

LS

LS500h / LS500 / LS350







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

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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.





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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.



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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.



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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.



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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. Rear braces joining the roof side inner and lower back contribute to a precise steering feel, enhancing steering response.



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. Enhancing the rigidity of the braces connecting the rear suspension member and body further contributes to the excellent driving stability and ride comfort.*



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.

* AVS: Adaptive Variable Suspension.

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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)

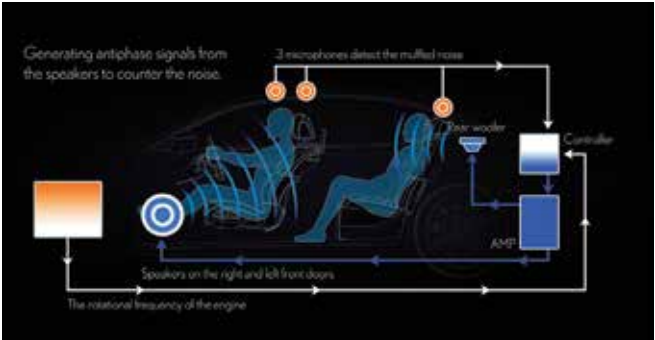
The hybrid system's V6 engine integrates advanced technologies that include Dual VVT-i and D-4S fuel injection system to generate both powerful driving and outstanding environmental performance. Analysis of big data on 'everyday acceleration' inspired fine-tuning of drive force control to enhance response 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.



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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 front of the mirror visor to eliminate the gap between the mirror body and camera cover for the integrated parking camera and infrared projector, and the space between the mirror and front pillar, help to minimize wind noise and the impact on aerodynamic performance.



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 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.



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. 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.



Heater and ventilation switches/console box

Switches for the seat heaters, heated steering wheel, seat ventilation and rear sunshade are integrated into the upper console, enabling easy operation while maintaining a relaxed driving posture. Integrated AUTO indicators illuminate when AUTO functions are activated, for quick recognition of operational status. The convex shape of the heater switches enables easy, intuitive operation. The concave shape of the center console box lid lets you store a smartphone inside without opening the lid. The depth of the storage space was carefully designed for both smooth shift lever operation and easy access to the smartphone. A wireless charger is available in the storage space, enhancing convenience.



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.

Mark Levinson QLI Reference Surround Sound System

The LS's 16-channel 3D surround sound system drives 23 speakers. Applying the PurePlay concept, seven 10cm Unity speakers are located at the same height around the cabin, bringing the speakers closer to the ears to enable a dynamic 3D sound stage. Together with ceiling speakers and QLI (Quantum Logic Immersion) surround technology, they 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. In addition, the use of Clari-Fi compressed sound source restoration technology complements lost data components to restore natural vocals and stereo ambience, to play music as close to the original as possible.



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.



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

When Lexus Climate Concierge is set to On, with one touch of AUTO in the air conditioning panel it 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



Lexus is continuously developing safety technologies with one goal: Zero fatalities and injuries from traffic accidents. To get closer to realizing this goal, the LS incorporates Lexus Safety System+. By expanding and evolving each function and adding new systems, we aim to prevent traffic accidents, further reduce traffic fatalities, and reduce the burden on the driver.



» INTELLIGENCE





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LEXUS SAFETY SYSTEM +



Driver Monitor

<When the system detects distracted, poor posture, etc.>

A display message and buzzer are used to alert the driver.

<Driver Monitor Linking functions>

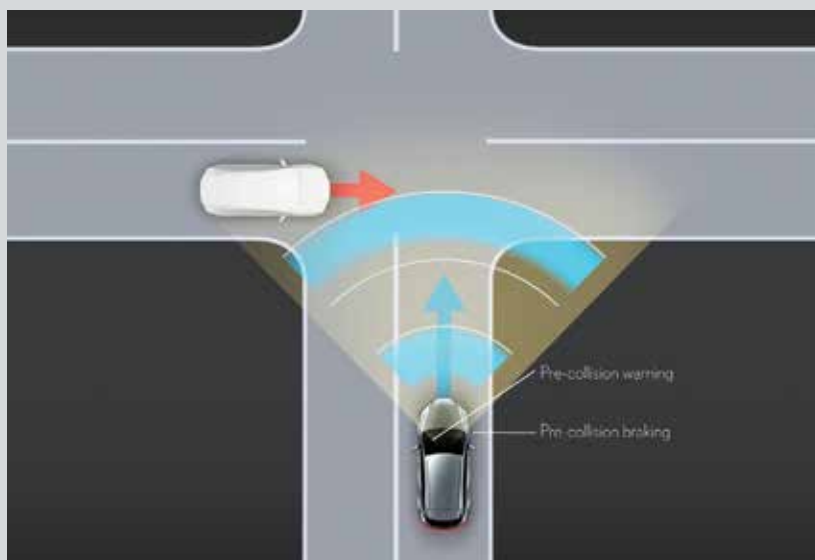
Pre-Collision System
Dynamic Radar Cruise Control
LDA (Lane Departure Alert)
Emergency Driving Stop System

Driver Monitor

If the system judges the driver's state is inappropriate (distracted, poor posture, etc.), alerts and notifications are issued. In addition to detecting the face direction and eyes open/closed state, the driver's sight line is also detected, allowing detection of distracted driving states which cannot be judged solely from the face direction (facing forwards with sight line lowered looking at cell phone, etc.).

Pre-Collision System

When the millimeter-wave radar and monocular camera sensors detect a vehicle, pedestrian, bicyclist or motorcycle^{*1} ahead and determine that a collision is likely, it alerts the driver with a buzzer and on the display. If the driver activates the brakes, pre-collision brake assist supplements the force being applied to the pedal. If the driver cannot depress the brake pedal, the system automatically activates pre-collision braking to help avoid a collision or mitigate the impact force. If the system determines there is a high possibility of a frontal collision with an oncoming vehicle^{*2}, it alerts the driver and activates the brakes to help mitigate injury to people and damage to the vehicle.



1. Intersection Assistance (Crossing Vehicle)

In addition to the normal Pre-Collision System operating range, the system also supports collision avoidance with vehicles and motorcycles crossing at intersections. If the system determines that a collision is likely, it alerts the driver and activates the brakes to help mitigate damage.^{*3}

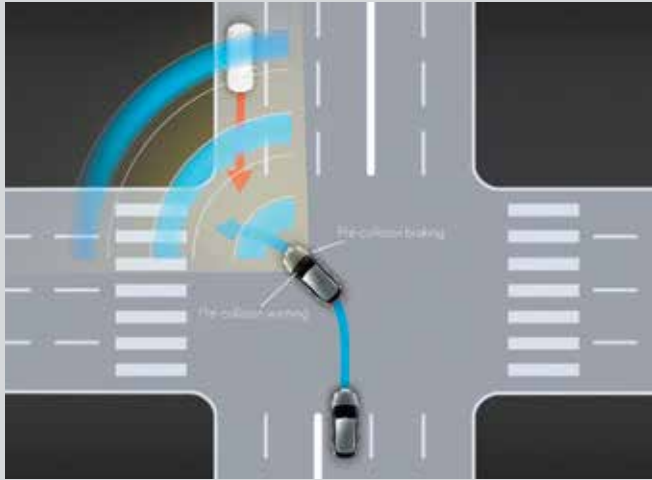
^{*1} Pedestrian, bicyclist and motorcycle detection is not available in some markets. Please inquire at your local dealer for details.

^{*2} Covers frontal collisions and collisions with oncoming vehicles deviating from their lane. Pre-collision Brake Assist does not operate.

^{*3} Depending on the intersection configuration, the system may not provide the required support. Pre-collision Brake Assist does not operate.

^{*4} The system may not operate if it determines there is insufficient evasion space or an obstacle within the evasion space, or objects with a certain lateral speed such as pedestrians crossing.

^{*5} This function is not an alternative for the Parking Support Brake.

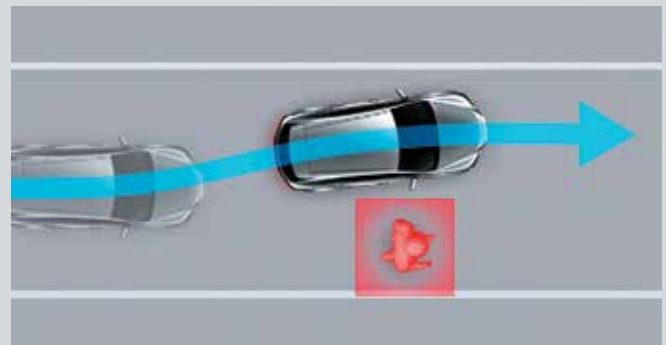


2. Intersection Assistance (Right/Left Turn)

When turning right or left at an intersection, if the millimeter-wave radar and monocular camera sensors detect an oncoming vehicle (in up to 2 adjacent lanes) going straight when turning right or left, or pedestrians and bicyclists crossing from the opposite direction, it alerts the driver and activates the brakes to help avoid a collision and mitigate damage.*³

3. Emergency Steering Assist

If the Emergency Steering Assist system detects a collision with a vehicle, motorcycle, 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. In addition, even if the driver doesn't move the steering wheel, an optional active steering function supports collision avoidance by steering the vehicle within its lane while gently braking.*⁴



4. 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 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.

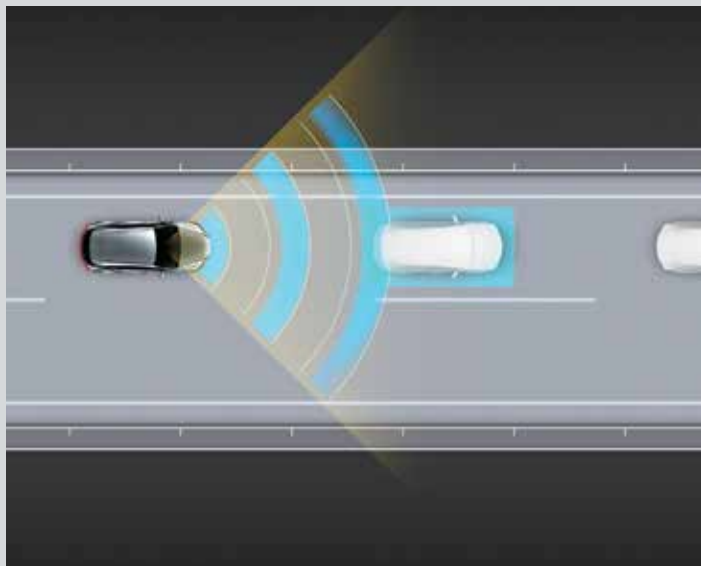
5. Acceleration Suppression at Low Speed

The millimeter-wave radar and monocular camera sensors detect pedestrians, bicyclists, and vehicles in front of the vehicle. If the accelerator is depressed strongly while the vehicle is stopped or traveling slowly with an object in front, the system limits acceleration by reducing engine output or low G braking to help avoid a collision or mitigate damage. In addition, when a collision is avoided and the vehicle stops, braking force is maintained until the driver operates the accelerator or brake.*⁵

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LEXUS SAFETY SYSTEM +

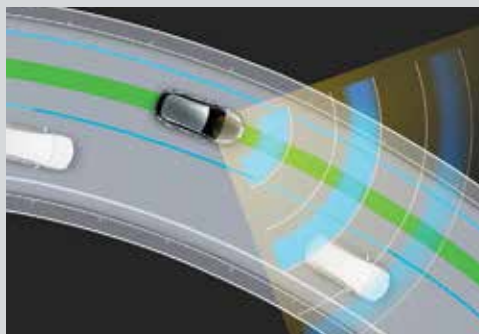


Dynamic Radar Cruise Control (With full speed range)

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. When the driver operates the turn signal lamp at approximately 80km/h or over, preliminary acceleration is applied when following a preceding vehicle that is travelling slower than the preset vehicle speed, or preliminary deceleration is applied when changing lanes into a lane where there is a preceding vehicle that is travelling slower than the preset vehicle speed, helping smooth overtaking and lane change. 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 driver convenience.

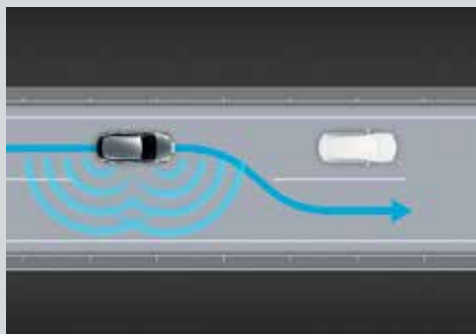
RSA (Road Sign Assist)

To help support safe driving, RSA uses the monocular camera to detect road signs such as speed limit signs, and displays them on the multi-information display and Head-up Display. While a speed limit sign is displayed, RSA notifies the driver if the vehicle speed exceeds "the displayed speed limit + the specified threshold value".^{*1}



LTA (Lane Tracing Assist)

When driving on expressways or automobile-only roads with lane lines using Dynamic Radar Cruise Control, the system helps assist the steering operation required to keep the vehicle in its lane. Enhanced recognition and control performance enable assistance on gentle curves, smoothly keeping the vehicle in the center of its lane with minimal swaying.



LCA (Lane Change Assist)

While driving on highways and automobile-only roads with LTA activated, LCA activates when the driver operates the turn signal lever to assist steering operations to change lanes and monitoring vehicles in the target lane. After the lane change is completed, the turn signal lamp automatically turns off.

BladeScan AHS (Adaptive High-beam System)

BladeScan AHS reflects LED light onto a blade mirror rotating at high speed to smoothly illuminate the road ahead with its residual image, significantly enhancing visibility at night. The LEDs switch on and off in synchronization with the rotating mirrors, to finely adjust illuminated and shaded areas, distributing light to enable quick recognition of distant pedestrians, road shoulders, signs, and other objects. It also reduces the stress of driving at night by partially blocking high beams so they do not dazzle oncoming and preceding vehicles, contributing to safe driving.^{*2}

AHB (Automatic High Beam)

Automatic High Beam, which automatically turns the high beam lamps off if another vehicle is detected and automatically turns the high beam lamps on once the vehicle is gone, has been adopted.

Emergency Driving Stop System

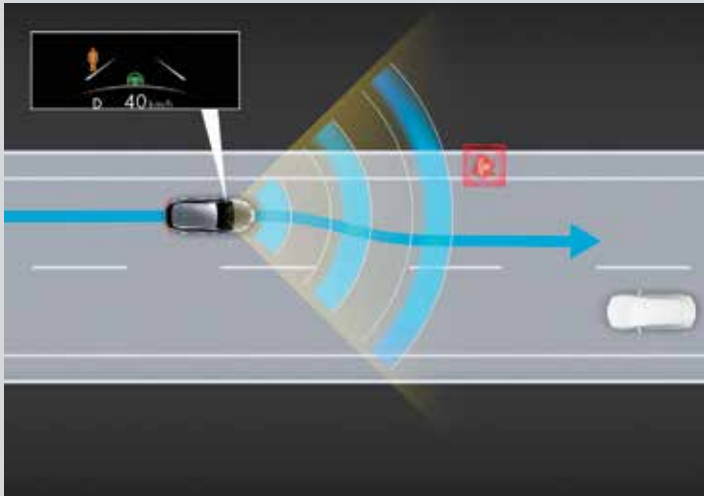
If the driver becomes unable to operate the vehicle while LTA is activated, for example due to sudden illness, the system slows the vehicle to a stop within the lane while warning others in the area to reduce the risk of causing an accident resulting in damage to the driver and/or other parties.

^{*1} Recognized road signs vary by country and system specs.

^{*2} The system may not operate depending on road, vehicle, weather, and other conditions.

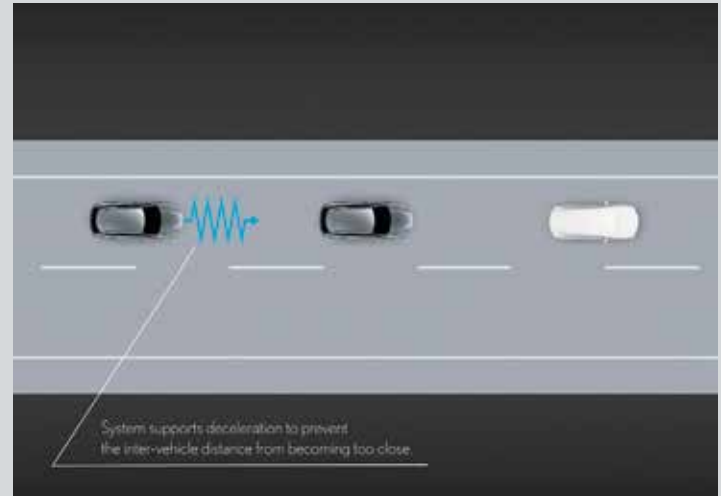
PDA (Proactive Driving Assist)

PDA discreetly and gently supports driving in situations such as on general roads, contributing to the driver's peace of mind. It provides the following support to enable appropriate driving operations; steering/deceleration support in response to pedestrians/bicyclists/parked vehicles, deceleration support in response to preceding vehicles/corners, and steering assist.



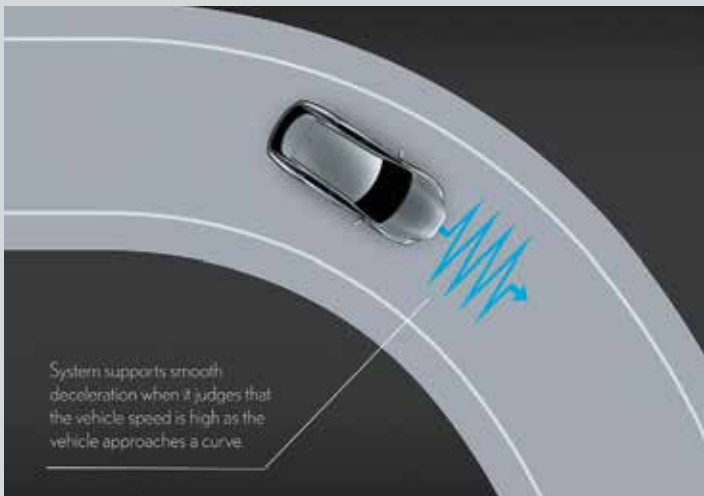
PDA (Steering/deceleration support in response to pedestrians/bicyclists/parked vehicles)

The system provides earlier detection of pedestrians, bicyclists and parked vehicles and assists steering and braking to keep a safe distance, to help reduce the risk of accidents.



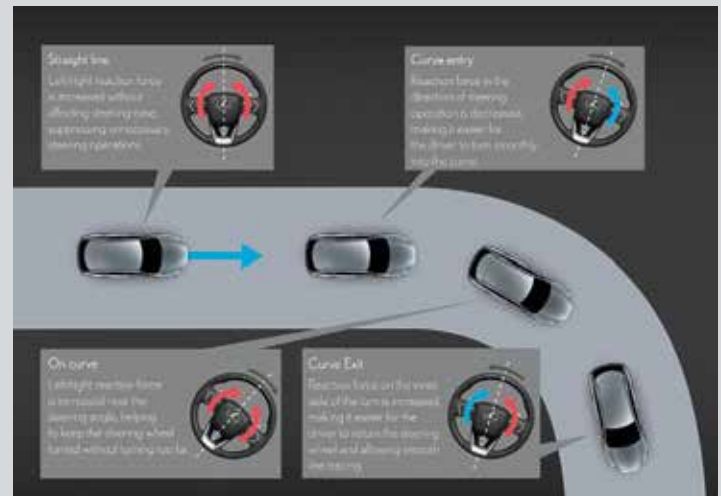
PDA (Deceleration support in response to preceding vehicles)

When the system detects a preceding vehicle or adjacent vehicle cutting-in, it activates to gradually slow the vehicle so it doesn't get too close to preceding vehicles when the driver releases the accelerator.



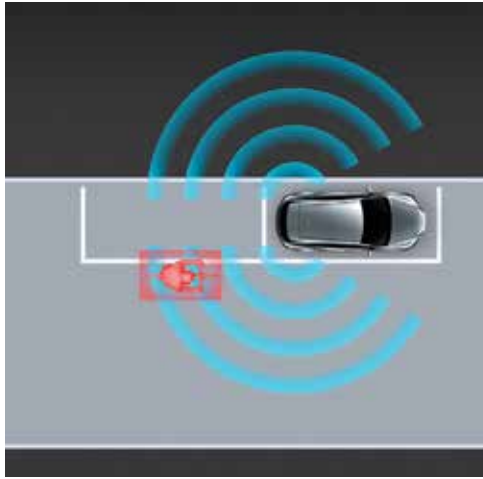
PDA (Deceleration support in response to curves)

When the system determines the vehicle is traveling too fast to go through an upcoming curve safely, it gradually brakes the vehicle once the driver releases the accelerator.



PDA (Steering assist)

The system varies steering force in response to differences between the road geometry and driver operation, providing subtle and natural assistance to support smooth steering.



SEA (Safe Exit Assist)

SEA uses the BSM (Blind Spot Monitor) to detect vehicles (including bicycles) approaching from the rear when exiting the vehicle. If SEA determines a collision with an opened door or exiting occupants is a possibility, an indicator in the door mirror lights up to alert occupants. If the door is opened in a situation where there is a possibility of a collision, or the possibility of a collision occurs while the door is open, occupants are alerted by flashing indicator in the door mirror, multi-information display indicator, buzzer, and voice notification.

BSM

During lane changes, the BSM uses rear lateral side millimeter-wave radar to detect vehicles present in the blind spots (areas in adjacent lanes that cannot be seen using the outer mirrors), and alerts the driver using an indicator in the outer mirror and a buzzer.

Secondary Collision Brake (Rear impacts while stopped)

If the BSM rear side millimeter-wave radars detect a vehicle approaching from the rear while stopped, and the system determines the possibility of a rear-end collision is high, it activates the brakes to reduce the vehicle speed in the event of a rear-end collision, helping avoid or mitigate damage due to a secondary collision with a preceding vehicle, crossing pedestrians or roadside objects.



PKSB (Parking Support Brake)

While the vehicle is travelling at a low speed, if there is a possibility of contact with a static object around the vehicle, a vehicle or a pedestrian approaching from the rear^{*1}, the system applies drive force control and brake control. Detection covers a wide area surrounding the vehicle, helping to avoid minor collisions and reduce damage.

Lexus Teammate Advanced Park

Combining information from cameras and ultrasonic sensors that monitor the vehicle's surroundings, Advanced Park supports appropriate recognition and parking in open parking spots. In addition to automatically controlling steering, accelerating, braking and shift changes, it provides smooth parking by continuously displaying a bird's-eye view of blind spots and the target car park location.

Parking operation starts smoothly once the driver stops next to the parking space, presses the main switch, checks the vehicle's surroundings and the parking space, and presses the start switch on the display. Information about the vehicle's surroundings is communicated to the driver in an easy-to-understand manner, showing the locations of obstacles on the display. If there is the possibility of hitting an obstacle, it alerts the driver and helps avoid it by applying brake control.

Advanced Park remote control function

Advanced Park is available with a remote control function that enables parking/exiting in a parking space using a dedicated app on your smartphone from outside the vehicle^{*2}. The remote control function supports parking/exiting in both parallel and perpendicular parking spaces. In addition, it can move the car backwards or forwards, for example to allow access to the luggage compartment, and easy ingress and egress when parking in unfamiliar and narrow spaces. Designed for ease of use with quick smartphone operation, it starts promptly to eliminate the need to wait.^{*2}

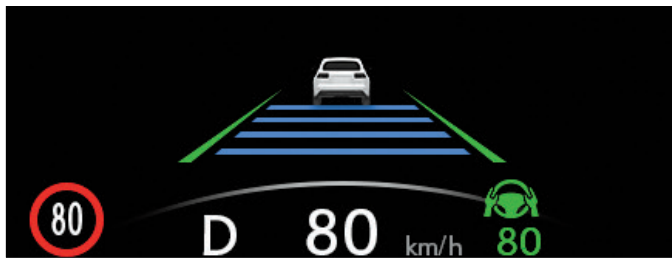


Advanced Park 6 functions

- perpendicular parking (reverse) - perpendicular parking (forward)
- perpendicular exiting (reverse) - perpendicular exiting (forward)
- parallel parking - parallel exiting

^{*1} Detection of stationary objects around the vehicle, vehicles and pedestrians approaching from behind while reversing is not available in some markets.

^{*2} Smartphone operation requires the driver to have an Electronic Key.



Head-up display

A color Head-up Display projects key driving information in the driver's field of view on the bottom of the windshield glass. Three display modes are provided to enhance driving enjoyment, while maintaining an ample field of view for checking road conditions around the vehicle.



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.^{*4} 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. Underfloor See-through View: Shows the position of the wheels, helping assist parking and driving on narrow roads.^{*4}



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.^{*5}



Digital Rear-view Mirror

The Digital Rear-view Mirror helps assist safe driving by showing high-resolution, real-time images from the backup camera, to provide a wider field of view, 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.^{*3} The digital auto-dimming mode helps reduce glare from the headlamps of following vehicles and prevent the screen from being unclear.



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.

^{*3} 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.

^{*4} Pedestrians, obstacles and other objects may appear different when displayed on the screen. Be sure to visually check your surroundings before you proceed.

^{*5} 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. 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





EXTERIOR & DRIVING ABILITY



A_Exclusive spindle and side grilles (Mesh type) / B_Exclusive 20-inch wheels (Super gloss black metallic) and black brake calipers / C_Exclusive rear bumper lower garnish and side garnish / D_Exclusive emblem (Front fender)

VDIM (Vehicle Dynamics Integrated Management)

VDIM integrates control of engine, braking, steering and other functions, including EPS (Electric Power Steering) and DRS (Dynamic Rear Steering), as a single system, to provide a high level of active safety together with driving pleasure.

DRS

DRS with an enlarged rear wheel turning angle steers the rear wheels in the same or opposite direction as the front wheels, depending on vehicle speeds. At low speed, the system provides excellent turning and maneuverability during cornering. It also provides exhilarating cornering at mid speed as intended by the driver and a high level of vehicle stability in high-speed range. When the 'Comfort' drive mode is selected, the system provides rear seat roll suppression control in cooperation with AVS, which contributes to reduce rocking of the occupants, enhancing ride comfort.



F SPORT brakes

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

INTERIOR



E_Exclusive leather/Ultasuede sport seats / F_Exclusive full-graphic TFT meter / G_Exclusive dimpled leather steering wheel / H_Exclusive dimpled leather shift knob / I_Exclusive analog clock / J_Exclusive aluminum sport pedals and footrest / K_Exclusive Naguri-style aluminum ornamentation



F SPORT leather/Ultasuede sport seats

Applying expertise gained in motorsports development, the seats incorporate protruding shoulder supports finished with Ultasuede, 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 full-graphic TFT (Thin Film Transistor) meter

The full-graphic TFT meter for F SPORT includes the exclusive layout featuring a racecar meter motif, enhancing the driving performance image.

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.

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 Titanium <1J7>



Manganese Luster <1K2>



Sonic Iridium <1L2>



Gin-Ei Luster <1L3>



Graphite Black Glass Flake <223>



Sonic Agate <3U3>



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.

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.

<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

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.

<L-ANILINE>



Ocher



Black

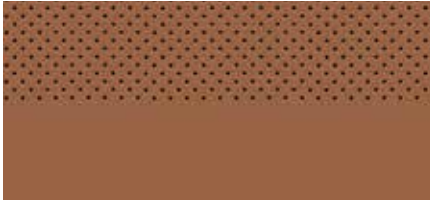
<SEMI-ANILINE LEATHER >



White



Crimson & Black/Black



Hazel

<SMOOTH LEATHER>



Black & White



Hazel

<SMOOTH LEATHER (F SPORT PACKAGE)>



White



Black & White Gray



Flare Red

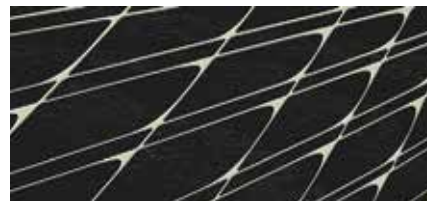
<TRIM>



Haku



Kiriko (Cut Glass)



Laser Cut Special Black



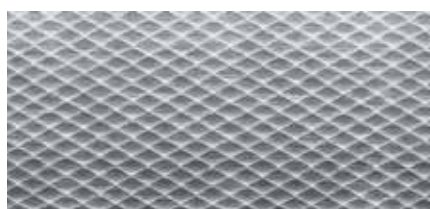
Art Wood (Organic)



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

- 12.3-inch full graphic TFT meter (Except vehicle equipped with 8GR-FKS engine)
- 8-inch TFT meter (Vehicle equipped with 8GR-FKS engine)
- 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
- Wireless charger
- 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
- nanoeX
- 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
- Hands-free power trunk lid

NAVIGATION AND AUDIO

- Lexus Navigation System
- 12.3-inch EMV (Electro Multi-Vision) touch display; Apple CarPlay and Android Auto compatible
- Lexus LS Premium Sound System; AM/FM radio, 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, 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
- USB ports; 2 Type C (Instrument panel), 1 Type A and 1 Type C (Front console box), 2 Type C (Rear center armrest)

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 + <Pre-Collision System, Dynamic Radar Cruise Control, LTA (Lane Tracing Assist), LDA (Lane Departure Alert), AHS (Adaptive High-beam System) or AHB (Automatic High Beam)> (Except vehicle equipped with 8GR-FKS engine)
- Lexus Safety System + <Pre-Collision System, Dynamic Radar Cruise Control, LTA, LDA, AHB> (Vehicle equipped with 8GR-FKS engine)
- Advanced Park
- SEA (Safe Exit Assist)
- BSM (Blind Spot Monitor)
- VDIM (Vehicle Dynamics Integrated Management)
- PKSB (Parking Support Brake)
- 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:	5,235mm
Overall width:	1,900mm
Overall height:	1,450mm (With air suspension), 1,460mm (With coil suspension)
Wheelbase:	3,125mm
Tread: Front	1,630mm
Rear	1,635mm, 1,615mm* ¹
Curb weight:	2,180-2,330kg <LS500h>, 2120-2265kg <LS500>, 2,025-2,060kg <LS350>
Gross vehicle weight:	2,725kg <LS500h>, 2,670kg <LS500>, 2,585kg <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:	3,456cc
Max. output:	220kW/6,600rpm (EEC net)
Max. torque:	350Nm/5,100rpm (EEC net)
Fuel system:	D-4S (Direct injection 4 stroke gasoline engine Superior version)

ENGINE <LS500>

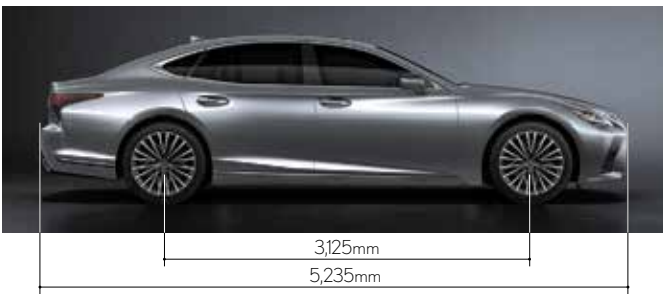
Type:	3.5-liter V6 Four Cam 24-valve, twin turbochargers (V35A-FTS, unleaded)
Piston displacement:	3,445cc
Max. output:	310kW/6,000rpm (EEC net)
Max. torque:	600Nm/1,600-4,800rpm (EEC net)
Fuel system:	D-4ST (Direct injection 4 stroke gasoline engine Superior version with Turbo)

ENGINE <LS350>

Type:	3.5-liter V6 Four Cam 24-valve (8GR-FKS, unleaded)
Piston displacement:	3,456cc
Max. output:	232kW/6,600rpm (EEC net)
Max. torque:	380Nm/4,800-4,900rpm (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



*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 Vehicle equipped with Dynamic Rear Steering.
*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.
- Toyota Motor Corporation reserves the right to alter any details of specifications and equipment without notice.
Details of specifications and equipment are also subject to change to suit local conditions and requirements.
Please inquire at your local dealer for details of any such changes that might be required for your area.
Note: Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area.
- Vehicle body color might differ slightly from the printed photos in this catalog.

