

# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2023 NISSAN Pulsar Service and Repair Manual

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## 1. CHECK SELF-DIAGNOSIS RESULT OF DRIVER MONITOR CAMERA CONTROL UNIT

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1. Erase self-diagnosis result.
2. Perform DTC confirmation procedure again.

Is "B2A50-49" detected?

YES>>

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

NO>>

INSPECTION END

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B2A50	55	DRIVER MONITOR CAMERA	Diagnosis condition	When power switch is ON
			Signal (terminal)	—
			Threshold	Configuration of the driver monitor camera control unit is incomplete
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

Configuration of the driver monitor camera control unit is incomplete

## FAIL-SAFE

The following system are cancelled.

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

\* : ProPILOT Assist 2.0 display is blue

## Confirmation Procedure

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform "All DTC Reading" with CONSULT.
3. Check if "B2A50-55" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera".

Is "B2A50-55" 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

## 1. PERFORM CONFIGURATION OF DRIVER MONITOR CAMERA CONTROL UNIT

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Perform configuration of driver monitor camera control unit when DTC "B2A50-55" is detected.

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Perform configuration of driver monitor camera control unit. Refer to [Work Procedure](#).

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
B2A52	96	DRIVER MONITOR CAMERA	1	Diagnosis condition	When power switch is ON
				Signal (terminal)	—
				Threshold	Driver monitor camera is malfunctioning
				Diagnosis delay time	5 seconds or more
			2	Diagnosis condition	When power switch is ON
				Signal (terminal)	—
				Threshold	Temperature around driver monitor camera is excessively high
				Diagnosis delay time	5 seconds or more

## POSSIBLE CAUSE

- Temperature around the becomes driver monitor camera extremely high
- Driver monitor camera 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 power switch OFF.
2. Wait for 10 minutes or more.
3. Turn the power switch ON, and then wait for 5 seconds or more.
4. Perform "All DTC Reading" with CONSULT.
5. Check if "B2A52-96" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera".

Is "B2A52-96" 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

Sample

## 1. CHECK SELF-DIAGNOSIS RESULT OF DRIVER MONITOR CAMERA CONTROL UNIT

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1. Move the vehicle to a place out of direct sunlight, open the door glass, and leave it for 10 minutes or more.
2. Erase self-diagnosis result of "Driver Monitor Camera".
3. Perform "All DTC Reading" with CONSULT.
4. Check if "B2A52-96" is detected in the self-diagnosis result of "Driver Monitor Camera".

Is DTC "B2A52-96" detected?

YES>>

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

NO>>

INSPECTION END

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B2A54	87	DRIVER MONITOR CAMERA	Diagnosis condition	When power switch is ON
			Signal (terminal)	—
			Threshold	Circuit error is detected between driver monitor camera and driver monitor camera control unit.
			Diagnosis delay time	67 seconds or more

## POSSIBLE CAUSE

- Communication error between driver monitor camera and driver monitor camera control unit due to abnormal circuit between driver monitor camera and driver monitor camera control unit.
- Communication error between driver monitor camera and driver monitor camera control unit due to driver monitor camera malfunctioning.
- Communication error between driver monitor camera and driver monitor camera control unit due to driver monitor camera control unit 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 67 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. Check if "B2A54-87" is detected as current malfunction in self-diagnosis result of "Driver Monitor Camera."

Is DTC B2A54-87 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

Sample

## 1. CHECK CIRCUIT BETWEEN DRIVER MONITOR CAMERA AND DRIVER MONITOR CAMERA CONTROL UNIT

1. Turn power switch OFF.
2. Disconnect harness connectors of driver monitor camera and driver monitor camera control unit.
3. Check continuity between vehicle side harness connector of driver monitor camera control unit and vehicle side harness connector of driver monitor camera.

Driver monitor camera control unit		Driver monitor camera		Continuity
Connector	Terminal	Connector	Terminal	
M48 <sup>*1</sup>	3	M24 <sup>*1</sup>	1	Exist
M46 <sup>*2</sup>	10	M22 <sup>*2</sup>	3	
M49 <sup>*1</sup>	13	M25 <sup>*1</sup>	6	
	14		7	
M47 <sup>*2</sup>	15	M23 <sup>*2</sup>	8	
	16		5	

\*1: With electrical tilt & telescopic steering

\*2: Without electrical tilt & telescopic steering

4. Check continuity between vehicle side harness connector of driver monitor camera control unit and ground.

Driver monitor camera control unit		Ground	Continuity
Connector	Terminal		
M48 <sup>*1</sup>	3	Ground	Not exist
M46 <sup>*2</sup>	10		
M49 <sup>*1</sup>	13		
	14		
M47 <sup>*2</sup>	15		
	16		

\*1: With electrical tilt & telescopic steering

\*2: Without electrical tilt & telescopic steering

Is the inspection result normal?

YES>>

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NO>>

Replace or repair malfunctioning part.

## 2. REPLACE DRIVER MONITOR CAMERA

1. Erase self-diagnosis result.