



LS

LS500h / LS500 / LS350

LS 500h





Note: Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area. Please inquire at your local dealer for details on the availability of features.



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LEXUS

INTELLIGENCE SEVEN

1

CONCEPT



P18

2

DESIGN



P24

3

PERFORMANCE



P28

4

FEATURES



P34

5

SAFETY



P42

6

F SPORT



P50

7

TAKUMI

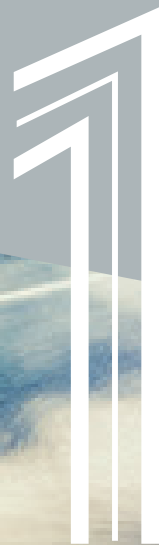


P56

CONCEPT



Befitting the Lexus flagship sedan, the LS realizes a future-focused vision of luxury to create a superior driving experience. It further evolves Lexus DNA to provide refined driving and ride performance, fusing advanced technologies with exquisite craftsmanship to shape trendsetting values.



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The inspired starting point of the LS was to refine every aspect of 'driving performance, quietness, ride, and interior comfort' encoded in the original LS DNA, to give fresh expression and nuance to exceptional Lexus quietness, comfort and peace of mind. Then project it into the future through the adoption of innovative 'Lexus Teammate' technologies that advance the HMI (human-machine interface) between driver and car to deliver exhilarating, confident driving. These

qualities are given emotional expression through an artistic approach to design that shapes the dynamic silhouette. It is deepened by Takumi craftsmanship which captures the ethereal qualities of moonlight on waves in the unique 'Haku & Nishijin' finishes in the cabin, and enjoyed in the ever-changing moonlit-inspired light and shadow of the sophisticated Gin-Ei Luster exterior finish.



DESIGN



The LS's design gives artistic expression to the dynamic evolution of the Lexus flagship, to create a refined and luxurious presence. It exudes confident freedom of movement, to provide a bespoke ownership experience that will enrich modern lifestyles.



» INTELLIGENCE



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EXTERIOR

The LS exudes chic sophistication at first sight, fusing sensual beauty with a low center of gravity to shape a distinctive, confident presence. The beautiful form seamlessly integrates advanced functionality in the flowing lines of the grille and headlamps, highlighted by the ever-changing expression of the extraordinary Gin-Ei Luster finish.



INTERIOR

A refined expression of contemporary luxury, the interior combines a cockpit designed to support simple operation and focused concentration for relaxed confident driving, with sublime comfort for deep relaxation. The subtle Japanese aesthetic and spirit of hospitality of Takumi craftsmanship enrich the inviting and dignified cabin environment.





PERFORMANCE



The relentless pursuit of perfection to create a superior driving experience honed the LS's outstanding response and power, contributing to an emotional performance that heightens driving enjoyment when you choose to drive. Together with the refined and luxurious ride comfort essential to a Lexus flagship often enjoyed as a chauffeur car.

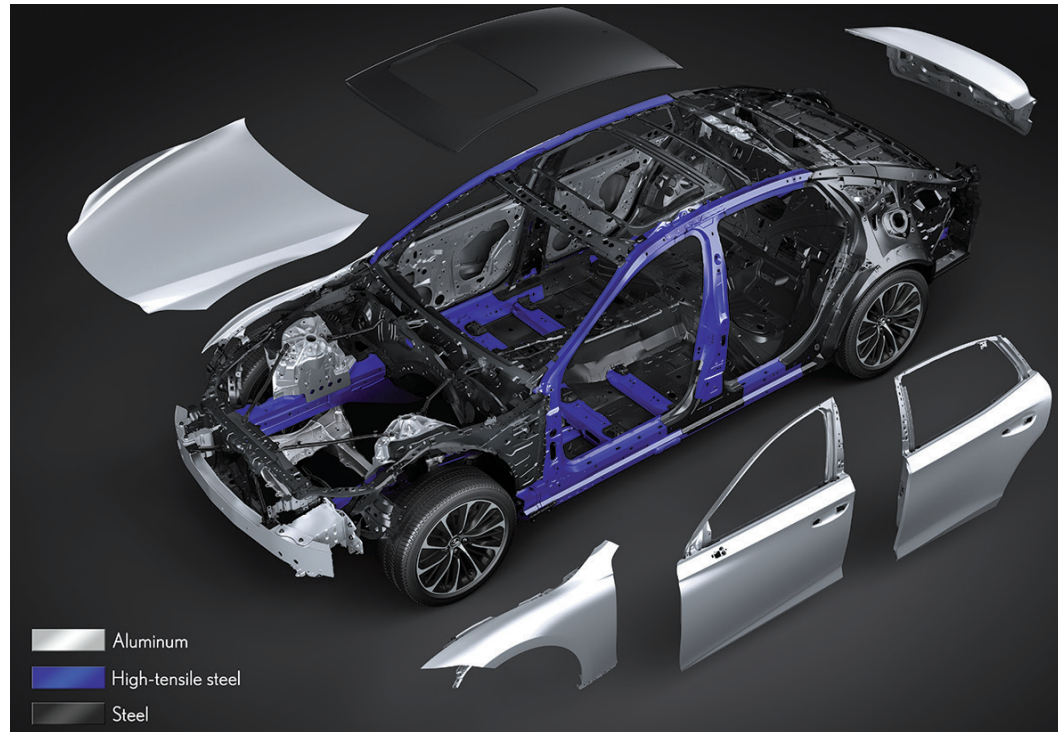
» INTELLIGENCE

3



Multi material body

To achieve high body rigidity, light weight and excellent safety performance, required optimizing the layout and use of hot-stamp, high-tensile steel for major body components such as the rockers, pillars and roof. To lower the center of gravity and moment of inertia, aluminum was used for the body framework located further from the vehicle's center of gravity, hood, trunk lid, fenders, doors and suspension towers, endowing the body with excellent turning characteristics.

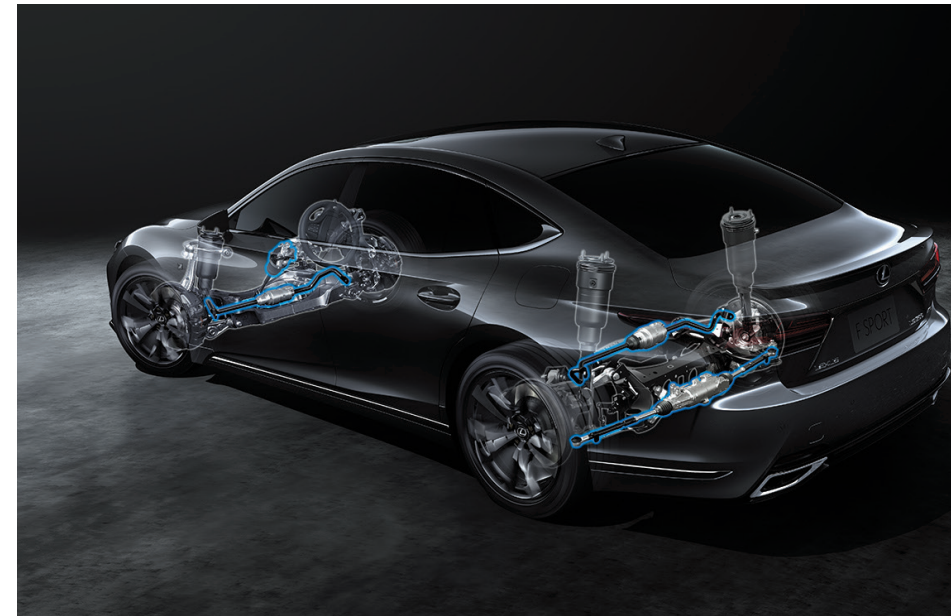
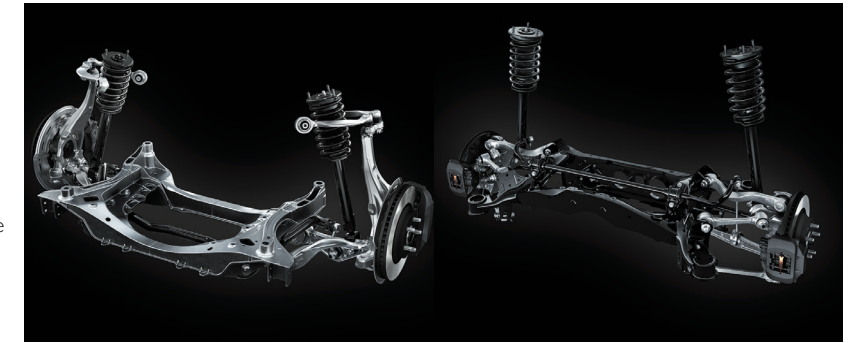


FR (Front engine, Rear wheel drive) platform

The LS takes advantage of the FR platform that Lexus refined for the LC to optimize front-to-rear weight distribution and the moment of inertia. The result is natural, smooth vehicle dynamics when cornering, accelerating and decelerating. The adoption of a low driving position and a layout that keeps the driver's hip point and the vehicle's center of gravity close together minimizes the distance between the driver and the axis of rotation, heightening the driver's feeling of oneness with the car. In this way, the packaging meticulously refines the inertia characteristics to deliver excellent response along with smooth, stable changes in posture during the sequence of movements involved in cornering.

Suspension

To realize high-quality driving and ride comfort befitting the Lexus flagship, the AVS damping force, stabilizer spring rate, and vertical spring of the wheels were fine-tuned to effectively suppress shock and vibration, providing high-quality ride comfort and exceptional quietness, as well as realizing excellent steering response and stable vehicle posture.*¹



VDIM (With integrated active steering control) + LDH

VDIM integrates control of engine, braking, steering and other functionality, including the EPS and LDH which controls the steering angle of the front and rear wheels, as a single system, to provide a high level of active safety together with driving pleasure. LDH optimizes the steering angle of all four wheels based on factors such as vehicle speed and steering inputs, to realize ideal vehicle dynamics for the driver's operation. The result is excellent vehicle stability during high-speed driving and nimble steering response in mid-speed driving on surfaces such as mountain roads.*²

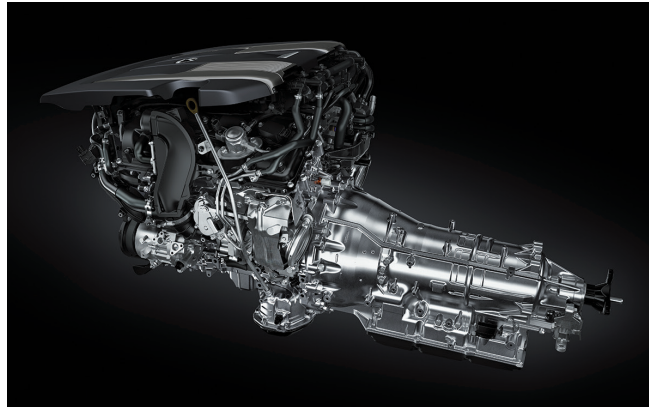


Drive mode select

Drive mode select provides integrated control of multiple systems to let you tune performance to suit your driving style. You can select and change between five modes: Normal, Eco, Comfort, Sport S and Sport S+ Modes. In addition, Custom Mode enables drivers to set their preferred settings for the powertrain, chassis and air conditioning.

*¹ AVS: Adaptive Variable Suspension. *² VDIM: Vehicle Dynamics Integrated Management. LDH: Lexus Dynamic Handling system. EPS: Electric Power Steering.

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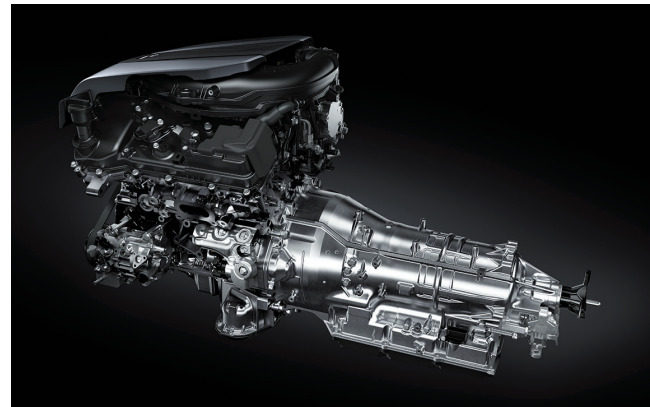


3.5-liter V6 twin turbocharged engine (V35A-FTS)

This advanced powerplant combines powerful exhilarating acceleration generated by the flat torque characteristics of twin turbochargers, with quiet operation befitting the Lexus flagship. An array of advanced engine technologies including high-speed combustion and straight intake ports contribute to outstanding thermal efficiency, optimizing both engine performance and fuel efficiency. The twin turbochargers provide high turbo boost even at low engine speeds, optimizing torque while reducing fuel consumption.

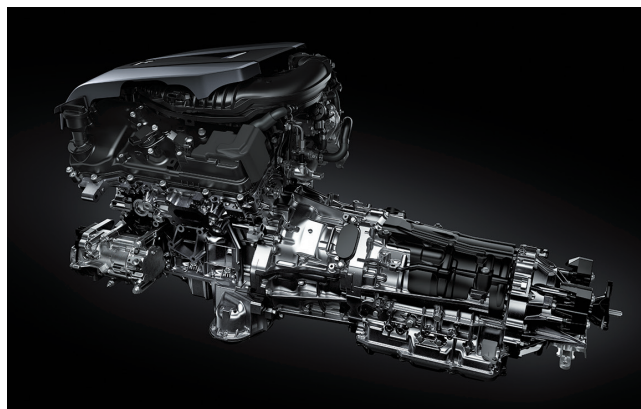
3.5-liter V6 engine (8GR-FKS)

Delivering a sophisticated blend of power and environment-friendly performance, Dual VVT-i (Intake side: VVT-iW) contributes to high torque across the rpm range, with lightweight roller rocker arms and a low-friction timing chain enhancing high-revving performance. The Stop & Start System complements the D-4S fuel injection system to further enhance fuel efficiency.*



3.5-liter V6 engine (8GR-FXS)

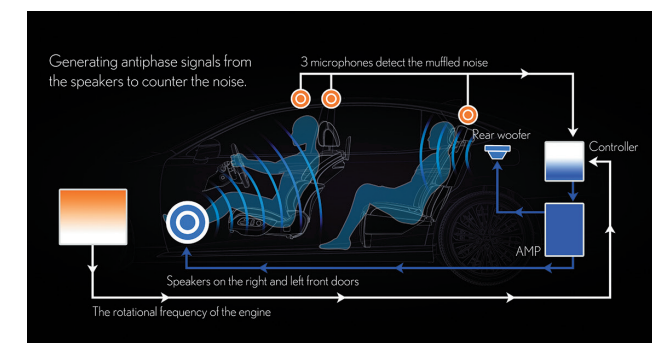
The hybrid system's V6 engine integrates advanced technologies that include Dual VVT-i and D-4S fuel injection system to generate both powerful driving and outstanding environmental performance. Analysis of big data on 'everyday acceleration' inspired fine-tuning of drive force control to enhance response and power output, delivering a quick boost in torque even when the accelerator is pressed less than half way, for smooth quiet acceleration enjoyed most often in daily driving conditions.



Multi Stage Hybrid System

The Multi Stage Hybrid System's 10-speed shift control optimizes the hybrid system's characteristics to provide exceptional driving performance, with a direct and continuous acceleration feel that matches the increase in engine rpms, together with excellent shifting rhythm. Increasing battery assist

during acceleration at often-used speeds experienced in city driving significantly enhances smooth start-up acceleration. At the same time, lower engine rpms during start-up acceleration enhance quiet operation.



Engine sound

ANC (Active Noise Control) and ESE (Engine Sound Enhancement) were fine-tuned to enhance the flagship-level quietness in the cabin, and at the same time enliven driving enjoyment. ANC suppresses engine boom at a wide range of engine speeds, while ESE tunes the sound of engine acceleration and deceleration to provide a powerful and linear sporty engine note.

* VVT-i: Variable Valve Timing-intelligent. VVT-iW: Variable Valve Timing-intelligent Wide. D-4S: Direct injection 4 stroke gasoline engine Superior version.

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FEATURES



Meticulous attention was paid to further refining the flagship comfort, utility and safety of each element to make every drive in the LS time well spent. Fusing craftsmanship with advanced technologies to create a modern expression of luxury, imbues an enriching experience to be enjoyed with confidence and peace of mind.

4

» INTELLIGENCE



It is in the pleasurable discovery of the details blending superb functionality with exquisite beauty that you come to appreciate the special values Lexus hospitality provides. The character lines of the bold silhouette enlivened by the ever-changing beauty of the Gin-Ei Luster finish, seamlessly flow into the slim headlamp unit that integrates 3-eye Bi-Beam LED headlamps, innovative BladeScan AHS headlamps

*and the hospitality illumination of the DRL. It is enjoyed in the refined comfort of the seats, from deep stitch points to the use of low-resilience urethane in the seat pads. It is heightened by touch screen displays in the front and rear that provide intuitive control of the audio, navigation, climate control and other systems, to put personalization of a comfortable environment at your fingertips.*1*



Headlamps

A slim 3-projector lamp unit above and innovative BladeScan AHS headlamps below help provide excellent night-time visibility for reliable, stress-free driving. The BladeScan system helps to dramatically enhance visibility at night, providing excellent visibility with a broad natural illumination range in high beam, to help support early recognition of pedestrians and road signs. The L-shaped LED DRL in the middle provide fade-in and fade-out 'omotenashi' illumination after the doors are unlocked and locked.*1

Rear combination lamps

The distinctive L-shaped rear combination lamps blend harmonious form, heightened by the use of Piano Black trim, with advanced functionality. The sequential turn signal lamps illuminate in a sharp, well-defined flow that intuitively communicates the turning direction to following vehicles. Aero stabilizing fins integrated into the design contribute to excellent handling stability. All lamps, including on the trunk lid, use LEDs.



Door mirrors

The curvature of the mirror was optimized to enhance rear visibility in a compact size. Sculpting the inside of the mirror visor gives it a sharp shape, and creates more space between the mirror and front pillar, enhancing aerodynamic performance and reducing wind noise. On models with the Advanced Park system, the mirrors integrate a dedicated camera and infrared light.



Hands-free power trunk lid

Even if both hands are full, when carrying the Electronic Key you can open and close the trunk lid automatically by moving your foot under the rear bumper.



Moonroof

An outer sliding mechanism slides the glass above the roof to create a spacious open feeling in the rear seats.



Trunk space

The LS's refined packaging realizes both a beautiful silhouette and ample luggage capacity, with space to accommodate four golf bags. In hybrid models the battery is located behind the rear seats, creating 430 liters of luggage space (Gasoline models: 480 liters).*2

*1 AHS: Adaptive High-beam System. DRL: Daytime Running Lamps. *2 Luggage space calculated using the VDA method. Luggage space varies for vehicles equipped with a rear air conditioner: LS500h Executive 400 liters; LS500 Executive 440 liters.

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22-way power rear seats and power ottoman

The power rear seats use motors and a pneumatic system that inflates and deflates air bladders to make fine-grained adjustments to every aspect of the seats. The rear seat behind the front passenger's seat has a maximum 1020mm of foot room and a power ottoman that provides generous support to the lower legs so the occupant can relax in refined comfort. In addition, three position presets allow the occupant to choose their preferred posture. 'Business' is the normal position. 'Entertain' reclines the seatback to a relaxing angle and positions the front passenger's seat for optimal viewing of the rear seat display. 'Relax' moves the front passenger's seat to the forward-most position and deeply reclines the rear seatback to optimize the rear seat space.



Rear multi-operation panel

The multi-operation panel display inset in the rear center armrest puts intuitive control of the audio, air-conditioning, seat adjustments and relaxation functions, sunshades and lighting at rear passengers' fingertips. An intuitive graphic interface that groups frequently used functions enhances easy operation.

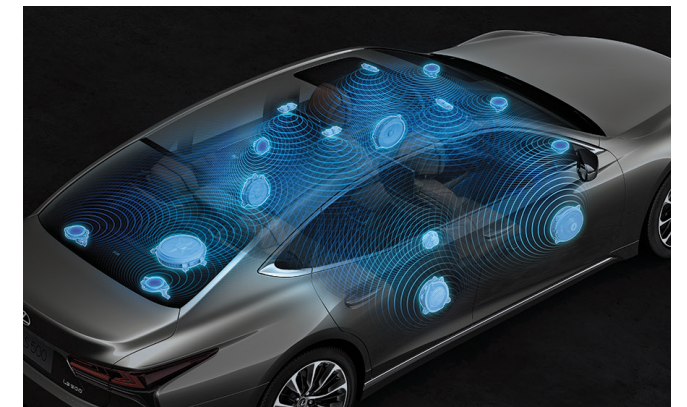
Rear seat entertainment system

The rear seat entertainment system includes 11.6-inch displays that automatically adjust with the seat position to maintain an excellent angle for easy viewing, a Blu-ray Disc player, SD card slot, and an HDMI jack that enables the connection of a computer or other devices. Rear seat passengers can also enjoy videos, music and other media stored on mobile devices using Miracast or DLNA (Digital Living Network Alliance).



Mark Levinson QLI Reference Surround Sound System

Since 1972, Mark Levinson has been dedicated to uncompromising audio fidelity as the audio reference standard. The LS's 16-channel 3D surround sound system drives 23 speakers. The 7 Unity speakers, ceiling speakers and QLI (Quantum Logic Immersion) surround technology fill the cabin with uniform sound quality, enveloping the listener in natural realistic sound with the precise positioning of a live sound stage, excellent separation and dynamic reproduction of sound sources.



Lexus LS Premium Sound System

12 speakers reproduce rich, powerful bass together with realistic vocals. Advanced processing technology corrects for excessive bass and produces clear sound even at low volume.

EMV (Electronic Multi Vision) touch display

The 12.3-inch EMV touch display supports intuitive control of the navigation, audio and other systems by directly touching the screen like a smartphone, or using the Remote Touch pad integrated in the center console. The display is carefully positioned for fingertip operation while maintaining a forward line of sight and driving posture. It is Apple CarPlay and Android Auto compatible for easy interaction with smartphone supported Apps.



Remote Touch Interface/Seat heater screen call-up switch

The Remote Touch Interface is designed for smartphone style operation. The cursor can be adjusted to stop following flick operation to suit the user's preferences. Pinch-in and pinch-out operation enables continuous in and out zooming. The integrated seat heater screen call-up switch enables one-touch display on the EMV of controls for frequently used functions such as the seat heater and steering wheel heater.



Power sunshades (Rear doors, rear quarter windows and rear window)

The rear window sunshade covers the entire window on both sides with no gaps. Operation of the rear quarter window sunshades is linked with the rear door window sunshades to provide comfort and privacy in the rear seats.



Cool box

Air chilled by the rear cooler in the trunk space circulates through the cool box to keep items cool. Cool air vents allow the airflow to be switched on and off as required.



28-way power front seats

The power seats combine motors and a pneumatic system to allow fine-grained adjustment of the seat to support every part of the body. Optimizing support for different physiques to provide a feeling of unity with the car, the shoulder, hip and cushion side support contribute to stable body positioning during braking and cornering. Frequently used functions such as slide and recline, together with headrest up and down, are controlled using switches located on the side of the seats. Adjustment of both seats can be fine-tuned using the EMV display. The driver also has independent control of the front passenger seat to adjust the seat for the comfort of rear seat passengers.



Front refresh seats

Air bladders integrated into the seatback and seat cushion are inflated to apply pressure from the occupant's back to the thighs, contributing to a feeling of relaxation. Programs can be selected for the entire body as well as particular areas (Upper Body, Lower Body and Lumbar).

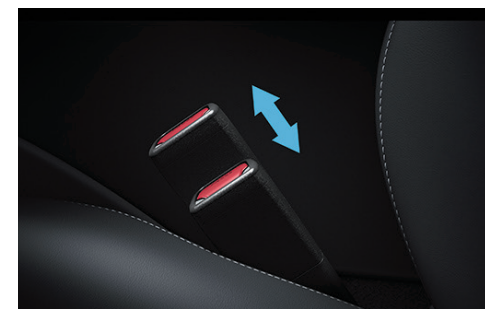
Relaxation seats with warming function (Outboard rear seats)

Air bladders integrated into the seat cushion and seatback are inflated to apply pressure to the occupant's back and thighs. The system also utilizes dedicated heaters to promote relaxation through repeated warming and cooling. A total of seven programs for both the entire body (Full Body Refresh, Full Body Stretch and Full Body Simple) and specific parts of the body (Upper Body, Lower Body, Shoulder and Lumbar) can be selected.



Lexus Climate Concierge

Lexus Climate Concierge coordinates with the 4-zone independent temperature control to automatically control the auto air conditioner with the seat heaters, seat ventilation and steering wheel heater to provide optimal comfort for each occupant. The body surface temperature of occupants is detected by IR (Infrared Rays) matrix sensors to quickly provide the optimal level of comfort for all occupants. It also detects sunlight in the early morning and at sunset and controls the vehicle's climate control system to maintain comfort.



Easy Access Buckles (Front seats)

To make the front seatbelts easy to use, the seatbelt buckle lifts up when the door is opened and then moves back down once the seatbelt is fastened.



Electronically controlled air suspension (With access mode)

In addition to the vehicle height adjustment function which can be switched between Normal and High settings, access mode automatically raises the vehicle to make ingress and egress easy.*¹



Power easy access system

The front seats feature auto slide-away and return functions, together with auto lift-up function (Driver's seat only) and cushion side-away function. For easy access, auto lift-up raises the seat lifter when the driver gets out and then returns it to the original seat position when the driver gets in. Cushion side-away opens the outboard side cushion supports to reduce the pressure on the thighs while getting in and out.*²

*¹ To use access mode or to operate the air suspension while stopped requires changing the function settings.
*² To use auto-lift-up requires changing the easy access system settings.

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SAFETY



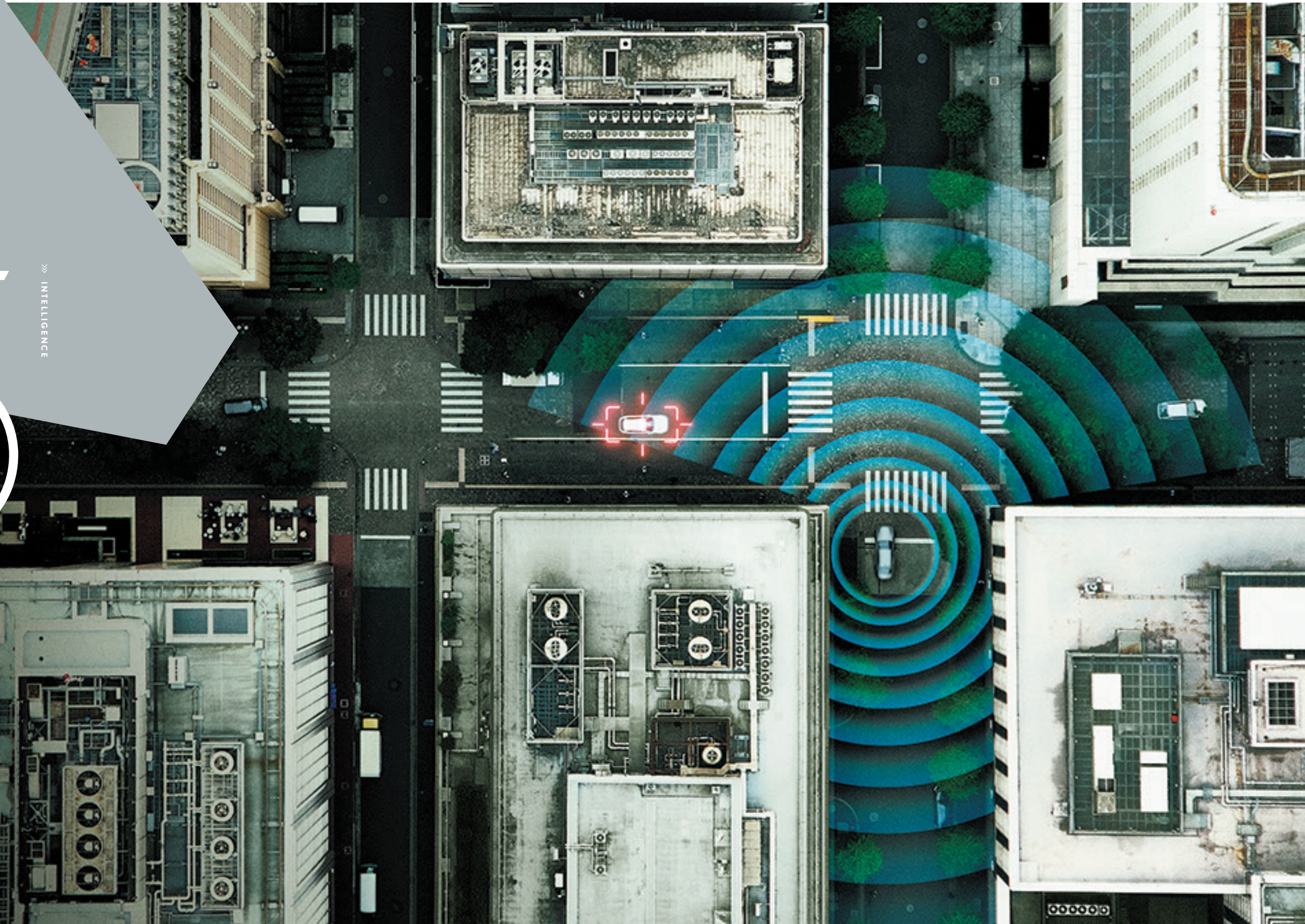
To realize the deep peace of mind appropriate for the Lexus flagship, the LS integrates advanced active and passive safety technologies that offer leading levels of driving assistance and margins of safe driving performance, providing the freedom to drive confidently, comfortably and safely.



» INTELLIGENCE

LEXUS SAFETY SYSTEM + A

LEXUS SAFETY SYSTEM +



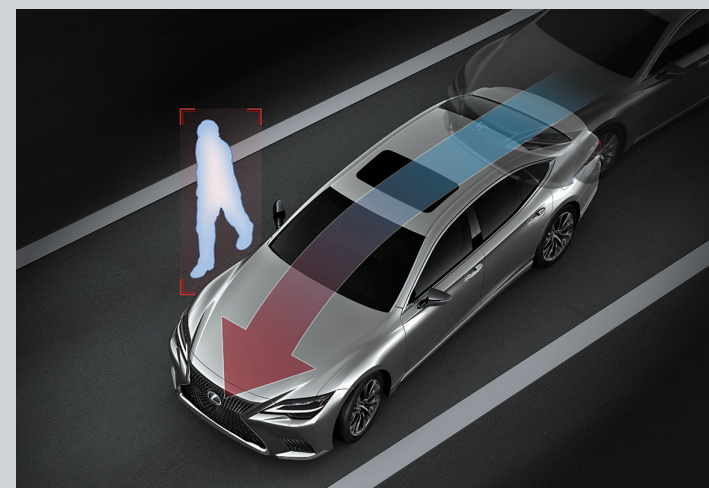
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LEXUS SAFETY SYSTEM + A



Pre-Collision System with Pedestrian Alert

If the system determines a collision with a pedestrian in front of the vehicle is possible, Pedestrian Alert helps the driver intuitively recognize the hazard by displaying an animated warning indicating the direction in which the pedestrian is present in the large color head-up display.



Pre-Collision System with Active Steering Assist

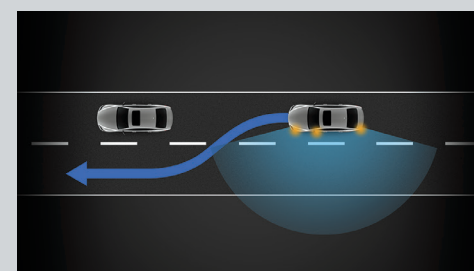
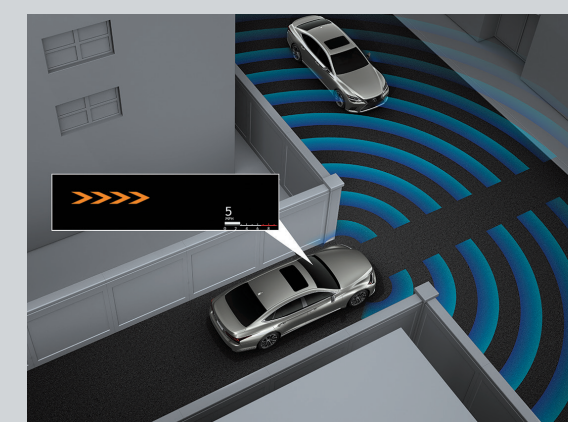
When the millimeter-wave radar and stereo camera sensors detect a pedestrian or a continuous obstacle such as a guardrail in the vehicle's lane, and determine that a collision is likely and cannot be avoided by braking control with pre-collision braking only, but could be avoided with steering control, it will augment the display warnings and braking control by activating Active Steering Assist to automatically control steering to help avoid a collision or mitigate the impact force.

Pre-Collision System (With intersection turning assist)

When the millimeter-wave radar and stereo camera sensors detect a collision with a vehicle ahead, a pedestrian during the day or at night, or a bicyclist during the day is likely, it alerts the driver and activates pre-collision brake assist when the driver depresses the brake pedal. In the same way, intersection turning assist helps the driver to detect a vehicle or pedestrian in front when turning at an intersection. If the driver cannot depress the brake pedal, it activates pre-collision braking.

FCTA (Front Cross Traffic Alert)

If the system detects a vehicle approaching from the front left or right when entering an intersection, it will attract the driver's attention with an animated warning in the large color head-up display showing the direction the vehicle is approaching from. If the driver continues to proceed despite the approaching vehicle, it will further prompt the driver with a buzzer and warnings on the display. This system also works in conjunction with the Panoramic View Monitor on the 12.3-inch EMV touch display.



LCA (Lane Change Assist)

While driving on highways and automobile-only roads with LTA (Lane Tracing Assist) activated, LCA supports operations to change lanes, including steering, acceleration and deceleration, and monitoring vehicles in the target lane. LCA uses driver activation of the turn signal lamp as the cue to engage lane change support. After the lane change is completed, the turn signal lamp automatically turns off.

Note: The systems functions may not operate properly depending on the weather, road and vehicle conditions or other factors. Be sure to read the Owner's Manual carefully. Do not overly rely on these systems, as there is a limit to the performance they can provide. The driver is always responsible for paying attention to the vehicle's

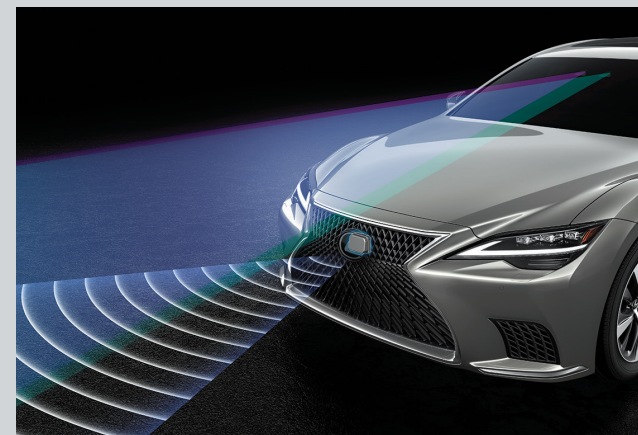
surroundings and driving safely. Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area. Please inquire at your local dealer for details on the availability of features.



LEXUS SAFETY SYSTEM +

Pre-Collision System

When the millimeter-wave radar and monocular camera sensors detect a collision with a vehicle ahead, a pedestrian during the day or at night, or a bicyclist*¹ during the day is likely, it alerts the driver and activates pre-collision brake assist when the driver depresses the brake pedal. If the driver cannot depress the brake pedal, it activates pre-collision braking. In addition, if it detects an oncoming vehicle, it decelerates and helps to mitigate effects of the collision.*¹ In the same way, intersection turning assist helps the driver to detect a vehicle or pedestrian in front when turning at an intersection. If the emergency steering assist system detects a collision with a vehicle, pedestrian or bicyclist ahead is likely, there is sufficient space for the vehicle to be steered within its lane and the driver has begun an evasive steering maneuver, it assists steering to help enhance vehicle stability and prevent lane departure.*²



LTA (Lane Tracing Assist)

When Lane Tracing Assist is activated, it alerts the driver of possible lane or road deviations and helps assist steering to avoid them. In addition, while driving on highways and automobile-only roads with Dynamic Radar Cruise Control (with full speed range) activated, it helps assist steering to keep the vehicle in the lane.

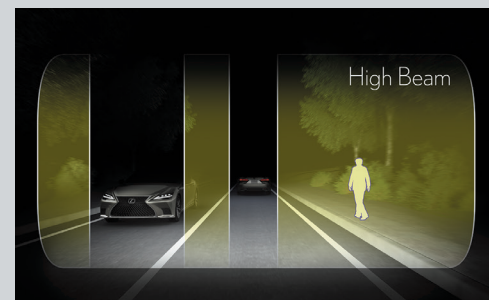
Dynamic Radar Cruise Control

In addition to maintaining a constant speed, Dynamic Radar Cruise Control uses the millimeter-wave radar and monocular camera sensors to detect a vehicle driving ahead and maintain an appropriate distance between vehicles. Furthermore, when approaching and driving through a curve, a Curve Speed Reduction Function decelerates the vehicle, reducing the need to cancel Dynamic Radar Cruise Control operation, enhancing the driver's convenience.



RSA (Road Sign Assist)

To help support safe driving, RSA uses the monocular camera sensor to detect key road signs such as speed limit signs, and displays them on the multi-information display. In the event the driver exceeds the speed limit, RSA provides a visual notification.



AHS (Adaptive High-beam System)

In the BladeScan AHS, LED light is projected onto a plate rotating at high speed called a 'blade mirror,' with the reflected light passing rapidly through a lens to illuminate the forward direction. The LEDs switch on and off with optimal timing to enable fine control of light distribution, enhancing the range of illumination while blocking a small area in front of the car. This enables the BladeScan system to provide a broad field of high-beam illumination with natural light distribution to enhance the visibility of road shoulders and other more distant areas, supporting early driver recognition of pedestrians and road signs without dazzling the drivers of oncoming or preceding vehicles.



Blind Spot Monitor System

When the quasi-millimeter-wave radars in the rear bumper detect vehicles in adjacent lanes that aren't visible in the door mirrors, the system activates an LED warning indicator in the relevant door mirror the moment a vehicle enters this blind spot.

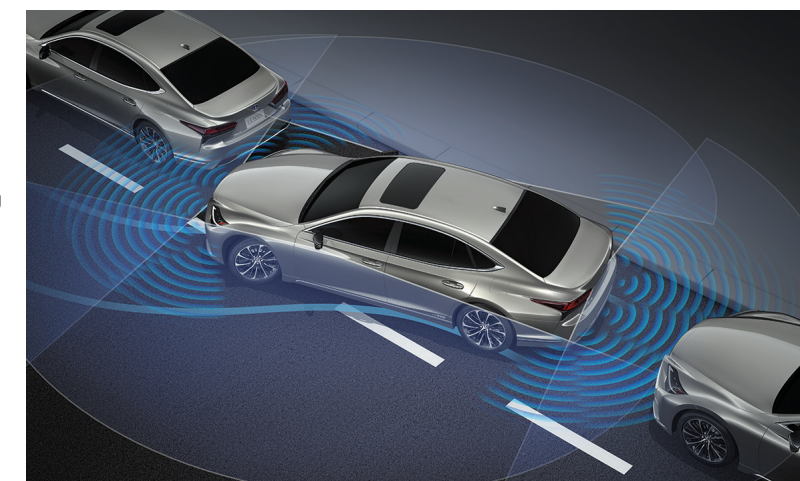


PKSA (Parking Support Alert)

PKSA detects stationary objects such as walls in the direction of travel, as well as vehicles and pedestrians approaching from behind while reversing*³, and alerts the driver on the display and with a buzzer in the event that a collision is determined to be likely.

Advanced Park

While monitoring the surrounding environment using integrated cameras and ultrasonic sensors, Advanced Park automatically controls steering, acceleration, braking and shift changes to assist parking operation. Advanced Park supports perpendicular reverse parking and parallel parking/departure*⁴ in spaces delineated by parking space lines or where there is a car in an adjacent space. In addition, a memory function can be set to remember three parking spaces, supporting parking where there is no parking space lines or car in an adjacent space.



*¹ Pedestrian, bicyclist and oncoming vehicle detection is not available in some markets. Please inquire at your local dealer for details. *² Intersection turning assist and emergency steering assist system are not available in some markets. Please inquire at your local dealer for details. *³ Detection of vehicles and pedestrians approaching from behind while reversing is not available in some markets. Please inquire at your local dealer for details. *⁴ Parallel departure requires a parked car in front.

Note: The systems functions may not operate properly depending on the weather, road and vehicle conditions or other factors. Be sure to read the Owner's Manual carefully. Do not overly rely on these systems, as there is a limit to the performance they can provide. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely. Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area. Please inquire at your local dealer for details on the availability of features.



Large color head-up display

The system helps the driver intuitively understand warnings and take action to avoid potential hazards with animations and information projected on the large 24-inch (600×150mm) display. The screen is divided into different areas to effectively bring information to the driver's attention including cautions and warnings, driving support, road signs, vehicle speed, navigation and other information.

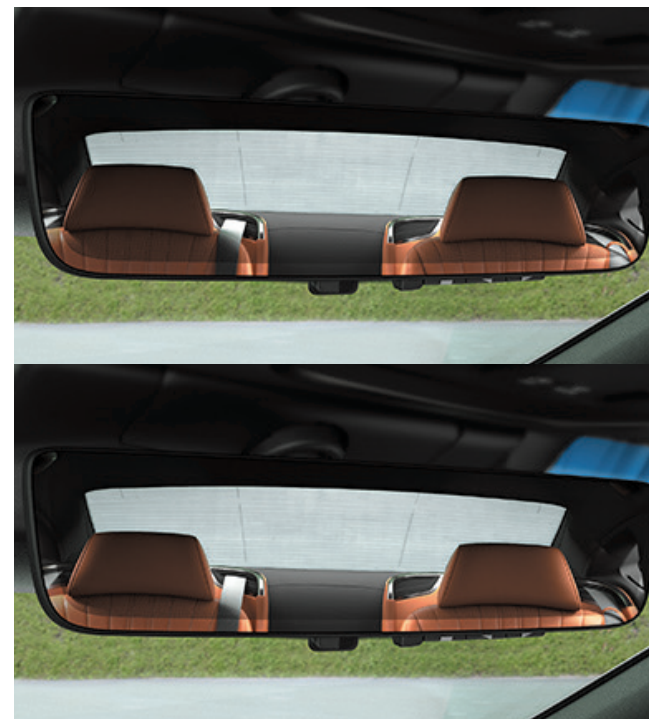
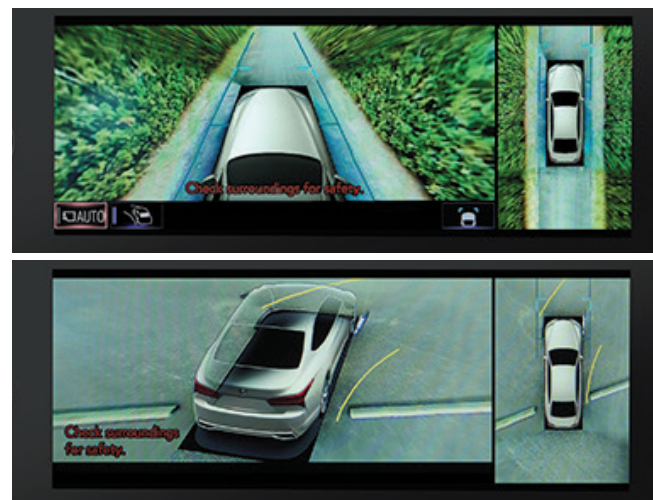


Panoramic View Monitor

Video that provides the driver with a bird's-eye view of the vehicle on the 12.3-inch EMV touch display in real time helps the driver to check conditions around the vehicle that are difficult to see.*¹

Side Clearance View: Helps the driver to check safe clearance to the side of the vehicle.

Cornering View: Helps the driver to check clearance when turning left or right on a narrow road. When the Side Clearance View is active, the Cornering View is automatically displayed in response to steering operation.*¹



Automatic rear seat reclining

When the rear seat is unoccupied, it automatically reclines in tandem with shift operation. If the headrest is raised, it also lowers to provide a wide field of view in the interior mirror.



Digital Rear-view Mirror

The Digital Rear-view Mirror can be switched from optical to Digital Rear-view Mirror mode at a touch of a switch in the bottom of the mirror. In Digital Rear-view Mirror mode, the mirror helps assist safe driving by showing high-resolution, real-time images from the backup camera integrated in the rear license plate garnish, to provide a wider field of view than optical mode, unobstructed by headrests, luggage or passengers' heads. It also helps enhance rearward visibility when the rear sunshades are in use to provide privacy for rear-seat passengers.*²



SRS (Supplemental Restraint System) airbags

The LS features dual-stage SRS airbags (Front seats), SRS knee airbags (Front seats), SRS side airbags (Front and outboard rear seats) and SRS curtain shield airbags (Front and rear seats). SRS seat cushion airbags (Outboard rear seats) are also available for the power rear seats.*³

*¹ Pedestrians, obstacles and other objects may appear different when displayed on the screen. Be sure to visually check your surroundings before you proceed.

*² Always adjust the area the mirror displays before you drive the vehicle for the first time or when the driver changes, while stopped in a safe place. Never adjust the display while driving. Failure to adjust the display area may cause a double image. If the display is difficult to see due to reflection from external light when driving models equipped with twin moonroofs, close the sunshade. It may take time to focus on the display depending on your age and physical condition. In addition, foreign matter such as water drops, snow, or mud may prevent images from being displayed clearly. In this case, switch the mirror to optical mode before driving. In areas where the surrounds are dark, digital signal processing enhances the brightness to boost visibility. It may also cause the digital display monitor to flicker.

*³ The SRS airbags are supplemental devices to be used with the seatbelts. The driver and all passengers in the vehicle must wear their seatbelts properly at all times. Never install a rear-facing CRS (Child Restraint System) on the front passenger's seat. For a forward-facing CRS, it is recommended you use it in the rear seats. Please do not use accessories for the seats which cover the parts where the SRS side airbags should inflate. Such accessories may prevent the SRS side airbags from activating correctly, causing serious injury (Lexus genuine seat covers are specifically designed for models equipped with the SRS side airbags. To find out about availability in your area, please inquire at your local dealer). The photo shows all the SRS airbags activated for display purposes only (the SRS side and curtain shield airbags only inflate on the side of the collision in an actual accident). For details on these and other important safety features, be sure to read the Owner's Manual carefully.



F SPORT



F SPORT evolves the Lexus sport DNA that finds its ultimate expression in the LFA supercar, to enable more drivers to experience its exhilarating performance and unique personality. The F SPORT further enhances the LS's aggressiveness as a driver's sedan so drivers can enjoy a unique sense of oneness with the car, born of its ability to respond immediately to the driver's intentions in various situations.

» INTELLIGENCE



F SPORT spindle grille and side grilles (Mesh type)

The exclusive spindle and side grilles inherit the F SPORT vertical pattern in a meticulous design that combines small L-shaped pieces. The jet-black, chrome-plated garnish on the side grilles wraps

around to the side, accentuating the wide, low stance and aggressive presence. It is reinforced by the exclusive color of the 20-inch wheels.



Front 245/45RF20 + rear 275/40RF20 run-flat tires and F SPORT aluminum wheels

The F SPORT uses different tire sizes on the front and rear to provide exceptional handling stability and boost rear tire grip. The design of the exclusive F SPORT wheels inherits the DNA of the LC, evoking sports driving performance. They are finished in black sputtered coating with a black center ornament, complementing the jet-black garnish of the lower body.



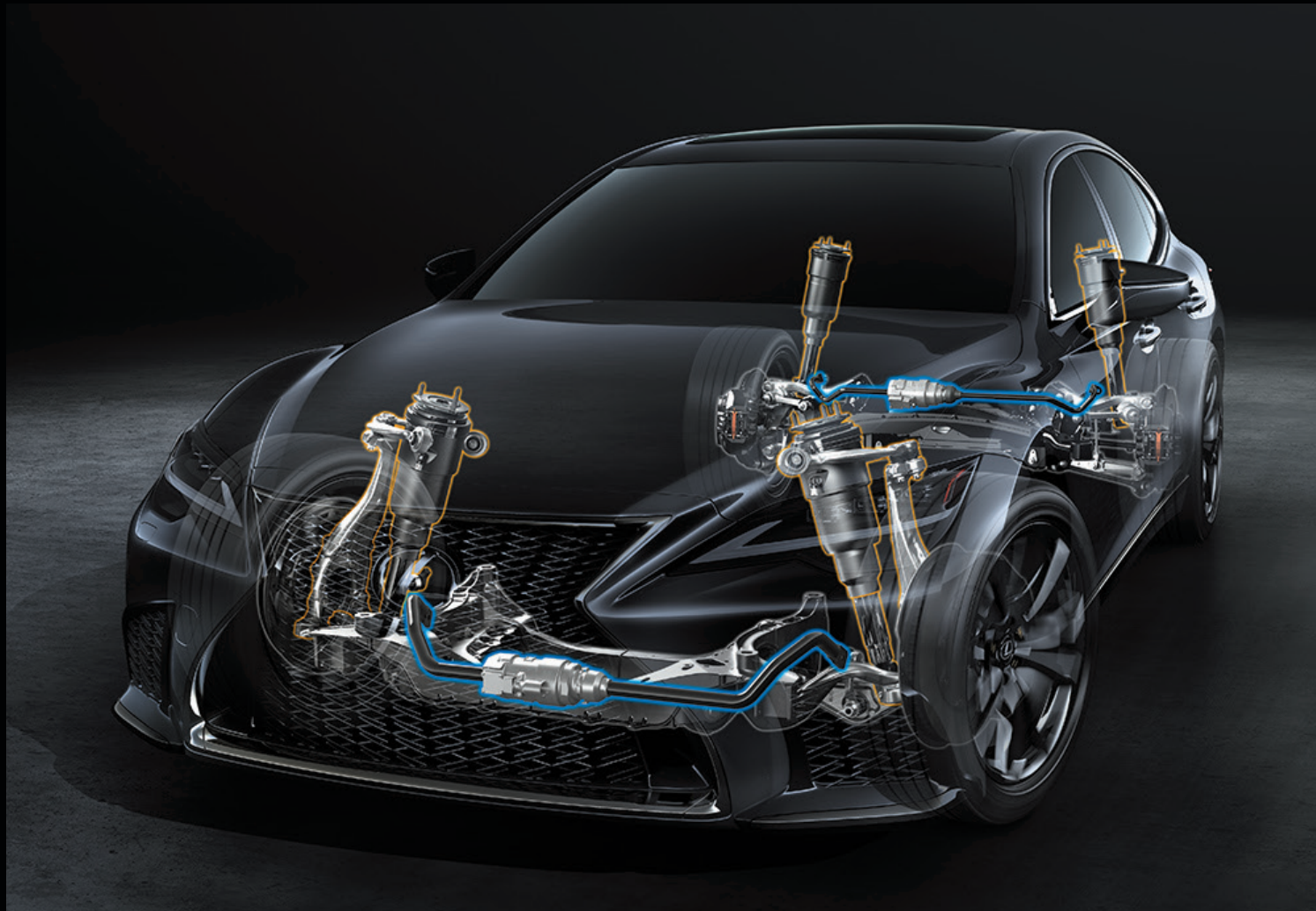
F SPORT leather/ Ultrasuede sport seats

Applying expertise gained in motorsports development, the seats incorporate protruding shoulder supports finished with Ultrasuede, a material with high friction resistance, to effectively hold the occupant. To enhance ride comfort, the front seats feature a deep-hung cover construction and a redesigned seat pad. The perforated section of the seats features the same L-shaped pattern as the spindle grille.



F SPORT TFT (Thin Film Transistor) LCD meter

The exclusive F SPORT meter evolved from the LFA's sliding meter ring. The advanced interface uses motion graphics that combine high visibility with beauty to display a range of functions that instantly communicate important information according to its priority.



VDIM (With integrated active steering control) + LDH (With active stabilizers)

VDIM and LDH help to optimize control of six types of vehicle movement, longitudinal, vertical, lateral, yaw, roll and pitch, by controlling vertical motion using active stabilizers. In normal driving conditions, integrated control of the active stabilizers and LDH suppresses yaw and roll, maintaining intuitive vehicle response, natural roll posture, and a stable posture across a wide range of speeds. At the limits, the

integrated control extends to the active stabilizers and other systems to help assist confident and comfortable driving. In Sport S+ Mode, the system delivers pleasant vehicle response, confidence-inspiring vehicle posture and a comfortable ride. In Comfort Mode, it enhances ride comfort in the rear seats.

F SPORT brakes

Exclusive F SPORT brakes featuring the Lexus logo consistently deliver stable braking performance to enable aggressive sporty driving. The combination of opposed 6-piston monoblock aluminum calipers on the front, opposed 4-piston monoblock aluminum calipers on the rear, and high-friction brake pads contributes to high rigidity and excellent fade resistance. Large, 2-piece disc rotors on the front provide stable braking while limiting thermal deformation, and contribute to reducing unsprung weight.



With active stabilizers

Control of vehicle posture in response to steering inputs

Integrated control of LDH and the active stabilizers suppresses roll during cornering and lane changes in high-speed driving. In addition, the system controls vehicle movement in the roll direction caused by road inputs to deliver stable, confidence-inspiring vehicle posture and a comfortable ride.



Without active stabilizers

TAKUMI



Our Takumi craftsmen strive for perfection in every aspect of their work, actively seeking enhancements by applying constant care and dedication to their craftsmanship, blending their craftsmen's skills with the power of technology to better anticipate the future.



» INTELLIGENCE



Note: Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area. Please inquire at your local dealer for details on the availability of features.

EXTERIOR & INTERIOR
COLORS

The LS's color design applies a refined expression of Japanese craftsmanship and the 'omotenashi' spirit of hospitality to add a grace note to an advanced and refined presence. It inspires the light and shadow of the Gin-Ei Luster exterior color, and the subtle beauty of moonlight on the sea in the Haku & Nishijin upholstery and ornamentation in the cabin.



White Nova Glass Flake <083>*1



Sonic Quartz <085>*2



Sonic Titanium <1J7>



Manganese Luster <1K2>



Sonic Iridium <1L2>



Gin-Ei Luster <1L3>



Black <212>



Graphite Black Glass Flake <223>



Red Mica Crystal Shine <3R1>



Sonic Agate <3U3>



Heat Blue Contrast Layering <8X1>*1



Deep Blue Mica <8X5>



19-inch aluminum wheels



19-inch aluminum wheels
(High grade)



20-inch aluminum wheels
(High grade)



20-inch aluminum wheels
(Premium grade)



20-inch aluminum wheels
(F SPORT package)

*1 Available on F SPORT package only. *2 Not available on F SPORT package.

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<L-ANILINE (EXECUTIVE MODEL)>



Ocher



Black

<SEMI-ANILINE LEATHER (EXECUTIVE MODEL)>



Black



Hazel



Crimson & Black (Trim: Laser Cut Special Black)

<SEMI-ANILINE LEATHER (LUXURY MODEL)>



White



Black

<SMOOTH LEATHER (F SPORT PACKAGE)>



White

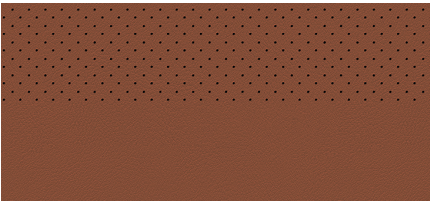


Black & White Gray



Flare Red

<L-ANILINE>



Ocher



Black

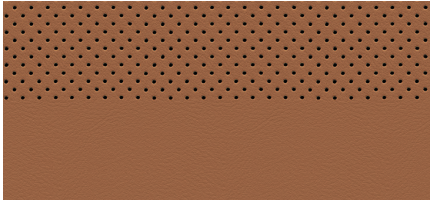
<SEMI-ANILINE LEATHER >



White

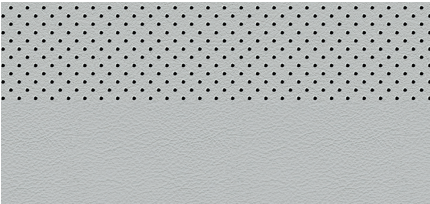


Crimson & Black/Black

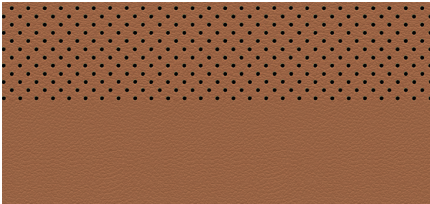


Hazel

<SMOOTH LEATHER>



Black & White



Hazel

<SMOOTH LEATHER (F SPORT PACKAGE)>



White



Black & White Gray

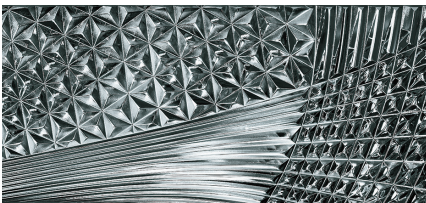


Flare Red

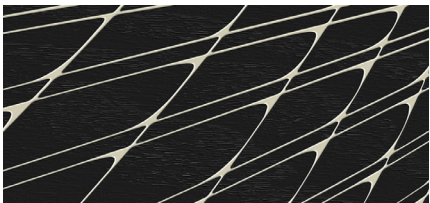
<TRIM>



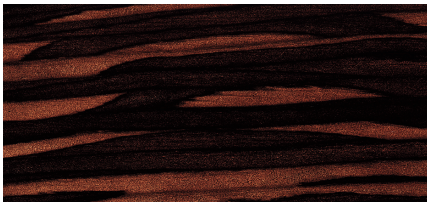
Haku



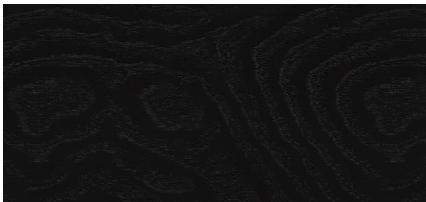
Kiriko (Cut Glass)



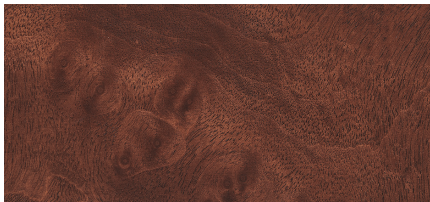
Laser Cut Special Black



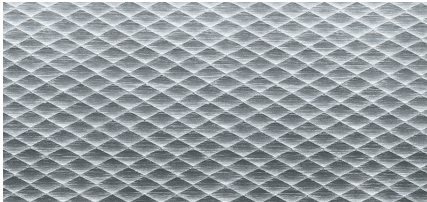
Art Wood (Organic)



Ash Burl (Open Pore)



Walnut (Open Pore)



Naguri-style Aluminum

<COLORS/SEATING MATERIALS/TRIM FOR MIDDLE EAST>

	SEATING MATERIAL/INTERIOR COLORS													
	L-Aniline (Executive model)		Semi-aniline Leather (Executive model)				Semi-aniline Leather (Luxury model)			Smooth Leather		Smooth Leather (F SPORT package)		
	Ocher	Black	White	Black	Hazel	Crimson & Black	White	Black	Hazel	Black & White	Hazel	White	Black & White Gray	Flare Red
Haku	-	-	-	●	-	-	-	-	-	-	-	-	-	-
Art Wood (Organic)	-	-	-	-	●	-	-	●	●	-	-	-	-	-
Ash Burl (Open Pore)	-	-	-	-	-	-	-	●	-	●	-	-	-	-
Walnut (Open Pore)	-	-	-	-	-	-	-	-	●	-	●	-	-	-
Kiriko (Cut Glass)	-	-	-	-	-	●	-	-	-	-	-	-	-	-
Lase Cut Special Black	●	●	●	-	-	●	●	-	-	-	-	●	●	●
Naguri-style Aluminum	-	-	-	-	-	-	-	-	-	-	-	●	●	●

● : Available combination.

Note: Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area. Please inquire at your local dealer for details on the availability of features.

MAIN FEATURES FOR MIDDLE EAST <LS500h/LS500/LS350>

EXTERIOR

- Windshield green glass; IR (Infrared Rays)-cut and UV-cut function
- Front door, rear door and rear quarter window glass; acoustic glass, IR-cut and UV-cut function
- Rear window green glass; UV-cut function
- Moonroof; power tilt/slide, one-touch mode with jam protection system
- Door mirrors; LED side turn signal lamp, auto folding, heater, interlink with reverse gear, camera, and infrared light
- Door handles; foot area illumination
- Exclusive front and rear bumpers, front grille, front fender emblems and aluminum wheels (F SPORT package)

INTERIOR

- Optitron meter
- Color TFT (Thin Film Transistor) multi-information display
- Large color head-up display
- Leather steering wheel
- Wood and leather steering wheel
- Analog clock; GPS correction function
- Power rear window sunshade
- Power rear door and rear quarter window sunshades
- Center console box
- Vanity mirrors and lamps (Front seats)
- Cupholders (Front and outboard rear seats)
- Door pockets (All doors)
- LED interior lighting system
- Auto air conditioning system; independent temperature controls for front seats, clean air filter with pollen and odor removal function
- Auto air conditioning system; 4-zone independent temperature controls, clean air filter with pollen and odor removal function (Front and outboard rear seats)
- Lexus Climate Concierge
- nanoe X
- Rear cooler
- Exclusive front seats, steering wheel, shift lever, aluminum pedals, analog clock and meter (F SPORT package)

OPERATION

- Power tilt and telescopic steering column; auto-away/auto-return function
- Steering wheel control switches
- Drive mode select with Custom Mode
- Position memory switches (Front seats); 3-memory
- Cruise Control
- Smart Entry & Start System
- Parking Assist Monitor
- Panoramic View Monitor
- Lexus parking assist-sensor
- Power trunk lid; kick motion sensor

NAVIGATION AND AUDIO

- Lexus Navigation System
- 12.3-inch EMV (Electro Multi-Vision) touch display; Remote Touch Interface, Apple CarPlay and Android Auto compatible
- Lexus LS Premium Sound System; AM/FM radio, in-dash DVD player, 12 speakers, MP3 and WMA (Windows Media Audio) play compatible, DSP (Digital Signal Processor), ASL (Automatic Sound Levelizer)
- Mark Levinson QLI (Quantum Logic Immersion) Reference Surround Sound System; AM/FM radio, in-dash DVD player, 23 speakers, MP3 and WMA play compatible, DSP, ASL, Clari-Fi

- Rear seat entertainment system; 11.6-inch IPS (In-Plane-Switching)-LCD displays, HDMI jack, microSD or microSDHC card, 2 headphone jacks, wireless remote control, Blu-ray Disc player, Miracast
- Bluetooth function; hands-free calling, wireless connection with AV-profile compliant player
- 2 USB ports/mini-jack

SEATS

- 28-way power front seats
- Refresh seats (Front seats)
- Power easy access system (Front seats)
- Seat heater (Front and outboard rear seats)
- Ventilated Seats (Front and outboard rear seats)
- 22-way power rear seat (Behind the front passenger’s seat)
- Ottoman with expansion mechanism (Rear seat behind the front passenger’s seat)
- Relaxation seats (Outboard rear seats)

SAFETY

- Lexus Safety System +A <LTA (Lane Tracing Assist), Dynamic Radar Cruise Control, Pre-Collision System; Pre-Collision System with Pedestrian Alert, Pre-Collision System with Active Steering Assist, FCTA (Front Cross Traffic Alert), AHS (Adaptive High-beam System) or AHB (Automatic High Beam)>
- Lexus Safety System + <LTA, Dynamic Radar Cruise Control, Pre-Collision System, AHS or AHB>
- Advanced Park
- VDIM (Vehicle Dynamics Integrated Management)
- LDH (Lexus Dynamic Handling system)
- Blind Spot Monitor System
- PKSA (Parking Support Alert)
- Drive-start Control
- TRC (Traction Control System)
- VSC (Vehicle Stability Control)
- ABS (Anti-lock Brake System) with EBD (Electronic Brake force Distribution)
- Brake Assist system
- Hill-start Assist Control
- 3-eye Bi-Beam LED headlamps; auto-leveling system
- LED sequential turn signal lamps
- LED DRL (Daytime Running Lamp)
- LED cornering lamps
- LED rear fog lamps
- Automatic anti-glare mirrors (Interior and door mirrors)
- Digital Rear-view Mirror
- Dual-stage SRS (Supplemental Restraint System) airbags (Front seats)
- SRS knee airbags (Front seats)
- SRS side airbags (Front and outboard rear seats)
- SRS curtain shield airbags (Front and rear door windows)
- SRS seat cushion airbags (Outboard power rear seats)
- 3-point ELR seatbelts (All seats)
- Pretensioners and force limiters (Front and outboard rear seats)
- Anchor bars for fixing ISOFIX-compliant child seat (Outboard rear seats)
- CRS (Child Restraint System) top tether anchors (Outboard rear seats)
- Security system; alarm, immobilizer system
- AL-TPWS (Auto Location-Tire Pressure Warning System)
- Rear seat reminder
- 4-point pop-up hood

SPECIFICATIONS FOR MIDDLE EAST <LS500h/LS500/LS350>

DIMENSIONS & WEIGHT

Overall length:	5235mm
Overall width:	1900mm
Overall height:	1450mm (With air suspension), 1460mm (With coil suspension)
Wheelbase:	3125mm
Tread: Front	1630mm
Rear	1635mm, 1615mm*1
Curb weight:	2180-2340kg <LS500h>, 2120-2275kg <LS500>, 2025-2205kg <LS350>
Gross vehicle weight:	2725kg <LS500h>, 2670kg <LS500>, 2585kg <LS350>
CHASSIS	
Suspension (Front/Rear):	Multi-link type, air springs, gas-filled shock absorbers, stabilizer bar
Steering system:	Rack and pinion with electric power assist. EPS (Electric Power Steering)
Brakes*2: Front	357mm <LS500h/LS350>, 400mm <LS500h F SPORT/LS500> ventilated discs
Rear	335mm <LS500h/LS350>, 359mm <LS500h F SPORT/LS500> ventilated discs
Minimum turning radius (Tires):	5.7m, 5.6m*3
Fuel tank capacity:	82 liters
Tires: Front	245/50RF19, 245/45RF20
Rear	245/50RF19, 245/45RF20, 275/40RF20*1

ENGINE <LS500h>

Type:	3.5-liter V6 Four Cam 24-valve (8GR-FXS, unleaded)
Piston displacement:	3456cc
Max. output:	220kW/6600rpm (EEC net)
Max. torque:	350Nm/5100rpm (EEC net)
Fuel system:	D-4S (Direct injection 4 stroke gasoline engine Superior version)

ENGINE <LS500>

Type:	3.5-liter V6 Four Cam 24-valve, twin turbochargers (V35A-FTS, unleaded)
Piston displacement:	3445cc
Max. output:	310kW/6000rpm (EEC net)
Max. torque:	600Nm/1600-4800rpm (EEC net)
Fuel system:	D-4ST (Direct injection 4 stroke gasoline engine Superior version with Turbo)

ENGINE <LS350>

Type:	3.5-liter V6 Four Cam 24-valve (8GR-FKS, unleaded)
Piston displacement:	3456cc
Max. output:	232kW/6600rpm (EEC net)
Max. torque:	380Nm/4800-4900rpm (EEC net)
Fuel system:	D-4S (Direct injection 4 stroke gasoline engine Superior version)

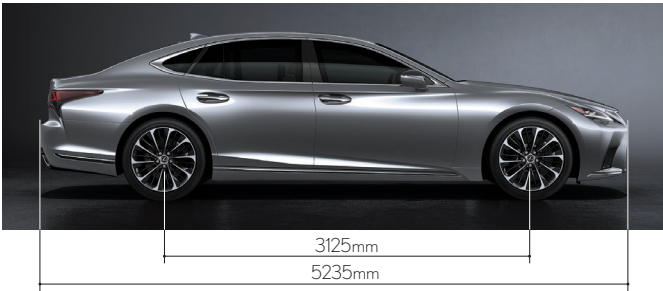
MOTOR <LS500h>

Type:	Permanent magnet motor (2NM)
Max. output:	132kW
Max. torque:	300Nm
Total system output:	264kW*4

BATTERY <LS500h>

Type:	Lithium ion
Modules:	84
Connection method:	Series
Capacity:	3.6Ah

*1 F SPORT package.
*2 The brake system is designed for high loads. Therefore, certain speeds, braking forces, and ambient conditions such as temperature and humidity may cause brake noise.
*3 All Wheel Drive.
*4 Total system output from the engine and electric motor (using the battery), based on in-house measurements.



- Addition of extra features may change figures in this chart.
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- Vehicle body color might differ slightly from the printed photos in this catalog.