

EXTERIOR DIMENSIONS		
Wheelbase		123 in. (3,125 mm)
Overall Length		206.1 in. (5,235 mm)
Overall Width with mirrors folded		74.8 in. (1,900 mm)
Overall Height	RWD	57.1 in. (1,450 mm) – Air suspension 57.5 in. (1460 mm) – Coil w/AVS
	AWD	57.5 in. (1460 mm) – Air suspension 57.9 in. (1470 mm) – Coil w/AVS
Tread Width - Front	RWD AWD	64.2 in (1,630 mm) 64.2 in (1,630 mm) – Coil w/AVS /F SPORT 64.4 in (1,635 mm) – Air suspension
- Rear	RWD AWD	64.4 in (1,635 mm) 63.6 in. (1615 mm) – F SPORT 64.4 in (1,635 mm)
Ground Clearance	RWD	5.7 in (144mm) – Air suspension 6.5 in. (165mm) – Coil w/AVS
	AWD	5.4 in (137mm) – Air suspension 5.9 in.(151mm) – Coil w/AVS

INTERIOR DIMENSIONS		
Seating Capacity	5	
Headroom With Moonroof - Front - Rear With Panorama roof - Front - Rear	37.3 in. (947.8mm) 37.3 in. (946.3mm) 36.8 in. (935.8mm) 36.4 in. (925.6mm)	
Legroom	30. Till. (723.01111)	
With Moonroof - Front - Rear	41.0 in. (1041.3mm) 38.9 in. (989.2mm)	
With Panorama roof - Front - Rear	41.04 in. (1042.5mm) 38.9 in. (989.2mm)	
Shoulder Room - Front	58.8 in. (1493.2mm)	
- Rear	56.4 in. (1433.7mm)	
Hip Room - Front	55.5 in. (1,410.2mm)	
- Rear	55.1 in. (1,398.8mm)	



2018 LS 500 Product Information

Passenger Volume	
With Moon roofWith Panorama roof	99.397ft ³ 97.556ft ³
Maximum Cargo Room	16.951 cu. ft. w/o rear cooler (0.48 m³ / 480L) 15.538 cu ft w/rear cooler (0.44 m³ / 440L)

WEIGHTS AND CAPACITIES	
Curb Weight (in lbs.)	
RWD	4,751lb (2,155kg) – Air suspension 4,707lb (2,135kg) – Coil w/AVS
AWD	4,938lb (2,240kg) – Air suspension 4,905lb (2,225kg) – Coil w/AVS
with Executive Package	
RWD	4,905lb (2,225kg)
AWD	5,093lb (2,310kg)
GVWR (in lbs.)	
RWD	5,920lb (2,690kg)
AWD	6,095lb (2,770kg)
Weight Distribution (front/rear)	53/47
Fuel Capacity	21.7 gal. (82L)

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 / 3444 cc / 210.2 cu.in.
Bore x Stroke	3.37 in. x 3.94 in. (85.5mm x 100mm)
Compression Ratio	10.476:1
Horsepower	416hp @6000 rpm / 310kW @6000 rpm / 421ps @6000 rpm
Torque	442 lbft.@1600-4800 rpm/ 600Nm@1600-4800 rpm/ 61.2kg-m/1600-4800 rpm
Fuel System	EFI (Electrical Fuel Injection), D-4ST (Direct injection 4-stroke gasoline engine Superior Version with Turbo)
Fuel Requirement	95 RON / 91 AKI or higher
Emission Certification	LEV III-ULEV125
(manufacturer's estimate)	ULEV with OBD
	Tier3 with OBD



DRIVETRAIN		
Layout	Front engine, rear-wheel drive or all-wheel drive	
Transmission Type	10-speed automatic	
Designation	AGA0	
C D :: 1:	RWD AWD	
Gear Ratios 1st	4.923	
2nd	3.153	
3rd	2.349	
4th	1.879	
5th	1.462	
6th	1.193	
7th	1.000	
8th	0.792	
9th	0.640	
10th	0.598	
Reverse	5.169	



CHASSIS AND BODY		
Body/Frame		
Suspension	- Front and Rear	Front: High Mount Multi-link, double joint; Rear: Multi-link
Steering		Electric Power Steering (EPS): 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: 18.7 ft (5.7 m), AWD: 19.7 ft (6.0m)
Brake/Type		Anti-lock Braking System (ABS); Electronic Brake force Distribution (EBD); Brake Assist (BA)
Front		14.0 in (357mm) ventilated rotors with four piston opposed aluminum calipers, normal brake pads
F SPORT Front	ŧ	15.7 in (400 mm) ventilated rotors with six piston opposed aluminum calipers, normal
Rear		brake pads 13.1 in (335mm) ventilated rotors with two piston opposed aluminum calipers, normal brake pads
F SPORT Rear		14.1 in (359 mm) ventilated rotors with four piston opposed aluminum calipers, normal brake pads
Anti-lock Braki	ng System	4-channel, 4-sensor with Vehicle Dynamics Integrated Management (VDIM)
Wheel Size/Typ	ре	1. 19 in. (cast aluminum, resonator - standard) 2. 20 in (cast aluminum, resonator / forged aluminum - available) 3. 20 in. (aluminum - available F SPORT)
Tire Size/Type		1. 245/50RF19 all season 2. 245/45RF20 all season 3. Fr: 245/45RF20, Rr: 275/40RF20 (F SPORT)
Tire Brand(s)		Bridgestone, Dunlop, Michelin

PERFORMANCE		
0-60 mph Acceleration (manuf. est.)	4.6 seconds (RWD)	
Top Track Speed (electronically limited)	136mph (220km/h)	
Manufacturer-Estimated Fuel Economy*		
RWD	City 19 mpg/ Highway 29 mpg/ Combined 23 mpg	
AWD	City 18 mpg/ Highway 27 mpg/ Combined 21 mpg	
Coefficient of Drag (Cd)	0.28	

^{*}Actual mileage will vary