

Your Ultimate Source for OEM Repair Manuals

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2016 NISSAN Sunny 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 “B2A03-52” detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A1C-31	Front camera	Diagnosis condition	When power switch is ON
		Signal (terminal)	LVDS (front camera)
		Threshold	Communication error with front camera
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- LVDS cable (between around view monitor control unit and front camera)
- Front 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 B2A1C-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 front 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 front camera connector.
3. Check continuity between around view monitor control unit harness connector and front camera harness connector.

Around view monitor control unit		Front camera		Continuity
Connector	Terminals	Connector	Terminals	
B68	35	B106	1	Existed
	36		2	

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

Around view monitor control unit		Ground	Continuity
Connector	Terminal		
B68	35		Not existed

Is inspection result normal?

YES>>

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

NO>>

Replace LVDS cable.

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A1F-16	Camera power supply	Diagnosis condition	When power switch is ON
		Signal (terminal)	Camera power supply
		Threshold	0 V
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

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

FAIL-SAFE

Camera image not displayed

Sample

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait for 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 B2A1F-16 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 AROUND VIEW MONITOR CONTROL UNIT POWER SUPPLY CIRCUIT

Check around view monitor control unit power supply circuit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace malfunctioning parts.

2. 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 each camera side)

Is inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Connect the LVDS cable connector correctly.

3. CHECK LVDS CABLE 2

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

Around view monitor control unit		Each camera			Continuity
Connector	Terminals	Connector	Terminals	Terminals	
B68	35	Front camera	B106	1	Existed
	39	Side camera LH	D66	17	
	33	Side camera RH	D26	17	
	37	Rear camera	B653	1	

Is inspection result normal?

YES>>

Replace defective camera.

- Front camera. Refer to [Removal and Installation](#).
- Rear camera. Refer to [Removal and Installation](#).
- Side camera. Refer to [Removal and Installation](#).

NO>>

Replace defective LVDS cable.

Sample

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A2C-A2	Power supply	Diagnosis condition	When power switch is ON
		Signal (terminal)	ACC power supply
		Threshold	ACC power supply voltage is low
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- ACC power supply circuit
- Around view monitor control unit

FAIL-SAFE

Camera image not displayed

Sample