



SERVICE BULLETIN

Classification: AT19-009	Reference: NTB19-072	Date: September 16, 2019
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TRANSMISSION RANGE SWITCH SERVICE INFORMATION

APPLIED VEHICLES: 2017-2019 Sentra (B17) 2015-2017 Juke (F15)
2013-2018 Altima (L33) 2015-2017 Quest (E52)
2019 Altima (L34) 2014-2019 Rogue (T32)
2016-2019 Maxima (A36) 2017-2019 Rogue Sport (J11)
2015-2019 NV200 (M20) 2015-2019 Murano (Z52)
2014-2017 & 2019 Taxi (M20T) 2013-2019 Pathfinder (R52)

APPLIED ENGINE: Sentra with MR16DDT (turbo) only
All other applied vehicles – all engines as equipped/available

APPLIED TRANSMISSIONS: RE0F10D, RE0F10E, RE0F10J, and RE0F10H

Does not apply to Hybrid models.

SERVICE INFORMATION

The transmission range switch of the **APPLIED VEHICLES** listed above is now available as a separate service part.

If the transmission range switch of an **APPLIED VEHICLE** is being replaced for any reason, it must be adjusted after its replacement.

- Refer to **SERVICE PROCEDURE** on page 3 for transmission range switch removal, installation, and adjustment.

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.

REQUIRED ESSENTIAL TOOL

CVT Transmission Range Switch (PNP) J-52306

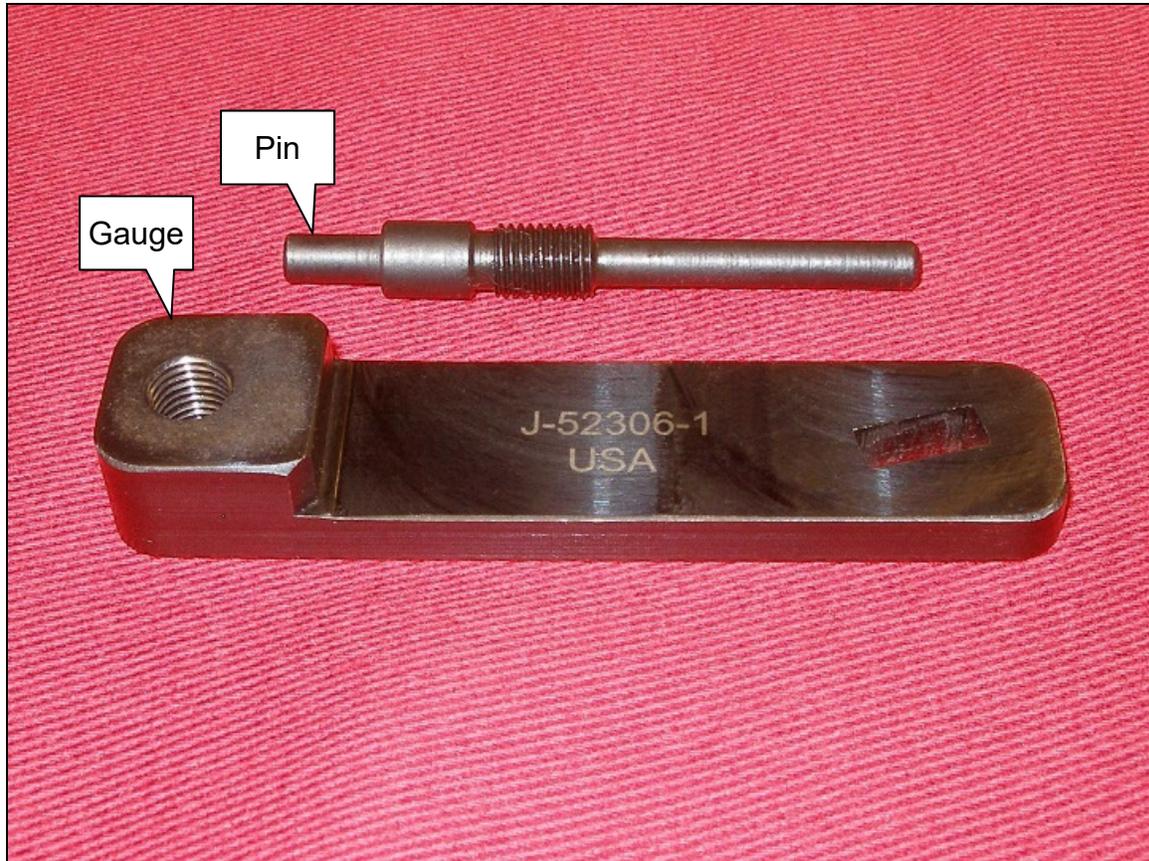


Figure 1

Additional quantities of Tool J-52306 may be purchased at Tech•Mate: 1-800-662-2001, or nissantechmate.com.

SERVICE PROCEDURE

IMPORTANT: Follow all warnings, cautions, and notes in the Electronic Service Manual (ESM) when working under the hood, or on or near a Supplemental Restraint System (SRS), such as an air bag.

Access the Transmission Range Switch

1. Shift the selector lever to the Park (P) position.
2. Gain access to the transmission range switch by loosening and moving, or removing the parts listed in **Table A**.
 - Some connectors, such as an ECM connector, may need to be disconnected.
 - Some models have removal and installation procedures in the ESM.

Table A

	Altima (L33) w/ 4-cyl	Altima (L33) w/ V6	Altima (L34)	Juke	Maxima	Murano	NV200 and Taxi	Pathfinder	Quest	Rogue	Rogue Sport	Sentra w/ turbo
Air cleaner assembly or upper case	X	X		X	X		X	X		X	X	
Air duct hose	X	X		X			X			X	X	
Air inlet duct	X	X		X		X	X	X	X	X	X	
Engine room cover	X				X		X				X	
ECM/TCM harness retainers					X	X	X		X		X	
PCV hose	X				X		X	X			X	
Breather hose retainer				X								
Transaxle breather hose	X	X		X	X	X	X				X	
Upper core support cover	X	X					X				X	
Harness support retainer or clips	X	X			X	X						
Battery & battery tray/bracket						X			X	X		
ECM/TCM bracket								X				
Refer to the ESM *			X	X								

* ESM: section **TRANSMISSION & DRIVELINE > TRANSAXLE & TRANSMISSION > REMOVAL & INSTALLATION > TRANSMISSION RANGE SWITCH (PR25DD or KR20DDET)**.

Example of a transmission range switch and CVT (your vehicle may differ)

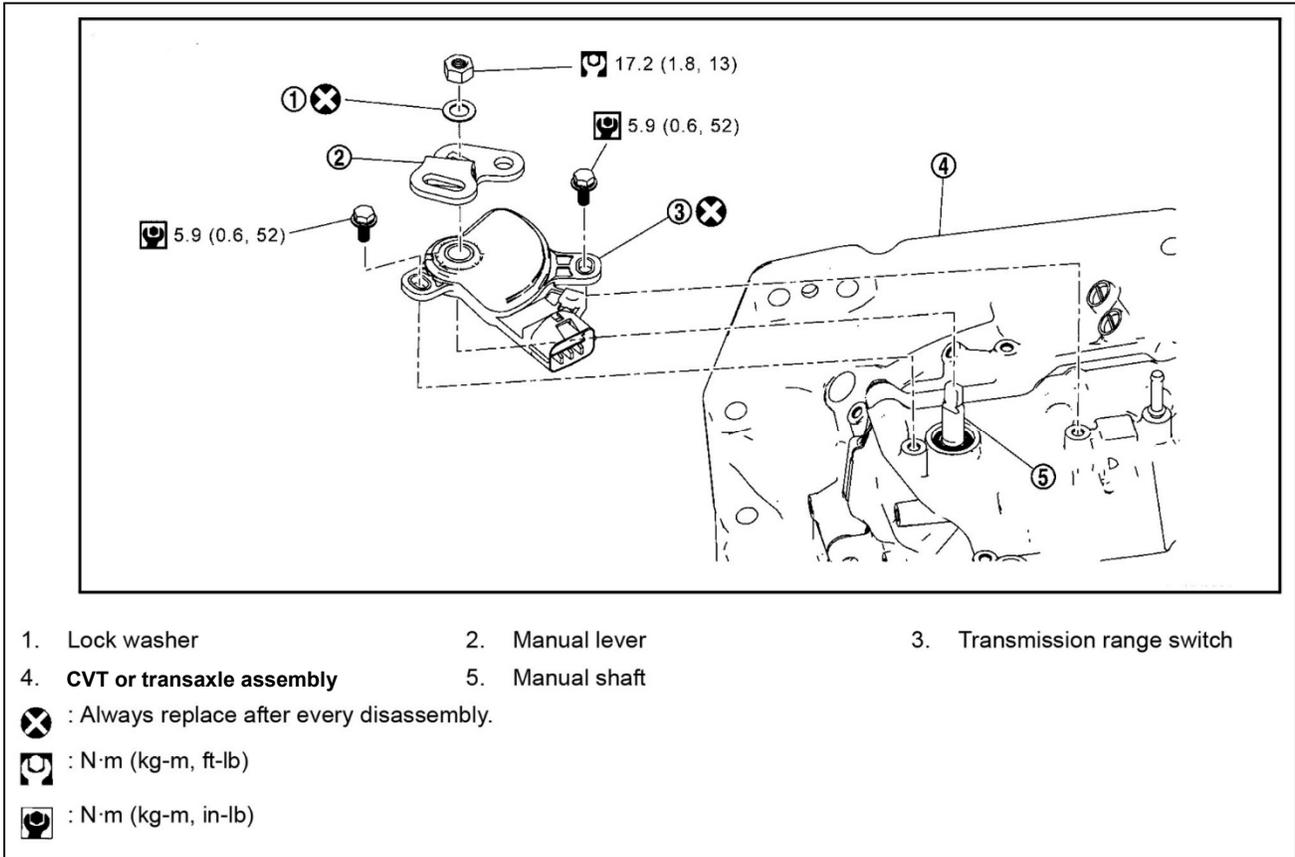


Figure 2

Removal, Installation, and Adjustment – Transmission Range Switch

3. After the transmission range switch is accessible, remove the control cable nut.
4. Disconnect the transmission range switch connector.

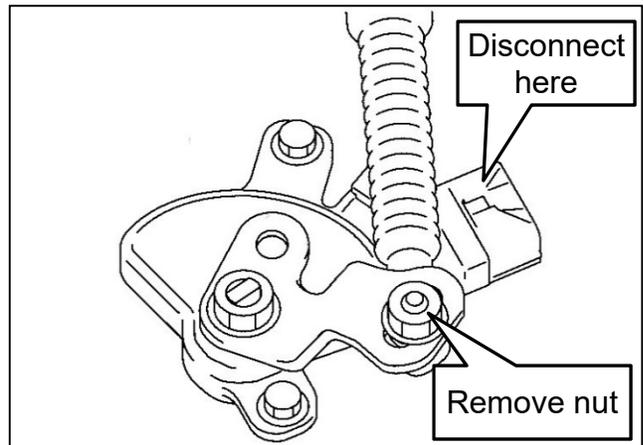


Figure 3

5. Remove the manual lever nut, the lock washer, and manual lever from the manual shaft.

NOTICE

The lock washer is a one-time use part (this part is not to be reused after removal).

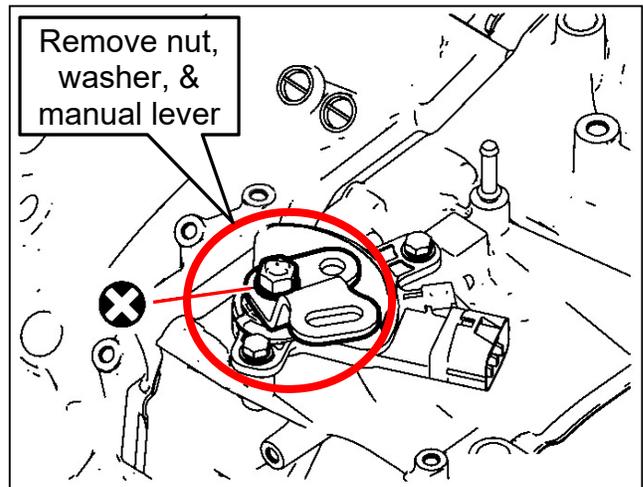


Figure 4

6. Remove the bolts, and then remove the transmission range switch.

NOTICE

The transmission range switch is a one-time use part (this part is not to be reused after removal).

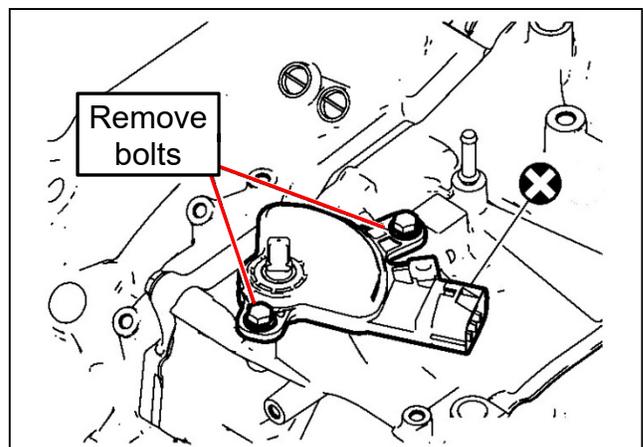


Figure 5

7. Install the replacement transmission range switch, and then install the bolts.
 - The bolts should be loose enough for the transmission range switch to pivot easily.
8. Install the manual lever, but do not install the nut or the lock washer.
9. Using the manual lever, shift the CVT into Neutral (N), and then remove the manual lever.

10. Assemble tool J-52306 (see Figure 6).

HINT: The pin can be threaded into the gauge from either opening. Make sure to insert and thread it into the side shown in Figure 6.

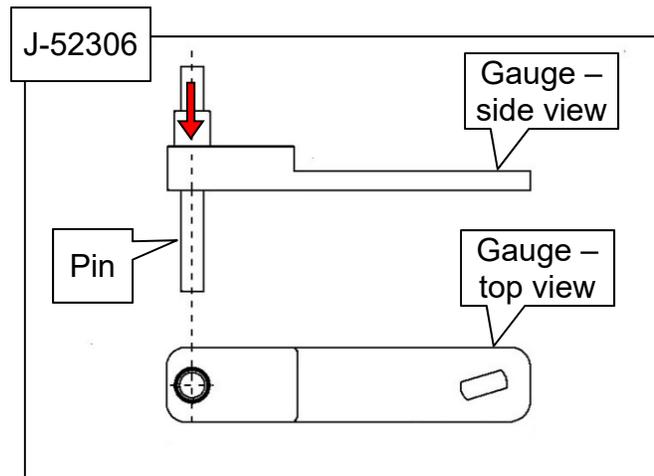


Figure 6

11. Set tool J-52306 onto the manual shaft while inserting its pin in the hole of the transmission range switch (see Figure 7).

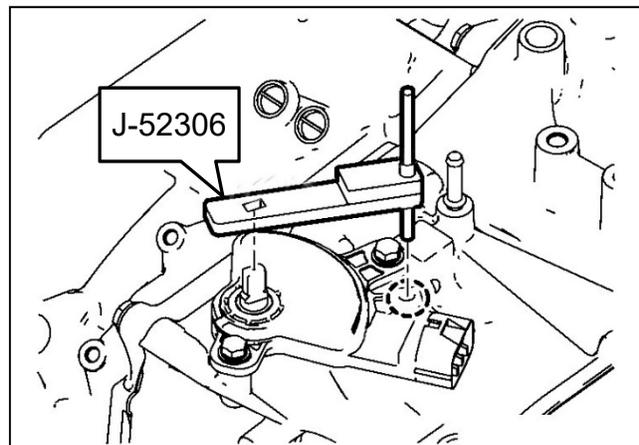


Figure 7

12. Tighten the bolts, and then remove tool J-52306.
 - Bolt torque: 5.9 N•m (0.6 kg-m, **52 in-lbs**)
13. Install the manual lever, nut, and new lock washer.
 - Nut torque: 17.2 N•m (1.8 kg-m, **13 ft-lbs**)

NOTICE

The lock washer is a one-time use part. Replace the old one with a new one.

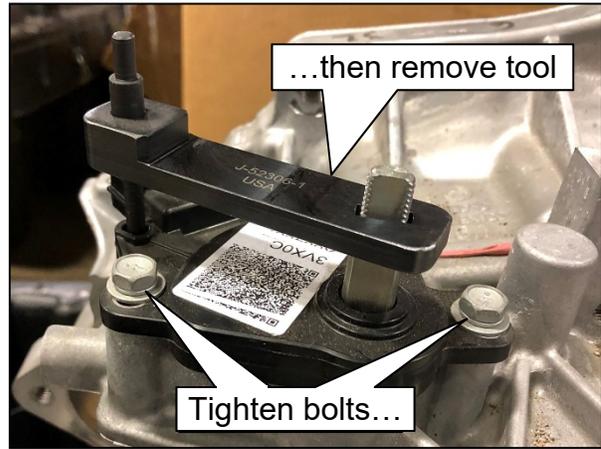


Figure 8

14. Reassemble the vehicle in reverse order of disassembly.
15. Verify:
 - a. The shift selector cannot be shifted out of Park without depressing the brake pedal.
 - b. The shift selector can be shifted out of Park with the brake pedal depressed.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
PARK/NEUTRAL POSITION SWITCH (transmission range switch)	31918-29X0C	1
WASHER (lock washer)	08916-3401A	1

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace Park/Neutral Switch	(1)	JD56AA	ZE	32	(2)

- (1) Reference the Electronic Parts Catalog (EPC) and use the Park/Neutral Switch (31918-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 16, 2019	NTB19-072	Original bulletin published