

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 Pulsar OEM Service and Repair Workshop Manual

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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 “U2248-87” 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 “U2248-87” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

2. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SYSTEM (1)

 With CONSULT

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

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

3. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SYSTEM (2)

1. Power switch OFF.
2. Disconnect ABS actuator and electric unit (control unit) harness connector.
3. Check ABS actuator and electric unit (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 ABS actuator and electric unit (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		
U2359	83	CAN communication error steering control unit	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to power steering control module.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from power steering control module.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- Power steering control module

FAIL-SAFE

Normal control

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[GO TO 2.](#)

2. CHECK DTC DETECTION

 With CONSULT

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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 “U2359-83” 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 “U2359–83” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

2. CHECK POWER STEERING CONTROL MODULE SYSTEM (1)

 With CONSULT

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

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

3. CHECK POWER STEERING CONTROL MODULE SYSTEM (2)

1. Power switch OFF.
2. Disconnect power steering control module harness connector.
3. Check power steering control module 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 ABS actuator and electric unit (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		
U2359	87	CAN communication error steering control unit	1	Diagnosis condition	When power switch is ON.
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Confirmation after repair: INSPECTION END