

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 Juke OEM Service and Repair Workshop Manual

[Go to manual page](#)

List of ECU Reference

SIEMD-7255949

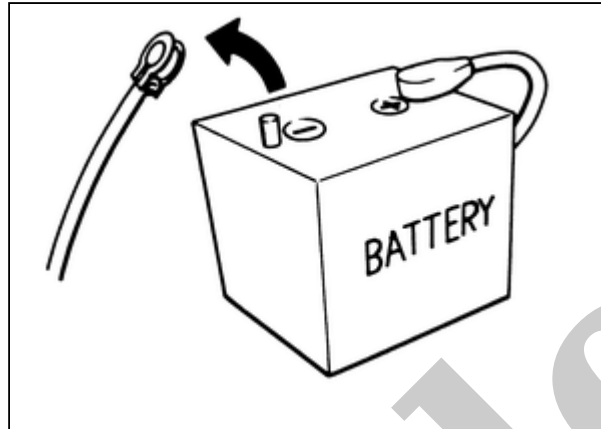
ECU	Reference
Driver monitor camera control unit	Reference Value
	Fail-safe (Driver Monitor Camera Control Unit)
	DTC Inspection Priority Chart
	DTC Index

Sample

PRECAUTIONS FOR REMOVING 12V BATTERY : Precautions

RDE-001978709

- 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-001824927-01-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.

- Never disassemble the chassis control module.
- The parts must not be reused if they are dropped.
- Never perform “Active test” while driving the vehicle.
- When the intelligent trace control function is activated, the driver may feel some vibration on the brake pedal, hear operating sound, or have feel of the deceleration. This is not a malfunction because it is caused by intelligent trace control function that is normally operated.
- Intelligent trace control function is not always activated in any driving conditions.
- Never operate automatic brake hold on a steep slope or a slippery road. (The vehicle may move even when automatic brake hold is applied.)
- When the stopped condition of the vehicle cannot be maintained by automatic brake hold, depress brake pedal to maintain the stopped condition.
- Master warning lamp (yellow) illuminates if a malfunction occurs in automatic brake hold system. A pop-up screen also appears. [System Description](#)
- When the vehicle is moved or may start moving while automatic brake hold is being applied, master warning lamp (red) illuminates, and a warning chime sounds at the same time. A pop-up screen also appears. [System Description](#)
- When the vehicle is to be moved by towing, car washing machine, or other means, turn OFF automatic brake hold.
- When parking the vehicle, with the shift position is in the P and apply electric parking brake.
- When getting on the vehicle or when loading/unloading a cargo, with the shift position is in the P and apply electric parking brake.
- When VDC warning lamp or brake system warning lamp (yellow) is illuminated, automatic brake hold does not operate.
- Automatic brake hold just after power switch is turned ON is in the same state as when power switch was turned OFF the last time.
- While automatic brake hold is being applied, the system may apply the brakes to maintain the stopped condition of the vehicle. At this time, a operating noise may be generated. These are not symptoms of malfunctions and indicate normal operating conditions.
- If the switch indicator does not illuminate after operating automatic brake hold switch, inspect brake control system and parking brake system in addition to automatic brake hold system.
- After replacing automatic brake hold-related parts, check that the automatic brake hold switch indicator turns ON/OFF when operating automatic brake hold switch.
- The e-Step function will be switched ON or OFF each time the e-Step switch is operated. At the same time, the information display of combination meter is also switched.

CAUTION:

- **When operating the e-Step switch to OFF while the vehicle is stopped, operate the e-Step switch while depressing the brake pedal.**
- **When power switch OFF and then put the vehicle in the READY state again, the setting of the e-Step function will be turned OFF. To keep the e-Step function activated even when the vehicle to READY again, turn the Mode Memory ON in the information display of combination meter.**



NOTE:

- **When the setting of the e-Step function is turned OFF, the vehicle creep phenomenon occurs.**
- **The degree of deceleration changes when the e-Step function is switched ON / OFF.**

Wiring Diagram

SIEMD-7268450

Click link to [Wiring Diagram](#).

Sample

When replacing chassis control module, it is necessary to write MAC key to chassis control module. Write MAC key to chassis control module according to "MAC Key writing" procedure of "CONSULT".

CAUTION:

During MAC key writing, maintain the following conditions:

- Ignition switch ON
- CONSULT is connected to internet

1. PERFORM MAC KEY WRITING

1. Power switch ON.
2. Select "MAC Key writing" on "Work support" of "CHASSIS CONTROL" using CONSULT.
3. Touch "Write".

>>

WORK END

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 the 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 SELF-DIAGNOSIS

 With CONSULT

Perform self-diagnosis for “CHASSIS CONTROL”.

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 Procedure for the error-detected system.

**NOTE:**

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

Is DTC detected?

YES>>

[GO TO 5.](#)

NO>>

Check harness and connectors based on the information obtained by the interview.

5. REPAIR OR REPLACE ERROR-DETECTED PARTS

1. Repair or replace error-detected parts.
2. Reconnect part or connector after repairing or replacing.
3. When DTC is detected, erase self-diagnosis results for “CHASSIS CONTROL”.

>>

[GO TO 6.](#)

6. FINAL CHECK

 With CONSULT

1. Check the reference value 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 symptom. Therefore, it is important to understand the symptom and status well enough by interviewing the customer about the symptom 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 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				