

SERVICE CAMPAIGN BULLETIN

Reference:

NTB13-061

June 6, 2013

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.

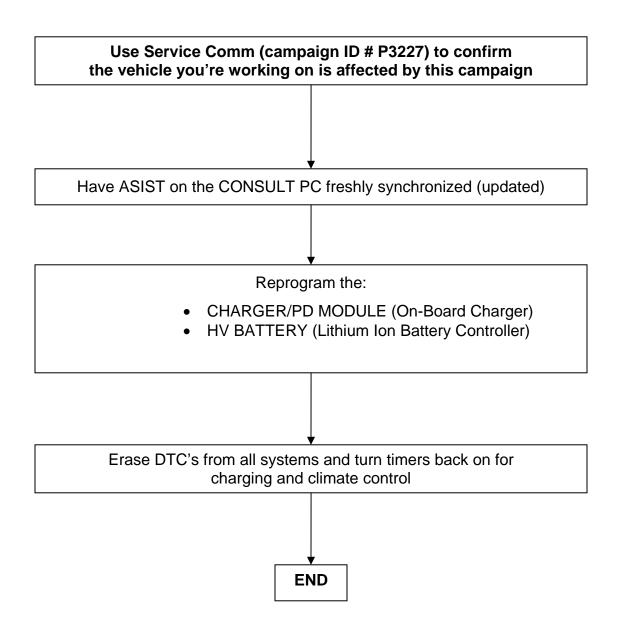
DEALER RESPONSIBILITY

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.

	CONSULT-III plus Ver.V14.11.00	VIN:-	Vehicle : -	Country : U.S.A.
	Back Home Print Screen	Screen Capture	ed Provide the second s	× • • • •
	Connection Status		Diagnosis Menu	Ì
Plus VI is	VI 2300182	Step 6	Diagnosis (One S	ystem)
recognized		Normar moueroSB connection	Diagnosis (All Sys	stems)
	MI -	No connection	Re/programming,	Configuration
	Select VI/MI	Step 7		
	Application Setting		Immobilizer	
	Sub mode	ABC Language Setting	Maintenance	
	VDR			

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.
	Z rement Recorded Data	13.5V VI MI
Re/programming, Configuration	Precaution	Vehicle Selection
Precaution		
Operating suggestions for reprogramming, progr Please review the all of precautions, and click the touch "Next".		the its points. And
Caution: 1. Follow the operation guide displayed on screer 2. "Back" and "Home" button may not be used o	ı. n this flow.	
-For reprogramming and programming 1. Install the latest version of the CONSULT-III plus CONSULT-III plus PC. 2. Preparation and read the service manual or rep	, , , , , , , , , , , , , , , , , , , ,	ing data to this
-For ECU Configuration 1. Need to write the configuration data to new EC 2. If writing the wrong configuration data, ECU ca		ta.
For ECU Configuration using manual mode 1. Confirm the vehicle's spec and its configuration configuration data, ECU can not work, Pla- 2. Operate the saving complete	Step 8	f writing the wrong
		1/1
	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 ی 🖉 🚓 🍠 🗙 2 1 **181 %** Reiprogramming Configuration Vehicle Confirmation ◄ Vehicle Selection Pressutian This works, Automatic Selection(VIN) Manual Selection(Vehicle Name) too Vehicle Hame Model Year ins Owned "MURANO Camp (P8201 NISSAN JUKE QUEST 2012 350Z LEAF ROGUE 2011 INFINITI 370Z MAXIMA SENTRA 2702 Convertible MURANO Step MURANO Crass Cabrialet AL TIMA 9 VERSA Hatchback ALTIMA Hybrid MISSAN GT-R ARMADA NV VERSA Sedan CLEAR CUBE PATHRINDER XTERRA PATHFINDER ARMADA FRONTIER X-TRAIL Step Select 10 1/1 < Þ 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**.

	CONSULT-III plus Ver.V14.11.00 VIN	- Vehicle : -	Country : U.S.A.
	Back Reme Print Screen Capture	Messrement Mode Data	-
	Configuration	cle Selection	
	Please confirm selected information and to touch "Change".	such "Confirm". In case you want to select another vehicle,	
Verify here	VIN or Chassis #	JN1AZ0CP xxT xxxxxx	7
	Vehicle Name :	LEAF	
	Model Year	201x	
		1/1]
			Change
		If OK, select Confirm	Confirm
		Figure 4	

Figure 4

12. Select Confirm again.

G CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : l	EAF ZE0 2011	Country : U.S.A.
Back Home Print Screen	Screen Capture	Recorded Data	10.6V VI M	K 💻 🔜 🔀
Re/programming, Configuration	Vehicle Confirmation	Input VIN	System Selection	
Input VIN				
Enter the VIN number, and touc According to this operation, in c CONSULT, VIN number you input to the second secon	ase of specified operatio t is saved as file name."			
VIN (17 or 18 digits)		XXXX		
			Step 12	Confirm
1				

Figure 5

CHARGER/PD MODULE (On-Board Charger) update

13. Select CHARGER/PD MODULE.

• Wait for system call to complete.

CONSULT-III plus Ver.V14.11.00 VII	N: Vehicle : LE/	AF ZE0 2011	Country : U.S.A.
Back Rome Print Screen	Measurement Mode	10.7V VI MI	-
Configuration	Input VIN System Selection	Operation Selection	5/6
System Selection			
Touch "system". In case ECU you want to operate is not lis	ted below, the vehicle or model year migh	t be selected wrong.	
MULTI AV	EV/HEV	TRANS	MISSION
ABS	AIR BAG	Step 13	
IPDM E/R	HV BATTERY		
METER/M&A	CHARGER/PD MODULE	Ţ	
всм	HVAC	Ī	
	A		
			1/1

Figure 6

14. Select Reprogramming.

	CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Back Rome Print Screen Capture Mode		× • 💽 🔀
	Configuration	Operation Selection	6/6
	Operation Selection		
	Touch "Operation". In case over write current ECU, touch "Reprogramm In case replacement of ECU, select an operation in RE		
Step 14	Reprogramming	I want to reprogramming ECU, touch "Reprogram	ming".
	Replacement OF ECU		
	Programming (Blank ECU)		
	Before rep	u want to replace ECU, you should operate follov lace ECU, ECU data is saved to CONSULT. ce ECU, CONSULT writes ECU data and programn	-
	VEHICLE CONFIGURATION		
	Read / Write Configuration	In case you has alreat touch "Manual Confi touch "Manual Confi	
			

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 VIN	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Back Reme Print Screen	Measurement Mode Data	-
	Configuration	tion Selection Save ECU Data	7/7
	Save ECU Data		
		e current part number as listed below to CONSULT. n by selecting suitable operation log. Operation log is erased	
	File Label	JN1AZ0CP xxT xxxxxx	
	Operation	REPROGRAMMING	
<u>, , , , , , , , , , , , , , , , , , , </u>	System	CHARGER/PD MODULE	
Verify here	Part Number	296A0	
	Vehicle	ZEOLEAF	
	VIN	JN1AZ0CP xxT xxxxxx	
	Date	If OK, select	Save
		Save V	
2		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 ZE0 2011	Country : U.S.A.
Image: Back Image: Back	Help	× • • • •
Re/programming, Configuration	Precaution Select Program I	Data
Precaution		
Operating suggestions: If the reprogramming/programming is unsuccessful, ECU software usable. Please review the all of precautions, and click the "Confirm" chect		nger
Precautions		
<before reprogramming="" starting=""> -Work preparation</before>		
1. Install the latest version of the reprogramming data to this COI 2. Turn off any wireless devices such as mobile phones, cordles		
-PC preparation		
1. Close all other software except CONSULT-III plus and DO NOT 2. Check that the screen saver is turned OFF. To do this, right-clici	on the PC Desktop, and select	
"Properties". Select the Screen Saver tab then select "(None)" from click "OK".	• •	and
3. Operate the PC using the A/C adaptor to keep the battery char 4. DO NOT disconnect the VI diagnosis data link cable during re		
-Vehicle preparation Step		
13.5V. For EV, DO NOT charment 10 gran	e 12V battery is in the range of 12.0	IV to
2. Turn OFF all electric ments and any ele 3. DO NOT turn of smittion switch/Power switch. For EV/HEV	push por twice without	
depressing pedal to set "power switch ON". (Ready lar Confirmed instructions	np in the meter prot illum	Next
Figur	e 9	

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.V	14.21.00	VIN:			Vehicle : LEA	- ZE0 2011		Country : U.S.A.
Back Home Prin	💓 nt Screen	Screen Capture	Measurement Mode	Recorded Data	() Help	🧀 📕 12.3V VI		-
Re/programming, Configuration		Prec	aution	Select Pro	gram Data	Confirm V Conditi		9/11
Select Program Data								
Touch and select the rep in case no reprog/program reprog/programming data	nming o	lata is listed b	ta listed belo elow, confir	ow. m the vehicle	selection, VI	N and		
System	CHAI	RGER/PD M	ODULE					
Current Part Number		Part Numl	oer After Repro	/programming		Other Information	on	
xxxxx-xxxxx		х	xxx-xxxx	x	xxxx		xxxxx	
XXXXX-XXXXX		ХХ	ххх-хххх	х	XXXXX	XXXXXXXX	XXXXXX	
								Next
						010][▶	

Figure 10

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

🔹 🕋 🚵 👶 💖 🛛 🚗 💵 🗙 🖿	
Back Home Print Screen Screen Capture Measurement Mode Data Help 11.0V VI MI	
Configuration Re/program Data Confirm Vehicle Condition	9/11
Select Program Data	
Confirm the detail listed below, and touch "Next" if OK. -In case the screen to select reprog/programming data is NOT displayed, only one data is available for this vehicle. -In case the part number after reprogramming is wrong, touch "Re-select", and confirm the vehicle selection, VIN and reprog/programming data in CONSULT.	
Part Number After Repro/programming	
Current Part Number	
Vehicle ZEO LEAF	
VIN JN1AZ0CP xx T xxxxxx	
System CHARGER/PD MODULE	
Other Information ZEO with ASCD VCM	Re-select
Expected time to finish re/programming Verify P/Ns above, then	Next
select Next	

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.

CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Print Screen	icreen apture Mode Recorded	Image: Constraint of the second sec	× • 📄 🔛
Re/programming, Configuration	Vehicle Confirmation	peration Log Selection	
Operation Log Selection			
CONSULT has the saved data relate. In case you want to write the save dat data list (left side), and confirm the de want to do other operation, touch "Oth	a from CONSULT to vehicle E tail (right side). If the detail is	CU, touch and select the data in Sa	
Saved Data List	Saved Data Detail		
JN1AZ0CP _X BT _{XXXXXX}	Operation	REPROGRAMMING	
	System	CHARGER/PD MODULE	
	Part Number	296A0	
	Vehicle	Step	Delete
	VIN	JN1AZC 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	Country : U.S.A.	
Back Rome Print Screen Capture	Measurement Mode		\times
Re/programming, Configuration	aution Select Program Data	Con shicle on 11	0/11
Confirm Vehicle Condition			
Operate according to the following procedures		Monitor 12V battery voltage here	
Remove the terminal caps of battery, and con	nect battery charger to battery.		
2 Adjust the battery charger output so that the		Solar Solar	
13.5V. The vehicle battery voltage is shown o	n the top-right of this scre <u>en</u> MUS	t be	
	"Green"		
3 Confirm the RESULT is OK, touch "Next".	selectin	g 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 Ver.CSP18.11	VIN:JN1AZ0	CP9BT009254	Vehicle : LEAF 75	0.2014	Country : U.S.A.
Back Rome Print Screen		Recorde Data		← / / / × × 12.7V × VI MI	
Re/programming, Configuration	Select Progra	um Data	Confirm Vehicle Condition	Transfer	10/11
Confirm Vehicle Condition					Monitor 12V
Confirm the vehicle condition as Then, confirm that judgment for al out of range, reprogramming or pro	l items indicate	OK, and touch '		icle condition is	battery voltage here
Monitor Item	Value	Unit	Judgment	Condition	
BATTERY VOLTAGE	12.8	v	ок		
Q/CHG CONNECT DETECT	DISCNCT		ок		
			Г	<u>Otan</u>	
				Step	Start
				21	
		— • • • •			

Figure 15

22. Wait for both bar graphs to complete.

CONSULT-III plus Ver.V	14.11.00 VIN:	Vehicle :	LEAF ZE0 2011	Country : U.S	S.A.
Back Pri	nt Screen Capture Mode	Recorded Data	12.9V VI	× -	
Re/programming, Configuration	Confirm Vehicle Condition	Transfer Data			11/11
Transfer Data					
In case the other VI is available other vehicles by using o	iferring the data to vehicle ECL ailable, CONSULT-III plus is avai ther VI. In case you want to use selection" to select other VI. In o mming" on Home screen.	lable for other operation CONSULT-III plus with	other VI, touch ''Hom	e" to back to Home	g
Estimated Time	10min				
Transfer CONSULT to VI					100%
Transfer VI to ECU					40%

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 : LEAF ZE0 2011	Country : U.S.A.
Back Frint Screen Screen Capture	rt Recorded Help 12.8V VI	M - 20
Re/programming, Configuration	Confirm Result	12/12
Confirm Result		
Reprogramming or programming is completed. Touch "Next" to continue operation.		
	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	Messrement Mode Data	× 🗭 📃 🔀	
Configuration	Insfer Data	9/9	
Confirm Result			
Reprogramming or programming is not con operation on this ECU. Touch "Retry" to retry reprogramming or pro	npleted properly, but you can retry reprog/programming ogramming.		
Part number after Reprog/programming	296A0 -		
Current Part Number	296A0 -		
Vehicle	ZEOLEAF		
VIN	JN1AZ0CPxBTxxxxxx		
System	CHARGER/PD MODULE		
Date	1/26/20 xx 4:34:55 PM Retry		
Other Information	6.26=>6.27		
Error Code	RNDS_CAN_ALL_SC003-5=NR	Print	

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.

CONSULT-III plus Ver.V14.21.00 VIN	- Vehicle : -	Cou	Intry : U.S.A.
Back Rome Print Screen Capture	Moser errert Mode	(→) ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
Configuration	nsfer Data Confirm Result	[2/2
Confirm Result			
Reprogramming or programming is not cor reuse anymore. Touch "Home" to back to Home Screen, rep		and impossible to	
Part number after Reprog/programming	296A0		
Current Part Number	296A0		
Vehicle	ZEOLEAF		
VIN	JN1AZ0CPxBTxxxxx		
System	CHARGER/PD MODULE		
Date	1/26/20XX 4:29:18 PM		
Other Information	6.26=>6.27		
Error Code	Print		

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 Ver.V14.11.00 VIN:		Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Bone Print Screen Capture	Measurement Mode	Image: Weight Help Image:	
Configuration	nfirm Result	II DTCs Print Result / Operation Complet	re 13/14
Erase All DTCs			
According to the instruction below, erase Al	IDTCs.		
1			
Turn ignition switch OFF position		ON to	OFF
Current status of ignition switch	ON	OFF	
	Figure 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 : LE	AF ZE0 2011	Country : U.S.A.
Back Rome Print Screen	Screen Capture	Recorded Data	12.6V VI MI	
Re/programming, Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	13/14
Erase All DTCs				
According to the instruction below, of a second sec			CIEK I	
Current status of ignition switch	OFF			OFF

Figure 19

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

CONSULT-III plus Ver.V14.11.00 VIN.JN1AZOC
Back Home Print Screen Screen Mossurement Recorded Help 12.4V VI MI
Confirm Result Confirm Result Confirm Result
Erase All DTCs
According to the instruction 1 Turn ignition switch to the Step 94%
Cancel
Figure 20

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**.

CONSULT-III plus Ver.V14.11.00 VIN	l:	Vehicle : LEAF ZE0 2011	Country : U.S.A.	
Back Home Print Screen	Measurement Mode	Image: Provide with the second seco	× 🖿 📃 🔀	
Configuration		Result / n Complete	14/14	
Print Result / Operation Complete				
All tasks are completed, Confirm LAN access, touch "Print" to print out this page.				
		96A0		
Vehicle		ZE0 LEAF		
VIN	JN1A			
System	CHARGE	R/PD MODI Step	Print	
Date	1MAX	axia:2x04:x0x6 25a		
Step 25c				

Figure 21

26. After Confirmation has completed, select Home.

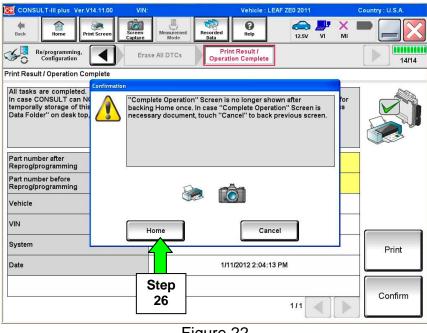


Figure 22

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 VIN	: Vehicle : LEA	F ZE0 2011 Country : U.S.A.
Back Rome Print Screen Capture	Messurement Mode Recorded Bata	
Re/programming, Configuration	Input VIN System Selection	Operation Selection 5/6
System Selection		
Touch "system". In case ECU you want to operate is not list	ed below, the vehicle or model year might	be selected wrong.
MULTI AV	EV/HEV	TRANSMISSION
ABS	AIR BAG	Step
IPDM E/R	HV BATTERY	
METER/M&A	TELEMATICS]
ВСМ	HVAC]
		-
		1/1
	Elevine 00	

Figure 23

29. Select Reprogramming.

	CONSULT-III plus Ver.V14.11.00 VIN: Vehicle : LEAF ZE0 2011 Country : U.S.A.
	Image: Back Image: Back
	Re/programming, Configuration Selection Operation Selection 6/6
	Operation Selection
	Touch "Operation". In case over write current ECU, touch "Reprogramming". In case replacement of ECU, select an operation in REPLACE ECU category.
	REPROGRAMMING
Step 29	Reprogramming
	Replacement OF ECU
	Programming (Blank ECU)
	Programming In case you want to replace ECU, you should operate followings. Before replace ECU, ECU data is saved to CONSULT. After replace ECU, CONSULT writes ECU data and programming data.
	VEHICLE CONFIGURATION
	Read / Write In case you has already replaced ECU, touch "Manual Configuration". Configuration Manual Configuration
	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 Rome Print Screen Capture	Messurement Mode Data	-
	Configuration	tion Selection Save ECU Data	717
	Save ECU Data		
		e current part number as listed below to CONSULT. n by selecting suitable operation log. Operation log is erased	
	File Label		
	Operation	REPROGRAMMING	
	System	HV BATTERY	
Verify here	Part Number		
	Vehicle	ZEOLEAF	
	VIN	JN1AZ0CPxBTxxxxxx]
	Date	^{1/1} If OK, select	Save
		Save 7	
1		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 201	1 Country : U.S.A.
Back Rome Print Screen Capture	Measurement Mode Recorded Data OP	, 🤐 💥 🖿 🔜 🔀
Configuration Save E	CU Data Precaution Select	Program Data
Precaution		
usable.	ssful, ECU software may be damaged and ECL the "Confirm" check box after confirming the i	
Precautions		
<before reprogramming="" starting=""> -Work preparation</before>		
1. Install the latest version of the reprogramm 2. Turn off any wireless devices such as mot	ing data to this CONSULT-III plus PC. ile phones, cordless phones, transceivers, etc	
2. Check that the screen saver is turned OFF.	II plus and DO NOT activate any other softwar Fo do this, right-click on the PC Desktop, and s select "(None)" from the Screen Saver pull-dor	elect
Operate the PC using the A/C adaptor to kk Do NOT disconnect the VI diagnosis data -Vehicle preparation Adjust the battery charger output	Step	re of 12 0V/to
13.5V. For EV, DO NOT charge output satt 2. Turn OFF all electric ments and	31 any electron pent switche	
3. DO NOT tur gnition switch/Power	switch. For EV/HEV, push por	without
depressing Confirmed instructions	tch ON". (Ready lamp in the meter p	Next
	Figure 26	

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.

G CONSULT-III plus Ver.V	14.21.00 VIN:	Vehicle : Li	EAF ZE0 2011	Country : U.S.A.		
Back Home Prin	t Screen Capture Mode	Recorded Data	12.3V VI MI			
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	10/12		
Select Program Data						
In case no reprog/program	Touch and select the reprog/programming data listed below. In case no reprog/programming data is listed below, confirm the vehicle selection, VIN and reprog/programming data in CONSULT.					
System	HV BATTERY					
Current Part Number	Part Number After Re	oro/programming	Other Information			
xxxxx-xxxxx	XXXXX-XX	1000				
XXXXX-XXXXX	XXXXX-XXX	XX XXX		(
			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:	Vehicle : LEAF ZE0 2011	Country : U.S.A.				
Back Home Print Screen Capture	Measurement Recorded Data	× 💻 📃 🔀				
Configuration	recaution Select Program Data Confirm Vehicle Condition	9/11				
Select Program Data						
-In case the screen to select reprog/program vehicle. -In case the part number after reprogrammin	Confirm the detail listed below, and touch "Next" if OK. -In case the screen to select reprog/programming data is NOT displayed, only one data is available for this vehicle. -In case the part number after reprogramming is wrong, touch "Re-select", and confirm the vehicle selection, VIN and reprog/programming data in CONSULT.					
Part Number After Repro/programming	293A0					
Current Part Number	293A0					
Vehicle	ZE0 LEAF					
VIN	JN1AZ0CPxBT xxxxxx					
System	HV BATTERY					
Other Information	Verify P/Ns	Re-select				
Expected time to finish re/programming	above, then select Next	Next				

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.

CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.		
Back Home Print Screen	Screen Capture		× 🗭 📃 🔀		
Re/programming, Configuration	Vehicle Confirmation	peration Log Selection			
Operation Log Selection					
CONSULT has the saved data related reforogramming and configuration. In case you want to write the save data from CONSULT to vehicle ECU, touch and select the data in Save data list (left side), and confirm the detail (right side). If the detail is OK, and touch "Confirm". In case you want to do other operation, touch "Other Operation".					
Saved Data List	Saved Data Detail				
JN1AZ0CP _X BT _{XXXXXX}	Operation	REPROGRAMMING			
	System	HV BATTERY			
	Part Number	293A0			
	Vehicle	Step	Delete		
	VIN	JN1AZC 33	Other		
	Saved Date	1/26/2012 8:37:38 AM	Operation		
1/1		1/1	Confirm		

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: Bettery voltage must stay between 12 volta and 15 5 volta.

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 750 0011	Country : U.S.A.
Image: Back Image: Back	Recorded Data	VI MI
Re/programming, Precaution	Select Program Data	Vehicle ion 10/11
Confirm Vehicle Condition		
Operate according to the following procedures.		Monitor 12V battery
1 Remove the terminal caps of battery, and connect batter		voltage here
2		
Adjust the battery charger output so that the vehicle bat 13.5V. The vehicle battery voltage is shown on the top-ri		
	Must be "Green" befo	re
3 Confirm the RESULT is OK, touch "Next".	selecting Ne	xt
Result OK		Next
	- 01	

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 75	0 2044	Country : U.S.A.
Back Rome Print Screen	Screen Capture	Ande	ed Contraction of the second s	🧀 🦊 🗙 12.5V VI MI	
Re/programming, Configuration	Select Progra	um Data	Confirm Vehicle Condition	Transfer	10/11
Confirm the vehicle condition as listed below, set the vehicle condition correctly. Then, confirm that judgment for all items indicate OK, and touch "Start". In case the vehicle condition is					Monitor 12V battery voltage here
Monitor Item	Value	Unit	Judgment	Condition	
BATTERY VOLTAGE	12.4	v	ок		
VEHICLE SPEED	0	km/h	ок		
PLUS SIDE MAIN RLY STATUS	Off		ок		
Step 36					
Figure 00					

Figure 32

37. Wait for both bar graphs to complete.

CONSULT-III plus Ver.V	14.11.00 VIN:	Vehicle :	LEAF ZE0 2011	Country : U	.S.A.
Back Home Prir	nt Screen Capture Mode	ert Recorded Data	12.9V VI	× •	
Re/programming, Configuration	Confirm Vehicle Condition	Transfer Data			11/11
Transfer Data					
In case the other VI is avai other vehicles by using of	ferring the data to vehicle E ailable, CONSULT-III plus is a her VI. In case you want to u selection" to select other VI. I nming" on Home screen.	vailable for other operation se CONSULT-III plus with	other VI, touch "Hon	ne'' to back to Hom	
Estimated Time	10min				
Transfer CONSULT to VI					100%
Transfer VI to ECU					40%
Į.				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 : LEAF ZE0 2011	Country : U.S.A.
Back Home Print Screen	Screen Capture	Image: Weight Heip Image: Weight Heip 12.8V VI	х — _ Х
Re/programming, Configuration	Transfer Data	nfirm Result	12/12
Confirm Result			
Reprogramming or programming is Touch "Next" to continue operation	s completed.		
		0 0 Stan	1.
		Step 38a	Next
	Figure	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 : LEAF ZE0 2011	Country : U.S.A.			
Back Rome Print Screen Capture	Messerenert Mode Recorded Data Philp 12.4V VI M	K 💻 🥅 🔀			
Configuration	nsfer Data	9/9			
Confirm Result					
Reprogramming or programming is not completed properly, but you can retry reprog/programming operation on this ECU. Touch "Retry" to retry reprogramming or programming.					
Part number after Reprog/programming	293A0				
Current Part Number	293A0				
Vehicle	ZEOLEAF				
VIN JN1AZOCP _X BTxxxxx					
System	HV BATTERY				
Date	1/26/20 xx 4:34:55 PM	Retry			
Other Information	6.26=>6.27				
Error Code	RNDS_CAN_ALL_SC003-5=NR	Print			

Figure C

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

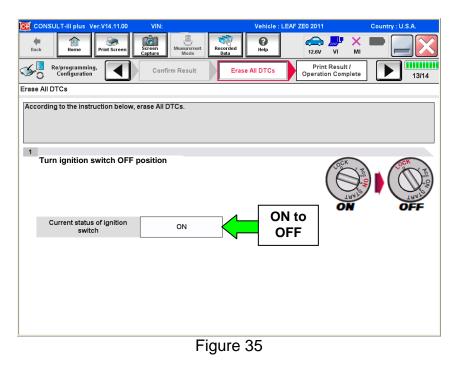
Do not disconnect plus VI or shut down Consult III plus if reprogramming does not complete.

- 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.

CONSULT-III plus Ver.V14.21.00 VIN:-	Vehicle : -	C	ountry : U.S.A.		
Back Rome Print Screen Capture	Measurement Mode	🚗 🍠 🗙 📕 12.3V VI MI	•		
Re/programming, Configuration	nsfer Data Confirm Result		2/2		
Confirm Result					
Reprogramming or programming is not com reuse anymore. Touch "Home" to back to Home Screen, repl		and impossible to			
Part number after Reprog/programming	293A0				
Current Part Number	293A0 -				
Vehicle	ZEOLEAF				
VIN	JN1AZ0CPxBTxxx	xxx			
System	HV BATTERY				
Date	1/26/20XX 4:29:18 PM				
Other Information	6.26=>6.27				
Error Code			Print		

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 Back Print Screen	Screen Capture	Recorded Data	12.6V VI MI	
Re/programming, Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	13/14
Erase All DTCs				
According to the instruction below,	erase All DTCs.			
1 ^{Tu} Turn ignition switch On Current status of ignition	position.			OFF
switch	OFF	to O	N	

Figure 36

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

CONSULT-III plus Ver.V14.1	1.00 VIN:JN1AZOC	Vehicle : LE	EAF ZE0 2011	Country : U.S.A.
Back Home Print Sci	reen Screen Capture Mode	Recorded Data	12.4V VI MI	
Re/programming, Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	13/14
Erase All DTCs				
According to the instruction	System Call			
1 Turn ignition switch to the	ERASE			
Step 39d		Cancel	94%	
				l
,	=			

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**.

CONSULT-III plus Ver.V14.11.00 VIN	: V	ehicle : LEAF ZE0 2011	Country : U.S.A.			
Back Back Print Screen Capture		Image: Weight Heip Image: Weight Heip	' 🗙 🖿 📃 🔀			
Configuration	ase All DTCs Print Re Operation C		14/14			
Print Result / Operation Complete						
All tasks are completed. Confirm LAN access, touch "Print" to print out this page. In case CONSULT carried to the second						
	itep 293/	40 -				
Reprog/programming	40 2934	40 -				
Vehicle	ZE	E0 LEAF				
VIN	JN1AZ0	CPxBT xxxxxx				
System	HV/	BATTERY Step	Print			
Date	1/11/20*	12 2:20:44 F 40a				
		Step 40c	Confirm			
		-				

Figure 38

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

G CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF	ZE0 2011	Country : U.S.A.	. r	•
Back Back Print Screen	Screen Capture	Recorded Bata	12.5V VI MI			Step 42
Re/programming, Configuration	Erase All DTCs	Print Result / Operation Complete		14/14	L	
Print Result / Operation Complete						
All tasks are completed.	Ū.			S		
In case CONSULT can No temporally storage of this Data Folder" on desk top Part number after	backing Home once. Ir	Screen is no longer show r case "Complete Operatio touch "Cancel" to back pr	n" Screen is s			
Reprog/programming						
Part number before Reprog/programming Vehicle			_			
VIN System	Home	Cancel				
System				Print		
Date		1/11/2012 2:04:13 P	M			
	Step 41		1/1	Confirm		
	Fig	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).

		JLT-III plus Ver.V14			Vehicle : -		Country : U.S.A.		
	Back	Home Print	Screen Capture	Recorded Data	() Help	13.5V VI	× • •		
	Conne	ction Status -		Di	Diagnosis Menu				
		Serial No.	Status		Diagno	sis (One S	ystem)		
Plus VI	vi vi	2300182	1						
recognized	1		Normal Mode/USB connection		Diagno	sis (All Sy	stems)		Step
	м	-	\otimes					<u>רי</u> ן ב	45
			No connection		🎸 🗧 Re/prog	gramming,	Configuration		
	8 15	0							
	10	Select VI/MI		ć	📲 Immobi	ilizer			
	Applica	tion Setting							
	SUB	Sub mode	Language Setting		🖉 Mainter	nance			
	37	VDR							
			Fi	gure	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-IT plus	Ver.V13.12.00	ns.	Valid	10+	Country : North America Common
	1. Î.	Print Larren Capt	Measurement	Second Ref.	11.W VI N	: 🗖 📃 🔀
[]	Configuratio	r 🔳 🗌	Pressutian	Vahicle Selectio	n Vehicle Confirmatio	• 🕨
This works, too	Nutomatic S	election(VIN)	Manual Sele	ction(Vehicle Name	~	
	Vehicle Name :				Madel Years	Sales Overal
	"MURANO Camp (P8201	JUKE	QUEST	Step	2012	NISSAN
	3602	LEAT		46	2011	INFINITI
	3792	MAXIMA	SENTRA	_		
	370Z Canvertible	MURANO	TITAN			
	AL TIMA	MURANO Crass Cabrialet	TITAN			
	ALTIMA Hybrid	NISSAN GT-R	VERSA Hatchback			
	ARMADA	NV	VERSA Sedan			
	CUBE	PATHFINDER	XTERRA			CLEAR
	FRONTIER	PATHFINDER ARWADA	X-TRAIL		lay display	Select
				Detect	Vehicle	General

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	Messrement Mode	-
	Re/programming, Configuration	ele Selection	
	Please confirm selected information and to to to "Change".	uch "Confirm". In case you want to select another vehicle,	
Verify	VIN or Chassis #	JN1AZOCP XXT XXXXXX	
here	Vehicle Name :	LEAF	
	Model Year	201x	
		1/1	J
		If OK, select Confirm	Confirm
		Figure 42	

49. Wait for System Call to complete.

CONSULT-III plus Ver	r.25.21 r.CSP18.11	VIN:JN1AZ0CP9E	Vehicle : LEAF ZE0 2011		Country : U.S.A.
Back Home	Drint Caroon	creen apture	Image: Weight of the second	VI MI	
Diagnosis (All Systems)	Select V	Confirm Vehicle			
Please confirm selecter touch "Change".	d information a	ind touch "Confirm". In case vi II	want to select anothe	r vehicle,	
	System ca Please wai	ll performing t			
VIN or Chassis #	_				_
Vehicle Name : Model Year	-			_	_
	-				_
				94%	
		Cancel			
					Change
					Confirm

Figure 43

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

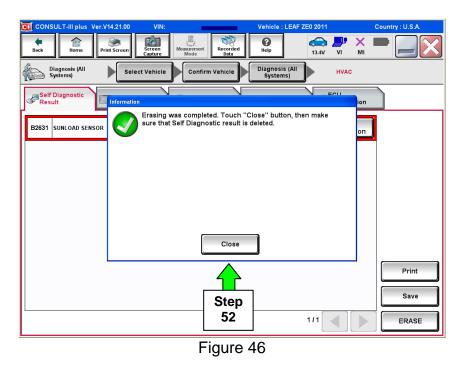
👿 OOHSULT-II plus V	er.85.97.80	VHUHIADOF	Vehicle : LEAF 2	259 2911	0	lourdry: U.S.A.
÷.	Not large		0	11.7W N	× I	🛛
Chaptools pt 1 Spatemai	. In the local	Contracts	Diagnosis (All Systems)			
S. MOTO	(CAN DIAG SUPPORT NINTR	SIRT & POTC			
Fereit		Detailed Information			_	
EVHEV	PMT	EVHEY				
		P3184 COMMUNICATION ER	non 1	FFD	DTC Explan	
TELEMATICS	INST				OTC	
ABS	100.010	U1000 CAN COMM CIRCUIT	1	770	Espier	
		TELEMATICS		· *		
METERIMAA	NO DITC	UTAOS USB COMM	PAST	PPD	DTC Esplan	
BCN	NO DOC					Print
AR BAG	NODIC					for Customer
						Print
EHSPKB	NO DITC					Save
				Step		
173	< 🕨			50	ert	ERASE
				00		
		Figure	944			

51. Select **ERASE**.

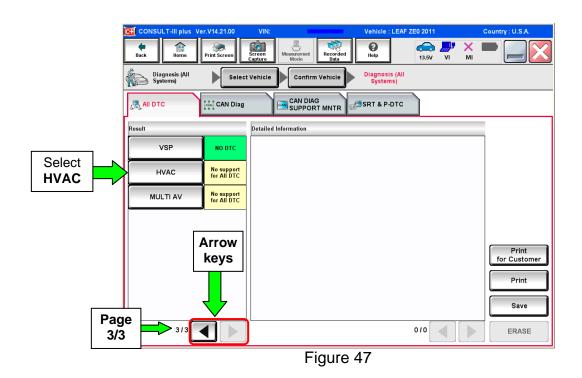
CONSULT-III plus Ver.V14.21.00	VIN: Contraction of the Contraction	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Rome Print Screen	Screen Capture		и мі 🖿 🔚 🔀
Diagnosis (All Select	Confirm Vehicle	Diagnosis (All Systems)	IVAC
Self Diagnostic Result			ion
	Erase Self-Diag memory and Free	ze Frame Data?	on
B2631 SUNLOAD SENSOR			on
B2790 HEATER PUMP COM			on
	Erase	Cancel	
			Print
	Step 51		Save
		1/1	ERASE

Figure 45

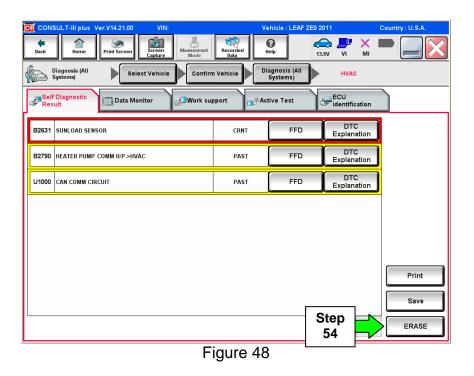
52. Select Close.



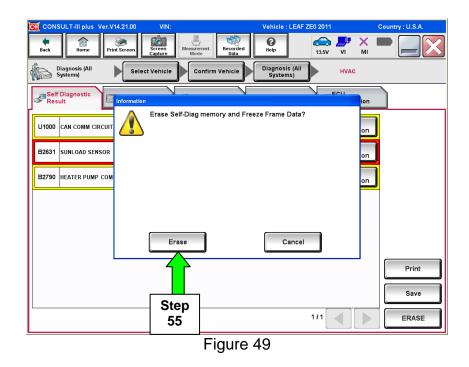
53. Using the arrow keys, select Page **3/3**, and then select **HVAC**.



54. Select ERASE.



55. Select ERASE.



56. Select Close.

CONSULT-III plus Ver.	V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Home P	rint Screen Screen Mode	rded Help	<u>м</u> Р С Х
Diagnosis (All Systems)	Select Vehicle	le Diagnosis (All Systems) HVA(C
Self Diagnostic Result	Information		ion
B2631 SUNLOAD SENSOR	sure that Self Diagnostic res	DSe	on
	St	6	Save
		1/1	ERASE
	Figu	re 50	

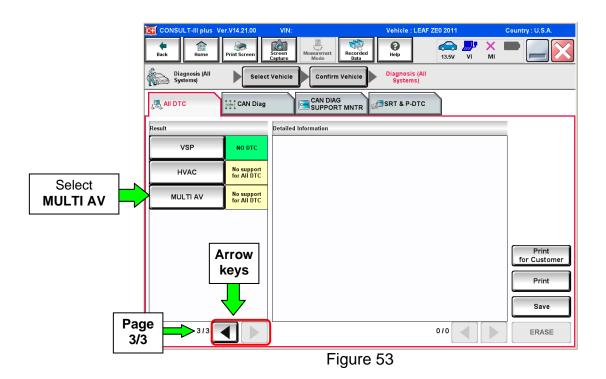
NOTE: If DTC B2631 (SUNLOAD SENSOR) sets again, this is okay.

	CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Back Image: Constraint of the constraint of	Help I3.5V VI MI	
	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 s	51	

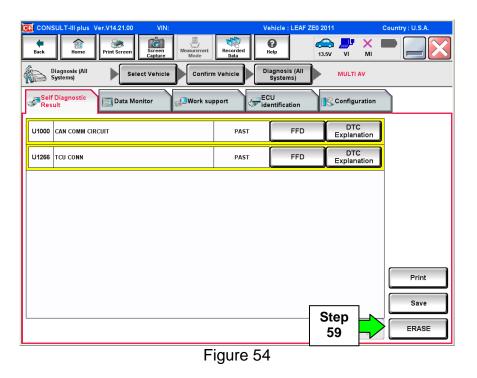
57. Select Back.

-	٦Ì	CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Step 57		Back Removed Address Removed Address Removed Address Removed Address Removed Address Removed Remov Removed Removed Rem	ecorded Data	
	-	Diagnosis (All Select Vehicle Confirm Vel	hicle Diagnosis (All Systems) HVAC	
		Self Diagnostic Data Monitor	t CU ECU	
		B2631 SUNLOAD SENSOR	CRNT FFD DTC Explanation	
				Print
				Save
			1/1	ERASE
				ERASE
	-	Fig	ure 52	

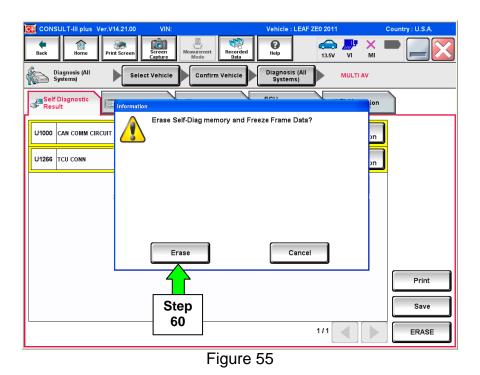
58. Using the arrow keys, go to Page **3/3**, and then select **MULTI AV**.



59. Select ERASE.



60. Select Erase.



61. Select Close.

Ctor	ONSULT-III plus	Ver.05.17.00	VIN:JN1AZ0CF	Vehicle : LEAF 2	ZE0 2011	Country : U.S.A.
Step 61a		Print Screen	Screen Capture	ied Help	13.2V VI	× • • • •
	Diagnosis (All Systems)	Select	: Vehicle Confirm Vehicle	Diagnosis (All Systems)		
	J. All DTC	Lew Information		N _		1
- ľ	Result		Erasing was completed. Tou sure that Self Diagnostic res	ich "Close" button, the ult is deleted.	en make	
	EV/HEV					27
	TELEMATICS					lan J
[ABS					lan
	METER/M&A					rC Man
	всм		Clo	se		Print
[AIR BAG	NOUIC				for Customer
	EHS/PKB	NO DTC	Ste			Save
	1/3		6		1/1	ERASE
			Figu	re 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:

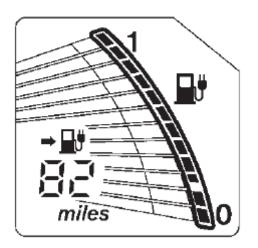
Nissan values the feedback that we receive from our owners, and we try to use your comments to improve our products. With the goal to provide the highest level of customer satisfaction, Nissan is now offering two ongoing improvements for your Nissan LEAF.

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!

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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