

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.

2016 NISSAN Navara NP300 Double Cab OEM Service and Repair Workshop Manual

[Go to manual page](#)

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait at least 30 seconds.
3. Turn power switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “IVC” using CONSULT.
5. Check DTC.

Is DTC “U2153-87” 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

Sample

1. CHECK CAN COMMUNICATION

Check CAN communication. Refer to [Trouble Diagnosis Flow Chart](#).

Is DTC “U2153-87” displayed?

YES>>

Repair or replace the malfunctioning part.

NO>>

INSPECTION END

Sample

DESCRIPTION

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart.

Refer to [CAN Communication Signal Chart](#).

DTC DETECTION LOGIC

| DTC No. | CONSULT screen terms | DTC detection condition | |
|----------|--------------------------------|-------------------------|---------------------------------|
| | | Diagnosis condition | When power switch ON |
| U2157-87 | CAN communication error (DCDC) | Signal (terminal) | CAN communication signal |
| | | Threshold | Transmission or reception error |
| | | Diagnosis delay time | 2 seconds or more |
| | | | |


POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

—

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait at least 30 seconds.
3. Turn power switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “IVC” using CONSULT.
5. Check DTC.

Is DTC “U2157-87” 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 CAN COMMUNICATION

Check CAN communication. Refer to [Trouble Diagnosis Flow Chart](#).

Is DTC “U2157-87” displayed?

YES>>

Repair or replace the malfunctioning part.

NO>>

INSPECTION END

Sample

DESCRIPTION

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart.

Refer to [CAN Communication Signal Chart](#).

DTC DETECTION LOGIC

| DTC No. | CONSULT screen terms | DTC detection condition | |
|---------|----------------------|-------------------------|---|
| | | U2159-87 | CAN communication error (steering control unit) |
| | | Signal (terminal) | CAN communication signal |
| | | Threshold | Transmission or reception error |
| | | Diagnosis delay time | 2 seconds or more |

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

—

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait at least 30 seconds.
3. Turn power switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “IVC” using CONSULT.
5. Check DTC.

Is DTC “U2159-87” 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

Sample

1. CHECK CAN COMMUNICATION

Check CAN communication. Refer to [Trouble Diagnosis Flow Chart](#).

Is DTC “U2159-87” displayed?

YES>>

Repair or replace the malfunctioning part.

NO>>

INSPECTION END

Sample

DESCRIPTION

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart.

Refer to [CAN Communication Signal Chart](#).

DTC DETECTION LOGIC

| DTC No. | CONSULT screen terms | DTC detection condition | |
|----------|------------------------------------|-------------------------|---------------------------------|
| | | Diagnosis condition | When power switch ON |
| U215B-87 | CAN communication error (IPDM E/R) | Signal (terminal) | CAN communication signal |
| | | Threshold | Transmission or reception error |
| | | Diagnosis delay time | 2 seconds or more |
| | | | |

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

—