

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.

1996 NISSAN 100 NX OEM Service and Repair Workshop Manual

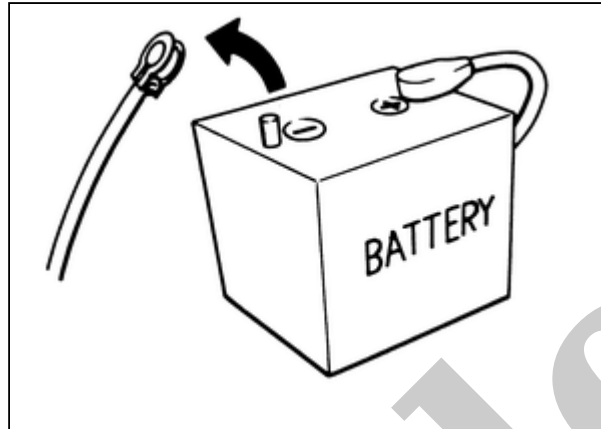
[Go to manual page](#)

- Never disassembly chassis control module.
- Replace a parts if it is dropped or sustains an impact.
- Never perform active test when driving.
- When the e-Step warning displayed in the information display inspection must be performed. e-Step function will not may operate. (Decelerating and stopping by depressing the brake pedal)
- If the deceleration force provided by the e-Step function is not sufficient, depress the brake pedal.
- Braking force may decrease on slippery roads such as overload, steep slopes, and frozen roads. Use the brake pedal if braking force is required.
- Under the following conditions, place the vehicle in the P (Park) position and make sure the parking brake is securely applied. The vehicle may start moving suddenly.
 - When getting in and out of the vehicle.
 - When loading and unloading the vehicle.
 - When stopping the vehicle for a long period of time.
- Under the following conditions, turn OFF the e-Step function.
 - When use car washing machine.
 - When the vehicle is towed.
- When e-Step function is ON, the deceleration characteristics with the accelerator pedal are significantly different from when the e-Step function is OFF, never misoperate the e-Step switch.
- The setting of e-Step retain mode does not change even if shipping mode was initialized on the vehicle information display of the combination meter.
- Shifting the shift position from D (Drive) to B or from B to D will not affect the e-Step function feature. This is not malfunction.

PRECAUTIONS FOR REMOVING 12V BATTERY : Precautions

RDE-001824947

- With the adoption of Auto ACC function, ACC power is automatically supplied by operating the Intelligent Key or remote keyless entry or by opening/closing the driver side door. In addition, ACC power is supplied even after the ignition switch is turned to the OFF position, i.e. ACC power is supplied for a certain fixed time.
- When disconnecting the 12V battery terminal, turn off the ACC power before disconnecting the 12V battery terminal, observing “How to disconnect 12V battery terminal” described below.



RDE-001824947-01-EF289H



NOTE:

ECU may be active for several minutes after the power switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- Always disconnect the battery terminal within 60 minutes after turning OFF the power switch. Even when the power switch is OFF, the 12V battery automatic charge control may automatically start after a lapse of 60 minutes from power switch OFF.
- Disconnect 12V battery terminal according to the following steps.

CAUTION:

Do not remove the battery during the update as the software update cannot be completed normally if the battery is removed during the software update.

WORK PROCEDURE

1. Open the hood (LHD models) or the back door (RHD models).
2. Check that charge cable (including EVSE) is not connected to the charge port.



NOTE:

If charge cable (including EVSE) is connected, the air conditioning system may be automatically activated by the timer A/C function.

3. Turn the power switch OFF → ON → press the power switch for at least 2 seconds to turn the high voltage system OFF, and then check that the charging status indicator is not illuminated.



NOTE:

When the high voltage system is turned ON, the charging status indicator blinks green with a frequency of 1 second.

4. Get out of the vehicle. Close all doors {except the hood (LHD models) or the back door (RHD models)}.
5. Check that the combination meter turns OFF and wait for 5 minutes or more.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the Auto ACC function.

**NOTE:**

If the battery is removed within 5 minutes after the power switch is turned OFF, plural DTCs may be detected.

6. Check that the followings are not illuminated.

- Charging status indicator
- Electric parking brake warning lamp

7. Remove 12V battery terminal within 60 minutes after the power switch is turned OFF at Step 3.

CAUTION:

- After all doors (including hood and back door) are closed, if a door (including hood and back door) is opened before battery terminals are disconnected, start over from Step 3.
- After turning the power switch OFF, if "Remote A/C" is activated by user operation, stop the air conditioner and start over from Step 3.

**NOTE:**

Once the power switch is turned ON → OFF, the 12V battery automatic charge control does not start for approximately 1 hour.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the power switch.

**NOTE:**

If the power switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

**NOTE:**

The removal of 12V battery may cause a DTC detection error.

Wiring Diagram

Click link to [Wiring Diagram](#).

Sample

DETAILED FLOW

1. INTERVIEW FROM THE CUSTOMER

Clarify customer complaints before inspection. First of all, perform an interview utilizing diagnostic work sheet and reproduce the symptom as well as fully understand it. Ask customer about his/her complaints carefully. Check symptoms by driving vehicle with customer, if necessary. Refer to [Diagnostic Work Sheet](#).

CAUTION:

Customers are not professional. Never guess easily like “maybe the customer means that...,” or “ maybe the customer mentions this symptom”.

>>

[GO TO 2.](#)

2. CHECK SYMPTOM

Reproduce the symptom that is indicated by the customer, based on the information from the customer obtained by interview. Also check that the symptom is not caused by fail-safe mode. Refer to [Fail-safe](#).

CAUTION:

When the symptom is caused by normal operation, fully inspect each portion and obtain the understanding of customer that the symptom is not caused by a malfunction.

>>

[GO TO 3.](#)

3. PERFORM THE SELF-DIAGNOSIS

 With CONSULT

Perform “All DTC Reading”.

Is DTC detected?

YES>>

Record or print self-diagnosis results and freeze frame data (FFD). [GO TO 4.](#)

NO>>

INSPECTION END

4. PERFORM DTC DIAGNOSIS PROCEDURE

 With CONSULT

Perform confirmation procedures for the error-detected system.

**NOTE:**

If some DTCs are detected at the same time, determine the order for performing the diagnosis. Refer to [DTC Inspection Priority Chart](#).

Is DTC detected?

YES>>

[GO TO 5.](#)

NO>>

Check harness and connectors based on the information obtained by interview. Refer to [Intermittent Incident](#).

5. REPAIR OR REPLACE ERROR-DETECTED PART

 With CONSULT

1. Repair or replace error-detected parts.
2. Reconnect part or connector after repairing or replacing.
3. When DTC is detected, erase self-diagnostic result for "All DTC Reading".

>>

[GO TO 6.](#)

6. FINAL CHECK

 With CONSULT

1. Check the "Values On The Diagnosis Tool" for "CHASSIS CONTROL".
2. Recheck the symptom and check that the symptom is not reproduced on the same conditions.

Is the symptom reproduced?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

DESCRIPTION

- In general, customers have their own criteria for a problem. Therefore, it is important to understand the symptom and status well enough by asking the customer about his/her concerns carefully. To systemize all the information for the diagnosis, prepare the interview sheet referring to the interview points.
- In some cases, multiple conditions that appear simultaneously may cause a DTC to be detected.

INTERVIEW SHEET SAMPLE

Interview sheet					
Customer name	MR/MS	Registration number	Initial year registration		
		Vehicle type	VIN		
Storage date		Engine/traction Motor	Mileage	km (Mile)	
Symptom	<input type="checkbox"/> Does not operate () function				
	<input type="checkbox"/> Warning lamp for () turns ON.				
	<input type="checkbox"/> Noise <input type="checkbox"/> Vibration				
	<input type="checkbox"/> Other ()				
First occurrence	<input type="checkbox"/> Recently <input type="checkbox"/> Other ()				
Frequency of occurrence	<input type="checkbox"/> Always <input type="checkbox"/> Under a certain conditions of <input type="checkbox"/> Sometimes (time(s)/day)				
Climate conditions		<input type="checkbox"/> Irrelevant			
	Weather	<input type="checkbox"/> Fine <input type="checkbox"/> Cloud <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Others ()			
	Temperature	<input type="checkbox"/> Hot <input type="checkbox"/> Warm <input type="checkbox"/> Cool <input type="checkbox"/> Cold <input type="checkbox"/> Temperature [Approx.		°C (°F)]	
	Relative humidity	<input type="checkbox"/> High <input type="checkbox"/> Moderate <input type="checkbox"/> Low			
Road conditions	<input type="checkbox"/> Urban area <input type="checkbox"/> Suburb area <input type="checkbox"/> Highway <input type="checkbox"/> Mountainous road (uphill or downhill) <input type="checkbox"/> Rough road				
Operating condition, etc.	<input type="checkbox"/> Irrelevant				
	<input type="checkbox"/> When engine/traction motor starts <input type="checkbox"/> During idling				
	<input type="checkbox"/> During driving <input type="checkbox"/> During acceleration <input type="checkbox"/> At constant speed driving				
	<input type="checkbox"/> During deceleration				
	<input type="checkbox"/> During cornering (right curve or left curve)				
	<input type="checkbox"/> When steering wheel is steered (to right or to left)				
Other conditions					
Vehicle equipment					
Memo					

Diagnosis Procedure

e-Step function is not operated under the sufficient condition. Refer to [Diagnosis Procedure](#).

Sample

Diagnosis Procedure

SIEMD-7262681

When the e-Step switch is operated, no switching ON/OFF occurs. Refer to [Diagnosis Procedure](#).

Sample