

# Front Differential Cyclical Groaning/Grinding Noise

**Service Category** Drivetrain

**Section** Axle/Differential

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2018	Tacoma	

## Introduction

Some 2016 – 2018 model year Tacoma 4WD vehicles may exhibit a cyclical groaning or grinding noise coming from the front differential in 2WD that is not present during 4WD operation. Follow the Repair Procedure in this bulletin to address this condition.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
DL1701	R & R Front Differential	2.6	41110-35D70 41110-35D80	91	14

### 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.

## Front Differential Cyclical Groaning/Grinding Noise

### Parts Information

ENGINE	DRIVE TYPE	TRANSMISSION	PART NUMBER		PART NAME	QTY
			PREVIOUS	NEW		
2GR	4WD	AT	41110-35D70	41110-35B70	Carrier Assy, Differential, Front	1
2TR		MT				
2GR		AT	41110-35D80	41110-35B90		
2TR						
All	All	95381-04045		Pin, Cotter	2	
		95381-03225			2	
		90430-14011		Gasket (For Temperature Sensor)	1	

### Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Ball Joint Puller*	<a href="#">09628-62011</a>	1
Drive Shaft Remover Attachment*	<a href="#">09520-01010</a>	1
Differential Side Gear Shaft Tool	<a href="#">09520-24010</a>	1

\* Essential SST.

#### NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

REQUIRED TOOLS & MATERIAL	QUANTITY
Toyota Genuine Differential Gear Oil LT SAE 75W-85 APL GL-5 or Equivalent	1.55 liters

### Repair Procedure

- Confirm the condition is present.  
Is there a cyclical groaning or grinding noise coming from the front differential in 2WD that is NOT present during 4WD operation?
  - YES** — Continue to step 2.
  - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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### Repair Procedure (continued)

2. Remove the front differential.

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

- 2016 – 2018 Tacoma:

*Engine/Hybrid System – Differential – [“Differential: Front Differential Carrier Assembly \(for 4WD\): Removal”](#)*

3. Install the NEW front differential.

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

- 2016 – 2018 Tacoma:

*Engine/Hybrid System – Differential – [“Differential: Front Differential Carrier Assembly \(for 4WD\): Installation”](#)*

4. Warm up and test drive the vehicle to confirm the cyclical grinding or groaning noise is NOT present.