

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.

2017 NISSAN Patrol OEM Service and Repair Workshop Manual

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1. CHECK DTC PRIORITY

If DTC “U1ED6-57” 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 “U1ED6-57” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is DTC “U1ED6-57” 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 “U1ED6-57” 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

 With CONSULT

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

Is DTC “U1ED6-57” detected with DTC “U1327-52”, “U1327-54”, “U1EC0-57”, “U1EC1-57”, “U1ECE-57”, “U1ED8-57”, “U2143-57”, “U214F-57”, “U2152-57”, “U2165-57”, “U2176-57” 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. 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	
U2165	57	CAN comm err (sonar)	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error
			Diagnosis delay time	—

POSSIBLE CAUSE

- MAC communication error
- Around view monitor control unit
- Sonar 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 “U2165-57” 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 “U2165-57” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is DTC “U2165-57” 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 “U2165-57” 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

 With CONSULT

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

Is DTC “U2165-57” detected with DTC “U1327-52”, “U1327-54”, “U1EC0-57”, “U1EC1-57”, “U1ECE-57”, “U1ED6-57”, “U1ED8-57”, “U2143-57”, “U214F-57”, “U2152-57”, “U2176-57” 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. PERFORM DIAGNOSIS OF CAN COMMUNICATION CIRCUIT

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

>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U1ECE	57	Chassis control module	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error
			Diagnosis delay time	—

POSSIBLE CAUSE

- MAC communication error
- Around view monitor control unit
- Chassis control module

FAIL-SAFE

The following systems are canceled.

- ProPILOT Park

1. CHECK DTC PRIORITY

If DTC “U1ECE-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 “U1ECE-57” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is DTC “U1ECE-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 “U1ECE-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

 With CONSULT

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

Is DTC “U1ECE-57” detected with DTC “U1327-52”, “U1327-54”, “U1EC0-57”, “U1EC1-57”, “U1ED6-57”, “U1ED8-57”, “U2143-57”, “U214F-57”, “U2152-57”, “U2165-57”, “U2176-57” 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. PERFORM DIAGNOSIS OF CAN COMMUNICATION CIRCUIT

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

>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U2376	57	CAN comm err (CCM)	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error
			Diagnosis delay time	—

POSSIBLE CAUSE

- MAC communication error
- Around view monitor control unit
- Chassis control module

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
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