

2010 Lexus RX350

Submodel: | Engine Type: V6 | Liters: 3.5

Fuel Delivery: FI | Fuel: GAS

background

L-SB-0026-11

May 4, 2011

Steering Column Rattle Noise

Service Category Steering

Section Steering Column

Market USA

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2011	RX350	

Introduction

Some 2010 – 2011 model year RX 350 vehicles may exhibit a rattle noise from the EPS (Electric Power Steering) Column when turning the steering wheel and/or when driving on rough surfaces. A new EPS steering column assembly is available to address this condition.

Production Change Information

This TSIB applies to:

- All 2010 – 2011 TMK built RX 350 vehicles.
- 2010 – 2011 TMMC built RX 350 vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RX 350	TMMC	2WD	2T2ZK1BA#BC045697
		AWD	2T2BK1BA#BC088127

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
ST1011	R & R Steering Column Assembly	1.4	45250-#####	91	43

APPLICABLE WARRANTY

- This repair is covered under the Lexus Comprehensive 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.

Steering Column Rattle Noise

Parts Information

MODEL	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
TMMC RX 350	45250-0E080			1
TMK RX 350	45250-48240	45250-0E081	Column Assembly, Electronic Power Steering	1

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite	ADE	TSPKG1 or TSLITEDLR01	1

NOTE: Software version 5.10.029 or later is required.

* Essential SST.

NOTE

Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Conduct a road test to confirm a noise from the EPS steering column.

Did the EPS column exhibit a rattle noise from the column when turning steering wheel and/or driving on rough surfaces?

YES – This TSIB DOES apply.

Review the Steering System and Supplemental Restraint System (SRS) PRECAUTION below, and then proceed to step 2 for EPS column assembly replacement.

For complete Steering System Precaution information, refer to the Technical Information System (TIS), applicable model year Repair Manual:

[2010 \(to 08/2009\)](#) / [2010 \(from 08/2009\)](#) / [2011](#) RX 350:
Steering – Steering Column – “Steering Column: Steering System Precaution”

2. Remove the EPS Steering Column Assembly.

For complete removal procedures, refer to TIS, applicable model year Repair Manual:

[2010 \(to 08/2009\)](#) / [2010 \(from 08/2009\)](#) / [2011](#) RX 350:
Steering – Steering Column – “Steering Column: Steering Column Assembly: Removal”

Steering Column Rattle Noise

Repair Procedure (Continued)

3. Disassemble the EPS column assembly.
For complete EPS column disassembly procedures, refer to TIS, applicable model year Repair Manual:
[2010 / 2011 RX 350: Steering – Steering Column – “Steering Column: Steering Column Assembly: Disassembly”](#)
4. Assemble the NEW EPS column assembly.
For complete EPS column reassembly procedures, refer to TIS, applicable model year Repair Manual:
[2010 / 2011 RX 350: Steering – Steering Column – “Steering Column: Steering Column Assembly: Reassembly”](#)
5. Install the NEW EPS column assembly.
For complete EPS column installation procedures, refer to TIS, applicable model year Repair Manual:
[2010 \(to 08/2009\) / 2010 \(from 08/2009\) / 2011 RX 350: Steering – Steering Column – “Steering Column: Steering Column Assembly: Installation”](#)
6. Perform Steering Lock ECU Registration Process.
Perform ECU communication ID registration to register recognition codes in ECUs (Procedure F).
For complete Key Registration procedures, refer to TIS, applicable model year Repair Manual:
[2010 / 2011 RX 350: Engine Immobilizer System – Theft Deterrent / Keyless Entry – “Engine Immobilizer System: Registration”](#)
7. Clear the rotation angle sensor calibration value, initialize the rotation angle sensor, and calibrate the torque sensor zero point.
For complete initialization procedures, refer to TIS, applicable model year Repair Manual:
[2010 / 2011 RX 350: Steering – Power Assist Systems – “Power Assist Systems: Power Steering System: Calibration”](#)
8. Verify SRS Warning Light Operation and that NO SRS system DTC(s) are present.
For complete SRS inspection procedures, refer to TIS, applicable model year Repair Manual:
[2010 \(to 08/2009\) / 2010 \(from 08/2009\) / 2011 RX 350: Vehicle Interior – Supplemental Restraint Systems – “Supplemental Restraint Systems: Airbag System: Diagnosis System”](#)
9. After the repair is complete, road test the vehicle to confirm the EPS column rattle noise condition is NO longer present.