

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	

REVISION NOTICE

February 8, 2019 Rev1:

- The Warranty Information section has been updated.
- Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2016 – 2019 model year 4Runner 4WD vehicles may exhibit a cyclical groaning/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	OFF	T1	T2
435071	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 TOOLS & MATERIAL	QUANTITY
Toyota Genuine Differential Gear Oil LT SAE 75W-85 APL GL-5 or Equivalent	1.55 liters

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/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.

Front Differential Cyclical Groaning/Grinding Noise

Repair Procedure (continued)

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”](#)

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/grinding noise is no longer present.