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2016 NISSAN 370z Nismo OEM Service and Repair Workshop Manual

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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.

PRECAUTIONS FOR SUPPLEMENTAL RESTRAINT SYSTEM (SRS) AIR BAG AND SEAT BELT PRE-TENSIONER : Precautions

RDE-001980063

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision.

Information necessary to service the system safely is included in the “SRS AIR BAG” and “SEAT BELT” of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see “SRS AIR BAG”.
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition/power switch ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition/power switch OFF, disconnect the 12V battery or batteries, and wait at least 3 minutes before performing any service.

Wiring Diagram

Refer to [Wiring Diagram](#).

Sample

DESCRIPTION

When replacing 8CH CAN gateway, the following procedure must be performed.

WORK PROCEDURE

1. SAVE 8CH CAN GATEWAY PART NUMBER

 With CONSULT

Read out the part number from the old 8CH CAN gateway and save the number, following the "Replace ECU" instructions. Refer to "CONSULT Operation Manual".



NOTE:

- The 8CH CAN gateway part number is saved in CONSULT.
- Even when 8CH CAN gateway part number is not saved in CONSULT, go to 2.

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[GO TO 2.](#)

2. REPLACE 8CH CAN GATEWAY

Replace 8CH CAN gateway. Refer to [Removal and Installation](#).

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[GO TO 3.](#)

3. PERFORM 8CH CAN GATEWAY PROGRAMMING

 With CONSULT

Perform the 8CH CAN gateway "Replace ECU". Refer to "CONSULT Operation Manual".

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[GO TO 4.](#)

4. WRITING VIN DATA

 With CONSULT

1. Select "Work support" mode of "8ch CAN GATEWAY 2" using CONSULT.
2. Select "WRITE VIN DATA" .
3. Follow the steps displayed in CONSULT.

>>

[GO TO 5](#)

5. CHECK ALL ECU SELF-DIAGNOSIS RESULTS

1. Erase all ECU self-diagnosis results using CONSULT.
2. After the power switch OFF, open the driver's side door and wait for 2 minutes or more.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors during the standby state. Refer to [System Description](#).

3. Power switch ON and wait for 2 seconds or more.
4. Check that all ECU self-diagnosis results have no DTC (e.g. U1000 and U1001) of CAN communication.

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WORK END

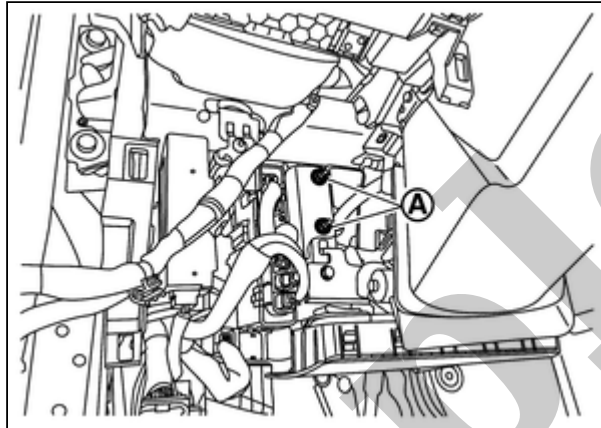
Sample

 **NOTE:**
Perform **ADDITIONAL SERVICE WHEN REPLACING 8CH CAN GATEWAY**. Refer to [Work Procedure](#).

REMOVAL

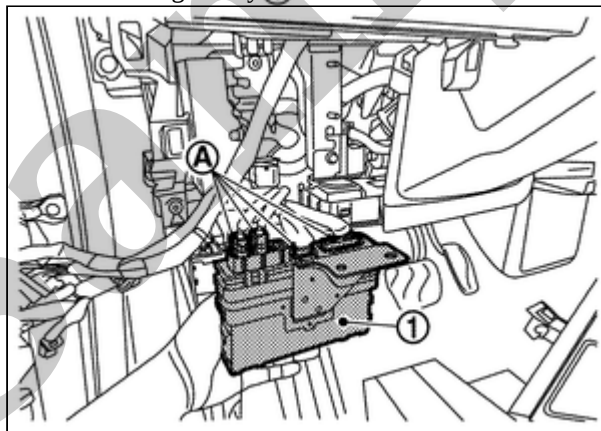
1 Remove instrument lower panel. Refer to [Removal and Installation](#).

2 Remove mounting nuts **A**.



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3 Remove harness connector **A** to remove 8CH CAN gateway **1**.



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INSTALLATION

Install in the reverse order of removal.

DTC	CONSULT display	Reference
—	No DTC is detected. Further testing may be required.	—
B2600-42	Configuration error	DTC Description
B2600-46	Configuration error	DTC Description
B2600-49	Configuration error	DTC Description
B2600-56	Configuration error	DTC Description
B2601-42	Memory failure for firmware over	DTC Description
U1325-54	Configuration incomplection	DTC Description
U2340-87	CAN communication error (ECM)	DTC Description
U2343-87	CAN communication error (VCM/HCM)	DTC Description
U2448-87	CAN communication error (ABS control unit)	DTC Description
U254F-87	CAN communication error (BCM)	DTC Description
U255B-87	CAN communication error (IPDM E/R)	DTC Description
U278C-88	Ethernet circuit	DTC Description
U288C-88	Ethernet circuit	DTC Description
U298C-88	Ethernet circuit	DTC Description

DTC Inspection Priority Chart

SIEMD-16480117913491

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	DTC
1	<ul style="list-style-type: none">• B2600-56: Configuration error
2	<ul style="list-style-type: none">• U1325-54: Configuration incomplection
3	<ul style="list-style-type: none">• B2600-46: Configuration error
4	<ul style="list-style-type: none">• B2600-42: Configuration error• B2600-49: Configuration error• B2601-42: Memory failure for firmware over
5	<ul style="list-style-type: none">• U2340-87: CAN communication error (ECM)• U2343-87: CAN communication error (VCM/HCM)• U2448-87: CAN communication error (ABS control unit)• U254F-87: CAN communication error (BCM)• U255B-87: CAN communication error (IPDM E/R)
6	<ul style="list-style-type: none">• U278C-88: Ethernet circuit• U288C-88: Ethernet circuit• U298C-88: Ethernet circuit

DTC	Display contents of CONSULT	Fail-safe condition
B2600-42	Configuration error	8CH CAN gateway stops transmitting and receiving the following. <ul style="list-style-type: none"> • CAN communication signals between each CAN communication circuit • Ethernet communication signals between each ethernet communication circuit
B2600-46	Configuration error	8CH CAN gateway stops transmitting and receiving the following. <ul style="list-style-type: none"> • CAN communication signals between each CAN communication circuit • Ethernet communication signals between each ethernet communication circuit
B2600-49	Configuration error	8CH CAN gateway stops transmitting and receiving the following. <ul style="list-style-type: none"> • CAN communication signals between CAN communication circuit which cannot communicate • Ethernet communication signals between ethernet communication circuit which cannot communicate
B2600-56	Configuration error	—
B2601-42	Memory failure for firmware over	Software automatic update function (OTA) fails, but system continue normal control.
U1325-54	Configuration incompleton	8CH CAN gateway stops transmitting and receiving the following. <ul style="list-style-type: none"> • CAN communication signals between each CAN communication circuit • Ethernet communication signals between each ethernet communication circuit
U2340-87	CAN communication error (ECM)	System continue normal control.
U2343-87	CAN communication error (VCM/HCM)	System continue normal control.
U2448-87	CAN communication error (ABS control unit)	System continue normal control.
U254F-87	CAN communication error (BCM)	System continue normal control.
U255B-87	CAN communication error (IPDM E/R)	System continue normal control.
U278C-88	Ethernet circuit	8CH CAN gateway stops transmitting and receiving ethernet communication signals between ethernet communication circuit which cannot communicate.
U288C-88	Ethernet circuit	8CH CAN gateway stops transmitting and receiving ethernet communication signals between ethernet communication circuit which cannot communicate.
U298C-88	Ethernet circuit	8CH CAN gateway stops transmitting and receiving ethernet communication signals between ethernet communication circuit which cannot communicate.