

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.

2018 Nissan Pathfinder Service and Repair Manual

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1. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Erase self-diagnosis result for “CHASSIS CONTROL”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U215B-83” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

2. CHECK IPDM E/R SYSTEM (1)

 With CONSULT

1. Erase self-diagnosis result for “IPDM E/R”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “IPDM E/R”.

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK IPDM E/R SYSTEM (2)

1. Power switch OFF.
2. Disconnect IPDM E/R harness connector.
3. Check IPDM E/R harness connector terminals (CAN communication line) or damage or loose connection.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair / replace harness, connector, or terminal.

4. ERASE SELF-DIAGNOSIS RESULT

 With CONSULT

1. Connect IPDM E/R harness connector.
2. Erase self-diagnosis result for “CHASSIS CONTROL”.
3. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.

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INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U215B	87	CAN communication error (IPDM E/R)	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to IPDM E/R.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from IPDM E/R.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- IPDM E/R

FAIL-SAFE

The following functions are suspended.

Drive mode selector function

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF (auto ACC function OFF) and wait at least 10 seconds before conducting the next test.

>>

[GO TO 2.](#)

2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (auto ACC function OFF) to ON.

CAUTION:

Be sure to wait of 10 seconds after power switch OFF (auto ACC function OFF) or ON.

2. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U215B-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. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Erase self-diagnosis result for “CHASSIS CONTROL”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U215B-87” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

2. CHECK IPDM E/R SYSTEM (1)

 With CONSULT

1. Erase self-diagnosis result for “IPDM E/R”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “IPDM E/R”.

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK IPDM E/R SYSTEM (2)

1. Power switch OFF.
2. Disconnect IPDM E/R harness connector.
3. Check IPDM E/R harness connector terminals (CAN communication line) or damage or loose connection.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair / replace harness, connector, or terminal.

4. ERASE SELF-DIAGNOSIS RESULT

 With CONSULT

1. Connect IPDM E/R harness connector.
2. Erase self-diagnosis result for “CHASSIS CONTROL”.
3. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.

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INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2165	83	CAN communication error sonar	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to sonar control unit.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from sonar control unit.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- Sonar control unit

FAIL-SAFE

Normal control

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF (auto ACC function OFF) and wait at least 10 seconds before conducting the next test.

>>

[GO TO 2.](#)

2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (auto ACC function OFF) to ON.

CAUTION:

Be sure to wait of 10 seconds after power switch OFF (auto ACC function OFF) or ON.

2. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U2165-83” 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. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Erase self-diagnosis result for “CHASSIS CONTROL”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U2165-83” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

2. CHECK SONAR CONTROL UNIT SYSTEM (1)

 With CONSULT

1. Erase self-diagnosis result for “SONAR”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “SONAR”.

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK SONAR CONTROL UNIT SYSTEM (2)

1. Power switch OFF.
2. Disconnect sonar control unit harness connector.
3. Check sonar control unit harness connector terminals (CAN communication line) or damage or loose connection.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair / replace harness, connector, or terminal.