



2021 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. - Coil w/AVS
	AWD	57.5 in. - Coil w/AVS
Tread Width	Front	64.21 in. (RWD w/Air), 64.29 in. (AWD w/Air)
	Rear	64.45/64.33 in. (RWD Coil w/AVS; AWD Coil w/AVS) 63.66/63.54 in. (RWD F SPORT; AWD F SPORT)
Ground Clearance	RWD	6.5 in. - Coil w/AVS
		5.7 in. - Air suspension
	AWD	5.9 in. - Coil w/AVS
		5.4 in. - Air suspension

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	Standard RWD (Coil/Air)	4,696/4,740 lbs.
	Standard AWD (Coil/Air)	4,905/4,938 lbs.
	F SPORT RWD (Coil/Air)	4,839/4,916 lbs.
	F SPORT AWD (Coil/Air)	4,960/5,049 lbs.
	Luxury (RWD/AWD)	4,894/5,060 lbs.
	Executive (RWD/AWD)	4,905/5,104 lbs.



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GVWR	RWD 5,920 lbs. AWD 6,055 lbs.
Weight Distribution (F/R)	53/47
Fuel Capacity	21.7 gal.

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	10.478 :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	ULEV70
Layout	Front engine, rear-wheel drive or all-wheel drive
Transmission Type	10-speed automatic
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 Rear	High Mount Multi-link 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 Front F SPORT Rear Rear F SPORT	14.0 in. ventilated rotors with four piston opposed aluminum calipers, normal brake pads 15.7 in. ventilated rotors with six piston opposed aluminum calipers, normal brake pads 13.1 in. ventilated rotors with two piston opposed aluminum calipers, normal brake pads 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 245/45R20 all season
F SPORT		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
EPA Estimated Fuel Economy* (City/Hwy/Combined)		18/29/22 mpg RWD 17/27/21 mpg AWD
Coefficient of Drag (Cd)		0.28 (RWD), 0.30 (AWD)

*Actual mileage may 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
- Exterior colors: Ultra White*, Eminent White Pearl*, Atomic Silver, Manganese Luster**, Iridium*, Obsidian, Caviar, Matador Red Mica, Nightfall Mica

*Available for an additional \$500 charge

*Available for an additional \$595 charge

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 three-month trial is included.
- Lexus Enform Remote app and Destination Assist. Complimentary for the first three years 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-inch touchscreen
- Active Sound Control
- Active Noise Cancellation
- Remote Touchpad
- Dynamic Voice Command with Bluetooth® and USB smartphone connectivity
- SmartAccess with push-button Start/Stop

STANDARD MULTIMEDIA SYSTEM

- Lexus 12-speaker Premium Audio System
- Navigation with 12.3-inch high-resolution touchscreen
- Remote Touch Interface (RTI) pad with back button
- 8-channel 300-watt class-D amplifier
- USB audio input connections



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- Backup monitor
- Apple CarPlay integration
- Android Auto
- Alexa+Lexus compatibility
- Digital signal processing with Automatic Sound Levelizer (ASL)
- HD Radio™
- Single-disc CD/MP3/WMA player
- Integrated SiriusXM® Satellite Radio receiver (complimentary 90-day trial subscription included)

CONNECTED SERVICES

- Lexus Enform Safety Connect. Included for the first three years of ownership.
- Lexus Enform Service Connect. Included for the first 10 years of ownership.
- Lexus Enform Wi-Fi, 4GB/three-month trial is included.
- Lexus Enform Remote with Amazon Alexa and Google Assistant compatibility. Included for the first three years of ownership.
- Lexus mobile app services (Lexus Enform Remote, Lexus Drivers and more)
- 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.

STANDARD SAFETY SYSTEM

- Standard Lexus Safety System+ 2.5
 - Pre-Collision System with Pedestrian Detection
 - Low Light Pedestrian Detection
 - Daytime Bicyclist Detection
 - Left Turn Intersection Support
 - Lane Departure Alert with Steering Assist
 - Road Sign Assist
 - Enhanced Lane Tracing Assist (LTA)
 - All-Speed Dynamic Radar Cruise Control (DRCC)
 - Intelligent High Beam
- Location specific Tire Pressure Monitor System (TPMS)

STANDARD FEATURES BY GRADE

- **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



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- **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 (AWD only)
 - Power side-window sunshades
 - Semi-aniline leather-trimmed rear armrest with 7.0-in touchscreen controller
 - Rear-seat knee airbags
- **Luxury Package with Cold Weather Package** (includes Luxury Package, and adds or replaces):
 - Windshield wiper De-icer
 - Enhanced interior heater
 - Headlamp washers
- **Luxury Package with Four-zone AC** (includes Luxury Package, and adds or replaces):
 - Four-zone Climate Concierge with climate-comfort front and outboard rear seats, infrared sensors and air purifier
- **Luxury Package with Haku Ornamentation** (includes Luxury Package, and adds or replaces):
 - Haku interior door trim
- **Executive Package** (includes Luxury Package, and adds or replaces):
 - 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 Haku Ornamentation** (includes Executive Package, and adds or replaces):
 - Haku interior door trim
- **Executive Package with Kiriko Glass** (includes Executive Package, and adds or replaces):
 - Kiriko Glass interior door trim
 - Hand-pleated interior door trim
- **F SPORT Package**
 - Unique exterior trim (bumper, grille, lower door trims, rear diffuser)
 - F SPORT 20-inch split five-spoke alloy wheels with Dark Vapor Chrome 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
 - Performance-inspired instrument with sliding bezel
 - F SPORT perforated leather interior (heated steering wheel, shifter knob) with Ultrasuede headliner



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- F SPORT 28-way adjustable sport seats
- Passenger seat power cushion adjuster
- Aluminum pedals and interior trim

- **Dynamic Handling 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**
 - Enhanced All-Speed Dynamic Radar Cruise Control and Lane Change Assist.
 - Pre-Collision system with active braking, active steering assist and head-up display integration.
 - Front Cross Traffic Alert

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
- 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 Gloss Black and machined finish