


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	OFP	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

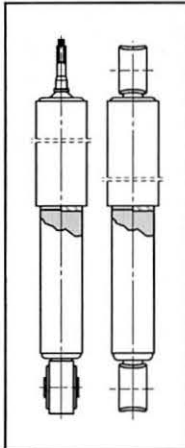
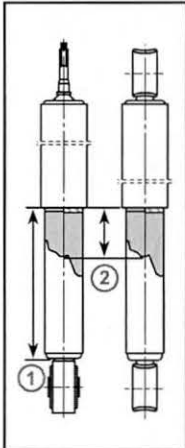
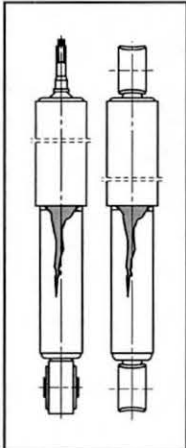
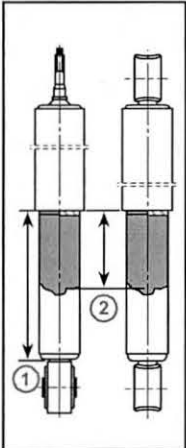
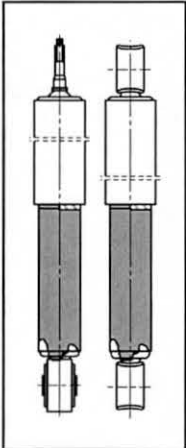
MODEL	DRIVETRAIN	SUSPENSION TYPE	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY	
RX 350 (TMK)	2WD & 4WD	Regular Coil	48531-48100	48531-48280	Absorber Assembly, Shock, Rear	1	
		Sport Package	48531-48130	48531-48131		1	
RX 350 (TMMC)		Regular Coil	48531-0E020	48531-0E130		1	
		Sport Package	48531-0E040	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.  <table border="1" data-bbox="667 1171 850 1276"> <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	Figure 3. 	Figure 4.  <table border="1" data-bbox="1089 1171 1273 1276"> <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	Figure 5. 
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).