

Your Ultimate Source for OEM Repair Manuals

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2023 NISSAN Primera Sedan Service and Repair Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2152	87	CAN communication error (ADAS control unit)	Diagnosis condition	When power switch is ON
			Signal (terminal)	CAN communication signal
			Threshold	If driver monitor camera control unit is not transmitting or receiving CAN communication signal
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The following system are cancelled.

- Lane keep function*
- Lane change support function
- Overtaking support function
- Route driving support function

* : ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 2 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. Check if "U2152-87" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera".

Is DTC U2152-87 detected as current malfunction?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK SELF-DIAGNOSIS RESULT

1. Turn power switch ON.
2. Erase self-diagnosis result.
3. Perform DTC confirmation procedure again.

Is DTC U2152-87 detected?

YES>>

Refer to [Trouble Diagnosis Flow Chart](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2154	87	CAN communication error (MIU)	Diagnosis condition	When power switch is ON
			Signal (terminal)	CAN communication signal
			Threshold	If driver monitor camera control unit is not transmitting or receiving CAN communication signal
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The following system are cancelled.

- Lane keep function*
- Lane change support function
- Overtaking support function
- Route driving support function

* : ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 2 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. Check if "U2154-87" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera".

Is DTC U2154-87 detected as current malfunction?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK SELF-DIAGNOSIS RESULT

1. Turn power switch ON.
2. Erase self-diagnosis result.
3. Perform DTC confirmation procedure again.

Is DTC U2154-87 detected?

YES>>

Refer to [Trouble Diagnosis Flow Chart](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2A07	88	Comm Bus Off ITS2-FD	Diagnosis condition	When power switch is ON
			Signal (terminal)	CAN communication signal
			Threshold	If driver monitor camera control unit is not transmitting or receiving CAN communication signal
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The following system are cancelled.

- Lane keep function*
- Lane change support function
- Overtaking support function
- Route driving support function

* : ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 2 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. Check if "U2A07-88" is detected as current malfunction in self-diagnosis result of "driver monitor camera."

Is DTC U2A07-88 detected as current malfunction?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK SELF-DIAGNOSIS RESULT

1. Turn power switch ON.
2. Erase self-diagnosis result.
3. Perform DTC confirmation procedure again.

Is DTC U2A07-88 detected?

YES>>

Refer to [Trouble Diagnosis Flow Chart](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B2A51	A2	POWER SUPPLY VOLTAGE	Diagnosis condition	When power switch is ON
			Signal (terminal)	Power switch ON power supply
			Threshold	Remains less than 7.5 V or more than 16.5 V
			Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Driver monitor camera control unit power supply circuit or ground circuit malfunction
- Driver monitor camera control unit is malfunctioning

FAIL-SAFE

The following system are cancelled.

- Lane keep function*
- Lane change support function
- Overtaking support function
- Route driving support function

* : ProPILOT Assist 2.0 display is blue

Confirmation Procedure

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 5 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. Check if "B2A51-A2" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera".

Is "B2A51-A2" detected as current malfunction?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK DRIVER MONITOR CAMERA CONTROL UNIT OF POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit of driver monitor camera control unit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

Replace the driver monitor camera control unit. Refer to [Removal and Installation](#).

NO>>

Repair or replace the malfunctioning parts.

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B2A50	49	DRIVER MONITOR CAMERA	Diagnosis condition	When power switch is ON
			Signal (terminal)	—
			Threshold	Driver monitor camera control unit is malfunctioning
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

Driver monitor camera control unit is malfunctioning

FAIL-SAFE

The following system are cancelled.

- Lane keep function*
- Lane change support function
- Overtaking support function
- Route driving support function

*: ProPILOT Assist 2.0 display is blue

Confirmation Procedure

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 2 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. "Check if "B2A50-49" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera."

Is "B2A50-49" detected as the current malfunction?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END