

Front Strut Insulator Noise

Service
Category Suspension

Section Front Suspension

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013 – 2014	Avalon HV	
2005 – 2014	Avalon	
2007 – 2014	Camry, Camry HV	

Introduction

Some Avalon, Avalon HV, Camry, and Camry HV vehicles may exhibit an abnormal noise when turning and/or driving over uneven road surfaces. A new improved service part insulator for the front strut is available to reduce the possibility of the dust boot becoming wedged between the strut shaft bumper and strut shaft. Follow the procedures in this bulletin to address this condition.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
48157-06082 48157-33072	48157-06083	Insulator, Front Strut	2

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
ST1402	R & R Insulators	2.4	48157-06082 48157-33072	62	99

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.

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Repair Procedure

1. Test drive the vehicle to confirm noise.
2. Lift vehicle on hoist and inspect Front Strut Insulator for binding between strut bumper and strut shaft.

Is there a binding concern with the insulator as shown in Figure 1?

- **YES** — Continue to step 3.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1.



3. Remove front strut assembly.

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

- [2005](#) Avalon:
Suspension – Front Suspension – “Front Shock Absorber with Coil Spring: Overhaul”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Avalon:
Suspension – Front Suspension – “Suspension: Front Shock Absorber with Coil Spring: Removal”
- [2013](#) / [2014](#) Avalon HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Removal”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Removal”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Removal”

4. Disassemble front strut.

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

- [2005](#) Avalon:
Suspension – Front Suspension – “Front Shock Absorber with Coil Spring: Overhaul”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Avalon:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Disassembly”

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Repair Procedure (Continued)

- [2013](#) / [2014](#) Avalon HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Removal”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Removal”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Removal”

5. Inspect front strut.

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

- [2005](#) Avalon:
Suspension – Front Suspension – “Front Shock Absorber with Coil Spring: Overhaul”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Avalon:
Suspension – Front Suspension – “Suspension: Front Shock Absorber with Coil: Inspection”
- [2013](#) / [2014](#) Avalon HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber with Coil: Inspection”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry:
Suspension – Front Suspension – “Suspension: Front Shock Absorber with Coil: Inspection”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber with Coil: Inspection”

6. Reassemble front strut with new Front Strut Insulators.

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

- [2005](#) Avalon:
Suspension – Front Suspension – “Front Shock Absorber with Coil Spring: Overhaul”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Avalon:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Reassembly”
- [2013](#) / [2014](#) Avalon HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Installation”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Reassembly”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Reassembly”

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Repair Procedure (Continued)

7. Install assembled strut assembly.

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

- [2005](#) Avalon:
Suspension – Front Suspension – “Front Shock Absorber with Coil Spring: Overhaul”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Avalon:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Installation”
- [2013](#) / [2014](#) Avalon HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Installation”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Installation”
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) Camry HV:
Suspension – Front Suspension – “Suspension: Front Shock Absorber: Installation”

8. Check and adjust alignment.
9. Test drive vehicle to confirm condition has been corrected.