

# Chirp Noise From the Main Accessory Drive Belt

**Service Category** Engine/Hybrid System

**Section** Engine Mechanical

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2020	Tacoma	VDS(s): AZ5CN, BZ5DN, CZ5AN, DZ5BN, EZ5CN, GZ5AN, RZ5CN, SZ5AN Engine(s): 2GR

### REVISION NOTICE

March 25, 2021 Rev1:

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

## Introduction

Some 2016 – 2020 model year Tacoma vehicles equipped with a 2GR-FKS engine may exhibit a chirp noise from the main accessory drive belt. 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 VINs shown below.

PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
TMMBC	2WD	3TMAZ5CN#KM113871
		3TMBZ5DN#KM023284
		3TMEZ5CN#LM114685
	4WD	3TMCZ5AN#KM285777
		3TMGZ5AN#KM285795
		3TMDZ5BN#KM079287

## Chirp Noise From the Main Accessory Drive Belt

### Production Change Information (continued)

PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
TMMTX	2WD	5TFAZ5CN#KX087221
		5TFBZ5DN#KX004929
		5TFEZ5CN#KX087230
		5TFRZ5CN#KX087218
	4WD	5TFCZ5AN#KX210730
		5TFSZ5AN#KX210731
		5TFDZ5BN#KX046490
		5TFGZ5AN#KX210814

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
160251	R & R V-ribbed Belt	0.2	90916-A2025	91	40

#### APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 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.

### Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
90916-A2025	90916-A2037	Belt, V-ribbed	1

## Chirp Noise From the Main Accessory Drive Belt

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### Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a chirp noise from the main accessory drive belt?

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

2. Remove the main accessory drive belt.

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

- [2016 – 2020 Tacoma](#):  
*Engine/Hybrid System – Engine Mechanical – “2GR-FKS (Engine Mechanical): Drive Belt: Removal”*

3. Start the engine and confirm the condition is NOT present with the main accessory drive belt removed.

**NOTICE**

**Only run the engine for MAXIMUM of 10 seconds with the drive belt removed.**

Does the vehicle exhibit a chirp noise with the main accessory drive belt removed?

- **NO** — Continue to step 4.
- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

## Chirp Noise From the Main Accessory Drive Belt

### Repair Procedure (continued)

4. Install the NEW main accessory drive belt.

**NOTE**

BEFORE installing NEW main accessory drive belt:

- Ensure pulleys are clean of debris and dry.
- Confirm component pulley alignment.

**NOTICE**

**Do NOT apply oil or grease to the belt tensioner; doing so can cause abnormal noises or malfunctions.**

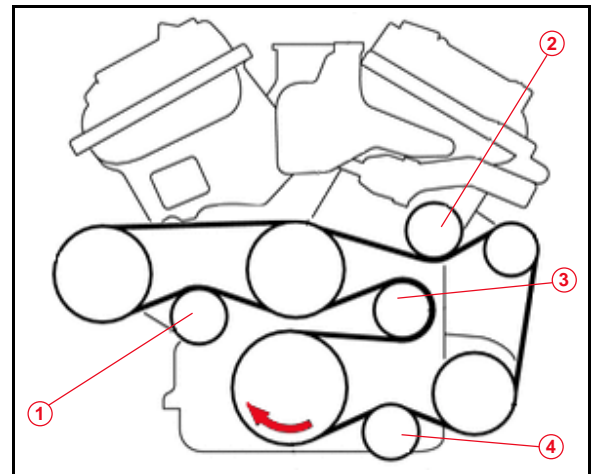
Refer to TIS, applicable model and model year Repair Manual:

- [2016 – 2020 Tacoma](#):  
*Engine/Hybrid System – Engine Mechanical – “2GR-FKS (Engine Mechanical): Drive Belt: Installation”*

**NOTE**

- Slight wobble of ANY idler pulley or tensioner pulley is a normal condition.
- Refer to the video link for an example of a normal idler pulley operation:  
[Example of Normal Idler Pulley Operation](#)
- Do NOT replace ANY idler pulley or the tensioner for this slight wobble condition.

**Figure 1.**



1	Idler Pulley #2
2	Upper Idler Pulley #2
3	Tensioner
4	Idler Pulley #1

5. Test-drive the vehicle to confirm the condition no longer exists.