

Technical Bulletin

SERVICE BULLETIN

EL13-024

NTB13-069

July 12, 2013

Date:

2013 LEAF[®]; INCOMPLETE OR NO CHARGING WITH DTCs STORED

APPLIED VEHICLE: 2013 LEAF[®] (ZE0)

IF YOU CONFIRM:

The customer states the HV battery charger of an applied vehicle will not charge or will not complete charging

AND

The EV warning light is on and all of the following DTCs are found stored:

• P316C, P3170, P3171, and B29C1

NOTE: CONSULT III plus must display B29C1 with malfunction type "EVSE no signal" or "EVSE invalid signal".

ACTION:

- 1. Confirm this bulletin applies.
 - Compare the vehicle's current PDM part number to those listed in **Table A** (see page 8).
 - When CONSULT III plus displays DTC B29C1 and its malfunction type is anything other than "EVSE (no signal or invalid signal)", this bulletin does not apply. Refer to the Electronic Service Manual (ESM) for further diagnosis.
- 2. If this bulletin applies, reprogram the PDM.

CLAIMS INFORMATION

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

OPERATION	PFP	OP CODE	SYM	DIA	FRT
PDM REPROGRAMMING	(1)	JX24AA	ZE	32	0.5

(1) Refer to the electronic parts catalog (FAST) and use the Power Delivery Module assembly part number (292C0-XXXXX) as the Primary Failed Part (PFP).

IMPORTANT: The purpose of **ACTION** (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the <u>entire</u> **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

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

REPAIR OVERVIEW



SERVICE PROCEDURE

Reprogram the CHARGER / PD MODULE (On-Board Charger)

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.

- 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 VI's diagnostic cables during reprogramming.
- Do not touch the power ("ignition") switch during reprogramming.
- Do not touch any electrical switch during reprogramming.
- If these steps are not followed, the PDM may be damaged.
- 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: <u>Do not charge the High Voltage (HV) Lithium Ion battery during</u> reprogramming or vehicle component damage may occur.

NOTE: Battery voltage must stay between 12 volts and 15.5 volts or reprogramming may not start or be temporarily stopped. Returning battery voltage within the 12-15.5 volt range will resume the reprogramming procedure.

NOTE: 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 or vehicle component damage may occur.

NOTE: Make sure all 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, select **YES** to return to the screen shown in Figure 1, and then select **Re/programming, Configuration**.

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

	CONSULT-III plus Ver.V14.1	1.00 VIN:- Reen Screen Mode F	Vehicle : - Vehicle : - Vehic	Country : U.S.A.	3
	Connection Status		Diagnosis Menu		3
	Serial No.	Status	Diagnosis (C	One System)	
Plus VI is recognized	VI 2300182	Normal Mode/USB	Diagnosis (A	All Systems)	Step 6
	MI -	\otimes			
		No connection	Re/program	ming, Configuration	Step 7
	Select VI/MI		Immobilizer		
	Application Setting Sub mode	Language Setting	Maintenance	9	
	VDR]		

Figure 1

8. Check mark the box for **Confirmed Instructions**, and then select **Next**.

CONSULT-III plus Ver.V14.11.00	VIN:-	Vehicle : -		Country : U.S.A.
Back Borne Print Screen	Screen Capture Mode Recorde Data	nd Help	13.5V VI MI	
Configuration		Precaution	Vehicle Selection	
Precaution				
Operating suggestions for reprogr Please review the all of precautions touch "Next".	amming, programming and C/ , and click the "Confirm" chec	u configration: k box after confirmi	ng the its points. And	
Caution: 1. Follow the operation guide displ 2. "Back" and "Home" button may For reprogramming and program 1. Install the latest version of the C CONSULT-III plus PC. 2. Preparation and read the service For ECU Configuration 1. Need to write the configuration 2. If writing the wrong configuration Ever ECU Configuration using mark	ayed on screen. not be used on this flow. ning ONSULT-III plus sortware, repr a manual or reprogramming pu data to new ECU, after replace n data, ECU can not work. Ple	ogramming/progran rocedure sheet. it. ase write the right (nming data to this deta.	
-For ECU Configuration using man 1. Configuration data, ECU can not w 2. Operate the saving completely. D	ual mode s configuration spec, following ork. Please write the right o not short with	Step ^{rue} 8	I. If writing the wrong	
Confirmed instructions			1/1	Next
	Figu	re 2		

- 9. Select LEAF and 2013, or Automatic Selection (VIN).
 - If Automatic Selection (VIN) is selected, wait for the Reading VIN screen to complete (picture not shown).
- 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 V	IN:- Vehicle : -	Country : U.S.A.
Back Back Print Screen	Mesez ernert Mode Recorded Data Phile Help 10.6V VI	× 🖿 📃 🔀
Configuration	hicle Selection	
Please confirm selected information and touch "Change".	touch "Confirm". In case you want to select another vehicle	,
VIN or Chassis #	1N4AZ0CP*DC 4xxxxx	
Vehicle Name :	LEAF	
Model Year	201x	
	1/1	
A CONT		Change
	If OK, select	Confirm
	Commun	

Figure 4

12. Select Confirm again.

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZE0	Country : U.S.A.
Back Barre Print Screen	Screen Capture	sorded Help 10.6V	🥍 📉 💻 🤛
Re/programming, Configuration	Vehicle Confirmation	Input VIN System Se	election
Input VIN			
According to this operation, in case CONSULT, VIN number you input in Sector Sector Se	Construction that a saved as file name. There Example the same the saved as file name. There Example the same the sa	t requires to save ECU information i fore, confirm VIN number correctly.	into
VIN (17 or 18 digits) 1N4A	Z0CP*DC 4xxxx	x	
		Step 12	Confirm

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 V	IN: Vehic	e : LEAF ZEO	Country : U.S.A.
Back Carter Print Screen	Messarement Mode	10.7V VI	× ••
Ke/programming, Configuration	Input VIN System Selecti	on Operation Sele	ection 6/6
vstem Selection			
n case ⊨cU you want to operate is not li	sted below, the vehicle or model year	might be selected wro	ng.
MULTI AV	EV/HEV	П	RANSMISSION
ABS	AIR BAG		
IPDM E/R	HV BATTERY		
METER/M&A	CHARGER/PD MODULE	_ ↓	Step 13
ВСМ	HVAC		
			1/1
	E: 0		1/1

Figure 6

14. Select Reprogramming.

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle :	LEAF ZEO	Country : U.S.A.
Back Rome Print Screen	Sereen Capture	Recorded Data	10.7V VI	× •
Configuration	System Selection	Operation Selection		
Operation Selection				
Touch "Operation". In case over write current ECU, tour In case replacement of ECU, select a	ch "Reprogramming". n operation in REPLAC	CE ECU category.		
 REPROGRAMMING	In case you wan	t to reprogramming EC	11 touch "Peprogram	nmina"
Reprogramming				
Replacement OF ECU				
Programming (Blank ECU)				
Programming	In case you war Before replace I After replace EC	nt to replace ECU, you ECU, ECU data is save U, CONSULT writes EC	a should operate follo ed to CONSULT. CU data and program	owings. Iming data.
VEHICLE CONFIGURATION				
Read / Write Configuration	Manual C	Configuration	In case you has air touch "Manual Cor	eady replaced ECU, figuration".
	F	iguro 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.

Та	b	le	Α

MODEL YEAR	CURRENT CHARGER/PD MODULE PART NUMBER: 292C0-
2013 LEAF [®] (ZE0)	3NF0A, 3NF1A, 3NF2A, 3NF3A, 3NF4A, 3NF5A, 3NF6A, 3NF7A, 3NF8A, 3NF9A, 3NF2B, 3NF3B, 3NF0C, 3NF1C, 3NF2C, 3NF3C

- 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** in the table above, <u>this bulletin</u> <u>may not apply</u> or it has already been done.

	CONSULT-III plus Ver.V14.11.00	VIN	Vehicle : LEAF ZE0	Country : U.S.A.	
	Back Home Print Screen	Measurement ure Mode Recorded Data	Image: Weight Heip Image:	: 🗖 📃 🔀	
	Configuration	peration Selection	ECU Data	7/7	
	Save ECU Data				
	Touch "Save" to save operation log an Operation log helps to restart next oper after operation has completely finished.	d the current part number as ation by selecting suitable op	listed below to CONSULT, eration log. Operation log is erased		
	File Label	1N4			
	Operation	RE	REPROGRAMMING		
Vorify	System	CHARC	GER/PD MODULE		
here	Part Number		292C0-xxxxx		
	Vehicle		ZEOLEAF		
	VIN	·1N	4AZ0CP*DC xxxxxx		
	Date	XKX	If OK, select	Save	
	L				

Figure 8

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

CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle : LEAF ZE0	Country : U.S.A.
Image: Back Image: Back	Recorded Help	🟴 💥 🖿 🔜 🔀
Re/programming, Configuration Save ECU Data	Precaution Select Prog	gram Data
Precaution		
Operating suggestions: If the reprogramming/programming is unsuccessful, ECU usable. Please review the all of precautions, and click the "Confir	software may be damaged and ECU is r m" check box after confirming the its po	no longer pints.
Precautions		()
<before reprogramming="" starting=""> -Work preparation</before>		
 Install the latest version of the reprogramming data to 2. Turn off any wireless devices such as mobile phones. 	this CONSULT-III plus PC. cordless phones, transceivers, etc.	
-PC preparation		
1. Close all other software except CONSULT-III plus and	DO NOT activate any other software.	Ston
"Properties". Select the Screen Saver tab then select "(No	one)" from the Screen Saver pull-down n	Step
3. Operate the PC using the A/C adaptor to keep the batt	ery charged.	16
4. DO NOT disconnect the VI diagnosis data link cable d	uring report/programming.	
-Vehicle preparation 1. Adjust the battery charger output 12 SV For EV DO NOT element 16	the 12V battery is in the range o	if 12.0V to
2. Turn OFF all tectric ments and d	iny electron somet switches.	
3. DO NOT tu and a million switch/Power switch. For depressing are pedal to set "power switch ON". (R	EVIHEV, push por twice with Ready lamp in the meter port not	illaminate.)
C onfirmed instructions	4.2	INext
F	iaure 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>bulletin does not apply</u>, or it has already been done.

CONSULT-III plus Ver.V	/14.21.00 VIN:	Vel	hicle : LEAF ZE0	Country : U.S.A.
Back Itome Pri	int Screen Capture Mode	Recorded Data	12.3V VI	' 🗙 🖿 🔜 🔀
Configuration	Precaution	Select Progra	m Data Confirm Ve Conditio	hicle
Select Program Data				
Touch and select the rep In case no reprog/progra reprog/programming data System	prog/programming data listed i imming data is listed below, col a in CONSULT.	below. nfirm the vehicle se	lection, VIN and	
Coursed Red Number	Part Number After De		Other Informatio	
Current Part Number	Part Rumber Arter Re	pro-programming	outer informatio	
XXXXX-XXXXX XXXXX-XXXXX	XXXXX-XX XXXXX-XX	xxx xxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX XXXXX
			0/0	Next

Figure 10

- 17. The **Current Part Number** will <u>not match</u> the **Part Number After Repro/programming**. This is normal.
 - Select Next.

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF ZE0 Country : U.S.A.				
Back Home Print Screen	Sereen Capture	Recorded Data	11.0V VI	× = _ X		
Configuration	Precaution	Select Program Data	Confirm Vehi Condition	cie		
Select Program Data						
Confirm the detail listed below, and -In case the screen to select reprog/ vehicle. -In case the part number after reprog- selection, VIN and reprog/programmi	touch "Next" if OK. programming data is i gramming is wrong, to ng data in CONSULT.	NOT displayed, only one dat uch "Re-select", and confirr	a is available fo n the vehicle	r this		
Part Number After Repro/programmir	eg 🗖	292A0	\supset			
Current Part Number		292C0	>			
Vehicle		ZE0 LEAF				
VIN		1N4AZ0CP*DC	xxxxxx			
System		CHARGER/PD MOD	DULE			
Other Information		ZE0 with ASCD VCM	A	Re-select		
Expected time to finish re/programmi	ng	Verify above, select	P/Ns then Next	Next		
1	Fi	gure 11				

- 18. If the screen in Figure 12 appears, select **Delete**, **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 (on the next page) will be displayed. Proceed to step 19.

G CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF ZEO	Country : U.S.A.
Back Bome Print Screen	Screen Capture	Recorded Data	× 🖿 🔜 🔀
Configuration	Vehicle Confirmation	Operation Log Selection	
Operation Log Selection			
CONSULT has the saved data rela In case you want to write the save data list (left side), and confirm the want to do other operation, touch "	ited re/programming and data from CONSULT to detail (right side). If the Other Operation''.	nd configuration. vehicle ECU, touch and select the data in 5 e detail is OK, and touch "Confirm". In cas	Save e you
Saved Data List	Saved Data Detail		
JN1AZ0CP _X BT _{XXXXXX}	Operation	REPROGRAMMING	
	System	CHARGER/PD MODUL	E
	Part Number	292A0	
	Vehicle	LEAF	1 Delete
	VIN	1N4A	XXXX 3 Other
	Saved Date	1/26/20 Step	2 Confirm
1/1		1/1	

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 tester/charger setup, refer to page 27, **GR8 Multitasking Battery Diagnostic Station Setup**.

CAUTION: Do not charge the High Voltage (HV) Lithium Ion battery during reprogramming or vehicle component damage may occur.

NOTE: Battery voltage must stay between 12 volts and 15.5 volts or reprogramming may be temporarily stopped. Returning battery voltage within the 12-15.5 volt range will resume the reprogramming procedure.



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	l: Veł	icle : LEAF ZE0	Country : U.S.A.
Back Rime Print Screen Capture	Measurement Mode	p 12.6V VI	× = _ ×
Configuration	Precaution Select Program	n Data Control	nicle n 10/11
Confirm Vehicle Condition			
Operate according to the following procedu	Jres.	Mo	onitor 12V battery Itage bere
Remove the terminal caps of battery, and	connect battery charger to battery.		
2 Adjust the battery charger output so that 13.5V. The vehicle battery voltage is show	the vehicle battery voltage is betwee yn on the top-right of this <u>screen.</u>	en 12.0V and	
	0	K must be	
3 Confirm the RESULT is OK, touch "Next"	se se	een before lecting Next	
			Nevt
Result	ок		

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.

CONSI	JLT-III plus	/er.25.21 /er.CSP18.11_	VIN:JN	AZO		Vehicle : L	EAF ZEO		Country : U.S.A.
Back	Home	Print Screen	Screen Capture	Measurement Mode	Recorded Data	O Help	12.7V VI	× I MI	
≪ <mark>0</mark> '	e/programmin Configuration	19. 🔳	Select Pr	ogram Data	Con	firm Vehicle Condition	Transfi	$\overline{\mathbf{x}}$	10/11
Confirm Ve	hicle Condi	tion						Mo	nitor 12V
Confirm t Then, cor out of rar	he vehicle offirm that ju- ige, reprogra	condition as I dgment for all amming or pro	isted below, items indic gramming r	, set the ve ate OK, and nay stop.	hicle cond touch "St	ition correctly art''. In case ti	/. he vehicle conditi	vol	battery tage here
7. 1.	Monitor tem		Value	U	nt	Judgment	Cond	ion	1
В	ATTERY VOL	TAGE	12.8	N	'	ок			
Q/CH	G CONNECT	DETECT	DISCNCT			ок			
							Step 21		Start
5				Fi	gure	15			

22. Wait for both bar graphs to complete.



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.

CONS	ULT-III plus	Ver.V14.11.00	VIN:		8	Vehicle : LE	AF ZEO	С	ountry : U.S.A.
de Deck	Home	Print Screen	Screen Capture	Measurement. Mode	Recorded Data	() Help	🧀 🔑 12.8V VI	MI I	• 📃 🔀
%	Re/programm Configurati	ning.	Tran	sfer Data	Conf	irm Result			12/12
Confirm R	esult				100	-			
		M		M		0)		
							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

NOTE: 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 the first</u> <u>attempt and can be selected more</u> <u>than once</u>.

CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF Z	ehicle : LEAF ZE0 : Country : U.S.A.				
Home Print Screen	Green Mode Records	ed Vety	12.4V VI	× = _ X			
Configuration	Transfer Data	Confirm Result		9/9			
Confirm Result							
Reprogramming or programming is no operation on this ECU. Touch "Retry" to retry reprogramming	ot completed properly, but y or programming.	you can retry reprog/pr	ogramming	 			
Part number after Reprog/programming		292A0					
Current Part Number		292A0 -					
Vehicle		ZEOLEAF					
VIN		1N4AZ0CP*DC	xxxxxx				
System	CH	ARGER/PD MOD	JLE				
System Date	CH	IARGER/PD MOD	JLE	Retry			
System Date Other Information	CH	ARGER/PD MOD 1/26/20 xx 4:34:55 PM 6:26=>6:27	JLE	Retry			

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.

	IN:- Vehicle : -	Country : U.S.A.
Home Print Screen Capture	Memarement Mode Bata Mode Bata	VI M P
Re/programming, Configuration	Fransfer Data Confirm Result	2/2
onfirm Result		
Reprogramming or programming is not or reuse anymore. Touch "Home" to back to Home Screen, re	emprece property. ECU has been broken, and imposs epiace ECU with Service Manual.	
Part number after	20240	
Reprog/programming	292A0	
Reprog/programming Current Part Number		
Reprogiprogramming Current Part Number Vehicle	292A0 292A0 ZE0LEAF	
Reprog/programming Current Part Number Vehicle VIN	292A0 292A0 ZE0LEAF ·1N4AZ0CP*DC xxxx	
Reproglprogramming Current Part Number Vehicle VIN System	292A0 292A0 ZEOLEAF ·1N4AZ0CP*DC xxxx CHARGER/PD MODULE	XXX
Reprog/programming Current Part Number Vehicle ViN System Date	292A0 292A0 ZE0LEAF '1N4AZ0CP*DC xxxx CHARGER/PD MODULE 1/26/20xx 4:29:18 PM	
Reprog/programming Current Part Number Vehicle VIN System Date Other Information	292A0 292A0 ZE0LEAF '1N4AZ0CP*DC xxxx CHARGER/PD MODULE 1/26/20xx 4:29:18 PM 6:26=>6:27	xx

Figure B

24. Erase all DTCs:

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



- b. Wait 1 minute with the ignition OFF.
- c. Turn the "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.

CONS	ULT-III plus 1	Ver.V14.11.00	VIN:		2705	Vehicle : LEA	AF ZEO		Country : U.S.A.
H Back	Home	Print Screen	Screen Capture	searcment F	Recorded Data	() Help	🧀 🗾 12.6V VI	× X	-
50	Re/programmin Configuration	,s. 🔳	Confirm I	Result	Erase	All DTCs	Print Res Operation Co	ult / mplete	13/14
Erase All D	DTCs								
1 Turn	g to the inst the ignition t current statu swit	switch to the Of	F position.	s. DFF	•	OF to (F	E CONTRACTOR	OFF

Figure 19

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

CONSULT-III plus Ver.V14	4.11.00 VIN:JN1AZ0C	Vehicle : LEA	F ZEO	Country : U.S.A.
Back Home Print	Sereen Sereen Mode	Recorded Data	12.4V VI MI	
Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	13/14
Erase All DTCs				
According to the instruction	n System Call FRASE	Cancel	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**.

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAF	ZEO	untry : U.S.A.		
Back Home Print Screen	Screen Capture	Recorded Help	12.9V VI	× I	🔀	
Configuration	Erase All DTCs	Print Result / Operation Complete			14/14	
Print Result / Operation Complete						
All tasks are completed, Looming LA Incuse OctOULT carn OT immedia temporally storage of this page. Touc Data Folder" on desk top, and open t	N access, touch P tely access to LAN o h "Screen Capture" he folder named "So	rint to print out this page. or printer, Screen Capture fur ', and save it. Screen capture reenimages''.	nction is availat i data is in "CIII	ble for plus		
Part number after Reprog/programming	Step =	292C0-XXXXX				
Part number before Reprog/programming	25	292C0-XXXXX				
Vehicle		ZE0 LEAF				
VIN		1N4AZ0CP*DC	xxxxxx			
System		CHARGER/PD MODI	Step	-~	Print	
Date		1001120712 2124 xDXF	25a			
			Step 25c		Confirm	
		L				

Figure 21

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

CONSULT-III plus Ver.V14.11.00	VIN:	Vehicle : LEAI	F ZE0 2011	Country : U.S.A.	1	
Back Home Print Screen	Screen Capture	orded Help	🚗 🍠 X			Step 27
Re/programming, Configuration	Erase All DTCs	Print Result / Operation Complete		14/14	1	
Print Result / Operation Complete						
All tasks are completed, In case CONSULT can N temporally storage of this Data Folder" on desk top,	Atton "Complete Operation" Sci backing Home once. In ce necessary document, tou	reen is no longer show ise "Complete Operatic ch "Cancel" to back pr	n after for on" Screen is evious screen.			
Reprog/programming						
Part number before Reprog/programming Vehicle		1				
VIN	Home	Cancel				
System				Print		
Date		1/11/2012 2:04:13 F	PM			
	Step 26		1/1	Confirm		
	Fiar	110 00			-	

Figure 22

- 27. Close C-III plus by selecting "X" in Figure 22.
 - <u>Do not</u> turn off the CONSULT PC.

28. 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.

29. Open C-III plus.

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

	CONSU	ULT-III plus Ver.V14	11.00 VIN:-		Vehicle : -		Country : U.S.A.		
	H Back	Home Print S	ereen Capture Mode	nert Recorded Data	() Help	13.5V VI	× • • • ×		
	Connection Status				Diagnosis Menu				
	Serial No.	Status		Diagn					
recognized	VI	2300182	Normal Mode/US connection	B	ត Diagn	iosis (All Sys	stems)		Step
	MI _		\otimes						
		No connection			Re/programming, Configuration				
	8	Select VI/MI			Immo	bilizer			
	Applica	Application Setting							
	Sum	Sub mode	ABC Language St	etting	A Maint	enance			
	69	VDR							
					00				
				⊢igure	23				

- 31. Select LEAF and 2013, or Automatic Selection (VIN).
 - If Automatic Selection (VIN) is selected, wait for the Reading VIN screen to complete.
- 32. Select Select or Detect Vehicle, whichever displays.



Figure 24

- 33. 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 Bome Print Screen Capture	Mossarement Mode Recorded Data	: 🗖 📃 🔀
	Re/programming, Configuration	ele Selection	
	Please confirm selected information and to to to the select of the selec	uch "Confirm". In case you want to select another vehicle,	
Verify	VIN or Chassis #	1N4AZ0CPxxx xxxxxx	
nere	Vehicle Name :	LEAF	
	Model Year	201x	
		1/1	
		If OK, select Confirm	Confirm
		Figure 25	

34. Wait for System Call to complete.

CONSULT-III plus Ver	25.21 VIN:JN1AZ0CP9E.000	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Back Home	Print Screen Capture Measurement	Recorded Help 12.7V	🚚 💥 🖿 🔜 🔀
Diagnosis (All Systems)	Select Vehicle	ehicle	
Please confirm selected touch "Change".	d information and touch "Confirm". System Call	In case you want to select another	vehicle,
	System call performing Please wait		
VIN or Chassis #	_		
Vehicle Name :	_		
model fear	_		
			94%
		Cancel	
	-3		Change
			Confirm

Figure 26

- 35. If DTCs are present, select **ERASE**.
 - If no DTCs are present, skip to Step 38.

CONSULT-II plus Ve	1.16.17.10	VIENNABO	Vehicle : UBAP1	2011 2011	Cour	wy:USA
*: -			0	13.7V F	Х. П	
Dispose pt)	Contras Contras terace	Diagramm phi Byrthmai			
RAUSIC	CAN Day		BIRT & POTC	1		
-		Establed Information		- 0+		
EVINEY	PART	EWHEY		(and the second	pre 1	
TELEMATICS	INKT	P3184 COMMUNICATION ER	non 1	PPD	Explan	
		U1000 CAN COMM CROWT	1	770	DTC Explan	
ABS	HODE	TELEMATICS	10 ¹	Lot so		
METERIMAN	NUDIC	UTAGE USE COMM	PAGT	mo	DTC Explan	
804	10.010				r	Print
AR DAG	10.000					for Custome
EHSPKB	HO DTC					Print
			Г	01		ORVE

Figure 27

36. Select ERASE.

CONSULT-III plus Ver.V14.21.00	VIN:	Vehicle : LEAF ZE0 2011	Co	untry : U.S.A.
Back Borne Print Screen	Screen Capture Mode Recorded Data	Image: Weight of the second se	VI MI	• 📃 🔀
Diagnosis (All Systems)	ct Vehicle	Diagnosis (All Systems)	HVAC	
Self Diagnostic Result	N- N	N	lon	
	Erase Self-Diag memory and Free	ze Frame Data?	on	
B2631 SUNLOAD SENSOR			on	
B2790 HEATER PUMP COM			on	
	Erase	Cancel		
				Print
	Step 36			Save
		1/1	◀ ▶]	ERASE

Figure 28

37. Select Close.



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



39. Select ERASE.



40. Select ERASE.



41. Select Close.

CONS	ULT-III plus V	er.V14.21.00	VIN:		Vehicle : LEA	F ZEO 2011	Count	ry : U.S.A.
Back	Home	Print Screen	Screen Capture	Recorded Mode	() Help	13.4V VI	х 🖿	
	iagnosis (All ystems)	Selec	t Vehicle	Confirm Vehicle	Diagnosis (Al Systems)	HVA	c	
Self (Resu	Diagnostic It	Information	N	V		N EMI	ion	
B2631 1	SUNLOAD SENS	IOR	Erasing was sure that Self	Close Close Step 41	lose" button, 1 deleted.	1 / 1		Print Save ERASE
				Figure	33			

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

	G CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
	Back Image: Construction of the second	t Recorded Help 13.5V VI M	🔀
	Diagnosis (All Select Vehicle Confi	irm Vehicle Diagnosis (All Systems) HVAC	
	Self Diagnostic Data Monitor	upport Active Test	1
DTC B2631: OK	B2631 SUNLOAD SENSOR	CRNT FFD DTC Explanation	,
			Print
			Save
		1/1	ERASE
	F	Figure 34	

42. Select Back.

	CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Step 42	Back Back Print Screen Capture Mode	Recorded Data	
	Diagnosis (All Select Vehicle Confirm	m Vehicle Diagnosis (All Systems) HVAC	
	Result	pport Active Test	n
	B2631 SUNLOAD SENSOR	CRNT FFD DTC Explanation	n
			Print
			Save
		1/1	ERASE
	F	igure 35	

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



44. Select ERASE.



45. Select Erase.



Figure 38

46. Select Close.

	CONSULT-III plus Ver.05.17.00	VIN:JN1AZ0CF	Vehicle : LEAF ZE0 2011	Country : U.S.A.
Step 47a	Home Print Screen	Sereen Capture	Help 13.2V VI	× = _ X
	Diagnosis (All Systems)	lect Vehicle	Diagnosis (All Systems)	
	All DTC		-	
	Result	Erasing was completed. Touch sure that Self Diagnostic result	"Close" button, then make s deleted.	
	EV/HEV	0) 		rc
	TELEMATICS			
	ABS			alan
	METER/M&A			rC Ian
	всм	Close		Print
				Print
	EHS/PKB NO DTO	Step		Save
	1/3	46	1/1	ERASE
		– Figure	39	

- 47. 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).
- 48. 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.

NOTE: Battery voltage <u>must stay</u> between 12 volts and 15.5 volts or reprogramming may be temporarily stopped. Returning battery voltage within the 12-15.5 volt range will resume the reprogramming procedure.

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 reprogramming now.
- 14. Once **CHARGER / PD 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.