

Brake Squeal

Service Category Brake

Section Brake (front)

Market USA

Lexus Supports
ASE Certification 

Applicability

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

Introduction

2016 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.

SERVICE MANAGER NOTE

Please note disclosures stated in the GS F sales information, both in print form and online, and 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 brake noise/squeal may result.

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.

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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.

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Repair Procedure

1. Remove and replace the front and rear brake pads with the alternative parts.
Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

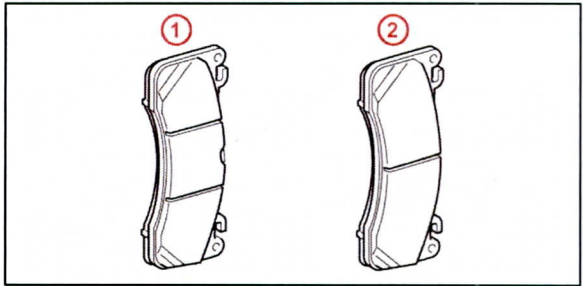
- 2016 GS F:
General – Maintenance – “Maintenance: Front Disc Brake Pad: [Installation / Removal](#)”
- 2016 GS F:
General – Maintenance – “Maintenance: Rear Disc Brake Pad: [Installation / Removal](#)”

NOTICE

When performing this procedure, 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.



1	Double Slit
2	Single Slit

2. Road test the vehicle to confirm proper brake pad installation.

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Brembo® Brake Disclosure Reference:

Online

<http://www.lexus.com/models/GSF/features>



***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.**

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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 F Warranty and Services Guide at your Lexus dealer for details.

DISCLOSURES 1. Ultrasonic Blue Mica 2.0 available for an additional \$595. 2. 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. 3. 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 depending on driving conditions. It is an inherent characteristic of materials and design of brake pads used in this high-performance brake system that brake noise/squeal may result. 4. 19-in performance tires are expected to experience greater tire wear than conventional tires. Tire life may be substantially less than 15,000 miles, depending upon driving conditions. 5. Intelligent high-beams system operates at speeds above 21 mph. Situations such as a dirty windshield, variable weather, lighting conditions and hilly terrain will limit effectiveness, requiring the driver to manually turn off. See Owner's Manual for details. 6. Be sure to obey traffic regulations and maintain awareness of road and traffic conditions at all times. Availability & accuracy of the information provided by the Navigation System is dependent upon many factors. Use common sense when relying on information provided. Services and programming subject to change. Services not available in every city or roadway. Updates may be available at an additional cost from your dealer. See Navigation System Owner's Manual for details. 7. The Pre-Collision System is designed to help reduce the crash speed and damage in certain frontal collisions only. It is not a collision-avoidance system and is not a substitute for safe and attentive driving. System effectiveness depends on many factors, such as speed, driver input and road conditions. See Owner's Manual for further information. 8. The Pedestrian Detection System, part of the Lexus Safety System+, is designed to detect the presence of a pedestrian ahead of the vehicle, to determine if impact with the pedestrian is imminent and to help reduce impact speed. It is not a collision-avoidance system and is not a substitute for safe and attentive driving. System effectiveness depends on many factors, such as speed, size and position of pedestrians, driver input and weather, light and road conditions. See Owner's Manual for further information. 9. Dynamic Radar Cruise Control is designed to assist the driver and is not a substitute for safe and attentive driving practices. See Owner's Manual for details. 10. Lane Departure Alert with Steering Assist is designed to read lane markers under certain conditions and provide visual and audible alerts and slight steering force when lane departure is detected. It is not a collision-avoidance system or a substitute for safe and attentive driving. Effectiveness depends on many factors. See Owner's Manual for more information. 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 & services subject to change. See lexus.com/enform for details. 12. Contact with the response center may not be available in all areas. Service Agreements required. A variety of subscription terms available; charges will vary. See lexus.com for details. 13. Information provided is based on the last time data was collected from the vehicle and may not be up to date. System functionality depends on vehicle connectivity. 14. Use only if aware of circumstances surrounding the vehicle, and it is legal & safe to do so (e.g., car uncovered in open area, no people or pets in or nearby). If vehicle has not been driven for over a week, services will not be available until next time vehicle is started. Functionality depends on many factors, such as vehicle and smartphone connectivity. See usage precautions, service limitations & Owner's Manual. Data charges may apply. Registration, app download are required. Must have active Safety Connect subscription. Annual fee required after 1-year trial. 15. iPhone® and iPad® are registered trademarks of Apple Inc. All rights reserved. 16. FaceTime® is a registered trademark of Apple Inc. All rights reserved. 17. Mark Levinson® is a registered trademark of Harman International Industries, Inc. 18. Performance figures are for comparison only and were obtained with prototype vehicles by professional drivers using special safety equipment and procedures. Do not attempt. 19. 2016 EPA-estimated ratings. Actual mileage will vary. 20. The SmartAccess system may interfere with some pacemakers or cardiac defibrillators. If you have one of these medical devices, please talk to your doctor to see if you should deactivate this system. 21. The engine immobilizer is a state-of-the-art anti-theft system. When you insert your key into the ignition switch or bring a SmartAccess fob into the vehicle, the key transmits an electronic code to the vehicle. The engine will only start if the code in the transponder chip inside the key/fob matches the code in the vehicle's immobilizer. Because the transponder chip is embedded in the key/fob, it can be costly to replace. If you lose a key or fob, your Lexus dealer can help. Alternatively, you can find a qualified independent locksmith to perform high-security key services by consulting your local Yellow Pages or by contacting www.aloa.org. 22. Be sure to obey traffic regulations and maintain awareness of road and traffic conditions. 23. Concentrating on the road should always be your first priority while driving. Do not use the hands-free phone system if it will distract you. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Lexus is under license. A compatible Bluetooth-enabled phone must first be paired. Phone performance depends on software, coverage & carrier. 24. The backup camera does not provide a comprehensive view of the rear area of the vehicle. You should also look around outside your vehicle and use your mirrors to confirm rearward clearance. Cold weather may limit effectiveness and view may become cloudy. 25. Always drive safely, obey traffic laws and focus on the road while driving. Siri® is available only on iPhone® 4s or later, iPad® with Retina® display, iPad® mini, & iPod® touch (5th generation) and requires Internet access. Siri® is not available in all languages or all areas, and features vary by area. Some Siri® functionality and commands are not accessible in the vehicle. Data charges may apply. See apple.com & phone carrier for details. 26. HD Radio™ Technology manufactured under license from iBiquity Digital Corporation U.S. and Foreign Patents. HD Radio™ and the HD, HD Radio, and "Arc" logos are proprietary trademarks of iBiquity Digital Corp. 27. Do not rely exclusively on the Blind Spot Monitor. Always look over your shoulder and use your turn signal. There are limitations to the function, detection, range and clarity of the monitor. For a complete list of limitations and directions regarding use of the monitor, see Owner's Manual. 28. Do not rely exclusively on the Rear Cross-Traffic Alert system. Always look over your shoulder and use your mirrors to confirm rear clearance. There are limitations to the function, detection, range and clarity of the system. To learn more, see Owner's Manual. 29. All the airbag (AB) systems are Supplemental Restraint Systems. All ABs (if installed) are designed to inflate only under certain conditions and in certain types of severe collisions: frontal and knee ABs typically inflate in frontal collisions; side and side curtain ABs in side collisions; Roll-Sensing Curtain ABs at a severe tilt degree, roll or lateral G-force. In all other accidents, the ABs will not inflate. To decrease the risk of injury from an inflating AB, always wear seatbelts, sit upright in the middle of the seat as far back as possible and do not lean against the door. Do not put objects in front of an AB or around the seatback. Do not use a rearward-facing child seat in any front passenger seat. The force of an inflating AB may cause serious injury or death. See Owner's Manual for further information/warnings. Lexus strives to build vehicles to match customer interest, and thus they typically are built with popular options and option packages. Not all options/packages are available separately, and some may not be available in all regions of the country. See lexus.com for information about options/packages commonly available in your area. If you would prefer a vehicle without any or with different options, contact your dealer to check for current availability or the possibility of placing a special order. Specifications, features, equipment, technical data, performance figures, options, and color and trim are based upon information available at time of printing, are subject to change without notice, and are for mainland U.S.A. vehicles only. Some vehicles shown with available equipment. See your Lexus dealer for details. Lexus reminds you to wear seatbelts, secure children in rear seat, obey all traffic laws and drive responsibly. For more information, call 800-USA-LEXUS (872-5398) or visit lexus.com. To learn more about your financing options, contact your Lexus dealer or call Lexus Financial Services at 800-874-7050.

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184 4-1. Before driving

■ Drum-in-disc type parking brake system

Your vehicle has a drum-in-disc type parking brake system. This type of brake system needs bedding-down of the brake shoes periodically or whenever the parking brake shoes and/or drum are replaced. Have your Lexus dealer perform the bedding down operation.

■ Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 541)

■ Brake pads and discs (F SPORT models of GS350/GS200t, and GS F)

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.).

■ Idling time before engine stop (GS200t)

To prevent damage to the turbocharger, allow the engine to idle immediately after high-speed driving or hill climbing.

Driving condition	Idling time
Normal city driving	Not necessary
High-speed driving (Constant speed of approx. 62 mph [100 km/h])	Approximately 1 minute
Steep hill driving or continuous driving at 62 mph (100 km/h) or more (race track driving etc.)	Approximately 2 minute