Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM100000002AKZV
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: ADVANCED DRIVER ASSISTANCE SYSTEM: DRIVER MONITOR CAMERA SYSTEM: C1A3108,C1A3187; Driver Monitor Camera Control System Bus Signal / Message Failure; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

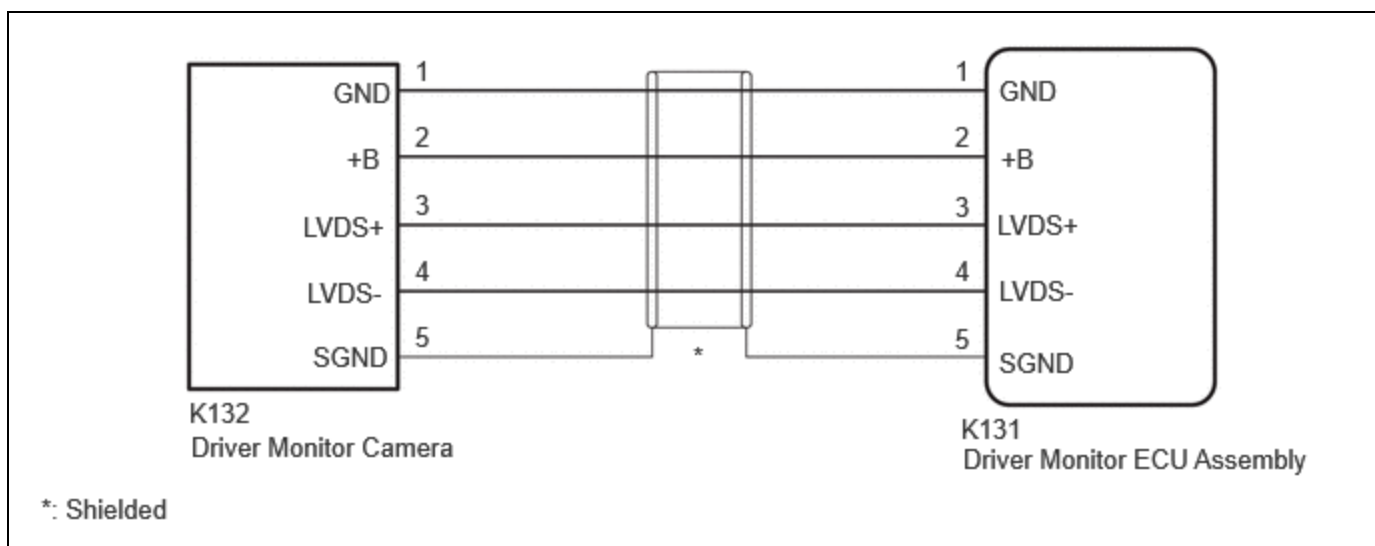| DTC	C1A3108	**Driver Monitor Camera Control System Bus Signal / Message Failure**

DTC	C1A3187	**Driver Monitor Camera Missing Message**

DESCRIPTION

This DTC is output if driver monitor ECU assembly self-diagnosis detects an open circuit of the input and output signal lines to the driver monitor camera.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
C1A3108	Driver Monitor Camera Control System Bus Signal / Message Failure	When an LVDS communication lost between the driver monitor camera and driver monitor ECU assembly is detected	- Harness or connector - Driver monitor camera - Driver monitor ECU assembly	Driver Monitor Camera Control	A
C1A3187	Driver Monitor Camera Missing Message	When an LVDS communication lost between the driver monitor camera and driver monitor ECU assembly is detected	- Harness or connector - Driver monitor camera - Driver monitor ECU assembly	Driver Monitor Camera Control	A

WIRING DIAGRAM

CAUTION / NOTICE / HINT

NOTICE:

If the driver monitor camera or driver monitor ECU assembly connector is removed with the negative (-) auxiliary battery terminal connected, a DTC may be output.

PROCEDURE

1.	CLEAR DTC

Pre-procedure1

(a) Set "ACC customize" to on.

HINT:

The driver monitor camera system may remain active in the background even if the ignition switch is turned off depending on the multi-display setting. Therefore, perform setting of the multi-display before performing an inspection.

Click here INFO

(b) Turn the ignition switch off and wait for 6 minutes or more with the door closed.

Procedure1

(c) Clear the DTCs.

Chassis > Driver Monitor Camera Control > Clear DTCs

Post-procedure1

(d) None

NEXT
▼

2.	CHECK FOR DTC

(a) Check for DTCs.

Chassis > Driver Monitor Camera Control > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
C1A3108 or C1A3187 is output	B

A ▶ **USE SIMULATION METHOD TO CHECK**

B
▼

3.	CHECK HARNESS AND CONNECTOR (DRIVER MONITOR ECU ASSEMBLY - DRIVER MONITOR CAMERA)

Pre-procedure1

(a) Disconnect the K131 driver monitor ECU assembly connector.

(b) Disconnect the K132 driver monitor camera connector.

Procedure1

(c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

⊕ EWD INFO

Click Location & Routing(K131,K132)
Click Connector(K131)
Click Connector(K132)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K131-1 (GND) - K132-1 (GND)	Always	Below 1 Ω	Ω
K131-2 (+B) - K132-2 (+B)	Always	Below 1 Ω	Ω
K131-3 (LVDS+) - K132-3 (LVDS+)	Always	Below 1 Ω	Ω
K131-4 (LVDS-) - K132-4 (LVDS-)	Always	Below 1 Ω	Ω
K131-1 (GND) - Body ground	Always	10 kΩ or higher	kΩ
K131-2 (+B) - Body ground	Always	10 kΩ or higher	kΩ

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
K131-3 (LVDS+) - Body ground	Always	10 kΩ or higher	kΩ
K131-4 (LVDS-) - Body ground	Always	10 kΩ or higher	kΩ
K131-5 (SGND) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

(d) None

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

OK
▼

4.	**REPLACE DRIVER MONITOR CAMERA**

HINT:

Click here [INFO]

NEXT
▼

5.	**CLEAR DTC**

Pre-procedure1

(a) Set "ACC customize" to on.

HINT:

The driver monitor camera system may remain active in the background even if the ignition switch is turned off depending on the multi-display setting. Therefore, perform setting of the multi-display before performing an inspection.

Click here [INFO]

(b) Turn the ignition switch off and wait for 6 minutes or more with the door closed.

Procedure1

(c) Clear the DTCs.

Chassis > Driver Monitor Camera Control > Clear DTCs

Post-procedure1

(d) None

NEXT
▼

6.	CHECK FOR DTC

(a) Check for DTCs.

Chassis > Driver Monitor Camera Control > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
C1A3108 or C1A3187 is output	B

A ▶ **END (DRIVER MONITOR CAMERA IS DEFECTIVE)**

B ▶ **REPLACE DRIVER MONITOR ECU ASSEMBLY**