## Rear Axle Bearing Abnormal Noise

| Service Category | Drivetrain |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Section | Axle/Differential |  | Market | USA | Toyota Supports ASE Certification |
| Applicabilit |  |  |  |  |  |
|  | YEAR(S) | MODEL(S) |  | ADDITIO |  |
|  | 2007-2010 | Tundra |  |  |  |

## Introduction

Some 2007-2010 model year Tundra vehicles may exhibit a howling or growling noise from the rear of the vehicle that increases with vehicle speed. Changes have been made to the rear axle bearing to correct this condition. Follow the procedure in the bulletin to address customer concerns.

## Warranty Information

| OP CODE | DESCRIPTION | TIME | OFP | T1 | T2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 421101 | R \& R Rear Axle Shaft Bearing | 1.0 | $424 \# 0-0 C 010$ | 91 | 43 |
| Combo A | Opposite Side | 0.7 |  |  |  |

## APPLICABLE WARRANTY

- This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or $\mathbf{6 0 , 0 0 0}$ 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

| PREvious PART NUMBER | CURRENT PART NUMBER | PART NAME | QTY |
| :---: | :---: | :---: | :---: |
| N/A | $04000-0010 \mathrm{C}$ | Rear Wheel Bearing Kit (RH) | 1 |
| N/A | $04000-0020 \mathrm{C}$ | Rear Wheel Bearing Kit (LH) | 1 |

## Rear Axle Bearing Abnormal Noise

Required Tools \& Equipment

| TOOLS \& MATERIAL | QUANTITY |
| :---: | :---: |
| Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 (or equivalent) | As Needed |


| REQUIRED EQUIPMENT | SUPPLIER | PART NUMBER | QTY |
| :--- | :---: | :---: | :---: |
| ChassisEAR ${ }^{\text {TM }}$ (or equivalent) | ADE | JSPSM06606 <br> (JS Products) | 1 |

## NOTE

- A mechanic's stethoscope or similar tool may be used in place of ChassisEAR ${ }^{\text {TM }}$.
- ChassisEAR ${ }^{\text {M }}$ may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

| SPECIAL SERVICE TOOLS (SST'S) | PART NUMBER | QTY |
| :---: | :---: | :---: |
| Oil Seal Puller | 09308-00010 | 1 |
| Rear Axle Shaft Puller* | 09521-25011-01 | 1 |
| Rear Axle Shaft Puller Adapter* | 09521-60010-01 | 1 |
| Rear Axle Shaft Puller Spacer* | 09521-25000-01 |  |
| Seal Ring Tool* | 09631-12090 | 1 |
| Lower Control Shaft Bearing Replacer | 09726-40010 | 1 |
| Replacer Set \#3* (Replacer 110) | $\frac{09950-60030-01}{(09951-01100-01)}$ | 1 |
| Outer Bearing Cup Replacer | 09950-60020 | 1 |
| Handle Set* | 09950-70010-01 | 1 |
| Brake Shoe Return Spring Tool** | 09703-30010 | 1 |
| Shoe Hold Down Spring Driver** | 09718-00010 | 1 |

* Essential SST.
** Special Order.


## NOTE

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

## Rear Axle Bearing Abnormal Noise

## Repair Procedure Overview

- Confirm noise is coming from the rear of the vehicle and changes with vehicle speed.
- Install ChassisEAR ${ }^{\text {TM }}$ (or equivalent) and isolate the noise to the rear wheel bearing.
- Remove the rear axle shaft assembly.
- Install new rear wheel bearing, brake caliper bracket, and seals.
- Reinstall rear axle shaft assembly and confirm the noise is no longer present.


## Repair Procedure

1. Test drive the vehicle and confirm the customer complaint.

Does the noise increase and decrease with vehicle speed?

- YES - Go to step 2.
- NO - This TSB does NOT apply. Refer to the Repair Manual for further diagnosis.

2. Install ChassisEAR ${ }^{\text {TM }}$ on the vehicle and attempt to isolate the source of the noise.

Is the noise loudest near the rear wheel bearing assembly?

- YES - Go to step 3.
- NO - This TSB does NOT apply. Continue diagnosis to isolate the source of the noise.

3. Replace the rear wheel bearing, caliper bracket, and related parts.

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

- 2007 Tundra:

Drivetrain - Axle/Differential - "Axle: Rear Axle Shaft: Removal / Disassembly / Reassembly / Installation"

- 2008 Tundra:

Drivetrain - Axle/Differential - "Axle: Rear Axle Shaft: Removal / Disassembly / Reassembly / Installation"

- 2009 Tundra:

Drivetrain - Axle/Differential - "Axle: Rear Axle Shaft: Removal / Disassembly /
Reassembly / Installation"

- 2010 Tundra:

Drivetrain - Axle/Differential - "Axle: Rear Axle Shaft: Removal / Disassembly / Reassembly / Installation"
4. Test drive the vehicle and confirm the noise is eliminated.
5. Re-check rear differential oil level and confirm NO leaks are present.

