


# Rear Shock Squeak and/or Leak

**Service Category** Suspension

**Section** Rear Suspension

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2012	RX350, RX450H	

## Introduction

Some 2010 – 2012 model year RX 350 and RX 450h vehicles may exhibit a squeak coming from the rear of the vehicle when going over an uneven road surface. In addition, some vehicles may also display evidence of an oil leak from the rear shock absorber(s). Use the following repair procedure to address these conditions.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
ST1301	R & R Shock (One Side)	0.6	48531-#####	64	14
Combo A	Other Side	0.2			

### APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 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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### Parts Information

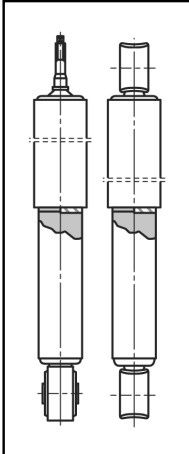
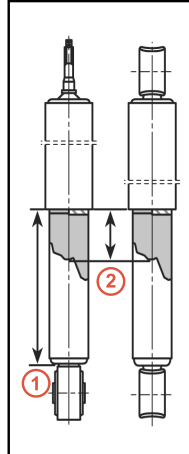
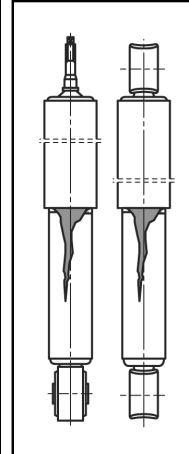
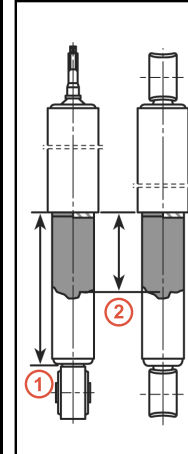
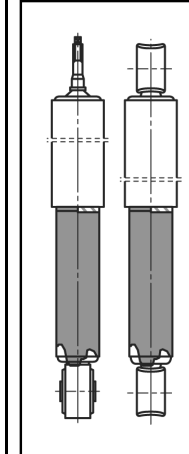
MODEL	DRIVETRAIN	SUSPENSION TYPE	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
RX 350 (TMK)		Regular Coil	48531-48100	48531-48280	Absorber Assembly, Shock, Rear	1
		Sport Package	48531-48130	48531-48131		1
RX 350 (TMMC)	2WD & 4WD	Regular Coil	48531-0E020	48531-0E130		1
		Sport Package	48531-0E040	48531-0E140		1
RX 450h	2WD	Regular Coil	48531 - 48200	48531-48300		1
	4WD		48531 - 48110	48531- 48290		1
	2WD & 4WD	Sport Package	48531-48140	48531-48141		1

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### Repair Procedure

1. Confirm the rear shock absorber(s) are leaking oil and/or squeaking when going over bumps.

**NOTE**  
Verify the oil leak falls within the range of Level 1 – 3 and calls for part replacement.

SHOCK ABSORBER TYPE:	LEVEL 5	LEVEL 4	LEVEL 3	LEVEL 2	LEVEL 1							
Oil Leak Criteria	Figure 1. 	Figure 2. 	Figure 3. 	Figure 4. 	Figure 5. 							
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td> <td>Length</td> </tr> <tr> <td>2</td> <td>1/3 Length</td> </tr> </table>	1	Length	2	1/3 Length		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td> <td>Length</td> </tr> <tr> <td>2</td> <td>1/2 Length</td> </tr> </table>	1	Length	2	1/2 Length
1	Length											
2	1/3 Length											
1	Length											
2	1/2 Length											
Condition	Slight oil seepage, covering approximately 1/4 of lower tube	Moderate oil seepage, covering approximately 1/3 of lower tube	Oil leak/drip down lower tube	Oil leak, covering 1/2 of lower tube	Oil leak, covering entire shock body and extending to lower bushing							
Action	Normal oil evaporation — NOT necessary to replace the shock absorber	Normal oil evaporation — NOT necessary to replace the shock absorber	Abnormal oil leak — Replace the shock absorber	Abnormal oil leak — Replace the shock absorber	Abnormal oil leak — Replace the shock absorber							

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### Repair Procedure (Continued)

2. Remove rear shock absorber.

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

- [2010 \(12/2008 - 08/2009\)](#) / [2010 \(08/2009 - \)](#) / [2011](#) / [2012](#) RX 350:  
*Suspension – Rear Suspension: “Rear Suspension: Rear Shock Absorber: Removal”*
- [2010 \(03/2009 - 08/2009\)](#) / [2010 \(08/2009 - \)](#) / [2011](#) / [2012](#) RX 450h:  
*Suspension – Rear Suspension – “Rear Suspension: Rear Shock Absorber: Removal”*

3. Replace rear shock absorber.

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

- [2010 \(12/2008 - 08/2009\)](#) / [2010 \(08/2009 - \)](#) / [2011](#) / [2012](#) RX 350:  
*Suspension – Rear Suspension – “Rear Suspension: Rear Shock Absorber: Installation”*
- [2010 \(03/2009 - 08/2009\)](#) / [2010 \(08/2009 - \)](#) / [2011](#) / [2012](#) RX 450h:  
*Suspension – Rear Suspension – “Rear Suspension: Rear Shock Absorber: Installation”*

4. Drive the vehicle to confirm that squeak is not heard and oil is not leaking from the rear shock absorber(s).