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2018 NISSAN Primera Sedan OEM Service and Repair Workshop Manual

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SIEMD-7163493

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U218B	87	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

SIEMD-7163494

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-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

SIEMD-7163492

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-87” 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

SIEMD-7268409

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2248	83	CAN communication error brake control unit	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to ABS actuator and electric unit (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 ABS actuator and electric unit (control unit).
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- ABS actuator and electric unit (control unit)

FAIL-SAFE

The following functions are suspended.

- Intelligent trace control function
- Automatic brake hold function
- e-Step function

SIEMD-7268410

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 “U2248-83” 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

SIEMD-7268411

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 “U2248-83” 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

SIEMD-7268412

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2248	87	CAN communication error brake control unit	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to ABS actuator and electric unit (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 ABS actuator and electric unit (control unit).
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- ABS actuator and electric unit (control unit)

FAIL-SAFE

The following functions are suspended.

- Intelligent trace control function
- Automatic brake hold function
- e-Step function