

Classification:

BR12-006

Reference:

February 8, 2013

Date:

# 2013 ALTIMA SEDAN; DTC C1197 STORED

NTB13-013

**APPLIED VEHICLE:** 2013 Altima Sedan (L33) APPLIED VINs and DATES: Vehicles built before: 1N4(\*)L3A(\* \*)DC 214030 and February 1, 2013

1N4**A**L3A(\* \*)D**N** 504676 and January 22, 2013 1N4BL3A(\* \*)DN 507630 and January 24, 2013

# **IF YOU CONFIRM:**

DTC C1197 is stored in the ABS actuator and electric unit (ABS control unit).

**NOTE:** The brake warning light may be on.

# ACTION:

- 1. Refer to page 4, step 8 in the **SERVICE PROCEDURE** to confirm this bulletin pertains to an applied vehicle that you are working on.
- 2. If this bulletin applies, reprogram the ABS control unit.

# **CLAIMS INFORMATION**

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram ABS control unit	(1)	PX68AA	HC	32	0.4

(1) Reference the repair order and use the ABS control unit part number (47660-xxxxx) written down in page 4, step 8 of the service procedure.

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

# SERVICE PROCEDURE

# **Confirm ABS Control Unit Reprogramming Applies**

**NOTE:** The following photos of C-III plus may differ slightly from those on your C-III plus screen.

- 1. Connect the CONSULT PC and the plus VI to the vehicle.
- 2. Turn the ignition switch ON.
- 3. From the CONSULT PC desktop, open C-III plus.
  - Verify the plus VI is recognized.
- 4. Select Diagnosis (All Systems).

	CONSULT-III plus Ver.V12.12.00 VII Eack Screen Frint Screen Copture	K: Vehicle:-	Country : U.S.A.	
Step 3: VI is	Connection Status          VI       Serial No.         VI       3007 m         Normal M       Normal M         MI       -         No cc       Select VI/MI         Application Setting       Image: Complexity of the setting         Sub mode       Image: Complexity of the setting	Status Status	sis (One System) sis (All Systems) gramming, Configuration lizer	Step 4

Figure 1

 If the following screen appears, select the Automatic Selection(VIN) tab OR

From the **Manual Selection(Vehicle Name)** tab, select **NISSAN, Altima**, **Model Year** (2013), and then **Select**.



Figure 2

6. Verify information is correct, and then select **Confirm**.

<u> </u>		
Back Binne Print Screen	Messerenert Mode Data	🔀
Configuration	cle Selection	
Please confirm selected information and to to to to the to to to to to the to to the to the total of total of the total of tota	uch "Confirm". In case you want to select another vehicle,	
VIN or Chassis #	1/48=4X8M121284	
Vehicle Name :	70	
Model Year	∎01 <b>■</b>	
	1/1	
		Change
	Step	Confirm
	6	
	Figure 3	

- 7. From the All DTC tab, verify there are no DTCs stored, and then select ABS.
  - If there are any DTCs other than C1197, diagnose, perform repairs, and then erase DTCs **before** continuing. Refer to ASIST for further diagnosis.

NOTE: Any DTCs other than C1197 are not covered by this bulletin.



Figure 4

- 8. When you get to the screen shown in Figure 5, confirm this bulletin applies as follows:
  - A. If the vehicle's VIN and production date were not already checked, check it now.
    - If the vehicle was built BEFORE one of the VINs and dates below, continue to step 8B.

Vehicles built <u>before</u>: 1N4(\*)L3A(\* \*)D**C** 214030 and February 1, 2013 1N4**A**L3A(\* \*)D**N** 504676 and January 22, 2013 1N4**B**L3A(\* \*)D**N** 507630 and January 24, 2013

- If the vehicle was built AFTER one of the applied VINs and dates above, this bulletin <u>does not apply</u>. Return to ASIST for further diagnostic information.
- B. Find the ABS control unit **PART NUMBER** and write it on the repair order.
   **NOTE:** This is the <u>current</u> ABS control unit Part Number (P/N).

CONSULT-II plus Ver.23.13 VIN.2	20-000110	Vehicle : LEAF ZE0 11/2010	Country: Japan
Back Rear Proof Sciences	Measurement Mode	0 NAD	📲 🔛 🔛 🔛
Diogressis (All Select Vehicle	Contirm Vehicle	Diagnosis (All Systems)	HARGER
Self Diagnostic Data Monitor	Active Test	ECU Identification	
PART NUMBER		47660-xxx	XX -

Figure 5

- C. Compare the P/N you wrote down to the numbers in the **Current ABS CU Part Number** column in **Table A** below.
  - If there is a <u>match</u>, this bulletin <u>applies</u>. Continue with the reprogramming procedure on the next page.
  - If there is <u>not a match</u>, reprogramming <u>does not apply</u>. Return to ASIST for further diagnostic information.

Table A	

Model	Current ABS CU Part Number: 47660 -		
2012 Altima Sadan	3TA2A, 3TA3A, 3TA4A, 3TA5A, 3TA7A, 3TA8A		
2013 Altima Sedan	3TA1C		

# **Reprogram ABS Control Unit**

# **IMPORTANT:** Before starting, make sure:

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

**NOTE:** The CONSULT PC automatically gets applicable reprogramming data during ASIST synchronization.

- A screen print for Warranty documentation can be done from the CONSULT PC during this process while still connected to the vehicle.
- No DTCs stored.
  - > Use C-III plus to perform Self Diagnosis for all systems.
    - See page 3, step 7.
  - If there are any DTCs other than C1197, diagnose, perform repairs, and then erase DTCs before continuing. Refer to ASIST for further diagnosis.

**NOTE:** Any DTCs other than C1197 are not covered by this bulletin.

- 1. If disconnected, reconnect the CONSULT PC and plus VI to the vehicle.
  - Make sure to use the correct VI for C-III plus (plus VI).

**CAUTION: Make** sure the plus VI is securely connected. If the plus VI connection is loose during reprogramming, the process will be interrupted and the **ABS control unit may be damaged.** 

# 2. Connect the AC Adapter to the CONSULT PC.

**CAUTION:** Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the **ABS control unit may be damaged**.

# 3. Connect a battery charger to the vehicle battery:

• Set the battery charger at a low charge rate.

**NOTE:** The GR-8 (Battery and Electrical Diagnostic Station) set to "Power Supply" mode is recommended.

**CAUTION:** Be sure the battery charger is connected securely to the battery. Make sure the battery voltage stays between <u>12.0V and 15.5V</u> during reprogramming. If the battery voltage goes out of this range during reprogramming, the **ABS control unit may be damaged**.

4. Turn off all external Bluetooth<sup>®</sup> devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI.

**CAUTION:** Make sure to turn off all external Bluetooth<sup>®</sup> devices. If Bluetooth<sup>®</sup> signal waves are within range of the CONSULT PC and the plus VI during reprogramming, reprogramming may be interrupted and the **ABS control unit may be damaged**.

5. Turn OFF all vehicle electrical loads such as exterior lights, interior lights, HVAC, blower, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc.

**IMPORTANT:** Make sure to turn OFF all vehicle electrical loads. Make sure the battery voltage stays between <u>12.0V and 15.5V</u> during reprogramming. If the battery voltage goes out of this range during reprogramming, the **ABS control unit may be damaged**.

6. From the CONSULT PC desktop, open C-III plus.

- 7. Wait for the plus VI to be recognized / connected.
  - Serial number will display when the plus VI is recognized / connected.

	💽 CONSU	LT-III plus Ver.V12	.12.00 VIN:-	Vehicle : -	Country : U.S.A.
	<b>H</b> Back	Home Print	Screen Capture	Recorded Data	11.8V VI MI
	Connec	ction Status -		Diagnosis Menu	
		Serial No.	Status	Diagnos	is (One System)
plus VI is recognized	VI	<b>2809797</b>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Disance	ic (All Systems)
	м	-	$\bigcirc$		is (All Systems)
			No connection	Re/prog	ramming, Configuration
	P.J.	Select VI/MI			izer
	Applicat	tion Setting		Mainten	ance
		VDR			
	1		F	igure 1a	

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

C	🖸 CONSU	LT-III plus Ver.V12	.12.00 VIN:-	Vehicle : -		Country :	: U.S.A.	
	<b>H</b> Back	Home Print	Screen Capture Mode	Recorded Data	11.8V VI	м С		
	Connec	ction Status -		Diagnosis M	enu			
		Serial No.	Status	Diag	nosis (One \$	System)		
	VI	<b>2808787</b>	للا کې کې Normal Mode/Wireless connection	Diag	nosis (All S	vstems)		
	м		$\otimes$			,		
			No connection	Re/p	rogramming	ı, Configura	tion	Step
	80	Select VI/MI			obilizer			
	Applicat	tion Setting	ABC Language Settin	g Main	tenance			
		VDR						

Figure 2a

- 9. Use arrows (if needed) to view and read all precautions.
- 10. Check the box confirming the precautions have been read.
- 11. Select Next.



12. If the following screen appears, select the Automatic Selection(VIN) tab OR

From the Manual Selection(Vehicle Name) tab, select NISSAN, Altima, Model Year (2013), and then Select.



13. Make sure **VIN or Chassis #** matches the vehicle's VIN.

14. If the correct VIN is displayed, select **Confirm**.

	Back         Imme         Print Screen         Screen Capture           Imme         Print Screen         Vehic           Re/programming. Configuration         Vehic           Please confirm selected information and to touch "Change".	Mode Vehicle Confirmation	
Step 13	VIN or Chassis #	J <b>R</b> 11 <b>R</b> 24 <b>R</b> H <b>R</b> A1 <b>R</b> 50 <b>R</b> 26 <b>R</b>	
	Vehicle Name :		
	Model Year	<b>D</b> 0 <b>1</b>	
		1/1	
		Step 14	Change Confirm

Figure 5a

# **IMPORTANT:**

If the screen in Figure 6a displays, select **Other Operation**, and then go to step 15.

• If this screen does not display, go to step 15.

GONSULT-III plus Ver.V12.12.00		Vehicle : INFINITI EX35 J50 2012	Country : U.S.A.	
Back Horne Print Screen	Screen apture Measurement Mode Recorded Data	Image: Weight of the second		
Re/programming, Configuration	Vehicle Confirmation	eration Log Selection		
eration Log Selection				
Lonsol I has the saved data relate n case you want to write the save da lata list (left side), and confirm the do vant to do other operation, touch "Otl	a reprogramming and comigu ta from CONSULT to vehicle EC etail (right side). If the detail is C ner Operation".	ration. 'Ul touch and select the data in Save DK, and touch "Confirm". In case you		
aved Data List	Saved Data Detail			
,則律。則律常問問語。原題	Operation	REPROGRAMMING		
	System	ENGINE -		
	Part Number	20740#1 WW318		
	Vehicle	inpinitiexs3 =	Delete	
	VIN	= JR114400HFR9B NB800664 =	Other	
	Saved Date	= 1201 1109/06 1151158:36= =	Operation	

Figure 6a

# 15. Select Confirm.

Image: Back         Image: Back <thimage: back<="" th=""> <thimage: back<="" th=""></thimage:></thimage:>	•
Re/programming, Configuration Vehicle Confirmation Input VIN System Selection	4/6
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.	
VIN (17 or 18 digits)	
Step 15	Confirm
Figure 7a	

# 16. Select ABS.

Image: Rest of the selection       Image: Rest of the selection						
ENGINE	METER/M&A	HVAC				
MULTI AV	ВСМ	TRANSMISSION				
ABS	Step 16					
IPDM E/R	EV/HEV					
HEAD LAMP LEVELIZER	AIR BAG					
		1/1				

Figure 8a

# 17. Select Reprogramming.



Figure 9a

#### 18. Select Save.

CONSOL 1-11 plus ver.v12.12.00 vin.	JN 1ET IAP 10 M9 100 14 Venicle . INP INT 11 M9501 FT 5 1 20 12	Country . O.S.A.
Back Rome Print Screen Capture	Messurement Recorded Data	-
Re/programming, Configuration	tion Selection Save ECU Data	717
Save ECU Data		
Touch "Save" to save operation log and th Operation log helps to restart next operatio 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		
Operation	<b>RHEP FIED OR ATTAININ</b> G	
System	NU NUCI NUCE I	
Part Number	<b>III:</b> 3 IIII CIIII MIIGOIII	
Vehicle	III-1705 100 FUNITU MUSSIN I	
VIN	<b>ju</b> i 1 <b>0</b> y 00 km 000 900 0004 1	
Date	₽1/#2@11=:2:# /# I Step	Save

Figure 10a

# 19. Select Next.

Back Home Print Screen Screen Capture Re/programming, Opera Save ECU Data	Messurement Mode Recorded Data Piep 11.8V VI MI tion Selection Save ECU Data	■ ■ ★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★
Operation log and ECU data (Some of ECU r "Next".	need to be saved, not all) have been saved to CONSULT. Touch	
File Label	JIN 1967 MARIE CUN 1940 COM 4 B	
Operation		
System		
Part Number		
Vehicle		
VIN	Jan 192 y Marine Conversion 0024	
Date	■1₩2₩1₩2 <b>₩1₩2</b> ₩4 <b>4</b> Step 19	Next

Figure 11a

- 20. Use arrows (if needed) to view and read all precautions.
- 21. Check the box confirming the precautions have been read.
- 22. Select Next.



Figure 12a

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

CONSOL 1-11 plus ver. v 15. 12.00 vilv.	314 1A2421 1XA1400 1204 Vehicle . 37 02 234 201	o country . 0.5.A.
Back Bone Print Screen	Messurement Mode Recorded Data	v 💵 💥 🖿 🔜 🔀
Re/programming, Configuration	recaution Select Program Data	nfirm Vehicle Condition 9/11
Select Program Data		
Confirm the detail listed below, and touch -In case the screen to select reprog/prograr vehicle. -In case the part number after reprogrammin selection, VIN and reprog/programming data	'Next" if OK. aming data is NOT displayed, only one data is av ag is wrong, touch "Re-select", and confirm the v in CONSULT.	vailable for this vehicle
Part Number After Repro/programming		
Current Part Number		
Vehicle	238, 9782	
VIN	<b>JAN 19 ZAREHEK ARM 15 81 284</b>	
System		
Other Information	■E¶E₽2E=da₹	Re-select
Expected time to finish re/programming	10min \$	Step 24 Next

Figure 13a

# NOTE:

- In some cases, more than one new part number for reprogramming is available.
  - a. In this case, the screen in Figure 14a displays.
  - b. 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 blank (no reprogramming listed), it means there is no ABS control unit reprogramming available for this vehicle.

Back	Home Pri Re/programming,	mt Screen	Screen Capture Precaution	Recorded Data	Data	1.8V VI	MI Ile	
~0	Configuration					Condition		9/11
Select P	rogram Data							
Touch In case reprog	and select the rep on reprog/progra /programming data	orog/pro mming a in CON	ogramming data listed b data is listed below, con ISULT.	elow. firm the vehicle sele	ction, VIN and	I		
	System							
	Current Part Number		Part Number After Rep	oro/programming	Other	Information		
	xxxxx-xxxx	¢	xxxxx-xxxx	( xxxx)	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxxxx	xxx	
	xxxxx-xxxx	c	XXXXX-XXXX	c xxxx	xxxxxxx	xxxxxx	xxx	
								Next
					01	0		

Figure 14a

- 25. Make sure **OK** is highlighted **green** (battery voltage must be between **12.0 and 15.5 Volts**).
- 26. Select Next.

**IMPORTANT:** Battery voltage must stay between **12.0 and 15.5 Volts** during reprogramming or ECM reprogramming may be interrupted and ECM may be damaged.

Image: Back         Image: Back <thimage: back<="" th=""> <thimage: back<="" th=""></thimage:></thimage:>	12.8V
Re/programming, Configuration Select Program Data Confirm Vehicle Condition	Transa Sata
Confirm Vehicle Condition	Monitor battery
Operate according to the following procedures.	voltage here
1 Remove the terminal case of battery and connect battery observes to battery	
Remove the terminal caps of battery, and connect battery on get to battery.	
2	
Adjust the battery charger output so that the vehicle battery voltage is between 12.0V and	Hall and the second sec
13.5V. The vehicle battery voltage is shown on the top-right of this screen	
3 Confirm the DECULT is OK south UNIonal	
Confirm the RESULT is OK, touch "Next".	
Step	
23	
	Step Next
Result OK	20

Figure 15a

**NOTE:** In the next step, the reprogramming process will begin when **Start** is selected.

# 27. Select Start.

Home Print Screen Re/programming, Configuration Confirm Vehicle Condition	Select Progra	arement Records Node and Data	ed Performance Per	13.2V V MI	
Confirm the vehicle condition as Then, confirm that judgment for all out of range, reprogramming or pro	isted below, se items indicate ogramming may	t the vehicle co OK, and touch ' stop.	ndition correctly. "Start". In case the vehi	cle conditio	Monitor battery voltage here
Monitor item	Value	Unit	Judgment	Condition	
BATTERY VOLTAGE	13.2	v	ок		
					Step 27 Start
		<b>F</b> '	40		

Figure 16a

28. Wait for both progress bars to complete.



Figure 17a

**NOTE:** If the message shown in Figure 18a appears, there is data stored in the plus VI. Select "**Yes**" to proceed with reprogramming.

and the second se
CAUTION!!
There are still data in VI. Reprogramming function cannot be executed until the data are erased. Do you want to erase data in VI?
If you do not want to erase the data, please retry Reprogramming function after uploading VI data with [DataControl] function in [SubMode].
Figure 18a

29. When the screen in Figure 19a displays, reprogramming is complete.

**NOTE:** If the screen in Figure 19a does <u>not</u> display (reprogramming does <u>not</u> complete), refer to the information on the next page.

30. Disconnect the battery charger from the vehicle.

# 31. Select Next.

00130ET-III pius Ver.V 10.12.00	VIN.ON IALALITAAMOO 1204	Vehicle . 0/02 204 2010	oounitry . 0.5.A.
Back Back Print Screen	Screen Capture	Help 12.8V VI	<u>м</u> =
Re/programming, Configuration	Transfer Data	irm Result	12/12
Confirm Result			
Reprogramming or programming is Touch "Next" to continue operation.	s completed.		
		00	
		Step 31	Next

Figure 19a

# If reprogramming does <u>not</u> complete and the "!?" symbol displays as shown in Figure 20a:

- Check battery voltage (12.0 15.5V).
- Ignition is ON, Ready Mode is OFF.
- External Bluetooth<sup>®</sup> devices are OFF.
- All electrical loads are OFF.
- Select <u>Retry</u> and follow the on screen instructions.

**NOTE**: Retry may not go through on first attempt and can be selected more than once.

CONSULT-III plus Ver.V14.21.00 VIN:	Vehicle : LEAF ZE0 2011	Country : U.S.A.					
Back Borne Print Screen Capture	Messermet Mode Data	-					
Configuration	Insfer 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	283B0						
Current Part Number	283B0						
Vehicle	ZEOLEAF						
VIN	JN1AZ0CP <sub>X</sub> BTxxxxxx						
System	THEEMATICS						
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 20a

# If reprogramming does <u>not</u> complete and the "X" symbol displays as shown in Figure 21a:

- Do not disconnect the plus VI or shut down C-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 : -	Country : U.S.A.						
Back Home Print Screen Capture	Measurement Mode Recorded Data	! 💥 💻 🦲 🔀						
Re/programming, Configuration	Confirm Result	2/2						
Confirm Result								
Reprogramming or programming is not con reuse anymore. Touch "Home" to back to Home Screen, rep	npleted properly. ECU has been broken, and impossible lace ECU with Service Manual.							
Part number after Reprog/programming	283B0							
Current Part Number	283B0-							
Vehicle	ZEOLEAF							
VIN	JN1AZ0CPxBTxxxxxx							
System	XEQUINITEDOX							
Date	1/26/20XX 4:29:18 PM							
Other Information	6.26=>6.27							
Error Code		Print						

Figure 21a

If the screen in Figure 22a displays, select Home, and then select Trouble Diagnosis.



Figure 22a

# 32. Erase all DTCs as follows:

- a. Turn the ignition OFF.
- b. Turn the Ignition ON.
- c. Wait for DTC erase to complete.

<b>Back</b>	Home	Print Screen	Screen Capture	Measurement Mode	Recorded Data	e Help	13.6V	vi	× MI	
<b>\$</b> 0	Re/programmin Configuration	,	Confirm up E	ation Start Engine	Eras	e All DTCs	Pri Operat	nt Result ion Comp	/ lete	17/18
Erase All	DTCs									
Accord	ing to the instr	uction below,	erase All D	TCs.						
1										
Tur	rn ignition switc	h to the ON po	sition, then	All DTCs are a	automaticall	y erased.				LUVIE DN
	Current status switc	of ignition h		ON						
		Turn i	ignitio	on ON	> 0F	F > 0I	N			

Figure 23a

33. Verify the before and after part numbers are different.

34. Print a copy of this screen (Figure 24a) and attach it to the repair order.

#### 35. Select Confirm.

Back Home Print Screen Capture	Measurement Mode Recorded Data Performance Performanc	← ₩ × I 14.3V VI MI	-					
Configuration	se All DTCs Print Result / Operation Complete		18/18					
Print Result / Operation Complete								
All tasks are completed. Confirm LAN access, touch "Print" to print out this page. In case CONSULT can NOT 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	tep 267 0-16.028							
Part number before Reprog/programming	33 2674 (9-14E.J2 B)							
Vehicle	ZQ4%7%Z							
VIN	<b>UNIXABL4 BHK/AU//SO 10284</b> B							
System	BINISIME	Step	Print					
Date	mi 1mi3/mi0.mi1 mi: 1m0.mi1 miA/min m							
	1	Step 35	Confirm					

Figure 24a

**NOTE:** If you can not print the above screen:

- a. Select Screen Capture.
- b. Name the file.
- c. Save the file in My Documents.
  - A copy of the screen is now saved in the CONSULT PC. It can be retrieved and printed at a later time.

36. Close C-III plus.

- 37. Turn the ignition OFF.
- 38. Disconnect the plus VI from the vehicle.