Technical Bulletin



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SERVICE CAMPAIGN BULLETIN

Reference:

NTB13-061

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Date:

VOLUNTARY SERVICE CAMPAIGN 2011-2012 LEAF; LI-ION BATTERY CONTROLLER AND ON-BOARD CHARGER REPROGRAM

CAMPAIGN I.D. #: P3227

APPLIED VEHICLE: 2011-2012 LEAF[®] (ZE0)

Check Service Comm to confirm campaign eligibility.

INTRODUCTION

This voluntary service campaign provides complimentary update of certain vehicle software in MY11-12 LEAFs to match current MY13 production specifications. The reprogramming of the Lithium Ion Battery controller is intended to improve the accuracy of the Battery Capacity Level Gauge. The reprogramming of the On-Board Charger is intended to expand the number of compatible chargers.

IDENTIFICATION NUMBER

Nissan has assigned identification number P3227 to this campaign. This number must appear on all communications 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.

IMPORTANT: Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a High Voltage (HV) System or Supplemental Restraint System (SRS), such as an airbag.

REPAIR OVERVIEW



SERVICE PROCEDURE

Reprogram the CHARGER/PD MODULE (On-Board Charger) and the HV BATTERY (Lithium Ion Battery Controller)

- 1. Before continuing, it is IMPORTANT to make sure:
 - ASIST on the CONSULT PC has been freshly synchronized (updated).
 - All CONSULT related software updates (if any) have been installed.

NOTE: The CONSULT PC automatically gets all reprogramming software during ASIST synchronization.

CAUTION:

- Turn off all cell phones and external Bluetooth devices within range of C-III plus.
- Do not touch C-III plus during reprogramming.
- Do not disconnect the AC adaptor during reprogramming.
- Do not disconnect the "plus" VIs diagnostic cables during reprogramming.
- Do not touch the power ("ignition") switch during reprogramming.
- Do not touch any electrical switch during reprogramming.
- 2. Have the **GR8 Multitasking Battery Diagnostic Station** (battery tester/charger) available and ready to use.
 - For proper setup, go to Page 38, GR8 Multitasking Battery Diagnostic Station.
 - <u>Do not connect</u> the battery tester/charger at this time. The battery tester/charger will be set up later in this bulletin.

CAUTION: Battery voltage <u>must stay</u> between 12 volts and 15.5 volts during each reprogramming or module recovery may not be available.

CAUTION: Do not charge the High Voltage (HV) Lithium Ion battery during reprogramming and disconnect Electric Vehicle Service Equipment (EVSE).

NOTES:

- Check to see if the timer for either charging or climate control is on. If on, turn it off and make sure to turn it back on after reprogramming.
- 3. Once all ASIST and CONSULT related updates have been performed, attach the CONSULT PC to vehicle.
 - Connect the plus VI to the vehicle and then to the Consult PC with the USB cable.
 - Connect the AC adapter to the CONSULT PC.
- 4. Turn on the CONSULT PC, and then open C-III plus.

- 5. Depress the vehicle's power ("ignition") switch twice <u>without</u> depressing the brake pedal.
 - The meter and gauges will illuminate.

CAUTION: Do <u>Not</u> set the vehicle in "READY to drive" mode.

NOTE: Make sure <u>all</u> accessories are turned off.

- 6. After the plus VI is recognized, select **Diagnosis (All Systems)** and then **Confirm**.
 - After system call has completed erase all DTCs.
- 7. Select the **Home** button and then **YES** to return to the screen shown in Figure 1, and then select **Re/programming, Configuration.**

NOTE: Make sure all applications other than ASIST and C-III plus are closed.



Figure 1

8. Check mark box for **Confirmed Instructions** (circled in green) by selecting it, and then select **Next**.

CONSULT-III plus Ver.V14.11.00 VIN:-	Vehicle : -		Country : U.S.A.
Back Rome Print Screen Screen Mode	ert. Recorded Help	13.5V VI MI	
Re/programming, Configuration	Precaution	Vehicle Selection	
ecaution			
Derating suggestions for reprogramming, program lease review the all of precautions, and click the "Co ouch "Next".	ning and C/U configration: onfirm" check box after confirm	ning the its points. And	
Caution: . Follow the operation guide displayed on screen. . "Back" and "Home" button may not be used on the For reprogramming and programming I. Install the latest version of the CONSULT-III plus so CONSULT-III plus PC. . Preparation and read the service manual or reprop	nis flow. ortware, reprogramming/progra gramming_procedure_sheet.	umming data to this	
For ECU Configuration I. Need to write the configuration data to new ECU, 2. If writing the wrong configuration data, ECU can n	after replace it. ot work. Please write the right	t data.	
For ECU Configuration using manual mode L Configuration clocks spec and its configuration configuration data, ECU can not work, Planting 2. Operate the saving completed	Step 8	al. If writing the wron	
Confirmed instructions		1/1	Next
	Figure 2		

- 9. Select LEAF and 2011 or 2012, or Automatic Selection (VIN).
 - If Automatic Selection (VIN) is selected, wait for the Reading VIN screen to complete (picture not shown).
- Vehicle 🚓 🍠 🗙 0 . 100 50 Reiprogramming Configuration Vehiste Confirmation • Vahicle Selection Prezidiat This works, Manual Selection(Vehicle Name) Automatic Selection(VIN) too Sales Dutrei Vehicle Name Madel Year "MURANO Camp (P8201 NISSAN QUEST 2012 JUKE 350Z LEAF ROGUE 2011 INFINITI 370Z MAXIMA SENTRA 3702 Convertible MURANO Step MURANO Crass Cabrialet AL TIMA 9 VERSA Hatchback ALTIMA Hybrid MISSAN GT-R ARMADA NV VERSA Sedan CLEAR CUBE PATHENDER XTERRA PATHFINDER FRONTIER X-TRAL Step Select 10 1/1 b Figure 3
- 10. Select Select.

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



Figure 4

12. Select Confirm again.

Image: None Image: None	CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Refrogramming. Configuration Vehicle Confirmation Input VIN System Selection Imput VIN Input VIN Enter the VIN number, and touch "Confirm". According to this operation, in case of specified operation that requires to save ECU information into CONSULT, VIN number you input is saved as file name. Therefore, confirm VIN number correctly. Imput VIN Imput VIN Imput VIN Imput VIN	Back Back Bome Print Screen	Screen Capture Mode Record	led Help 10.6V	🦊 💥 🖿 🔜 🔀
Input VIN Enter the VIN number, and touch "Confirm". According to this operation, in case of specified operation that requires to save ECU information into CONSULT, VIN number you input is saved as file name. Therefore, confirm VIN number correctly.	Re/programming, Configuration	Vehicle Confirmation	Input VIN System	1 Selection 4/6
Enter the VIN number, and touch "Confirm". According to this operation, in case of specified operation that requires to save ECU information into CONSULT, VIN number you input is saved as file name. Therefore, confirm VIN number correctly.	ut VIN		110	
VIN (17 or 18 digits) JN1AZ0CP XX T XXXXXX	service of the operation, in case SNSULT, VIN number you input in service service operations and the service service operation of the operation of the service service operation of the operation of the operation of the service service service operation of the operation of t	s of specified operation that re saved as file name. Therefor vocaver unit reaction vocaver unit vocaver unit reaction vocaver unit vocaver unit vocaver unit vocaver unit vocaver vocaver unit vocaver unit vocaver unit vocaver unit vocaver vocaver unit vocaver unit vocav	rquires to save ECU informatic e, confirm VIN number correct	n into ly.
	VIN (17 or 18 digits) JN1A			
Step 12			Ste 12	P Confirm

Figure 5

CHARGER/PD MODULE (On-Board Charger) update

13. Select CHARGER/PD MODULE.

• Wait for system call to complete.

CONS	ULT-III plus Ve	er.V14.11.00	VIN:			Vehicle : LE	AF ZE0 2011	3	Country : U.S.A.
e Back	Home	Print Screen	Screen Capture	Measurement. Mode	Recorded Data	() Help	10.7V VI	• × 1 MI	-
\$ 0	Re/programming Configuration		Ing	put VIN	System	Selection	Operation Se	election	6/6
stem S	election								
r case t	LOO YOU WAN	to operate i	a not nated	r below, trie v	encie or mo	ueryear migi	it be selected wi	ung.	
	MULT	IAV	ſ		EV/HEV		Ι	TRANSMI	SSION
_	MULT	I AV		_	EV/HEV AIR BAG			TRANSMI	SSION
	MULT AB IPDM	I AV S E/R			EV/HEV AIR BAG HV BATTER	Y		TRANSMI Step 13	SSION
	MULT AB IPDM METER	I AV S E/R /M&A		CHARG	EV/HEV AIR BAG HV BATTER ER/PD MC	ŕ		TRANSMI Step 13	SSION
	MULT AB IPDM METER BC	I AV S E/R /M&A		CHARG	EV/HEV AIR BAG HV BATTER ER/PD MC HVAC	r DULE		TRANSMI Step 13	SSION
	MULT AB IPDM METER BC	I AV S E/R //M&A		CHARG	EV/HEV AIR BAG HV BATTER ER/PD MO HVAC	Y DULE		TRANSMI Step 13	SSION

Figure 6

14. Select Reprogramming.

	G CONSULT-III plus Ver.V14.11.00	/IN: Vet	nicle : LEAF ZE0 2011	Country : U.S.A.
	Back Rome Print Screen Captu	en Messurement Recorded Hei	₽	-
	S	ystem Selection Operation Sel	ection	6/6
	Operation Selection			
	Touch "Operation". In case over write current ECU, touch " In case replacement of ECU, select an op	Reprogramming". eration in REPLACE ECU category.		
	REPROGRAMMING	In case you want to cance grammi	ng ECI I tough "Pantogramming	
14	Reprogramming	in case you want to reprogrammin	ng 200, touch "Reprogramming	
	Replacement OF ECU			
	Programming (Blank ECU)	9 <u>10</u>		
	Programming	In case you want to replace ECU Before replace ECU, ECU data is After replace ECU, CONSULT write	J, you should operate following ■ saved to CONSULT. tes ECU data and programming	s. data.
	VEHICLE CONFIGURATION			
	Read / Write Configuration	Manual Configuratio	In case you has already i touch "Manual Configura	replaced ECU, ation".
		C '		

Figure 7

15. Write down the **Part Number** on the vehicle's repair order (see Figure 8) and confirm if it matches one of the part numbers in Table "A" below.

MODEL YEAR	CURRENT CHARGER/PD MODULE PART NUMBER 296A0-	
2011-2012 LEAF (ZE0)	3NA0A, 3NA1A, 3NA2A, 3NA3A, 3NA4A, 3NA5A, 3NA6A, 3NA4E	

- If the CHARGER/PD MODULE part number is one of the part numbers listed in the table above, continue with reprogramming.
 - Select **Save**, and then go to Step 16.
- If the CHARGER/PD MODULE part number is not listed, proceed to the HV BATTERY module update on page 18.
 - If the CHARGER/PD MODULE part number is not in the table above, this campaign may not apply or it has already been done. Recheck Service Comm for campaign eligibility.

	CONSULT-III plus Ver.V14.11.00 V	N Vehicle	: LEAF ZE0 2011	Country : U.S.A.
	Back Horne Print Screen	Masaurernart Mode Bata	11.5V VI MI	
	Configuration	ration Selection		7/7
	Save ECU Data			
	Touch "Save" to save operation log and Operation log helps to restart next opera after operation has completely finished.	the current part number as listed bel ion by selecting suitable operation lo	ow to CONSULT. g. Operation log is erased	
	File Label	JN1AZ0CP xxT xxxxx		7
	Operation REPROGRAMMING			
	System CHARGER/PD MODULE			
Verify	Part Number 296A0			
	Vehicle	ZEOLE	AF	
	VIN	JN1AZ0CP x	KT XXXXXX	
	Date	xim If O	K, select	Save
			Save 7	
		Figure 8		

16. Read the precautions on page 1, and then select page 2 (page 2 not shown) with arrow. After reading page 2, select **Confirmed instructions**, and then select **Next**.

CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle :	LEAF ZEO 2011	Country : U.S.A.
Back Biome Print Screen Capture	Moseurement. Mode	11.6V VI MI	-
Save	ECU Data Precaution	Select Program Data	8/11
Precaution			
Operating suggestions: If the reprogramming/programming is unsuc usable. Please review the all of precautions, and clic	cessful, ECU software may be damag k the "Confirm" check box after con	ged and ECU is no longer firming the its points.	
Precautions			/ š \
<before reprogramming="" starting=""> -Work preparation</before>			
1. Install the latest version of the reprogram 2. Turn off any wireless devices such as m	ming data to this CONSULT-III plus	PC. sceivers etc.	
-PC preparation			
1. Close all other software except CONSUL	-III plus and DO NOT activate any o	ther software.	
"Properties". Select the Screen Saver is turned OFF	en select "(None)" from the Screen S	aver pull-down menu, and	
3. Operate the PC using the A/C adaptor to	keep the battery charged.		
4. DO NOT disconnect the VI diagnosis dat	Link cable during report/programm	ing.	
-Vehicle preparation	Step	is in the range of 12 0V to	
13.5V. For EV, DO NOT charger output	16 gran	is in the range of 12.07 to	
3. DO NOT tu anition switch/Powe	r switch. For EV/HEV, push por	twice without	
Confirmed instructions	witch ON". (Ready lamp in the mete	14-z	Next
	Figure 9		ノ

NOTE: In some cases, more than one new P/N for reprogramming is available.

- > In this case, the screen in Figure 10 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 may mean that there is no reprogramming available for this vehicle, this <u>campaign does not apply</u> or it has already been done. Recheck Service Comm for campaign eligibility.

CONSULT-III plus Ver./	V14.21.00 VIN:	Vehic Recorded Bata	1e : LEAF ZEO 2011	Country : U.S.A.
Re/programming, Configuration	Precaution	Select Program	Data Confirm Vel Condition	hicle 9/11
Select Program Data				
Touch and select the re In case no reprog/progra reprog/programming dat	prog/programming data listed b amming data is listed below, con a in CONSULT. CHARGER/PD MODULE	elow. firm the vehicle selec	tion, VIN and	
Current Part Number	Part Number After Rep	ro/programming	Other Information	
XXXXX-XXXXX XXXXX-XXXXX	XXXXX-XXX XXXXX-XXX	XX	******	
			010	Next

Figure 10

17. Verify the **Current Part Number** matches the Part Number written down in step 15, and then select **Next**.

CONSULT-III plus Ver.V14.11.00 VII	N: Vehicle : LEAF ZE0 20	11 Country : U.S.A.
Back Bone Print Screen Capture	Moneuxernerit Mode	D 🚚 💥 🖿 🥅 🔀
Configuration	Precaution Select Program Data Cor	firm Vehicle Condition 9/11
Select Program Data		
 In case the screen to select reprog/progr vehicle. In case the part number after reprogramm selection, VIN and reprog/programming da 	amming data is NOT displayed, only one data is av ning is wrong, touch "Re-select", and confirm the v ta in CONSULT.	eliable for this ehicle
Part Number After Repro/programming	296A0	
Vehicle	ZEO LEAF	
VIN	JN1AZ0CP XX T XXXXXX	
System	CHARGER/PD MODULE	
Other Information	ZE0 with ASCD VCM	Re-select
other information		

Figure 11

- 18. If the screen in Figure 12 appears, first select **Delete** then **Confirm**, and then **Other Operation**.
 - This will erase the **Saved Data List** and restart the reprogram from step 13.
 - If no **Saved Data List** is stored Figure 14 will be displayed. Proceed to step 19.

G CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Rack Rome Print Screen	Sereen Capture	rided ta	× = _ X
Configuration	Vehicle Confirmation	Operation Log Selection	
Operation Log Selection			
CUNSULT has the saved data re In case you want to write the save data list (left side), and confirm th want to do other operation, touch	ated relprogramming and co data from CONSULT to vehic e detail (right side). If the deta "Other Operation".	nnguration. : Je ECU, touch and select the data in Si il is OK, and touch "Confirm". In case	ave you
Saved Data List	Saved Data Detail		
JN1AZ0CP _X BT _{XXXXXX}	Operation	REPROGRAMMING	
	System	CHARGER/PD MODULE	:
	Part Number	296A0	
	Vehicle	Step	Delete
	VIN	JN1AZ(18	Other
	Saved Date	1/26/2012 8:37:38 AM	Operation
1/1	[1/1	Confirm

Figure 12

- 19. Open the hood, and then set up the GR8 Multitasking Battery Diagnostic Station (battery tester/charger) for the 12V battery.
 - For battery charger/tester setup, refer to Page 38, **GR8 Multitasking Battery Diagnostic Station Setup**.

CAUTION: Battery voltage must stay between 12 volts and 15.5 volts.

CAUTION: Do not charge the High Voltage (HV) Lithium Ion battery during reprogramming.



Figure 13

20. Confirm battery voltage is correct, and then select Next.

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

CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle : LEAF 75	Country : U.S.A.
Back Print Screen Capture	Measurement Mode Recorded Data	12.6V VI MI
Re/programming, Configuration	aution Select Program Data	Con shicle 10/11
Confirm Vehicle Condition		
Operate according to the following procedures.		Monitor 12V battery voltage here
Remove the terminal caps of battery, and conr	lect battery charger to battery.	
Adjust the battery charger output so that the v	ehicle battery voltage is between 12.0V and	Karlon Color
13.5V. The vehicle battery voltage is shown or	the top-right of this screen	be
	"Green" I	before
3 Confirm the RESULT is OK, touch "Next".	selecting	Next
Result		Next

Figure 14

- 21. With battery voltage in the green, select Start.
 - The reprogramming process begins when **Start** has been selected.

NOTE: For reprogramming to continue, vehicle 12V battery voltage must stay within 12 volts and 15.5 volts. Make sure the voltage level is sufficient.

CONSULT-III plus Ver.25.21	VIN:JN1AZ0C	P9BT009254	Vehicle : LEAF	750 9044	Country : U.S.A.
Back Rome Print Screen	Sereen Capture Measu	ement de Recorded Data	C Help	12.7V VI MI	
Configuration	Select Program	Data Con	firm Vehicle Condition	Transfer	10/11
Confirm Vehicle Condition Confirm the vehicle condition as Then, confirm that judgment for al out of range, reprogramming or pre	listed below, set I items indicate O ogramming may s	the vehicle cond K, and touch "St top.	ition correctly. art". In case the ve	shicle condition is	Monitor 12V battery voltage here
Monitor Bem	Value	Unt	Judgment	Condition	
BATTERY VOLTAGE	12.8	v	ок		
Q/CHG CONNECT DETECT	DISCNCT		ок		
				Step 21	Start

Figure 15

22. Wait for both bar graphs to complete.

CONSULT-III plus Ver.V	14.11.00 VIN:	Vehicle : LEA	F ZE0 2011	Country : U.S.A.
Home Pri	nt Screen Screen Measurement Mode	Recorded Data	ລ 🍠 🗙	
Configuration	Confirm Vehicle Condition	Transfer Data		11/11
Transfer Data				
other vehicles by using o screen, and touch "VI/MI "Reprogramming/Program	ther VI. In case you want to use selection" to select other VI. In c nming" on Home screen.	CONSULT-III plus with othe ase you want to back to thi	r VI, touch "Home" to s screen, select this	o back to Home VI, and touch
Estimated Time	10min			
Transfer CONSULT to VI				100%
Transfer VI to ECU				40%
V		••••••••••••••••••••••••••••••••••••••	.0	9

Figure 16

23. When the screen in Figure 17 appears, reprogramming is complete.

- a. Select **Next**, and then wait for System Call to complete.
- b. Proceed to step 24 on page 15 to erase DTCs.

CONSULT-III plus	Ver.V14.11.00	VIN:		Vehicle : LEA	F ZE0 2011	Coun	try : U.S.A.
Back Home	Print Screen	Screen Capture	Recorded Data	() Help	🧰 💭 12.8V VI	м 🍽	
Configurat	ning.	Transfer Da	a Con	firm Result			12/12
Confirm Result							
			•	00			
					Step 23a		Next

Figure 17

NOTE: If the reprogram will not complete, see the next page (page 14) to **RETRY** the reprogram update.

CHARGER/PD MODULE (On-Board Charger) recovery

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

- Check battery voltage (12.0 15.5V).
- 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 first</u> <u>attempt and can be selected more</u> <u>than once</u>.

CONSULT-III plus Ver.V14.21.00 VIN:		Vehicle : LEAF ZE0 2011	Country : U.S.A.		
Back Rome Print Screen	een ture Mode Recorded	s O Nelp 12.4V VI	' 📉 🖿 📃 🔀		
Configuration	Transfer Data	onfirm Result	9/9		
onfirm Result					
reprogramming or programming is not operation on this ECU. Touch "Retry" to retry reprogramming o	: completea property, but yo pr programming.	ou can retry reprogramming	R		
Part number after Reprog/programming	2	96A0 -			
Current Part Number	2	296A0			
Vehicle		ZEOLEAF			
VIN	U	IN1AZ0CP _X BTxxxxx			
System	CHA	ARGER/PD MODULE			
Date	1	1/26/20 xx 4:34:55 PM	Retry		
Other Information		6.26=>6.27			
		RNDS_CAN_ALL_SC003-5=NR			

Figure A

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

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

- Check battery voltage (12.0 15.5V).
- 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.
te filme Print Screen	Screen Capture Mode Recorded Data	Relp 12.3V	📲 🛁 🔀
Softguration	Transfer Data	nfirm Result	2/2
onfirm Result			
Reprogramming or programming is n reuse anymore. Touch "Home" to back to Home Scre	en, replace ECU with Service M	is been broken, and impossi anual.	
Part number after Reprog/programming		296A0 -	
Current Part Number	296A0		
Vehicle		ZEOLEAF	
Vehicle VIN	JN	ZEOLEAF	
Vehicle VIN System	JN	ZEOLEAF I1AZOCPxBTxxxxxx RGER/PD MODULE	
Vehicle VIN System Date	III JIII CHAI	ZEOLEAF MAZOCPXBTXXXXXX RGER/PD MODULE 26/20XX 4:29:18 PM	
Vehicle VIN System Date Other Information	JN CHAI	ZEOLEAF 11A20CPxBTxxxxxx RGER/PD MODULE 26/20xx 4:29:18 PM 6:26=>6:27	

Figure B

- 24. Erase all DTCs:
 - a. Turn "ignition" off by depressing the power switch once.
 - The screen in Figure 18 will read **OFF** after pressing the power switch <u>once</u>.

CONSULT-III plus	/er.V14.11.00	VIN:		Vehicle : LEAF Z	E0 2011	Country : U.S.A.
Back Home	Print Screen	Screen Capture	Recorded Data	() Help	(12.6V VI M	· • 📃 🔀
Re/programmir Configuration		Confirm Result	Erase A		Print Result / Operation Complete	e 13/14
Erase All DTCs						
According to the inst	ruction below, er	ase All DTCs.				
1 Turn ignition s	witch OFF pos	ition				OFF
Current statu swit	s of ignition ch	ON		ON to OFF		
		Fi	igure 1	8		

- b. Wait 1 minute with the ignition OFF.
- c. Turn "ignition" on by depressing the power switch twice.
 - Do not step on the brake pedal when depressing the power switch.
 - The screen in Figure 19 will read **ON** after pressing the power switch twice.

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

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZEO	2011 Country : U.S.A.
Back Bark Print Screen	Screen Capture	Recorded Help	
Configuration	Confirm Result	Erase All DTCs	Print Result / beration Complete
Erase All DTCs			
According to the instruction below	erase All DTCs.	OFF to ON	

Figure 19

d. Wait for the bar graph in the **ERASE** window to complete 100%.

CON	ISULT-III plu	us Ver.V14.11.	00 VIN:s	N1AZ0C		Vehicle : LEA	F ZE0 2011		Country : U.S.A.
æ Back	Home	Print Scree	en Sereen Capture	Measurement Mode	Recorded Data	() Help	12.4V VI	м X	-
50	Re/program Configur	nming, ation	Con	firm Result	Erase	All DTCs	Print Res Operation C	sult / omplete	13/14
Erase Al	DTCs								
Accord 1 Tu	ling to the i	instruction switch to the	ERASE						
	Step 24d	witch			Cance	·		94%	

Figure 20

- 25. Verify the part number has changed.
 - a. Print a copy by selecting **Print**.

NOTE: Before and after part numbers on your print-out may be switched compared to your CONSULT PC screen. This is ok.

- b. Attach the copy to the repair order.
- c. Once a copy has been printed, select **Confirm**.

Image: Screen	GONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF	ZE0 2011	Country :	U.S.A.
Reiprogramming. Configuration Erase All DTCs Print Result / Operation Complete Print Result / Operation Complete All tasks are completed. Confirm LAN access, touch "Print" to print out this page. Intrase doiNotChrown OT immediately access to LAN or printer, Screen Capture function is available for temporally storage of this page. Touch "Screen Capture", and save it. Screen capture data is in "Cill plus Data Folder" on desk top, and open the folder named "ScreenImages". Part number after Reprog/programming Step 25 296A0 Vehicle ZE0 LEAF Vin JN1AZ0CP xxT xxxxxx System CHARGER/PD MODI Date 3649220132 3548 3005 Step 25 25 CharGER/PD MODI Step 25 Confirm Confirm	Back Borne Print Screen	Screen Capture	Recorded Help	12.9V VI	м 🖿 🖡	
Print Result / Operation Complete IAIl tasks are completed. Confirm LAN access to LAN or printer, Screen Capture function is available for temporally storage of this page. Touch "Screen Capture", and save it. Screen capture data is in "Cill plus Data Folder" on desk top, and open the folder named "ScreenImages". Part number after Reprog/programming Step 296A0 Part number before Reprog/programming Z5 296A0 Vehicle ZE0 LEAF VIN JN1AZ0CP xxT xxxxx System CHARGER/PD MOD Step Date 364432012 20542 20542 30542000 Confirm	Configuration	Erase All DTCs	Print Result / Operation Complete			14/14
All tasks are completed. Confirm LAN access, touch "Print" to print out this page. Immediately access to LAN or printer, Screen Capture function is available for temporally storage of this page. Touch "Screen Capture", and save it. Screen capture data is in "Cill plus Data Folder" on desk top, and open the folder named "ScreenImages". Part number after Reprog/programming Step 296A0 Part number before Reprog/programming 25 296A0 Vehicle ZE0 LEAF Vin JN1AZ0CP xxT xxxxxx System CHARGER/PD MOD Step Date 36443201223642400 Step 25a CharGER/PD MOD Step 25a Print	Print Result / Operation Complete					
Part number after Reprog/programming 25 296A0 Part number before Reprog/programming 25 296A0 Vehicle 220 LEAF VIN JN1AZ0CP xxT xxxxx System CHARGER/PD MODI Step 25a Print Date 25a Charger 25a Confirm	All tasks are completed. Confirm L In case CONSULT carried temporally storage of this page. To Data Folder" on desk top, and open	AN access, touch "Prin ately access to LAN or ; Jich "Screen Capture", a the folder named "Scre	(" to print out this page. orinter, Screen Capture fun ind save it. Screen capture enImages".	ction is availat data is in "CIII	ble for plus	
Pat number before Reprogramming 25 296A0 Vehicle ZEO LEAF VIN JN1AZOCP xxT xxxxxx System CHARGER/PD MODI Date 255 296A0 IN1AZOCP xxT xxxxxx System CHARGER/PD MODI Step 25a Print Confirm	Part number after Reprog/programming	Step 🛒	296A0			
Vehicle ZEO LEAF VIN JN1AZOCP xxT xxxxxx System CHARGER/PD MOD Step 25a Print Date 25a Confirm	Part number before Reprog/programming	25 🛁	296A0			
VIN JN1AZOCP xx T xxxxxx System CHARGER/PD MODI Date 255a Print Step 25a Confirm	Vehicle		ZE0 LEAF			
System CHARGER/PD MODI Date 25a Print Step 25a Confirm	VIN		JN1AZ0CP XXT XXXX	xx		
Date 25a Confirm	System		CHARGER/PD MOD	Step		Print
Step 25c Confirm	Date		1011120X1212X24X09X8	25a		
				Step 25c		onfirm

Figure 21

26. After Confirmation has completed, select Home.



Figure 22

Go the next page.

HV BATTERY (Lithium Ion Battery Controller) module update

27. Perform steps 7 through 12 on pages 4 through 6.

28. Select HV BATTERY.

• Wait for System Call to complete.

CONSULT-III plus Ver.V14.11.00	/IN:	Vehicle : LEAF ZE0 201	1 Country : U.S.A.
Back Home Print Screen	n Measurement Recorded Data	10.7V	📕 🗾 🗙 🖿 📃 🔀
Configuration	Input VIN Sys	tem Selection Opera	tion Selection 6/6
System Selection			
In case ECU you want to operate is not I	isted below, the vehicle or	model year might be selec	ted wrong.
MULTI AV	EV/HE	v Í	TRANSMISSION
ABS		G	Step
IPDM E/R			28
METER/M&A	TELEMAT	ics	
ВСМ	HVAC		
			1/1
	Figure	23	

29. Select Reprogramming.

	CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Back Itome Print Screen	reen pture Mode Recorded Data	Help 10.7V VI	× = _ X
	Configuration	System Selection Operat	tion Selection	6/6
	Operation Selection			
	Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an o	"Reprogramming". operation in REPLACE ECU ca	tegory.	
	REPROGRAMMING			
Step 29	Reprogramming	In case you want to reprog	rramming ECU, touch "Reprogran	nming".
	Replacement OF ECU			
	Programming (Blank ECU)			
	Programming	In case you want to repla Before replace ECU, ECU After replace ECU, CONSU	ce ECU, you should operate follo data is saved to CONSULT. JLT writes ECU data and program	owings. ming data.
	VEHICLE CONFIGURATION			
	Read / Write Configuration	Manual Configu	In case you has air touch "Manual Cor	eady replaced ECU, figuration".
	L.c.	Figure	24	

30. Write down the **Part Number** on the vehicle's repair order from Figure 25 and confirm if it matches one of the part numbers in Table "B" below.

Table B

MODEL YEAR	CURRENT HV BATTERY PART NUMBER: 293A0-
2011-2012 LEAF (ZE0)	3NA0B, 3NA0C, 3NA1B

- If the HV BATTERY part number is one of the part numbers listed in the table above, continue with reprogramming.
 - Select **Save**, and then go to Step 31.
- If the HV BATTERY part number **is not** in the table above, this <u>campaign may not</u> <u>apply</u> or it has already been done. Recheck Service Comm for campaign eligibility.

	CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Back Home Print Screen Capture	Messarement Mode Data 00 Help 12.7V VI MI	
	Configuration	tion Selection Save ECU Data	7/7
	Save ECU Data		
	Touch "Save" to save operation log and th Operation log helps to restart next operation after operation has completely finished.	e current part number as listed below to CONSULT. n by selecting suitable operation log. Operation log is erased	
	File Label	JN1AZ0CPxBTxxxxxx	
	Operation	REPROGRAMMING	
N/ 16	System		
	Part Number	293A0	
	Vehicle	ZEOLEAF	
	VIN	JN1AZ0CPxBTxxxxxx	
	Date	1/11 If OK, select	Save
		Save	
	,	Figure 25	

31. Read the precautions on page 1, and then select page 2 (page 2 not shown) with arrow. After reading page 2, select **Confirmed instructions**, and then select **Next**.

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Biome Print Screen	Screen Capture	Help 11.6V VI	' 🗙 🖿 📃 🔀
Ke/programming, Configuration	Save ECU Data	Precaution Select Progra	m Data 8/11
recaution			
operantly suggestors. f the reprogramming/programming usable. Please review the all of precautions	is unsuccessful, ECU software , and click the "Confirm" checl	may be damaged and ECU is no (box after confirming the its point	longer ts.
Precautions			())
Work preparation 1. Install the latest version of the re	programming data to this CO	NSULT-III plus PC.	
 Turn off any wireless devices su PC preparation 	ich as mobile phones, cordles:	s phones, transceivers, etc.	
 Close all other software except C Check that the screen saver is tur "Properties". Select the Screen Saver block "OK". 	CONSULT-III plus and DO NOT rned OFF. To do this, right-click er tab then select "(None)" fror	activate any other software. on the PC Desktop, and select the Screen Saver pull-down mer	nu, and
3. Operate the PC using the A/C ad 4. DO NOT disconnect the VI diagn	aptor to keep the battery char osis da te link cable du ring re	ged. port/programming.	
-Vehicle preparation 1. Adjust the battery charger output 13.5V. For EV, DO NOT char	Step 31	be 12V battery is in the range of 1	2.0V to
2. Turn OFF all lected of mer 3. DO NOT turn swi	ts and lany electronic lany el	push por without	
depressing are pedal to set " Confirmed instructions	power switch ON". (Ready lan	np in the meter poor in the second se	Next
	Figure	e 26	\smile

NOTE: In some cases, more than one new P/N for reprogramming is available.

- > In this case, the screen in Figure 27 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 may mean that there is no reprogramming available for this vehicle, this <u>campaign does not apply</u> or it has already been done. Recheck Service Comm for campaign eligibility.

CONSULT-III plus Ver.V14.21.0	oo VIN:	Vehicle : Ll	EAF ZEO 2011	Country ; U.S.A.
Back Home Print Scree	n Screen Mode	Recorded Help	12.3V VI MI	-
Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	10/12
Select Program Data				
Touch and select the reprog/p In case no reprog/programming reprog/programming data in CC System	rogramming data listed be g data is listed below, confi INSULT. HV BATTERY	low. rm the vehicle selection,	VIN and	
Current Part Number	Part Number After Repr	o/programming	Other Information	
XXXXX-XXXXX XXXXX-XXXXX	XXXXX-XXX XXXXX-XXX	XX XXXX XX XXXX	xxxxxxxxxxxxxxx xxxxxxxxxxxxxxx	x x
			010	Next

Figure 27

32. Verify the **Current Part Number** matches the Part Number written down in step 30, and then select **Next**.

CONSULT-III plus Ver.V14.11.00 VIN	I: Vehicle : LEAF ZE0 20	011 Country : U.S.A.
Back Rome Print Screen Capitare	Messarerrert Mode Mode	🗟 🚚 🗙 🛑 📃 🚺
So Configuration	Precaution Select Program Data	Condition
elect Program Data		
 In case the screen to select reprog/progra vehicle. In case the part number after reprogramm selection, VIN and reprog/programming dat 	mming data is NOT displayed, only one data is at ing is wrong, touch "Re-select", and confirm the a in CONSULT.	vailable for this vehicle
Part Number After Repro/programming	293A0 293A0	
Part Number After Repro/programming	293A0 293A0 ZEO LEAF	
Part Number After Repro/programming	293A0 293A0 ZEO LEAF JN1AZOCP xBT XXXXXXX	
Part Number After Repro/programming Current Part Number Current Part Number Current Part Number Current Part Number Vin System	293A0 293A0 ZEO LEAF JN1AZOCP xBT XXXXXXX HV BATTERY	
Part Number After Repro/programming Current Part Number Current Part Number Section System	293A0 293A0 ZE0 LEAF JN1AZ0CPxBT xxxxxx HV BATTERY Verify P/N	Re-select

Figure 28

- 33. If the screen in Figure 29 appears, first select **Delete** then **Confirm**, and then **Other Operation**.
 - This will erase the **Saved Data List** and restart the reprogram from step 28.
 - If no **Saved Data List** is stored Figure 31 will be displayed. Proceed to step 34.

	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Borne Print Screen	Sereen Capture Mode Record Data	ed Ep 12.3V VI	× -
Re/programming, Configuration	Vehicle Confirmation	Operation Log Selection	
eration Log Selection			
case you want to write the save ata list (left side), and confirm the rant to do other operation, touch "	data from CONSULT to vehicle detail (right side). If the detail 'Other Operation''.	ECU, touch and select the data in Sa is OK, and touch "Confirm". In case t	ve you
ived Data List	Javed Data Detail		
JN1AZ0CP _X BT _{XXXXXX}	Operation	REPROGRAMMING	
JN1AZ0CP _X BT _{XXXXXX}	Operation System	REPROGRAMMING HV BATTERY	_
JN1AZOCP _X BT _{XXXXXX}	Operation System Part Number	REPROGRAMMING HV BATTERY 293A0	
JN1AZOCP _X BT _{XXXXXX}	Operation System Part Number Vehicle	REPROGRAMMING HV BATTERY 293A0 Step	Delete
JN1AZOCP _X BT _{XXXXXX}	Operation System Part Number Vehicle VIN	REPROGRAMMING HV BATTERY 293A0 Step JN1AZ	Delete
JN1AZOCP _X BT _{XXXXXX}	Operation System Part Number Vehicle VIN Saved Date	REPROGRAMMING HV BATTERY 293A0 Step JN1AZI 1/26/2012 8:37:38 AM	Delete

Figure 29

- 34. Open the hood, and then set up the GR8 Multitasking Battery Diagnostic Station (battery tester/charger) for the 12V battery.
 - For battery charger/tester setup, refer to Page 38, GR8 Multitasking Battery Diagnostic Station Setup.

CAUTION: Battery voltage must stay between 12 volts and 15.5 volts.

CAUTION: <u>Do not charge the High Voltage (HV) Lithium Ion battery during</u> <u>reprogramming</u>.



Figure 30

35. Confirm battery voltage is correct, and then select Next.

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

CONSULT-III plus Ver.V14.11.00 VIN:		Vehicle : LEAF 75	0.0014	Country : U.S.A.
Back Rome Print Screen Capture	Measurement Mode	() Help	← <mark></mark>	
Configuration	recaution Select Pro	gram Data	Co Vehicle ion	10/11
Confirm Vehicle Condition				
Operate according to the following procedu	res.		Monito batt	or 12V ery
1 Demove the terminal case of bettery, and a	annaat hattani aharwar ta hatta		voltage	e nere
2				
Adjust the battery charger output so that th	ne vehicle battery voltage is bet	tween 12.0V and		2
13.5V. The vehicle battery voltage is shown	n on the top-right of this scre <u>en</u>	Must "Green" I	be before	1
Confirm the RESULT is OK, touch "Next".		selecting	Next	
Result	ок			Next
1				

Figure 31

- 36. With battery voltage in the green, select Start.
 - The reprogramming process begins when **Start** has been selected.

NOTE: For reprogramming to continue, vehicle 12V battery voltage must stay within 12 volts and 15.5 volts. Make sure the voltage level is sufficient.

CONSULT-III plus Ver.25.21	VIN:JN1AZ0	CP9BT009254	Vehicle : LEAF	E0 9044	Country : U.S.A.
Back Rome Print Screen	Sereen Capture	arement ode	P Help	12.5V VI MI	
Configuration	Select Progra	m Data	nfirm Vehicle Condition	Transfer	10/11
Confirm Vehicle Condition					Monitor 12V
Confirm the vehicle condition as I Then, confirm that judgment for all out of range, reprogramming or pro	isted below, set items indicate (gramming may	the vehicle cond DK, and touch "Si stop.	dition correctly. tart". In case the ve	hicle condition is	battery voltage here
Montor tem	Value	Unt	Judgment	Condition	
BATTERY VOLTAGE	12.4	v	ок		
VEHICLE SPEED	o	km/h	ок		
PLUS SIDE MAIN RLY STATUS	Off		ок		
			Γ	Sten	
				36	Start
		Figure	32		

i iguio o

37. Wait for both bar graphs to complete.

CONSULT-III plus Ver.V	/14.11.00 VIN:	Vehicle : LEA	F ZE0 2011	Country : U.S.A.
Back Home Pri	int Sereen Capture Mode	Recorded Help		× 🗖 📃 🗙
Re/programming, Configuration	Confirm Vehicle Condition	Transfer Data		11/11
Transfer Data				
screen, and touch "V/I/M "Reprogramming/Program	selection" to select other VI. In a nming" on Home screen.	ase you want to back to th	is screen, select this	s VI, and touch
Estimated Time]		
Transfer CONSULT to VI				100%
Transfer VI to ECU				40%
Ĭ			.0	0

Figure 33

38. When the screen in Figure 34 appears, reprogramming is complete.

- a. Select **Next** and wait for System Call to complete.
- b. Proceed to step 39 on page 26 to erase DTCs.

CONSULT-III plus Ver.V14:11.00	VIN:	Vehicle : LEA	F ZE0 2011	Country : U.S.A.
Dock Print Screen	Screen Capture	Recorded Data	12.8V VI N	< 🗖 📃 🔀
Re/programming, Configuration	Transfer Data	Confirm Result		12/12
Confirm Result				
Touch "Next" to continue operation	s completed.			
			Step 38a	Next
-	Fig	gure 34		

NOTE: If the reprogram will not complete, see the next page (page 25) to **RETRY** the reprogram update.

HV BATTERY (Lithium Ion Battery Controller) module recovery

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

- Check battery voltage (12.0 15.5V).
- 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 first</u> <u>attempt and can be selected more</u> <u>than once</u>.

CONSULT-III plus Ver.V14.21.00 VIN	: Vehicle : LE	AF ZE0 2011	Country : U.S.A.
Hack Rome Print Screen Capture	Measurement Mode Mode	← ♪ ×	; 🖿 📃 🔀
Configuration	ansfer Data Confirm Result		9/9
Confirm Result			
Reprogramming or programming is not co operation on this ECU. Touch "Retry" to retry reprogramming or pr	npleted properly, but you can retry repr ogramming.	og/programming	R
Part number after Reprog/programming	293A0 -		
Current Part Number	293A0 -	-	
Vehicle	ZEOLEAF		
VIN	JN1AZ0CP _X BTxx	xxxx	
System	HV BATTEI	RY	
Date	1/26/20 xx 4:34:55	PM	Retry
Other Information	6.26=>6.27		

Figure C

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

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

- Check battery voltage (12.0 15.5V).
- 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	een Mode Recorded Help 12.3V	🥂 💥 🖿 📃 🔀
Rs/programming, Configuration	Transfer Data Confirm Result	2/2
onfirm Result		
reuse anymore. Touch "Home" to back to Home Screen,	, replace ECU with Service Manual.	
Part number after Reprog/programming	293A0	
Current Part Number	293A0-	
/ehicle	ZEOLEAF	
/ehicle	ZEOLEAF	
Vehicle VIN System	ZEOLEAF JNIAZOCPXBTXXXXX HV BATTERY	
/ehicle /IN System Date	ZEOLEAF JN1AZ0CPxBTxxixxx HV BATTERY 1/26/20xx 4:29:18 PM	
Vehicle VIN System Date Other Information	ZEOLEAF JN1AZ0CPxBTxxxxxx HV BATTERY 1/26/20xx 4:29:18 PM 6:26=>6:27	

Figure D

- 39. Erase all DTCs:
 - a. Turn "ignition" off by depressing the power switch once.
 - The screen in Figure 35 will read **OFF** after pressing the power switch <u>once</u>.



- b. Wait 1 minute with the ignition OFF.
- c. Turn "ignition" on by depressing the power switch twice.
 - Do not step on the brake pedal when depressing the power switch.
 - The screen in Figure 19 will read **ON** after pressing the power switch twice.

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

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Bome Print Screen	Screen Mode Reco	rded Help 12.6V	🐙 🗙 🖿 🔜 🔀
Re/programming, Configuration	Confirm Result	Erase All DTCs Print Operatio	Result / on Complete 13/14
Erase All DTCs			
¹ ^T Turn ignition switch On	position.		
Current status of ignition switch	OFF	to ON	

Figure 36

d. Wait for the bar graph in the **ERASE** window to complete 100%.

CONSULT-III plus Ver.V14.11.00	VIN:JN1AZOC.	3 Vehicle : LE	AF ZE0 2011	Country ; U.S.A.
Back Bone Print Screen	Sereen Capture	Recorded Data	12.4V VI I	K 💻 🔜 🔀
Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Comple	te 13/14
Erase All DTCs				1
According to the instruction	em Call RASE	Cancel	94%	

Figure 37

- 40. Verify the part number has changed.
 - a. Print a copy by selecting **Print**.

NOTE: Before and after part numbers on your print-out may be switched compared to your CONSULT PC screen. This is ok.

- b. Attach the copy to the repair order.
- c. Once a copy has been printed, select **Confirm**.

GONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAI	F ZEO 2011	Cou	ntry : U.S.A.
Back Back Print Screen	Screen Capture	Recorded Help	12.4V VI	мі —	•
Configuration	Erase All DTCs	Print Result / Operation Complete			14/14
Print Result / Operation Complete					
All tasks are completed, Contirm I in case CONSULT carried Timmed temporally storage of this page. To Data Folder" on desk top, and oper	.AN access, touch "Pri liately access to LAN or such "Screen Capture", n the folder named "Scr	nt" to print out this page. printer, Screen Capture fu and save it. Screen capture eenimages".	nction is availat a data is in "Cill	plus	
Part number after Reprog/programming	Step =	293A0	-		
Part number before Reprog/programming	40	293A0	-		
Vehicle		ZE0 LEAF			
VIN		JN1AZ0CPxBT xxxx	xx		
System		HV/BATTERY	Step		Print
Date		1/11/2012 2:20:44 F	40a		
			Step 40c		Confirm
		L			

Figure 38

41. After Confirmation has completed, select **Home**.

CONSULT-III plus Ver.V	14.11.00	VIN:			Vehicle : LE	AF ZEO 2011		Country : U.S.A.	. [•
Back Home Pri	ent Screen	Screen Capture	Measurement Mode	Recorded Data	() Help	12.5V VI	×			Step 42
Re/programming, Configuration		Erase	All DTCs	Prin Operati	t Result / on Complete			14/14	l	
Print Result / Operation Co	mplete						-			
All tasks are completed. In case CONSULT can Ni temporally storage of this Data Folder" on desk top,	Confirmation	"Comple backing necessa	ate Operation Home once. Iry document	" Screen is In case "Co t, touch "Cal	no longer sho mplete Operat ncel'' to back p	vn after on" Screen is revious screen.	for IS			
Part number after Reprog/programming]		
Part number before Reprog/programming Vehicle			8							
VIN		Н	ome		Canc	el				
System					L			Print		
Date				1/17	1/2012 2:04:13	РМ				
		S	itep 41			1/1		Confirm		
			Fi	gure	39				1	

- 42. Close C-III plus by selecting "X" in Figure 39.
 - <u>Do not</u> turn off the CONSULT PC.
- 43. Place the vehicle in "READY to drive" mode:
 - Apply the parking brake.
 - Depress the brake pedal.
 - Depress the power switch <u>once</u>.
 - The meter and gauges will illuminate.
- 44. Open C-III plus.

45. Once the plus VI is recognized, select Diagnosis (All Systems).

	CONSL	JLT-III plus Ver.	/14.11.00	VIN:-		Vehicle : -		Country : U.S.A.		
	e Back	Home P	int Screen	een Messuzerner Mode	Recorded	i O Help	(13.5V VI	× -	×	
	Conne	ction Statu				Diagnosis Menu				
	-	Serial No.		Status		Diag	nosis (One S	System)		
recognized	VI	2300182	Norn	nal Mode/USB		Diag	nosis (All Sy	vstems)		Step
	м	-		\bigcirc				•	┙┯	45
	No conn		connection		Re/programming, Configuration					
	15	Select VI/I	MI			Immo	obilizer			
	Applica	tion Setting		า					1	
	SUB	Sub mode	ABC	Language Sett	ing	wain	tenance			
	39	VDR								
				F	- - iaure	<u>-</u> 40				
				F	igure	e 40				

- 46. Select LEAF and 2011 or 2012, or Automatic Selection (VIN).
 - If Automatic Selection (VIN) is selected, wait for the Reading VIN screen to complete.
- 47. Select Select or Detect Vehicle, whichever displays.

	CONSULT-Rights	Ver.V18.12.00	VTNE.	Vetic	de se	Country North America Common
	* Ê	Print Sammer	TT. Monastrational	Restanded Holy	11W VI	× =
	Configuration	* 🔳	Pressutien	Vahicle Select	ion Vehisle Confirma	tion
works,	Nutornatic S	election(VIN)	Manual Sel	ection(Vehicle Nam	-	
	Vehicle Name :				Madel Tear -	Sales Overvel
	"MURANO Camp (P8201	JUKE	QUEST	Step	2012	NSSAN
	3602	LEV		46	2011	INFINITI
	370Z	MADOMA	SENTRA			
	3702 Canvertible	MURANO	TITAN			
	AL TIMA	MURANO Crass Cabriolet	TITAN			
	ALTIMA Hybrid	NISSAN GT-R	VERSA Hatchbac	*		
	ARMADA	NV	VERSA Sedan			<u></u>
	CUBE	PATHFINDER	XTERRA			CLEAR
	FRONTIER	PATHFINDER ARMADA	X-TRAL	Step 47: I	May display	-
	-			Detect	Vehicle -	Select
	L					

Figure 41

- 48. Verify the VIN in **VIN or Chassis #** matches that of the vehicle.
 - If the correct VIN exists, select **Confirm**.

	CONSULT-III plus Ver.V14.11.00 VIN:	- Vehicle : -	Country : U.S.A.
	Back Home Print Screen Capture	Messerment Mode Data GO Help	-
	Ke/programming, Configuration	cle Selection	
	Please confirm selected information and to to to the selected information and to touch "Change".	uch "Confirm". In case you want to select another vehicle,	
Verify	VIN or Chassis #	JN1AZ0CP xxT xxxxxx	
nere V	Vehicle Name :	LEAF	
	Model Year	201x	
		1/1	
		If OK, select Confirm	Change
1		Figure 42	

49. Wait for System Call to complete.

CONSULT-III plus	Ver.25.21 Ver.CSP18.11	VIN:JN1AZ0CP9E	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Horne	Print Screen	Screen Capture Mode Recorded Data	С Неір 12.7V	м 🖿 📃 🔀
Diagnosis (All Systems)	Sele	ct Vehicle Confirm Vehicle		
Please confirm sele touch "Change".	cted informatic System	on and touch "Confirm". In case v Call	you want to select another ve	hicle,
	System Please	call performing wait		
VIN or Chassis #				
Vehicle Name :				
Model Year				
			9	4%
		Cancel		
			_	Change
	-			Confirm

Figure 43

- 50. If DTCs are present, select **ERASE**.
 - If no DTCs are present, skip to Step 53.

	Ar BC 47 AV		Engranz par		N M	Courty: U.S.A
-	_	Extended Information				
EWHEY	PART	EVHEY		L HED	DTC	
TELEMATICS	INST	Forde Committeerings Entering		mu	Explan	
400	-	U1000 CAN COMM CIRCUIT	1	110	Explan	
ADV	abox.	TELEMATICS	- 105			
METERIMAN	HEIDIC	UTAGE USE COMM	PAST	110	DTC Explan	
804	H0 01C					Print
AR BAG						Fer Custorer
EH2/PH2	HO DITC.					
1/3	< F			Step 50		ERASE
		Figure 4	4			

51. Select **ERASE**.

CONSULT-III plus Ver.V14.21.00	VIN: Vehicle : L	EAF ZE0 2011 Country : U.	S.A.
Back Rome Print Screen	Screen Capture Mode Recorded Data	🚓 🚚 X 🖿 📕	
Diagnosis (All Select	t Vehicle Confirm Vehicle Diagnosis Systems	(All HVAC	
Self Diagnostic Result	N N	lon	
	Erase Self-Diag memory and Freeze Frame D	ata?	
B2631 SUNLOAD SENSOR		on	
B2790 HEATER PUMP COM		on	
	Erase	ncel	
		Pr	int
	Step	Sa	ive
			ASE

Figure 45



53. Using the arrow keys, select Page **3/3**, and then select **HVAC**.



54. Select ERASE.



55. Select ERASE.



56. Select Close.

G CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Rome Print Screen	Screen Capture	Help 13.4V VI	× • • • •
Diagnosis (All Sele	ct Vehicle	Diagnosis (All Systems)	c
Self Diagnostic Result	<u> </u>	N _eou	ion
B2831 SUNLOAD SENSOR	Erasing was completed. Touch "G sure that Self Diagnostic result is o Close	lose" button, then make deleted.	on Print Save
	56	1/1	ERASE
	Figure 5	50	

NOTE: If DTC B2631 (SUNLOAD SENSOR) sets again, this is okay.

	C CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Image: Back Image: Back <th>Help Image: Second second</th> <th></th>	Help Image: Second	
	Diagnosis (All Select Vehicle Confirm Vehicle	Diagnosis (All Systems)	
	Self Diagnostic Data Monitor	Active Test	
DTC B2631: OK	B2631 SUNLOAD SENSOR CRNT	FFD DTC Explanation	
			Print
			Save
		1/1	ERASE
	Figure	51	

57. Select Back.

	CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Step 57	Back Bone Print Screen Screen Mode	Recorded Data	
	Diagnosis (All Select Vehicle Confirm Ve	Diagnosis (All Systems)	
	Self Diagnostic Data Monitor	rt Active Test	
	B2631 SUNLOAD SENSOR	CRNT FFD DTC Explanation	
			Print
			Save
		1/1	ERASE
	Fig	jure 52	

58. Using the arrow keys, go to Page **3/3**, and then select **MULTI AV**.



59. Select ERASE.



60. Select Erase.



Figure 55

61. Select Close.

- Ctor	ONSULT-III plus	Ver.05.17.00	VIN:JN1AZ0CF	Vehicle : LEAF ZE0 2011	Country : U.S.A.
5ter 61a		Print Screen	Sereen Capture Mode Record	ed 0 Heip 13.2V	VI 🕺 💻 🦲 🔀
4	Diagnosis (All Systems)	Selec	t Vehicle Confirm Vehicle	Diagnosis (All Systems)	
	👧 АН ОТС	Information	CAN DIAG	V \	
ſ	Result		Erasing was completed. Tou sure that Self Diagnostic res	ch "Close" button, then make ult is deleted.	
	EV/HEV				rc]
	TELEMATICS				
	ABS				
	METER/M&A				rC Ian
	всм		Clos	60	Print
	AIR BAG	-NODIC			Print
	EHS/PKB	NO DTC	Ste		Sava
	1/3		61		
_			Figur	e 56	

- 62. Once all DTCs have been erased:
 - a. Select **Home**, and then on the next screen, select **Yes** (picture not shown).
 - b. Close C-III plus, turn off the CONSULT PC, and then disconnect the CONSULT PC and plus VI from the vehicle.
 - c. Turn "ignition" off (depress power switch once).
- 63. Verify the repair is complete:
 - a. Place the vehicle in the "READY to drive" mode (press power switch while stepping on the brake pedal).
 - b. Verify no error messages are displayed in the meter and gauges or center multifunction control panel.
 - c. If the timer for either charging or climate control were "on" prior to reprogramming, turn them back on.

GR8 Multitasking Battery Diagnostic Station Setup

- 1. Connect the battery tester/charger to the 12V battery, positive cable first.
- 2. Plug in the battery tester/charger (AC voltage supply), and then turn on the battery tester/charger.
- 3. Select the preferred language, and then depress NEXT.
- 4. Select the USER, and then depress NEXT.
- 5. Confirm the USER, and then depress NEXT.
- 6. Select System Test, and then depress the "down" arrow.
- 7. Select the Manual icon, and then depress NEXT.
- 8. Select REGULAR FLOODED, and then depress NEXT.
- 9. Select LIMIT VOLTAGE, and then depress NEXT.
- 10. Set MIN VOLTAGE to 12.40 volts, and then depress NEXT.
 - Use the arrows to raise and lower the voltage setting.
- 11. Set the charging time for 40 minutes, and then depress NEXT.
- 12. Wait for the system to go through Test mode and Advanced Test mode.
- 13. Perform CHARGER/PD MODULE or HV BATTERY module reprogramming now.
- 14. Once **CHARGER/PD MODULE** or **HV BATTERY** module reprogramming has completed:
 - Depress STOP
 - depress the power switch to OFF
 - unplug the battery tester charger from the AC voltage supply

NOTE: For further details on battery tester/charger connection and set-up, refer to the battery tester/charger's instruction manual.

CLAIMS INFORMATION

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

"CM" I.D.: P3227

CAMPAIGN ID	DESCRIPTION	OP CODE	FRT
P3227	Reprogram Lithium Ion Battery Controller and the On-Board Charger module	P32270	0.7

Dear Nissan LEAF Owner:

Nissan values the feedback that we receive from our owners, and we try to use your comments to improve our products. With the goal to provide the highest level of customer satisfaction, Nissan is now offering two ongoing improvements for your Nissan LEAF.

First, Nissan is providing a new software enhancement for model year 2011-2012 LEAF vehicles, updating them with the software currently used in production for 2013 model year LEAF vehicles. The software enhancement is aimed at improving the accuracy of the battery capacity level gauge and providing greater compatibility with an expanded range of EV charging equipment.

Second, Nissan is now implementing expanded coverage under its New Electric Vehicle Limited Warranty, to protect against capacity loss in your LEAF's lithium-ion battery, as previously announced by Nissan in December 2012.

SOFTWARE ENHANCEMENT

The 2013 LEAF features many improvements, including updated software that improves the performance of the battery capacity level gauge (outlined below) to more accurately reflect actual battery capacity. This update does not change the amount of capacity represented by the each of the bars in the meter.



In addition, the vehicle's on-board charger software has been enhanced to improve compatibility with a broader range of EV charging equipment. By updating the software for 2011 and 2012 vehicles, Nissan is providing customers with the benefits of these ongoing improvements enjoyed by owners of the 2013 LEAF.

WHAT NISSAN WILL DO

To ensure your continued satisfaction and confidence in your car, your EV Certified Nissan dealer will update the software as described above at no cost to you for parts and labor.

WHAT YOU SHOULD DO

Contact your EV Certified Nissan dealer at your earliest convenience in order to arrange your appointment. This service is free of charge and the work should take less than 2 hours to complete. **To ensure the greatest convenience to you, it is important that you have an appointment before bringing your vehicle to the dealer for this service.** Please bring this notice with you to your service appointment. Detailed instructions have been sent to your EV Certified Nissan dealer.

EXPANDED WARRANTY COVERAGE

In addition to the existing lithium-ion battery coverage provided under the Nissan Electric Vehicle Limited Warranty for defects in materials or workmanship, the lithium-ion battery for your 2011 or 2012 Nissan LEAF is now also warranted against capacity loss below nine (9) bars (or approximately below 70 percent) as shown on the vehicle's battery capacity level gauge for a period of 60 months or 60,000 miles, whichever comes first.

This warranty covers any repairs needed to return battery capacity to a level of nine remaining bars on the vehicle's battery capacity level gauge. If possible, the lithium-ion battery components will be repaired or replaced, and the original battery pack will be returned to the vehicle. If necessary, the lithium-ion battery will be replaced with either a new or remanufactured battery. Any repair or replacement made under this Lithium-Ion Battery Capacity Coverage may not return the battery to an "as new" condition with all 12 battery capacity bars, but it will provide the vehicle with a capacity level of nine bars or more on the battery capacity level gauge.

Please apply the label at the bottom of this letter to your Warranty Information Booklet. If your vehicle's battery capacity level is currently at or above nine (9) bars, no further action is required.

If your vehicle's battery capacity level gauge is already displaying eight (8) or fewer bars of capacity prior to the above referenced software update (and within the first 5 years or 60,000 miles, whichever comes first), your Nissan dealer will verify this condition and arrange for the repair or replacement of the lithium-ion battery in accordance with the terms of the warranty.

Please note that replacement lithium-ion batteries may require special ordering which may delay the actual repair by several weeks. Your patience in these circumstances is appreciated.

If you have any questions about this announcement, you may contact the Nissan LEAF Call Center at 877-N0-GAS-EV (877-664-2738), or by writing us at Nissan North America, Inc., P.O. Box 685003, Franklin, TN 37068-5003.

Thank you for providing us an opportunity to ensure your satisfaction. We hope you continue to enjoy smooth, zero emissions driving in your Nissan LEAF!

N
Peel and stick label

NOTICE:

In addition to the Lithium-Ion Battery Coverage for defects in materials or workmanship, the Lithium-Ion battery for your 2011 or 2012 Nissan LEAF is now also warranted against capacity loss below nine (9) bars of capacity as shown on the vehicle's battery capacity level gauge for a period of 60 months or 60,000 miles, whichever comes first. All other warranty terms, limitations, and conditions remain unchanged.

Nissan North America WBI/13-xxx