



2008 IS F Preliminary Product Information

EXTERIOR DIMENSIONS	
Wheelbase	107.5 in.
Overall Length	183.5 in.
Overall Width	71.5 in.
Overall Height (unloaded)	55.7 in.
Tread Width - Front	61.4 in.
- Rear	59.6 in.

INTERIOR DIMENSIONS	
Seating Capacity	4
Headroom - Front	37.2 in. (39.0 in. without moonroof)
- Rear	36.7 in. (36.9 in. without moonroof)
Legroom - Front	43.9 in.
- Rear	30.6 in.
Shoulder Room - Front	54.4 in.
- Rear	52.7 in.
Hip Room - Front	54.1 in.
- Rear	53.7 in.
EPA Passenger Volume	85.7cu. ft. (88.3 without moonroof)
EPA Cargo Volume	13.3 cu. ft.

WEIGHTS AND CAPACITIES	
Curb Weight	3,780 lbs.
Weight Distribution	54% front/46% rear
Fuel Capacity	16.9 gal.



2008 IS F Preliminary Product Information

ENGINE	
Type, Materials	V8, 90-degree with aluminum block and cylinder heads
Designation	2UR-GSE
Valvetrain	DOHC, 32- valve, Intake camshaft Electric Variable Valve Timing with intelligence (VVT-iE, Exhaust camshaft Hydraulic Variable Valve Timing with intelligence (VVT-i)
Displacement	5.0 liters (4,969 cm ³ /303.2 cu. in.)
Bore x Stroke	3.70 in. x 3.52 in.
Compression Ratio	11.8:1
Horsepower (SAE)	416 @ 6,600 rpm
Torque	371 lb.-ft. @ 5,200 rpm
Maximum Engine Speed (redline)	6,800 rpm
Fuel System	SFI D-4 Direct-to-cylinder injection with secondary port injectors
Fuel Requirement	Premium 91 octane unleaded
Emission Certification	ULEV II

DRIVETRAIN	
Layout	Front engine, rear-wheel drive
Transmission Type	8-Speed Sport Direct Shift automatic with paddle shift and Manual mode
Designation	AA80E
Gear Ratios	1 st 4.596 2 nd 2.724 3 rd 1.863 4 th 1.464 5 th 1.231 6 th 1.000 7 th 0.824 8 th 0.685 Rev. 2.176
Differential Gear Ratio	2.937



2008 IS F Preliminary Product Information

CHASSIS AND BODY	
Body/Frame	Unitized steel body with steel front & rear subframes
Suspension - Front	Double wishbone with high-mount upper arms, high-rate coil springs w/ bound stopper, monotube gas-filled shock absorbers, large-diameter hollow stabilizer bar
- Rear	Multilink with low-mount upper arms, high-rate coil springs w/bound stopper, monotube gas-filled shock absorbers, large-diameter stabilizer bar
Steering - Type	Electric Power Steering (EPS): Vehicle speed-sensing coaxial rack & pinion, power assist, F sport mode adjustable
- Overall Ratio	13.6
- Turns (lock to lock)	2.91
- Turning Circle (curb to curb)	33.5 ft.
Brakes - Type	Four-wheel power-assisted disc brakes (Brembo manufactured for Lexus) with Anti-lock Braking System (ABS) and Electronic Brake force Distribution (EBD) and Brake Assist
- Front	14.2-in. drilled rotors with six-piston opposed aluminum calipers, high-friction brake pads
- Rear	13.6-in. drilled rotors with two-piston opposed aluminum calipers, high-friction brake pads
Anti-lock Braking System	4 channel, 4 sensor
Wheel Size/Type	19 x 8 in. front / 19 x 9 in. rear; 10-spoke forged aluminum (BBS manufactured for Lexus)
Tire Size/Type	225/40R19 93Y front – 255/35R19 96Y rear; developed for IS F
Spare Tire and Wheel	T135/70R18 103M
Tire Brands	Bridgestone Potenza, Michelin Pilot Sport PS2 (both built to IS F spec)

PERFORMANCE	
0-60 mph Acceleration (manuf. results)	4.6 sec.
Top Track Speed (mfg. estimates – electronically limited)	170 mph
0-1/4 Mile Acceleration (manuf. results)	13.0 sec.
2008 EPA-estimated* mileage (City/Hwy/Combined)	16/23/18
Coefficient of Drag (C _d)	0.30

* For model year 2008, the EPA has revised the way the estimated fuel economy rating is determined. Actual mileage will vary.



STANDARD EXTERIOR FEATURES

Overall Exterior Styling/Body Design

- "F" badging on front fenders and right-rear trunk area
- Distinctive F marque styling cues with two-inch wider fenders, taller hood, enlarged brake cooling vents, front fender vents, larger rocker panels and an enlarged rear spoiler
- Dual-polished stainless-steel exhaust diffusers integrated into the bumper in a trapezoidal position
- Standard 19-inch 10-spoke forged aluminum wheels manufactured for Lexus by BBS
- Larger V-shaped grille with trapezoidal-shaped bumper, distinctive mesh grille and lower intake
- Bi-xenon HID, auto-leveling headlamps
- Adaptive Front lighting System (AFS)
- LED brake, tail and license plate lamps
- Fog lamps
- Puddle lamps (mounted on underside of outer mirrors)
- Color-keyed electrochromic outside rearview mirrors with memory
- Top shade/tinted glass on front windshield
- Ultraviolet and infrared ray reducing glass on all windows
- Shark fin antenna for XM satellite radio (antenna is standard with/without XM satellite radio)

Body Structure and Paint

- Exterior colors (6): Starfire Pearl, Obsidian, Smoky Granite Mica, Matador Red Mica, Mercury Metallic, Ultrasonic Blue Mica (unique to IS F)
- High-tensile strength sheet metal used on 40 percent of the body for light-weight rigidity
- Braces attached forward of rear sub-frame provide torsional and transverse rigidity
- Rust resistant steel used on main body parts
- Resin rocker moldings assist durability and chip resistance on lower body panels
- Use of rigid, low density foam sound dampening asphalt sheets reduce NVH
- Foam material in side members/pillars, and hidden windshield frame used to reduce wind noise
- Narrow and precise body panel gaps
- Flush surface body panel and glass
- One-piece color-keyed Super Olefin Polymer front and rear bumpers
- Acoustic glass windshield to reduce noise
- Stainless steel exhaust system
- Bolt-fastened front/rear crash box structures help reduce damage and cost in light collision

Convenience Features

- Heated outside rearview mirrors
- Heavy duty rear window defogger with timer
- Variable intermittent wipers with mist cycle
- Fuel cap hanger
- Rain-sensing wipers



STANDARD INTERIOR FEATURES

Interior Trim

- Leather trimmed interior with “F” logo embroidered in sides of seat cushions
- Blue accents exclusive to “F” marque
- Hand-finished aluminized composite trim
- Fabric sun visors and headliner
- One-piece cut pile carpeting
- Two front and two rear articulating assist grips

Seats

- Leather-trimmed Sport Seats with enhanced lateral support, four-seat sport configuration; “F” badging on console and side of each seat
- 10-way power front sport seats, including power lumbar support, and three-position memory for driver and front passenger
- Heated front seats
- Height adjustable front shoulder belt anchors
- Rear seat trunk pass through

Instrumentation and Controls

- Optitron speedometer and tachometer gauges, fuel and coolant temperature gauges, and unique digital oil temperature and voltage gauges
- LCD shift indicator display in center of meter cluster with engine oil temperature gauge and volt meter
- SPORT indicator light when in sport mode
- LED illuminated air vent dials
- “F” unique blue LED illuminated needles on speedometer and tachometer
- Audible alert when reaching rpm limit
- “F” logo displays on multi-information display and speedometer and tachometer needles sweep across their dials when system is powered
- Multi-information display with a choice of outside air temperature, cruise range if engaged, average fuel consumption, average fuel consumption after re-fueling, instantaneous fuel consumption, average vehicle speed or gear selection (in D mode)
- Battery, oil level, seat belt, brake, airbag SRS, engine, low fuel, EPS, AT oil temp, ABS, tire pressure and tire slippage warning lights
- Door open, TRAC off, high beam, hazard, AFS off, Snow and cruise control indicator lights
- LCD-type electronic digital twin trip meters and odometer display
- Headlights-on indicator in instrument panel
- Fog lamp indicator
- Automatic climate control display: speed and air flow indicators
- Power outside mirror control



STANDARD INTERIOR FEATURES – CONT.

Convenience Features

- SmartAccess keyless entry with push-button start
- Rear seat center console in four-seat configuration
- Power tilt and telescoping adjustable steering wheel with memory
- Front center armrest
- Dust/pollen interior air filter
- Power windows with one-touch up/down and jam protection
- Power door locks with anti lock-out
- Speed-sensitive, shift-linked automatic door lock/unlock
- Retained accessory power for operation of power windows and moonroof
- Inside auto-dimming electrochromic rearview mirror with compass
- Cruise control
- HomeLink® programmable garage door opener
- Electronic remote, illuminated trunk lid and fuel-filler door releases
- Door courtesy lights, glove box light and trunk light
- Front and rear dome light and individual LED map lights integrated into headliner
- One front cup holder located behind the shift lever and one cup holder in the center console
- Console mounted dual rear cup holders
- Covered center console storage box
- Cigarette lighter, front ashtray
- Articulating assist grips (two front/two rear)
- Retractable coat hooks
- First aid and Tool kits
- Lexus Personalized Settings (LPS) to allow certain electronic settings to be tailored to owner preference (programmable by Lexus dealers)
- Aluminum scuff plates
- Sound-absorbing sun visors with vanity mirrors
- Coin holder

STANDARD AUDIO SYSTEM

Lexus Premium Audio system

- AM/FM ETR and 6-disc in-dash CD changer
- 13 speakers with high-power amplifier
- MP3/iPod®/WMA auxiliary audio input plug
- Digital signal processing with Automatic Sound Levelizer (ASL)
- Electronic crossover network
- Rear glass-imprinted radio antenna with separate FM diversity antenna
- Theft-deterrent design



STANDARD SAFETY AND SECURITY

Safety

- Vehicle Dynamics Integrated Management (VDIM) with cut-off switch and both Normal and Sport modes [integrates VSC, TRAC, ABS, EBD, BA, and throttle input]
- Vehicle Stability Control (VSC)
- Traction Control (TRAC)
- Front ventilated and rear ventilated disc brakes with single brake booster and four-sensor, four-channel Anti-lock Braking System (ABS) with Electronic Brake-force Distribution (EBD) and Brake Assist (BA)
- Dual-stage driver's and front passenger's airbag Supplemental Restraint System (SRS)
- Driver and front passenger knee airbags Supplemental Restraint System (SRS)
- Front seat-mounted side airbag Supplemental Restraint System (SRS)
- Front and rear side curtain airbags Supplemental Restraint System (SRS)
- Three-point belts for all seating positions, front and rear with force-limiting pretensioners; height adjustable front shoulder belt anchors
- Automatic Locking Retractor (ALR) and Emergency Locking Retractor (ELR) function for all positions except driver (driver's only equipped with ELR)
- Impact absorbing door and body construction
- Pedestrian impact absorbing structures integrated in engine hood, fenders and cowl
- Daytime Running Lights (DRL)
- Direct Tire Pressure Monitoring System
- Front and rear door side impact beams
- Front and rear energy-managing crumple zones
- Collapsible steering column
- Impact-dissipating soft upper headliner and pillars
- Child Restraint Seat (CRS) top tether anchor brackets (adopted to comply with phase-in of the new CRS Anchorage Points Regulation)

Security

- Vehicle theft-deterrent system with engine immobilizer
- Remote-activated, SmartAccess-linked illuminated entry (dome-light ring illuminates when doors are unlocked, remains illuminated for 15 seconds or until door is opened)
- Headlight-off delay feature (after closing/opening the door, headlights remain illuminated for approximately 30 seconds before automatically shutting off)
- Multifunction in-key remote
- Entry system with lock, two-stage unlock, trunk open and "panic" features, volume-adjustable confirmation tone and rolling code technology



FACTORY OPTIONS

- Mark Levinson® Premium Surround-sound System (AM/FM tuner, in-dash 6-DVD/CD changer, 14 speakers, advanced discrete amplifier design with 300 watts continuous power at less than 0.1% THD from 20 to 20,000 Hz, 7.1-channel speaker architecture)
- Lexus DVD Navigation System
 - 7-inch LCD VGA touch screen
 - Voice activation
 - Rear back-up camera
 - Bluetooth®
- Intuitive Park Assist (IPA)
- Pre-Collision System (PCS) with Dynamic Radar Cruise Control
- Headlamp Cleaner
- Moonroof delete option