



Technical Service Information Bulletin

September 26, 2006

Title:

FRONT BRAKE SQUEAK

Models:

'07 ES 350

REVISED
BR003-06
BRAKES

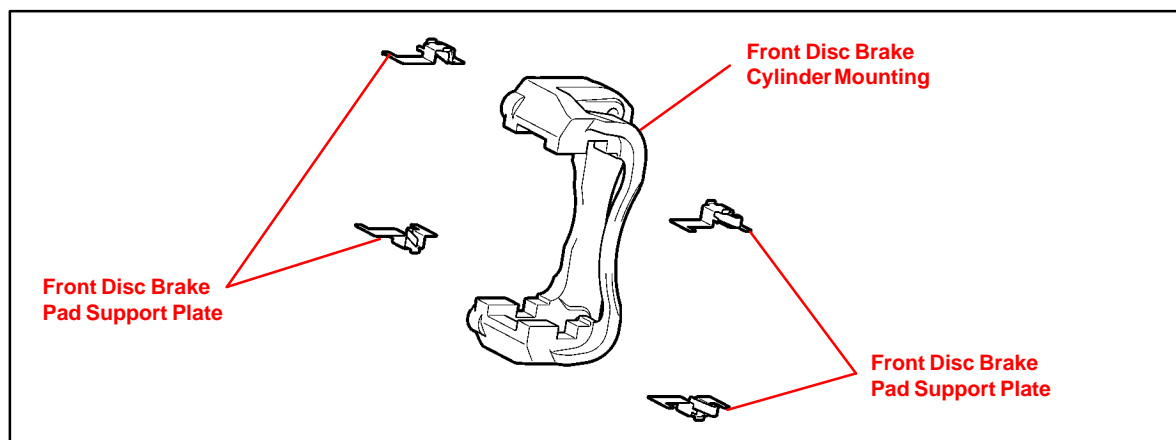
TSIB REVISION NOTICE:

- **November 10, 2006:** The illustration in step 2H has been clarified. Step 2I has been updated and a note has been added.

Previous versions of this TSIB should be discarded.

Introduction

Some customers may experience front brake squeak noise when the car is traveling in reverse and light pressure is applied on the brake pedal. The noise usually occurs when backing out of a parking space and/or turning in reverse. Updated front disc brake pad support plates ("fitting kit") are available to improve this condition.



Applicable Vehicles

- **2007** model year **ES 350** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

Production Change Information

| MODEL | PRODUCTION CHANGE EFFECTIVE VIN |
|--------|---------------------------------|
| ES 350 | JTHBJ46G#72024900 |

Warranty Information

| OP CODE | DESCRIPTION | TIME | OFP | T1 | T2 |
|---------|--|------|----------------------------|----|----|
| 473301 | Front Disc Brake Pad and/or Disc Brake Pad Shim (Both Sides) | 0.7 | 47716-33340 47717-33340 | 91 | 13 |

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 correction of a problem based upon a customer's specific complaint.



Lexus Supports ASE Certification

**Parts
Information**

| PREVIOUS PART NUMBER | CURRENT PART NUMBER | PART NAME | QTY |
|----------------------|---------------------|--|-----|
| N/A | 04947–33240 | Fitting Kit, Disc Brake, Front (8 pieces) | 1 |
| N/A | 08887–80609 | Disc Brake Caliper Grease (50 g tube) | 1 |

**Repair
Procedure**

1. Conduct a road test to verify the noise condition — noise usually occurs when backing out of a parking space and/or turning in reverse.
2. Remove and replace the front disc brake pad support plate (4 per each caliper).

NOTE:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

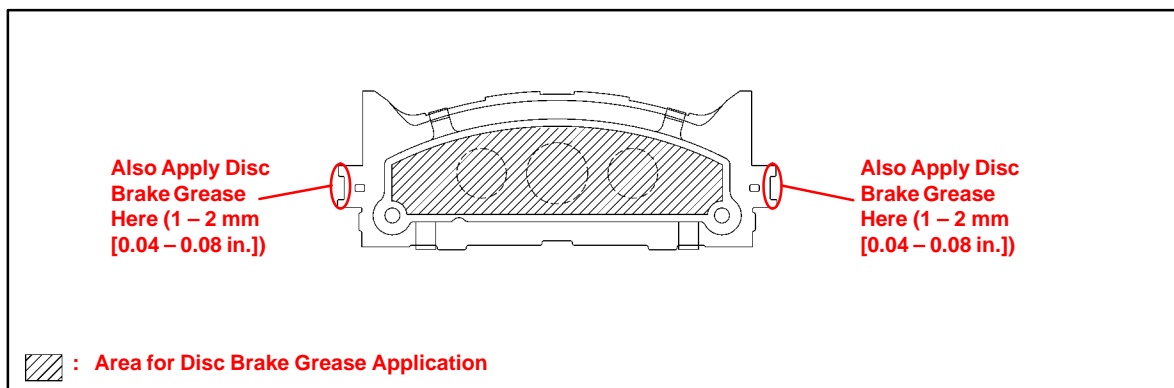
- A. Remove the front wheel.
- B. Remove the caliper by holding the front disc brake cylinder slide pin and removing the 2 bolts and disc brake cylinder assembly.
- C. Remove the 2 anti-squeal springs, if equipped.
- D. Remove the 2 front brake pads from the front disc brake cylinder mounting.
- E. Remove the 2 front anti-squeal shims and the 2 pad wear indicator plates from each pad.
- F. Remove the 4 front disc brake pad support plates.
Clean the area where the support plates sit.
- G. Install the 4 front disc brake pad support plates.
Apply disc brake grease to the back of the brake pad support plate.

**Repair
Procedure**
(Continued)

- H. Install the front anti-squeal shims.
- a. Apply disc brake grease to the anti-squeal shims.

NOTE:

- When replacing worn pads, the anti-squeal shims **MUST** be replaced together with the pads.
- Install the shims in the correct positions and directions.
- Apply a thin layer of disc brake grease to the area that contacts the anti-squeal shim.
- Disc brake grease can come out slightly from the area where the anti-squeal shim is installed.
- *Make sure that disc brake grease is **NOT** applied onto the lining surface.*



- b. Install the 2 anti-squeal shims and the 2 pad wear indicators to each pad.

NOTE:

Install the pad wear indicators in the correct positions and directions.

- I. Install the 2 front brake pads with anti-squeal shims to the disc brake cylinder mounting.
- Apply a small amount of the disc brake grease (1 – 2 mm [0.04 – 0.08 in.] thick) to the areas shown in the illustration.

NOTE:

Do NOT apply grease to the friction surfaces of the brake pads or the disc rotor.

- J. Install the 2 anti-squeal springs, if equipped.
- K. Install the disc brake cylinder assembly with the 2 bolts.
Torque: 34 N•m (350 kgf•cm, 25 ft•lbf)
- L. Install the front wheel.
Torque: 103 N•m (1,050 kgf•cm, 76 ft•lbf)
3. Road test the vehicle to confirm the front brake “squeak” noise is NO longer present.