



2020 LS 500 Specifications

Note: All specs are for both all-wheel drive (AWD) and rear-wheel drive (RWD) unless otherwise noted.

EXTERIOR DIMENSIONS		
Wheelbase		123 in.
Overall Length		206.1 in.
Overall Width (mirrors folded)		74.8 in.
Overall Height	RWD	57.1 in. - Air suspension
		57.5 in. - Coil w/AVS
	AWD	57.5 in. - Air suspension
		57.9 in. - Coil w/AVS
Tread Width	Front	64.17 in. (RWD), 64.37 in. (AWD)
	Rear	64.37 in. (RWD), 63.58 in. (AWD, F SPORT)

INTERIOR DIMENSIONS		
Seating Capacity		5
Headroom	Front	37.3 in.
		36.8 in. (w/pano roof)
	Rear	37.3 in.
		36.4 in. (w/pano roof)
Legroom	Front	41.0 in.
	Rear	38.9 in.
Shoulder Room	Front	58.8 in.
	Rear	56.4 in.
Hip Room	Front	55.5 in.
	Rear	55.1 in.
EPA Passenger Volume		99.4 cu. ft.
		97.6 cu. ft. (w/pano roof)
Cargo Volume		16.95 cu. ft.

WEIGHTS AND CAPACITIES		
Curb Weight	RWD (Coil/Air)	4,740/4,784 lbs.
	AWD (Coil/Air)	4,938/4,971 lbs.
	Executive Package (RWD/AWD)	4,949/5,137 lbs.
GVWR	RWD	5,920 lbs.
	AWD	6,095 lbs.
Weight Distribution (F/R)		53/47
Fuel Capacity		21.7 gal.



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ENGINE	
Type, Materials	Aluminum block and cylinder heads, V6 twin turbo
Designation	V35A-FTS
Valvetrain	DOHC 24-valve Intake: VVT-iE (Variable Valve Timing-intelligent by Electric motor) Exhaust: VVT-i (variable valve timing with intelligence)
Displacement	3.5 liters / 3445 cc / 210.2 cu. in.
Bore x Stroke	3.37 in. x 3.94 in.
Compression Ratio	10.476 :1
Horsepower (SAE)	416 hp @ 6000 rpm
Torque	442 lb.-ft. @ 1600-4800 rpm
Fuel System	EFI (Electrical Fuel Injection), D-4ST (Direct injection 4-stroke gasoline engine Superior Version with Turbo)
Fuel Requirement	Premium 91-octane unleaded
Emission Certification	LEV III ULEV125 ULEV with OBD, Tier3 with OBD, CARB ODB II
Layout	Front engine, rear-wheel drive or all-wheel drive
Transmission Type	10-speed automatic
Designation	AGA0
Gear Ratios	
1 st	4.923
2 nd	3.153
3 rd	2.349
4 th	1.879
5 th	1.462
6 th	1.193
7 th	1.000
8 th	0.792
9 th	0.640
10 th	0.598
Reverse	5.169
Final Drive Ratio	2.764



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CHASSIS AND BODY		
Suspension	Front	High Mount Multi-link
	Rear	Multi-link
Steering - Type	Vehicle speed-sensing rack and pinion with electric power assist	
Turns (lock to lock)	RWD 2.9/AWD 2.8	
Turning Circle (curb to curb)	RWD 36.8 ft./AWD 39.4 ft.	
Brake System	Front	14.0 in. ventilated rotors with four piston opposed aluminum calipers, normal brake pads
	Front F SPORT	15.7 in. ventilated rotors with six piston opposed aluminum calipers, normal brake pads
	Rear	13.1 in. ventilated rotors with two piston opposed aluminum calipers, normal brake pads
	Rear F SPORT	14.1 in. ventilated rotors with four piston opposed aluminum calipers, normal brake pads
Standard Wheel Size	19 x 8 in.	
Optional	20 x 8.5 in.	
Standard Tire Size	245/50R19 all season	
Optional	245/50R19 all season	
F SPORT	245/45R20 all season	
	245/45R20 summer front	
	275/40R20 summer rear	
Spare Tire/Wheel	N/A	
0-60 mph Acceleration (mfg. est.)	4.6 seconds (RWD)	
Top Track Speed	136 mph	
Lexus Estimated Fuel Economy* (City/Hwy/Combined)	19/30/23 mpg RWD	
	18/27/21 mpg AWD	
Coefficient of Drag (Cd)	0.28 (RWD), 0.30 (AWD)	

*Actual mileage will vary.

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Standard Exterior Features

- Triple-projector ultra-compact LED headlamps with cornering lamps
- LED taillamps and turn signals
- Rain-sensing windshield wipers
- Electrochromic (auto-dimming) inside and outside mirrors with puddle lamps
- Hands-free power open/close trunk
- Auto door closer
- 19-inch alloy wheels
- Power moonroof

Standard Interior Features

- Heated leather-trimmed steering wheel
- 16-way power-adjustable heated and ventilated front seats
- Power-adjustable front headrests
- Dual-zone climate control
- Power rear sunshade
- Drive Mode Select with Sport S+ and Custom modes
- Intuitive Parking Assist with auto-braking
- Vehicle Dynamics Integrated Management
- Lexus Enform Wi-Fi. Complimentary 4GB one-year trial is included.
- Lexus Enform Remote app and Destination Assist. Complimentary for the first year of ownership.
- Lexus Enform App Suite 2.0
- Lexus Enform Dynamic Navigation. Complimentary for the first three years of ownership.
- Navigation System with 12.3-in color LCD multimedia display
- Active Sound Control
- Active Noise Cancellation
- Remote Touchpad
- Dynamic Voice Command with Bluetooth® and USB smartphone connectivity
- SmartAccess with push-button Start/Stop

Standard Audio System

- Lexus 12-speaker Premium Audio System
- 8-channel 300-watt class-D amplifier
- Digital signal processing with Automatic Sound Levelizer (ASL)

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- HD Radio™ (complimentary traffic and weather)
- Apple CarPlay Compatibility and Amazon Alexa Compatibility
- Integrated SiriusXM® Satellite Radio receiver (complimentary 90-day trial subscription included)
- Single-disc CD/MP3/WMA player

Multimedia and Connected Services

- Navigation with 12.3-inch high-resolution display with full-screen map capability including 3D rendering
- Home screen divided into three sections (customizable for HVAC, audio, traffic, MID)
- Dynamic Voice Command
- Speed limit display on road traveled
- Cache Radio; ability to pause live AM/FM radio and HD Radio (up to 15 minutes)
- Traffic and Weather data provided via HD Radio (free to all users while in HD Radio range)

Standard Safety and Security

- Lexus Safety System+ 2.0 standard
 - Pre-Collision System with low-light pedestrian detection and daytime bicyclist detection
 - Lane Departure Alert with Steering Assist
 - Intelligent High Beam
 - All-speed Adaptive Cruise Control
 - Road Sign Assist
 - Lane Tracing Assist
- Location specific Tire Pressure Monitor System (TPMS)
- Complimentary for the first ten years, Lexus Enform Safety Connect includes an Emergency Assistance Button (SOS), Roadside Assistance, Automatic Collision Notification, and Stolen Vehicle Notification. The Lexus Enform response center operates 24/7/365.

Individual Factory Options

- Art Wood Organic, Art Wood Herringbone and Laser Special premium wood trims
- Heated wood- and leather-trimmed steering wheel
- Heated leather-trimmed steering wheel (LS F SPORT)
- Panorama glass roof
- Premium LED headlamps with Adaptive Front Lighting System
- Adaptive Variable Air Suspension with rapid height function
- Mark Levinson 23-speaker, 2,400-watt Quantum Logic Immersion Reference Surround Sound Audio System

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- 24-in Head-Up Display
- Panoramic View Monitor
- 19-in split-10-spoke alloy noise-reduction wheels with high-gloss finish
- 20-in split-10-spoke alloy noise-reduction wheels with Vapor Chrome finish
- 20-in split-five-spoke forged alloy wheels with polished finish

Factory Option Packages

- Interior Upgrade Package
 - Quilted-stitch perforated semi-aniline leather interior trim
 - 28-way power-adjustable driver's seat with multifunction massage
 - Ultrasuede headliner and sun visors
 - Wood- and semi-aniline leather-trimmed center console
 - Semi-aniline leather-trimmed door armrests
 - Heated rear seats
- Luxury Package
 - 28-way power-adjustable passenger seat with multifunction massage and cushion extender
 - Remote adjustment for passenger seat 18-way power-reclining outboard rear seats with memory
 - Four-zone Climate Concierge with climate-comfort front and outboard rear seats, infrared sensors and air purifier
 - Power side-window sunshades
 - Semi-aniline leather-trimmed rear armrest with 7.0-in touchscreen controller
 - Rear-seat knee airbags
- Executive Package
 - Butterfly power-retractable front headrests
 - 22-way power-adjustable rear seats with butterfly headrests, memory and multifunction massage with heat
 - Right-rear power recliner with sliding ottoman
- Executive Package with Kiriko Glass (includes Executive Package features plus the following)
 - Kiriko Glass interior door trim
 - Hand-pleated interior door trim

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- F SPORT Package
 - Unique exterior trim (bumper, grille, lower doors, rear diffuser)
 - F SPORT 20-inch split five-spoke alloy wheels with Graphite finish
 - Six-piston front brake calipers with 15.7-inch ventilated discs
 - Four-piston rear brake calipers with 14.1 ventilated discs.
 - F SPORT Adaptive Variable Suspension
 - LFA-inspired instrument panel with movable display
 - F SPORT perforated leather interior (steering wheel, shifter knob) with Ultrasuede headliner
 - F SPORT 28-way adjustable sport seats
 - Passenger seat power cushion adjuster
 - Aluminum pedals and interior trim

- Performance Package (RWD only, includes F SPORT Package features plus the following)
 - Variable gear ratio steering
 - Active rear steering
 - Active stabilizer bars

- Lexus Safety System+ A Package
 - Lexus CoDrive with enhanced All-Speed Dynamic Radar Cruise Control and Lane Change Assist.
 - Pre-Collision system with active braking, active steering assist, front lateral side detection and head up display integration.
 - Front Cross Traffic Alert