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WARRANTY &
PROTECTIONSERVICE &
MAINTENANCE

DETAILED SPECIFICATIONS

2008 IS F Preliminary Product Information

Engine & Performance	
Engine Type	V8, 90-degree with aluminum block and cylinder heads
Horsepower (SAE)	416 @ 6,600 rpm [1]
Torque	371 lb.-ft. @ 5,200 rpm[1]
Displacement	5.0 liters (4,969 cm ³ /303.2 cu. in.)
Valvetrain	DOHC, 32- valve, Intake camshaft with Electric Variable Valve Timing with intelligence (VVT-iE), Exhaust camshaft with Hydraulic Variable Valve Timing with intelligence (VVT-i)
Designation	2UR-GSE
Bore x Stroke	3.70 in. x 3.52 in.
Compression Ratio	11.8:1
Emission Certification	ULEV II
Maximum Engine Speed (redline)	6,800 rpm
Performance 0-60 mph Acceleration (mfg. estimates)	4.6 sec. [1] [5]
Top Track Speed (mfg. estimates – electronically limited)	170 mph [1] [5]
¼-Mile Acceleration (sec)	13.0 [1] [5]
Coefficient of Drag (Cd)	0.30

Fuel Economy	
City (mpg) - EPA estimated	16 [6]
Highway (mpg) - EPA estimated	23 [6]
Fuel Capacity	16.9 gal.
Fuel System	SFI D-4 direct and port fuel injection system
Fuel Requirement	Premium 91 octane unleaded

Transmission & Drivetrain	
Drive Type	Front engine, rear-wheel drive

Body & Chassis		
Body Type	Four-passenger luxury sport sedan	
Doors	Four	
Construction	Welded-steel unibody	
	High-tensile strength sheet metal used on 40 percent of the body for light-weight rigidity	
	Braces installed between the rear sub-frame and front floor reinforcement provide torsional and transverse rigidity	
	Rust resistant steel used on main body parts	
	Resin rocker moldings add durability and chip resistance to lower body panels	
	Use of rigid, low density foam type asphalt sheets help reduce noise and vibration	
	Foam material in side members/pillars used to help 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		
Suspension	Front	Double wishbone with high-mount upper arms, high-rate coil springs with bound stopper, monotube gas-filled shock absorbers, large-diameter hollow stabilizer bar
	Rear	Multilink suspension, high-rate coil springs with 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) [3] with Anti-lock Braking System (ABS) and Electronic Brake force Distribution (EBD) and Brake Assist [12]
	Front	14.2-in. drilled rotors with six-piston opposed aluminum calipers, drilled and ventilated discs, 1.2 in. thickness, high-friction brake pads [3]
	Rear	13.6-in. drilled rotors with two-piston opposed aluminum calipers, drilled and ventilated discs, 1.1 in. thickness, high-friction brake pads [3]
Anti-lock Braking System	4 channel, 4 sensor	

Wheels & Tires	
Wheel Size/Type	19 x 8 in. front / 19 x 9 in. rear; directional 10-spoke forged aluminum (BBS manufactured for Lexus)
Tire Size/Type	225/40R19 front – 255/35R19 rear[4]
Spare Tire and Wheel	Temporary spare
Tire Brands	Bridgestone Potenza, Michelin Pilot Sport PS2 (both built to IS F spec)

Safety & Security	
Airbag	Dual-stage driver's and front passenger's airbag Supplemental Restraint System (SRS) [19]
	Front passenger's twin chamber airbag [19]
	Driver and front passenger knee airbags Supplemental Restraint System (SRS) [19]
	Front seat-mounted side airbag Supplemental Restraint System (SRS) [19]
	Front and rear side curtain airbags Supplemental Restraint System (SRS) [19]
Electronic Traction Control	Traction Control (TRAC)
Electronic Stability Control	Vehicle Dynamics Integrated Management (VDIM) [2] with cut-off switch and both Normal and Sport modes [integrates VSC, TRAC, ABS, EBD, BA, EPS, and throttle input] and Vehicle Stability Control (VSC) [18]
Anti-lock Braking(ABS)/ Braking Assist/ Electronic Brakeforce Distribution (EBD)	Front ventilated and rear ventilated disc brakes [3] with single brake booster and four-sensor, four-channel Anti-lock Braking System (ABS) with Electronic Brake-force Distribution (EBD) and Brake Assist (BA) [12]
Pre-Collision System	Optional Pre-Collision System with Radar [10]
Electronic Tire Pressure	Direct Tire Pressure Monitor System [20]
Frame	Impact absorbing door and body construction
Impact Resistance	Impact-dissipating upper headliner and pillars
	Impact absorbing structures integrated in engine hood, fenders and cowl
	Front and rear door side impact beams
Crumple Zones	Front and rear energy-managing crumple zones
Steering Column	Collapsible steering column
Seatbelts	Three-point belts for all seating positions, front and rear pretensioners with force limiters; height adjustable front shoulder belt anchors
Locking Seatbelt Control	Automatic Locking Retractor (ALR) and Emergency Locking Retractor (ELR) function for all positions except driver (driver's only equipped with ELR)
Child Restraint	Child Restraint Seat (CRS) top tether anchor brackets (adopted to comply with phase-in of the new CRS Anchorage Points Regulation)
Child Safety Locks	Manual for the rear passenger doors, Window lock button on driver door control, Child Restraint Seat (CRS) top tether anchor brackets (adopted to comply with phase-in of the new CRS Anchorage Points Regulation)
Electronic Park Assist	Optional Intuitive Parking Assist
Anti-Theft Protection	Vehicle theft-deterrent system with engine immobilizer
	Multifunction in-key remote
	Remote-activated, SmartAccess-linked illuminated entry [15] (dome-light ring illuminates when doors are unlocked, remains illuminated for 15 seconds or until door is opened)
	Entry system with lock, two-stage unlock, trunk open and "panic" features, volume-adjustable confirmation tone and rolling code technology
Defogger	Auto-off timer for rear window
Windshield Wipers	Variable intermittent wipers with mist cycle
	Rain-sensing intermittent windshield wipers with mist cycle
Mirrors	Power-adjustable, auto-folding outside mirrors with puddle lamps
	Electrochromic auto-dimming outside mirrors with auto tilt-down in reverse
Glass	Water-repellent front-door glass
First Aid Kit	Included
Tool Kit	Included

Exterior Specs	
Length (in/mm)	183.5 / 4660

Width (in/mm)	71.5 / 1815	
Height (unloaded) (in/mm)	55.7 / 1415	
Wheelbase (in/mm)	107.5 / 2730	
Tread Width	- Front (in/mm)	61.4 / 1560
	- Rear (in/mm)	59.6 / 1515

Weights and Capacities	
Curb Weight	3,780 lbs.
Weight Distribution	54% front / 46% rear
Fuel Capacity	16.9 gal.

Exterior Features	
Headlamps	Bi-xenon HID, auto-leveling headlamps
	Adaptive Front lighting System (AFS)
	LED brake, tail and license plate lamps
	Puddle lamps (mounted on underside of outer mirrors)
Running Lights	Daytime Running Lights
Fog lamps	Integrated fog lamps
Taillamps	LED taillamps
Windshield Wipers	Variable intermittent wipers with mist cycle
	Rain-sensing intermittent windshield wipers with mist cycle
Mirrors	Color-keyed electrochromic outside rearview mirrors with memory
Glass	Ultraviolet and infrared ray reducing glass on all windows
	Top shade/tinted glass on front windshield
Fenders	Wide front fenders with air vents
Spoiler	Aerodynamic rear spoiler
Exhaust	Quad exhaust tips
"F" Logo	"F" logo on fenders and rear badging

Interior Specs		
Seating Capacity	4	
Headroom	- Front (in/mm)	37.2 (39.0 w/o moonroof) / 945 (991 w/o moonroof)
	- Rear (in/mm)	36.7 (36.9 w/o moonroof) / 932 (937 w/o moonroof)
Legroom	- Front (in/mm)	43.9 / 1115
	- Rear (in/mm)	30.6 / 777
Shoulder Room	- Front (in/mm)	54.4 / 1382
	- Rear (in/mm)	52.7 / 1339
Hip Room	- Front (in/mm)	54.1 / 1374
	- Rear (in/mm)	53.7 / 1364
EPA Passenger Volume	85.7cu. ft. (88.3 w/o moonroof)	
EPA Cargo Volume	13.3 cu. ft.	

Interior Features	
Trim	Leather trimmed interior with "F" logo embroidered in sides of seat cushions
	Blue accents exclusive to "F" marque
	Steering wheel and rear-seat console with "F" logo
	Hand-finished aluminized composite trim
	Fabric sun visors and headliner
	One-piece cut pile carpeting
	Two front and two rear articulating assist grips
Armrest	Front center armrest
Center Console	Rear seat center console in four-seat configuration
	Leather-trimmed Sport Seats with enhanced lateral support, four-seat sport configuration; "F" badging on console and side of each seat
Seats	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
Coin Holder	Coin holder
Cup Holder	Console mounted dual rear cup holders
	One front cup holder located behind the shift lever and one cup holder in the center console
	Lexus Personalized Settings (LPS) [16] to allow certain electronic settings to be tailored to owner preference (programmable by Lexus dealers)

	Speed-sensitive, shift-linked automatic door lock/unlock
Power Mirrors	Power-adjustable, auto-folding outside mirrors with puddle lamps
Steering Wheel Controls	Power tilt and telescoping adjustable steering wheel with memory
Retained Accessory Power	Retained accessory power for operation of power windows and moonroof
Illuminated Entry	Electronic remote, illuminated trunk lid and fuel-filler door releases
Instrumentation	LCD-type electronic digital twin trip meters and odometer display
	Voltage and Oil Temperature Gauge
	Fog lamp indicator
	Door courtesy lights, glove box light and trunk light
Outside Temperature Gauge	External temperature display
Compass	Rearview mirror compass
Scuff Plates	Aluminum scuff plates
Defogger	Rear window defogger with timer
Fuel Cap	Fuel cap hanger
Wipers	Rain-sensing wipers
	Variable intermittent wipers with mist cycle
Misc	Articulating assist grips (two front/two rear)
	Retractable coat hooks
	Covered center console storage box.

Audio & Entertainment	
Standard Audio system	Lexus Premium Sound System with Automatic Sound Levelizer (ASL) and in-dash, single-feed, six-disc CD auto-changer
	13 speakers
Optional Audio System	Mark Levinson® Premium Surround Sound Audio System [22] with 7.1 architecture and in-dash, single-feed, six-disc DVD/CD auto-changer
	14 speakers
	300-watt @ less than 0.1% THD, 20-20,000 Hz
Satellite Radio	XM® Satellite Radio [25] or SIRIUS® Satellite Radio [26] capability
MP3 Audio Input Plug	MP3/iPod®/WMA auxiliary audio input plug [17]
Antenna	Rear glass-imprinted radio antenna with separate FM diversity antenna

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