

What's New: 2020 Lexus GS F

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PLANO, Texas (November 19, 2019) – For 2020, the Lexus GS F high-performance sport sedan. Now with 19-inch matte black wheels and updates of key design aspects from gray to black, the 2020 GS F exudes power and performance. Blue Brembo[®] brake calipers are another indication this is a GS F you won't see every day. Guests can also choose to add white seats with black inserts, further enhancing the dynamic design and style of the sporty sedan.

All 2020 GS F sedans benefit from a handling pedigree honed on the world's most demanding race circuits and elegant-yet-aggressive styling that includes a bold front fascia with functional air inlets, triple-beam headlamps, carbon-fiber rear spoiler, quad exhaust tips and a rear diffuser. The Lexus Safety System+ is also a standard feature on every model, so every GS F owner benefits from a Pre-Collision System (PCS) with Pedestrian Detection, Lane Departure Alert (LDA) with Lane Keep Assist, Intelligent High Beam (IHB) and High-Speed Dynamic Radar Cruise Control.

Pure Power from Start to Finish

Few engines can match a normally aspirated V8 when it comes to delivering seamless power from idle to redline. The 5.0-liter V8 in the GS F is engineered for low weight and high strength with forged connecting rods and titanium valves that allow a 7,300-rpm redline. Rated at 467 horsepower and 389lb.-ft. of torque, it delivers a broad band of power that's always on tap.

The high-pressure D-4S direct injection system, which also uses port fuel injectors, allows a 12.3:1 compression ratio for optimized performance and efficiency. Variable Valve Timing (VVT-iE) enables the engine to operate in the Atkinson cycle at cruising speeds or it can switch to the Otto cycle for higher performance levels when accelerating.

No matter what kind of driving you're doing, the GS F always sounds like a serious performance sedan thanks to the special exhaust system that emits a rumbling baritone note from its signature stacked exhaust pipes. There's also an Active Sound Control (ASC) system that electronically "boosts" the sound in the cabin via the audio speakers – an optional experience that the driver can turn on or off.



Eight Gears for Eight Cylinders

The eight-speed Sport Direct Shift (SPDS) automatic transmission is the high-performance V8's ideal dance partner, offering smooth shifts, excellent drivability and linear acceleration. Lexus G force Artificial Intelligence Shift control (G AI-SHIFT) is one reason why the transmission feels perfectly in tune with the driver. When driving in the SPORT S mode, the system uses the vehicle's G-force sensor to monitor how aggressively the vehicle is being driven and adjusts the transmission shift points accordingly. The G AI-SHIFT control further supports sporty driving by blipping the throttle on downshifts and holding gears through corners to maintain optimum control.

The Right Mode for Every Driving Situation

Every GS F has a Drive Mode Select feature that gives the driver the ability to adjust multiple vehicle

parameters. NORMAL mode provides the smoothest, most balanced ride quality and drivetrain performance. SPORT S adjusts the transmission shift points to deliver a more responsive feel and improved acceleration. The most aggressive SPORT S+ mode goes one step further by adjusting the damper settings, steering assist, steering gear ratio and Vehicle Dynamics Integrated Management (VDIM) system for maximum performance. A CUSTOM mode is also available to tailor each parameter individually.

Torque Vectoring Differential (TVD)

The standard Torque Vectoring Differential (TVD) is one serious piece of hardware. It enhances dynamic performance by precisely controlling torque to each rear wheel through the engagement of a multi-plate clutch. It operates as quickly as 1/1000th of a second based on data including throttle input, braking, yaw rate, longitudinal and lateral G-force.

Using a switch on the center console, the driver can select one of three distinct settings for the TVD to best suit driving style or conditions: STANDARD delivers a high level of control and agility for everyday driving. SLALOM places additional emphasis on steering response, giving the vehicle a more agile character akin to one with a smaller wheelbase while TRACK enhances handling at higher speeds.

VDIM SPORT Mode

Lexus Vehicle Integrated Dynamics Management (VDIM) integrates the ABS, Vehicle Stability Control (VSC) and traction control (TRAC) functions to provide proactive, seamless control of basic vehicle performance. The GS F's VDIM system has SPORT and EXPERT modes. SPORT mode gives priority to driver control for greater enjoyment on the track by applying optimum VSC/TRAC mapping. EXPERT mode puts even more control in the driver's hands, turning off TRAC, but still using VSC to help control the engine and brakes to assist the driver.

A vertical G sensor in the ABS control helps ensure optimized brake force. In addition, Lexus has extended VDIM co-operative control function, allowing the VDIM to delegate two brake control functions to the Torque Vectoring Differential (TVD). VDIM controls the torque transfer co-operatively with the TVD, for more seamless control during aggressive maneuvers.



Track-Tuned, Road Optimized

The GS F devours curves thanks to its rigid structure, front and rear body braces, responsive yet compliant suspension system, and powerful Brembo[®] braking system. Featuring a Linear Adaptive Variable Suspension system (AVS), the GS F is able to adjust its dampers over a wide range of settings. The double wishbone front suspension uses forged aluminum upper and lower control arms, a stabilizer bar and specially tuned coil springs and bushings. The rear multi-link suspension features forged aluminum control arms with increased torsional rigidity, along with optimized suspension arm bushings.

The Brembo brakes feature lightweight, 6-piston aluminum monoblock front calipers with 14.9-in. ventilated rotors and 4-piston aluminum monoblock rear calipers with 13.5-in. ventilated rotors. The lightweight 19 x 9-inch front and 19 x 10-inch rear matte black wheels come standard with 255/35ZR19 tires up front and 275/35ZR19 Michelin Pilot Super Sport tires in back.

The GS F's electric power-assisted rack and pinion steering delivers excellent dynamic performance and steering feel. A damper-less intermediate shaft on the steering column helps to increase steering rigidity upstream and ensure high responsiveness to steering inputs.

Looks That Thrill

Bold and emotional exterior styling is part of every GS F, yet there are high functional elements to its design as well. The trademark spindle grille features a special "F" series design in the center flanked by a pair of air inlets beneath the headlights that feed cool air to the massive brakes. The grille also features a lower molding, made from Carbon Fiber Reinforced Plastic (CFRP), that provides downforce to the front of the car at high speeds. Wide front fender flares with large air outlets allow excess airflow to escape down the sides of the vehicle, while broad fenders and sculpted rocker panels provide visual muscle.

On the underside of the GS F, specially designed undertrays optimize air flow to the rear differential to keep it cool. Aerodynamic stabilizing fins on various sections of these panels help further suppress airflow turbulence and reduce drag. The rear of the vehicle is highlighted by the "F" brand's trademark quad exhaust tips, a carbon

spoiler and a rear diffuser beneath the bumper.



Designed for the Driving Enthusiasts, by Driving Enthusiasts

When it came time to design the inside of the GS F, the influence of driving enthusiasts was clearly part of the process. This proof can be found in the sport-focused dash design characterized by the unique display/gauge panel. The panel's focal point is a large-diameter analog Thin Film Transistor (TFT) tachometer. Notably, the look and information displayed within the center meter changes depending on which Drive Mode is selected. An optional color Head-Up Display (HUD) allows the driver to see pertinent vehicle information such as speed, tachometer and gearshift position without looking away from the road ahead.

The "F"-badged, multifunction, three-spoke steering wheel and its short-stroke paddle shifters are exclusive to the GS F along with the shift knob and pedals. The high-back front sport seats feature pronounced bolstering for the thighs, hips and lumbar sections, as well as an ergonomically enhanced shoulder support. Perforated leather covers the seating surfaces of the 10-way power adjustable buckets that are also heated and ventilated.

Carbon fiber trim adorns several surfaces of the cabin while the door trim, the center air vent and the base of the Remote Touch Interface (RTI) feature a lustrous Metallic Dark Silver paint. Suede trim covers the top of the instrument panel, door trim, center console and palm rest. In a further nod to the exquisite attention to detail, decorative rivets featuring the Lexus logo secure the suede trim to the instrument panel.

Optimum cabin comfort is maintained by the Climate Concierge system which automatically controls heating, cooling, seat heaters and the airflow volume of the seat ventilation. When the climate control system detects only two front occupants, the S-FLOW feature operates the system only for the front of the cabin.

Premium Audio and Navigation

The 12.3-inch high-resolution multimedia display provides immediate, simultaneous access to audio or climate controls and various systems, including the voice-activated navigation system. The system greets the driver with a customizable image when the ignition button is pressed. The voice-activated navigation system is designed to

map millions of points of interest across the country in addition to offering up-to-date traffic and weather information, 3-D city views, and simulated views of approaching highway junctions. The system also displays the current speed limit and can automatically identify nearby gas stations when the fuel light comes on.

The standard 12-speaker audio system uses a high-efficiency 299-watt amplifier. For more serious punch, the available 17-speaker Mark Levinson premium audio system produces exceptional sound using a class D Digital amplifier with 835-watts. Clari-Fi technology analyzes compression in digital tracks and determines how much amplification is needed and where to correct it for optimum sounds quality.



Lexus Enform for Safety and Convenience

Lexus Enform Safety Connect is complimentary for the first 10 years of ownership with access to Lexus Enform response centers 24/7/365. With Lexus Enform Service Connect, also complimentary for the first 10 years of ownership, the GS F can send alerts for specific factory recommended maintenance, simultaneously alerting a preferred Lexus retailer. The Lexus mobile app or LexusDrivers.com website can be used to set push-reminders and alerts for maintenance and service issues.

With Lexus Enform Remote (one-year trial subscription included), the customer can remotely view and control certain aspects of the GS F using a smartphone, smartwatch or Amazon Alexa-enabled devices at home. The available functions include: remote door lock/unlock, remote start/stop for the engine and climate control, vehicle finder, guest driver monitor and more. Navigation is accompanied by the Lexus Enform Destination Services (complimentary for one year) and subscription-free Lexus Enform App Suite 2.0.