

# 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 - 2019	4Runner	

## Introduction

Some 2016 – 2019 model year 4Runner 4WD vehicles may exhibit a cyclical groaning or grinding noise from the front differential in 2WD that is not present during 4WD operation. Follow the Repair Procedure in this bulletin to address this condition.

## Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VIN shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
4Runner	Tahara	4WD	JTEBU5JR#K5632980

## Warranty Information

OP CODE	DESCRIPTION	TIME	OPF	T1	T2
435151	R & R Front Differential	2.9	41110-35A91	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

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
41110-35A91	41110-35A92	Carrier Assy, Differential, Front	1

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

\*Essential SST.

#### NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 13.30.018 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

### Repair Procedure

1. Confirm the condition exists.  
 Is a cyclical groaning or grinding noise present 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.
2. Remove the front differential.  
 Refer to TIS, applicable model and model year Repair Manual:
  - 2016 – 2019 4Runner:  
*Drivetrain – Axle/Differential* – [“Axle and Differential: Front Differential Carrier Assembly\(for 4WD\): Disassembly”](#)

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### Repair Procedure (continued)

3. Install the NEW front differential.

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

- 2016 – 2019 4Runner:

*Drivetrain – Axle/Differential* – [“Axle and Differential: Front Differential Carrier Assembly\(for 4WD\): Installation”](#)

4. Test-drive the vehicle to confirm the cyclical groaning or grinding noise is no longer present.