

Growling Noise With Clutch Pedal Released

Service
Category Drivetrain

Section Manual Transmission/Transaxle

Market USA

Scion Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2011 – 2013	tC	Transmission(s): 6MT

Introduction

Some 2011 – 2013 model year Scion tC vehicles equipped with a manual transmission may exhibit a growling or rattle noise from the transmission area when the clutch pedal is released. Changes have been made to the input shaft rear bearing. Follow the procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
336091	R & R Radial Ball Bearing (for Input Shaft Rear)	8.6	90363-35068	91	40

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.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
90363-35068	Same	Bearing, Radial Ball	1

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Plastic Pry Tool Set*	<u>00002-06000-01</u>	1
Pinion Rear Bearing Cone Replacer	<u>09506-35010</u>	1
Rear Axle Shaft Bearing Remover	<u>09527-21011</u>	1
Transmission Transfer Bearing Replacer Set	<u>09316-60011</u>	1
Rear Axle Shaft Bearing Remover	<u>09527-21011</u>	1
Inner Bearing Cone Replacer	<u>09608-04031</u>	1

* Essential SST.

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

TOOLS & MATERIAL	QUANTITY
Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent	1
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Toyota Genuine Seal Packing 1281, Three Bond 1281 or equivalent	1

Repair Procedure

1. Confirm there is a growling or rattle noise coming from the transmission assembly when the clutch pedal is fully released.
 - A. Is the noise coming from the transmission assembly?
 - **YES** — Continue to step B.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
 - B. Does the noise go away when the clutch pedal is depressed?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Remove the clutch release cylinder, then the transmission assembly.

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

- 2011 / 2012 / 2013 Scion tC:
Drivetrain – Manual Transmission/Transaxle – “EB60 Manual Transmission / Transaxle: Manual Transaxle Assembly: Removal”

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Repair Procedure (Continued)

3. Disassemble the transmission assembly to access the input shaft.

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

- 2011 / 2012 / 2013 Scion tC:
Drivetrain – Manual Transmission/Transaxle – “EB60 Manual Transmission / Transaxle: Manual Transaxle Unit: Disassembly”

4. Disassemble the transmission input shaft.

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

- 2011 / 2012 / 2013 Scion tC:
Drivetrain – Manual Transmission/Transaxle – “EB60 Manual Transmission / Transaxle: Input Shaft: Disassembly”

5. Reassemble the input shaft with the NEW bearing.

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

- 2011 / 2012 / 2013 Scion tC:
Drivetrain – Manual Transmission/Transaxle – “EB60 Manual Transmission / Transaxle: Input Shaft: Reassembly”

6. Reassemble the transmission assembly.

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

- 2011 / 2012 / 2013 Scion tC:
Drivetrain – Manual Transmission/Transaxle – “EB60 Manual Transmission / Transaxle: Manual Transaxle Unit: Reassembly”

7. Reinstall the transmission assembly.

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

- 2011 / 2012 / 2013 Scion tC:
Drivetrain – Manual Transmission/Transaxle – “EB60 Manual Transmission / Transaxle: Manual Transaxle Unit: Installation”

8. Test drive the vehicle and confirm the noise is eliminated.