| **Last Modified:** 12-04-2024 | 6.11:8.1.0 | **Doc ID:** RM10000000289ME |
|---|---|---|
| **Model Year Start:** 2023 | **Model:** Prius Prime | **Prod Date Range:** [12/2022 -     ] |
| **Title:** ADVANCED DRIVER ASSISTANCE SYSTEM: FRONT CAMERA SYSTEM: U131457; Software Incompatibility with Navigation Control Module Invalid / Incompatible Software Component; 2023 - 2024 MY Prius Prius Prime [12/2022 -     ] |||

| **DTC** | **U131457** | **Software Incompatibility with Navigation Control Module Invalid / Incompatible Software Component** |
|---|---|---|

# DESCRIPTION

The forward recognition camera receives the AVN generation information from the navigation system via CAN communication. When the value of the AVN generation information sent from the navigation system does not match the value stored in the forward recognition camera, the forward recognition camera stores DTC U131457.

| DTC NO. | DETECTION ITEM | DTC DETECTION CONDITION | TROUBLE AREA | DTC OUTPUT FROM | PRIORITY |
|---|---|---|---|---|---|
| U131457 | Software Incompatibility with Navigation Control Module Invalid / Incompatible Software Component | The AVN generation information sent from the navigation system does not match the AVN generation information stored in the forward recognition camera | • Navigation system<br>• Forward recognition camera | Front Recognition Camera | B |

# CAUTION / NOTICE / HINT

**NOTICE:**
- When replacing the forward recognition camera, always replace it with a new one. If a forward recognition camera which was installed to another vehicle is used, the information stored in the forward recognition camera will not match the information from the vehicle and a DTC may be stored.
- When the forward recognition camera has been replaced with a new one, make sure to clear all stored vehicle control history of each system and the forward recognition camera beam axis alignment data.

    **HINT:**
    Forward recognition camera beam axis alignment can be performed by using "One Time Recognition", "Driving Adjustment" or "Camera Axis Adjustment Value Write".

    One Time Recognition: Click here  INFO

    Driving Adjustment: Click here  INFO

    Camera Axis Adjustment Value Write: Click here  INFO
- If the forward recognition camera has been replaced with a new one, make sure to perform Software Version Confirmation.

    Click here  INFO

# PROCEDURE

| 1. | **CHECK FOR DTCs (NAVIGATION SYSTEM)** |
|---|---|

(a) Check for DTCs.

**Body Electrical > Navigation System > Trouble Codes**

| RESULT | PROCEED TO |
|---|---|
| DTCs are not output | A |
| DTCs are output | B |

**B ▶ GO TO NAVIGATION SYSTEM** INFO

**A**
▼

| 2. | CHECK FOR DTCs (HEALTH CHECK) |
|---|---|

(a) Using the GTS, perform a health check.

    OK:

ECUs other than the forward recognition camera do not output any navigation system DTCs.

| RESULT | PROCEED TO |
|---|---|
| DTC is not output | A |
| DTC is output | B |

**A ▶ REPLACE FORWARD RECOGNITION CAMERA** INFO

**B ▶ GO TO DTC CHART**