



# SERVICE BULLETIN

|                              |                          |                       |
|------------------------------|--------------------------|-----------------------|
| Classification:<br>AT18-005c | Reference:<br>NTB18-055c | Date:<br>May 31, 2019 |
|------------------------------|--------------------------|-----------------------|

## CVT FLUID LEVEL QUICK CHECK GAUGE

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

|                          |                                      |                                       |
|--------------------------|--------------------------------------|---------------------------------------|
| <b>APPLIED VEHICLES:</b> | 2013-2018 Altima Sedan (L33)         | 2015-2017 Quest (E52)                 |
|                          | 2019 Altima - <b>Non-Turbo</b> (L34) | 2014-2019 Rogue (T32)                 |
|                          | 2016-2019 Maxima (A36)               | 2017-2019 Rogue Sport (J11)           |
|                          | 2015-2019 Murano (Z52)               | 2017-2019 Sentra - <b>Turbo</b> (B17) |
|                          | 2013-2019 Pathfinder (R52)           |                                       |

**APPLIED TRANSMISSION:** CVT

### SERVICE INFORMATION

Special tools CVT Oil Level Quick Check Gauge (J-51155) and CVT Charge Pipe Cap Release (J-52611) are now available (see page 2).

Each dealer has been shipped one each of these tools.

Additional tools can be obtained from Tech•Mate at 1-800-662-2001.

Refer to the **SERVICE PROCEDURE** starting on page 3 to determine how to perform a CVT fluid quick level check.

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.

## SPECIAL TOOLS

CVT Oil Level Quick Check Gauge (J-51155)



Figure 1

CVT Charge Pipe Cap Release (J-52611)

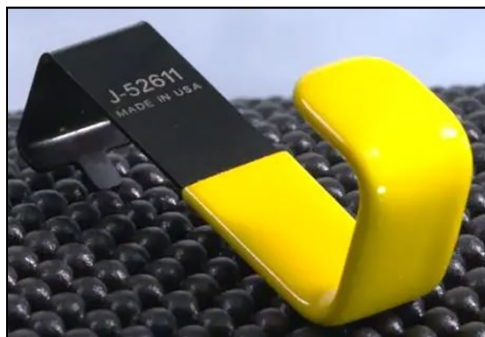


Figure 2

## SERVICE PROCEDURE

### Inspect CVT Fluid Level

#### NOTE:

- Steps 1 through 6 will ensure that CVT fluid is properly distributed throughout the CVT.
- A video on how to use tool J-52611 is available on [nissantechmate.com](http://nissantechmate.com): On the home page, type “J-52611” in the search window, select “Enter” on your keyboard, and then select **Charge Pipe Cap Release Tool**.

1. Park the vehicle on level ground (engine running, parking brake set).
2. Using CONSULT III plus (C-III plus), ensure that the CVT fluid operating temperature is within the range of 170°F-180°F (77°C-82°C).
3. Shift the transmission into REVERSE for 5 seconds.
4. Shift the transmission into DRIVE for 5 seconds.
5. Shift the transmission into REVERSE for 5 seconds.
6. Shift the transmission into PARK.
7. Install special tool CVT Charge Pipe Cap Release (J-52611) where shown in Figure 3.
  - See page 2, **SPECIAL TOOLS**.

**NOTE:** The tool shown in Figure 3 and Figure 4 is the same as the one shown in Figure 2, but looks slightly different.

8. Squeeze the tool toward the cap, and then slightly lift the cap (see Figure 3).

#### NOTE:

- The cap's locking tab is unlocked while squeezing.
- Notice the gap between the cap and charging pipe in Figure 4.

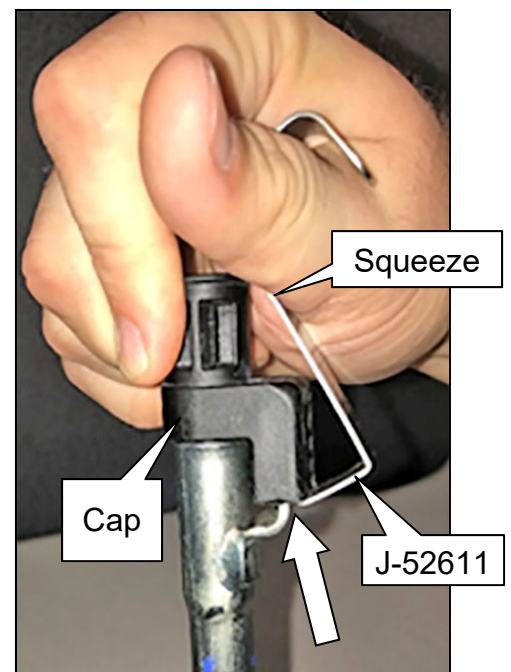


Figure 3

9. Remove tool J-52611 from the cap.

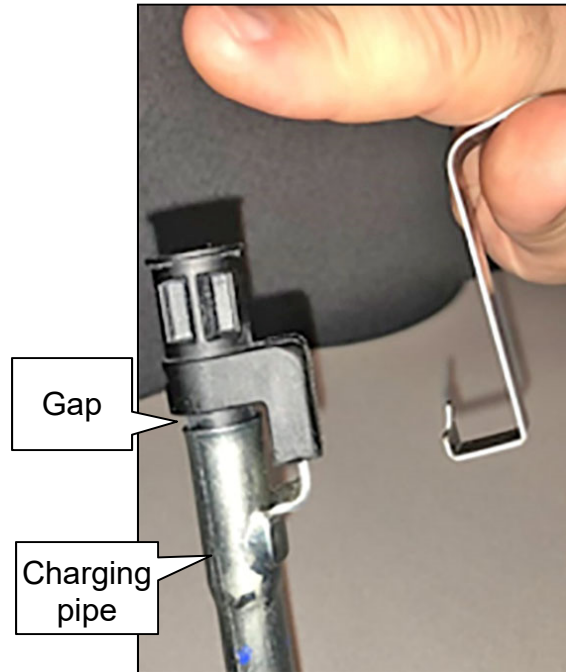


Figure 4

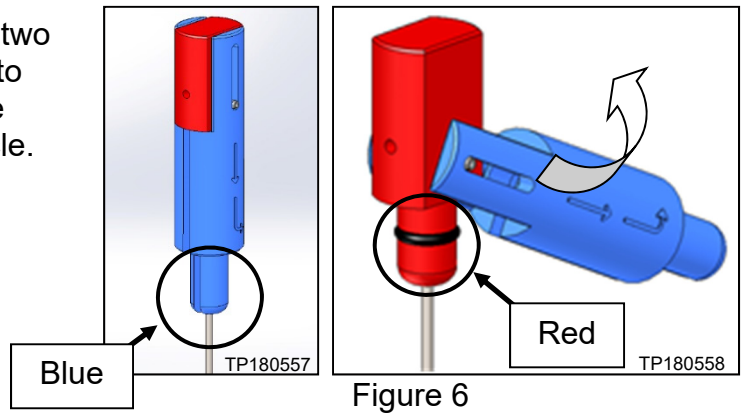
10. Pull to remove the cap from the charging pipe.

- Tool CVT Oil Level Quick Check Gauge (J-51155) can now be used to determine the CVT fluid level.

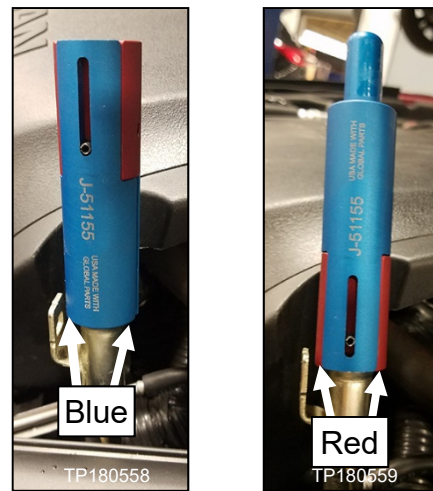


Figure 5

- The handle on tool J-51155 has two positions - Red and Blue. Refer to **Table A** on the next page for the correct position for a given vehicle.



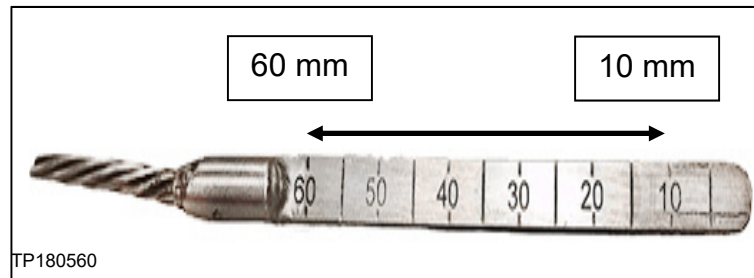
- With the vehicle in PARK and the engine running, insert tool J-51155 into the pipe.
  - Make sure to use the correct handle position (refer to **Table A**).



**Table A**

| <b>Model</b>  | <b>Level (mm)</b> | <b>Handle Position</b> |
|---|-------------------|------------------------|
| 2013-2018 Altima Sedan (QR25)   | 23-30             | Blue                   |
| 2013-2018 Altima Sedan (VQ35)   | 14-22             | Red                    |
| 2019 Altima (PR25 - Non-Turbo ONLY)   | 19-26             | Red                    |
| 2016-2019 Maxima  | 14-22             | Red                    |
| 2015-2019 Murano (Non-hybrid)   | 14-22             | Red                    |
| 2013-2019 Pathfinder (Non-hybrid)   | 14-22             | Red                    |
| 2015-2017 Quest   | 14-22             | Red                    |
| 2014-2019 Rogue (U.S. and Japan built)<br>(VIN starts with 5N or JN) (Non-hybrid) | 44-51             | Blue                   |
| 2015-2019 Rogue (Korea built)<br>(VIN starts with KN) (Non-hybrid)                | 50-57             | Blue                   |
| 2017-2019 Rogue Sport   | 10-17             | Blue                   |
| 2017-2019 Sentra (MR16 - Turbo ONLY)  | 10-17             | Blue                   |

12. Inspect tool J-51155 to determine the CVT fluid level in millimeters, and then compare the reading to the specifications in **Table A** above.



**Figure 8**

**ADJUST CVT FLUID LEVEL**

13. Adjust the fluid level from the bottom of the CVT according to the procedure in the Electronic Service Manual (ESM).

## AMENDMENT HISTORY

| <b>PUBLISHED DATE</b> | <b>REFERENCE</b> | <b>DESCRIPTION</b>   |
|-----------------------|------------------|--|
| August 3, 2018        | NTB18-055        | Original bulletin published.   |
| November 5, 2018      | NTB18-055a       | Steps 1 and 2 revised.   |
| March 20, 2019        | NTB18-055b       | APPLIED VEHICLES and Table A amended, the picture of tool J-51155 moved to page 2, and tool J-52611 added. |
| May 31, 2019          | NTB18-055c       | APPLIED VEHICLES and Table A amended.  |

