

PORT(S) IS/ARE INOPERATIVE OR DOES/DO NOT OPERATE CORRECTLY

Refer to Audio System/Navigation - With Touchscreen/Without Sony for schematic and connector information.

Normal Operation and Fault Conditions

REFER to: Information and Entertainment System - System Operation and Component Description . See USB Mode, APIM, and Media Hub.

The MIT 105-00120 is powered by the USB port.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B1252:11	USB Port: Circuit Short to Ground	Set by the APIM when a short to ground or over-current condition is detected on the USB cable. This can be caused by a fault on the USB cable, USB port, or by the customer's USB or SD card device.
B1252:13	USB Port: Circuit Open	Set by the APIM when an open is detected on the USB cable.

Possible Sources

- Media hub
- Customer's device
- USB cable
- USB cable connection
- APIM

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V1 CHECK THE USB (UNIVERSAL SERIAL BUS) PORTS FOR POWER OUTPUT

Connect: MIT 105-00120.

Does the MIT 105-00120 power on from both USB ports?

Yes	GO to V2
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No	* If the MIT 105-00120 powers on from only one USB port, INSTALL a new media hub. REFER to: Media Hub . * If the MIT 105-00120 does not power on from either USB port, GO to Pinpoint Test U
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V2 REBOOT THE APIM (SYNC MODULE) AND VERIFY THE CONCERN IS STILL PRESENT

Remove any USB devices connected to the media hub.

Simultaneously press and hold the SEEK UP and POWER buttons on the FCIM for approximately 10 seconds. The touchscreen turns black before the startup sequence begins.

After the reboot is complete, connect: Multi-Media Interface Tester 105-00120.

Using the Multi-Media Interface Tester 105-00120, attempt to play an audio file using each USB port.

Is the audio output OK for each USB port?

Yes	The system is operating correctly at this time. The concern may have been due to a device conflict.
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No	* If the audio output is not OK from one USB port, INSTALL a new media hub. REFER to: Media Hub . * If the audio output is not OK from both USB ports, GO to V3
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V3 VERIFY THE OPERATION OF THE USB (UNIVERSAL SERIAL BUS) CABLE

Insert a known good non-navigation SD card containing music files.

Operate the audio system in SD card mode and attempt to play an audio file.

Is the audio output OK for the SD card slot?

Yes	INSTALL a new media hub. REFER to: Media Hub .
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No	GO to V4
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V4 INSPECT THE USB (UNIVERSAL SERIAL BUS) CABLE INLINE CONNECTION

Ignition OFF.

Disconnect: Media hub to APIM USB cable inline connection. REFER to: SYNC Module [APIM] to Universal Serial Bus (USB) Port Cable .

Inspect the USB cables and cable connectors for damage. Remove any debris.

Connect: Media hub to APIM USB cable inline connection. Verify the connector is properly seated and latched.

Ignition ON.

Perform an APIM reboot by simultaneously pressing and holding the SEEK UP and POWER buttons on the FCIM for approximately 10 seconds. The touchscreen turns black before the startup sequence begins.

After the reboot is complete, connect the MIT 105-00120 to the media hub.

Select USB mode on the MIT 105-00120.

Operate the audio system in USB mode and observe the audio output.

Is the audio system USB output OK?

Yes	The concern was caused by the USB cable inline connection. The system is operating correctly at this time.
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No	GO to V5
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V5 INSPECT THE USB (UNIVERSAL SERIAL BUS) CABLE CONNECTION AT THE MEDIA HUB

Ignition OFF.

Disconnect: Media hub to APIM USB cable connection at the media hub. REFER to: Media Hub .

Inspect the USB cable, cable connector, and media hub connector port for damage. Remove any debris.

Connect: Media hub to APIM USB cable at the media hub. Verify the connector is properly seated and latched.

Ignition ON.

Perform an APIM reboot by simultaneously pressing and holding the SEEK UP and POWER buttons on the FCIM for approximately 10 seconds. The touchscreen turns black before the startup sequence begins.

After the reboot is complete, connect the MIT 105-00120 to the media hub.

Select USB mode on the MIT 105-00120.

Operate the audio system in USB mode and observe the audio output.

Is the audio system USB output OK?

Yes	The concern was caused by the USB cable connection at the media hub. The system is operating correctly at this time.
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No	GO to V6
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V6 INSPECT THE USB (UNIVERSAL SERIAL BUS) CABLE CONNECTION AT THE APIM (SYNC MODULE)

Ignition OFF.

Disconnect: Media hub to APIM USB cable connection at the APIM. REFER to: SYNC Module [APIM] .

Inspect the USB cable, cable connector, and APIM connector port for damage. Remove any debris.

Connect: Media hub to APIM USB cable at the APIM. Verify the connector is properly seated and latched.

Ignition ON.

Perform an APIM reboot by simultaneously pressing and holding the SEEK UP and POWER buttons on the FCIM for approximately 10 seconds. The touchscreen turns black before the startup sequence begins.

After the reboot is complete, connect the MIT 105-00120 to the media hub.

Select USB mode on the MIT 105-00120.

Operate the audio system in USB mode and observe the audio output.

Is the audio system USB output OK?

Yes	The concern was caused by the USB cable connection at the APIM. The system is operating correctly at this time.
No	GO to V7

V7 ISOLATE THE USB (UNIVERSAL SERIAL BUS) CABLE

Install a new USB cable. REFER to: SYNC Module [APIM] to Universal Serial Bus (USB) Port Cable .

Connect: Multi-Media Interface Tester 105-00120.

Using the Multi-Media Interface Tester 105-00120, attempt to play an audio file using each USB port.

Is the audio output OK for each USB port?

Yes	The system is operating correctly at this time. The concern was caused by an inoperative USB cable.
No	INSTALL a new media hub. REFER to: Media Hub . If the concern is still present after media hub replacement, GO to V8

V8 CHECK FOR CORRECT APIM (SYNC MODULE) OPERATION