

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.

2020 NISSAN Altima Service and Repair Manual

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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 CONSULT DISPLAY DISTANCE SENSOR

1. Perform “All DTC Reading” with CONSULT.
2. Check if the item of "LASER/RADAR" is displayed in “All DTC Reading”.

Is "LASER/RADAR" displayed?

YES>>

[GO TO 2.](#)

NO >>

Check power supply and ground circuit of distance sensor. Refer to [Diagnosis Procedure](#).

2. PERFORM SELF-DIAGNOSIS OF DISTANCE SENSOR

Check if any DTC is detected in “Self Diagnostic Result” of “LASER/RADAR”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#).

NO >>

[GO TO 3.](#)

3. CHECK ETHERNET CABLE

1. Turn the power switch OFF.
2. Check the Ethernet cable of ADAS control unit 2 and distance sensor for disconnection, bending, and poor fitting.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO >>

Replace ethernet cable.

4. REPLACE ETHERNET CABLE

1. Replace ethernet cable.
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is “U2752-87” detected as the current malfunction?

YES>>

[GO TO 5.](#)

NO >>

INSPECTION END

5. REPLACE DISTANCE SENSOR

1. Replace distance sensor. Refer to [Removal and Installation](#).
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is “U2752-87” detected as the current malfunction?

YES>>

Replace the ADAS control unit 2. Refer to [Removal and Installation](#) (Without ProPILOT Assist 2.0) or [Removal and Installation](#) (With ProPILOT Assist 2.0).

NO >>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2752	88	Ethernet circuit (Distance sensor) [Ethernet circuit (Distance sensor)]	Diagnosis condition	When vehicle is READY
			Signal (terminal)	Ethernet communication
			Threshold	If ADAS control unit 2 is not receiving ethernet communication signal from distance sensor
			Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Ethernet harness
- ADAS control unit 2
- Distance sensor

FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function*1
- Lane keep function*2
- Lane change support function
- Overtaking support function
- Route driving support function
- AEB
- I-FCW
- TSR

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the DTC “U2752-88” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is DTC “U2752-88” 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

Sample

1. CHECK CONSULT DISPLAY DISTANCE SENSOR

1. Perform "All DTC Reading" with CONSULT.
2. Check if the item of "LASER/RADAR" is displayed in "All DTC Reading".

Is "LASER/RADAR" displayed?

YES>>

[GO TO 2.](#)

NO >>

Check power supply and ground circuit of distance sensor. Refer to [Diagnosis Procedure](#).

2. PERFORM SELF-DIAGNOSIS OF DISTANCE SENSOR

Check if any DTC is detected in "Self Diagnostic Result" of "LASER/RADAR".

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#).

NO >>

[GO TO 3.](#)

3. CHECK ETHERNET CABLE

1. Turn the power switch OFF.
2. Check the Ethernet cable of ADAS control unit 2 and distance sensor for disconnection, bending, and poor fitting.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO >>

Replace ethernet cable.

4. REPLACE ETHERNET CABLE

1. Replace ethernet cable.
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#) (Without ProPILOT Assist 2.0) or [DTC Description](#) (With ProPILOT Assist 2.0).

Is "U2752-88" detected as the current malfunction?

YES>>

[GO TO 5.](#)

NO >>

INSPECTION END

5. REPLACE DISTANCE SENSOR

1. Replace distance sensor. Refer to [Removal and Installation](#).
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#) (Without ProPILOT Assist 2.0) or [DTC Description](#) (With ProPILOT Assist 2.0).

Is “U2752-88” detected as the current malfunction?

YES>>

Replace the ADAS control unit 2. Refer to [Removal and Installation](#) (Without ProPILOT Assist 2.0) or [Removal and Installation](#) (With ProPILOT Assist 2.0).

NO >>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2752	88	Ethernet circuit (Ethernet circuit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	Ethernet communication
			Threshold	If ADAS control unit 2 is not receiving ethernet communication signal from distance sensor
			Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Ethernet harness
- ADAS control unit 2
- Distance sensor

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode
- Conventional (fixed speed) cruise control mode
- Steering wheel assistance function
- AEB
- RAB
- I-FCW
- I-LI
- I-BSI
- TSR
- I-DA

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the DTC “U2752-88” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is DTC “U2752-88” 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

Sample