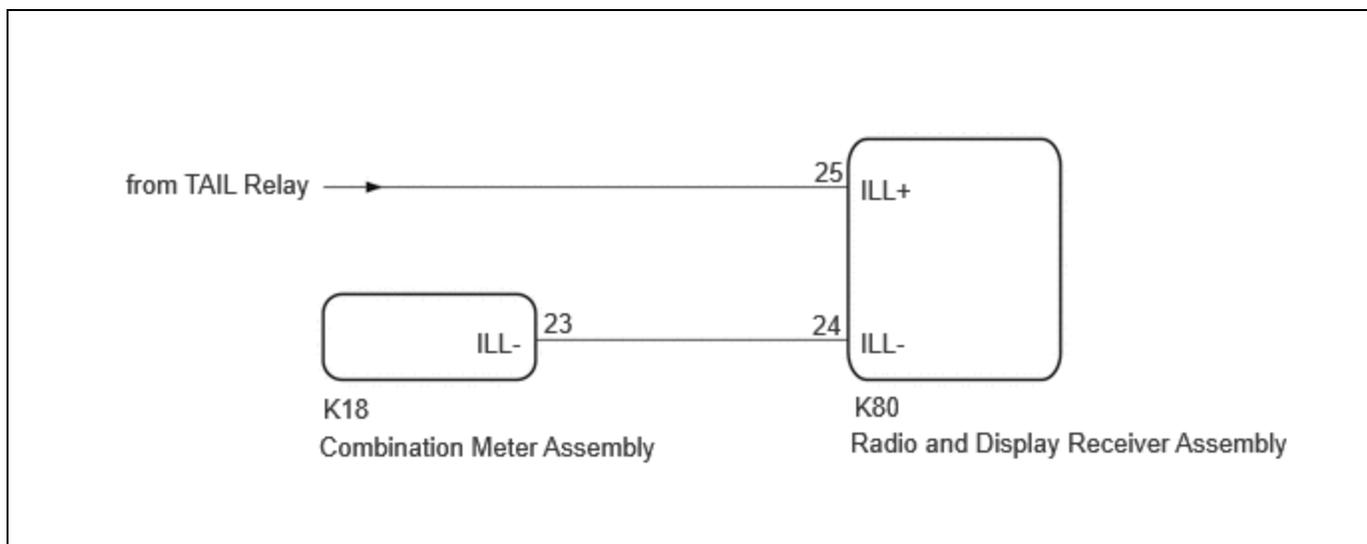


Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002C3ZJ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: AUDIO / VIDEO: AUDIO AND VISUAL SYSTEM: Even though Headlights are Turned on Head-unit does not Dim the Display; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

Even though Headlights are Turned on Head-unit does not Dim the Display

WIRING DIAGRAM



CAUTION / NOTICE / HINT

HINT:

Depending on the parts that are replaced during vehicle inspection or maintenance, performing initialization, registration or calibration may be needed. Refer to Precaution for Audio and Visual System.

Click here [INFO](#)

PROCEDURE

1. CHECK IMAGE QUALITY SETTING

- (a) Select settings icon from the screen.
- (b) Select "Display" from the "Settings" menu screen.
- (c) Select "Screen" to display the settings screen.
- (d) Turn the light control switch to the tail or head position.
- (e) Check that the "Automatic" setting on the display adjustment screen is set to on.

RESULT	PROCEED TO
"Automatic" setting is set to off.	A
"Automatic" setting is set to on.	B

A  **CHANGE "Automatic" SCREEN SETTING TO ON**

B



2.	CHECK RHEOSTAT SETTING
-----------	-------------------------------

(a) Check the rheostat setting.

RESULT	PROCEED TO
Set to maximum brightness	A
Set to other than the maximum brightness	B

A  **SET RHEOSTAT SETTING TO OTHER THAN MAXIMUM BRIGHTNESS**

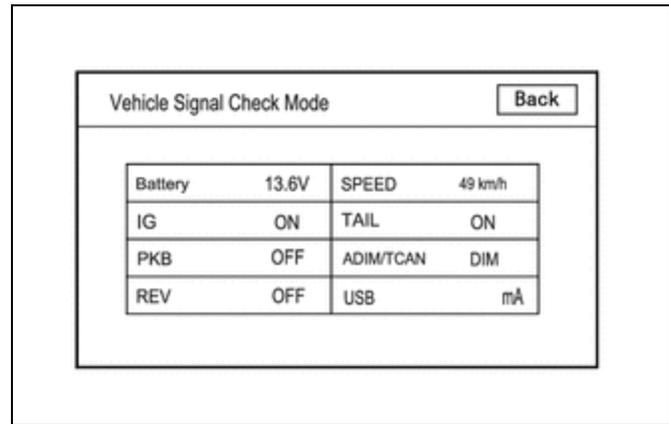
B



3.	CHECK VEHICLE SIGNAL (OPERATION CHECK)
-----------	---

(a) Enter diagnostic mode.

Click here [INFO](#)



(b) Select "Function Check/Setting" from the "Service Menu" screen.

(c) Select "System Sensors Check" from the "Function Check/Setting I" screen.

(d) Operate the light control switch and check that the display changes between ON and OFF accordingly.

OK:

TAIL

CONDITION	DISPLAY
Light control switch OFF	OFF
Light control switch TAIL or HEAD	ON

ADIM/TCAN

CONDITION	DISPLAY
Ignition switch ON, Light control switch TAIL or HEAD, Automatic light control sensor is covered by hand	Dimmed
Ignition switch ON, Light control switch TAIL or HEAD, Automatic light control sensor is not covered by hand	Not dimmed

HINT:

This display is updated once per second.

RESULT	PROCEED TO
Normal	A
TAIL signal malfunction	B
ADIM/TCAN signal malfunction	C

A  **REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY**

C  **GO TO CAN COMMUNICATION SYSTEM**

B



4. CHECK HARNESS AND CONNECTOR (ILL+ CIRCUIT)

- (a) Disconnect the K80 radio and display receiver assembly connector.
 (b) Measure the voltage according to the value(s) in the table below.

Standard Voltage:



[Click Location & Routing\(K80\).](#)

[Click Connector\(K80\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K80-25 (ILL+) - Body ground	Ignition switch ON, Light control switch TAIL or HEAD	11 to 14 V

NG  **REPLACE OR REPLACE HARNESS OR CONNECTOR**

OK



5. CHECK HARNESS AND CONNECTOR (RADIO AND RECEIVER ASSEMBLY - COMBINATION METER ASSEMBLY)

- (a) Disconnect the K80 radio and display receiver assembly connector.
 (b) Disconnect the K18 combination meter assembly connector.
 (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(K80,K18\).](#)

[Click Connector\(K80\).](#)

[Click Connector\(K18\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K80-24 (ILL-) - K18-23 (ILL-)	Always	Below 1 Ω

OK ▶ **REPLACE RADIO AND DISPLAY RECEIVER ASSEMBLY**

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**

