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2020 NISSAN Skyline Sedan Service and Repair Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F80	82	Steering wheel touch sensor (Steering wheel touch sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	Steering wheel touch sensor status signal (LIN communication signal)
			Threshold	Receiving voltage error of steering wheel touch sensor
			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 “C1F80-82” is detected as the current malfunction in self-diagnosis results of “ICC/ADAS 2”.

Is “C1F80-82” 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	83	Steering wheel touch sensor (Steering wheel touch sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	Steering wheel touch sensor status signal (LIN communication signal)
			Threshold	Receiving voltage error of steering wheel touch sensor
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- Steering wheel touch sensor
- ADAS control unit 2

FAIL-SAFE

The following system are cancelled.

- Lane keep function*¹
- Lane keep function*²
- 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

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 “C1F80-83” is detected as the current malfunction in self-diagnosis results of “ICC/ADAS 2”.

Is “C1F80-83” 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>>

Sample

1. REPLACE STEERING WHEEL

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 "C1F80-83" 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	83	Steering wheel touch sensor (Steering wheel touch sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	Steering wheel touch sensor status signal (LIN communication signal)
			Threshold	Receiving voltage error of steering wheel touch sensor
			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 "C1F80-83" is detected as the current malfunction in self-diagnosis results of "ICC/ADAS 2".

Is "C1F80-83" 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	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.

- Lane keep function*¹
- Lane keep function*²
- 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

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>>

Sample