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2017 NISSAN Navara NP300 Double Cab OEM Service and Repair Workshop Manual

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1. CHECK DTC PRIORITY

If DTC “U2176-57” is displayed with DTC “U1327-52” or “U1327-54”, first perform the trouble diagnosis for DTC “U1327-52” or “U1327-54”.

Is DTC “U1327-52” or “U1327-54” detected?

YES >>

Perform diagnosis of applicable. Refer to the following.

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO >>

[GO TO 2.](#)

2. CHECK MAC DIAGNOSIS

Perform “MAC Diagnosis” mode of “AROUND VIEW MONITOR” using CONSULT.

Is DTC “U2176-57” detected with DTC “U1327-52”, “U1327-54”, “U1EC0-57”, “U1EC1-57”, “U1ECE-57”, “U1ED6-57”, “U1ED8-57”, “U2143-57”, “U214F-57”, “U2152-57”, “U2165-57” and “U2376-57” at the same time?

YES (all DTC codes are detected at the same time)>>

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

NO (all DTC codes are not detected at the same time)>>

[GO TO 3.](#)

3. CHECK CAN DIAGNOSIS

Perform the trouble diagnosis for CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

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INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U234F	57	CAN communication error (BCM)	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error
			Diagnosis delay time	—

POSSIBLE CAUSE

- BCM
- MAC communication error
- Around view monitor control unit

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
- RAB
- I-FCW
- I-LI
- I-BSI
- TSR
- I-DA

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

1. CHECK DTC PRIORITY

If DTC “U234F-57” is displayed with DTC “U1327-52” or “U1327-54”, first perform the trouble diagnosis for DTC “U1327-52” or “U1327-54”.

Is DTC “U1327-52” or “U1327-54” detected?

YES >>

Perform diagnosis of applicable. Refer to the following.

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. CHECK MAC DIAGNOSIS

1. Turn the power switch ON.
2. Perform “MAC Diagnosis” mode of “AROUND VIEW MONITOR” using CONSULT.
3. Check if the “U234F-57” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is DTC “U234F-57” 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 DTC PRIORITY

If DTC “U234F-57” is displayed with DTC “U1327-52” or “U1327-54”, first perform the trouble diagnosis for DTC “U1327-52” or “U1327-54”.

Is DTC “U1327-52” or “U1327-54” detected?

YES >>


Perform diagnosis of applicable. Refer to the following.

- U1327-52: Refer to [DTC Diagnosis Procedure](#).
- U1327-54: Refer to [DTC Diagnosis Procedure](#).

NO >>

[GO TO 2.](#)

2. CHECK MAC DIAGNOSIS

 With CONSULT

Perform “MAC Diagnosis” mode of “AROUND VIEW MONITOR” using CONSULT.

Is DTC “U234F-57” detected with DT“U1327-52”, “U1327-54”, “U1EC0-57”, “U1EC1-57”, “U1EDE-57”, “U1ED6-57”, “U1ED8-57”, “U2143-57”, “U214F-57”, “U2152-57”, “U2165-57” and “U2176-57” at the same time?

YES (all DTC codes are detected at the same time)>>

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

NO (all DTC codes are not detected at the same time)>>

[GO TO 3.](#)

3. PERFORM DIAGNOSIS OF CAN COMMUNICATION CIRCUIT

Perform diagnosis of CAN communication circuit. Refer to [Trouble Diagnosis Flow Chart](#).

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INSPECTION END

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
B2A07-86	Steering angle sensor	Diagnosis condition	When power switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	The steering angle sensor is malfunctioning
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- ABS actuator and electric unit (control unit)
- Steering angle sensor
- Around view monitor control unit

FAIL-SAFE

- Predicted course line is not displayed.
- MOD (Moving Object Detection) function is cancel

DTC CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC B2A07-86 is displayed with DTC U2156-87, first perform the confirmation procedure (trouble diagnosis) for DTC U2156-87.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn the power switch ON.
2. Check if the “B2A07-86” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is “B2A07-86” 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

1. CHECK SELF-DIAGNOSIS RESULTS

 With CONSULT

Check if “U2156-87” is detected other than “B2A07-86” in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is “U2156-87” detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Description](#).

NO>>

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2. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SELF-DIAGNOSIS RESULTS

 With CONSULT

Check if any DTC is detected in “Self Diagnostic Result” of “ABS”.

Is any DTC detected?

YES>>

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

NO>>

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

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
C21F8	04	Steering angle sensor	Diagnosis condition	<ul style="list-style-type: none"> Vehicle: READY ProPILOT Assist 2.0: ON
			Signal (terminal)	—
			Threshold	If front camera unit is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Steering angle sensor
- Around view monitor control unit

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode
- 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

1. CHECK DTC PRIORITY

If DTC “C21F8-04” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Index](#).

NO>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.
2. Turn the ProPILOT Assist 2.0 system ON.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C21F8-04” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is “C21F8-04” 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