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# SERVICE CAMPAIGN BULLETIN

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Classification:	Reference:	Date:
EL19-014	NTB19-055	July 9, 2019

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## VOLUNTARY SERVICE CAMPAIGN 2011-2019 LEAF; LITHIUM-ION BATTERY BONDING PLATES

**CAMPAIGN ID #:** P9312  
**APPLIED VEHICLES:** 2011-2017 LEAF (ZE0)  
2018-2019 LEAF (ZE1) with 40 kWh battery only

**Check Service COMM or Dealer Business Systems (DBS)  
National Service History to confirm campaign eligibility.**

### INTRODUCTION

Nissan is conducting this voluntary service campaign on certain specific model year 2011-2019 LEAF vehicles to replace the Lithium-Ion battery bonding plates. This service will be performed at no charge to the customer for parts or labor.

### IDENTIFICATION NUMBER

Nissan has assigned identification number P9312 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

### DEALER RESPONSIBILITY

Dealers are to repair vehicles falling within range of this campaign that enter the service department. This includes vehicles purchased from private parties, vehicles presented by transient (tourists) owners, and vehicles in a dealer's inventory.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

## SERVICE PROCEDURE

**IMPORTANT: Follow all warnings, cautions, and notes in the Electronic Service Manual (ESM) when working on or near the High Voltage System.**

- Refer to the ESM for all warnings, cautions, and notes: GENERAL INFORMATION > GENERAL INFORMATION > PRECAUTION > CAUTIONS AS TO HIGH VOLTAGE/HIGH VOLTAGE PRECAUTIONS.

**NOTE: This procedure is to be performed ONLY by a technician with current LEAF certification.**

1. Disconnect the high voltage system.
  - Refer to the ESM for disconnecting the high voltage system: GENERAL INFORMATION > GENERAL INFORMATION > PRECAUTION > CAUTIONS AS TO HIGH VOLTAGE > HOW TO DISCONNECT HIGH VOLTAGE > PROCEDURE FOR DISCONNECTING HIGH VOLTAGE.
2. Place the vehicle on a lift.
3. Remove the Li-Ion battery under cover (front).
  - Refer to the ESM for Li-Ion battery under cover (front) removal: BODY EXTERIOR, DOORS, ROOF & VEHICLE SECURITY > EXTERIOR > REMOVAL AND INSTALLATION > LI-ION BATTERY UNDER COVER (FRONT).
  - See Figure 1 for 2011-2017 models and Figure 2 for 2018-2019 models.



Figure 1

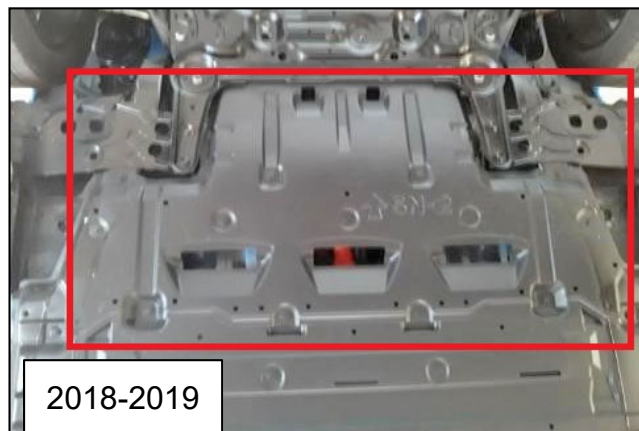


Figure 2

4. Perform potential equalization inspection.
  - a. Remove the harness clamp (A) (see Figure 3).
  - b. Disconnect the Li-Ion battery high voltage harness connector (B) (see Figure 4).

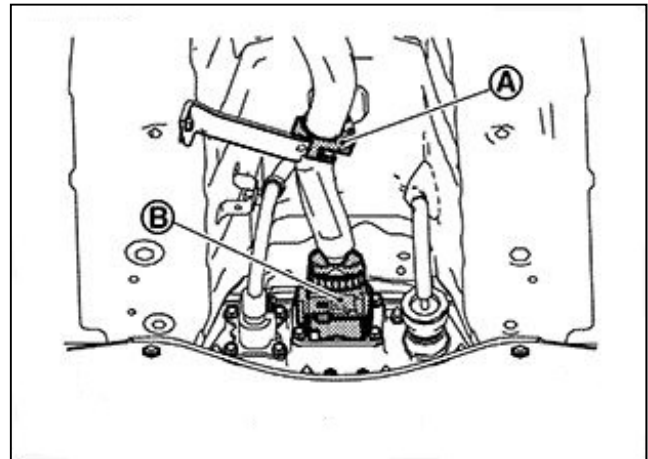


Figure 3

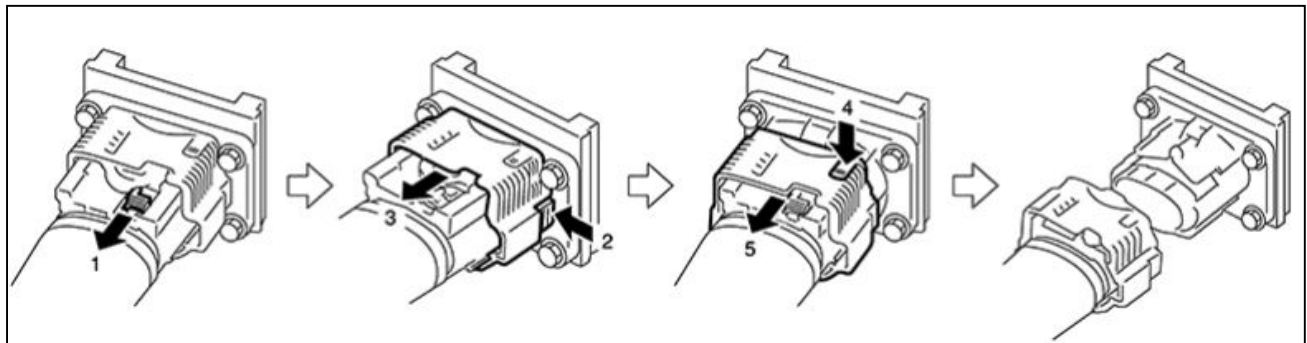


Figure 4

- c. Using the insulation resistance tester, check the voltage between both terminals of the HV harness.
      - If the reading is 5 volts or less, continue to step 5.
      - If the reading is over 5 volts, wait 10 minutes and retest. Do not continue to step 5 until the reading is 5 volts or less.

5. Locate the two (2) Li-Ion battery bonding plates connecting the HV battery case to the vehicle body (see Figure 5).
6. Apply rust penetrant to the four (4) bolts of the bonding plates.
  - Allow rust penetrant to set for at least 10 minutes.

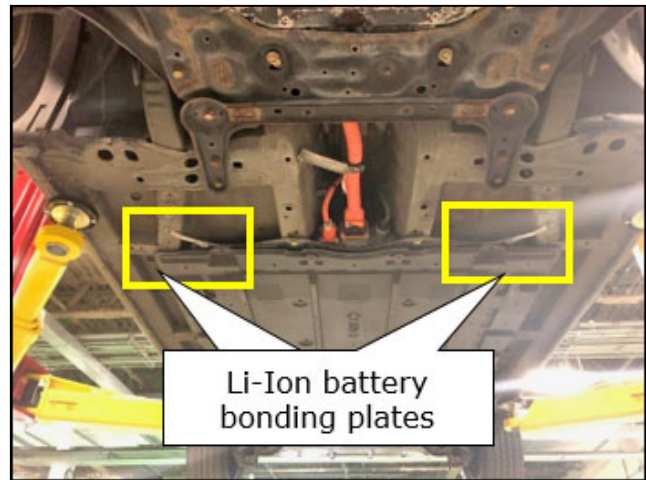


Figure 5

7. Remove the four (4) bolts from both the LH/RH bonding plates (see Figure 6).
  - Remove the four (4) bolts from both the LH/RH bonding plates (See Figure 6).
8. Remove the bonding plates from the vehicle.



Figure 6

9. Install the new bonding plates. See **PARTS INFORMATION** on page 6.
  - Install the new bonding plates using new bolts.
  - Torque the bonding plate bolts to 11 N·m (1.1kg-m, 8 ft lb).

10. Perform an electric equipotential test by measuring the resistance between the two (2) battery pack ground bolts (A) and the body ground.

- If the resistance is less than 0.1 ohm, continue to step 11.
- If the resistance is 0.1 ohm or greater, check and correct the following:
  - Conditions of bonding plate connection.
  - Corrosion on bonding plate mounting surface.
  - Presence of paint, oil, dirt, or other substance on the bonding plate mounting surface.

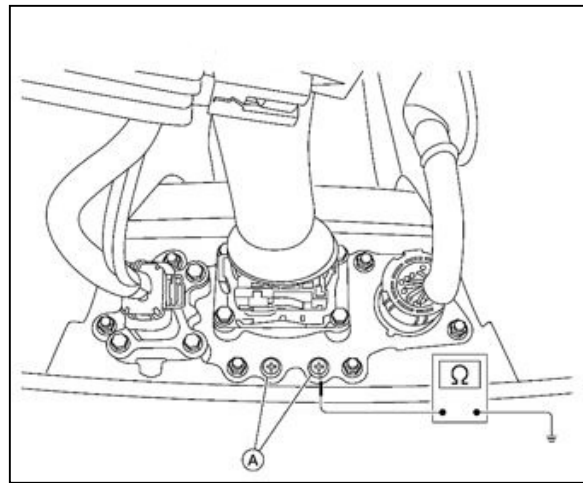


Figure 7

11. Reinstall the Li-Ion battery under cover (front).

- Refer to the ESM for Li-Ion battery under cover (front) installation: BODY EXTERIOR, DOORS, ROOF & VEHICLE SECURITY > EXTERIOR > REMOVAL AND INSTALLATION > LI-ION BATTERY UNDER COVER (FRONT).

12. Lower the vehicle.

13. Connect the high voltage system.

- Refer to the ESM for connecting the high voltage system: GENERAL INFORMATION > GENERAL INFORMATION > PRECAUTION > CAUTIONS AS TO HIGH VOLTAGE > HOW TO DISCONNECT HIGH VOLTAGE > PROCEDURE FOR CONNECTING HIGH VOLTAGE.

**PARTS INFORMATION**

<b>DESCRIPTION</b>	<b>PART NUMBER</b>	<b>QUANTITY</b>
PLATE-FRAME (Bonding Plate)	744J7-5SB0A	2
SCREWS	01456-00031	4

**CLAIMS INFORMATION**

Submit a "CM" line claim using the following claims coding:

<b>CAMPAIGN ("CM") ID</b>	<b>DESCRIPTION</b>	<b>OP CODE</b>	<b>FRT</b>
P9312	Replace Bonding Plates	P93120	1.1

**AMENDMENT HISTORY**

<b>PUBLISHED DATE</b>	<b>REFERENCE</b>	<b>DESCRIPTION</b>
July 9, 2019	NTB19-055	Original bulletin published