

### **RECALL CAMPAIGN BULLETIN**

Reference: NTB16-073 Date: July 28, 2016

### VOLUNTARY EMISSIONS RECALL CAMPAIGN ECM REPROGRAMMING

CAMPAIGN ID #: R1620

APPLIED VEHICLES: 2015-2016 Altima (L33) – VQ35DE engine only 2015-2016 Juke (F15) – Does <u>not</u> include NISMO RS 2016 Maxima (A36) 2015-2016 Murano (Z52) – Does <u>not</u> include Murano Hybrid 2015-2016 Pathfinder (R52) – Does <u>not</u> include Pathfinder Hybrid 2015-2016 Quest (E52)

#### Check Service COMM to confirm campaign eligibility.

#### INTRODUCTION

Nissan is conducting a Voluntary Emission Recall Campaign on certain Model Year 2015-2016 Altima, 2015-2016 Juke, 2016 Maxima, 2015-2016 Murano, 2015-2016 Quest, and 2015-2016 Pathfinder vehicles. Nissan has discovered that these vehicles are equipped with an On-Board Diagnostics (OBD) calibration that, if not repaired, may not detect a rear oxygen (O2) sensor short-to-ground or short-to-battery condition. The ECM (Engine Control Module) will be reprogrammed. This service will be performed at no charge for parts or labor.

#### **IDENTIFICATION NUMBER**

Nissan has assigned identification number R1620 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

#### DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service Comm for the campaign status on each vehicle falling within the range of this voluntary emissions recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) 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.

#### **Attention California Dealers:**

<u>California law prohibits owners from renewing their California registration if emissions</u> <u>related recall work has not been performed</u>. California dealers are now required to issue a proof of correction certificate to vehicle owners upon completion of emission related recall work. Please fill out one of the campaign completion forms for each owner that has this campaign performed. Instruct owners to keep this certificate unless they are requested to mail it to the DMV. A sample of the form is shown below.

	Vehicle Emission Recall - Proof of Correction					
[	License Number	Make	Year Model	Body Typ <del>e</del>		]
	Manufacturer Recall Number The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws					
	Dealer's Address, City, State					
	Dealership's Authorized					
	X					
	Return this certificate to DMV only when required - otherwise retain for your records.					

Figure A

In addition, an Emission Recall Campaign Completion Label must be filled out and attached to the underside of the vehicle hood. A sample of the label is shown below.

NISSAN MOT	OR CORPORATION		
AUTHORIZED	MODIFICATIONS		
THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:			
THESE MODIFICA AS APPROP	ATIONS HAVE BEEN APPROVED PRIATE BY EPA AND CARB		
DEALER CODE:	DATE:		
CHANGE AUTHORITY:	NIS-UHL-16		

Figure B

#### NOTE:

- These forms (item number **CAEMRC-5-13**) and labels (item number **NIS-UHL-16**) are available from Nissan Publications (1-800-247-5321) at no charge.
- When either item (form or label) is ordered, you will automatically receive the other item as well.

#### SERVICE PROCEDURE

#### Reprogram the ECM

#### NOTE:

- Most instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.
- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
  - Engine coolant temperature: 70 -100°C (158 - 212°F)
  - Battery voltage: More than 12.9V (At idle)
  - Transmission: Warmed up
- After reprogramming is complete, you will be required to perform Idle Air Volume Learn. The above condition are required for Idle Air Volume Learn to complete.



Figure 1

#### CAUTION:

 Connect the GR8\* to the 12V battery and select ECM Power Supply Mode.
 If the vehicle battery voltage drops below 12.0V or above 15.5V during

If the vehicle battery voltage drops below <u>12.0V or above 15.5V</u> during reprogramming, <u>the ECM may be damaged</u>.

- Be sure to turn OFF all vehicle electrical loads.
   If a vehicle electrical load remains ON, <u>the ECM may be damaged</u>.
- Be sure to connect the AC Adapter.
   If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the ECM may be damaged.
- Turn off all external Bluetooth<sup>®</sup> devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth<sup>®</sup> signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and <u>the ECM may be damaged</u>.

\*The GR8 must be used for this procedure.

- 1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.
- 2. Start C-III plus.
- 3. Wait for the plus VI to be recognized.
  - The serial number will display when the plus VI is recognized.
- 4. Select Re/programming, Configuration.

	CONSOL I-III plus Ver. V 12.	12.00 ¥IIN.=	venicie	Country . O.S.A.	
	Back Home Print S	creen Sereen Capture Mode Recor	rded a	× •• •• ••	
	Connection Status -		Diagnosis Menu		
VLia	Serial No.	Status	Diagnosis (One S	ystem)	
recognized	VI 2300727				
		Normal Mode/Wireless connection	Diagnosis (All Sys	stems)	
	мі -	$\otimes$			
		No connection	Re/programming,	Configuration	Step 4
	Select VI/MI		Immobilizer		
	Application Setting	Language Setting	Maintenance		
	VDR				

Figure 2

- 5. Use arrows (if needed) to view and read all precautions.
- 6. Check the box confirming the precautions have been read.
- 7. Select Next.



Figure 3

- 8. Select Nissan, Vehicle Name, and then the correct Model Year.
  - If the screen in Figure 4 does not display, skip to step 9.

	Back Home Home Re/programm Configuration	Print Screen Captu	nre Measurement Re	Vehicle Selection	Vehicle Confirmation	
	Automatic S	election(VIN)	Manual Select	ion(Vehicle Name)	$\mathbf{)}$	
Step	Vehicle Name :				Model Year :	Sales Channel
	*MURANO Camp:P8201	JUKE	QUEST			NISSAN
	350Z	LEAF	ROGUE		Sten	INFINITI
	370Z	MAXIMA	SENTRA		8	
	370Z Convertible	ми	N			
	ALTIMA		npie			
	ALTIMA Hybrid	NISSAN GT-R	VERSA Hatchback			
	ARMADA	NV	VERSA Sedan			
	CUBE	PATHFINDER	XTERRA			CLEAR
	FRONTIER	PATHFINDER ARMADA	X-TRAIL			Calaat
					010	Select

Figure 4

9. Make sure **VIN or Chassis #** matches the vehicle VIN.

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

	Back         Image: Configuration         Image: Configuration         Vehic           Print Screen         Scree	Messerenet Mode Website Recorded Data Website Help Messerenet Help Messerenet Net Help Messerenet Net Help Messerenet Net Net Net Net Net Net Net N	
Step 9 Verify here	VIN or Chassis #		
	Vehicle Name : Model Year	E C D	
		1/1	
		Step 10	Change Confirm

Figure 5

11. Select Confirm.

Image: Back         Image: Back	•
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 11	Confirm

Figure 6

#### 12. Select ENGINE.

Back Imme Print Screen Capture Home Print Screen Capture Configuration System Selection Touch "system".	Measurement Mode Recorded Help Input VIN System Selection	Operation Selection				
In case ECU you want to operate is not listed below, the vehicle or model year might be selected wrong.						
ENGINE	METER/M&A	HVAC				
MULTI AV	12 <sup>M</sup>	TRANSMISSION				
ABS	CAN GATEWAY					
IPDM E/R	EV/HEV					
HEAD LAMP LEVELIZER	AIR BAG	1				
		1/1				

Figure 7

### 13. Select Reprogramming.

	Back     Print Screen     Screen     Messarement     Recorded     Print Screen     Messarement       Back     Re/programming,     System Selection     Operation Selection     66
	Operation Selection
	Touch "Operation". In case over write current ECU, touch "Reprogramming". In case replacement of ECU, select an operation in REPLACE ECU category.
Step 13	REPROGRAMMING In case you want to reprogramming ECU, touch "Reprogramming". Reprogramming
	Replacement OF ECU
	Programming (Blank ECU)
	Programming After replace ECU, CONSULT writes ECU data is aswed to CONSULT. After replace ECU, CONSULT writes ECU data and programming data.
	Read / Write       In case you has already replaced ECU, touch "Manual Configuration".         Configuration       Manual Configuration

Figure 8

14. When you get to the screen shown in Figure 9, confirm this bulletin applies as follows.

a. Find the ECM **Part Number** and write it on the repair order.

**NOTE:** This is the <u>current</u> ECM Part Number (P/N).

	remore.	oounity . 0.0.1.			
Back Rome Print Screen Capture	Messurement Mode Data 00 Help 11.8V VI MI				
Configuration	tion Selection	717			
Save ECU Data					
Touch "Save" to save operation log and the current part number as listed below to CONSULT. Operation log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.					
File Label	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
Operation	REPROGRAMMING				
System 14a: Current ECM P/N ENGINE					
Part Number 23710					
Vehicle xxxxxxxxxxxxxx					
VIN	×>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>				
Date	11/1/201× 1:22:16 AM	Save			
<u> </u>	Figure 9				

- b. Compare the P/N you wrote down to the numbers in the **Current ECM Part Number** column in **Table A** on the next page.
  - If there is a match, continue with the reprogramming procedure. Proceed to step 15.
  - If there is <u>not a match</u>, reprogramming is not needed. Proceed to **CLAIMS INFORMATION** section for "Does Not Require Reprogram".

#### Table A

MODEL	CURRENT ECM PART NUMBER: 23710-
2015-2016 Altima	9HP6A, 9HP6B, 9HP6C 9HP7A, 9HP7B, 9HP7C
2015-2016 Juke	3PT1A, 3PT1B, 3PT1C 3PT2A, 3PT2B, 3PT2C 3PT3A, 3PT3B, 3PT3C 3PT4A, 3PT4B, 3PT4C 3PT5A, 3PT5B, 3PT5C 3PT6A, 3PT6B, 3PT6C 4DT2A, 4DT2B, 4DT2C 4DT3A, 4DT3B, 4DT3C 4DT4A, 4DT4B, 4DT4C 4DT5A, 4DT5B, 4DT5C 4DT0A, 4DT0B, 4DT0C, 4DT0D 4DT1A, 4DT1B, 4DT1C, 4DT1D 3YM4A, 3YM4B, 3YM4C, 3YM4D, 3YM4E 3YM5A, 3YM5B, 3YM5C, 3YM5D, 3YM5E 3YM6A, 3YM6B, 3YM6C, 3YM6D, 3YM6E 3YM7A, 3YM7B, 3YM7C, 3YM7D, 3YM7E 3YM2A, 3YM2B, 3YM2C, 3YM2D, 3YM3E
2016 Maxima	4RA0A, 4RA1A, 4RA2A 4RA1B, 4RA2B, 4RA0E
2015-2016 Murano	5AA0A, 5AA0B, 5AA0C 5AA3A, 5AA3B, 5AA3C 5AA4A, 5AA4B, 5AA4C 5AA5A, 5AA5B, 5AA5C
2015-2016 Pathfinder	9PB0A, 9PB0B, 9PB0C 9PB1A, 9PB1B, 9PB1C
2015-2016 Quest	4AY0A, 6AX0A

#### 15. Select Save.

Back Rome Print Screen Capture	Messurement Mode Recorded Data	VI MI				
Re/programming, Configuration	tion Selection Save ECU Data	7/7				
Save ECU Data						
Touch "Save" to save operation log and the current part number as listed below to CONSULT. Operation log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.						
File Label	J #1 871 #P #C N#01#D 1#					
Operation	R SPHEDORASMININ S					
System						
Part Number	<b>18</b> 7 <b>₽</b> )- <b>₽</b> /( <b>30</b> )/₽					
Vehicle	¶y¶ii¶Fi¶t¶M36h∎ I					
VIN	J <b>₽</b> 1₽71₽₽₽₽1₽01₽					
Date	11/1/2011 1:22:16 AM	Step				

Figure 10

#### 16. Select Next.

		· · · ·
Back Rome Print Screen	Measurement Mode Data Q Help 11.8V VI MI	
Re/programming, Configuration	tion Selection Save ECU Data	717
Save ECU Data		
Operation log and ECU data (Some of ECU n ''Next''.	need to be saved, not all) have been saved to CONSULT. Touch	
File Label	an teyna de chashoon 40	
Operation		
System		
Part Number	2 <b>2</b> 7 <b>12 - 12</b> 1 (2 <b>2</b> A <b>2</b>	
Vehicle		
VIN	J <b>ì≣ E≣1,₽°1€\№</b> 1@)1 <b>8</b>	
Date	11/1/2011 1:22:40 AM Step	Next
	16/	

Figure 11

- 17. Use arrows (if needed) to view and read all precautions.
- 18. Check the box confirming the precautions have been read.
- 19. Select Next.

		Venicle . 3702 234 2010	Country . 0.3.A.
	Image: Back         Image: Back	Ор         Ор         Х           Help         12.1V         VI         MI	
	Re/programming, Configuration	caution Select Program Data	8/11
	Precaution		
	Operating suggestions: If the reprogramming/programming is unsuccessful, ECU software ma usable. Please review the all of precautions, and click the "Confirm" check bo	y be damaged and ECU is no longer x after confirming the its points.	
	4. DO NOT set the A/C timer or A/C remote control system.		
	<during reprogramming=""> Never touch the CONSULT-III plus components to prevent cable disc Never depress the brake pedal or turn the steering wheel. Never open each door or trunk rid.</during>	connection.	
Step		Step 17	
18			Next Step
2	Confirmed instructions	2/2	
	Figure 1	2	

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

	Venicle . 5702 25	+ 2010	Country . O.S.A.					
Measurement Mode	<b>O</b> Help	← ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	× • • • •					
recaution	Program Data	Confirm Vehicle Condition	9/11					
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.								
	$\frown$		Step 20					
	28710-1EJE		These numbers					
		•	different					
	<b>Z</b> 34 070Z							
<b>""</b> N1	<b>LZUEH KAU15 12 4</b>							
	<b>₽</b> 11 <b>€</b> J <b>₽</b> E. <b>Q</b> at∎		Re-select					
	10min	Step	Next					
		21						
	Next" if OK.  Next" if OK.  Inming data is NOT display  in CONSULT.	Next" if OK. nming data is NOT displayed, only one data recaution Select Program Data "Next" if OK. nming data is NOT displayed, only one data ng is wrong, touch "Re-select", and confirm to in CONSULT. 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 277-EJEI 278-F32- BITE Intel Conversion of the conversion	Image: control of the control of th					

Figure 13

#### NOTE:

- In some cases, more than one new P/N for reprogramming is available.
  - > In this case, the screen in Figure 14 displays.
  - Select and use the reprogramming option that <u>does not</u> have the message "Caution! Use ONLY with NTBXX-XXX".
- If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle. Close C-III plus and refer back to ASIST for further diagnosis.

Back Re/programming, Configuration Select Program Data Touch and select the reprint In case no reprog/program	t Screen t Screen Capture Measurement Mode Measurement Mode Measurement Mode Measurement Mode	Recorded Data	Data Confi Confi Co	VI MI	9/11			
System	reprog/programming data in CONSULT.       System       ENSIRE       Current Part Number       Part Number After Repro/programming       Other Information							
xxxxx-xxxxx xxxxx-xxxxx	xxxxx-xxxxx xxxxx-xxxxx	XXXXXXX XXXXXXX	(XXXXXXXXXX (XXXXXXXXXXX	xxxxx xxxxx				
			0/0		Next			

Figure 14

- 22. Make sure **OK** is highlighted **green** (battery voltage must be between **12.0 and 15.5 Volts**).
- 23. 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 MI
Re/programming, Configuration Select Program Data Confirm Vehicle Condition	Trans Data 10/11
Confirm Vehicle Condition	Monitor battery
Operate according to the following procedures.	voltage here
1	
Remove the terminal caps of battery, and connect battery charger to battery.	
2	
Adjust the battery charger output so that the vehicle battery voltage is between 12.0V and	A Alexandre
13.5V. The vehicle battery voltage is shown on the top-right of this screen	
3 Confirm the DECLI T is OK touch "Next"	
Step 22	
	Step Next
Result OK	
a	

Figure 15

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

#### 24. Select Start.

Back       Image: Configuration       Image: Configur								
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 out of range, reprogramming or programming may stop.								
Monitor item Value Unit Judgment Consition								
BATTERY VOLTAGE 13.2 V OK								
BATTERY VOLTAGE 13.2 V OK								

Figure 16

25. Wait for both progress bars to complete.



Figure 17

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

 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 18

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

**NOTE:** If the screen in Figure 19 does <u>not</u> display (indicating that reprogramming did <u>not</u> complete), refer to the information on page 16.

- 27. Disconnect the battery charger from the vehicle.
- 28. Select Next.



Figure 19

#### NOTE:

- In the next steps, starting on page 17, you will perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.
- These operations are required before C-III plus will provide the final reprogramming confirmation report.

#### ECM recovery:

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

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

- Check battery voltage (12.0–15.5 V).
- Ignition is ON, engine OFF.
- External Bluetooth<sup>®</sup> devices are OFF.
- All electrical loads are OFF.
- Select <u>retry</u> and follow the on screen instructions.
- <u>"Retry" may not go through on</u> <u>first attempt and can be</u> <u>selected more than once</u>.

	VIN	Vaticle		Ecuntry : Jacon
Back Hone Print Screen	itean Mode	artheo Help	12.7V VI MI	-
sonigiation	Transfer Data	Corfirm Resul		13/13
Confirm Result				
Reprogramming or programming is not operation on this ECU. Touch "Retry" to letty reprogramming of	completed propertly, but ir programming.	you can retry reprog/	programming	R
Part number after Reprogramming		284B2-XXXX	x	
Part number before Reprog/programming		284B2-XXXX	x	
Vehicle		QASHQAI		
VIN		SJNFONJ10010	0000	
System		SJNFONJ10010 BCM	0000	
VIN System Date		BCM 25/07/2011 16:3	0.00	Retry
VIN System Date Error Code		SJNFGNJ10010 BCM 25/07/2011 163	0.00	Retry

Figure 20

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

- Check battery voltage (12.0 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF.
- Transmission is in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select <u>Home</u>, and restart the reprogram procedure from the beginning.

CONSULT-ILBUS Wr	VIN	Vehicle (QASHQAI	County : Japan
Bark Hone Print Screen	Consen	Restricted Help 65.70	💭 💥 🖿 🛄 🔀
Relprogramiag.	Transfer Data	Confirm Result	99
onfirm Result			
Reprogramming is not completed prog Print this screen as needed. Confirm with procedure. -Restart CONSULT with disconnecting	perfy CONSULT version, IG g VI once, and start the	N/Power switch position, shift position reprogramming again.	on and etc
Part number after Reprog/programming		284B2-XXXXX	
Part, number atter Reprog/programming Current part number		28482-XXXXX 28482-XXXXX	
rain number alter Reprog/programming Current part number Vehicle	-	284E2-XXXXX 284E2-XXXXX QASHQAI	
rain number alter Reprog/programming Current part number Vahicle		28482-XXXXX 28482-XXXXX QASHQAI SJNFDNJ10U100000	
rain number alter Reprograpogramming Current part number Vehicle VIN System		28482-XXXXX 28482-XXXXX QASHQAI 6_INFDNJ10U100000 BCM	
Pain number alter Reprog/programming Current part number Vahicle VIN System Date		28482-XXXXX 28482-XXXXX QASHQAI SUNFDNJ19U100000 BCM 25/07/2011 16:30:00	
rain number alter Reprog/programming Current part number Vahicle VIN System Date		28482-XXXXX 28482-XXXXX QASHQAI SUNFDNJ150100000 BCM 29/07/291116:30:00	

Figure 21

29. Perform Throttle Valve Closed Position procedure.

• Follow the on-screen instructions (1, 2, and 3) to complete the procedure.

		Image: Back       Image: Back	13/16
	Tł	hrottle Valve Closed Position	
ſ		Operate according to the following procedures.	
	1	1 Make sure that accelerator pedal is fully released, turn ignition ON, and turn ignition OFF. And then the count down of 10 seconds starts.	
Ston		Current status of ignition switch ON	
29		Time	
		2 Make sure that throttle valve moves during count down of 10 seconds by confirming the operating sound	
	4'	Touch "Next" to go to next operation.	
			Next
		<b>E</b> ; 00	

Figure 22

- 30. Perform Idle Air Volume Learn (IAVL).
  - a. Turn the ignition ON and let the engine idle.
  - b. Select Next.

Back Binne Print Screen Scre Home Print Screen Thr Configuration Thr	rottle Valve Close Position	Recorded Data	Help ir Volume arning	Accelerator Per Closed Positio	dal	14/16
Idle Air Volume Learning THIS FUNCTION ALLOWS THE ECM TO PROPER ENGINE SPEED AT IDLE. ALWAYS PERFORM THIS MODE AFTER WHEN IDLE SPEED OR IGNITION TIMIN SEE SERVICE MANUAL FOR DETAILS.	LEARN THE PO REPLACEMENT G IS OUT OF SP	SITION OF THI F OF IACV-AAC ECIFICATION.	E IACV-AAC WH	HICH MAINTAINS		Next
Current status			Wait	ing for your opera	ation	Step 30b
ENG SPEED				rpm		

Figure 23

- c. Select Start.
- d. Wait for IAVL to complete.

Back Home Print Screen	creen pture	Recorded Data	14.7V VI	× = _ X				
Re/programming, Configuration	hrottle Valve Closed Position	Idle Air Volume Learning	Accelerator Pe Closed Positio	dal on 14/16				
Idle Air Volume Learning								
THIS FUNCTION ALLOWS THE ECM TO PROPER ENGINE SPEED AT IDLE. ALWAYS PERFORM THIS MODE AFTE! WHEN IDLE SPEED OR IGNITION TIMI SEE SERVICE MANUAL FOR DETAILS	THIS FUNCTION ALLOWS THE ECM TO LEARN THE POSITION OF THE IACV-AAC WHICH MAINTAINS PROPER ENGINE SPEED AT IDLE. ALWAYS PERFORM THIS MODE AFTER REPLACEMENT OF IACV-AAC VALVE, THROTTLE BODY, ECM OR WHEN IDLE SPEED OR IGNITION TIMING IS OUT OF SPECIFICATION. SEE SERVICE MANUAL FOR DETAILS							
			1/2					
Current status		v	Vaiting for your oper	ation Step				
Monitor Item				30c				
ENG SPEED			1175 rpm					

Figure 24

#### NOTE:

- Listed below are common required conditions for IAVL to complete.
- If IAVL does not complete within a few minutes, a condition may be out of range.
- Refer to the appropriate Electronic Service Manual (ESM) for specific conditions required for the vehicle you are working on.
  - Engine coolant temperature: 70 100° C (158 212°F)
  - Battery voltage: More than 12.9V (At idle)
  - Selector lever: P or N
  - > Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
  - > Steering wheel: Neutral (Straight-ahead position)
  - Vehicle speed: Stopped
  - Transmission: Warmed up

e. Select Next.

Back Back Print Screen	reen pture Mode	nt Recorded Data	e Help	14.2V VI	м	' <u> </u>
Re/programming, Configuration	hrottle Valve Clos Position	ed Idle /	Air Volume earning	Accelerator P Closed Posit	edal ion	14/16
dle Air Volume Learning						
THIS FUNCTION ALLOWS THE ECM TI PROPER ENGINE SPEED AT IDLE. ALWAYS PERFORM THIS MODE AFTE WHEN IDLE SPEED OR IGNITION TIMI SEE SERVICE MANUAL FOR DETAILS	D LEARN THE PO R REPLACEMEN NG IS OUT OF S	DSITION OF TH	E IACV-AAC WHII C VALVE, THROT	CH MAINTAINS TLE BODY, ECI	MOR	Retry
				1/2		
Current status				CON	MPLETE	
Monitor Item						
ENG SPEED			638	3 rpm		
				Step 30e		, Next

Figure 25

31. Follow the on screen instructions to complete **Accelerator Pedal Close Position** Learning.



Figure 26

#### 32. Erase all DTCs as follows:

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

Back	Home	Print Screen	Screen Capture	t Recorded Data	P Help	13.6V		-		
<b>\$</b> 0	Re/programmin Configuration	g,	Confirmation Star up Engine	Era	se All DTCs	Prin Operatio	t Result / on Complete	17/18		
Erase All										
According to the instruction below, erase All DTCs.										
1										
Turr	n ignition switc	h to the ON pos	ition, then All DTCs a	re automatical	ly erased.		OFF			
	Current status	s of ignition	ON							
	50010		•							
	<b></b>									
	Turn ignition ON > OFF > ON									

Figure 27

- 33. Verify the before and after part numbers are different.
- 34. Print a copy of this screen (Figure 28) and attach it to the repair order for warranty documentation.
- 35. Select Confirm.

Back Borne Print Screen Capture	Measurement Mode	🚓 🏴 🗙 🖿 📃 🔀								
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 "CIII plus Data Folder" on desk top, and open the folder named "ScreenImages".										
Part number after Reprog/programming	Step 23710									
Part number before Reprog/programming	33 23710									
Vehicle	*****									
VIN	*****									
System	ENGINE	Step								
Date	11 <i>/3/</i> 201× 2:10:21 AM									
		Step 35 Confirm								

Figure 28

**NOTE:** If you cannot 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.

#### **CLAIMS INFORMATION**

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Campaign ("CM") ID	DESCRIPTION	OP CODE	FRT
<b>B</b> 4000	Reprogram ECM	R16200	0.5
R1620	Does Not Require Reprogram	R16201	0.3

#### Submit a Campaign (CM) line claim using the following claims coding: