

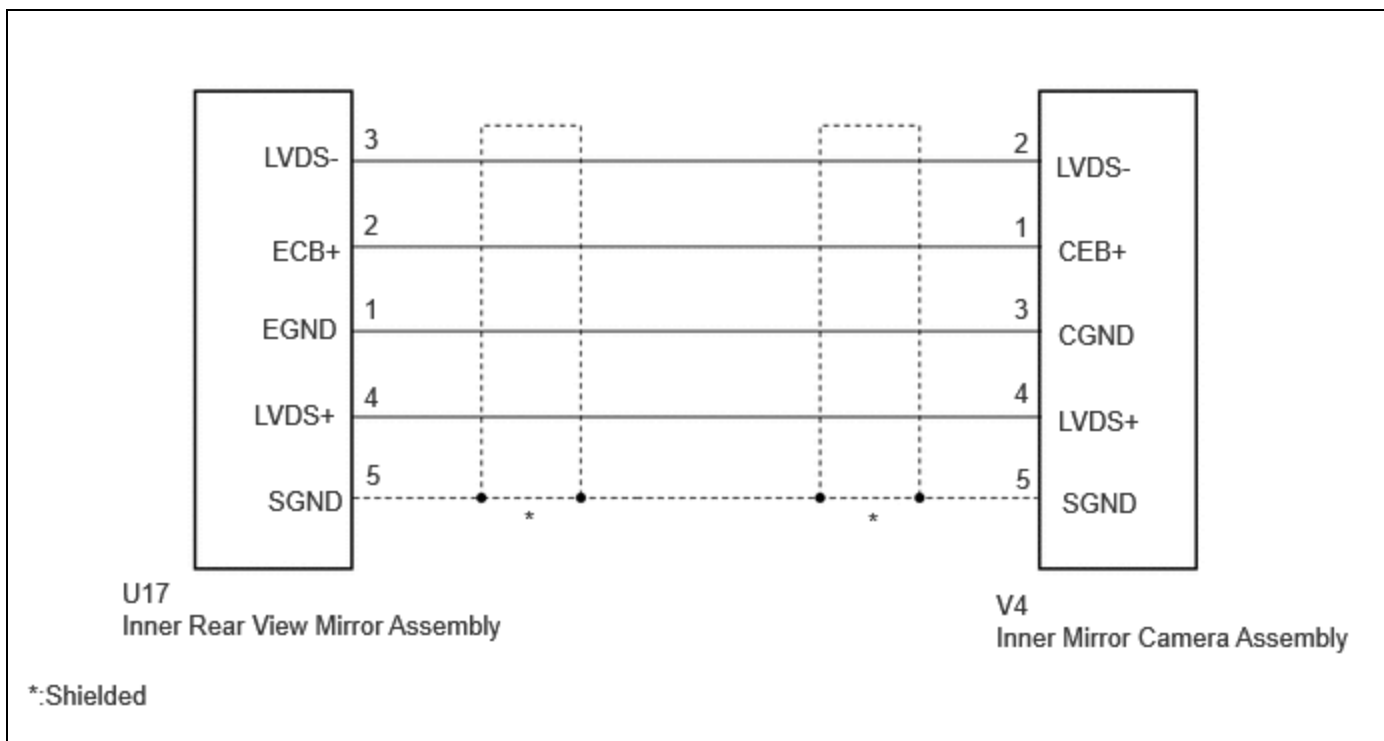
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|--|---------------------------|--------------------------------------|
| <b>Last Modified:</b> 12-04-2024   | 6.11:8.1.0                | <b>Doc ID:</b> RM1000000299KV        |
| <b>Model Year Start:</b> 2023  | <b>Model:</b> Prius Prime | <b>Prod Date Range:</b> [12/2022 - ] |
| <b>Title:</b> MIRROR (INT): DIGITAL REAR-VIEW MIRROR SYSTEM: The Camera Malfunction Indicator Displays and the Screen is Darkened; 2023 - 2024 MY Prius Prius Prime [12/2022 - ] |                           |                                      |

**The Camera Malfunction Indicator Displays and the Screen is Darkened**

**DESCRIPTION**

The image signals sent from the inner mirror camera assembly are input to the inner rear view mirror assembly via the vehicle wire harness and then displayed on the screen.

**WIRING DIAGRAM**



**PROCEDURE**

- CHECK HARNESS AND CONNECTOR (INNER REAR VIEW MIRROR ASSEMBLY - INNER MIRROR CAMERA ASSEMBLY)**

- Disconnect the U17 inner rear view mirror assembly connector.
- Disconnect the V4 inner mirror camera assembly connector.
- Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(U17,V4\).](#)

[Click Connector\(U17\).](#)

[Click Connector\(V4\).](#)

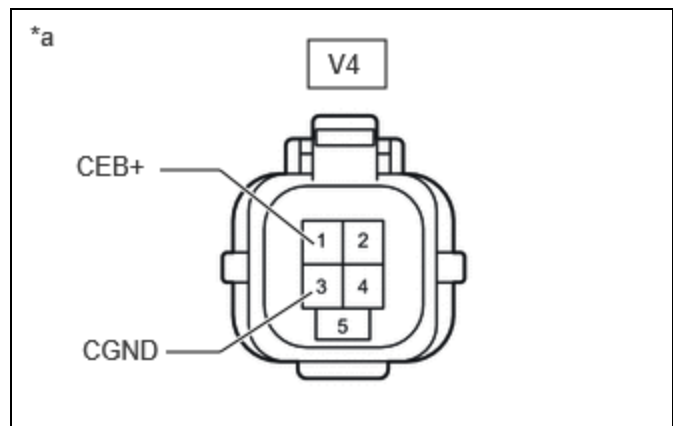
| TESTER CONNECTION                           | CONDITION | SPECIFIED CONDITION |
|---|-----------|---------------------|
| U17-3 (LVDS-) - V4-2 (LVDS-)                | Always    | Below 1 Ω           |
| U17-2 (ECB+) - V4-1 (CEB+)                  | Always    | Below 1 Ω           |
| U17-1 (EGND) - V4-3 (CGND)                  | Always    | Below 1 Ω           |
| U17-4 (LVDS+) - V4-4 (LVDS+)                | Always    | Below 1 Ω           |
| U17-5 (SGND) - V4-5 (SGND)                  | Always    | Below 1 Ω           |
| U17-3 (LVDS-) or V4-2 (LVDS-) - Body ground | Always    | 10 kΩ or higher     |
| U17-2 (ECB+) or V4-1 (CEB+) - Body ground   | Always    | 10 kΩ or higher     |
| U17-1 (EGND) or V4-3 (CGND) - Body ground   | Always    | 10 kΩ or higher     |
| U17-4 (LVDS+) or V4-4 (LVDS+)- Body ground  | Always    | 10 kΩ or higher     |
| U17-5 (SGND) or V4-5 (SGND) - Body ground   | Always    | 10 kΩ or higher     |

**NG** ► REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**  
▼

|           |  |
|-----------|--|
| <b>2.</b> | <b>CHECK INNER REAR VIEW MIRROR ASSEMBLY</b> |
|-----------|--|

(a) Disconnect the inner mirror camera assembly connector.



|    |  |
|----|--|
| *a | Front view of wire harness connector (to Inner Mirror Camera Assembly) |
|----|--|

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

Standard Voltage:



[Click Location & Routing\(V4\)](#)

[Click Connector\(V4\)](#)

| TESTER CONNECTION         | SWITCH CONDITION   | SPECIFIED CONDITION |
|---------------------------|--------------------|---------------------|
| V4-1 (CEB+) - V4-3 (CGND) | Ignition switch ON | 5.5 V or higher     |

**NG** ▶ **REPLACE INNER REAR VIEW MIRROR ASSEMBLY**

**OK**



|           |   |
|-----------|---|
| <b>3.</b> | <b>CHECK INNER MIRROR CAMERA ASSEMBLY</b> |
|-----------|---|

(a) Temporarily replace the inner mirror camera assembly with a new or normally functioning one.

Click here [INFO](#)

(b) Check that the digital rear-view mirror system is operating normally.

OK:

The digital rear-view mirror system is operating normally.

**OK** ▶ **END (INNER MIRROR CAMERA ASSEMBLY IS DEFECTIVE)**

**NG** ▶ **REPLACE INNER REAR VIEW MIRROR ASSEMBLY**

