

SERVICE BULLETIN

Classification: EL16-034 Reference: ITB16-036 COPYRIGHT© NISSAN NORTH AMERICA, INC. Date:

September 16, 2016

2017 QX30; ELECTRONIC CONTROL UNIT CONFIGURATION

APPLIED VEHICLES:

2017 QX30 (H15)

SERVICE INFORMATION

If an Air Bag Diagnosis Sensor Unit, Engine Control Module, or Transmission Control Module is replaced and the configuration of the old unit could not be saved, use the Service Procedure in this bulletin to:

- Load the VIN specific configuration file from your electronic parts catalog (FAST or equivalent) onto a portable USB storage device (thumb drive).
- Plug the thumb drive into your CONSULT PC.
- Configure the new Air Bag Diagnosis Sensor Unit, Engine Control Module, or Transmission Control Module using the file that you loaded onto the thumb drive.

Infiniti 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 Infiniti retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

Obtain VIN Specific Configuration

NOTE: FAST is used for the images in this procedure. Other electronic parts catalogs may be different.

1. Open FAST (or equivalent) and type in the VIN.

Im NFA010 Nissan FAST for Windows [1]	
File Illustration Search Tool Abbreviations Help	
👪 🌮 🔲 🖷 🕾 🖾 📾 📾 🐼 🔗 🛛 Step 1 📲 🔀 🔛 😢	
VIN-Code SKEH9ER7HA-010020 DEBNLXLH15UUAG	US
Model Series H15E Prod.M/Y 0616 Color :# CAN Int.Color G	OK
BODY SHB ENGINE 20PET AREA	
GRADE XOVER-BS TRANS 7AT	
	nple
Part Code Qty Part No	
No Part Code Qty Part Number Description	
Per Veh Sec. Alternate Part No I/C CD Mem Spec SUP AC/ APS. TSB T	rsb-no
CONSULT	
Items 0	
ENTER AT LEAST 3 DIGITS FOR PARTCODE OR PARTNUMBER SEARCH 8/	/31/2016 11:32 AM

Figure 1

- 2. Select **ABC** (word search).
- 3. Type "ROM" into the Input Description search window.
- 4. Select OK.

Step 2	
NFA010 Nissan FAST for Windows [2]	X
File Illustration Search Tool Abbreviations velp	
VIN-Code 9000HBOR7HA-006626 Model DEBNLXLH15UUAG	US
Model Series H15E Prod.M/Y 0616 Color :# CAN Int.Color G	ОК
BODY SHB ENGINE 20PET AREA USA DRIVE 4WD	
GRADE XOVER-BS TRANS 7AT	
Part Code Qty Part No New Delete	
No Part Code Qty Part Number Description	
Per Veh Sec. Alternate Part No I/C CD Mem Spec SUP AC/ APS. TSB TSB-NO	
CONSULT	
MFA030 DESCRIPTION SEARCH	
Input Description	
ROM	
Step 3	
OK Cancel	
USE TAB KEY TO MOVE CURSOR	
Step 4	
ENTER AT LEAST 3 DIGITS FOR PARTCODE OR PARTNUMBER SEAF 8/31/2016 4:11 PM	
Figure 2	

5. Select OK.

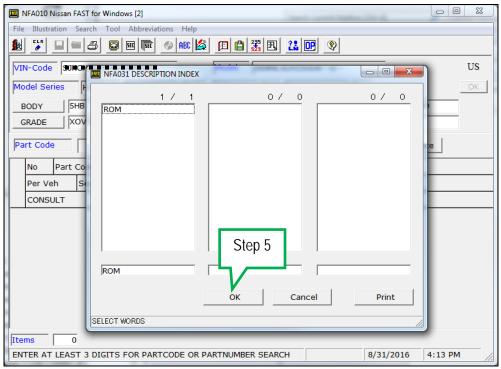


Figure 3

- 6. Select ROM-DATA ID, ID [appropriate electronic control unit].
- 7. Select Parts List Display.

MFA060 PARTS	CODE INDEX					x
File Edit Illust	ration Tool	Help				
🌆 🕾 Iu.	肩 🛛 🤇	0				
		<u>,</u>				
					2 /	3
Partcode	Ord.Qty	Description	Sec-No			
23704		ROM-DATA ID, ID NO FOR PROGRAMMING E				
285C8S	1	ROM-DATA ID, ID FOR PROGRAMMING AIR	BAG 253	🗌 \succ Si	tep 6	
310F0		ROM-DATA ID, ID NO FOR PROGRAMMING T	FCM 310		·	
1			Stop 7			
			Step 7			
				Parts	s List Display	
				8/31/2016	4:15 PM	- //
		Element 4				

Figure 4

8. Select P/No Search.

Step 8	
Im NFA010 Nissan FAST for Windows [2]	
File Illustration Search Tool Abbreviations Help	
VIN-Code SKEHSERTHAL 018820 Model DEBNLXLH15UUAG	US
Model Series H15E Prod.M/Y 0616 Color :# CAN Int.Color G	ОК
BODY 5HB ENGINE 20PET AREA USA DRIVE 4WD	>
GRADE XOVER-BS TRANS 7AT	
Part Code Qty Part No New Delet	e
No Part Code Qty Part Number Description	
Per Veh Sec. Alternate Part No I/C CD Mem Spec SUP AC/ APS. TSB TSB-NO	
CONSULT	
1 285C8S 1 ROM-DATA ID,ID FOR PROGRAMMING AIR BAG 253 253 1 1	
Items 1	
	4:16 PM

Figure 5

9. Select CONSULT.

IIII NFA010 Nissan FAST for Windows [2]	
File Illustration Search Tool Abbreviations Help	
<u>₩</u> ¥ = = 3 © = = <u>0</u> % <u>*</u> <u>*</u> <u>*</u> • • •	
VIN-Code SikChSORIHA=OL6SE6 • Model DEBNLXLH15UUAG	US
Model Series H15E Prod.M/Y 0616 Color :# CAN Int.Color G	ОК
BODY 5HB ENGINE 20PET AREA USA DRIVE 4WD GRADE XOVER-BS TRANS 7AT	
Part Code Qty Part No New Delete	
No Part Code Qty Part Number Description	
Per Veh Sec. Alternate Part No I/C CD Mem Spec SUP AC/ APS. TSB TSB-NO	
CONSULT	
1 285C8S 1 285C8-5DJ0A- ROM-DATA ID,ID FOR PROGRAMMING AIR BAG 01 253 ##2	
Step 9	
Items 1	
ENTER AT LEAST 3 DIGITS FOR PARTCODE OR PARTNUMBER SEARCH 8/31/2016 4:17	PM

Figure 6

- 10. Load/save the CSV file onto a thumb drive.
 - After selecting CONSULT in step 9, a screen showing your computer desktop with the CSV file should display (see Figure 7.) This is the VIN specific configuration file.
 - Do not change the file name or the file type.
 - Load/save this CSV file onto a thumb drive.

NOTE: It is recommend, at the start, that the thumb drive be blank (all other files erased). This will make it easier to find the file later in this procedure.

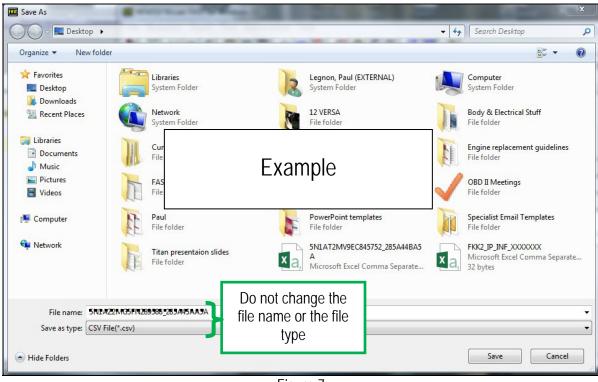


Figure 7

11. Plug the thumb drive (with the configuration file) into the CONSULT PC.

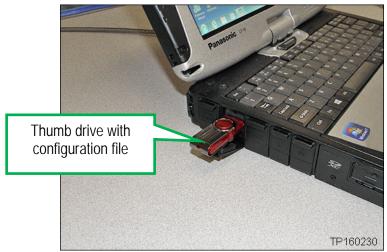


Figure 8

Configure the <u>New</u> Air Bag Diagnosis Sensor Unit, Engine Control Module, or Transmission Control Module

NOTE: The following steps are to be performed <u>after</u> the Air Bag Diagnosis Sensor Unit, Engine Control Module, or Transmission Control Module has been replaced.

12. Connect the CONSULT-III plus (C-III plus) to the vehicle with the plus VI.

13. Turn the ignition ON.

14. Open / start C-III plus.

15. Wait for the plus VI to be recognized.

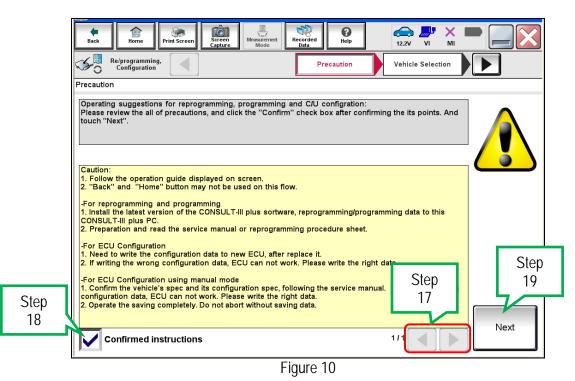
• The serial number will display when the plus VI is recognized.

16. Select Re/programming, Configuration.

	Back Home Print Screen Capture Mode Record	
	Connection Status	Diagnosis Menu
	Serial No. Status	Diagnosis (One System)
plus VI is recognized	VI 2300727 ► Normal Mode/Wireless	
	connection	Diagnosis (All Systems)
	MI - 0	
	No connection	Step 16
	Select VI/MI	
	Application Setting	
	Sub mode	Maintenance
	VDR	

Figure 9

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



- 20. If the screen in Figure 11 displays, select Automatic Selection(VIN).
 - If the screen in Figure 11 does not display, skip to step 21.

-	Back Home	Print Screen	n Measurement Mode	Recorded Help	12.2V VI MI	
	Re/programmi Configuratio	ng,	Precaution	Vehicle Selection	Vehicle Confirmation	
Step 20	Automatic S	election(VIN)	Manual Selec	tion(Vehicle Name)	\mathbf{r}	
20	Vehicle Name :				Model Year :	Sales Channel
	*MURANO Camp:P8201	JUKE	QUEST			NISSAN
	350Z	LEAF	ROGUE			INFINITI
	370Z					
	370Z Convertible		Fxa	Imple		
	ALTIMA	м		impic		
	ALTIMA Hybrid	1				
	ARMADA	NV	VERSA Sedan			
	CUBE	PATHFINDER	XTERRA			CLEAR
	FRONTIER	PATHFINDER ARMADA	X-TRAIL			Select
				1/1	0/0	

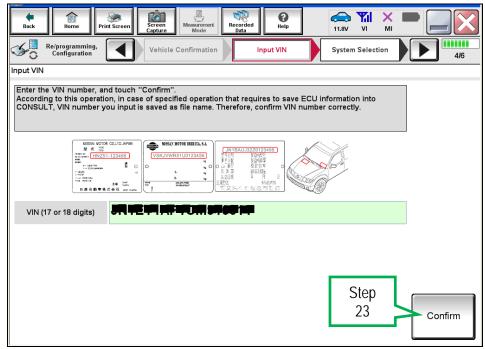
Figure 11

- 21. Make sure VIN or Chassis # matches the vehicle's VIN.
- 22. Select Confirm.

Back Home Print Screen Capture	Messurement Mode Messurement Mode Messurement Mode Messurement Mode Messurement Mode Messurement Mode Messurement Messurement Mode Messurement	
Ke/programming, Configuration	le Selection	
Please confirm selected information and to to to "Change".		tep 21
VIN or Chassis #	a a a a a a a	
Vehicle Name :	T 0 B	
Model Year	1 0	
	1/1	
		Change
	Step 22	Confirm
	Figure 10	

Figure 12

23. Select Confirm.





24. Select the appropriate system.

	Back Image: Configuration Image: Configuration System Selection Touch "system". In case ECU you want to operate is not list	Input VIN System Selection	Operation Selection	
2	ENGINE	AIR PRESSURE MONITOR	AIR BAG	
	MULTI AV	METER/M&A	HVAC	
	EPS/DAST 3	LASER/RADAR	AVM	
	ABS	ВСМ	CHASSIS CONTROL	
	IPDM E/R	CAN GATEWAY	TRANSMISSION	
		Figure 14	1/1	

- 25. Select After ECU Replacement, under vehicle configuration.

Ver.CSP31.10		States
Back Home Print Screen Capture	Mesurement Mode	
Configuration Sys	stem Selection Operation Selection	6/6
Operation Selection		
Touch "Operation". In case over write current ECU, touch "R In case replacement of ECU, select an ope		
REPROGRAMMING		
Reprogramming	In case you want to reprogramming ECU,	touch Reprogramming .
Replacement OF ECU		
Programming (Blank ECU)		
Before ECU Replacement		Before ECU Replacement", tep n log with part number is saved iULT. 25
	7/	
Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with configuration data is saved to CONSULT.
		·

Figure 15

26. Select FAST linked.

Image: Back Image: Back
Re/programming, Configuration Operation Selection Writing method selection 8/8
Writing method selection
Select an operation from the following list. Touch "FAST linked" or "Manual selection".
Step 26 Touch "FAST linked" to select automatic selection for writing data using the file generated in FAST. FAST linked
Touch "Manual selection" to select writing data manually.
Manual selection

Figure 16

27. Select File Selection.

					olates
Back Home Prin	int Screen Capture Me	asurement Mode		12.1V VI MI	
Re/programming, Configuration	Writing m selecti		inked search		9/9
FAST linked search					
Data is written by using t Touch "File Selection", an Check that the Part Numb	nd select the file generation	ated by FAST. The in	nformation recorded uch "Write".	d by FAST is displ	ayed.
				Step 27	
					File Selection
VIN				-5N1A22M	19PN281695
VIN (FAST)					
Part Number (FAST)					
					Write

Figure 17

- 28. Navigate your CONSULT PC to the thumb drive and select the configuration file (see example in Figure 18).
 - This will be the file that was loaded onto the thumb drive in step 10.

NOTE:

- Navigating a computer to a file on a thumb drive is a very common function, but can vary depending on the thumb drive and the individual computer set up.
- If you are unsure how to navigate to the file on your thumb drive, ask an associate in your shop who is more familiar with using a computer.

Choose File to Upload 🕶 🐓 Search . → → Computer → KINGSTON (G:) 9 - ## ? Organize * New folder Documents 🗐 • 5N1 AZ2MO3FN289568-_285A4-5AA6A 🤳 Music Sectores **Uideos** 💐 Computer SYSTEM (C:) Example LocalData (D:) KINGSTON (G:) CSV File(*.csv) File name: 5N1AZ2NIG5PN289988_285A4-3AA5A • Step • 29 Open Cancel

29. Select Open.

Figure 18

30. Select Write.

Ver.C	SP31.10			Terriore .				States
	nt Screen	icreen apture	nent Recorded	P Help		12.1V		
Re/programming, Configuration		Writing metho selection	d FAST	linked searc	h			9/9
FAST linked search								
Data is written by using the FAST linked function. Touch "File Selection", and select the file generated by FAST. The information recorded by FAST is displayed. Check that the Part Number(FAST) and VIN (FAST) are correct, and touch "Write".								
								File Selection
VIN						Į	9NH A.22M	M9FN 284 695
VIN (FAST)						I		•••••
Part Number (FAST)								• • • • • • •
							Step 30	Write
			Elguro	10				

Figure 19

31. Select OK.

Following setting value for each item ar Confirm setting value for each items, if C	e saved to vehicle ECU. K, touch "OK" to save them to vehicle ECU.		
AIR BAG]		-
	Type ID		
	R86A4-6HA5A+		
		Step 31	Cancel

Figure 20

32. Wait for the data to transfer.

lue fie for Transfer dataPlease wait for a while	
BAG	
	100%

Figure 21

33. Select End.

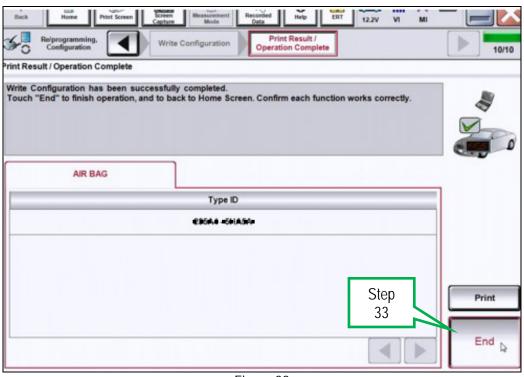


Figure 22

34. Clear any DTCs that may have stored during the procedure.