCH	SPECIFIED
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	CONDITION	CONDITION
G39-1 (UPI) - G39-4 (UJSG)	Ignition switch ACC	5 V

Text in Illustration

*a	Front view of wire harness connector (to No. 1 Stereo Jack Adapter Assembly)
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NG ► **REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY**

OK

4.	FORMAT USB DEVICE OR RESTORE "iPod" AND RECHECK
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- (a) Delete all files in the USB device or "iPod" and format/restore it.
- (b) Save the data again and check if it can be played on the in-vehicle device.

NOTICE:

Formatting a USB device or restoring an "iPod" erases all music on the device. Ensure that backup music data is available before performing this operation.

OK:

Malfunction disappears.

NG ► **GO TO STEP 5**

OK ► **END**

5.	REPLACE USB DEVICE OR "iPod"
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- (a) Turn the ignition switch off.

HINT:

When this malfunction occurs, it is necessary to turn off the ignition switch to make it possible for the vehicle to recognize a new device when it is connected.

(b) Turn the ignition switch to ACC.

(c) Connect a known good USB device or "iPod" to the No. 1 stereo jack adapter assembly.

HINT:

- If the malfunction occurred when a USB device was in use, use another USB device for the inspection.
If the malfunction occurred when an "iPod" was in use, use another "iPod" for the inspection.
- Refer to System Description for compatible formats and versions  .

NEXT



6.	CHECK USB DEVICE OR "iPod"
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(a) Check if a USB device or "iPod" is recognized by the radio and display receiver assembly, and if information such as track, artist and album names are displayed on the screen.

OK:

Malfunction disappears.

NG  **PROCEED TO NEXT SUSPECTED AREA SHOWN
IN PROBLEM SYMPTOMS TABLE**

OK  **USB DEVICE OR "iPod" WAS INCOMPATIBLE
OR DEFECTIVE**

