

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 Patrol OEM Service and Repair Workshop Manual

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4. ERASE SELF-DIAGNOSIS RESULT

 With CONSULT

1. Connect sonar 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.

>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2165	87	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.

>>

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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 “U2165-87” 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 “U2165-87” 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>>

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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.

4. ERASE SELF-DIAGNOSIS RESULT

 With CONSULT

1. Connect sonar 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.

>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U218B	83	CAN communication error	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to Li-ion battery controller.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from Li-ion battery controller.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- Li-ion battery controller

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 “U218B-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 “U218B-83” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

2. CHECK LI-ION BATTERY CONTROLLER SYSTEM (1)

 With CONSULT

1. Erase self-diagnosis result for “HV BATTERY” and “HV BATTERY 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 “HV BATTERY” and “HV BATTERY 2”.

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

3. CHECK LI-ION BATTERY CONTROLLER SYSTEM (2)

1. Power switch OFF.
2. Disconnect Li-ion battery controller harness connector.
3. Check Li-ion battery controller 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 Li-ion battery controller 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