

# 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 Sunny Service and Repair Manual

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## 1. REPLACE STEERING WHEEL

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1. Replace steering wheel. Refer to [STEERING WHEEL : Removal & Installation](#).
2. Perform confirmation procedure again. Refer to [DTC Description](#) (Without ProPILOT Assist 2.0) or [DTC Description](#) (With ProPILOT Assist 2.0).

Is "C1F80-86" 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	
C1F80	86	Steering wheel touch sensor (Steering wheel touch sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	LIN communication signal
			Threshold	Signal receiving from steering wheel touch sensor is malfunction
			Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE

- Steering wheel touch sensor
- ADAS control unit 2

## FAIL-SAFE

The following system are cancelled.

- Vehicle-to-vehicle distance control mode
- Steering wheel assistance function
- Conventional (fixed speed) cruise control mode
- 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 2 seconds or more.
2. Perform "All DTC Reading" with CONSULT.
3. Check if the "C1F80-86" is detected as the current malfunction in self-diagnosis results of "ICC/ADAS 2".

Is "C1F80-86" 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

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F80	88	Steering wheel touch sensor (Steering wheel touch sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	LIN communication signal
			Threshold	Signal can't receive signal from steering wheel touch sensor normally
			Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE

- Harness or connector between ADAS control unit 2 and steering wheel touch sensor
- Spiral cable
- LIN unsend of steering wheel touch sensor
- ADAS control unit 2

## FAIL-SAFE

The following system are cancelled.

- Lane keep function\*<sup>1</sup>
- Lane keep function\*<sup>2</sup>
- Lane change support function
- Overtaking support function
- Route driving support function

\*1: ProPILOT Assist 2.0 display is green

\*2: ProPILOT Assist 2.0 display is blue

## CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

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2. Perform "All DTC Reading" with CONSULT.
3. Check if the "C1F80-88" is detected as the current malfunction in self-diagnosis results of "ICC/ADAS 2".

Is "C1F80-88" 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 HARNESS BETWEEN ADAS CONTROL UNIT 2 AND SPIRAL CABLE

1. Turn power switch OFF.
2. Disconnect the ADAS control unit 2 connector and the spiral cable connector.
3. Check continuity between ADAS control unit 2 harness connector and the spiral cable harness connector

ADAS control unit 2		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
B56 <sup>*1</sup>	19 <sup>*1</sup>	M150 <sup>*3</sup>	7	Existed
B62 <sup>*2</sup>	40 <sup>*2</sup>	M153 <sup>*4</sup>		

\*1: Without ProPILOT Assist 2.0

\*2: With ProPILOT Assist 2.0

\*3: With electrical tilt & telescopic steering

\*4: Without electrical tilt & telescopic steering

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the harnesses or connectors.

## 2. CHECK SPIRAL CABLE

1. Disconnect the connector of steering touch sensor.
2. Check for continuity between the spiral cable terminals.

Spiral cable		Continuity
Terminal	Terminal	
M150 <sup>*1</sup>	7	Existed
M153 <sup>*2</sup>	30	

\*1: With electrical tilt & telescopic steering

\*2: Without electrical tilt & telescopic steering

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace spiral cable. Refer to [Removal & Installation.](#)

### 3. REPLACE STEERING WHEEL

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Is "C1F80-88" 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

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Is "C1F80-88" 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