



SB-10052883-6508

SERVICE BULLETIN

Classification: AT13-014b	Reference: NTB13-079b	Date: August 15, 2014
------------------------------	--------------------------	--------------------------

**2007-2012 ALTIMA; REDUCED PERFORMANCE DUE TO CVT
FLUID TEMPERATURE PROTECTION LOGIC**

This bulletin has been amended to remove the pre-authorization check sheet and add CVT temp count A/B. Please discard all previous versions.

APPLIED VEHICLE: 2007-2012 Altima (L32)
APPLIED ENGINE: 4 Cylinder **only**

IF YOU CONFIRM

The vehicle speed is, or was, reduced by the CVT fail-safe (reduced vehicle speed) after continuous operation under the following conditions:

- High RPM and/or high speed driving (RPM of 4000+ or speeds of 65 mph (104.6 km/h) for 1.0 – 1.5 hrs or more)
- Driving in ambient temperature of 96 degrees or higher
- Climbing steep or extended hills for 6 miles (9.6 km) or more
- Whine or rattle type noise occurring during reduced engine performance (vehicle speed decrease)

ACTION

1. Perform a self diagnosis with CONSULT-III plus (C-III plus).
 - If DTCs are present, refer to the appropriate section of the Electronic Service Manual (ESM) and diagnose the DTCs first before proceeding to step 2 of **ACTION**.
2. Check the number of counts of "CVT-A" and "CVT-B" with C-III plus.
 - Refer to the Flow Chart on page 2 and the Service Procedure starting on page 3 to confirm if this bulletin applies.

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 the repair.

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.

Flow Chart

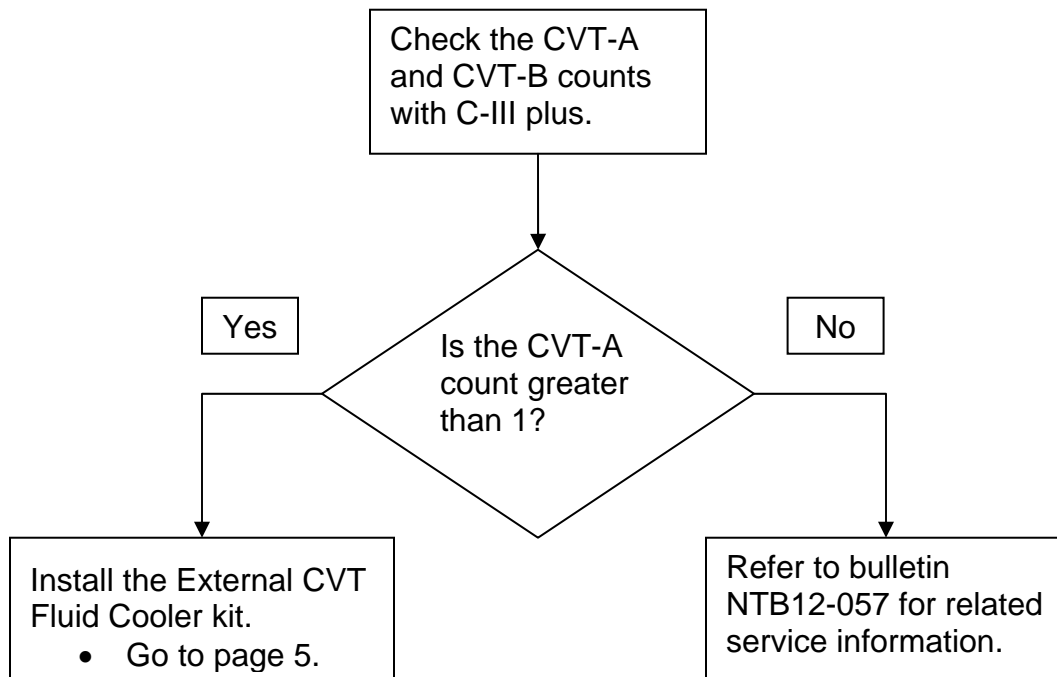
Important

Before applying this bulletin:

- Confirm that the CVT fluid has not been overfilled and/or that a non-approved CVT fluid has been added.
- Confirm that the coolant concentration is not greater than 50%.
 - CVT fluid that is overfilled or non-approved, or coolant concentrations greater than 50% can cause the symptoms in the IF YOU CONFIRM section on page 1.

Refer to NTB12-057 to resolve these conditions first if they should occur.

NOTE: Refer to the ESM for the correct CVT fluid and coolant type for the model and year vehicle that is being worked on.



NOTE: If the CVT-A count is not greater than 1 and similar symptoms to those in IF YOU CONFIRM and/or a DTC are present, refer to the Electronic Service Manual (ESM) and NTB12-057 for further diagnosis.

SERVICE PROCEDURE

Check CVT-A and CVT-B count with C-III plus

1. Open C-III plus and select **Diagnosis (All Systems)**.

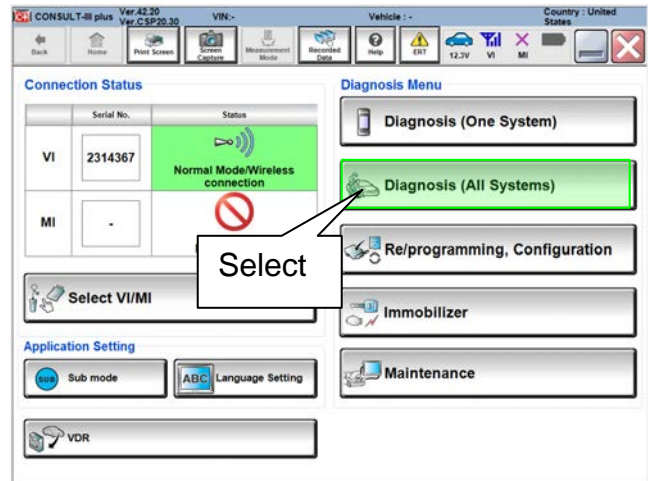


Figure 1

2. Select **TRANSMISSION**.

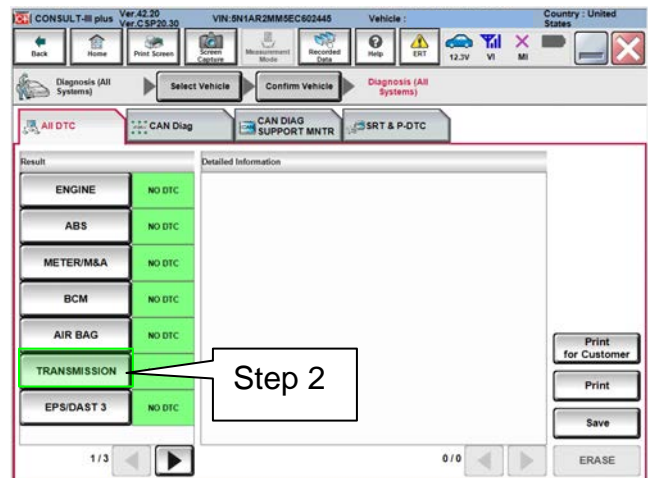


Figure 2

3. In **Data Monitor** select **TRANSMISSION** and then select **CVT-A** and **CVT-B**.

4. Select **START**.

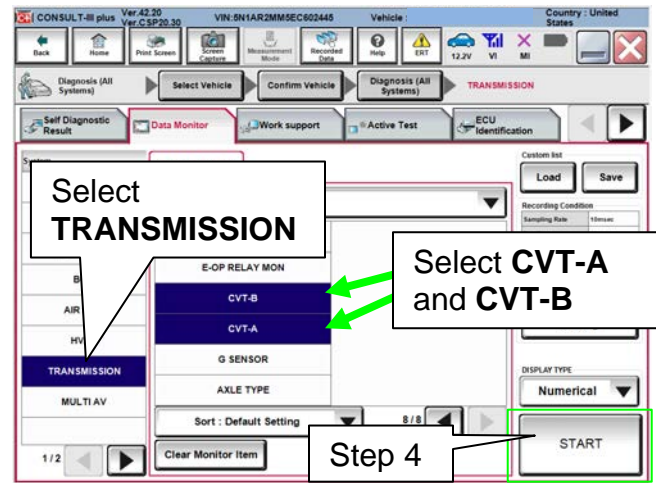


Figure 3

5. Check both **CVT-A** and **CVT-B** counts and refer to the Flow Chart on page 2 to confirm if this bulletin applies.

- Save this page to a file on the Consult PC for Step 6.

NOTE: If the CVT-A count is not greater than 1 and similar symptoms to those in IF YOU CONFIRM and/or a DTC are present, refer to the ESM and NTB12-057 for further diagnosis.

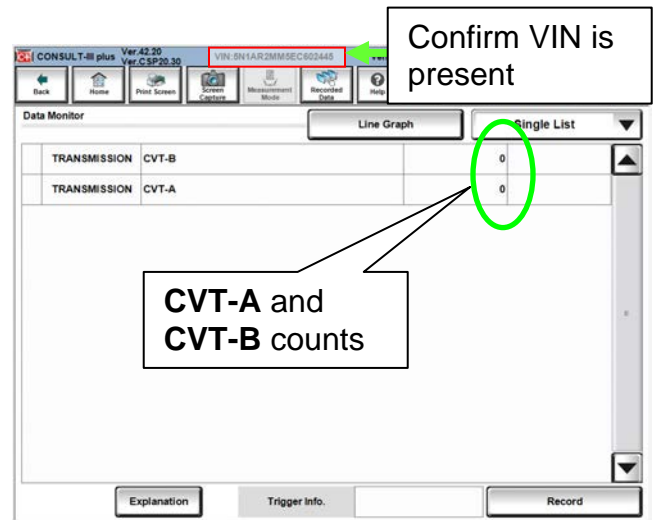


Figure 4

6. If it is confirmed that this bulletin applies, submit an order for the **SERVICE KIT** listed in the Parts Information table by sending an email with the screen print (Figure 4) from Step 5 to:

CVTOilCooler@nissan-usa.com

IMPORTANT: Please make sure the VIN number is clearly visible at the top of the screen print from Step 5 (Figure 4).

- Once DPIC has validated the order, a salesforce case will be generated for reference. You will receive a confirmation and the sales force case number to track the order status.
- Once the order is completed, you will receive a final confirmation of the order, including ETA of part arrival.

Install External oil cooler kit

1. Place the vehicle on a lift and raise as needed to perform the following procedure.

2. Attach the COOLER ASSY-AUTO TRANS to the radiator support ahead of the radiator/condenser:

a. Insert 3 bolts (Figure 5 and Figure 6) from the kit through the composite radiator support from the engine compartment side.

- These holes are pre-existing.

b. Install the COOLER ASSY-AUTO TRANS onto bolts.

c. Thread on the nuts and torque to 9.8 N·m (1.0 kg-m, 87 in-lb).

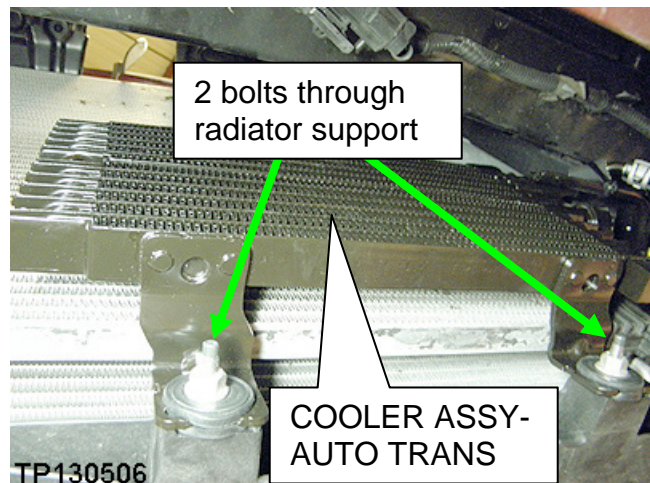


Figure 5

NOTE: Figure 5 is a view of the front of the radiator/condenser, taken from the bottom looking up.

3. Route both hoses through the radiator support shown in Figure 6.

4. Slide 1 “CLP - HOSE SPR PLATE” (spring clamp) onto each hose.

5. Attach both of the hoses to the COOLER ASSY-AUTO TRANS.

- See Figure 8 and Figure 9 on page 6 for correct hose routing.
- Do not release the CLP - HOSE SPR PLATE(s) yet, until the hoses are attached at their other ends.

6. Remove the upper radiator to CVT fluid hose from both the radiator and the CVT and discard this hose and its CLP - HOSE SPR PLATE(s).

7. Clean both radiator and CVT fittings with brake cleaner.

NOTE: Use genuine Nissan Brake Cleaner or equivalent.

8. Attach the new hose from the COOLER ASSY-AUTO TRANS to the upper radiator CVT fluid fitting.

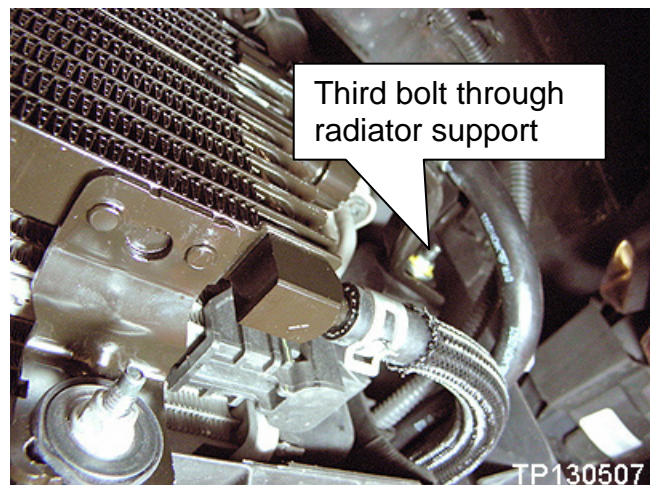


Figure 6

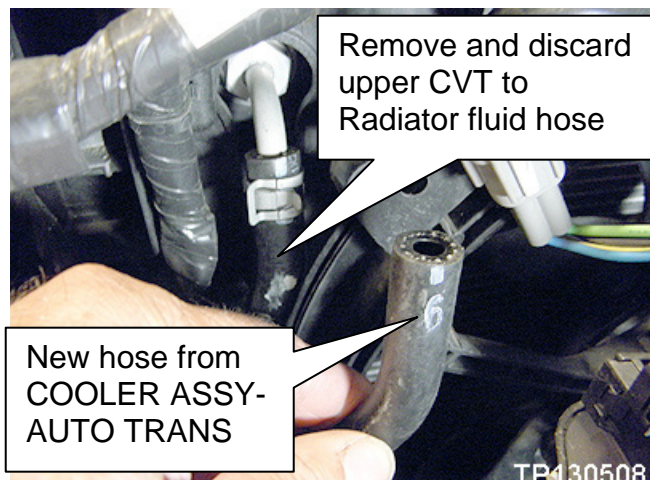


Figure 7

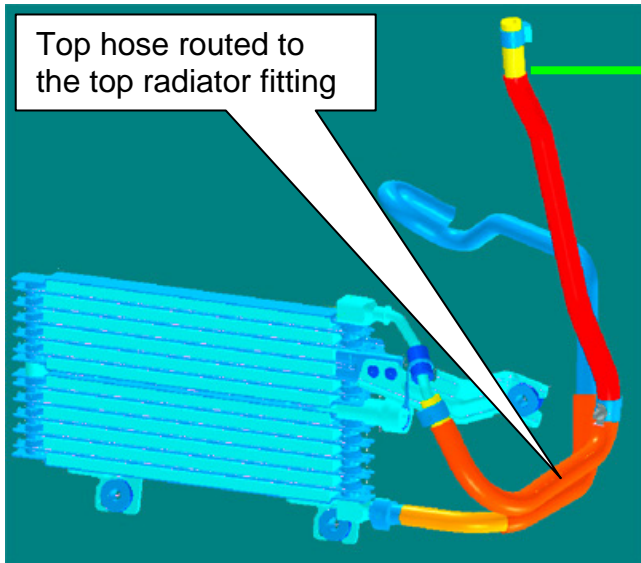


Figure 8

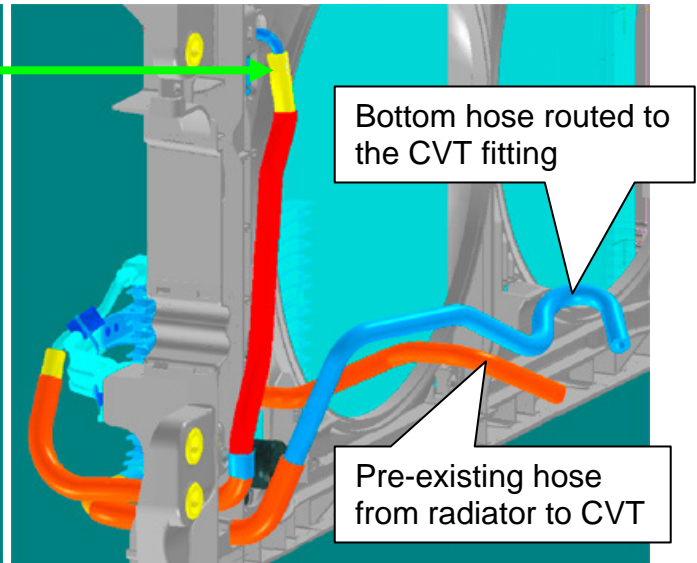


Figure 9

Figure 8 and Figure 9 show hose routing from the COOLER ASSY-AUTO TRANS (external CVT cooler) to the radiator and the CVT.

9. Attach the second COOLER ASSY-AUTO TRANS fluid hose to the CVT (Figure 10).
10. Position and release all 4 of the CLP - HOSE SPR PLATE(s) (spring clamps).
 - Position the CLP - HOSE SPR PLATE as close to each fitting bulge as possible and then release them.

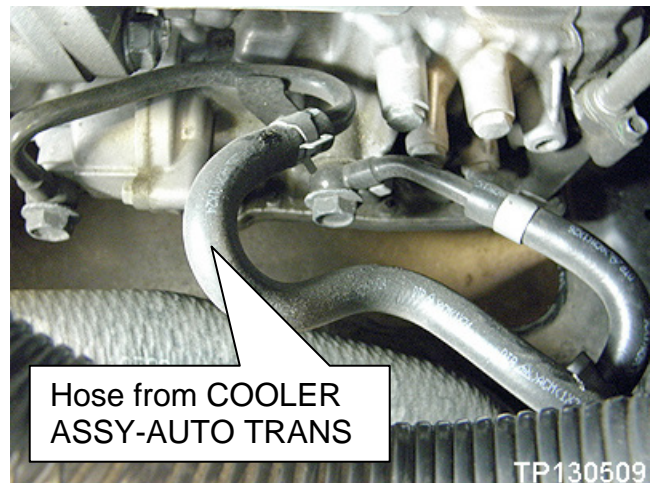


Figure 10

NOTE: Confirm that the CLP - HOSE SPR PLATE(s) are not on top of the fitting bulge or on an angle.

11. Check the level of the CVT NS-2 Fluid and add as needed.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
SERVICE KIT-COOLER ASSY	21606-ZX59A	1*
NS-2 CVT Fluid	999MP-NS200P	As needed

NS-2 CVT Fluid can be ordered from the Maintenance Advantage website that can be accessed through www.nnanet.com (NNANET.COM, Parts & Service, Maintenance Advantage-Tire/Wiper/Battery/Chemical).

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Oil cooler kit installation	21606-ZX59A	JX15AA	AE	32	0.8

Table A

PART NAME	QTY PER KIT
COOLER ASSY-AUTO TRANS	1
HOSE-AUTO TRANS, UPR	1
HOSE-AUTO TRANS, LWR	1
CLP - HOSE SPR PLATE	4
BOLT-HEX	3
NUT-HEX	3