

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.

2016 NISSAN Skyline Sedan OEM Service and Repair Workshop Manual

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1. PERFORM CALIBRATING CAMERA IMAGE

Perform camera calibration. Refer to [Work Procedure](#).

>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

1. Turn power switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC “B2A02-52” detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A04-51	Around view monitor control unit	Diagnosis condition	When power switch is ON
		Signal (terminal)	—
		Threshold	The calibration is not completed or the connected camera is different from the one when calibrated.
		Diagnosis delay time	2 seconds or more


POSSIBLE CAUSE

Perform camera calibration

FAIL-SAFE

- Unmatched icon display (red) is displayed (applicable for unmatched camera only).
- MOD (Moving Object Detection) function is stopped.

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait at least 30 seconds.
3. Turn power switch ON and wait at least 2 seconds.
4. Select “Self Diagnostic Result” mode of “AROUND VIEW MONITOR” using CONSULT.
5. Check DTC.

Is DTC B2A04-51 detected?

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 CALIBRATING CAMERA IMAGE

Perform camera calibration when DTC B2A04-51 is detected.

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Perform camera calibration. Refer to [Work Procedure](#).

2. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

1. Turn power switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC “B2A04-51” detected again?

YES>>

Replace around view monitor control unit. Refer to [Removal and Installation](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A1A-31	Rear camera	Diagnosis condition	When power switch is ON
		Signal (terminal)	LVDS (rear camera)
		Threshold	Communication error with rear camera
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- LVDS cable (between around view monitor control unit and rear camera)
- Rear camera
- Around view monitor control unit

FAIL-SAFE

Camera image not displayed

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait at least 30 seconds.
3. Turn power switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “AROUND VIEW MONITOR” using CONSULT.
5. Check DTC.

Is DTC B2A1A-31 detected?

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 LVDS CABLE 1

1. Turn power switch OFF.
2. Check the connection status of the LVDS cable connector. (around view monitor control unit side, wire to wire, and rear camera side)

Is inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Connect the LVDS cable connector correctly.

2. CHECK LVDS CABLE 2

1. Turn power switch OFF.
2. Disconnect around view monitor control unit connector and rear camera connector.
3. Check continuity between around view monitor control unit harness connector and rear camera harness connector.

Around view monitor control unit		Rear camera		Continuity
Connector	Terminals	Connector	Terminals	
B68	37	B653	1	Existed
	38		2	

4. Check continuity between around view monitor control unit harness connector and ground.

Around view monitor control unit		Ground	Continuity
Connector	Terminal		
B68	37		Not existed

Is inspection result normal?

YES>>

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

NO>>

Replace LVDS cable.

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A03-52	Front camera	Diagnosis condition	When power switch is ON
		Signal (terminal)	—
		Threshold	The calibration is not completed or the connected camera is different from the one when calibrated.
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- Front camera
- Camera calibration is incomplete

FAIL-SAFE

—

Sample

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait at least 30 seconds.
3. Turn power switch ON and wait at least 2 seconds.
4. Select “Self Diagnostic Result” mode of “AROUND VIEW MONITOR” using CONSULT.
5. Check DTC.

Is DTC B2A03-52 detected?

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