

# Cyclic Growl/Groan Noise from Front Differential

**Service Category** Drivetrain

**Section** Axle/Differential

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2021 - 2024	4Runner	VDS(s): BU5JR, HU5JR, JU5JR, KU5JR, LU5JR, MU5JR, NU5JR, PU5JR, RU5JR, SU5JR, TU5JR, UU5JR Drive Type(s): 4WD

## Introduction

Some 2021 – 2024 model year 4Runner vehicles may exhibit a cyclic growl/groan noise from the front of the vehicle while driving in 2WD at around 30 – 50 mph (48 – 80 kph). The noise subsides when the vehicle is put into 4WD. This condition may be more prominent in colder temperatures. Follow the Repair Procedure in this bulletin to address this condition.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
TC2302	Prepare The Threaded Holes and Install the Dynamic Damper	0.5	41110-#####*	9B	43
Combo A	R & R Front Differential	2.9			

\*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

### APPLICABLE WARRANTY

- This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

## Cyclic Growl/Groan Noise from Front Differential

### Parts Information

PART NUMBER	PART NAME	QUANTITY
41196-60020	Differential, Dynamic Damper	1
41110-35A92	Front Differential	0 – 1
91511-80820	Bolt, Flange	2

### Required Tools & Equipment

REQUIRED TOOLS & MATERIAL	QUANTITY
Thread Chaser/Tap & Die Set or Equivalent	1

### Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a cyclic growl/groan noise from the front of the vehicle while driving in 2WD at around 30 – 50 mph (48 – 80 kph)?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Confirm the front differential production date.

Is the vehicle equipped with a front differential built BEFORE April 11<sup>th</sup>, 2022?

- **YES** — Continue to step 3.
- **NO** — Go to step 4.

**Figure 1.**



<b>1</b>	<b>Production Date (YY.MM.DD)</b>
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### Repair Procedure (continued)

3. Replace the front differential.

Refer to TIS, applicable model and model year Repair Manual:

- 2021 – 2024 4Runner:  
*Drivetrain – Axle and Differential – “Axle And Differential: Front Differential Carrier Assembly (for 4WD): [Removal](#) / [Installation](#)”*

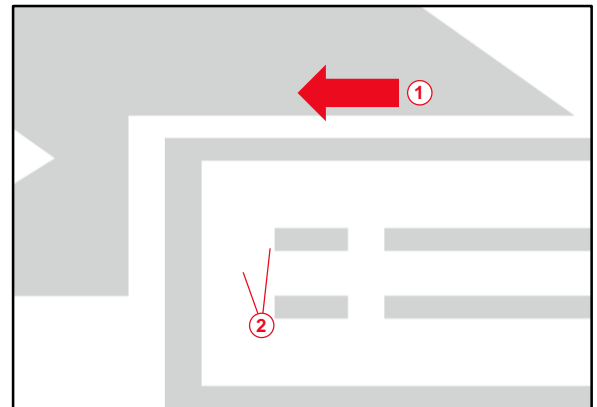
4. Remove the No. 1 engine under cover sub-assembly.

Refer to TIS, applicable model and model year Repair Manual:

- [2021 – 2024](#) 4Runner:  
*Engine/Hybrid System – Engine Mechanical – “1GR-FE (Engine Mechanical): Engine Assembly: Removal”*

5. Locate the front No.1 differential support with two threaded holes.

**Figure 2.**



<b>1</b>	<b>Front</b>
<b>2</b>	<b>Two Threaded Holes</b>

6. If debris or rust is present in the threaded holes, use a M8 x 1.25 thread chaser or tap to prepare the threads.

**Figure 3.**



## Cyclic Growl/Groan Noise from Front Differential

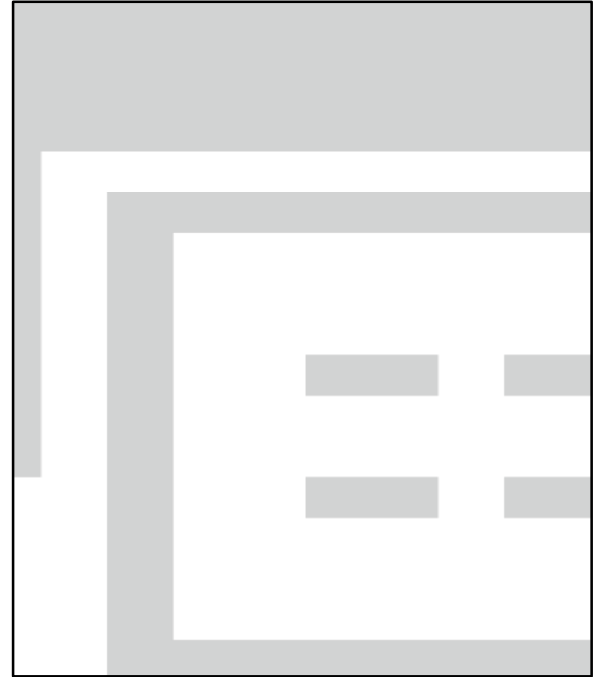
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### Repair Procedure (continued)

7. Install the dynamic damper facing upward with the two flanged bolts.

**Torque: 25 N\*m (254.9 kgf\*cm, 19 ft\*lbf)**

**Figure 4.**



8. Reinstall the No. 1 engine under cover sub-assembly.  
Refer to TIS, applicable model and model year Repair Manual.  
[2021 – 2024](#) 4Runner:  
*Engine/Hybrid System – Engine Mechanical – “1GR-FE (Engine Mechanical): Engine Assembly: Installation”*
9. Confirm the noise level has improved.