

# 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.

## Nissan Pathfinder 2018 Manual Service & Repair Workshop Guide

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## 1. PRECONDITIONING

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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

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 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 “U2152-87” 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

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 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 “U2152-87” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

## 2. CHECK ADAS CONTROL UNIT 2 SYSTEM (1)

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 With CONSULT

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

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

## 3. CHECK ADAS CONTROL UNIT 2 SYSTEM (2)

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1. Power switch OFF.
2. Disconnect ADAS control unit 2 harness connector.
3. Check ADAS control unit 2 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

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 With CONSULT

1. Connect ADAS control unit 2 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		
U2154	87	CAN communication error multimedia interface unit	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to AV 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 AV control unit.
				Diagnosis delay time	2 seconds or more

**POSSIBLE CAUSE**

- CAN communication system
- AV control unit

**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 “U2154-87” 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

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 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 “U2154-87” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

## 2. CHECK VCM SYSTEM (1)

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 With CONSULT

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

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

## 3. CHECK VCM SYSTEM (2)

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1. Power switch OFF.
2. Disconnect AV control unit harness connector.
3. Check AV 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.

## 4. ERASE SELF-DIAGNOSIS RESULT

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 With CONSULT

1. Connect AV control unit 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	83	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.

Automatic brake hold function

## 1. PRECONDITIONING

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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.

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## 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-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