



VOLUNTARY RECALL CAMPAIGN

Classification: AT22-008	Reference: NTB22-065	Date: July 28, 2022
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VOLUNTARY SAFETY RECALL CAMPAIGN 2020-2022 FRONTIER, TITAN/TITAN XD 2WD; TRANSMISSION PARKING PAWL PIN

CAMPAIGN ID #: R22A7
APPLIED VEHICLES: 2020-2021 Frontier (D40) 2WD
2022 Frontier (D41) 2WD
2020-2022 Titan and Titan XD (A61) 2WD

**Check Service COMM or Dealer Business Systems (DBS)
National Service History to confirm campaign eligibility.**

INTRODUCTION

Nissan is conducting this voluntary safety recall campaign on certain specific model year 2020-2022 Frontier, Titan, and Titan XD 2WD vehicles to replace the Transmission Parking Pawl Pin. This service will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number R22A7 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

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.

SERVICE PROCEDURE

⚠ WARNING

To avoid the risk of death or serious personal injury:

- Use caution when performing repairs near Transmission and Exhaust components as they will be hot just after the Engine stops.
- Do not spill A/T fluid on heat generating parts

NOTICE

To avoid the risk of damage to the Transmission:

- Do not reuse gaskets.
- Use only recommended A/T fluid and do not mix with other A/T fluid.
- Do not use A/T fluid other than the recommended as this will cause deterioration in drivability and A/T durability, and may damage the Transmission which is not covered by the Nissan new vehicle limited warranty.

1. Set the parking brake.
2. Place the vehicle on a lift.
3. Remove the two (2) bolts securing the O2 sensor harness bracket to the Transmission.

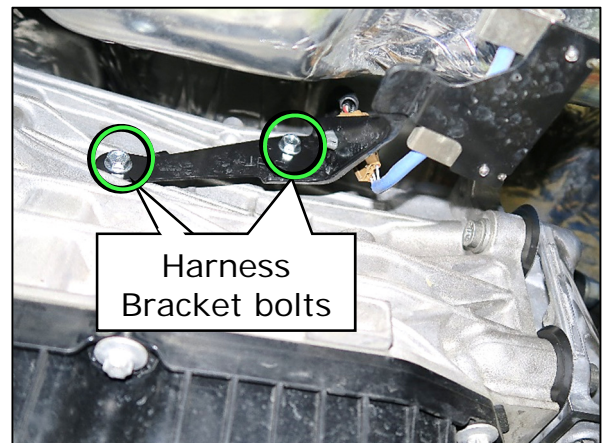


Figure 1

4. Remove the three (3) Insulator (Rear) nuts securing the Transmission to the Cross Member.

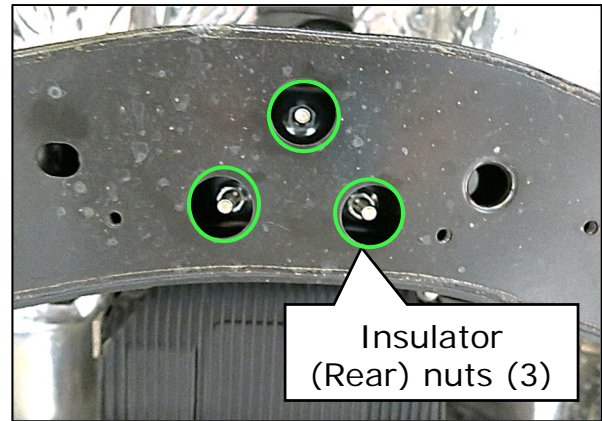


Figure 2

NOTICE

To avoid damage to the Transmission Assembly, do NOT support or lift the Transmission with the Transmission Pan.

- Using a suitable jack and a block of wood, raise the Transmission Assembly approximately 10 mm (1/2") at the jacking point shown in Figure 3.

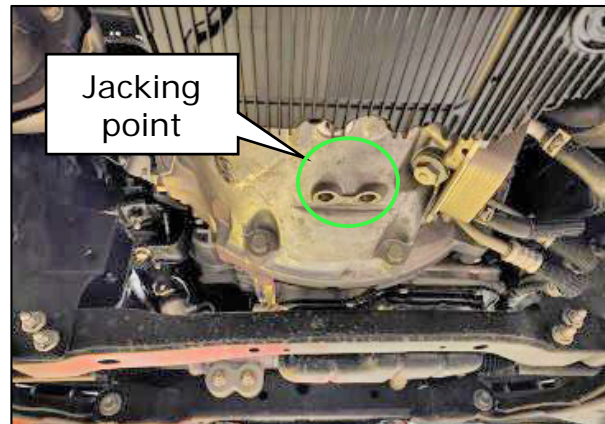


Figure 3

5. Remove the Transmission Mount Bracket and Insulator (Rear).
 - Step 5 continued on page 4.

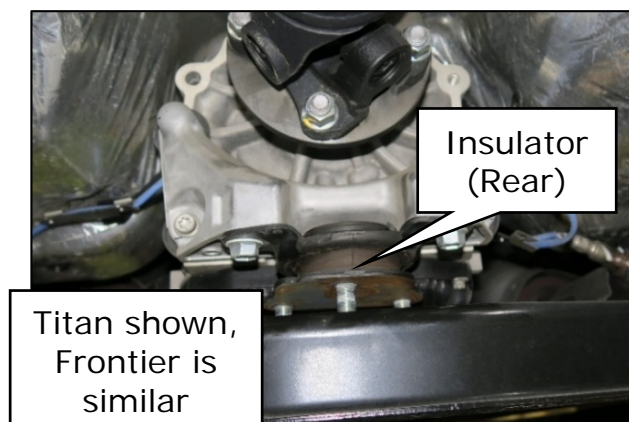


Figure 4

Step 5 continued.

- On Frontier models, completely loosen the two (2) bolts securing the Insulator (Rear) to the Transmission Mount Bracket (the bolts will not be able to be completely removed due to lack of space, and will be removed later in this step).

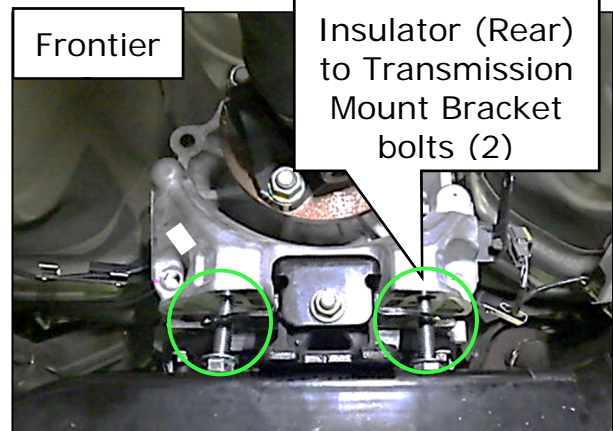


Figure 5

- On Titan models, remove the two (2) bolts securing the Insulator (Rear) to the Transmission Mount Bracket.

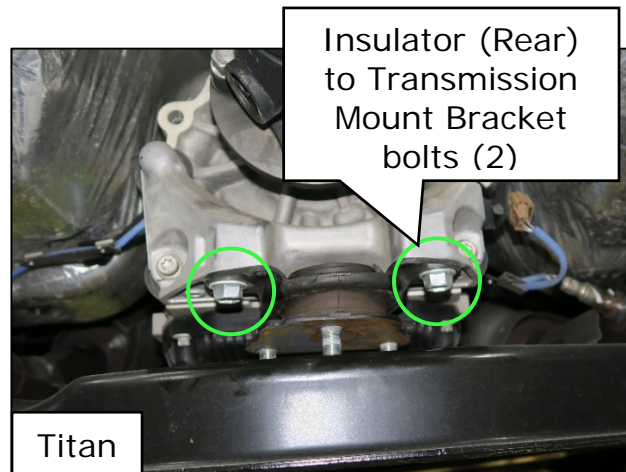


Figure 6

- On all models, remove the four (4) Transmission Mount Bracket bolts from the Transmission (Frontier shown, Titan is similar).
- Remove the Transmission Mount Bracket and the Insulator (Rear).
- The Transmission Mount Bracket bolts will not be reused.

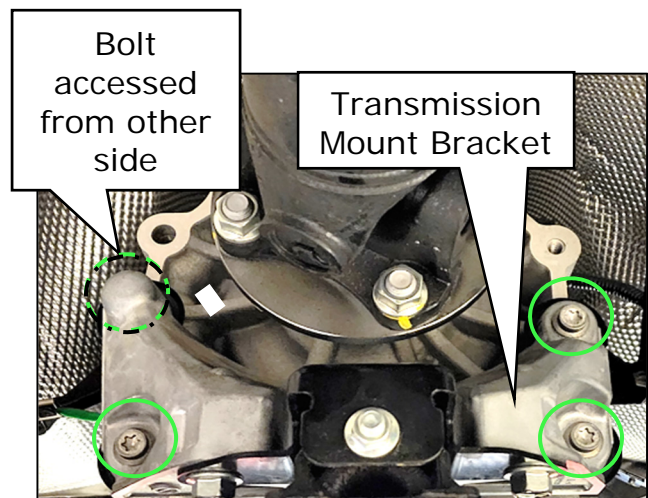


Figure 7

NOTICE

To avoid damage to the Transmission Parking Pawl Pin, use care when handling it. If the Transmission Parking Pawl Pin is dropped or it sustains an impact, it **cannot** be used.

6. Prepare the replacement Parking Pawl Pin.

- Apply a small amount of transmission fluid onto the NEW Parking Pawl Pin.
- The new Parking Pawl Pin has a circle engraved on one end for identification.

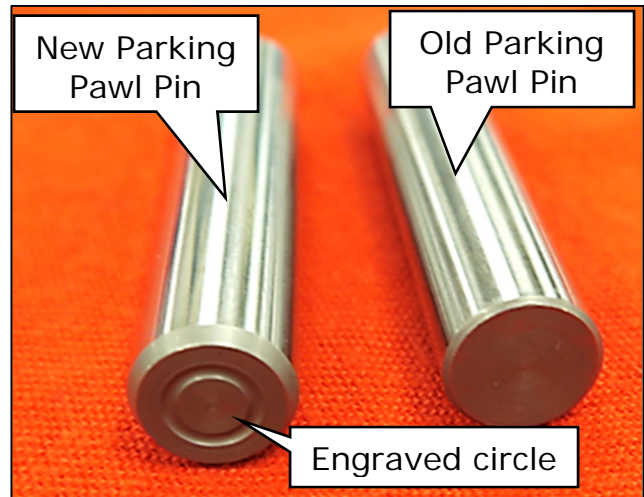


Figure 8

7. Adjust the transmission jack so that the Transmission Pan is in a level position to minimize the amount of fluid loss during Parking Pawl Pin replacement.

IMPORTANT:

To help prevent the Parking Pawl from moving out of position, do **NOT** move the Propeller Shaft after seating the Parking Pawl to the Parking Gear.

8. Rotate the Propeller Shaft **clockwise** to seat the Parking Pawl against the Parking Gear.

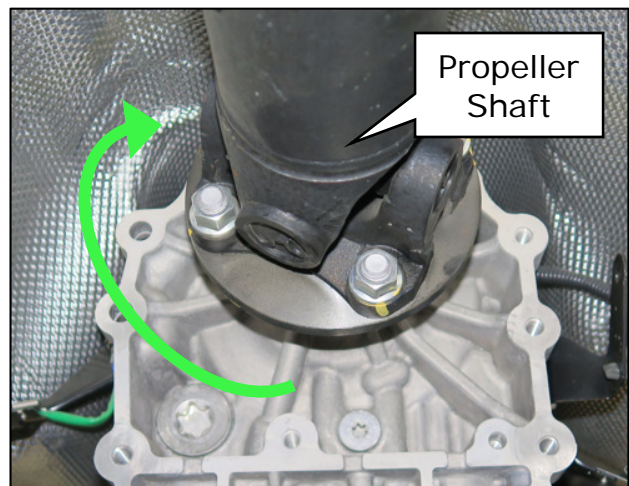


Figure 9

9. Position a suitable drain pan under the rear of the Transmission.

NOTICE

To prevent sealant entry and possible damage to the Transmission, ensure to remove **ALL** residual sealant from the Transmission Case threads after removing the Transmission Plug in step 10.

10. Remove the Transmission Plug shown in Figure 10.
 - During removal, loosen and tighten the Transmission Plug several times to remove sealant from the Transmission Case threads.
 - Discard the removed Transmission Plug.
 - Using a clean shop towel, remove the residual sealant from the Transmission Case threads.

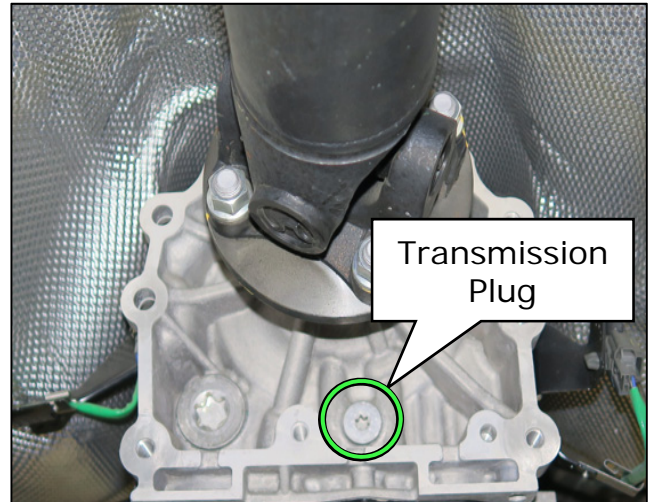


Figure 10

IMPORTANT:

To help prevent the Parking Pawl from moving out of position, do **NOT** move the Propeller Shaft after seating the Parking Pawl to the Parking Gear.

11. Remove the Parking Pawl Pin.
 - Using a magnetic rod, remove the Parking Pawl Pin from the Transmission.

NOTE:

If the Transmission is in a level position, there should be little to no fluid lost during the Parking Pawl Pin replacement.

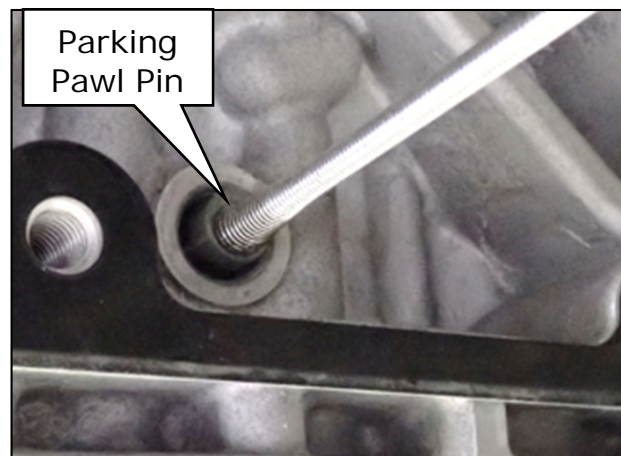


Figure 11

NOTICE

To prevent damage to the Transmission, do NOT strike the new Parking Pawl Pin with any tools during installation.

12. Install the new Parking Pawl Pin into the Transmission.

- Inspect the position of the Parking Pawl.
- If the Parking Pawl hole is fully visible as shown in Figure 12, the new Parking Pawl Pin should slide fully into the Transmission.
 - If the Parking Pawl Pin installed fully into the Transmission, skip to step 19 on page 10.
 - If the Parking Pawl Pin did NOT install fully into the Transmission, the Parking Pawl may have moved out of position. Continue to step 13 on page 8 for **Parking Pawl Position Recovery**.



Figure 12

Parking Pawl Position Recovery

13. If the hole for the Parking Pawl is partially visible through the Transmission Case hole as shown in Figure 13, skip to step 16 on page 9.

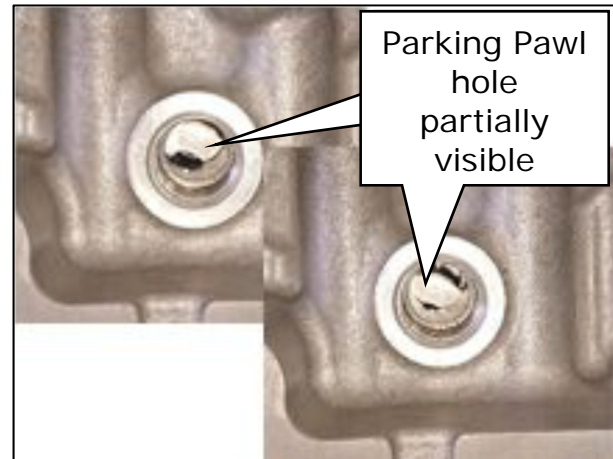


Figure 13

14. If the hole for the Parking Pawl is **NOT** visible through the Transmission Case hole as shown in Figure 14, use a small magnetic rod to raise the Parking Pawl until the hole is visible.

- If the Parking Pawl raised and the hole is visible as shown in Figure 13, skip to step 16 on page 9.
- If the Parking Pawl cannot be raised, continue to step 15.



Figure 14

15. Send an email with the below information to:
FQA_Inspection_Support@nissan-usa.com.
A response will be provided within 48 business hours.

Email subject line: R22A7 Parking Pawl

Dealer Code:

Dealer Name:

Contact Name:

Contact Email address:

Contact Phone Number:

16. Using a clean, straight pick or similar tool, lift the Parking Pawl upward.



Figure 15

- Insert a Phillips head screwdriver into the hole and remove the pick.



Figure 16

17. Align the Parking Pawl and the Transmission Case holes.
- Remove the Phillips head screwdriver and verify the Parking Pawl and the Transmission Case holes are aligned.

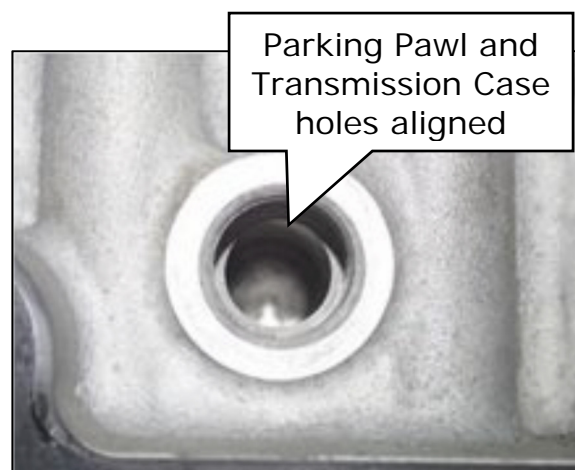


Figure 17

18. Install the new Parking Pawl Pin.

NOTICE

To prevent sealant entry and possible damage to the Transmission, ensure to remove **ALL** residual sealant from the Transmission Case threads before installing the new Transmission Plug in step 19.

19. Install the new Transmission Plug.
 - Transmission Plug torque 22.0 N•m (2.2 kg-m, **16 ft-lb**)

20. Clean any spilled residual fluid from the Transmission using a suitable cleaner and a shop rag.

21. Reinstall the Transmission Mount Bracket and the Insulator (Rear).
 - During reinstallation, be sure to use the new Transmission Mount Bracket bolts and gaskets provided in the kit.
 - Torque the four (4) Transmission Mount Bracket bolts to 11.0 N•m (1.1 kg-m, **97 in-lb**), then tighten an additional 90°.
 - Torque the two (2) Insulator (Rear) to Transmission Mount Bracket bolts to 87.5 N•m (8.9 kg-m, **65 ft-lb**).
 - Torque the three (3) Insulator (Rear) nuts securing the Transmission to the Cross Member to 87.5 N•m (8.9 kg-m, **65 ft-lb**).

- NOTE:** If **NO** fluid was lost during the Parking Pawl Pin replacement, it is not necessary to set the transmission fluid level.

22. Set the transmission fluid level.
 - Refer to the ESM: **TRANSMISSION & DRIVELINE > TRANSAXLE & TRANSMISSION > 9AT: GE9R01A > PERIODIC MAINTENANCE > A/T FLUID > Adjustment**

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
SHAFT KIT – PARKING PAWL	C1986-X280B	1
Matic P Transmission Fluid	999MP-MTP10P	As needed (1)

(1) One (1) quart maximum.

CLAIMS INFORMATION

Submit a “CM” line claim using the following claims coding:

CAMPAIGN (“CM”) ID	DESCRIPTION	OP CODE	FRT
R22A7	Replace Parking Pawl Pin (Titan 2WD)	R22A70	1.0
	Replace Parking Pawl Pin (Frontier 2WD)	R22A72	1.1

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
July 28, 2022	NTB22-065	Original bulletin published