INFINITI® SERVICE BULLETIN

Classification:	Reference:	Date:
AT15-007h	ITB15-012h	October 22, 2019

2013 JX35 AND 2014 – 2018 QX60; CVT JUDDER AND DTC P17F0 OR P17F1 STORED

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

APPLIED VEHICLES: 2013 JX35 (L50)
2014-2018 QX60 (L50) V6 engine only

APPLIED VIN / DATE: 2013 JX35 - built after 5N1AL0M(*)(*)DC 343902 / March 26, 2013
2014-2018 QX60 – All with V6 engine

APPLIED TRANSMISSION: CVT

IF YOU CONFIRM:

The customer reports a transmission judder (shake, shudder, single or multiple bumps or vibration)

AND

One of these DTCs is stored.

- P17F0 (CVT_JUDDER (T/M INSPECTION))
- P17F1 (CVT_JUDDER (C/U INSPECTION))

NOTE:
- If a transmission judder (as described above) is not reported, this bulletin does not apply.
- If either P17F0 or P17F1 are not stored, this bulletin does not apply.

ACTIONS:

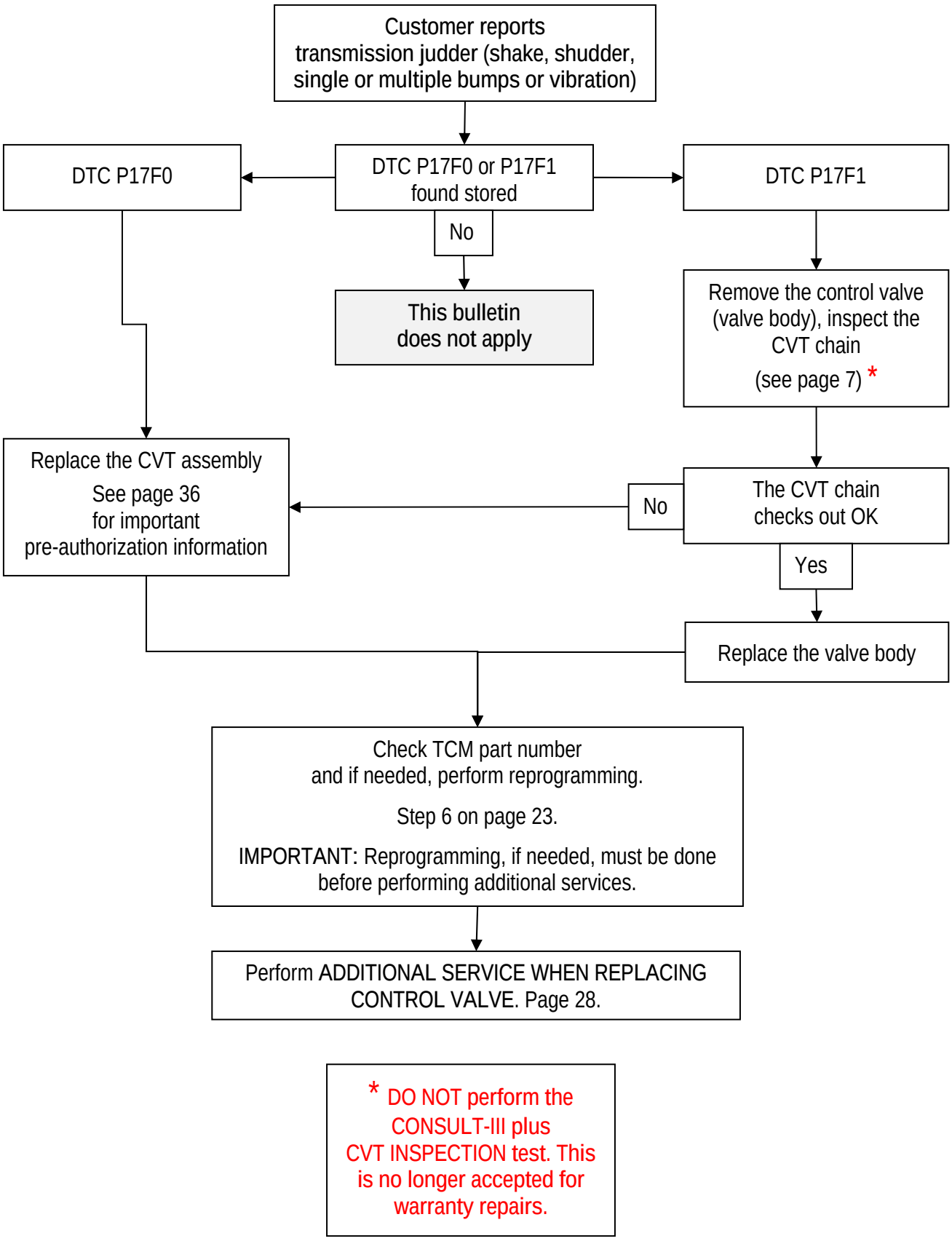
Perform the SERVICE PROCEDURE, starting on page 3.

- Review the Repair Flow Chart on the next page.

NOTE: Essential Tool Tech Cam (borescope) J-51951 has been sent to dealers. This tool's attachments make CVT inspection possible.

IMPORTANT: The purpose of "ACTIONS" (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.

Repair Flow Chart



SERVICE PROCEDURE

Check for Stored DTCs

1. Before starting, it is IMPORTANT to make sure:
   - ASIST on the CONSULT PC has been freshly synchronized (updated).
   - All CONSULT related software updates (if any) have been installed.
2. Once all ASIST and CONSULT related updates have been performed, attach the CONSULT PC to the vehicle.
   - Connect the plus VI to the vehicle.
   - Connect the AC adapter to the CONSULT PC.
3. Turn ON the CONSULT PC, and then open CONSULT III plus (C-III plus).

   NOTE: Make sure all applications other than C-III plus are closed.
4. Press the ignition switch twice without depressing the brake pedal.
   - The meter and gauges will illuminate.
   - Do Not start the engine.
   - Make sure ALL accessories are turned OFF.
5. Wait for the plus VI to be recognized / connected.
   - The serial number will display when the plus VI is recognized / connected.
6. Go to Diagnosis (All Systems).

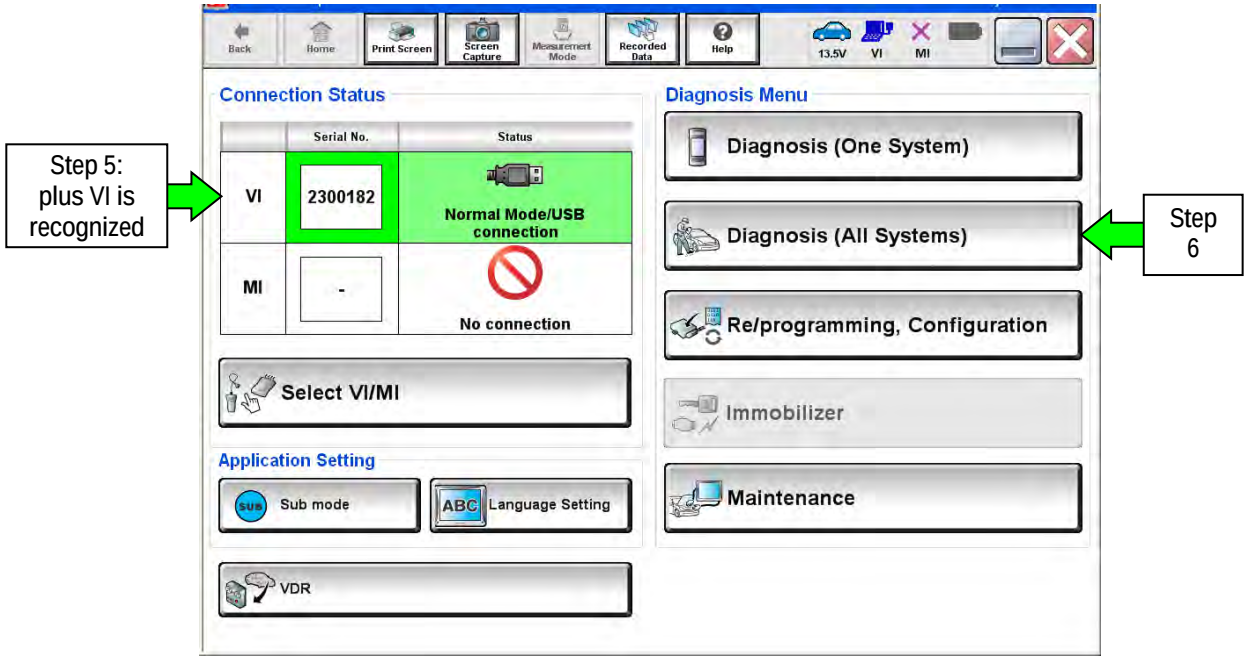


Figure 1

7. Select TRANSMISSION.

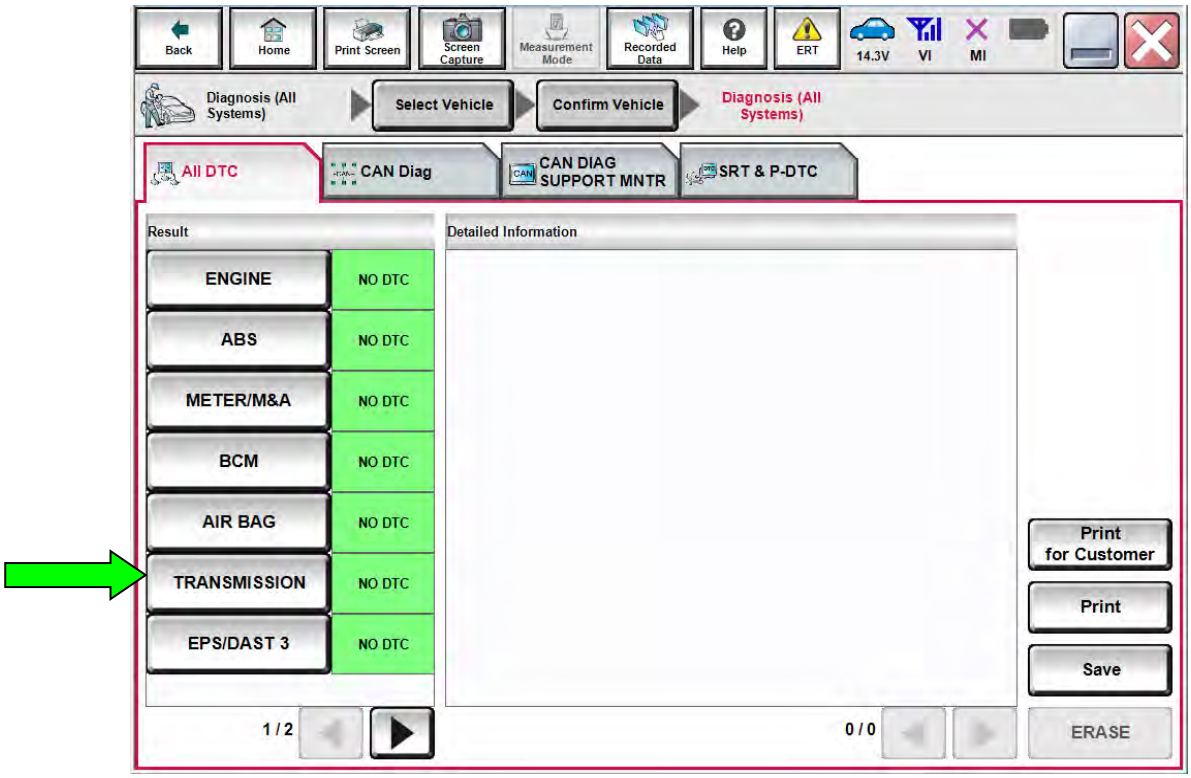


Figure 2

8. Select the **Self Diagnostic Result** tab, print the screen showing the VIN and DTC, and then attach the printout to the repair order.

   IMPORTANT: The screen printout MUST clearly show the VIN and DTC.

   a. If P17F0 is stored, replace the CVT assembly.

      - For CVT assembly pre-approval, refer to page 36, **CVT Assembly Replacement Approval Procedures**.
      - Refer to the appropriate Electronic Service Manual (ESM), section **TM-Transaxle & Transmission**, for CVT assembly replacement procedure.
      - After replacing the CVT, reprogram the TCM (page 22) and perform additional service when replacing a control valve (page 28).

   b. If P17F1 is stored, go to page 7, **Control Valve (Valve Body) Removal and CVT Chain Inspection – for DTC P17F1 ONLY** after completing steps 9-12.

   c. If neither P17F0 nor P17F1 are found stored, this bulletin does not apply. Close C-III plus, and then refer to ASIST and the ESM for further diagnosis.

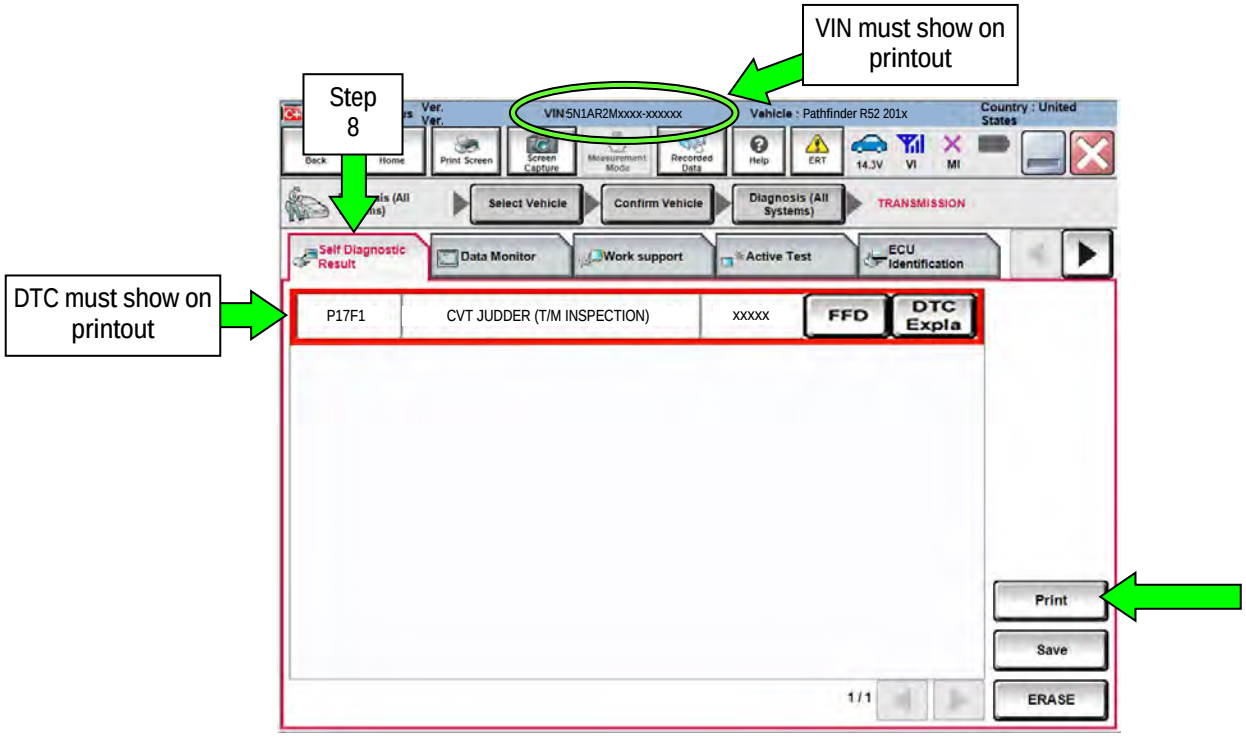


Figure 3

9. Close C-III plus.

10. Turn the ignition OFF.

11. Disconnect the plus VI from the vehicle.

For vehicles with P17F1, go to page 7, **Control Valve (Valve Body) Removal and CVT Chain Inspection – for DTC P17F1 ONLY** after completing steps 8-11.

Example: Exploded View of Control Valve (valve body)

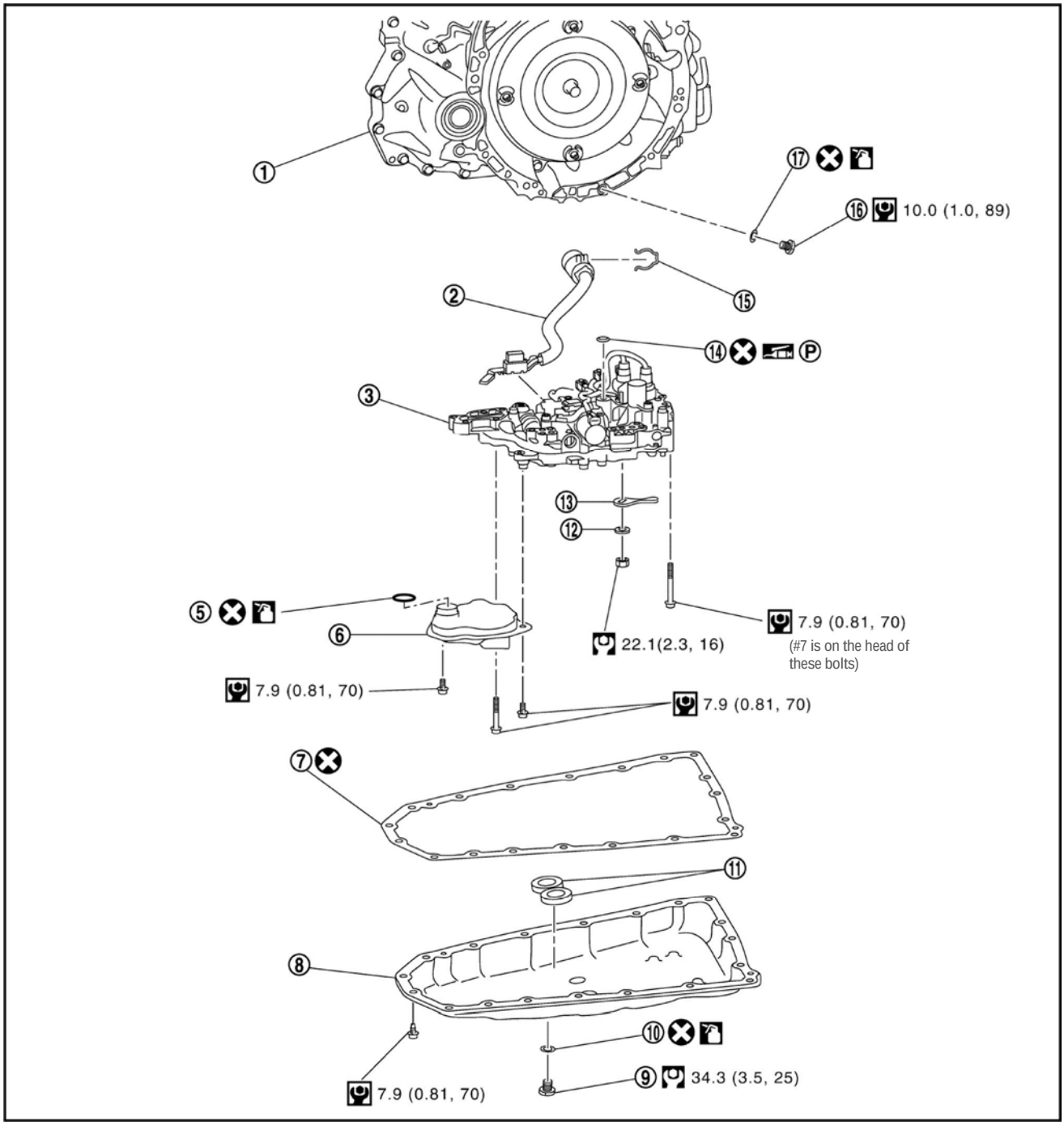


Figure 4

1. Transaxle (CVT) assembly
2. Terminal cord assembly
3. Control valve (valve body)
5. O-ring
6. Oil strainer assembly
7. Oil pan gasket
8. Oil pan
9. Drain plug
10. Drain plug gasket
11. Two magnets
12. Spring washer
13. Manual plate
14. Lip seal
15. Snap ring
16. Overflow plug
17. O-ring

: Always replace after every disassembly.

: N·m (kg-m, ft-lb)

: N·m (kg-m, in-lb)

Control Valve (Valve Body) Removal and CVT Chain Inspection – for DTC P17F1 ONLY

1. Remove the valve body.

- Before lifting the vehicle:
  - Place the transmission gear selector in Neutral.
  - Leave the driver door unlatched. A step further in the procedure may require it.

- Refer to the Electronic Service Manual (ESM), section TM – Transaxle & Transmission, for valve body removal.

  NOTE:

  - The number '7' is on the head of all bolts that need to be removed for valve body removal. Do not remove any bolt that does not have the number '7'.
  - Due to multiple model vehicles, pictures throughout the service procedure are examples and may not exactly match your vehicle.

  CAUTION: Never allow any chemicals or fluids other than NS-3 CVT fluid or equivalent to enter the CVT assembly. Never allow any foreign debris, dust, dirt, etc. to enter the CVT assembly.

  NOTE: For additional information, see video # 546: "CVT Chain Inspection". This video is located under the TECH TRAINING GARAGE VIDEOS tab in Virtual Academy.

2. Secure the right front tire with a suitable strap.
   - This will assist in making the chain turn.
3. Mark the left front tire with a suitable marking.
   - This will assure all 360° of the chain is inspected.

Figure 5

4. Using borescope J-51951 with mirror attachment, visually inspect the side of the chain that comes in contact with the pulley:

   a. First inspect the entirety (360°) of the driver side of the chain that comes in contact with the pulley (see page 10, Figure 9 and 10, and page 12, Figure 13).

   b. If the inspection result is OK on all 360°, inspect all 360° of the passenger side of the chain.

      NOTE: Reference the pictures on page 13-15 for comparison.

      - Insert the camera lens behind the pulley between the guide rail and pulley where shown in Figure 6 (also see page 9-10, Figure 7-10).

      - Insert the lens approximately 8-9 inches, and then view the side of the chain that contacts the pulley.

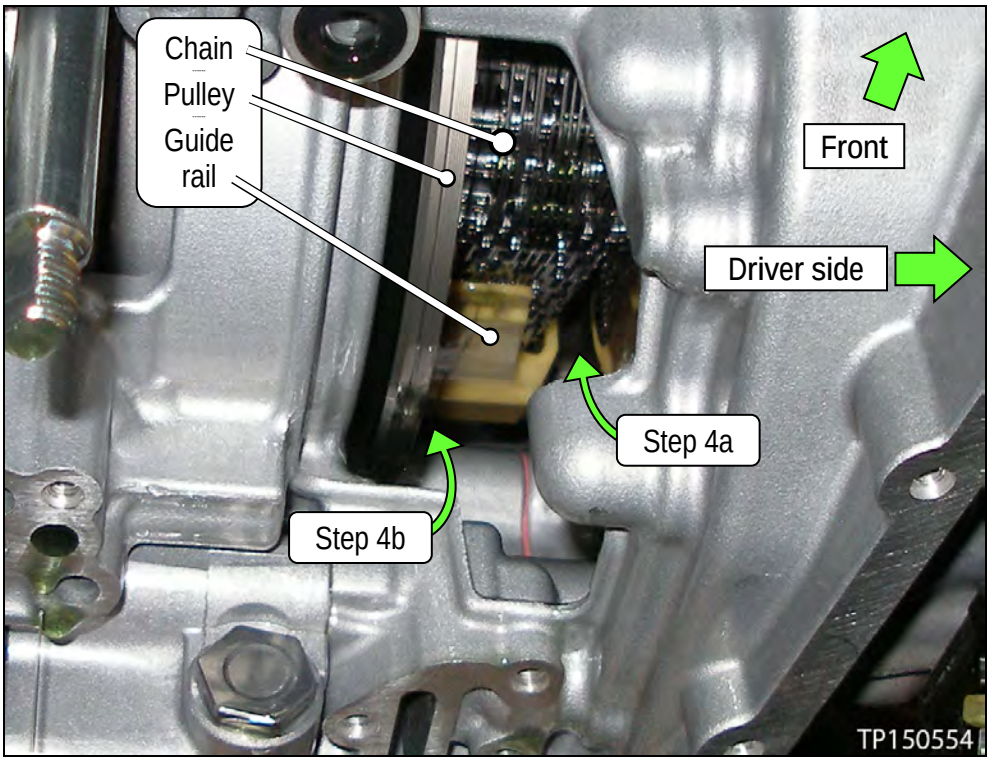


Figure 6

- Figure 7 shows where to insert the camera lens on the driver side of the chain.

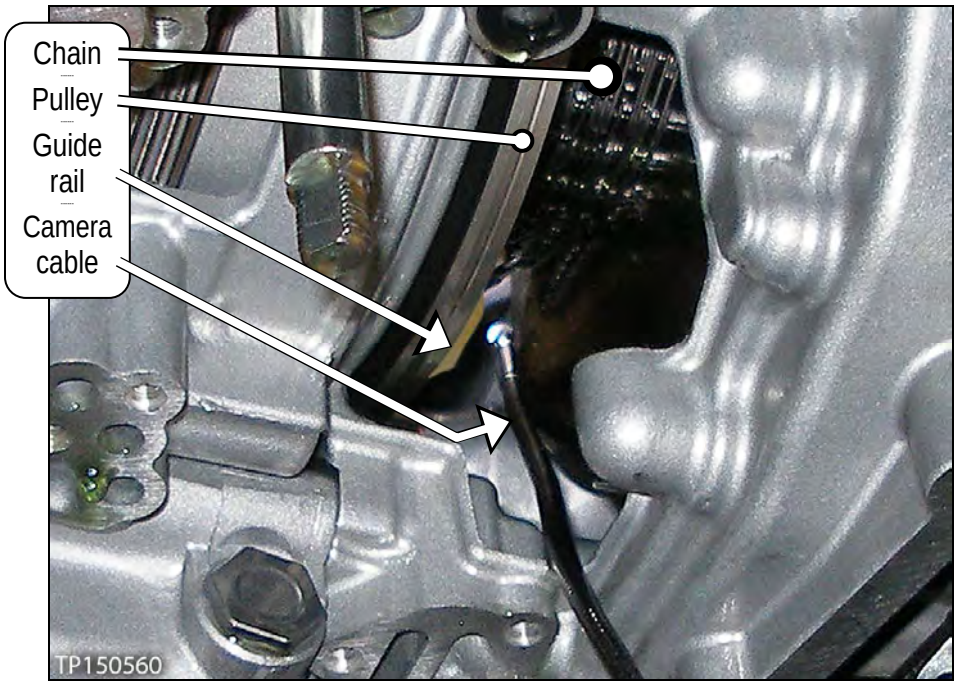


Figure 7

- Figure 8 shows where to insert the camera lens on the passenger side of the chain.

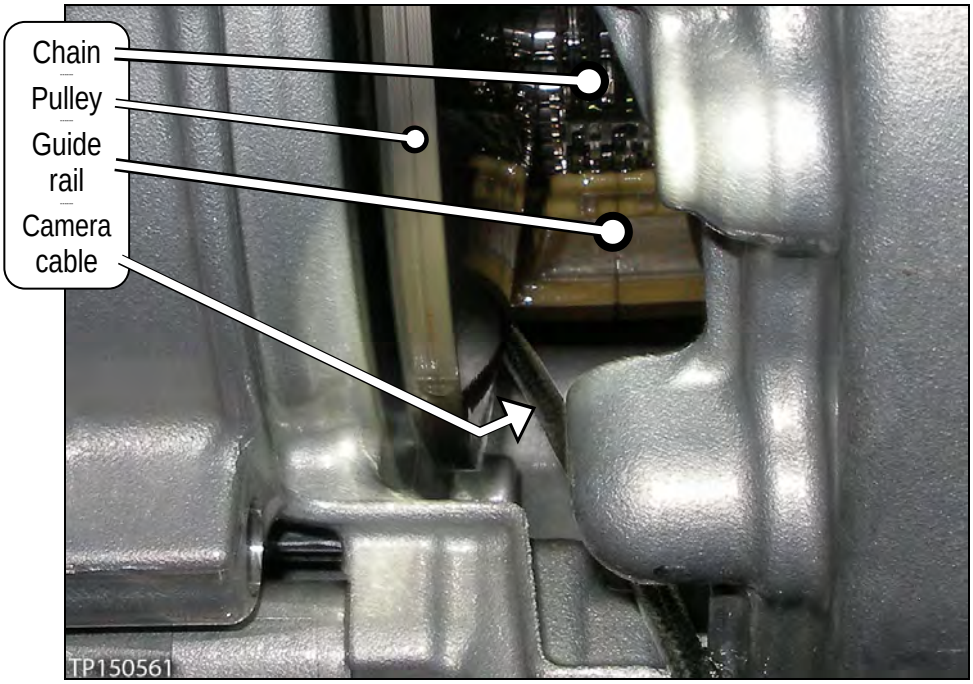


Figure 8

- Figures 9 and 10 show the routing and location of the camera.

  NOTE: The CVT's side cover was removed for easier viewing of camera location. The side cover is not to be removed at any time during this procedure.

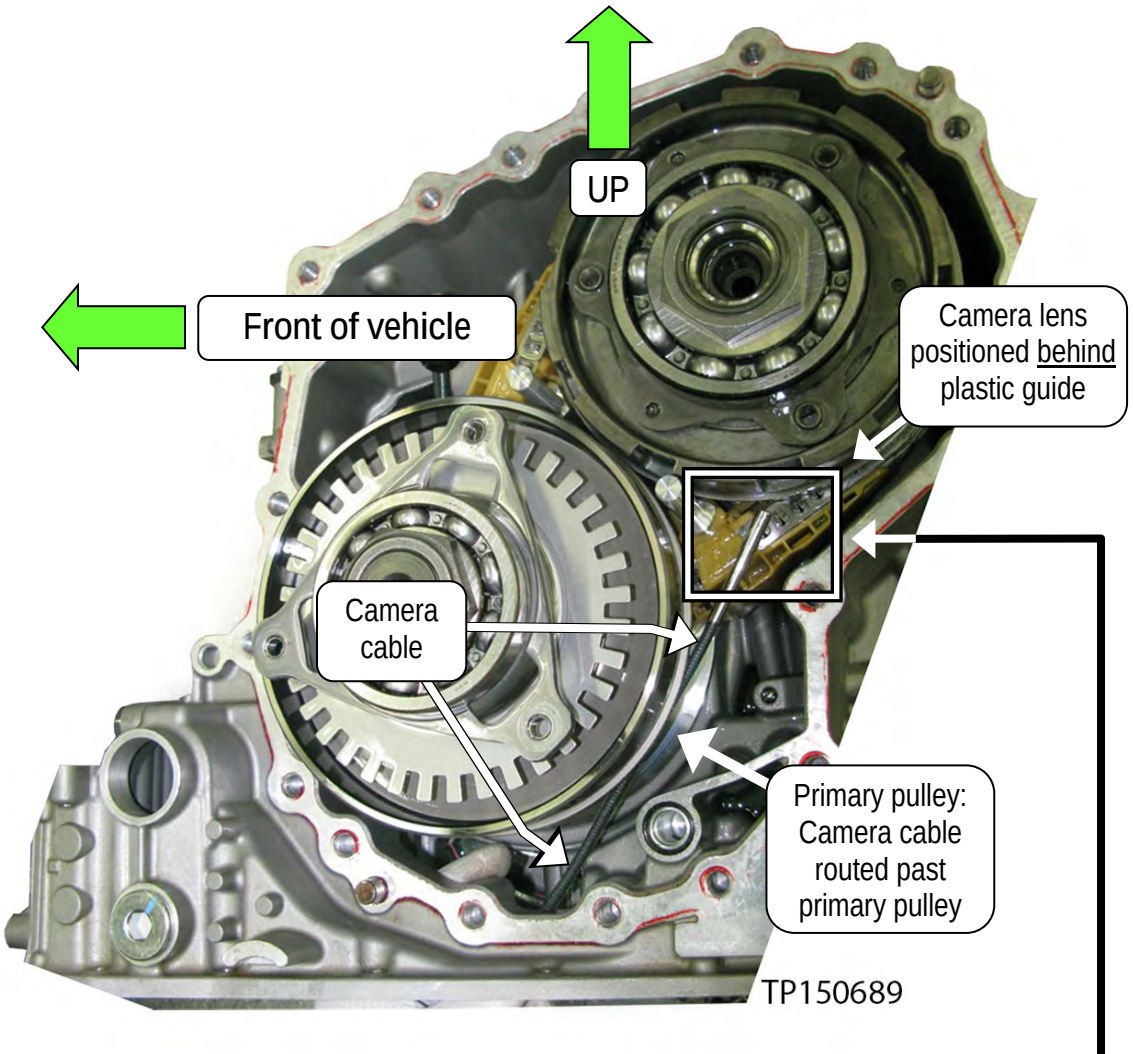


Figure 9

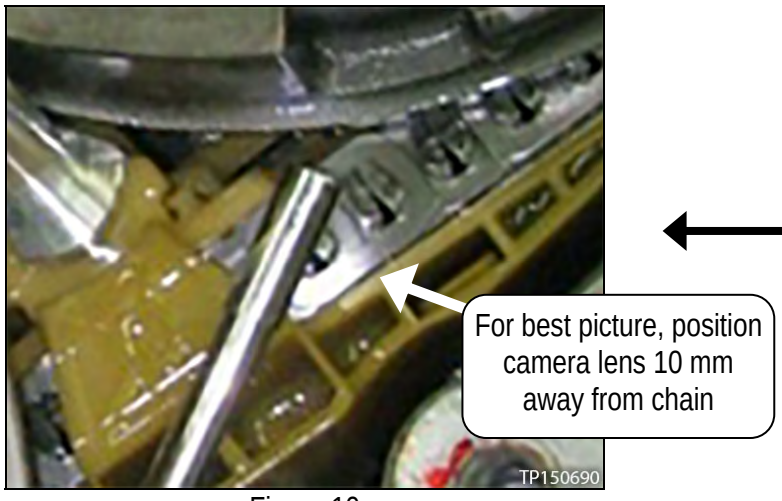


Figure 10

4c. Slowly and carefully turn the left front tire one full turn <u>in the forward rotation</u> to view all of the chain.

- Holding the borescope with one hand allows for turning the tire with the other hand (see Figure 11).

CAUTION: If the tire is rotated in the rearward rotation, the camera lens may get caught between the chain and pulley.

Figure 11

d. If the inspection result is OK on all 360° on both sides of the chain, skip to step 5 on the next page.

- If any evidence of chain slippage is found, go to step 4e, and then skip to step 6.
- Refer to Garage Video 546 if needed (see bottom of page 7).

e. Once CVT replacement is determined as required, use borescope J-51951 to record a 15 second or less continuous video of the most severe evidence of chain slip and the VIN on the F.M.V.S.S. certification label (VIN label). See example in Figure 12.

- For best picture, the camera lens should be about 10 mm away from the object being recorded.

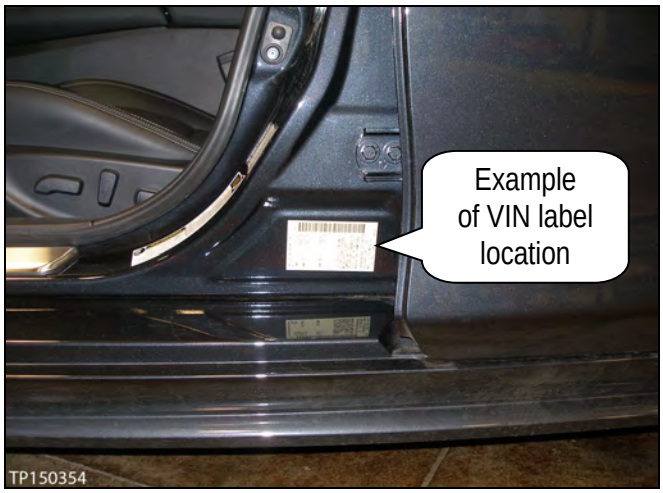


Figure 12

NOTE: This required video must be attached to the Powertrain Call Center CVT Preauthorization Form (in ASIST) prior to calling for authorization. Failure to submit a continuous video will cause immediate denial of request for replacement.

- Before starting to record, make sure the camera handle's AA batteries are fresh and the LCD monitor's battery is charged.
- The whole video will show as backward, or reversed mirror image. This is okay.
- The required video must show clear evidence of chain slippage and be 15 seconds or less.

5. Flush the CVT cooler(s).

   IMPORTANT: A CVT Cooler flush is required after a valve body or CVT assembly replacement. Refer to bulletin ITB15-010 to perform CVT Cooler flush.

6. If the chain inspection result is OK, replace the valve body.

   - There is no need for pictures or video showing "OK" chain surfaces.
   - For valve body replacement, go to page 16, Control Valve (Valve Body) Installation.

7. If the chain inspection result is NG, replace the CVT assembly.

   - Get authorization to replace the CVT assembly (see page 36).
   - Make sure to perform step 4d on page 11.
   - Refer to the ESM, section TM – Transaxle & Transmission / BASIC INSPECTION, for CVT assembly replacement.

     IMPORTANT: Perform "ADDITIONAL SERVICE WHEN REPLACING TRANSAXLE ASSEMBLY".

     - Check for fluid leakage.
     - Install Write IP Characteristics to the TCM; see ITB13-055.

   - The CVT unit requiring replacement will need to be reassembled for Nissan parts return/collection.

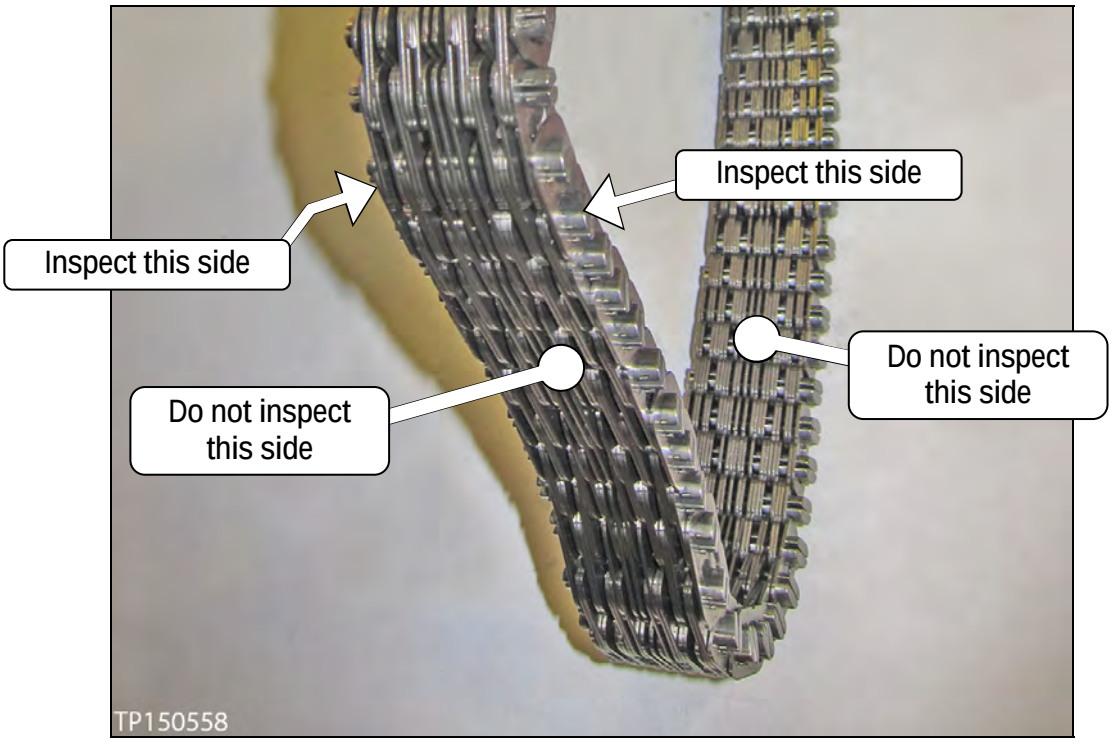


Figure 13

Figure 14
CVT chain

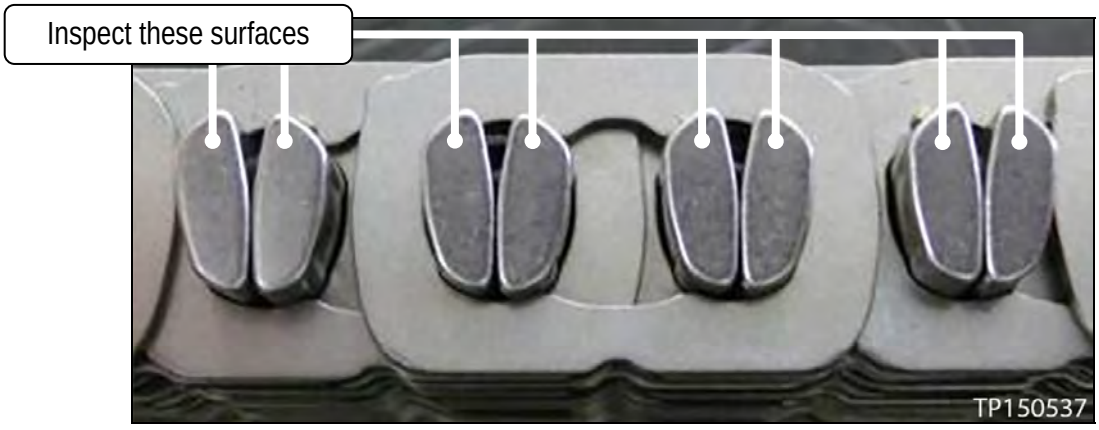


Figure 15
Close-up of area to be inspected

Pictures in Figure 16 and 17 were taken with borescope J-51951.

Figure 16

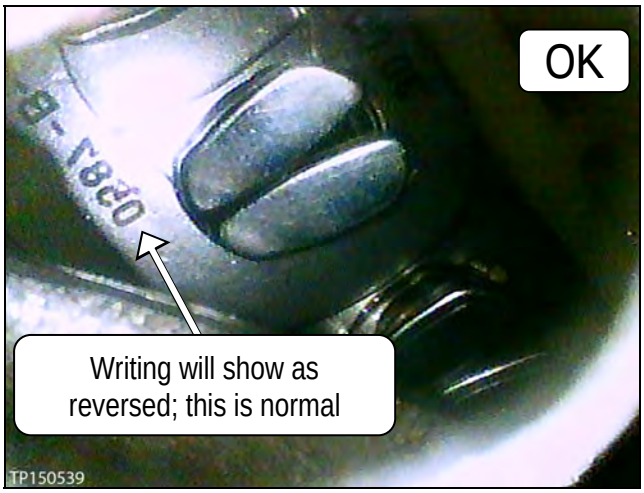


Figure 17

Figure 18

Figure 19

Pictures in Figure 20-21 were taken with borescope J-51951.

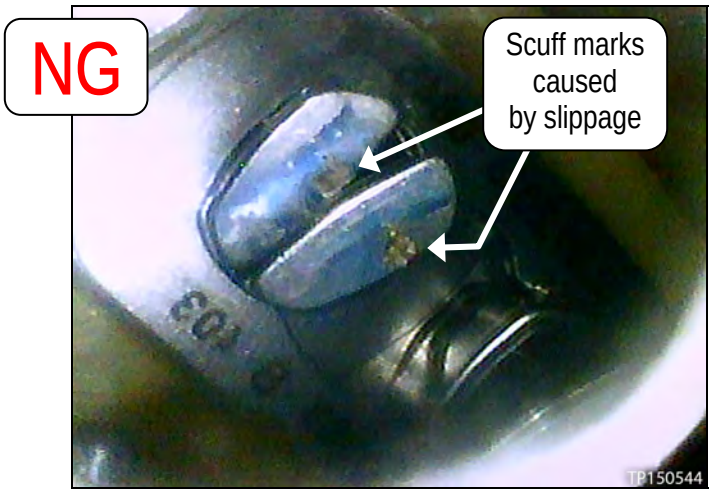


Figure 20

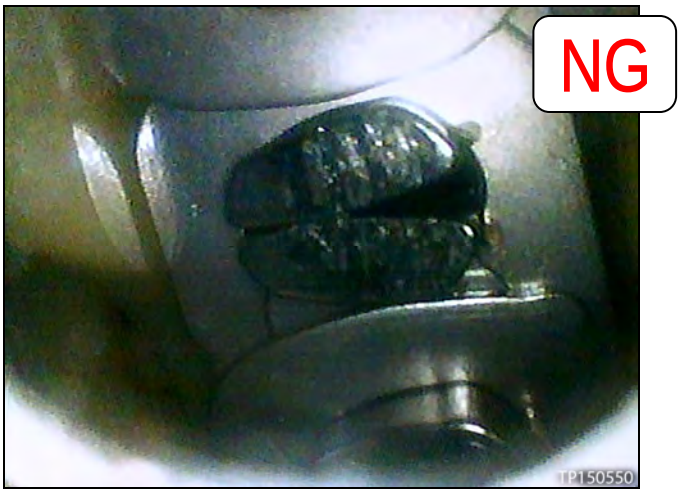


Figure 21

Figure 22

Figure 23

Figure 24

Control Valve (Valve Body) Strainer and Pan Installation

IMPORTANT: This section may contain different style parts than what were originally installed in the CVT. Pay careful attention, REASSEMBLY MAY NOT BE IDENTICAL TO DISASSEMBLY.

Confirm that the QR label, control valve and CD part numbers all match before installing the control valve.

CAUTION: Handle the valve body carefully.

1. Discard the oil strainer bracket (Figure 25).

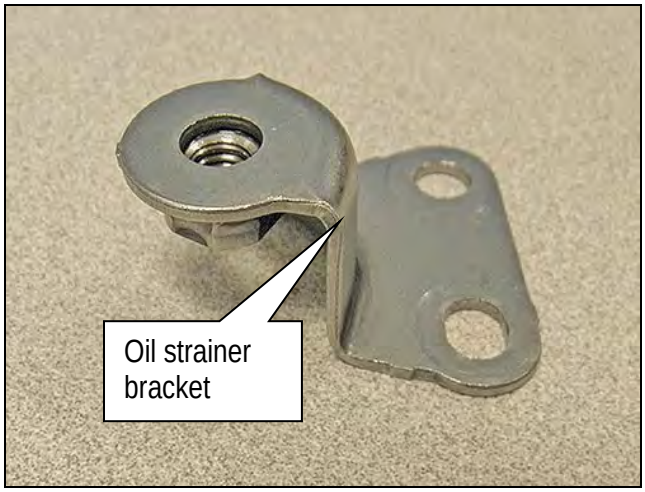


Figure 25

2. Install a new lip seal. Do NOT reuse the old lip seal (Figure 26).

   NOTE: Apply a small amount of petroleum jelly to the lip seal to keep it in place on the CVT.

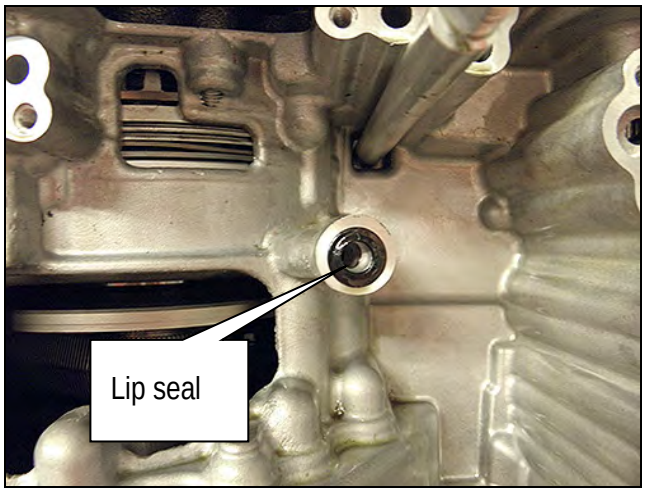


Figure 26

3. Install the Control Valve with eleven (11) mounting bolts (Figure 27).

   IMPORTANT: Leave Four (4) ✖ bolt holes blank at this step.

   CAUTION: Make sure the wiring harness does not get pinched (see Figures 28 and 29 for correct routing).

   - 54 mm long bolt 🔴 – 7 pieces
   - 44 mm long bolt 🔵 – 2 piece
   - 25 mm long bolt 🟡 – 2 piece

     CAUTION: The two 25 mm bolts are installed <u>WITHOUT</u> the strainer bracket.

     ➢ Bolt torque: 7.9 N•m (0.81 kg-m, 70 in-lb.)

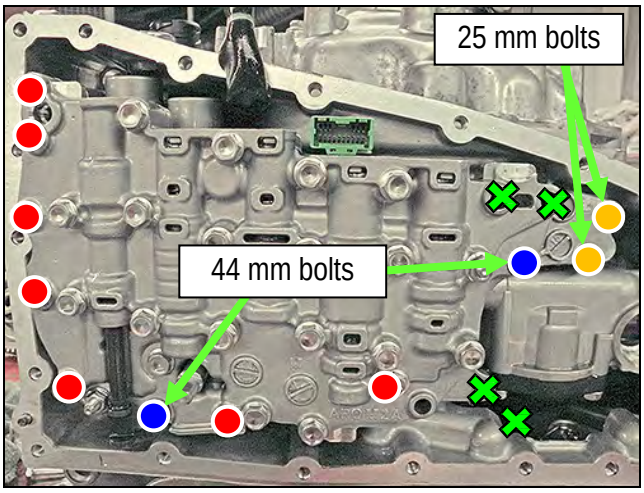


Figure 27

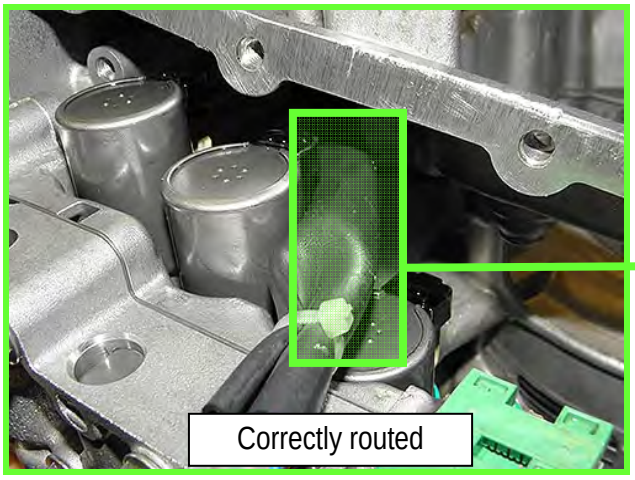


Figure 28

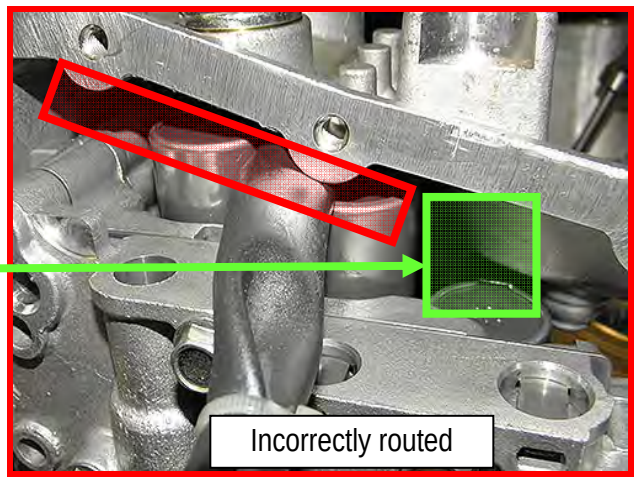


Figure 29

4. Replace the metal bracket of the temperature sensor as follows:

   NOTE: The new bracket will be oriented the same way the old bracket was.

   a. Cut the plastic zip tie with an appropriate tool to remove the temperature sensor bracket from the terminal harness assembly. (Figure 30).

      CAUTION: Cut the plastic zip tie over the metal bracket to avoid damage to the temperature sensor.

   b. Discard the removed bracket and plastic zip tie.

   c. Use the plastic zip tie from Parts Information to attach the new temperature sensor bracket to the temperature sensor of the terminal connector harness.

      IMPORTANT: Locate the plastic zip tie at the <u>center notch</u> of three notches on the temperature sensor.

   d. Cut off plastic zip tie excess.

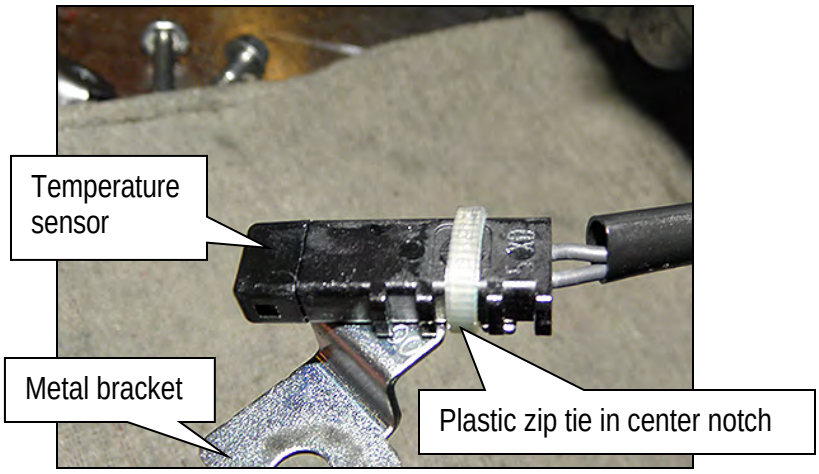


Figure 30

5. Connect the electrical harness connector (Figure 31).

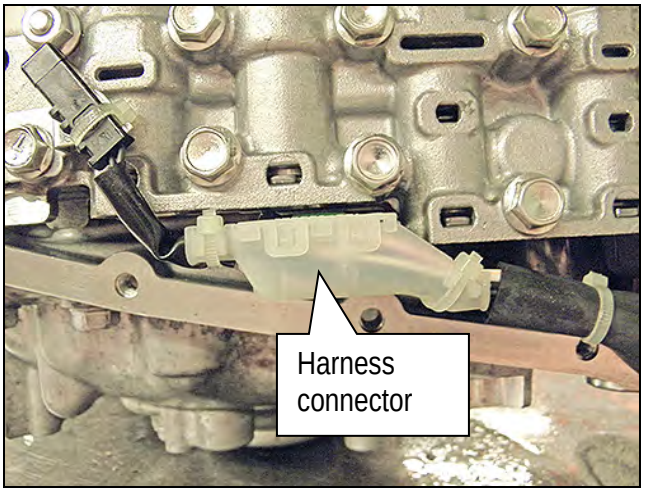


Figure 31

6. Install the CVT fluid temperature sensor bracket to the valve body with one (1) bolt (Figure 32).

   NOTE: Leave one (1) bolt hole blank as it will be used to secure the oil strainer at a later step.

   - Bolt torque: 7.9 N•m (0.81 kg-m, 70 in-lb.)
   - Bolt length: 54 mm

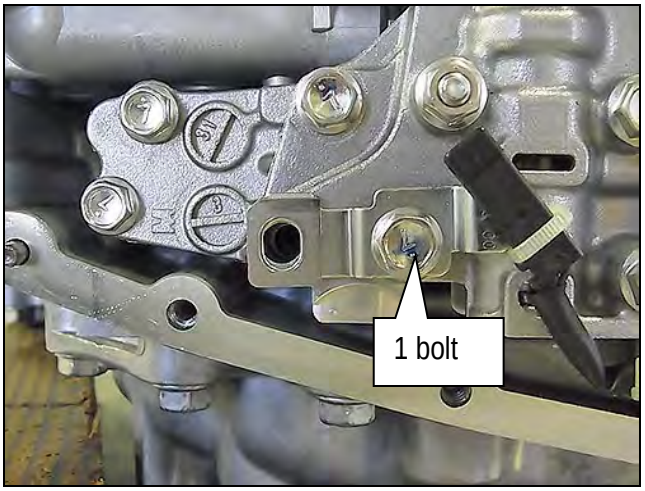


Figure 32

7. Install the new oil strainer with its new O-ring seal with two (2) bolts (Figure 33).

   NOTE: replacement strainer maybe a different shape.

   - Bolt torque: 7.9 N•m (0.81 kg-m, 70 in-lb.)
   - 54 mm long bolt - 2 pieces.

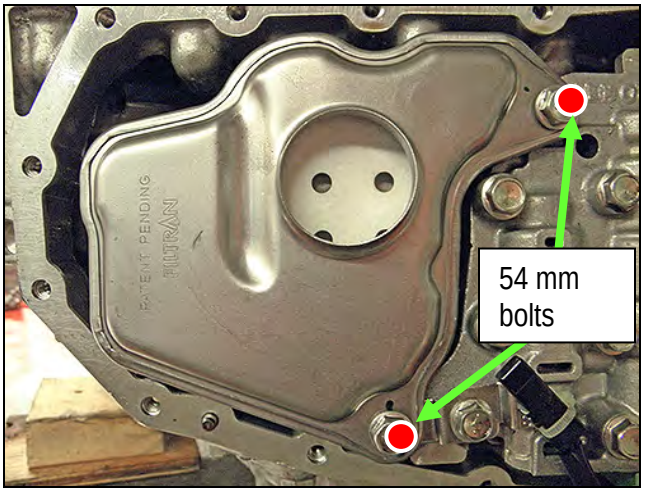


Figure 33

8. Install the manual plate, lock washer, and nut (Figure 34).

   NOTE: Make sure the manual plate fits into the slot of the manual valve before applying torque to the nut.

   - Reuse the existing manual plate, lock washer, and nut.
   - Nut torque: 22.1 N•m (2.39 Kg-m, 16 ft-lb.)

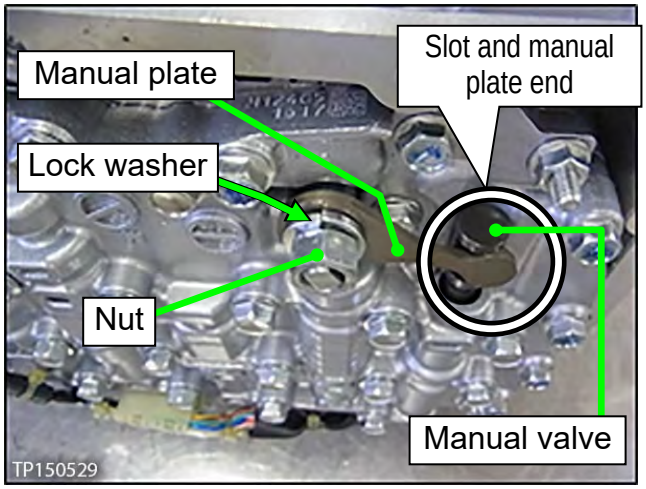


Figure 34

9. Clean the original oil pan and magnets with a suitable cleaner. Visible debris should not be present at re-assembly.

10. Reassemble the original magnets to the pan.

    NOTE: Return the magnets to their original locations.

11. Install a new oil pan gasket to the pan.

12. Install the oil pan bolts (see Figure 35).

    - Reuse the existing pan bolts.
    - Oil pan bolt torque: 7.9 N•m (0.81 kg-m, 70 in-lb.)

13. Install a new drain washer to the drain plug on the oil pan.

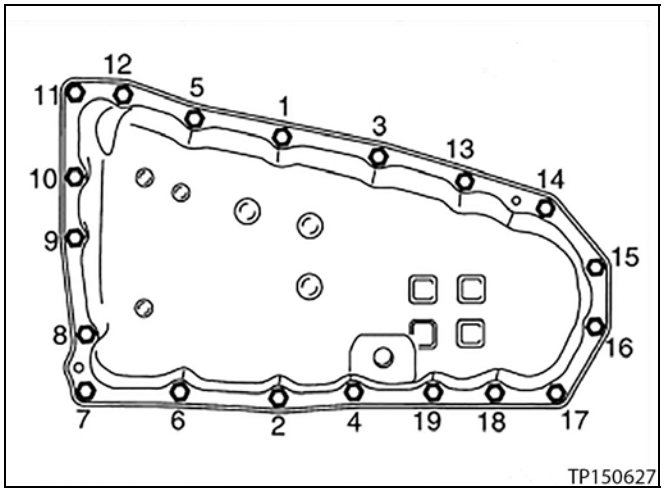


Figure 35

14. Fill the CVT assembly with NS-3 CVT fluid or equivalent.

- Refer to the ESM, section TM – Transaxle & Transmission for CVT fluid filling.

15. IMPORTANT: Install Write IP Characteristics to the TCM; see ITB13-055.

- Refer to TM – Transaxle & Transmission / BASIC INSPECTION, and perform ADDITIONAL SERVICE WHEN REPLACING TRANSAXLE ASSEMBLY.
  - ➢ Check for fluid leakage.
  - ➢ Attach the QR label with the new calibration data onto the transmission range switch (inhibitor switch).
    - o See Figure 36 and 37 below.
    - o A QR Label and CD-R are included with the replacement valve body.

16. Erase the DTC.

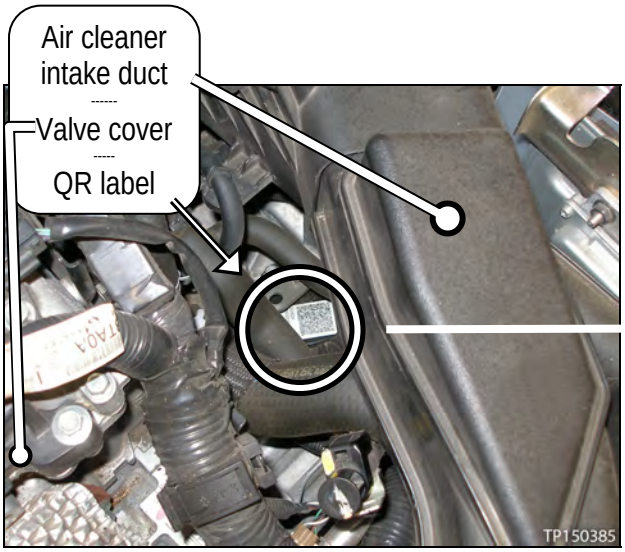


Figure 36

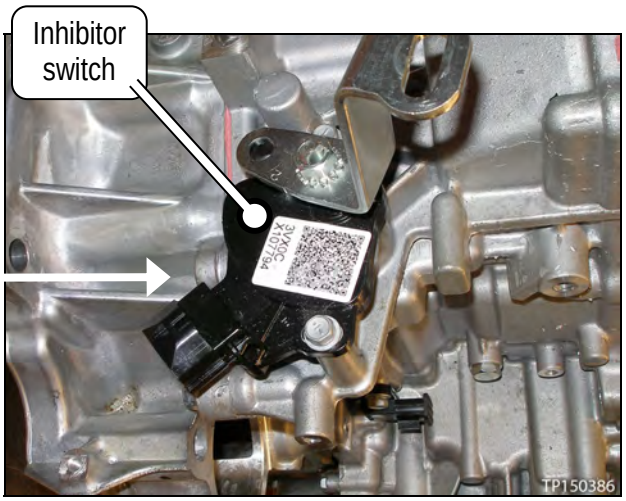


Figure 37

TCM Reprogramming

IMPORTANT: Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.

NOTE:

- Most instructions for reprogramming with C-III plus are displayed on the CONSULT PC screen.
- If you are not familiar with the reprogramming procedure, click here. This will link you to the "CONSULT- III plus (C-III plus) Reprogramming" general procedure.

CAUTION:

- Connect a battery maintainer or smart charger to the vehicle battery, set to “power supply” mode. If the vehicle battery voltage drops below 12.0V or rises above 15.5V during reprogramming, the TCM may be damaged.
- Be sure to turn OFF all vehicle electrical loads.
  If a vehicle electrical load remains ON, the TCM may be damaged.
- Be sure to connect the AC Adapter.
  If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the TCM may be damaged.
- Turn OFF all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth® signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and the TCM may be damaged.

1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.
2. Start C-III plus.
3. Wait for the plus VI to be recognized.
   - The serial number will display when the plus VI is recognized.
4. Select Re/programming, Configuration.

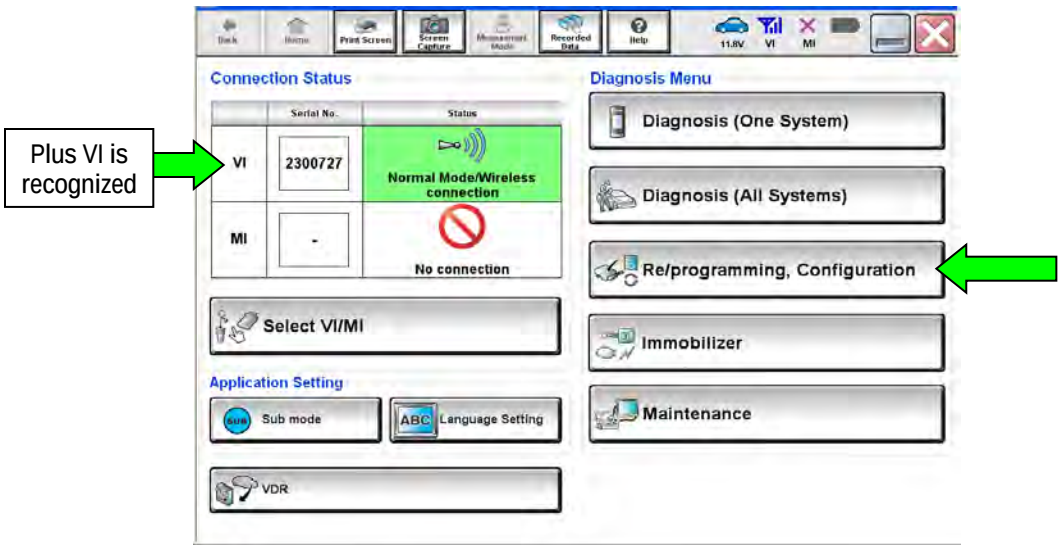


Figure 38

5. Follow the on-screen instructions and navigate the C-III plus to the screen shown in Figure 39.

6. When you get to the screen shown in Figure 39, confirm reprogramming applies as follows:

   A. Find the TCM **Part Number** and write it on the repair order.

      NOTE: This is the current TCM Part Number (P/N).

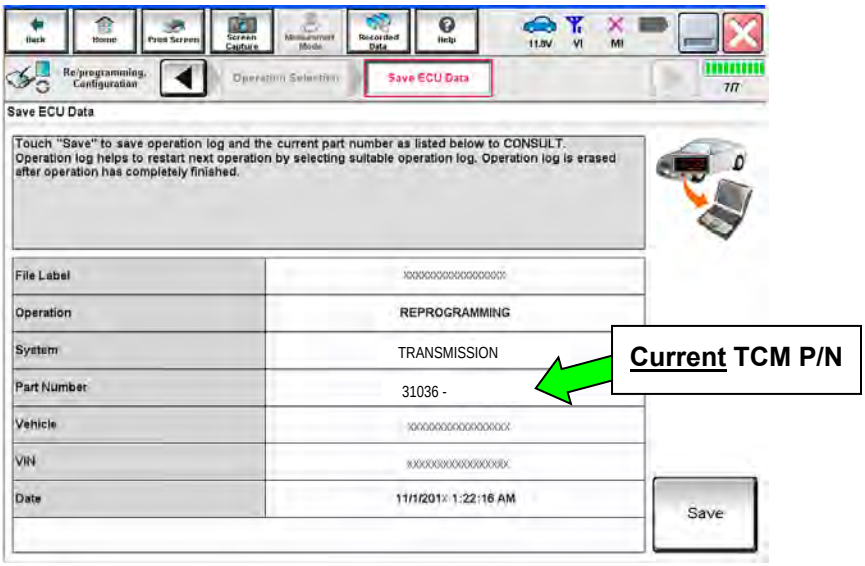


Figure 39

   B. Compare the P/N you wrote down to the numbers in the Current TCM Part Number column in Table A below.

   - If there is a match, continue with the reprogramming procedure; step 7.
   - If there is not a match, reprogramming is not needed; skip to step 16 on page 28, **Perform ADDITIONAL SERVICE WHEN REPLACING CONTROL VALVE.**

Table A

Model	Model Year	Current TCM Part Number Before Reprogramming: 31036 -
JX35	2013	3JU0A, 3JU0B, 3JU0C, 3JU0D, 3JU0E 3JU1A 9NA5A 9NA6A, 9NA6B, 9NA6C, 9NA6D, 9NA6E 9NA7A 9NA9C, 9NA9D
QX60	2014	3JU3A, 3JU3B, 3JU3C, 3JU3D 9NA5B 9NA7A, 9NA7B, 9NA7C, 9NA7D 9NA8E 9NA9E
	2015	9NB0A, 9NB0B, 9NB0C, 9NB0E 9NB3A 9NB9A
	2016	9NG0A, 9NG0B 9NG9A
	2017	9NJ0C, 9NJ0D 9NJ9A
	2018	9NP0A, 9NP0B 9NP9A

7. Follow the on-screen instructions to navigate C-III plus and reprogram the TCM.

   NOTE:

   - In some cases, more than one new P/N for reprogramming is available.
     - If more than one new P/N is available, the screen in Figure 40 displays.
     - Select and use the reprogramming option that does <u>not</u> have the message “Caution! Use ONLY with NTBXX-XXX”.
   - If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle. Close C-III plus and refer back to ASIST for further diagnosis.

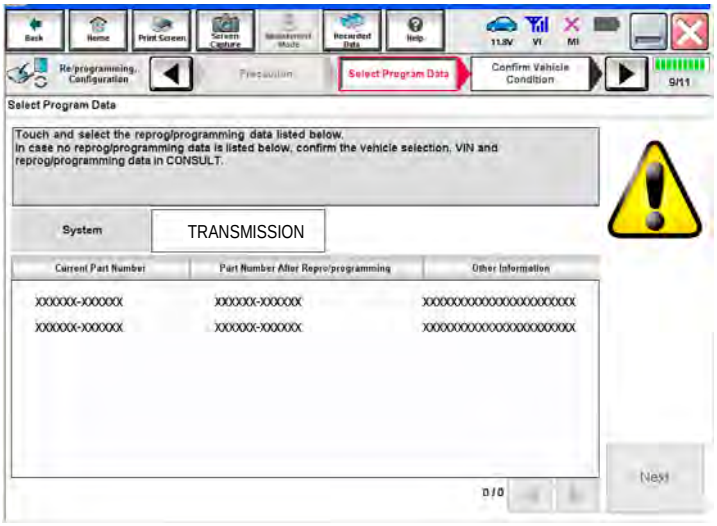


Figure 40

- Before reprogramming will start, you will be required to enter your User Name and Password.
  - The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
  - If you do not know your User Name and Password, contact your Service Manager.

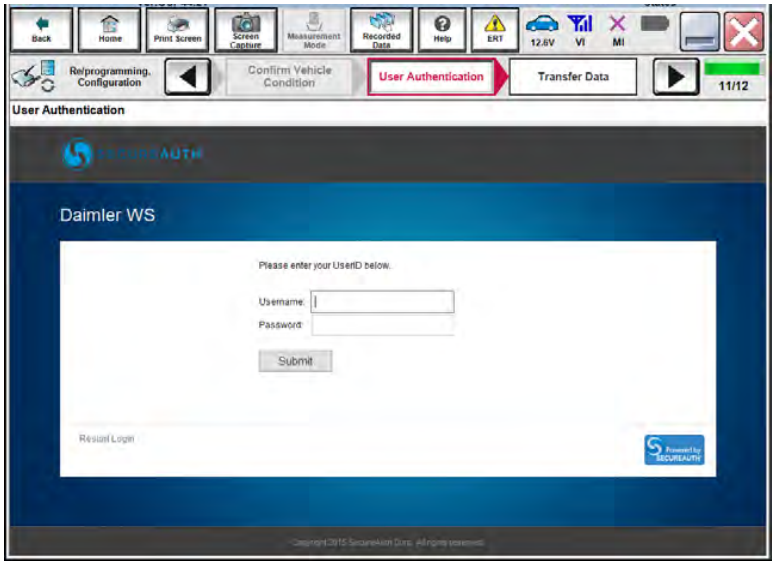


Figure 41

8. When the screen in Figure 42 displays, reprogramming is complete.

   NOTE: If the screen in Figure 42 does not display (indicating that reprogramming did not complete), refer to the information on the next page.

9. Disconnect the battery charger from the vehicle.

10. Select Next.

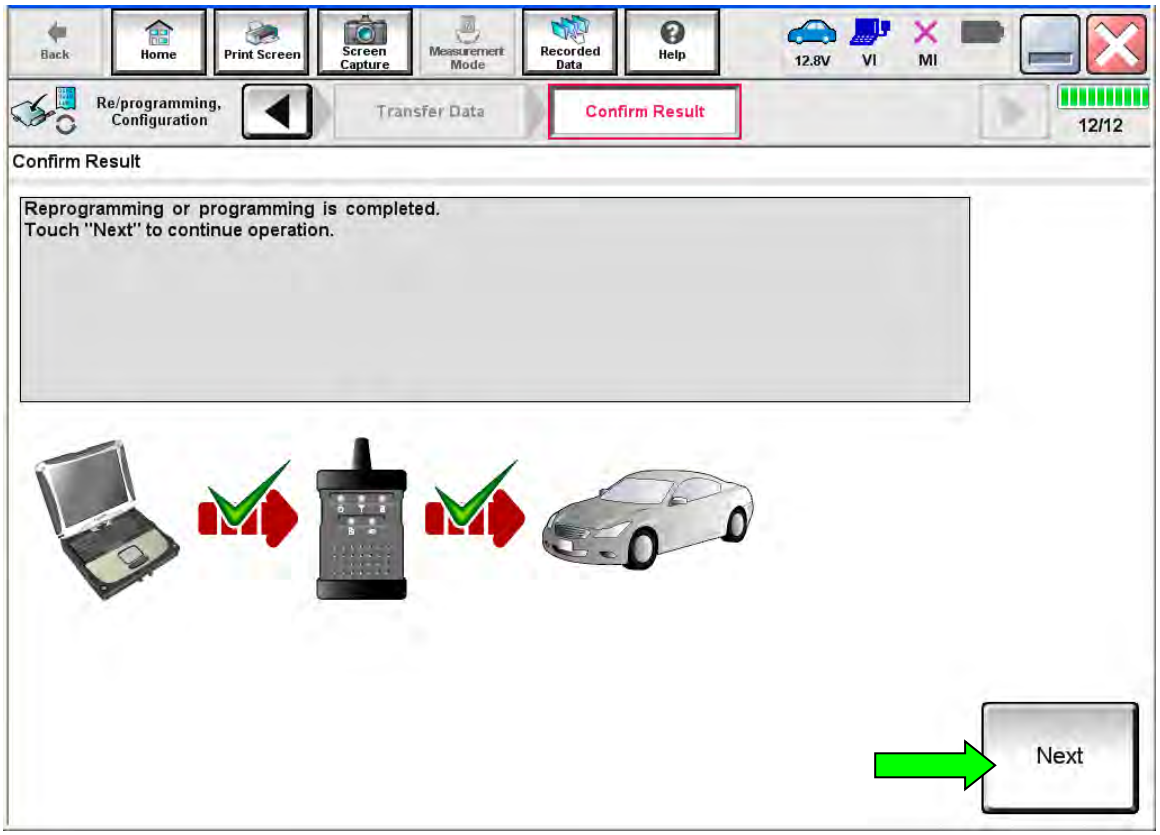


Figure 42

NOTE:

- In the next step (page 27) you will perform Erase All DTCs.
- DTC erase is required before C-III plus will provide the final reprogramming confirmation report.

TCM Recovery:

Do not disconnect plus VI or shut down C-III plus if reprogramming does not complete.

If reprogramming does not complete and the "!?" icon displays as shown in Figure 43:

- Check battery voltage (12.0–15.5 V).
- Ignition is ON, engine OFF.
- External Bluetooth® devices are OFF.
- All electrical loads are OFF.
- Select retry and follow the on screen instructions.
- "Retry" may not go through on first attempt and can be selected more than once.

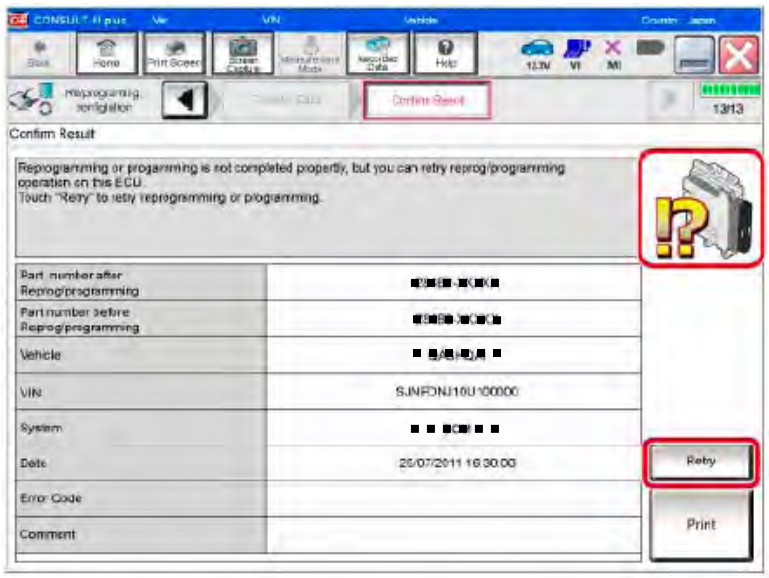


Figure 43

If reprogramming does not complete and the "X" icon displays as shown in Figure 44:

- Check battery voltage (12.0 – 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF.
- Transmission is in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select Home, and restart the reprogram procedure from the beginning.

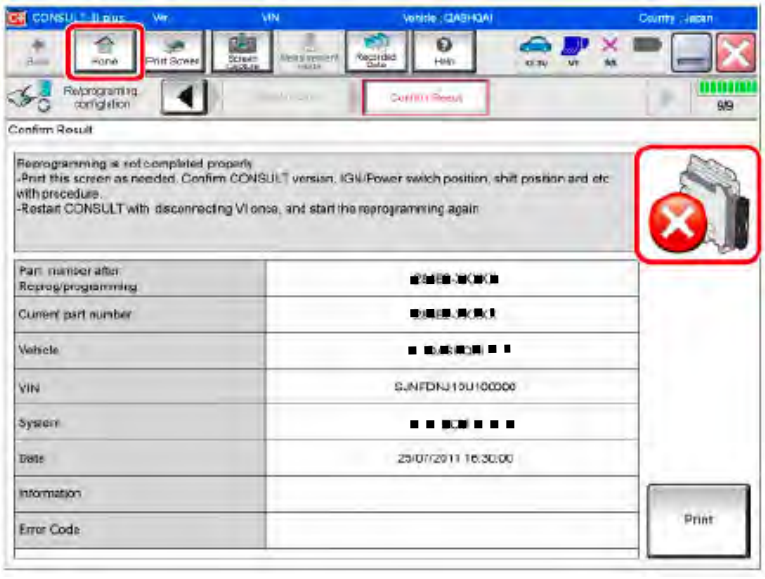


Figure 44

11. Follow the on-screen instructions to Erase All DTCs.

12. When the entire reprogramming process is complete, the screen in Figure 45 will display.

13. Verify the before and after part numbers are different.

14. Print a copy of this screen (Figure 45) and attach it to the repair order for warranty documentation.

15. Select Confirm.

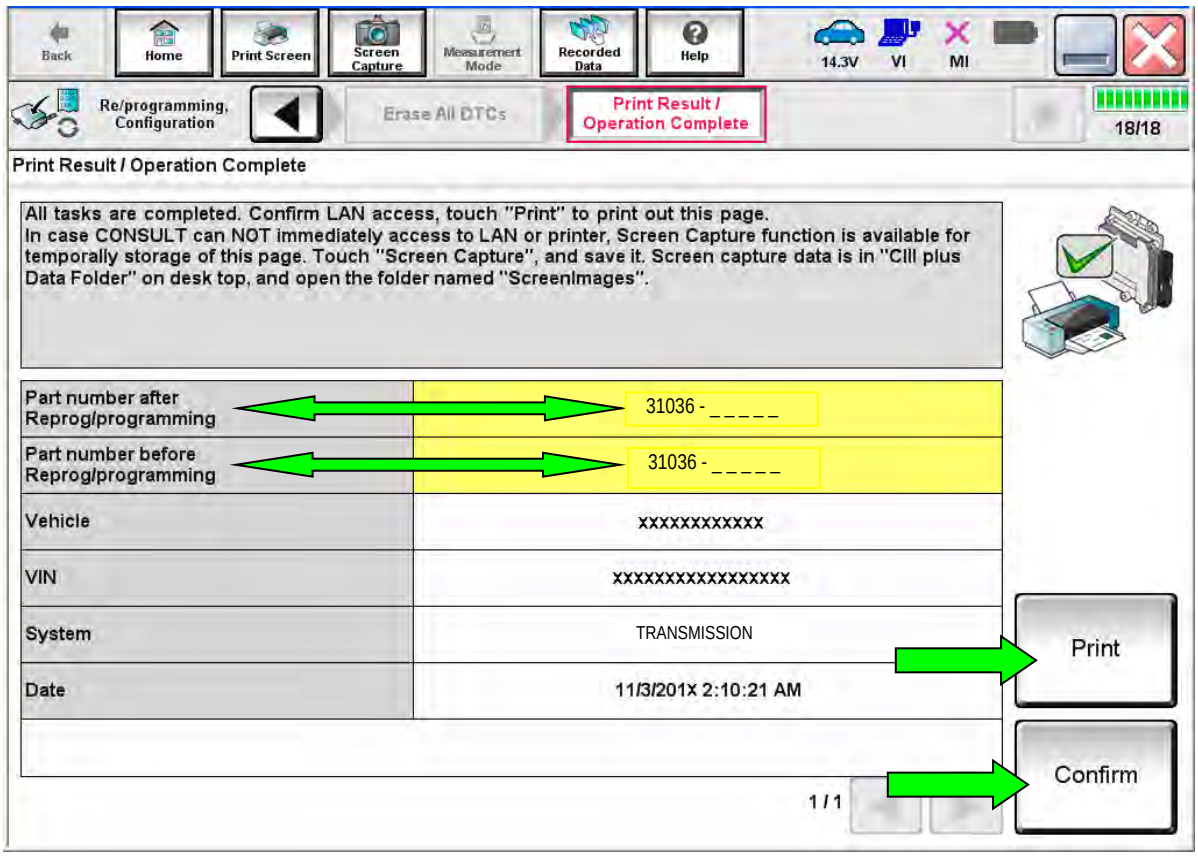


Figure 45

16. Perform ADDITIONAL SERVICE WHEN REPLACING CONTROL VALVE.

- Refer to TM – Transaxle & Transmission / RE0F10E / BASIC INSPECTION, and perform ADDITIONAL SERVICE WHEN REPLACING CONTROL VALVE.

  IMPORTANT: Check off these additional services as they are completed and attach this to the repair order when finished.

17. Verify the CVT operates normally and no abnormal noises are heard during a test drive.

CHECK OFF	ADDITIONAL SERVICE PROCEDURE
	PRINT CURRENT CALIBRATION DATA
	CHECK THE SERIAL NUMBER
	WRITE THE DATA
	PRINT NEW CALIBRATION DATA
	FWD CLUTCH POINT LEARNING (Using procedure starting below)
	PERFORM SELECT LEARNING (DRIVE/REVERSE LEARNING)
	ERASE CVT FLUID DEGRADATION LEVEL DATA

FWD CLUTCH POINT LEARNING (using CONSULT-III plus)

18. Apply the vehicle's parking brake.

19. Start the engine and warm up to operating temperature (50-100° C [122-212° F]).

20. Connect the CONSULT PC to the vehicle.

21. Start CONSULT-III plus (C-III plus).

22. Wait for the plus VI to be recognized.
    - The serial number will display when the plus VI is recognized.

23. Select **Diagnosis (One System)**.

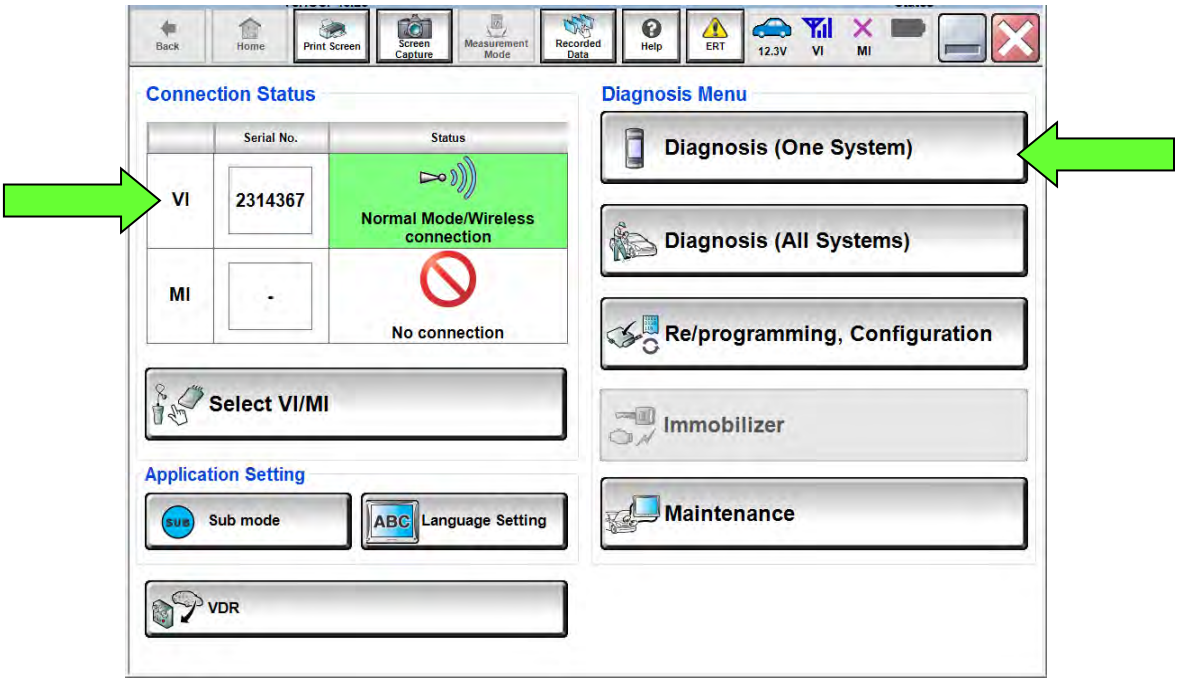


Figure 46

24. Select **Work Support** under TRANSMISSION.

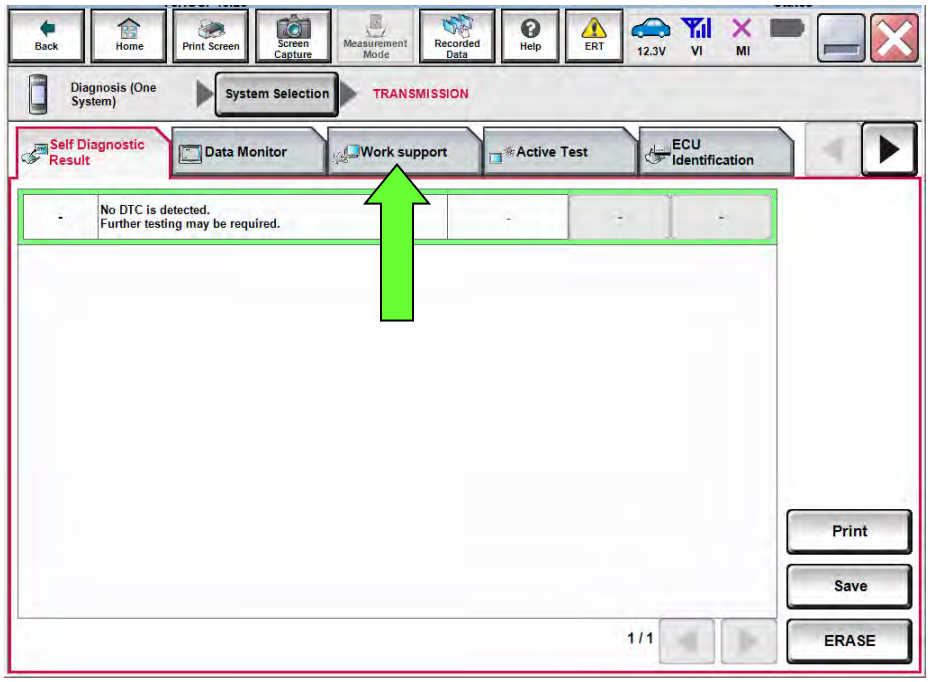


Figure 47

IMPORTANT: The following FWD CLUTCH POINT LEARNING will be performed twice. Once in drive (D) and once in reverse (R).

25. Select FWD CLUTCH POINT LEARNING and then Start.

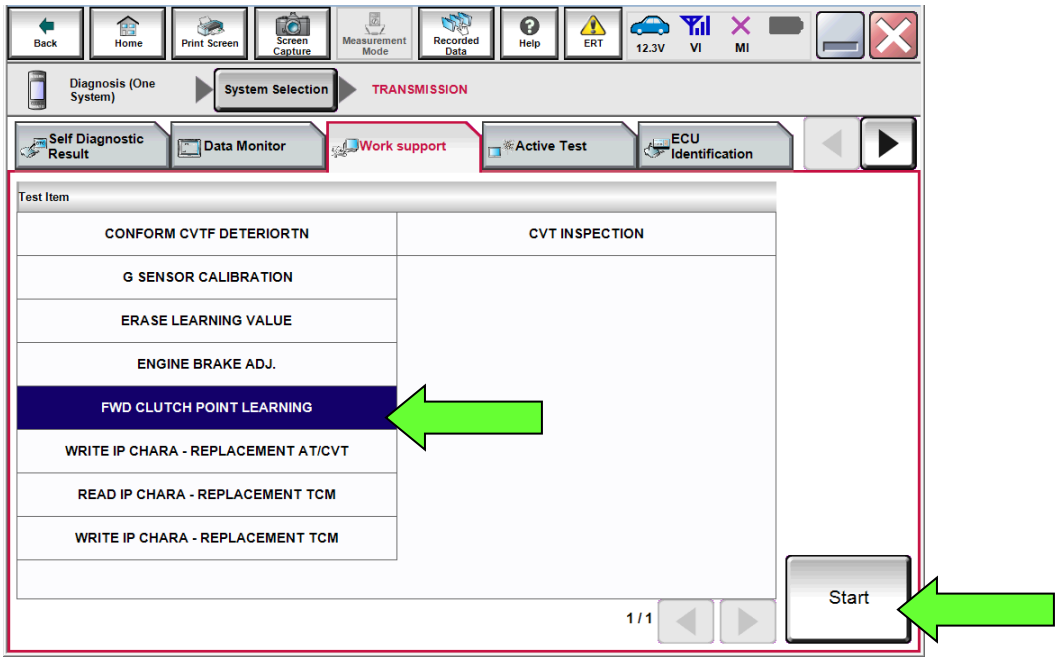


Figure 48

26. With the engine still running and at idle, depress the brake pedal and shift the CVT into neutral (N).
    - Confirm that all of the required conditions indicated in Figure 49 are being met.

27. Select Start.

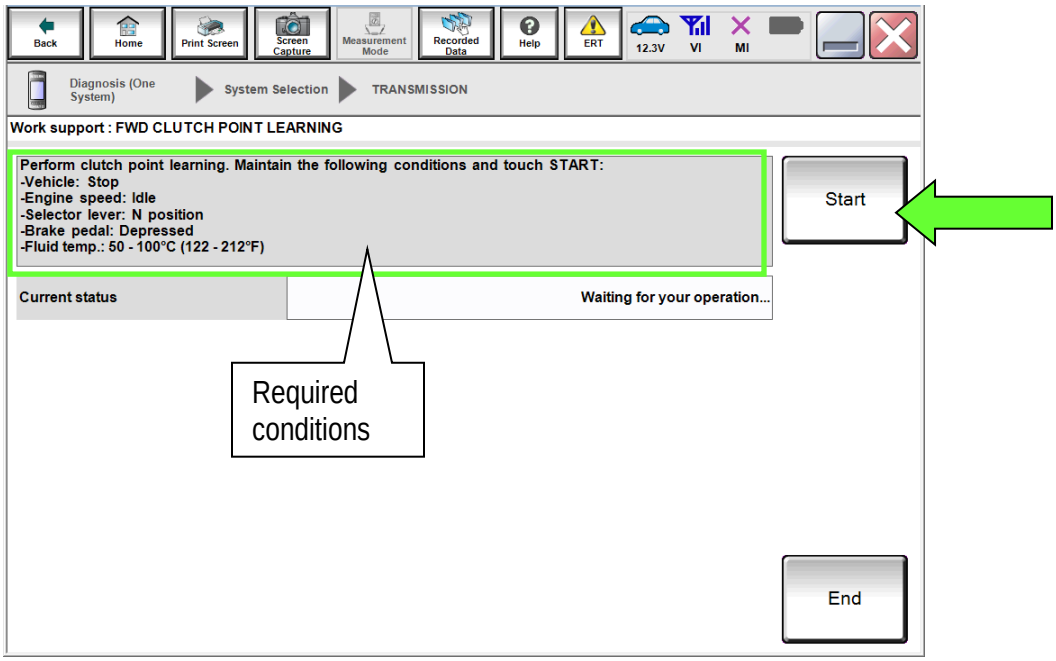


Figure 49

28. While maintaining <u>all conditions</u> shown in Figure 49 and the “Current status” indicates “EXECUTING”, shift the CVT into D and then wait until the Current status indicates “COMPLETED”.

    NOTE: This may take up to three (3) minutes to complete.

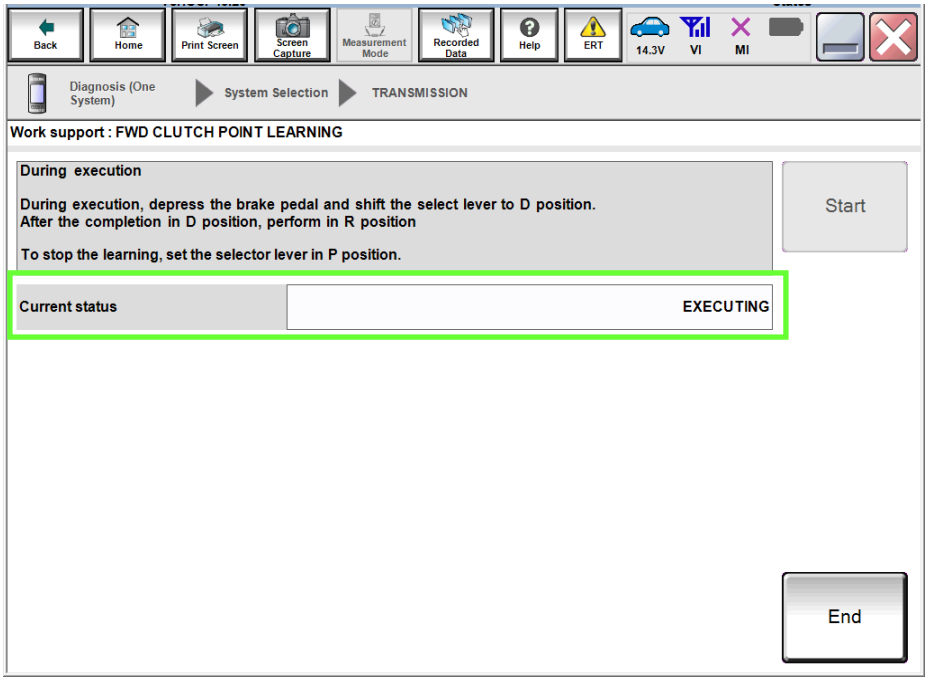


Figure 50

29. When the screen in Figure 51 is displayed, select **End**.

30. Turn the engine OFF and then back ON.

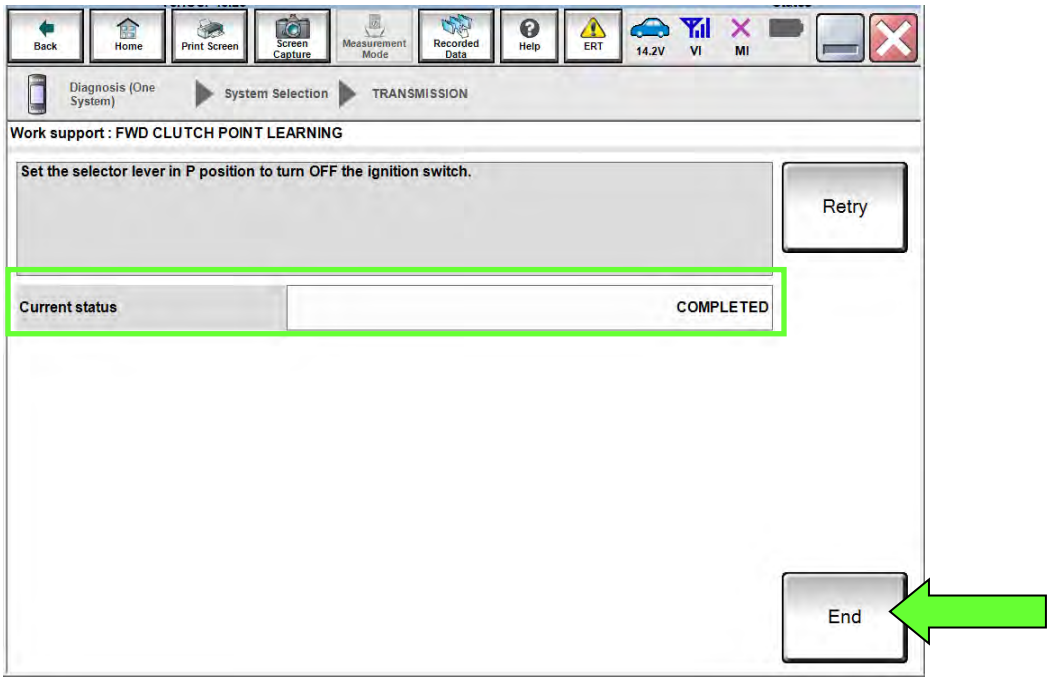


Figure 51

31. Select FWD CLUTCH POINT LEARNING and then Start.

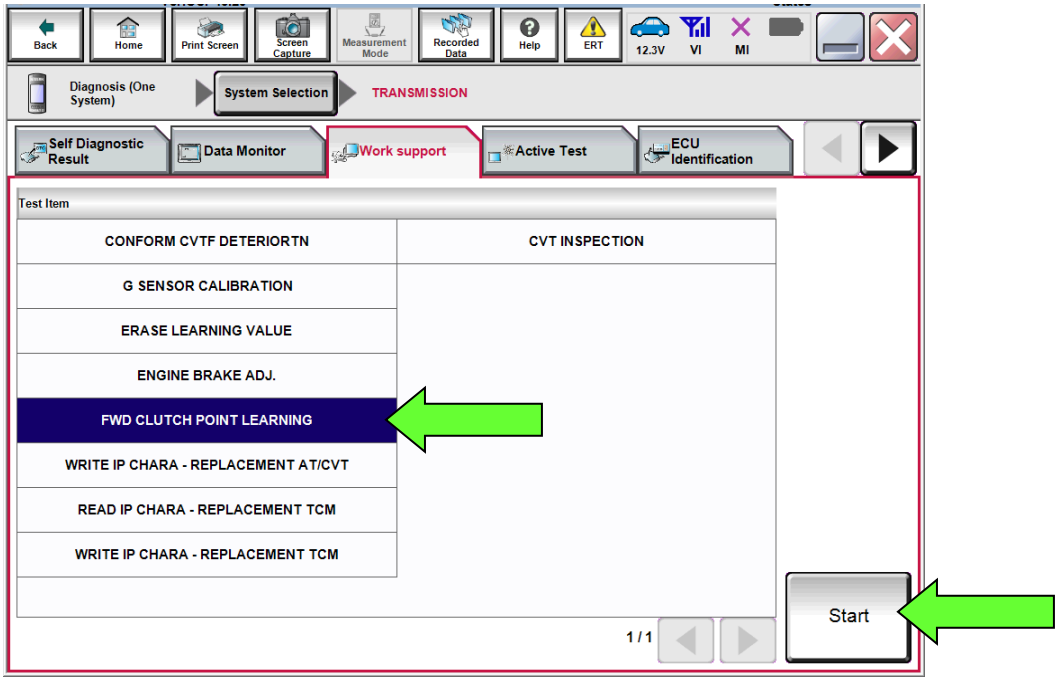


Figure 52

32. With the engine still running and at idle, depress the brake pedal and shift the CVT into neutral (N).
    - Confirm that all of the conditions indicated in Figure 53 are being met.

33. Select Start.

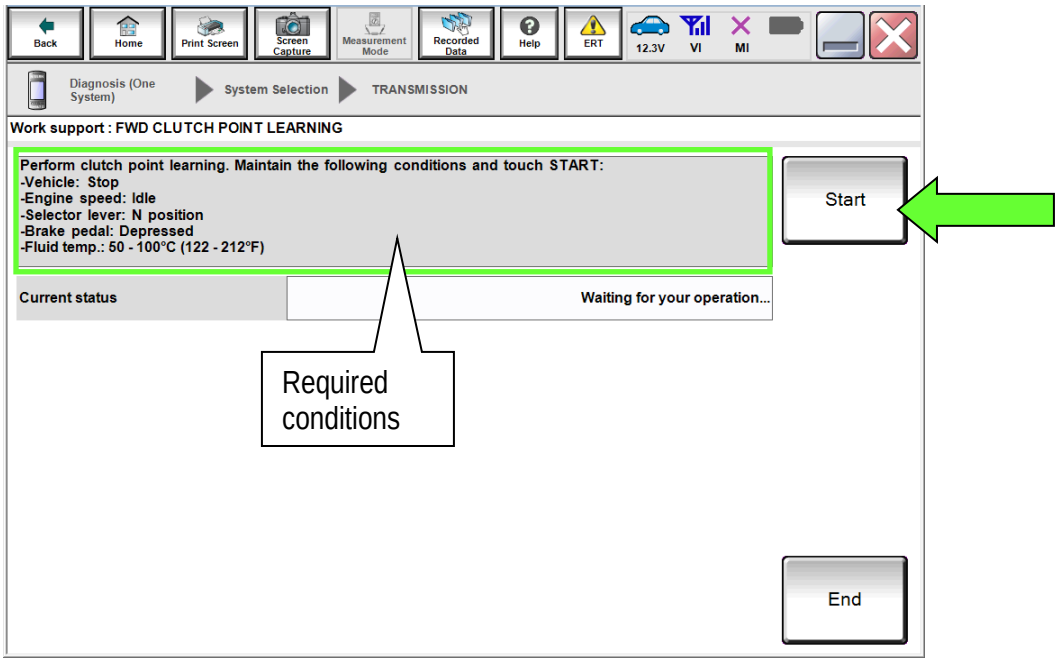


Figure 53

34. While maintaining <u>all conditions</u> shown in Figure 53 and the Current status indicates EXECUTING, shift the CVT into R and then wait until the Current status indicates COMPLETED.

    NOTE: This may take up to 3 minutes to complete.

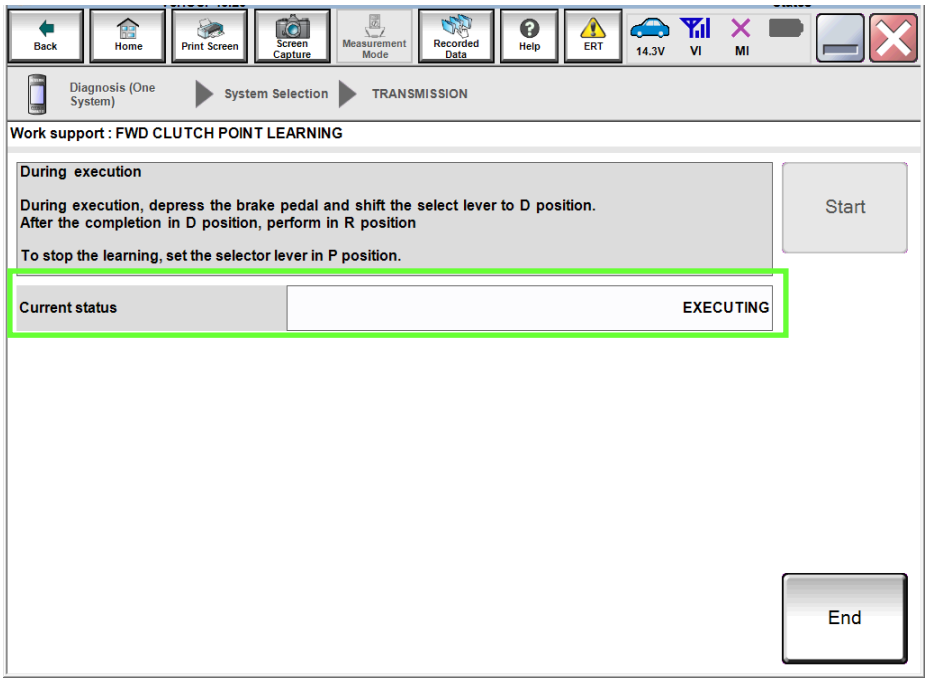


Figure 54

35. When the screen in Figure 55 is displayed, select **End**.

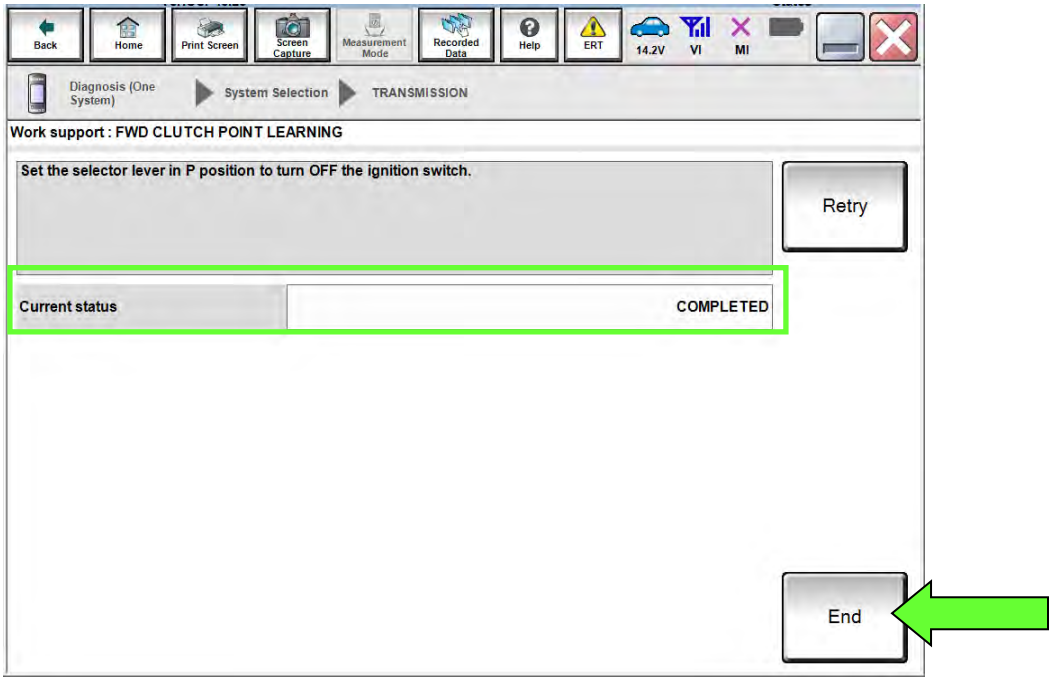


Figure 55

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
CVT ASSEMBLY (1)	(2)	1
VALVE ASSY KIT-CONTROL (3)	3170E-29X9C	1
WASHER-DRAIN	11026-JA00A	1
O-RING EXTERNAL OIL COOLER O-RING	22180-9NB0A	2
NS-3 CVT Fluid (4) (5)	999MP-NS300P	As needed
Lens Swab (6) (7)	J-51963	As needed

(1) If the CVT assembly is being replaced, no other parts in the table above, except NS-3 CVT fluid or equivalent, is needed.
(2) Refer to the electronic parts catalog (EPC) for the correct part number.
(3) Includes QR Label, CD-R, and Control Valve Assembly.
(4) For warranty repairs, Nissan NS-3 CVT Fluid must be used.
(5) NS-3 CVT Fluid can be ordered through the Infiniti Maintenance Advantage program: Phone: 877-INF-IMA1 (877-463-4621) or Website: Order via link on dealer portal www.NNAnet.com and click on the "Maintenance Advantage" link.
(6) Lens swabs are available from Tech•Mate online: www.infinititechmate.com. Or by phone: 1-800-662-2001.
(7) Shop supply.

Tech Cam J-51951

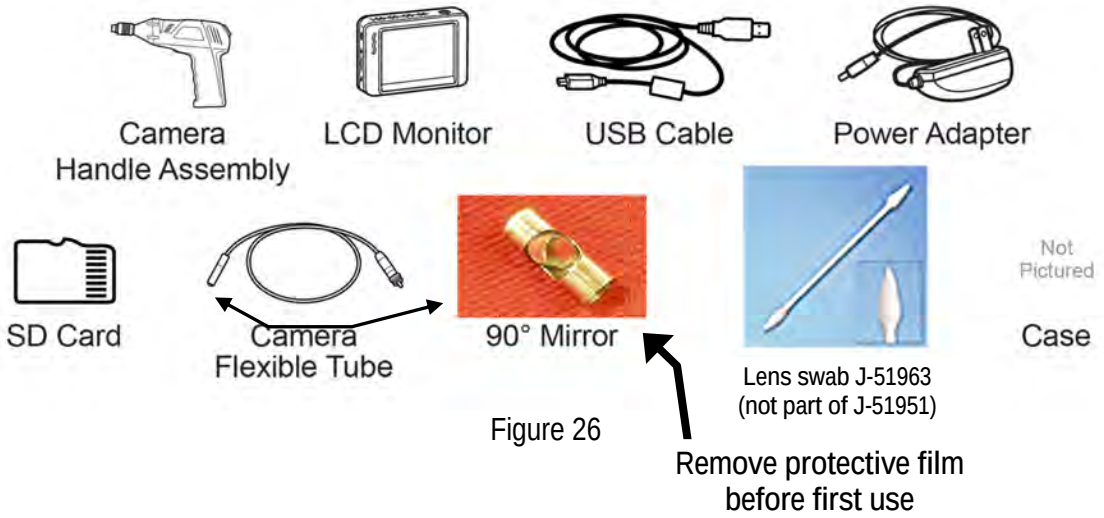


Figure 26

Additional kits and individual components of Tech Cam J-51951 are available from Tech•Mate online: www.nissantechmate.com. Or by phone: 1-800-662-2001.

CLAIMS INFORMATION

NOTE: Refer to CVT Assembly Replacement Approval Procedures before submitting a claim.

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

If DTC P17F0 is stored

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
CVT R&R	(1)	JD01AA JD023A	(2)	32	(3)
CVT TROUBLE DIAGNOSIS		JX22AA			0.5
Reprogram TCM		JE99AA			(3)

(1) Reference the electronic Parts Catalog (EPC) and use the CVT assembly part number for the vehicle being repaired as the Primary Failed Part.
(2) Use the Symptom and Diagnostic codes that apply to the repair actually performed.
(3) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time.
NOTE: FRT allows adequate time to access DTC codes. No other diagnostic procedures subsequently required. Do NOT claim any diagnostic OP Codes with this claim.

OR

If DTC P17F1 is stored and Control Valve is replaced (chain inspection shows no signs of chain slip, OK)

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL CVT CONTROL VALVE ASSY	31705-29X0C	JD48AA	ZE	32	(1)
Reprogram TCM		JE99AA			

(1) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time.
NOTE: FRT allows adequate time to access DTC codes. No other diagnostic procedures subsequently required. Do NOT claim any diagnostic OP Codes with this claim.

and

DESCRIPTION	OP CODE	FRT
Inspect CVT Chain, Chain = OK	JX37AA	0.3

OR (see next page)

If DTC P17F1 is stored and chain inspection shows signs of Chain slip (NG) CVT is replaced

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
CVT R&R	(1)	JD01AA JD023A	ZE	32	(2)
CVT TROUBLE DIAGNOSIS		JX22AA			0.5
Reprogram TCM		JE99AA			(2)

(1) Reference the electronic Parts Catalog (EPC) and use the CVT assembly part number for the vehicle being repaired as the Primary Failed Part.

(2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time.
NOTE: FRT allows adequate time to access DTC codes. No other diagnostic procedures subsequently required. Do NOT claim any diagnostic OP Codes with this claim.

and

DESCRIPTION	OP CODE	FRT
Inspect CVT Chain, Chain = NG (includes control valve R&I)	JX36AA	2.3

CVT Assembly Replacement Approval Procedures

- If P17F0 is stored for CVT replacement:
    a. Complete the Powertrain Call Center (PCC) CVT Preauthorization Form in ASIST.
    b. Attach the C-III plus screen printouts showing the VIN and DTC to the Preauthorization Form.
    c. Call the PCC for authorization at 800-973-9992 (opt 2).

- If P17F1 is stored and CVT chain inspection indicates CVT assembly replacement is required:
    a. Complete the PCC CVT Preauthorization Form in ASIST.
    b. Attach the C-III plus screen printouts showing the VIN and DTC to the Preauthorization Form.
    c. Attach the required video (15 seconds or less) to the CVT Preauthorization Form.
        - Failure to submit a continuous video showing evidence of chain slip and the VIN will cause immediate denial of request for CVT unit replacement.
    d. Call the PCC for authorization at 800-973-9992 (opt 2).

    IMPORTANT: Make sure the video has a clear image of the VIN on the F.M.V.S.S. certification label (VIN label).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
March 13, 2015	ITB15-012	Original bulletin published
March 30, 2015	ITB15-012a	Added additional approval information
November 2, 2015	ITB15-012b	Amended applied vehicles
November 6, 2015	ITB15-012c	Amended Action, Service Procedure, Parts Information and Claims Information
January 28, 2016	ITB15-012d	Amended Applied Vehicles, If You Confirm, Flow Chart, Service Procedure
March 31, 2016	ITB15-012e	Changed installation procedure for valve body
April 29, 2016	ITB15-012f	Amended to remove strainer O-ring part and part number
March 31, 2017	ITB15-012g	Added model years and part numbers
October 22, 2019	ITB15-012h	Added TCM reprogramming