

SERVICE BULLETIN

Classification: EL13-023J Reference: ITB13-026J COPYRIGHT© NISSAN NORTH AMERICA, INC. Date:

July 26, 2019

2014-2017 INFINITI; DISPLAY CONTROL UNIT REPLACEMENT

This bulletin has been amended. See AMENDMENT HISTORY on the last page. Please discard previous versions of this bulletin.

APPLIED VEHICLES:

2014-2017 Q50 and Q50 Hybrid (V37) 2017 Q60 (V37) 2017 QX30 (H15) 2017 QX60 and QX60 Hybrid (L50)

SERVICE INFORMATION

If the Display Control Unit (DCU) needs to be replaced on an **APPLIED VEHICLE** for any reason, follow the steps in the **SERVICE PROCEDURE** to:

- Place the order with DENSO.
- Configure the Multi AV system.
- 2014-2016 Q50/Q50 Hybrid and 2017 QX30 vehicles only: Register the replacement DCU. DCU registration is necessary whether or not the vehicle has an active Infiniti InTouch Apps subscription.
- 2014 Q50/Q50 Hybrid vehicles only: Check/update the software version.

Q50 and Q60 vehicles



NOTE:

- For all 2017 model year and earlier Infiniti vehicles, the need to contact TECH LINE for DCU order approval has been eliminated.
- For 2018-2019 Infiniti vehicles, TECH LINE needs to be contacted before ordering a DCU. Refer to ITB19-002.

NOTE: The original DCU must be installed in the vehicle while performing part of this procedure. <u>DO NOT remove the original DCU until instructed.</u>

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

Before starting, make sure your ASIST has been synchronized to the current date and all CONSULT-III plus (C-III plus) updates have been installed.

Parts of the Procedure

- PART 1: Take Preliminary Steps Prior to Ordering DCU / Order DCU
- PART 2: Record Multi AV Configuration Values of Original DCU / Replace DCU
- PART 3: Configure Multi AV System
- PART 4: Manually Configure Multi AV System (if needed)

PART 5: 2014-2016 Q50/Q50 Hybrid and 2017 QX30 Vehicles Only: Register Replacement DCU

PART 6: <u>2014 Q50/Q50 Hybrid Vehicles Only</u>: Check Software Version / Confirm as Newest Version / Update as Needed

PART 1: Take Preliminary Steps Prior to Ordering DCU / Order DCU

While not required, Infiniti recommends using the following preliminary steps along with any other necessary diagnosis for non-warranty repairs:

- 1. Duplicate and verify the customer's concern if possible. If duplication is not possible, gather as much information about the issue as possible from the service advisor/writer or customer.
- 2. Check for any connected devices (phone, iPod, MP3 player, etc.) or determine if a connected device is present during the concern. Gather model and software version information if possible.

NOTE: TECH LINE can be contacted IF technical assistance is needed with diagnosis and repairs.

Order Exchange DCU from DENSO

NOTE: In most cases, an exchange DCU will be ordered. A new DCU is required only if:

- The vehicle has not yet been sold.
- The customer requests a new DCU on a non-warranty repair.
- The exchange DCU is not available.
- Insurance claim replacement.

After steps 1 and 2 have been completed, <u>your parts department will order the replacement exchange DCU</u> as instructed below.

- 3. Go to the Denso-Ten website (https://www.f10ncs.com), and login with your username and password.
 - If you do not have a login username and password (first time users), call Denso-Ten tech line (1-800-237-5413, Mon – Fri: 7:00am – 4:00pm PT) to obtain a login username and password.
- 4. Select Orders > Place An Order.



- 5. Enter the Dealer contact information, vehicle information, and warranty status information.
- 6. Select Next.

Step 1	Step 2 Step 3	Step 4	Step 5
Ship to Address:	Contact Name: Department: (choose one)	Customer Nan Repair Order I	ie: Number:
Date: 06-18-2019	Email:	Repair Order I MM/DD/YYYY	Date:
Vehicle Make: (choose one) (choose one) Nissan Infinti	Alternate Dealer Phone or Fax: Date of First Use/Warranty Start Date:	Mileage: VIN (17 charac	ters):
Populate all field:	S (if vehicle is not yet sold please call 1-800-237-5413)	Customer Dan (choose one) Warrantu	nage
		For service parts war (choose one	ranty, please call 1-800-237-5413

Figure 3

Next

- 7. Select the vehicle model and original DCU part number.
 - The DCU part number can be found on the label on the back of the DCU, or with C-III plus by going to Diagnosis (One System) > MULTI AV > ECU Identification.

NOTE: The replacement DCU you receive may have a different part number than the original DCU.

8. Select Next.



- 9. Populate the **Customer Complaint field**, choose a **symptom** from the drop down menu, and select an option for each displayed question.
- 10. Select Next.

Step 1	Step 2 Step 3	Enter customer complaint here
Customer Complaint (Please prov	ide as much detail as possible)	
Did you duplicate customer cor	Does vehicle have Extended Warr Does vehicle have Extended Warr O None Goodwill NNA C Goodwill Dealer Extended Warranty Contract NNA Extended Warranty Contract 3rd Pa	ranty? Do you have Nissan TECHLINE (NNA) Case Number? © Yes © No NNA Case Number:
(choose one) (choose one) Poor Appearance No or improper operation High/low/uneven operating effort	Policy:	
Noise Correct part not installed Part(s) missing Poor Bluetooth audio	Figure 5	Next

- 11. Select the conditions under which the symptoms occurred.
- 12. Select Next.

Step 1	Step 2	Step 3	Step 4	Step 5
When problem first occurred? (choose one)	Where occur?	did the problem	How often do occur? (choose one	es problem
Weather when problem occurred? (choose one)	Condit occurr (ch	ions when the problem ed?	Cabin Temper problem occur (choose one	ature when the rred?
Back				Next
		Figure 6		-

- 13. Check all symptoms that apply for each component.
- 14. Select Review.

Step 1	Step 2	Step 3	Step 4 Step 5
eck all that apply)			
Shared Functions		Radio	Bluetooth Hands Free Phone
 No Sound Noise/Static No Power Does not change Mode Changes Volume Automati (Without User Input) Volume does not change No Illumination No Display Touch SW does not respond Hard key does not respond Voice recognition does not Other 	cally d respond	 AM FM XM HD Radio All Stations Fades in and Out Cuts in and Out Sound Distorted Electrical Noise Noisy Wcak Sound No Sound Song Title and Artist not shown XM Service (account active) Other 	 Unable to pair Loses Connection Sound Distorted/Not Clear Caller does not hear driver Driver does not hear caller Does not make automatic connection Must re-pair after ignition key cycling Does not transmit Phone Book Noise/Static No Sound Other
Bluetooth-Audio/AUX		USB Audio/AUX	CD Player
Unable to pair Loses Connection Does not connect automatic No Sound No Play Skips Other	cally	Unable to pair device Unable to connect automatically Loses Connection No Play No Sound Other	MP3/WMA/AAC Purchased CD Specific disc Firor Code No Eject Ejects by itself No Loading No Play No Sound (won't play CD) Skips Other
Navigation (ECU)		Display	Other functions
 Unable to read disc Map does not appear Will not boot up Resets by itself Vehicle position icon drifts Vehicle icon rotates Vehicle icon does not appear GPS icon does not appear Route guidance inoperative Does not detect speed pulse vehicle Other 	h driven road e / inaccurate e from	 No Display No Color Bright or Dark Spot (pixel) Contrast in Coloring Lines in Screen Display does not change (frozen) Day/Night Mode does not change Rearview and AVM do not display image Out of Sync (Horizontal/Vertical) Cosmetic Blemishes on the screen Touch screen does not respond All blank/black All white Poor Focus Drifts Diagnostic Codes displayed Other 	 Does not transit to APPS (Applications Does not play Internet Radio Intermittent Internet Radio audio APPS tab not displayed when 'AUDIO button is pressed Wrong / Inaccurate results when Search Other

15. Confirm all of the information displayed is accurate, and then select **submit order**.

NOTE: Changes cannot be made once an order has been submitted.

• If changes are needed, select **Cancel and Edit** to return to the form.

Please verify the information you have entered pri	view and Submit Order for to submitting your order. Please remember of changes are permitted	nce your order has been placed no
Shipping and Contact Information:	Customer Information:	
XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXX	XXXXXXX XXXXXXX XXXXXXXX XXXXXXXX XXXXXX	
Product Information: Model: QX60 Part Number: 28387-XXXXX	Description:	Click here to make changes
submit order		Cancel and Edit

Figure 8

16. After sumbit order is selected, a confirmation page and number will display. If needed, select View My Order, Submit a New Request, or Printer Friendly Page.

Tracking Your Order	Viewing your order	Please Note:
Please use your confirmation number to track your order. Please print or save this number for your records to be able to track your order at a later time.	You may view/print your order by clicking the link below: View My Order	Any modification to your order cannot be done at this time. If you wish to change your shippin address, please call 1-800-237-5413
/our confirmation number is XXXXXXXXXXXX	Submit a New Request	(Monday to Friday 7:00am to 5:00pm PT)

NOTE:

• To view order status and shipping/tracking information at a later date, select **View Orders** on the Denso-Ten website and select the applicable order.



Show 10	Placed Orders						S	earch:			
View Order	Confirmation Number	Order Date	Ten Claim Number	Status 🔶	Shipping Date	Shippin Carrie	g r ∲	Tracking Number	\$	Orde B	ered y
View	****	06/06/2019		Demo Submit							
g 1 to	0 1 of 1 entries						First	Previous	1	Next	Last
				Figure 11							

17. After the order is submitted, DENSO will email a confirmation to your parts department stating the order has been placed.

PART 2: Record Multi AV Configuration Values of Original DCU / Replace DCU

- 18. Prepare the vehicle:
 - Make sure the shift selector is in Park and the parking brake is set.
 - Connect a battery maintainer or smart charger set to reflash mode or a similar setting.
 - Connect the plus VI to the vehicle.
 - Launch C-III plus on the CONSULT PC.
 - Turn the ignition ON but DO NOT start the engine.
 Q50 Hybrid and QX60 Hybrid vehicles: Turn the ignition ON but DO NOT put in Ready Mode.
- 19. Select Re/programming Configuration.

	Serial No.	Status	Diagnosis (One System)
vi	2300090	Normal Mode/Wireless	Diagnosis (All Systems)
WI		No connection	Re/programming, Configuration
9	Select VI/MI	31 T	Immobilizer
plicat	tion Setting Sub mode	ABC Language Setting	Maintenance

Figure 12

20. Read the Precautions.

When finished, click in the **Confirmed instructions** box to insert a check mark, and then select **Next**.



Figure 13

21. Select the Manual Selection (Vehicle Name) tab, and then select the Vehicle Name and Model Year.

NOTE: If the screen shown in Figure 14 does not display, proceed to step 26.

22. Select Select.

- 23. Confirm the correct Vehicle Name and Model Year are displayed.
 - When finished, select Confirm.





Figure 15

Steps 24 and 25 below apply to 2017 QX30 vehicles ONLY. For all other vehicles, proceed to step 26 on the next page.

24. Select USA/CANADA Dealers in the drop down menu, and then select OK.

NOTE:

- The screen in Figure 16 will only appear during the first login on a CONSULT PC. Future logins with the same CONSULT PC will display the screen in Figure 16 only.
- If the screen shown in Figure 16 does not display, proceed to step 25.



CONSULT-8 plux		224	
User Authentication	Contraction of the local data	Unit Address of the	Nguri VIN 45
NISSAN			
	Please so user	elect your group.	
		04	
			NISSAN

Figure 16



Figure 17

- 26. After System Call completes, confirm the correct Vehicle Identification Number (VIN) is displayed.
 - When finished, select Confirm.

27. Select MULTI AV.

•

NOTE: If the VIN displayed is incorrect, input the correct VIN. When finished, select **Confirm**.

Use the scroll arrows if needed.





0 × đ Diagnusis (O System) Sys n Selectio NISSAMINFINITI Renaul X-Badge ¥ Group All systems TRANSMISSION טוס ENGINE BAC MULTI AV SUB METER AUTO SLIDE DOOR METER/M&A EHS/PKB CONVERTIBLE ROOF PRECRASH SEATBELT MOTOR CONTROL HEAD LAMP LEVELIZER AUTO DRIVE POS BCM AIR BAG EPS/DAST 3 ALL MODE AWD/4WD e-4WD ICC/ADAS IPDM E/R LASER/RADAR DIFF LOCK HVAC AIR PRESSURE MONITOR INTELLIGENT KE 4WAS(MAIN)/RAS/HICAS 1/3 ۲ Figure 19

28. Select Before ECU Replacement.



Figure 20

ITB13-026J

- 29. Confirm Setting Value (current configuration) and write it on the repair order.
 - The current configuration can also be printed with the **Print Screen** button or **Screen Capture** button.
 - Use the scroll arrows if more than one page of information is available.

NOTE: Configurable options will differ and your screen may look different.

30. Select Save.



NOTE: If the configuration data cannot be saved, replace the DCU as instructed in the applicable Electronic Service Manual (ESM), and then proceed to page 16, PART 4: Manually Configure the Multi AV System (if needed).

0 12.3V Yal -1a1 Configu Save EGU Data Save ECU Dat Operation Log and Vehicle specification (Configuration data) have been saved to CONSULT. Touch "End to back to Home Screen. And refer to Service Manual, and replace ECU. After replacement of ECU, touch "Configuration" on Home Screen to co File Label Vehicle INFINITI Q50 System MULTI AV Type ID Saved Date KMMXXXXXXXXXXXXXXXXX Figure 22

31. Select End.

- 32. Replace the DCU as instructed in the applicable ESM.
 - Refer to the ESM, section DRIVER INFORMATION & MULTIMEDIA > AUDIO, VISUAL & NAVIGATION SYSTEM > INFINITI INTOUCH > REMOVAL AND INSTALLATION > DISPLAY CONTROL UNIT > Removal and Installation.

PART 3: Configure the Multi AV System

- 33. Perform steps 18-26 again before proceeding to step 34.
- 34. When you get to the screen shown in Figure 23, select **Confirm**.

Back Home Print 1	Screen Screen Menagement Reco	rded Help 13			
Ke/programming, Configuration	Vehicle Confirmation	Operation Log Selection	11-		
peration Log Selection					
In case you want to write th data list (left side), and con want to do other operation,	he save data from CONSULT to vehic firm the detail (right side). If the deta touch "Other Operation".	le ECU, touch and select th il is OK, and touch "Confirm	e data in Save ''. In case you		
Saved Data List	Saved Data Detail				
	System	System MULTI AV			
		MULTI	IV.		
	Part Number	25945×220	95A		
	Part Number Vehicle	Q50 SEC	DAN Delete		
	Part Number Vehicle VIN	050 SEC	VAN Delete		
	Part Number Vehicle VIN Saved Date	NOLTI / 255545-33X Q50 SEC 3800ALQARBAL XXQXEAXXXXX	XAN Delete XMO00696K Other Coperation		
	Part Number Vehicle VIN Saved Date	MOLTI / 265915-200 Q50 SEC 33004-Usinki SAC	AN Delete AN Delete ANOOHIGK ANDALANA A		

Figure 23

- 35. If the screen in Figure 24 appears, skip to page 19, step 46.
- 36. If the screen in Figure 24 does not appear, go to step 37.

Back Home Print Screen Scr	reen Macher Recorded Help	
Re/programming, Configuration	System Selection Operation Selection	7/1
peration Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an c	"Reprogramming". operation in REPLACE ECU category.	
REPROGRAMMING	In case you want to reprogramming ECU	l, touch "Reprogramming".
Reprogramming		
Replacement OF ECU Programming (Blank ECU)		
Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is saved to CONSULT.
VEHICLE CONFIGURATION		
Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with configuration data is saved to CONSULT.

Figure 24

37. Select OK.

After performing Step 37:

- If an error message <u>does not</u> display, proceed to page 20, step 51.
- If an error message <u>does</u> display, proceed to PART 4: Manually Configure the Multi AV System (if needed), below.

Configuration	Replace ESU	Write Configuration	Print Result / Operation Complete	• 6	
rite Configuration					
Föllowing satting value for each Confirm satting value for each it	item are saved to vehicle EC ems, If OK, touch "OK" to save	2U. e them to vehicle ECU.			
	-	5	tteg Value.		
DESTINATION		Uni	United States		
NAVIGATION			WITH		
LDP (LANE DEPARTURE PREVE	INTION)		1		
HYBRID			OF		
CAMERA SYSTEM		NON	E/AVM ph3	Cancel	
PREDICTIVE COURSE LINE		Ŵ	WITHOUT		
			1/2		
	F	igure 25			

PART 4: Manually Configure Multi AV System (if needed)

NOTE: If the screen in Figure 26 is not displayed, click on the **Home** icon.

38. Select Re/programming Configuration.

_	Serial No.	Status	Diagnosis (One System)
VI	2300090	Normal Mode/Wireless connection	Diagnosis (All Systems)
NI		No connection	Re/programming, Configuration
Select VI/MI			immobilizer
licat	ion Setting Sub mode	ABC Language Setting	Maintenance
			, <u> </u>

39. Read the **Precautions**.

When finished, click in the **Confirmed instructions** box to insert a check mark, and then select **Next**.





677

1

matic Selection(VIN)

4

50

Re/program

101

C

0

Vehicle Select

12.1V

Yil

Þ

Vehicle Confirmation

40. Select the Manual Selection (Vehicle Name) tab, and then select the Vehicle Name and Model Year.

NOTE: If the screen shown in Figure 28 does not display, proceed to the next page, step 44.

41. Select Select.

Vehicle Name Model Year : NISSAN Camp:P8202 INFINITI M35h 2014 INFINITI INFINITI EX35 INFINITI M37/M56 INFINITI FX35/FX50 INFINITI OX56 INFINITI G25/G37 Sedan NFINITI Q50 Sedar INFINITI G35 Sedan INFINITI G37 Convertible INFINITI G37 Coupe CLEAR INFINITI G37 Sedan INFINITI M35/M45 Select 1/1 a

Figure 28



Figure 29

42. Confirm the correct Vehicle Name and Model Year are displayed.

When finished, select Confirm.

Step 43 below applies to 2017 QX30 vehicles ONLY. For all other vehicles, skip to step 44.

43. Enter your NNAnet.com Username and Password, and then select Submit.



Figure 30

TP-AN 12.1V VI 0 101 4 50 Re/programming, Configuration Input VIN System Selection Vehicle D nput VIN Enter the VIN number, and touch "Confirm". According to this operation, in case of specified operation CONSULT, VIN number you input is saved as file name. on that requires to save ECU information into Therefore, confirm VIN number correctly. WALCH CAN BE AND READ OF VIN (17 or 18 digits) Confirm Figure 31

System)	System Belection			
NISSAN/INFINITI	Rena	Renault		
Group	All system	s 🔻		
ENGINE	TRANSMISSION	BAC	DIU AUTO SLIDE DOOR PRECRASH SEATBELT	
	MULTIAV	SUB METER		
METER/M&A	EHS/PKB	CONVERTIBLE ROOF		
BCM	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.	
AIR BAG	EPS/DAST 3	e-4WD	ALL MODE AWD/4WD	
ICCIADAS	IPDM E/R	LASER/RADAR	DIFF LOCK	
HVAC	AIR PRESSURE MONITOR	R PRESSURE MONITOR INTELLIGENT KEY		

Figure 32

44. Confirm the correct VIN is displayed.

When finished, select **Confirm**.

NOTE: If the VIN displayed is incorrect, input the correct VIN. When finished, select **Confirm**.

45. Select MULTI AV.

• Use the scroll arrows if needed.

46. Select After ECU Replacement.



47. Select Manual selection.

Re/programming, Configuration mg method selection ect an operation from the ich "FAST linked" or "Man	Operation Selection Selection
FAST linked	Touch "FAST linked" to select automatic selection for writing data using the file generated in FAST.
Manual selection	Touch "Manual selection" to select writing data manually.

Figure 34

- 0 13.2V Yil dara. X 50 Re/programming, Configuration 4 Write Configurat ► Ĉ, Manual Configuration Identify the correct model and configuration mode with Configuration list described on Service Manu Confirm and/or change satting value for sach item, touch "Next". Make sure to touch "Next" even if the indicated configuration of brand new BCM is same as the desiral configuration. If not, configuration which is set automatically by selecting vehicle model can not be memorized. Reme Setting Value ¥ DESTINATION United States ¥ NAVIGATION WITH v LOP (LANE DEPARTURE PREVENTION) On ¥ HYBRID FR TYPE 4WD CAMERA SYSTEM NONE/AVM ph3 Ŧ v PREDICTIVE COURSE LINE WITHOUT Nex 1/2 Figure 35
- 48. Use the drop down menus to select the configuration options that were printed or written down in step 29.
 - Use the scroll arrow if more than one page of information is available.

NOTE: Configurable options may differ and look different from Figure 35.

49. Select Next.

50. Confirm the configuration settings displayed under **Setting Value** are correct, and then select **OK**.



Figure 36

- 51. Turn the ignition OFF, start the engine or put in Ready Mode, and then wait for about 30 seconds.
- 52. Use C-III plus to erase any codes from the Multi AV system.
 - a. Select Home on the C-III plus screen.
 - b. Select Diagnosis (One System) > Multi AV > Self Diagnosis Results.
 - c. Erase any codes that may be present.

<u>Step 53 below applies to 2014-2016 Q50/Q50 Hybrid and 2017 QX30 vehicles ONLY</u>. For all other vehicles, proceed to step 54.

53. Write down the **UNIT ID** number (Figure 37) as follows:

NOTE: The UNIT ID number will be used in Part 5 of the procedure.

- a. Select the ECU Identification tab on the C-III plus screen.
- b. Write down the UNIT ID number.

Image: Second Diagnosis (One Diagnosis (One System Selection) System Selection MULTI AV						
Result Data Monitor	Vork support					
ECU PART NUMBER	1 8 9 8 9 -4 1 1 1 0 4					
UNIT ID	129900904294					
1	1/1					
	Figure 37					

- 54. Close C-III plus and disconnect the plus VI from the vehicle.
- 55. Check that the operation of the DCU and, if equipped, RearView Monitor camera images (fixed guide lines and predictive course lines) are normal.
- 56. Disconnect the battery maintainer/smart charger from the 12V battery.

PART 5: 2014-2016 Q50/Q50 Hybrid and 2017 QX30 Vehicles Only - Register Replacement DCU

- 57. Register the replacement DCU by calling Infiniti Owner Services at **1-855-444-7244**. Listen to the prompts and select the option for the "Infiniti Connection Specialist."
 - During this call you will be asked for the Unit ID number (see step 53) and the VIN.
 - Infiniti Owner Services hours of operation are:

Monday – Saturday: 8:00am to Midnight EST Closed Thanksgiving, Christmas, and New Years Day

IMPORTANT: <u>Step 57</u> MUST be performed to register the replacement DCU. If this step is not performed, the Infiniti InTouch Apps feature – if the vehicle has an active subscription – will not function. Perform this step even if the vehicle does not have an active Infiniti InTouch Apps subscription, as future enrollment will also be affected.

PART 6: 2014 Q50/Q50 Hybrid Vehicles Only – Check Software Version / Confirm as Newest Version / Update as Needed

NOTE: PART 6 does NOT apply to 2015-2017 model year vehicles.

Click \rightarrow <u>HERE</u> \leftarrow This will link you to the General Procedure for Infiniti InTouch Software Update.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 1, 2013	ITB13-026	Original bulletin published.
November 1, 2013	ITB13-026a	Information for nnanet.com on page 3 was updated, and PART 6 was added to the SERVICE PROCEDURE.
March 20, 2014	ITB13-026b	Information for locating the DCU part number was added on page 3.
August 27, 2014	ITB13-026c	PART 4 and 5 have been amended.
December 19, 2014	ITB13-026d	The Title, APPLIED VEHICLES, and PART 6 in the SERVICE PROCEDURE have been amended.
March 23, 2016	ITB13-026e	APPLIED VEHICLES was updated, and the information on page 3 was clarified.
November 3, 2016	ITB13-026f	Modifications have been made to include 2017 Q50, Q50 Hybrid, QX30, QX60, and QX60 Hybrid vehicles.
December 5, 2017	ITB13-026g	APPLIED VEHICLES and Part 1 of the SERVICE PROCEDURE have been revised.
February 22, 2018	ITB13-026h	APPLIED VEHICLES has been revised.
January 15, 2019	ITB13-026i	Models and model years have been removed from APPLIED VEHICLES. Revisions have been made throughout the rest of the bulletin to reflect the revisions made in APPLIED VEHICLES.
July 26, 2019	ITB13-026J	Order an Exchange DCU from DENSO procedure revised.