

SERVICE BULLETIN

Classification: BT14-020 Reference: ITB14-030 COPYRIGHT© NISSAN NORTH AMERICA, INC. Date:

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G37 AND Q60 CONVERTIBLES; RETRACTABLE HARD TOP INITIALIZATION SERVICE INFORMATION

APPLIED VEHICLES: 2009-2013 G37 Convertible (V36) 2014-2015 Q60 Convertible (V36)

SERVICE INFORMATION

If the battery becomes disconnected or discharged while the retractable hard top is in any position other than fully closed or fully retracted, the retractable hard top control may stop operating and the following DTCs will be stored: B1707 and B1708. Other retractable hard top related DTCs may also be found stored. To restore operation: (1) close the roof fully manually; (2) erase the DTC(s); and (3) perform hard top control unit initialization.

This bulletin provides the procedures to restore retractable hard top control operation.

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 dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

NOTE: Before starting the service procedure, make sure the battery is sufficiently charged and both battery cables are connected.

CAUTION: Use of the Work Support feature in this bulletin may result in the retractable hard top functioning out of sequence. If interference conditions occur with the parcel shelf, flipper doors, and trunk/roof latches, damage may occur.

- 1. Connect the GR-8 (Battery and Electrical Diagnostic Station) or suitable battery charger to the vehicle battery, and then set at low charge.
- 2. Connect the CONSULT PC and plus VI to the vehicle, and then start CONSULT-III plus (C-III plus).
- 2a. Wait for the plus VI to be recognized / connected.
 - The serial number will display when the plus VI is recognized / connected.
- 3. Select Diagnosis (One System).

	💽 солѕи	LT-III plus Ver.V12.12.	00 VIN:-	Vehicle : -		Country : U.S.A.		
	Back	Home Print Scree	n Screen Mode	Recorded Data	11.8V VI MI	-		
	Connee	ction Status		Diagnosis Mei	nu		_	
		Serial No.	Status	Diagn	osis (One Syst	tem)		Step
Step 2a: plus VI	vi	2300727	∞»)))				ſĽ	
			connection	Diagn	osis (All Syste	ems)		
	м	-	\otimes					
			No connection	Re/pro	ogramming, Co	onfiguration		
	8.00	Select VI/MI			oilizer			
		tion Setting						
	SUB 9	Sub mode	ABC Language Setting	g Mainte	enance			
		VDR						
			r	Figure 4				
			F	rigure 1				

4. Select CONVERTIBLE ROOF.

CONSULT-III plus Ver.32.00 Ver.C SP18.1 Back Rome Print Screen	1 VIN:- Screen Capture Measurement Mode Dat	Vehicle : -	Country : North America Common		
NISSAN/INFINITI Renault X-Badge					
Group	All system	s 🔻			
ENGINE	TRANSMISSION	BAC	UIU		
ABS		SUB METER	AUTO SLIDE DOOR		
METER/M&A	Step 4	CONVERTIBLE ROOF	PRECRASH SEATBELT		
ВСМ	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.		
AIR BAG	EPS/DAST 3	e-4WD	ALL MODE AWD/4WD		
ICC/ADAS	IPDM E/R	LASER/RADAR	DIFF LOCK		
HVAC	AIR PRESSURE MONITOR		4WAS(MAIN)/RAS/HICAS		

Figure 2

5. Select ERASE.



Figure 3

6. Select Erase.

CONSULT-III plus Ver.32.00 Ver.CSP18.11	VIN:-	Vehicle : -	Country : North America Common
Back Rome Print Screen	Screen Capture Mode Record	ed 0 Help 12.2V	" 🗙 💻 🥅 🔀
Diagnosis (One System)	Selection CONVERTIBLE ROOF		
Self Diagnostic Result			ion
B1752 ROOF LATCH ST	Erase Self-Diag memory and	I Freeze Frame Data?	tion
B175C PWR SOURCE(R			tion
	Erase	Cancel	
			Print
	Step 6		Save
		1/1	ERASE

Figure 4

7. Select Close.

NOTE: DTCs may not erase. This is OK.

CONSULT-III plus Ver.32.00 Ver.CSP18.11	VIN:-	Vehicle : -		Country : North America Common
Back Home Print Screen	Screen Capture	Recorded Data	← ↓ × 12.2V VI MI	
Diagnosis (One System)	n Selection CONVER ROO	TIBLE F		
Self Diagnostic Result	, N,		Ion	
B1752 ROOF LATCH ST	Erasing was completed sure that Self Diagnost	d. Touch "Close" button, the ic result is deleted.	en make tior	
B175C PWR SOURCE(R			tior	
		Close		
				Print
		Step		Save
		/	1/1	ERASE

Figure 5

- 8. Using C-III plus, fully close the retractable hard top (roof).
 - Use the list below to determine where to start manually closing the roof.

NOTE:

- The roof will need to be closed in the correct order of each related component from OPEN to CLOSE. For example, if the trunk is fully lifted but the flipper doors are closed halfway, the first component to be moved (closed) would be the flipper doors, and then the roof latches, etc. Which component needs to be closed first will depend on the roof's current "state" of open position. By using the list below, first determine the roof's state, and then close the roof starting at the determined position.
- When giving the command in C-III plus to open, close, go up, down, etc. a given component, the related on-screen button may need to be clicked (tapped) rapidly multiple times to complete the requested sequence. Pressing once or pressing and holding down may not work.

CAUTION: Use of the Work Support feature in this bulletin may result in the retractable hard top functioning out of sequence. If interference conditions occur with the parcel shelf, flipper doors, and trunk/roof latches, damage may occur.

From the full open position (roof stored in the trunk), the components are being operated toward the closed position in the following order:

- a. trunk opener (go to page 6)
- b. trunk open (go to page 9)
- c. parcel shelf angle direction vertical (go to page 9)
- d. roof latches open (go to page 8)
- e. parcel shelf down halfway (go to page 9)
- f. roof close (go to page 9)
- g. parcel shelf down completely (go to page 9)
- h. roof latches close (go to page 8)
- i. flipper doors down (go to page 7)
- j. parcel shelf angle direction horizontal (go to page 9)
- k. trunk close (go to page 9)
- L. parcel shelf up (go to page 9)

Trunk Opener

1. Under the Work support tab, select TRUNK OPENER, and then Start.

CONSULT-III plus Ver.32.11 Ver.CSP18.11	VIN:-	Vehicle : -		Country : People's Republic of China	
Back Rem Step	een ture Mode Recorded Data	() Help	12.8V VI MI	-	
Diagnosis (One System) 1a	CONVERTIBLE				
Self Diagnostic Data Moni	tor	Active Test	ECU		
Test Item		Step		-	
TRUNK OPENER		1b.			
FLIPPER DOOR			J		
ROOF LATCH					
ROOF/TRUNK/PARCEL S	SHELF				
ROOF STATE RESE	π				
ROOF STATE LEARN	ING				
					Step
			1/1	Start	

Figure A

2. Select Start.

CONSULT-III plus Ver.32.11 Ver.CSP18.11	VIN:-	Vehicle : -	Country : People's Republic of China	
Back Rime Print Screen	Areen Mode Recorded Data	O Image: Second se	K 💻 🔜 🔀	
Diagnosis (One System Se	ection CONVERTIBLE			
Work support : TRUNK OPENER				
Trunk opener operates.			On	
			Start	Step 2
Current status		Waiting for your operat	ion	
			End	
	F iau ya	D		_



3. Select **On** to open the trunk, and then select **End**.

CONSULT-III plus Ver.32.11 Ver.CSP18.11	VIN:-	Vehicle : -	Country : People's Republic of China	
Back Rime Print Screen	reen Measurement Mode Recorded Data	Image: Weight of the second		
Diagnosis (One System Se System)	lection CONVERTIBLE			
Work support : TRUNK OPENER				
Trunk opener operates.				Step
				3 a
			Start	
C			Ξ	
Current status				
				4 Stop
			End	Siep
				3 D

Figure C

Flipper Doors

1. Under the Work support tab, select FLIPPER DOOR, and then select Start.

CONSULTIII plus Ver.2211 Ver.CSP18.11 Diagnosis (Ore System) Sesti Diagnosis (VIN:-	Vehicle :-	Country : People's Republic of China Vi MI	S
Test Item TRUNK OPENER FLIPPER DOOR ROOF LATCH ROOF/TRUNK/PARCEL SI ROOF STATE RESET ROOF STATE LEARNIN	HELF T	Step 1b		
		1/1	Start	Step 1c



2. Select Start.





- 3. Select the **Up** and **Down** buttons as needed to tuck the flipper doors under the open trunk.
- 4. Once completed, select End.



Figure F

Roof Latch

1. Under the Work support tab, select ROOF LATCH, and then select Start.

CONSULT-III plus Ver-32.11 Read Total Step Diagnosis (0) System) System) Data Monitor	Vehicle :- IN Receiver Provide Active Test CCU CENTROP	Country : People's Republic of China MI
Test Item		
TRUNK OPENER		
FLIPPER DOOR		
ROOF LATCH	Step	
ROOF/TRUNK/PARCEL SHELF		
ROOF STATE RESET		
ROOF STATE LEARNING		
	1	
		Step
	1/1	Start 1C

Figure G

2. Select Start.

Var 22.11			Country : Recole's	
CONSULT-III plus Ver.CSP18.11	VIN:-	Vehicle : -	Republic of China	
Back Home Print Screen	Treen pure Mode Recorded Data	Help 12.7V VI	× 🖿 📃 🔀	
Diagnosis (One System Se System)	election CONVERTIBLE			
Work support : ROOF LATCH				
Roof latch operates.			Close	
Currant status	[Waiting for your operation	tion	Step
Current status		waiting for your opera		
			End	
	-			i i



3. Select **Open**, and then select **End** when completed.

CONSULT-III plus Ver.32.11 Ver.CSP18.11 Back Rome Print Screen Cs	VIN:-	Vehicle : -	→ 	Country : People's Republic of China		
Diagnosis (One System Sel	ection CONVERTIBLE ROOF					
Work support : ROOF LATCH						
Roof latch operates.				Close Open		Step 3a
Current status				Start		
				End	←	Step 3b

Figure i

Roof/Trunk/Parcel Shelf

1. Under the Work support tab, select ROOF/TRUNK/PARCEL SHELF, and then select Start.





2. Select Next.





3. Operate the components in the order given below:

Parcel angle direction: PS(ROTA):VERT/HORIParcel Up/Down: PS(DRAW):UP/DOWNRoof Close/Open: ROOF:OPEN/CLOSETrunk Close/Open: TRUNK:OPEN/CLOSE

- 4. When completed, select End.
 - After closing the trunk, the roof will be fully closed.

CONSULT-III plus Ver.32.11 Ver.CSP18.11	VIN:- V	'ehicle : -	Country : People's Republic of China
Back Rome Print Screen	reen Measurement Mode Recorded Data	€	-
Diagnosis (One System) System Se	ection CONVERTIBLE		
Work support : ROOF/TRUNK/PARCEL	HELF		
		Step	PS(ROTA) VERT HORI PS(DRAW) UP DOWN ROOF
Current status		° r	CLOSE CLOSE
			OPEN CLOSE
			Next
		Step 4	End

Figure L

- 9. Once the roof is fully closed, select the **Self Diagnostic Result** tab, check for stored roof related DTCs.
 - If DTCs are found stored in "CRNT" (current), go to step 10 below.
 - If DTCs are found stored in "PAST" or no DTCs found, go to page 11, step 14.





- 10. Turn the ignition OFF, disconnect the battery charger, and then disconnect both battery cables from the battery, negative cable first.
- 11. Touch the cable ends together for five (5) minutes.
 - Keep the cable ends touching by taping or clamping them together. •

CAUTION: Cover the battery posts with plastic caps or other suitable insulation to keep the battery from shorting.

- 12. After 5 minutes, separate the battery cables, and then connect them to the battery, <u>positive</u> cable first.
- 13. Connect the battery charger, set at low charge, and then turn the ignition ON.

14. Go back to C-III plus, select Work support, ROOF STATE RESET, and then select Start.



Figure 7

15. Select Start.



Figure 8

16. Select End.

CONSULT-III plus Ver.32.00 Ver.CSP18.11	VIN:-	Vehicle : -	Country : North America Comm	on
Back Rome Print Screen	Screen Sapture	Help	MI -	$\mathbf{\times}$
Diagnosis (One System) System S	election CONVERTIBLE			
Work support : ROOF STATE RESET				
Reset is complete. Perform ROOF POS	SITION LEARNING.		Retry	/
Current status		c	Completed	
				_
			End	Step 16
		-	L	

Figure 9

17. Select the Work support tab, ROOF STATE LEARNING, and then select Start.



Figure 10

18. Select Start.



Figure 11

- 19. When the screen in Figure 12 appears, press and hold down the retractable hard top operating switch (roof switch) in the vehicle to fully open the roof.
 - If the roof stops opening after all windows go down completely and the parcel shelf drops down, release and then press and hold down the roof switch again.
- 20. After the roof has fully opened, press and hold down the roof switch to fully close the roof.

CONSULT-III plus	Ver.32.00 Ver.CSP18.11_	VIN:-	Vehicl	e:-	Country : North America Common
Back Home	Print Screen	Creen ppture	Recorded Data	12.2V VI	× • • • •
Diagnosis (One System)	System Se	election CONVEI	RTIBLE OF		
Work support : ROOF	STATE LEARNING	3			
Press "END" after co -Open and close roo	ompleting the folic f.	wing operation.			Start
Current status				EXECU	JTING
					End

Figure 12

- 21. When completed, the screen in Figure 13 will appear.
- 22. Select End.

CONSULT-III plus Ver.32.00 Ver.CSP18.11	VIN:- Vehicle : -	Country : North America Common	
Diagnosis (One System)	lection CONVERTIBLE ROOF		
/ork support : ROOF STATE LEARNING ROOF POSITION LEARNING is comple Press "END".	; ite.	Retry	
Current status		COMPLETE	
		End	

Figure 13

23. Select the Self Diagnostic Result tab, and then select ERASE.



Figure 14

24. Select Erase.



Figure 15

25. Select Close.

💽 CON	SULT-III plus	Ver.32.00 Ver.CSP18.11	VIN:-		Vehicle : -		Count Ameri	try : North ica Common
e Back	Home	Print Screen	Screen Capture Mea	surement Mode	() Help	← ↓	X D	
	Diagnosis (One System)	Syster	m Selection	CONVERTIBLE ROOF				
Sel Re:	lf Diagnostic sult	E Information	n	N	,	ECU	ion	
B175	52 ROOF LATO	CH ST <	Erasing was sure that Self	completed. Touch "Cl Diagnostic result is d	ose" button, thei	n make	tion	
				Close Step 25]	1/1		Print Save ERASE
				Figure 1	6			

26. DTCs have been successfully erased if the screen below appears.

CONSULT-III plus Ver.32.00 VIN:-	Vehicle : -	Country : North America Common
Back Print Screen Capture	Measurement Mode Data Parka 122V	
Diagnosis (One System) System Selection	CONVERTIBLE ROOF	
Self Diagnostic Result	Work support	ECU Identification
No DTC is detected. Further testing may be required.		-
		Print
		Save
	1/1	ERASE
	Figure 17	

- 27. Initialization is complete. Verify the roof opens and closes normally.
- 28. Remove the battery charger.