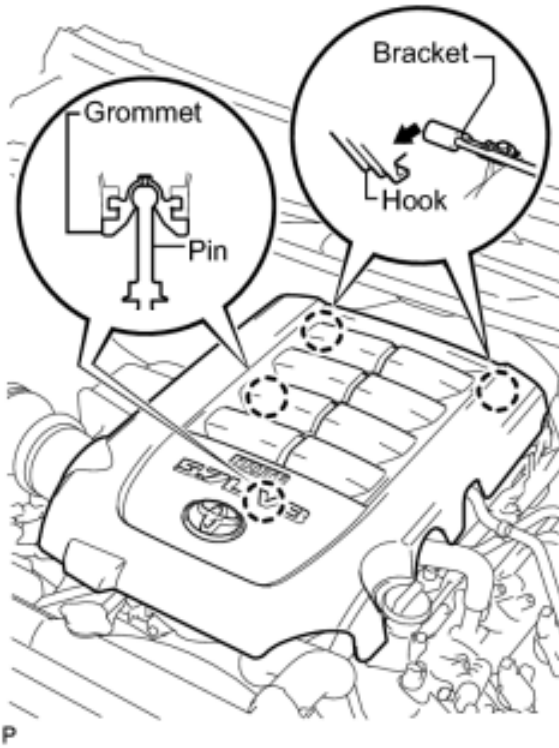


# **Tundra 3UR-FE 5.7L V8 Drive Belt Replacement**



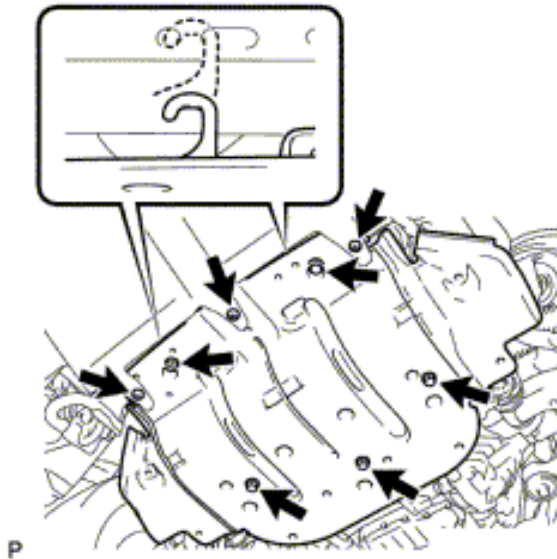
## Removal

### 1. REMOVE V-BANK COVER SUB-ASSEMBLY



(a) Raise the front of the V-bank cover to detach the 2 pins. Then remove the 2 V-bank cover hooks from the bracket, and remove the V-bank cover.

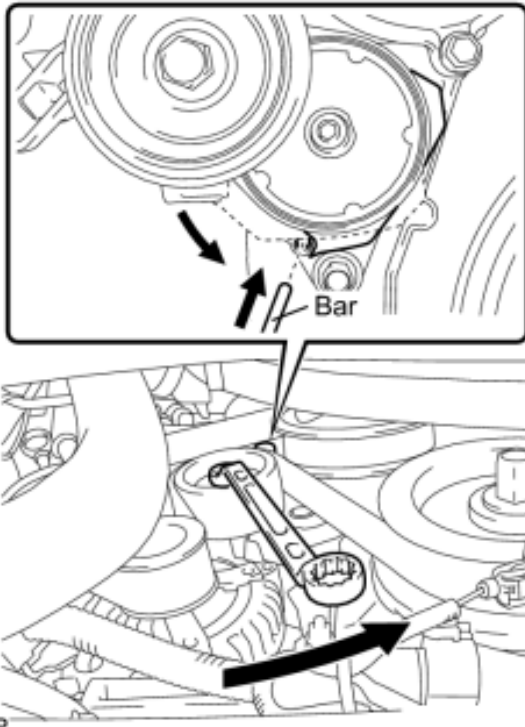
### 2. REMOVE NO. 1 ENGINE UNDER COVER



(a) Remove the 3 screws and 5 bolts.

(b) Unhook the engine under cover from the vehicle body as shown in the illustration.

### 3. REMOVE FAN & GENERATOR V BELT



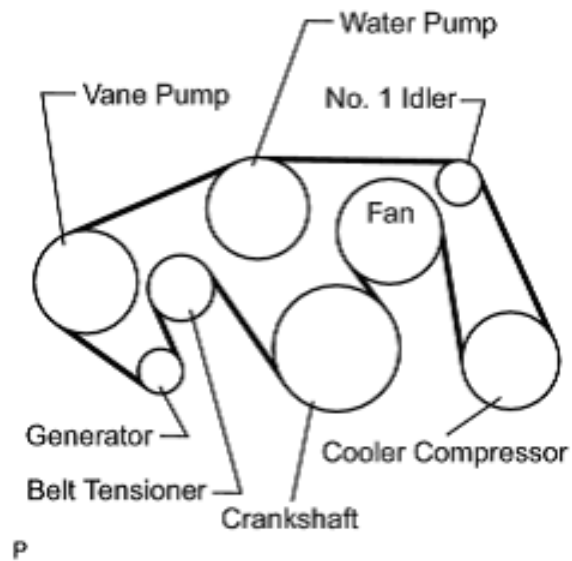
(a) While turning the belt tensioner counterclockwise, align the service hole for the belt tensioner and the belt tensioner fixing position, and then insert a bar of 5 mm (0.197 in.) into the service hole to fix the belt tensioner in place.

**Note: The pulley bolt for the belt tensioner has a left-hand thread.**

(b) Remove the V belt.

## Installation

### 1. Install Serpentine Belt



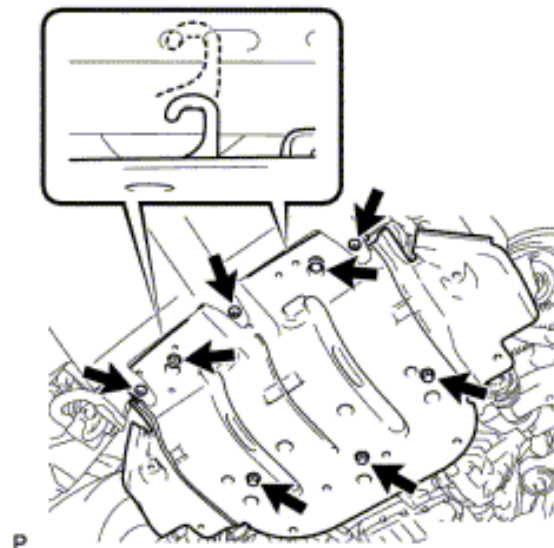
- Set the V belt onto every part.
- While turning the belt tensioner counterclockwise, remove the pin.

**NOTICE:** Make sure that the V belt is properly set to each pulley.

- After installing the belt, check that it fits properly in the ribbed grooves.

**Note:** Make sure to check by hand that the belt has not slipped out of the grooves on the bottom of the pulley.

### 2. INSTALL NO. 1 ENGINE UNDER COVER



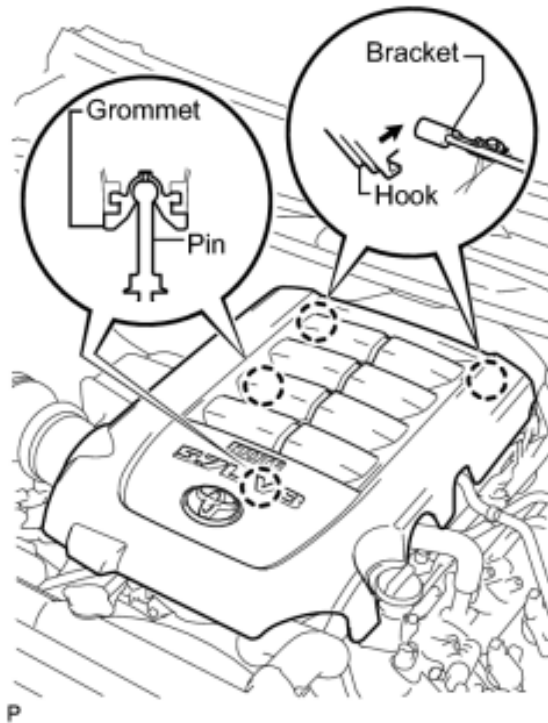
(a) Hook the engine under cover to the vehicle body as shown in the illustration above.

(b) Install the 3 screws and 5 bolts.

For bolt - Torque: 29 N·m (296 kgf·cm, 21ft·lbf)

For screw - Torque: 5.4 N·m (55 kgf·cm, 48in·lbf)

### 3. INSTALL V-BANK COVER SUB-ASSEMBLY



(a) Attach the 2 V-bank cover hooks to the bracket. Then align the 2 V-bank cover grommets with the 2 pins, and press down on the V-bank cover to attach the pins.

Parts:

Goodyear Gatorback 4080945 (8PK2400)

Toyota Land Cruiser Part # 90916-02680

Links:

<http://www.tundrasolutions.com>

<http://www.tundratalk.net/forums/tundra-general-discussion/88016-check-your-serp-belt.html>

<http://www.tundratalk.net/forums/tundra-general-discussion/90900-serp-belt-questions.html>

<http://www.tundrasolutions.com/forums/tundra/158062-serpentine-belt-needs-replacing-3/>

# 3UR-FE Accessory Drive Belt Tensioner

**Service Category** Engine/Hybrid System

**Section** Engine Mechanical

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2008	Tundra	Engine(s): 3UR VDS(s): BV541, BV581, CV541, DV541, DV581, EV541, EV581, JV521, KV521, LV521, MV521, RV541, RV581, SV541

## Introduction

Some customers may experience an abnormal noise from the engine accessory drive belt area. An improved accessory drive belt tensioner assembly has been developed to keep the tensioner pulley in alignment with the other pulleys. If the tensioner pulley is out of alignment, use the procedure in this bulletin to address the customer's concern.

## Production Change Information

This TSB applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	WHEEL BASE	PRODUCTION CHANGE EFFECTIVE VIN
Tundra	TMMI	2WD	3700 mm (145.7 in.)	5TB*V5#1*8S477440
		4WD		5TB*V5#1*8S500080
	TMMTX	2WD	3220 mm (126.8 in.)	5TF*V5#1*8X002623
			3700 mm (145.7 in.)	5TF*V5#1*8X043290
			4180 mm (164.6 in.)	5TF*V5#1*8X005117
		4WD	3220 mm (126.8 in.)	5TF*V5#1*8X002651
			3700 mm (145.7 in.)	5TF*V5#1*8X043415
			4180 mm (164.6 in.)	5TF*V5#1*8X006010

## Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
16620-0S010	Same	Tensioner Assembly, V-Ribbed Belt	1

## 3UR-FE Accessory Drive Belt Tensioner

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG8041	R & R Accessory Drive Belt Tensioner	0.5	16620-0S010	91	14

#### APPLICABLE WARRANTY

- This repair is covered under the Toyota Comprehensive 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 correction of a problem based upon a customer's specific complaint.

### Repair Procedure

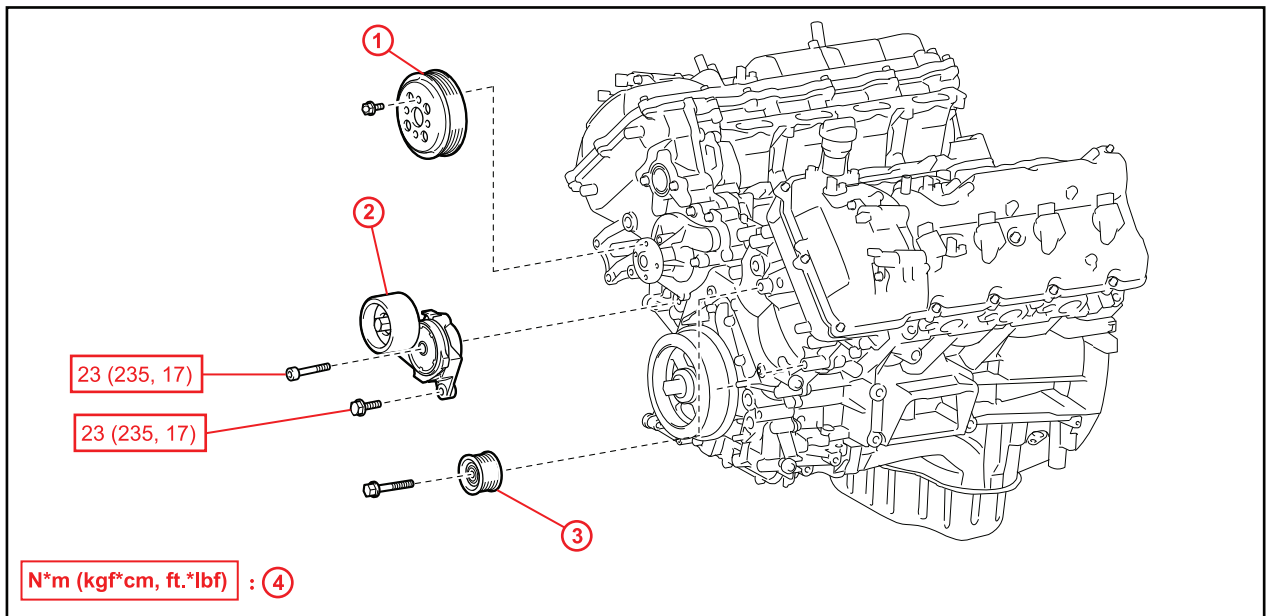
1. Remove the drive belt.

Refer to the Technical Information System (TIS), applicable model year Tundra Repair Manual:

[2007 / 2008 Tundra, Engine/Hybrid System – Engine Mechanical – “3UR-FE Engine Mechanical: Drive Belt: Removal”](#)

2. Remove the drive belt tensioner assembly.

Figure 1.



1	Water Pump Pulley
2	V-Ribbed Belt Tensioner Assembly

3	No. 1 Idler Pulley Sub-assembly
4	Specified Torque

## 3UR-FE Accessory Drive Belt Tensioner

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### Repair Procedure (Continued)

3. Replace the drive belt tensioner assembly.

**Torque: 23 N\*m (235 kgf\*cm, 17 ft\*lbf)**

4. Replace the drive belt.

Refer to TIS:

[2007](#) / [2008](#) Tundra, *Engine/Hybrid System – Engine Mechanical – “3UR-FE Engine Mechanical: Drive Belt: Installation”*

5. Confirm the condition has been remedied.