



Reference:

Date:

EL19-071

Classification:

NTB20-001

January 7, 2020

2016-2017 LEAF; 40 KWH HIGH VOLTAGE SERVICE BATTERY PACK

APPLIED VEHICLES: 2016-2017 LEAF® (ZE0) APPLIED VIN: Only VINs starting with 1N4BZ0...

SERVICE INFORMATION

If the High Voltage (HV) Battery Pack needs to be replaced for any reason:

- The 40 kWh HV Battery Pack listed in the Parts Information table, on page 26, is a direct replacement for the 30 kWh HV Battery Pack and does not require any additional parts.
- The 30KWh HV battery pack is discontinued as of the publication of this bulletin. •
- For vehicles requiring HV Battery Pack replacement that are not covered by this bulletin, VINS starting with 1N4AZ0, refer to NTB14-059.

NOTE:

- Refer to the applicable Electronic Service Manual (ESM) section EVB EV **Battery System** for the procedure to replace the HV Battery Pack.
- Refer to Service Information Overview on page 2 for additional services required when replacing the HV Battery Pack.

NOTICE

DO NOT "READ & WRITE" any Li-ion Battery Controller (LBC) data to the new HV Battery Pack assembly.

Writing the old HV Battery Pack LBC data to the new HV Battery Pack assembly will cause the vehicle to read only 8 bars of capacity and will require the LBC to be replaced.

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

Refer to the ESM for HV Battery Pack replacement, and then perform the following procedures in order:

- a. Register the New HV Battery Pack Assembly (below)
- b. EV/HEV BATTERY GRADUAL CAP LOSS DATA CLEAR (page 9)
- c. **Register the HV Battery Installation Date** (page 10)
- d. Reprogram the Motor Control Unit (page 12)

Register the New HV Battery Pack Assembly

IMPORTANT: Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.

HINT: An unregistered HV Battery Pack will set P3102 (Invalid Battery).

NOTICE <u>DO NOT</u> "READ & WRITE" <u>any</u> Li-ion Battery Controller (LBC) data to the new HV Battery Pack assembly.

- Writing the old HV Battery Pack LBC data to the new HV Battery Pack assembly will cause the vehicle to read only 8 bars of capacity and will require the LBC to be replaced.
- 1. Install the HV Battery Pack registration card into the CONSULT PC.
- 2. Attach the CONSULT PC to the vehicle.
 - Connect the plus VI to the vehicle.
 - Connect the AC adapter to the CONSULT PC.
- 3. Turn ON the CONSULT PC and then open C-III plus.
- 4. Depress the vehicle's power ("ignition") switch twice <u>without</u> depressing the brake pedal.
 - The meter and gauges will illuminate.
 - Do <u>Not</u> set the vehicle in "READY to drive" mode.
 - Make sure <u>all</u> accessories are turned OFF.

- 5. After the plus VI is recognized, select **Diagnosis (All Systems)**.
 - Make sure all applications other than C-III plus are closed.

Connection	n Status		Diag	Diagnosis Menu		
1 h-12	Serial No.	Status	F	Diagnos	is (One Syst	tem)
VI 2	2300182	Normal Mode/US connection) Diagnos	is (All Syste	ms)
MI		No connection		Re/prog	ramming, Co	onfiguration
Sel Sel	ect VI/MI			🗐 Immobil	izer	
Application Sub	Setting mode	ABC Language Se	ing	Mainten	ance	
VDR	2					

Figure 1

- 6. Select LEAF and the appropriate model year or Automatic Selection(VIN).
 - If Automatic Selection (VIN) is selected, wait for the Reading VIN screen to complete (picture not shown).
- 7. Select Select.



Figure 2

- 8. Verify the VIN in VIN or Chassis # matches that of the vehicle.
 - If the correct VIN is displayed, select **Confirm**.

rify	touch "Change".		
ere	VIN or Chassis # Vehicle Name :	LEAF	
	Model Year	201x	_
		1/1	

Figure 3

9. Select Confirm.



Figure 4

10. Select EV/HEV.

• Wait for system call to complete.

Diagnosis (All Systems)	Sele	ct Vehicle	Confirm Vehicle	osis (All tems)			
All DTC	CAN Diag		CAN DIAG SUPPORT MNTR	P-DTC			
Result	_	Detailed Info	rmation			_	
EV/HEV	CRNT	EV/HEV		0	FED	отс 1	
ABS	NO DTC	. 0102			E	xpla	
METER/M&A	NO DTC						
ВСМ	NO DTC						
AIR BAG	NO DTC						Pri
EHS/PKB	NO DTC						Pri
MOTOR CONTROL	NO DTC						Sa
	-				- 10		_

Figure 5

11. Select the "right arrow" (Figure 6).

HINT: This arrow <u>will only</u> be available if the HV Battery registration card is installed in the CONSULT PC.

- The card must be installed before opening C-III plus.
- If the card is installed, but the arrow in Figure 6 is not available, reboot the CONSULT PC and restart the procedure from step 3.

elf Diagnostic	Work support	Test	ition
102 INVALID BATTERY	0	FFD DT Explan	C
			Print
			Print

Figure 6

12. Select LOAD BATT ID.

Diagnosis (All Systems) Select Vehicle Confirm Vehicle Diagnosis (All Systems) EV/HEV Data Monitor Work support Active Test ECU Identification EULOAD BATT ID P3102 INVALID BATTERY 0 FFD DTC Explanation	
Data Monitor Work support Active Test CU Identification LOAD BATT ID P3102 INVALID BATTERY 0 FFD Explanation	
P3102 INVALID BATTERY 0 FFD DTC Explanation	
Pri	nt
Sa	ve
1/1 ERA	SE

Figure 7

13. Select Next.



Figure 8

14. Select Start.

Diagnosis (All Systems) Select Vehicle Confirm Vehicle Systems) EVIHEV					
SATT ID					
attery ID loading.					Start
					Jun
Status	Waiting				
					End

15. When the status displays "Complete", select End.



16. Return to the EV/HEV Self-Diagnosis screen and then erase DTC P3102.

Proceed to "EV/HEV BATTERY GRADUAL CAP LOSS DATA CLEAR" on the next page.

EV/HEV BATTERY GRADUAL CAP LOSS DATA CLEAR

- 17. Select EV/HEV Work support.
- 18. Select BATTERY GRADUAL CAP LOSS DATA CLEAR.
- 19. Select Start.

Test flam			-	
SAVE	ATAFOR CPU REPLACE	_		
DATTERY OR	ATA AFTER REPLACE CPU	18		
117 0	ATT JD DATA CLEAR			
	IN REGISTRATION			

Figure 11

20. Select Start again.

21. When the Current status displays "Completed", select **End** and then **Home**.



Figure 12

Proceed to "Register the HV Battery Installation Date" on the next page.

22. Select Maintenance.

	Codel No	Statur	
-	Senar No.	status	Diagnosis (One System)
VI	2300182	Normal Mode/USB connection	Diagnosis (All Systems)
MI		No connection	Re/programming, Configuration
38	Select VI/MI		Immobilizer
pplicat	Sub mode	ABC Language Setting	Maintenance
0			

Figure 13

23. Select EV Battery usage report.

CONSULT-III plus Ver.51.40 Ver.CSP21.20 V	IN:- Vehicle : -	Country : United States
Back Home Print Screen	n Measurement Recorded Data Pierre Help ERT 12.0V VI M	K 🏴 📃 🔀
Maintenance Select Func	lion	
EV Battery usage Register/Adjust		
Operation	Explanation of Operation	8
ST ANGLE SENSOR ADJUSTMENT	After replacing the ABS actuator and electric unit (control unit) After removal and installation of steering or suspension parts.	
DECEL G SEN CALIBRATION	After replacing the ABS actuator and electric unit (control unit) After removal and installation of steering or suspension parts.	
ID REGIST	After replacing the TPMS transmitter, BCM, or rotation of wheels.	1
IDLE AIR VOL LEARN	After replacing ETC, ECM or VVEL ECU/actuator sub assy. In case idle speed or ignition timing is out of specification.	
INJ ADJ VAL REGIST	When ECM or fuel injector is replaced	
ZFC VALUE RESET	When ECM or fuel injector is replaced When ECM is reprogrammed	
DPF DATA CLEAR	When DPF is replaced	
SAVING DATA FOR REPLC CPU	When ECM is replaced and reprogrammed, perform it before replacement or reprogrammed.	
		Confirm
	1/2	

Figure 14

24. Select Next.

ack forme	Print Screen	Screen Capture	Recorded Data	0 Help	ERT	12.0V VI	×	-		×
Maintenance	Sele	ct Function								
Learning/ Register/Adjust	EV Batte report	ery usage								
h "Next" to sta	rt EV Battery u	sage report.								
								ſ		
									Next	
			- :	45						

Figure 15

25. Input the correct "Battery registration date" (see Figure 16).

26. Select Register.

HINT: If a print-out of the battery health maintenance report is needed:

- The prior calendar year must first be entered before the report is printed.
- After the report is printed, the current calendar year must be re-entered.

	Harv us and				
Register/Adjust report	l souge				
et. Set the vehicle in-service ondition tration date, touch "Registe if the battery has been rep next. : To obtain accurate usage re generating this report.	diagnosis result, battery sh	to READY). After selecting ate is input, it will automat int date as the battery regi would be in-service a minim	the battery tically appear the stration date and sum of 1 month	e next i	
Battery registration date	XXXXXX 🔻	XXXXXX		-	
Battery registration date	XXXXXX V	XXXXXX			

Figure 16

- 27. When "Registration is completed successfully" is displayed, select OK.
- 28. Select Next.
- 29. Select Home.



Figure 17

Reprogram the MOTOR CONTROL UNIT (MCU)

- Most instructions for reprogramming with C-III plus are displayed on the CONSULT PC screen.
- Check to see if the timer for either charging or climate control is ON. If ON, turn them OFF and make sure to turn them back ON after reprogramming.

NOTICE

- Connect a battery maintainer or smart charger to the vehicle battery, set to "power supply" mode.
 If the vehicle battery voltage drops below <u>12.0V or rises above 13.5V</u> during reprogramming, the MCU may be damaged.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, <u>the MCU may be damaged</u>.
- Be sure to connect the AC Adapter.
 If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and <u>the MCU may be damaged</u>.
- Turn OFF all external Bluetooth[®] devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth[®] signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and <u>the MCU may be damaged</u>.

- 30. Open the hood, and then connect a battery maintainer or smart charger to the 12V battery.
 - Set to Power Supply Mode.
 - > Battery voltage must stay between 12 volts and 13.5 volts.
 - Do not charge the High Voltage (HV) Lithium Ion battery during reprogramming.



Figure 13

31. Select **Re/programming, Configuration**.

	Serial No.	Status	Diagnosis (One System)
VI	2311818	Normal Mode/Wireless connection	Diagnosis (All Systems)
мі	•	No connection	Re/programming, Configuration
3	Select VI/MI		Immobilizer
oplicat	ion Setting	ARC Language Setting	Maintenance

Figure 18

32. Read the Instructions and then click on the "Confirmed instructions" check box.

33. Select Next.

perating suggestions for reprogramming, programming and C/U configration: lease review the all of precautions, and click the "Confirm" check box after confirming the its points. And uch "Next". aution: Follow the operation guide displayed on screen. "Back" and "Home" button may not be used on this flow. or reprogramming and programming Install the latest version of the CONSULT-III plus sortware, reprogramming/programming data to this ONSULT-III plus PC. Preparation and read the service manual or reprogramming procedure sheet. or ECU Configuration the vehicle's spec and its configuration spec, following the service manual. If writing the wrong onfiguration data, ECU can not work. Please write the right data. Operate the saving completely. Do not abort without saving data.	ecaution			
aution: "Back" and "Home" button may not be used on this flow. or reprogramming and programming Install the latest version of the CONSULT-III plus sortware, reprogramming/programming data to this ONSULT-III plus PC. Preparation and read the service manual or reprogramming procedure sheet. or ECU Configuration Need to write the configuration data to new ECU, after replace it. If writing the wrong configuration data, ECU can not work. Please write the right data. or ECU Configuration using manual mode Confirm the vehicle's spec and its configuration spec, following the service manual. If writing the wrong nfiguration data, ECU can not work. Please write the right data. Operate the saving completely. Do not abort without saving data.	perating suggestions for repr lease review the all of precautions of the second state	gramming, programming and C/ ins, and click the "Confirm" check	U configration: k box after confirming the its	points. And
NAV	Caution: . Follow the operation guide di . "Back" and "Home" button n For reprogramming and progra . Install the latest version of the CONSULT-III plus PC. . Preparation and read the sen	iplayed on screen. ay not be used on this flow. mming CONSULT-III plus sortware, repro ice manual or reprogramming pr	ogramming/programming data rocedure sheet.	t to this

34. Confirm that the VIN is correct and then select **Confirm**.

cle Selection Vehicle Confirmation	
uch "Confirm". In case you want to select another vehicle,	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
LEAF	
2016MY or 2017M.	
1/1	
	Change
	Change
	cle Selection Vehicle Confirmation nuch "Confirm". In case you want to select another vehicle, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

35. Select MOTOR CONTROL.

		operation selection 5
stem Selection		
ouch "system". case ECU you want to operate is not list	ed below, the vehicle or model year migh	t be selected wrong.
case 200 you want to operate is not as	a below, are venicle of model year migh	i be selected mong.
		~
MULTI AV	EHS/PKB	AIR PRESSURE MONITOR
3ch CAN GATEWAY	MOTOR CONTROL	AMP LEVELIZER
6ch CAN GATEWAY	EPS/DAST 3	METER/M&A
6ch CAN GATEWAY	EPS/DAST 3	METER/M&A
6ch CAN GATEWAY	EPS/DAST 3 ABS	METER/M&A
6ch CAN GATEWAY HV BATTERY 2	EPS/DAST 3 ABS	METER/M&A LASER/RADAR

Figure 21

36. Select Reprogramming.

Operation Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an o	"Reprogramming". operation in REPLACE ECU category.	
REPROGRAMMING		
	in case you want to reprogramming Eco	waan nebrogramming .
Reprogramming		
Reprogramming Replacement OF ECU Programming (Blank ECU)		
Reprogramming Replacement OF ECU Programming (Blank ECU) Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.
Reprogramming Replacement OF ECU Programming (Blank ECU) Before ECU Replacement VEHICLE CONFIGURATION	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.

Figure 22

37. When you get to the screen shown in Figure 23, find the **MOTOR CONTROL Part Number** and write it on the repair order.

HINT: This is the <u>current</u> MOTOR CONTROL Part Number (P/N).

- If the current MOTOR CONTROL Part Number is 291A0-3NF0E, proceed to step 52.
- If the current MOTOR CONTROL Part Number <u>is not</u> 291A0-3NF0E, continue to step 38.

-		2/1
we ECU Data		-
Operation log helps to restart rest ope after operation has completely finished	extion by selecting suitable operation log. Operation log is erased	-
File Label	AZE0-200171	1
Operation	REPROGRAMMING	
Sa di Secolo		
Tystem	MOTOR CONTROL	
System Part Number	MOTOR CONTROL 291.40-3NF08	
System Part Number rehicle	MOTOR CONTROL 201A0-3NF08 ZEQLEAF	
System Part Number Vehicle	MOTOR CONTROL 291.40-3NF08 ZE0LEAF AZE0-200171	

Figure 23

38. Select Save.

39. Select Next.

mail in the		m
re ECU Data		
paration log helps to restart next o ter operation has completely finishe	peration by selecting suitable operation log. Operation log is erased	
e Lapei	*****	
peration	REPROGRAMMING	
ystem	MOTOR CONTROL	
ystem art Number	MOTOR CONTROL 291A0-XXXXX	
ystem art Number shicle	MOTOR CONTROL 291A0-XXXXX ZEOLEAF	_
ystem art Number Phicle N	MOTOR CONTROL 291A0-XXXXX ZEDLEAF XXXXXXXXXXXXXXXXXXXX	

Figure 24

- 40. Use the arrows (if needed) to view and read all precautions, and then click on the "**Confirmed instructions**" check box.
- 41. Select Next.



Figure 25

HINT:

- In some cases, more than one new P/N for reprogramming is available.
 - If more than one P/N is available, the screen in Figure 26 will display. Select and use the reprogramming option that <u>does not</u> have the message "Caution! Use ONLY with NTBXX-XXX".
 - If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle.

UNSULT-III plus Ver.V14.	21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
k Harne Print S	Areen Screen Memoretant Recorded Data	Image: Weight Height Image: Weight Height Hei	
Re/programming, Configuration	Presaution Select I	Program Data Confirm Vehicle Condition	
Program Data			
se no reproglprogramm oglprogramming data in System	ning data is listed below, confirm the vehic CONSULT.	le selection, VIN and	
Current Part Number	Part Number After Repro/programmin	g Other Information	
XXXXX-XXXXX	XXXXX-XXXXX	*****	1
the second streams			
XXXXX-XXXXX	*****	*****	
XXXXX-XXXXX	*****	****	

Figure 26

- 42. Read the **Current Part Number** and **Part Number After Reprogramming**. They should be different.
- 43. Select Next.

CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle : LEAF ZEO	Country : U.S.A.
Back Bark Print Screen Capture M	Hede Recorded Belp 11.0V VI	X 🗖 📃 🔀
Re/programming, Configuration	dion Select Program Data Confirm Vehicle Condition	9/11
ect Program Data		
Confirm the detail listed below, and touch "Next In case the screen to select reprog/programming ehicle. In case the part number after reprogramming is selection, VIN and reprog/programming data in Co	"" if OK. g data is NOT displayed, only one data is available for t wrong, touch "Re-select", and confirm the vehicle ONSULT.	his
art Number After Reprolprogramming	291A0-3NF0E	
Current Part Number	291A0-XXXXX	
/ehicle	ZEO LEAF	14
/IN	*****	
System	MOTOR CONTROL	
Other Information	ZEO with ASCD VCM	Re-select
Expected time to finish re/programming	10min	
		Next

Figure 27

44. Confirm the battery voltage is correct, and then select **Next**.

• Battery voltage must stay within specified range to make the indicator turn green.



Figure 28

45. When the battery voltage is OK (in the green), select Start.

- The reprogramming process begins when **Start** has been selected.
- For the reprogramming to continue, the vehicle's 12V battery voltage must stay between 12 volts and 13.5 volts. Make sure the voltage level is sufficient.

m the vehicle condition as i confirm that judgment for all range, reprogramming or pro	isted below, set items indicate O gramming may s	the vehicle cor K, and touch "S top.	idition correctly. Start''. In case the veh	nicle cont VOI	nitor 12V battery tage here
Mondor Basi	Yake	Una	Judgment	Condition	5
BATTERY VOLTAGE	12.8	v	ак	1 mar 1 mar	
CHG CONNECT DETECT	DISCNCT	-	.ok		

Figure 29

46. Wait for both bar graphs to complete.



Figure 30

47. When the screen in Figure 31 displays, reprogramming is complete.

- a. Select **Next**, and then wait for System Call to complete.
- b. Proceed to step 48 on page 22.

Re/programming. Conf	firm Result
Configuration	12/12
Result	
ramming or programming is completed.	
lext to continue operation.	
M	0 0
M	0 0
	م م
	م م
	0 0
	0 0
	Nevt
	0 Next

Figure 31

HINT: If the reprogram will not complete, refer to the next page for "recovery" information.

HINT: If reprogramming does <u>not</u> complete and the **!?** displays as shown in Figure 32:

- Check battery voltage (12.0 13.5V).
- Ignition is ON, Ready Mode is OFF.
- External Bluetooth[®] devices are OFF.
- All electrical loads are OFF.
- Select <u>Retry</u> and follow the on screen instructions.
- <u>Retry may not go through on</u> <u>the first attempt and can be</u> <u>selected more than once</u>.

T-III plus. Ver.V14.21:00	VIN:	Vahicle : LEAF ZEO 2011	Country : U.S.A.
Burne Print Screen	inteen Massistemant Beta	ed Retp 12.4V VI	X = 📃 🔀
Configuration	TransfortEns	Confirm Result	9/9
onfirm Result			
Reprogramming or programming is ne operation on this ECU. Touch "Retry" to retry reprogramming	ot completed properly, but y I or programming.	you can retry reprog/programming	_ <mark>R</mark>)
Part number after Reprog/programming		XXXXX-XXXXX	
Current Part Number	-	XXXXX-XXXXX	
/ehicle		ZEOLEAF	
VIN	XXX	****	
VIN System	XXX M	IOTOR CONTROL	
VIN System Date	M	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Retry
VIN System Date Other Information	M	00000000000000000000000000000000000000	Retry

Figure 32

OR: If reprogramming does <u>not</u> complete and the **X** displays as shown in Figure 33:

Do not disconnect plus VI or shut down Consult III plus if reprogramming does not complete.

- Check battery voltage (12.0 13.5V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, Ready Mode is OFF.
- Transmission in Park.
- All C-III plus / plus VI cables are securely connected.
- All C-III plus updates are installed.
- Select <u>Home</u>, and then restart the reprogram procedure from the beginning.

	VIN:-	Vehicle : -	Country: U.S.A.
Home Print Screen	Screen Capture	wided Hetp 12.3	🖉 💥 🗭 🔜 🔀
Configuration	Transfer Ozta	Confirm Result	2/2
onfirm Result			
Reprogramming of programming in reuse anymore. Touch "Home" to back to Home Sc	s not completed properly. Et	uu nas been proken, and impo rice Manual:	
Part number after		XXXXX-XXXXX	
nehi o Albi o Al annun g			
Current Part Number		XXXXX-XXXXX	
Current Part Number Vehicle		XXXXX-XXXXX ZEOLEAF	
Current Part Number Vehicle		XXXXX-XXXXX ZEOLEAF XXXXXXXXXXXXXXXXXXXXX	
Current Part Number Vehicle VIN System		XXXXX-XXXXX ZEOLEAF XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Vehicle Vin System Date		XXXXX-XXXXX ZEOLEAF XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Current Part Number Vehicle ViN System Date Other Information		XXXXX-XXXXX ZEOLEAF XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	

Figure 33

48. Erase all DTCs as follows:

- a. Turn the "ignition" off by depressing the power switch once.
 - The screen in Figure 34 will read **OFF** after pressing the power switch <u>once</u>.

Back Home Print Screen	Screen Capture	Recorded Bata	12.6V VI MI	🔀
Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	13/14
Erase All DTCs		-		
According to the instruction below, e	rase All DTCs.			
-				-
Turn the ignition switch to the OFF	position.		OCK .	OCK
Turn ignition switch OFF	position			
			Luvis	TRAF
Constant starture of Lon Miner	(to	OFF
switch	ON		F	
			-	
	Ei/	NURO 24		

Figure 34

- b. Wait 1 minute with the ignition OFF.
- c. Turn the "ignition" ON by depressing the power switch twice (not Ready mode).
 - Do not step on the brake pedal when depressing the power switch.
 - The screen in Figure 35 will read **ON** after pressing the power switch twice.

HINT: Do not be confused by any screen messages. At this point, simply turn the "ignition" ON.

💽 coi	SULT-III plus Ve	r.V14.11.00	VIN:			Vehicle : LE	AF ZEO		Country : l	J.S.A.
i Bieck	Home	Print Screen	Screen Capture	Messatement. Mode	Recorded Data	() Help	12.6V	VI MI	-	
50	Re/programming, Configuration		Confi	irm Result	Erasi	All DTCs	Print F Operation	Complete		13/14
Erase A	II DTCs		-					-	-	
Tu	rn the ignition sw Current status switct	itch to the OF of Ignition	F position.	OFF	_∢	OF to (F DN	ON))((OFF

Figure 35

d. Wait for the **ERASE** function to complete.

CONSULT-III plus Ver.V14.1	1.00 VIN:JN1AZ0C	Vehicle : LEAF ZEO	Country ; U.S.A.
Back Home Print Scr	ren Seren Meinsrettent Rec	orded Help 12.4V V	/* 🔺 🏴 👝 🔀
Configuration	Confirm Result	Erase All DTCs Print Re Operation C	complete
Erase All DTCs			
According to the instruction 1 Turn ignition switch to the	System Call		
Current status of ign switch		Cancel	94'

Figure 36

- 49. Verify that the **Part number after Reprog/programming** has changed to 291A0-3NF0E.
- 50. Print a copy of this screen (Figure 37) and attach it to the repair order.
- 51. Select Confirm.

CONSULT-III plus Ver.V14.11.00	VIN: Vehicle :	LEAF ZEO	Country ; U.S.A.
Home Print Screen Car	een Mussacreef Recorded Data	12.9V VI MI	
Re/pregramming, Configuration	Erass All DTCs Print Result / Operation Complete		14/14
Result / Operation Complete			
rease consoler, carried Timmediately imporally storage of this page. Touch ata Folder" on desk top, and open the	y access to LAN or printer, Screen Captur "Screen Capture", and save it. Screen cap folder named "ScreenImages".	e function is available for oture data is in "CIII plus	
rt number after prog/programming	291A0-3N	FOE	
irt number before sprog/programming	XXXXX-XXX	xxx	
hicle	ZEO LEAF		
N.	*****	XXXXXX	
/stem	MOTOR CONT	ROL	Print
late	XXXXXXXX	xxx	

Figure 37

52. Select Home.

CONSULT-III plus Ver.V	14,11.00	VIN:		Vehicle : L	EAF ZE0 2011	Cou	intry : U.S.A.
Dack Home Prin	nt Screen	Screen Capture Monas	Recorded	() Help	12.5V VI	× =	
Re/programming, Configuration		Erase All DT	Or Oper	Print Result / ration Complete			14/14
Result / Operation Cor	nplete					-24	
II tasks are completed. I case CONSULT can Ni Imporally storage of this ata Folder" on desk top,	Confirmation	"Complete Op backing Home necessary doo	eration" Screen : once. In case " cument, touch "(is no longer sh Complete Opera Cancel" to back	own after tion" Screen is previous screen.	for	
art number after eprog/programming							î la
art number before aprog/programming				â			
hicle							
J		Home	<u>~</u>	Can	cel		
/stem	-				_		Print
ate			1	1/11/2012 2:04:1	3 PM		
					1/1	_	Confirm

Figure 38

53. Close C-III plus by selecting "X" (see Figure 38).

Reset Customer Settings

- 54. Reset the clock in the combination meter.
- 55. Reset the radio settings.
- 56. **If equipped**, check/reset the clock in the navigation system.
- 57. **If equipped**, reset the customer preferred settings for the Automatic Air Conditioning System.
 - If needed, refer to System Settings in the HAC section of the ESM.
- 58. If equipped, turn the Charge and A/C timers back ON if they were turned OFF.

59. Inform the customer:

• If equipped, some memory settings in the navigation system may need to be reset.

60. Reinitialize and check the Anti-Pinch Function for all Auto-UP power windows:

Reinitialize

- a. Turn the ignition ON.
- b. Operate the power window switch to fully open the window (glass all the way down).
- c. Hold the window switch UP until the glass stops at the fully closed position, and then continue holding the switch UP for 2 seconds or more.
- d. Check that AUTO-UP function operates normally.

Check Anti-Pinch Function

- a. Fully open the door window (glass all the way down).
- b. Hold a piece of wood near the fully closed position.
- c. Close the door window glass using the AUTO-UP switch. Allow the window glass to hit the wood.
- d. Check the following conditions:
 - Check that the glass lowers for approximately 150 mm (5.9 in), without pinching the wood, and stops.
 - Check that the glass does not rise when operating the power window main switch, while the window is lowering after hitting the wood.

PARTS INFORMATION

MODEL	DESCRIPTION	PART#	QUANTITY
2016-2017 LEAF (All) 4th, 5th and 6th characters of VIN are digits BZ0. Example: 1N4 BZ0	HIGH VOLTAGE BATTERY PACK (40 kWh)	295B0-4NP6B	1

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
40 kWh BATTERY PACK ASSY RP & REPROGRAMMING	(1)	JX62AA	HC	32	2.7

 Reference the parts information table and use the High Voltage Battery Part Number as the Primary Failed Part (PFP).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
January 7, 2020	NTB20-001	Original bulletin published