



SERVICE BULLETIN

Classification: EL13-044	Reference: NTB14-091	Date: September 15, 2014
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2013 LEAF; EVSE CHARGE CABLE CONNECTOR MAY NOT DISENGAGE FROM CHARGE PORT AND/OR WILL NOT CHARGE

APPLIED VEHICLE: 2013 LEAF (ZE0)

IF YOU CONFIRM:

The Electric Vehicle Supply Equipment (EVSE) charge cable connector, used for trickle charging, will not disengage from the vehicle's charging port and/or will not charge the vehicle.

NOTE: EVSE for 120vac trickle charging is shown in Figure A and is stored in the vehicle's cargo area.



Figure A

ACTION:

See the Service Procedure on page 2 to:

- Release the EVSE charge connector and then inspect connector for damage or debris.

And

- Perform resistance test at the EVSE charge connector.

If the charge connector is damaged and/or does not pass the resistance test, replace the EVSE Charge Cable Assembly with unit listed in the Parts Information.

IMPORTANT: The purpose of "ACTION" (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire Service Procedure as it contains information that is essential to successfully completing the repair.

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

WARNING: Disconnect EVSE from the wall outlet and the vehicle before inspection of the charge connector.

1. If the EVSE charge connector cannot be disconnected from the vehicle's charging port start at step "a" below.

If the EVSE can be disconnected skip to step "d" on page 3.

- a. If still plugged into a power outlet (120vac wall plug), first unplug the EVSE from the power source.
- b. Remove finisher shown in Figure 1

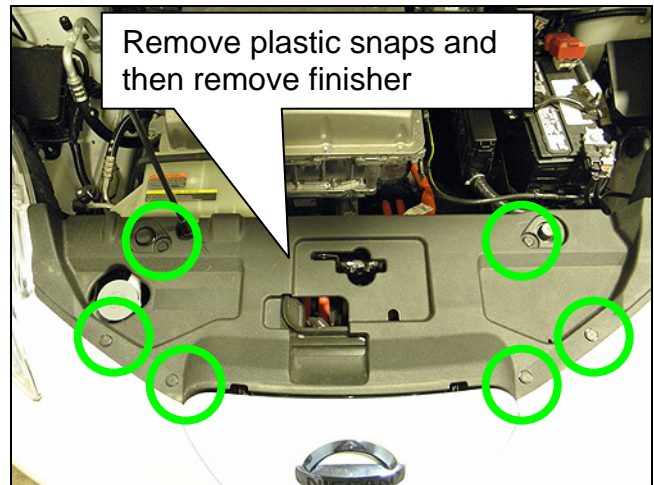


Figure 1

- c. Then disconnect the EVSE charge connector from the vehicle using a pick tool as shown in Figure 2.
 - A pick tool with a 90° bend can be used on the connector latch, (shown in Figures 2, 3, 4 and 5) lifting it straight up to release.

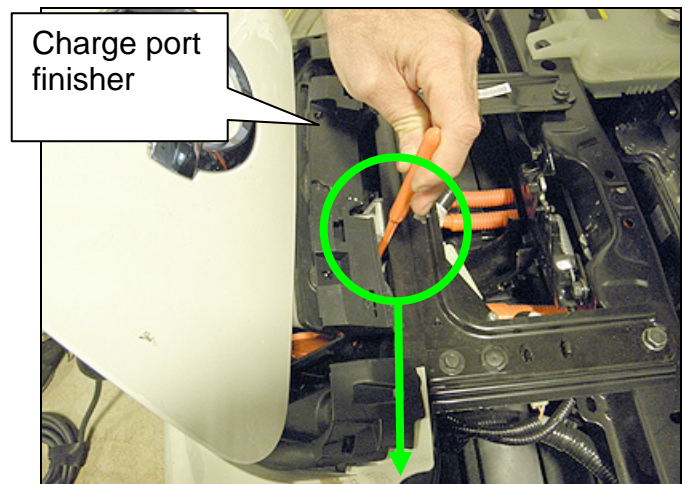


Figure 2

NOTE: Figure 3 is shown with charge port finisher removed for reference only, and does not need to be removed.

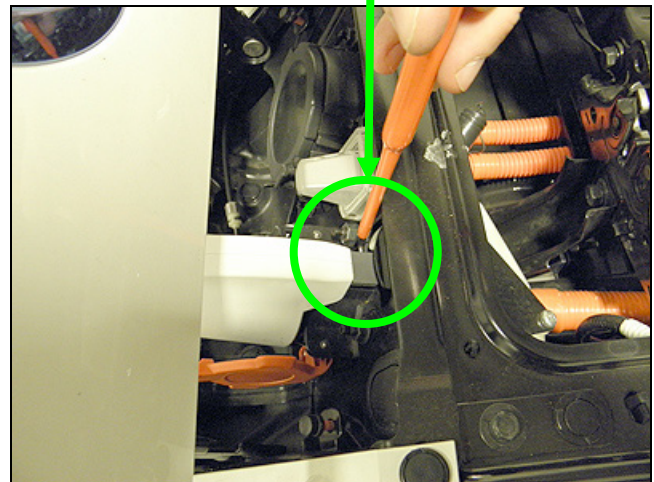


Figure 3

- d. Visually inspect the EVSE charge connector.
- Does the latch appear to be stuck in the mid position (Figure 5)?
 - Can the latch be moved up and down when depressing the release button?



Figure 4

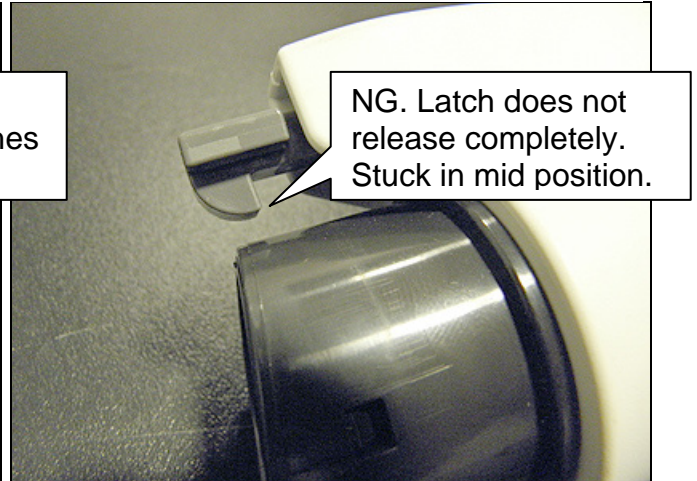


Figure 5

WARNING: Confirm that the EVSE is disconnected from the vehicle and from the 120vac source voltage **before** performing any testing.

2. After inspecting the charge connector latch for damage and with the EVSE disconnected from the 120vac power source, measure the resistance at the EVSE charge connector at the “vehicle’s side” plug contacts:
- a. Measure the resistance at the EVSE charge connector with a Multimeter between the proximity detection pin (8 O’clock) and the ground pin (6 O’clock) as shown in Figure 6.

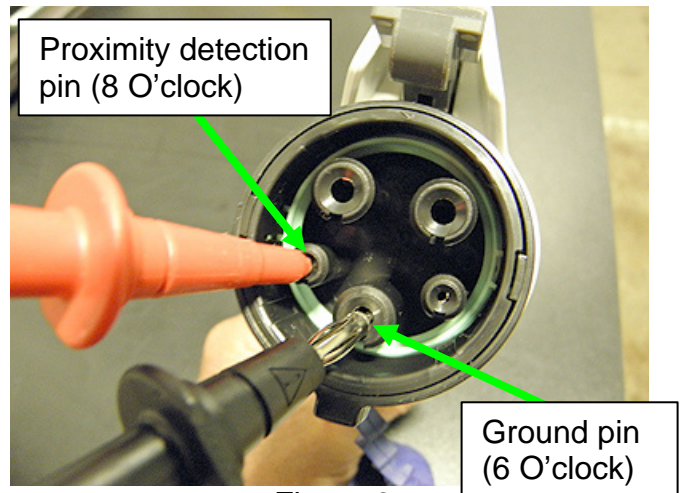


Figure 6

- With the EVSE charge connector button (Figure 7) depressed resistance should be 480 Ohms.
- Without the EVSE charge connector button depressed resistance should be 150 ohms.

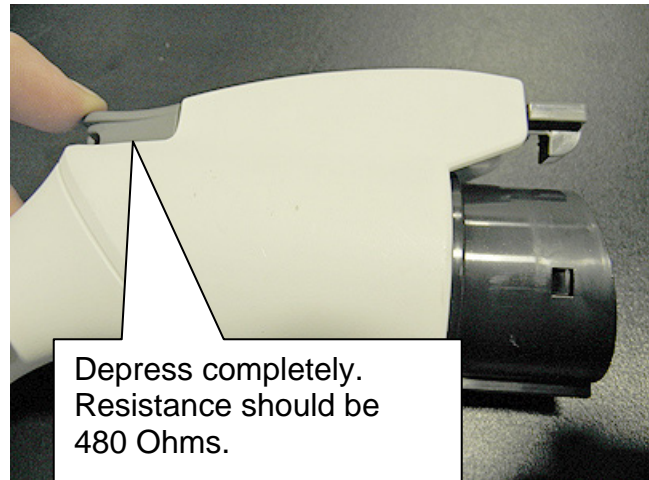


Figure 7

- b. If the measured resistance is incorrect or the latch is visually broken, replace the EVSE Charge Cable Assembly with the one listed in the parts information table.

If the EVSE charge cable can be disconnected from vehicle, but the vehicle will not charge with it:

3. If the EVSE charge cable will not allow charging, but passes the visual inspection and resistance tests, plug a known good EVSE charge cable into the vehicle and confirm if it will allow 120vac trickle charging of the vehicle.
 - If the vehicle will now charge, replace the EVSE charge cable assembly with the one listed in the parts information table.

NOTE: If the vehicle will not charge with a known good EVSE charge cable, this bulletin does not apply. Refer to the Electronic Service Manual for further diagnosis.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
EVSE Charge Cable assembly	296M1-3NF2E	1

CLAIMS INFORMATION

OPERATION	OP CODE	PNC	SYM	DIAG	FRT
EVSE Charge Cable assembly inspection	JX27AA	296M1-3NF2E	ZE	32	0.2

And, if needed

OPERATION	OP CODE	PNC	SYM	DIAG	FRT
Rpl EVSE Charge Cable assembly 2013 or Newer	JP21AA	296M1-3NF2E	ZE	32	(1)

(1) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

