

Classification:

AT20-008

Reference:

ITB20-030

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Date:

December 23, 2020

2019-2020 QX50; CVT FLUID COOLER HOSE LEAK

APPLIED VEHICLES: 2019-2020 QX50 (J55) with tow package
APPLIED VIN: 2019 All
 2020 Built before 3PCA75M (**) LF121797
APPLIED DATE: Built before July 1, 2020

IF YOU CONFIRM

CVT fluid is leaking from the upper CVT fluid cooler hose, at the CVT cooler.

Or

The upper CVT fluid cooler hose has become detached while driving.

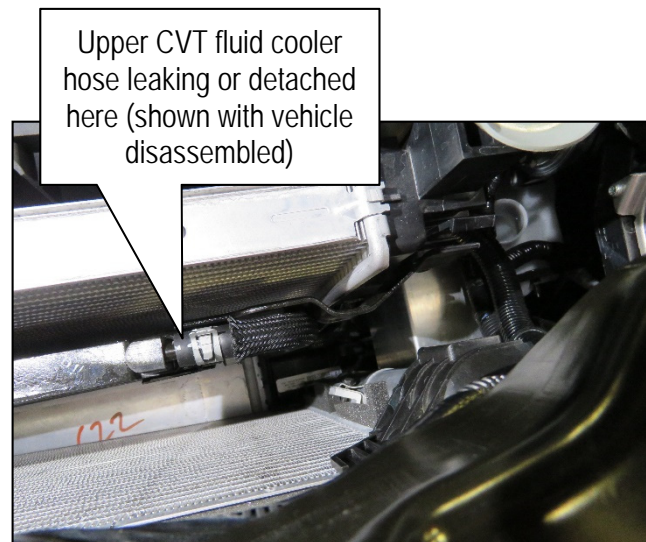


Figure 1

NOTE: If CVT fluid is leaking from any other location, this bulletin does not apply. Refer to the ESM for further diagnostic and repair information.

ACTION

Follow the service procedure in this bulletin to replace the upper CVT fluid cooler hose and clamps.

- Do NOT follow the procedure in the ESM for CVT fluid cooler hose replacement.
- Do NOT reconnect the original upper CVT fluid cooler hose.

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.

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

1. Raise and support the vehicle.
2. Remove the front under cover bolts and clips and remove the front under cover.
3. Lower the vehicle.
4. Remove the Air duct 2 (air inlet duct).

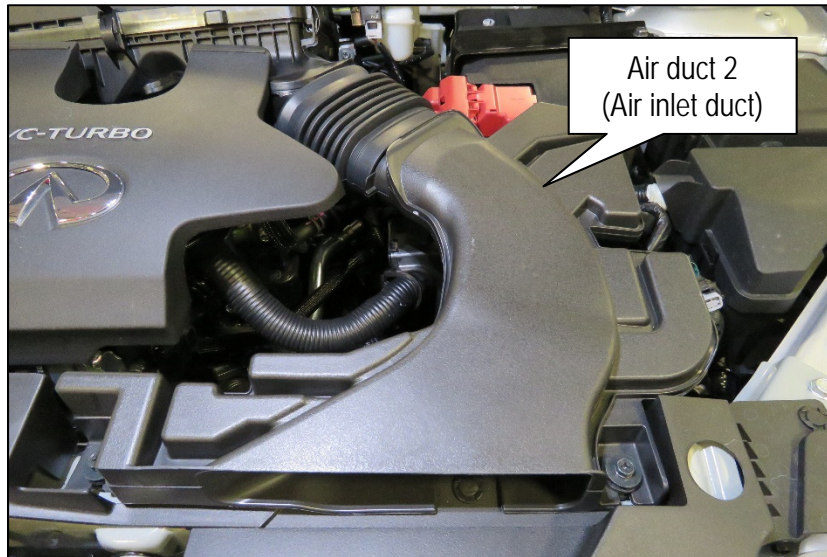


Figure 2

5. Remove the core support cover.



Figure 3

6. Remove the upper horn.
7. Disconnect the secondary latch cable from the hood lock assembly.

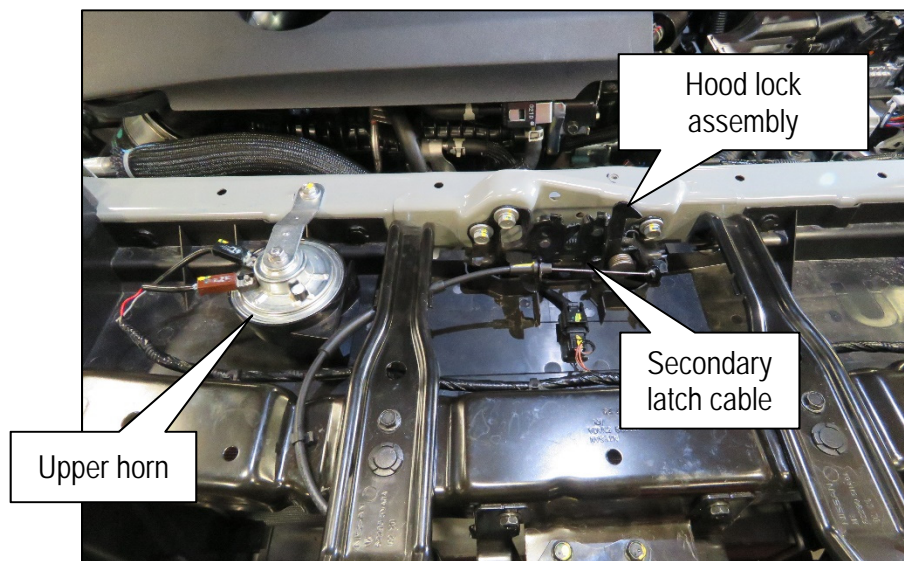


Figure 4

8. Remove the two (2) upper fascia retainer supports.

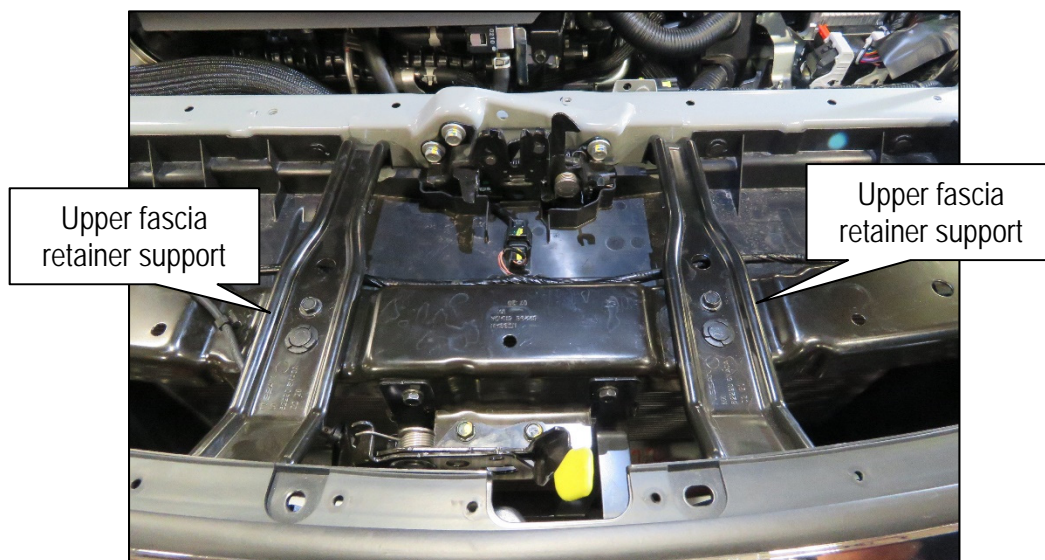


Figure 5

9. Disconnect the hood lock assembly connector.
10. Unclip the wiring harness from the upper fascia retainer.
11. Remove the secondary latch.

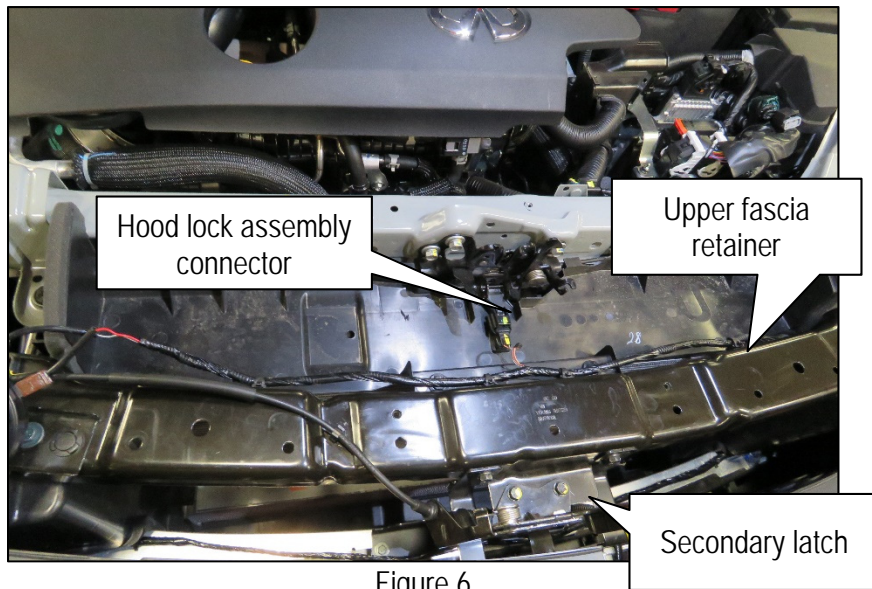


Figure 6

12. Remove the two (2) distance sensor upper bracket bolts.

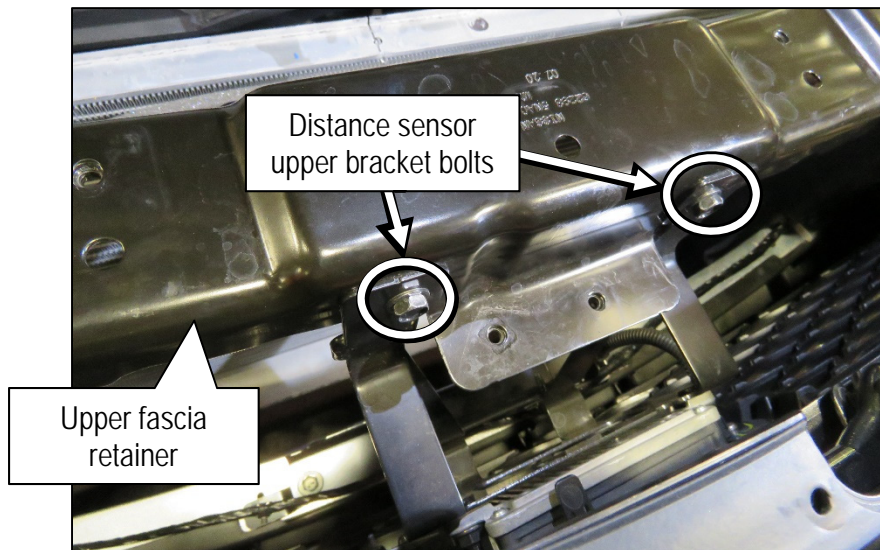


Figure 7

13. Remove the washer tank inlet from the washer tank.

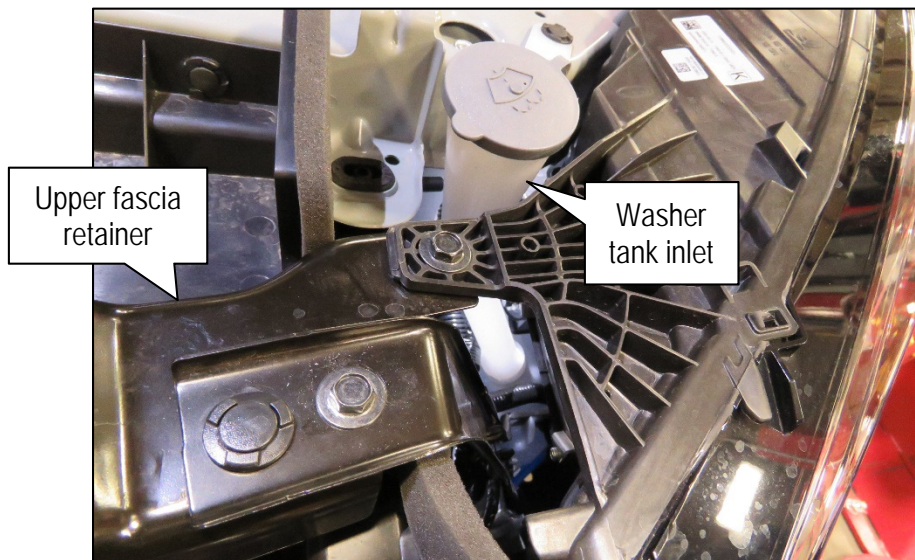


Figure 8

14. Remove the upper fascia retainer.
15. Remove the upper air guide.

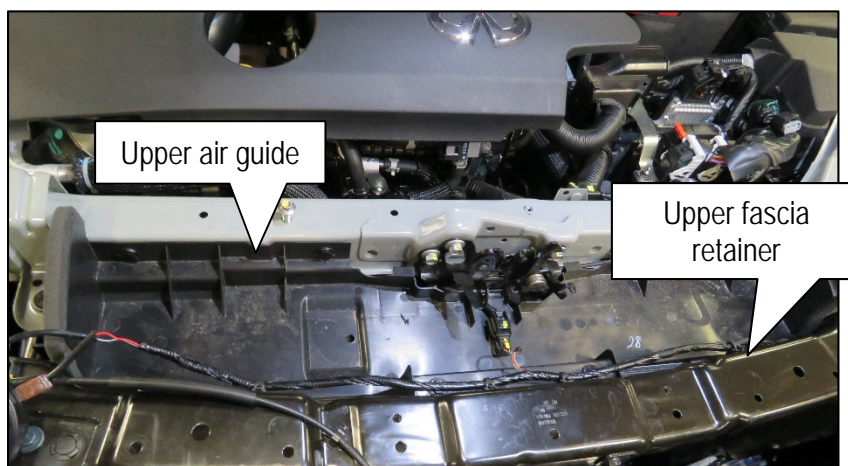


Figure 9

16. Remove the Air guide LH (driver side air guide).

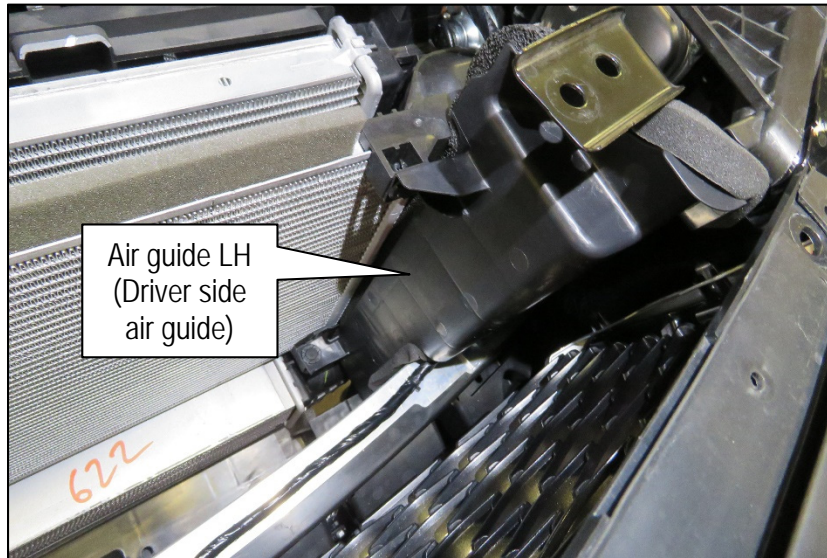


Figure 10

17. Remove the Air guide RH (passenger side air guide).

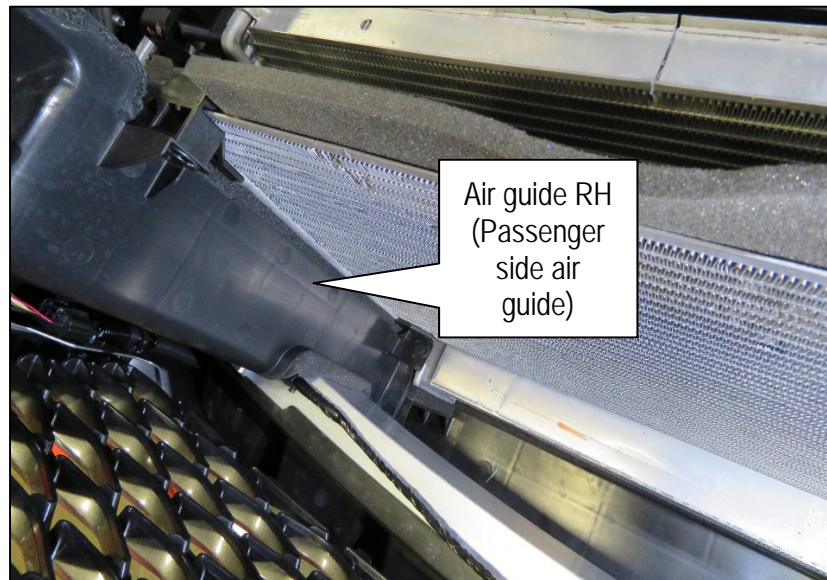


Figure 11

18. Release the pawls at each top corner of the condenser.

- Carefully lift the condenser up at both ends, and pull it slightly away from the radiator on the driver side.

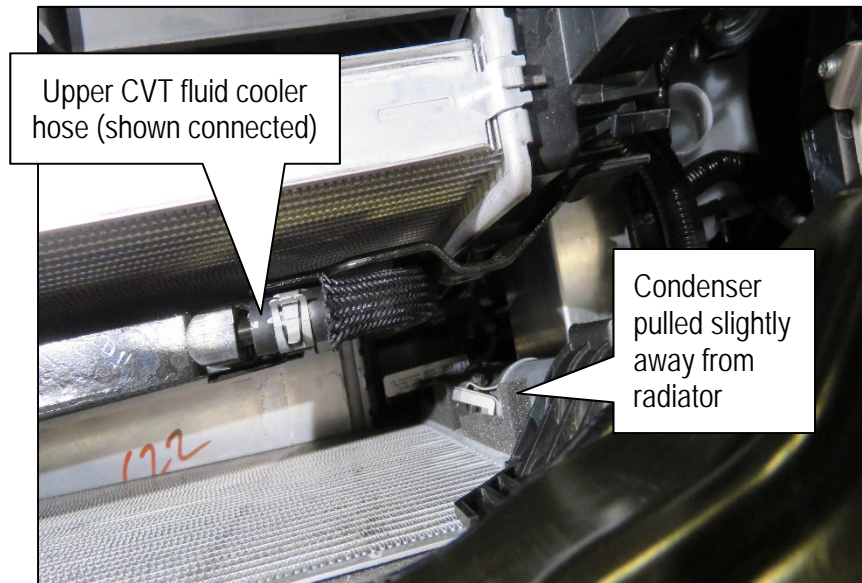


Figure 12

19. Remove the upper CVT fluid cooler hose from the cooler fitting, if it is not currently detached.

- Use a drain pan to catch any CVT fluid that might come out of the cooler hose and fitting.

20. Disconnect the upper CVT fluid cooler hose from the CVT oil warmer.

- Use a drain pan to catch any CVT fluid that might come out of the cooler hose and fitting.

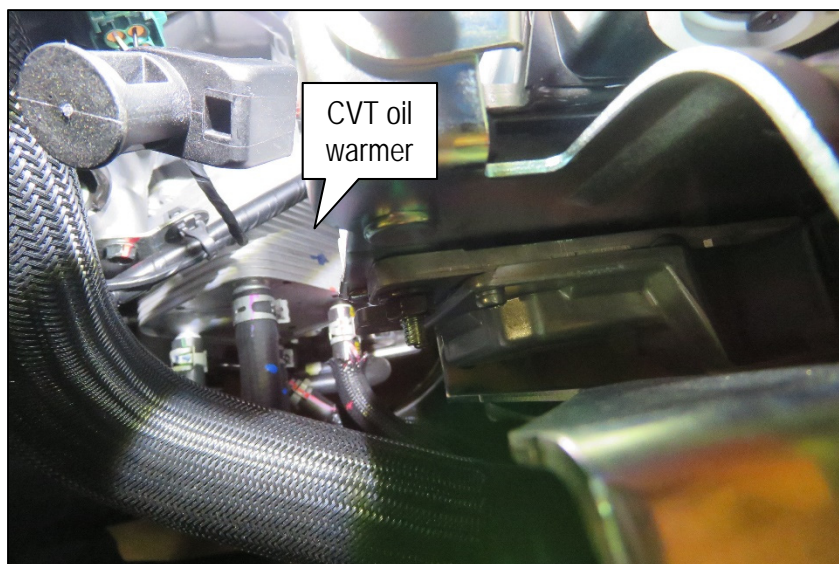


Figure 13

21. Remove the upper CVT fluid cooler hose from the vehicle.

NOTE: Do not reuse this hose and its related clamps. They will be replaced with those listed in the **PARTS INFORMATION**.

22. Clean the outer surfaces of both the CVT fluid cooler and the CVT oil warmer hose fittings with an alcohol wipe from the Squeak and Rattle Kit.
 - "Shop paper" (lint-free towel) and Nissan brake cleaner or equivalent cleaner can be used. Make sure the cleaner used complies with local regulations.
 - Always use a lint-free towel. Never use a shop cloth.
23. Install the new upper CVT fluid cooler hose and route it exactly like the original hose using new clamps.

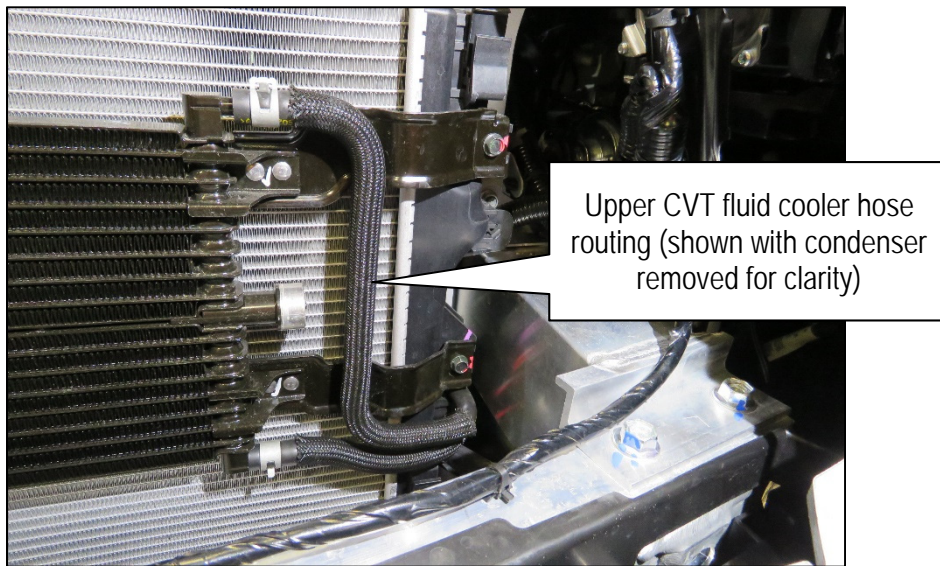


Figure 14

24. Reassemble the vehicle in reverse order of disassembly.
25. Adjust the CVT fluid to the correct level. Refer to the ESM: **TRANSMISSION & DRIVELINE > TRANSAXLE & TRANSMISSION > CVT: GE0F10A > PERIODIC MAINTENANCE > CVT FLUID**.
26. Perform radar alignment. Refer to the ESM: **CRUISE CONTROL & DRIVER ASSISTANCE > DRIVER ASSISTANCE SYSTEM > DRIVER ASSISTANCE SYSTEM > BASIC INSPECTION > ADDITIONAL SERVICE WHEN REPLACING ICC SENSOR**.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
HOSE-OIL COOLER, AUTO TRANSMISSION (CVT Cooler Hose)	21631-5NA0A	1
CLAMP-HOSE BAND (CVT Cooler Hose Clamp)	21639-7990A	2
Nissan NS-3 CVT Fluid (1) (2)	NS3999MP-CV0NS3	As needed

- (1) For warranty repairs, Nissan NS-3 CVT Fluid **must** be used. For customer pay repairs, Nissan NS-3 CVT Fluid, or an equivalent, is recommended.
- (2) Order this item through the Infiniti Maintenance Advantage program: Phone 877-INF-IMA1 (877-463-4621). Website order via link on the dealer portal; www.NNAnet.com and click on the "Maintenance Advantage-Tire/Battery/Chemical" link.

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace CVT Oil Cooler Hose	(1)	CX37AA	ZE	32	1.9

- (1) Reference the electronic parts catalog and use the A/T Oil Cooler Hose (21631-*****) as the Primary Failed Part (PFP).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
December 23, 2020	ITB20-030	Original bulletin published

