

Brake Squeal or Squeak Noise

Service Category Brake

Section Brake (front)

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2020	GS F	

REVISION NOTICE

July 06, 2020 Rev2:

Applicability has been updated to include 2019 – 2020 model year GS F vehicles.

February 28, 2018 Rev1:

- **Applicability has been updated to include 2017 – 2018 model year GS F vehicles.**
- Any previous printed versions of this bulletin should be discarded.**

Introduction

2016 – 2020 model year GS F vehicles are equipped with high-friction brake pads, specifically designed for superior braking performance and response. As a result, the brakes may exhibit a squeal or squeak type noise. For customers who find these characteristics objectionable, brake pads with alternative material are now available as service parts.

NOTE

- Any changes made to the brake pad material may result in altered and possibly reduced braking performance and/or feeling under certain driving conditions, including track use.
- Please note the disclosures stated in the Brembo® Brake Disclosure reference section, which include the GS F sales information, both in online and print form. Discuss with the customer prior to installing the alternate brake pads listed in this Service Bulletin.
- It is an inherent characteristic of materials and design of brake pads used in this high-performance brake system that a brake squeal or squeak type noise may result.

Brake Squeal or Squeak Noise

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR1602	R & R Front and Rear Brake Pads	1.7	04465-0W190 04466-0W070	36	83

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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
04465-0W190	04465-0W200	Pad Kit, Disc Brake L/Fitting Parts, FR	1
04466-0W070	04466-0W080	Pad Kit, Disc Brake L/Fitting Parts, RR	1

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Spreader, Disc Brake Piston Wide Type	09719-77020	1
Spreader, Disc Brake Piston Wide Type	09719-77010	1

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

Brake Squeal or Squeak Noise

Repair Procedure

1. Replace the front AND rear brake pads.

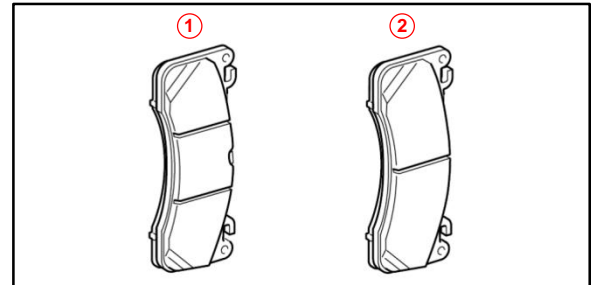
NOTICE

The front AND rear brake pads **MUST** be replaced together to ensure proper brake system operation.

NOTE

When installing the front brake pads, ensure the single slit pad is installed on the inboard side of the calipers.

Figure 1.



1	Double Slit
2	Single Slit

- A. Remove the front and rear brake pads.

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

- [2016 – 2020](#) GS F:
General – Maintenance – “Maintenance: Front Disc Brake Pad: Removal”
- [2016 – 2020](#) GS F:
General – Maintenance – “Maintenance: Rear Disc Brake Pad: Removal”

- B. Install the NEW front and rear brake pads.

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

- [2016 – 2020](#) GS F:
General – Maintenance – “Maintenance: Front Disc Brake Pad: Installation”
- [2016 – 2020](#) GS F:
Brake – Brake (Rear) – “Maintenance: Rear Disc Brake Pad: Installation”

2. Test-drive the vehicle to confirm proper brake pad installation.

Brake Squeal or Squeak Noise

Brembo® Brake Disclosure References

Online

High-friction brakes require periodic inspection and measurement as outlined in the Warranty and Services Guide. The pads and rotors are expected to experience greater wear than conventional brakes. Pad life may be less than 20,000 miles, and brake rotor life may be less than 50,000 miles.

NOTE

For further details, refer to <http://www.lexus.com/models/GSF/features>.

Figure 2.



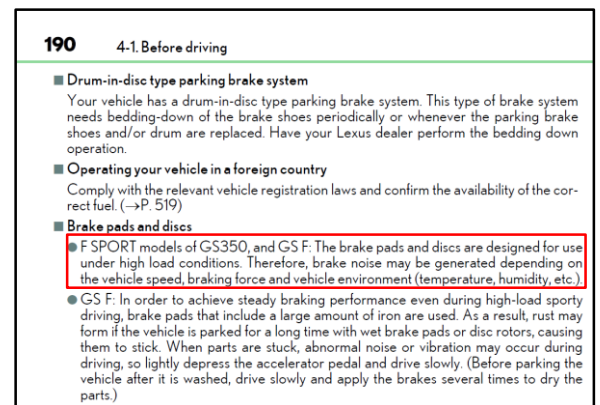
GS F Owner's Manual

The brake pads and discs are designed for use under high load conditions. Therefore, brake noise may be generated depending on the vehicle speed, braking force and vehicle environment (temperature, humidity, etc.).

NOTE

For further details, refer the [GS F Owner's Manual](#).

Figure 3.



Brake Squeal or Squeak Noise

Brembo® Brake Disclosure References (continued)

GS F Brochure

High-friction brakes may require additional maintenance, be louder and have a shorter life than conventional brakes, depending on driving conditions.

NOTE

For further details, the Disclosures section in the [GS F Brochure](#).

Figure 4.

WARRANTY Four-year/50,000-mile Lexus Limited Warranty. Six-year/70,000-mile Powertrain Warranty. Six-year/unlimited-mileage Corrosion Perforation Warranty. All warranties with zero deductible. See the *GS Warranty and Services Guide* at your Lexus dealer for details.

1. 18- or 19-in performance tires are expected to experience greater tire wear than conventional tires. Tire life may be substantially less than mileage expectancy or 15,000 miles, depending upon driving conditions. 2. Torsens is a registered trademark of JTEKT Corporation. 3. Ratings achieved using the required premium unleaded gasoline with an octane rating of 91 or higher. If premium fuel is not used, performance will decrease. 4. Brembo is a registered trademark of Brembo S.p.A. High-friction brakes may require additional maintenance, be louder and have a shorter life than conventional brakes, depending on driving conditions. See the *Warranty and Services Guide* for more information. 5. BBS is a registered trademark of BBS of America, Inc. 6. Ultrasonic Blue Mica 2.0 available for an additional charge. 7. 2020 GS F vs. 2019/2020 competitors. Information from manufacturers' websites as of 7/2/2019. 8. Performance figures are for comparison only and were obtained with prototype vehicles by professional drivers using special safety equipment and procedures. Do not attempt. 9. Use only if aware of circumstances surrounding vehicle and it is legal and safe to do so (e.g., do not remotely start engine if vehicle is in an enclosed space or vehicle is occupied by a child). Remote Connect depends on an operative telematics device, a cellular connection, GPS signal strength and other factors outside of Lexus' control, which can limit system functionality and availability. Service may vary by vehicle and region. Registration and app download required. Terms and conditions of subscription service agreement apply. Data charges may apply. Services subject to change at any time without notice. See usage precautions and service limitations in *Owner's Manual* and [lexus.com/enform](https://www.lexus.com/enform) for additional details. To learn about Lexus Enform's data collection, use, sharing and retention, please visit <https://www.lexus.com/privacyvts/>. The Remote Connect trial period is at no extra cost and begins on the original date of purchase or lease of a new vehicle. After the trial period expires, enrollment in a paid subscription is required to access the service. Terms and conditions apply. 10. Intelligent High Beams operate at speeds above 25 mph. Factors such as a dirty windshield, weather, lighting and terrain limit effectiveness, requiring the driver to manually operate the high beams. See *Owner's Manual* for additional limitations and details. 11. Be sure to obey traffic regulations and maintain awareness of road and traffic conditions at all times. Apps/services vary by phone/carrier; functionality depends on many factors. Select apps use large amounts of data; you are responsible for charges. Apps and services subject to change at any time without notice. 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Updates may be available from your dealer at an additional cost. See *Owner's Manual* for additional limitations and details. 16. Mark Levinson and Clarion-Fi are registered trademarks of Harman International Industries, Inc. 17. FaceTime is a registered trademark of Apple Inc. All rights reserved. Always drive safely and obey traffic laws. Apps, prices and services vary by phone carrier and are subject to change at any time without notice. Subject to smartphone connectivity and capability. Data charges