

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 Sentra SE-R OEM Service and Repair Workshop Manual

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1. CHECK LI-ION BATTERY CONTROLLER SYSTEM

 With CONSULT

Perform self-diagnosis for "HV BATTERY" and "HV BATTERY 2".

Is DTC detected?

YES>>

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

NO>>

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2. ERASE SELF-DIAGNOSIS RESULT

 With CONSULT

1. Erase self-diagnosis result for "CHASSIS CONTROL".
2. Power switch OFF and wait for 10 seconds or more.

>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C1B8B	82	Power network separate relay	Diagnosis condition	When power switch is ON.
			Signal (terminal)	CAN communication signal
			Threshold	Power network separate relay is malfunctioning.
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

Power network separate relay system

FAIL-SAFE

Normal control

Sample

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 "C1B8B-82" detected?

YES-1>>

"CRNT" is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

"PAST" is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)


NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK POWER NETWORK SEPARATE SYSTEM

 With CONSULT

Perform self-diagnosis for "PNS relay".

Is DTC detected?


YES>>

Check the DTC.

NO>>

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2. ERASE SELF-DIAGNOSIS RESULT

 With CONSULT

1. Erase self-diagnosis result for "CHASSIS CONTROL".
2. Power switch OFF and wait for 10 seconds or more.

>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
U2152	57	CAN communication error advanced driver assistant systems control unit	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error.
			Diagnosis delay time	—

POSSIBLE CAUSE

- Chassis control module used in vehicles is installed in the vehicle
- Chassis control module
- ADAS control unit 2

FAIL-SAFE

Normal control

1. CHECK DTC PRIORITY

If DTC "U2152-57" is displayed with DTC "U1327-52" or DTC "U1327-54", first perform the trouble diagnosis for DTC "U1327-52" or DTC "U1327-54".

Is DTC "U1327-52" or DTC "U1327-54" detected?

YES>>

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO>>

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2. CHECK MAC DIAGNOSIS

1. Power switch ON.
2. Perform "MAC Diagnosis" mode of "CHASSIS CONTROL" using CONSULT.

Is DTC "U2152-57" 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. CHECK DTC PRIORITY

If DTC "U2152-57" is displayed with DTC "U1327-52" or DTC "U1327-54", first perform the trouble diagnosis for DTC "U1327-52" or DTC "U1327-54".

Is DTC "U1327-52" or DTC "U1327-54" detected?

YES>>

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO>>

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2. CHECK MAC DIAGNOSIS

Perform "MAC Diagnosis" mode of "CHASSIS CONTROL" using CONSULT.

Is DTC "U2152-57" detected with DTC "U1327-52", DTC "U1327-54", DTC "U2143-57", DTC "U214F-57", and DTC "U2165-57" at the same time?

YES (all DTC codes are detected at the same time)>>

Replace the chassis control module. Refer to [CHASSIS CONTROL MODULE : Removal & Installation](#).

NO (all DTC codes are not detected at the same time)>>

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3. CHECK CAN DIAGNOSIS

Perform "CAN Diag".

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace root cause.

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
U2165	57	CAN communication error sonar	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error.
			Diagnosis delay time	—

POSSIBLE CAUSE

- Chassis control module used in vehicles is installed in the vehicle
- Chassis control module
- Sonar control unit

FAIL-SAFE

Normal control

1. CHECK DTC PRIORITY

If DTC "U2165-57" is displayed with DTC "U1327-52" or DTC "U1327-54", first perform the trouble diagnosis for DTC "U1327-52" or DTC "U1327-54".

Is DTC "U1327-52" or DTC "U1327-54" detected?

YES>>

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO>>

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2. CHECK MAC DIAGNOSIS

1. Power switch ON.
2. Perform "MAC Diagnosis" mode of "CHASSIS CONTROL" using CONSULT.

Is DTC "U2165-57" 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