



RX

RX500h / RX350h / RX350







*Always Moving You
When was the last time you were moved?
Felt the joy of moving
Do you remember how it feels
Some feelings we will never forget*



Driving Signature



Driving Signature

Further evolving the 'Lexus Driving Signature' by meticulously honing performance fundamentals



The Lexus Driving Signature involves a driving experience that provides an exhilarating feeling of seamless acceleration, steering, and braking according to all driving situations and aims for linear response faithful to the driver's intentions. In the RX, it was evolved by carefully refining vehicle fundamentals including the center of gravity, inertia properties, weight reduction, and chassis rigidity. At the same time, a sharp focus was applied to enhancing the refined ride quality and quietness that are Lexus hallmarks.

Built on an enhanced GA-K platform, the center of gravity was lowered by 15mm by reducing vehicle weight and lowering the floor, the wheelbase is 60mm longer and the tread 15mm wider in the front and 45mm in the rear, resulting in a balanced package with reduced yaw inertia moment. In addition, basic SUV functionality including access and space has been enhanced to create a comfortable and roomy interior with a high quality feel.

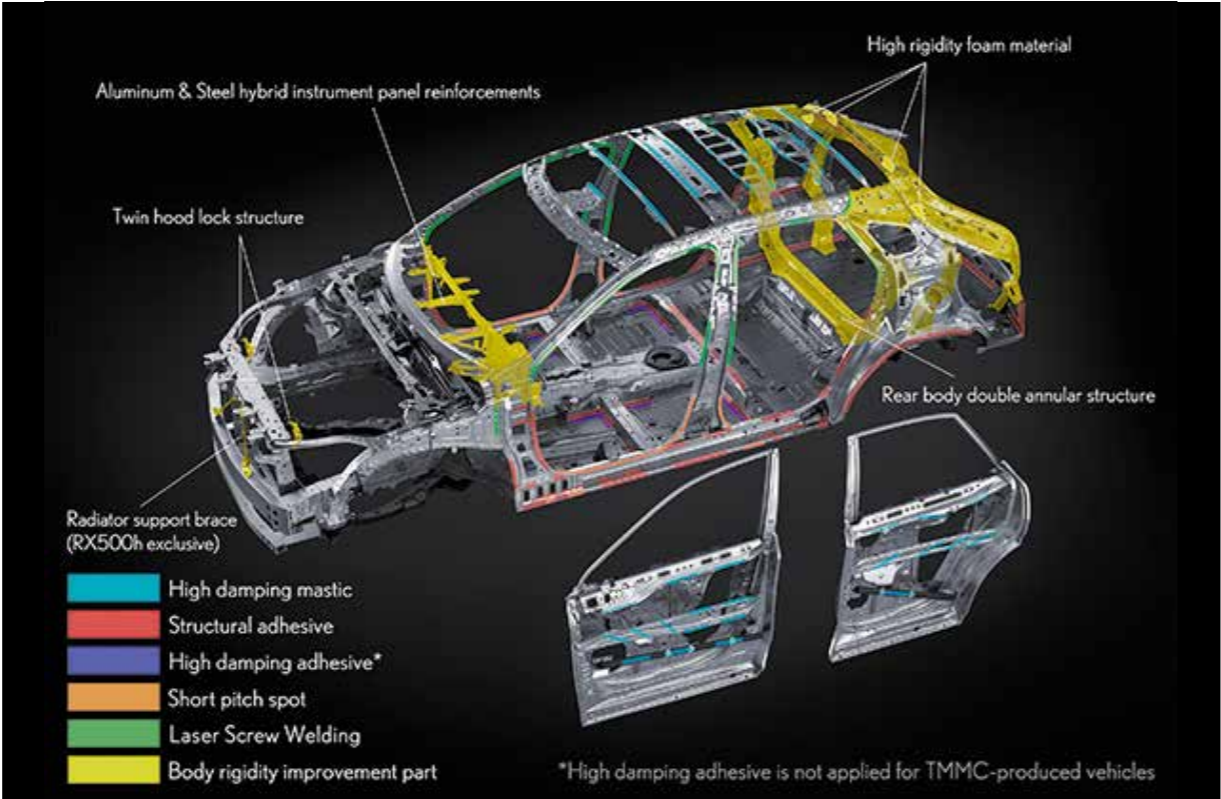
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Driving Signature



Suspension/shock absorbers

The MacPherson strut front suspension and multi-link rear suspension efficiently transmit drive force to the road surface, while enabling a smooth change in vehicle posture. Furthermore, changes in vehicle posture during start-up and acceleration, as well as vibration while driving were suppressed by optimizing the positioning of the shock absorber and bushing characteristics of the suspension member mount. The shock absorbers use swing valves to help dampen force from very low speed ranges. Linear solenoid-type AVS provides excellent dampening force response, enhancing linear driving performance and refining ride comfort at a high level. Adopting a hub bolt fastening construction enhances high axle rigidity and reduces unsprung weight, contributing to a crisp steering feel with clear feedback and high-quality ride comfort.

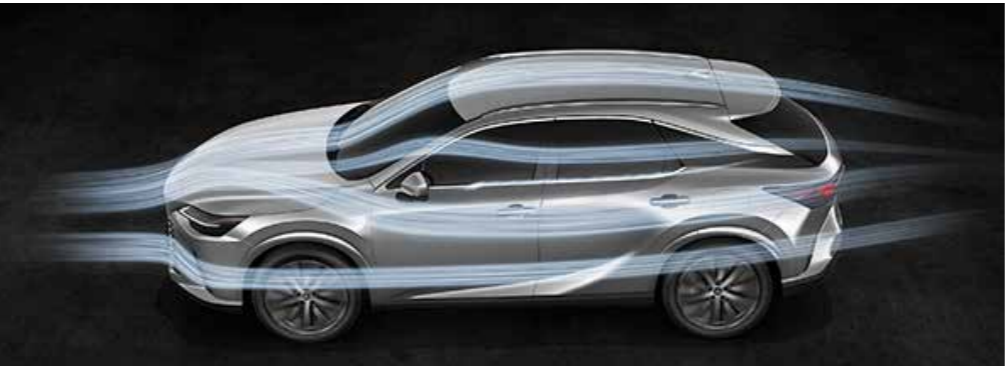


Body rigidity

The rear section of the GA-K platform was specifically designed to accommodate the multi-link suspension. A rigid high-torsion rear body frame is used to firmly support suspension input during acceleration, deceleration and cornering. High-rigidity foam optimally positioned around the back door opening provides effective reinforcement while enabling a lightweight and highly rigid body. In addition, the mounting points for the rear suspension and the rear suspension member have been significantly reinforced. Short pitch welding, LSW (Laser Screw Welding) and structural adhesives were used to further boost joint strength. The use of highly-rigid, die-cast aluminum for the steering support heightens linear steering response, and a twin-hood lock structure uses the hood to reinforce rigidity, contributing to excellent front lateral flexural rigidity and exhilarating driving performance.

Quietness

The next-generation RX pursues a balanced sense of quietness where no particular sound stands out, and is not affected by changes in the road surface or surrounding environments. Refinements include modifying the weather strip and glass run strip on the front and rear doors to enhance door sealing, a twin-lock structure to suppress engine hood vibration, and high sound insulation front door glass. The high body rigidity enabled by the multi-link suspension and optimizing the frame setup further enhances quietness. Road noise was reduced by optimizing placement of sound-absorbing materials, and using high-dampening adhesives and materials in each panel. In addition, the shape of the front pillar and cowl louver were optimized to regulate airflow and reduce wind noise. High-damping mastic is used on the roof and side door panels, which have a large surface area that can transmit road noise, to mitigate stress from noise due to changes in the road surface.



Aerodynamic performance

Aerodynamic design optimizes airflow around the front, reducing the Cd (Coefficient of drag) value while providing excellent brake cooling performance. Under the vehicle, dimples in the engine undercover generate micro-vortices under the floor, enhancing the feeling of ground contact and high-speed stability. Minimizing the height differences between the door and the window surface efficiently suppresses airflow fluctuation, while the shape of the rear spoiler end and gate-shaped spoiler on the rear window help suppress turbulent airflow and enhance handling stability. On F SPORT and F SPORT Performance models, fins on the rear lower bumper help suppress turbulent airflow behind the rear tires, contributing to excellent straight line stability at high speeds and in side winds.



Lightweight body

In addition to optimizing the materials used on the platform's main frame, the front fenders are made of aluminum and the center pillars from hot-stamped 2GPa (gigapascal) material. This significantly reduces weight without compromising safety, as well as contributing to a lower center of gravity and enhanced handling stability.

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RX500h F SPORT Performance: the pursuit of driving excitement through innovative technology



RX500h F SPORT Performance 2.4L-T HEV DIRECT4

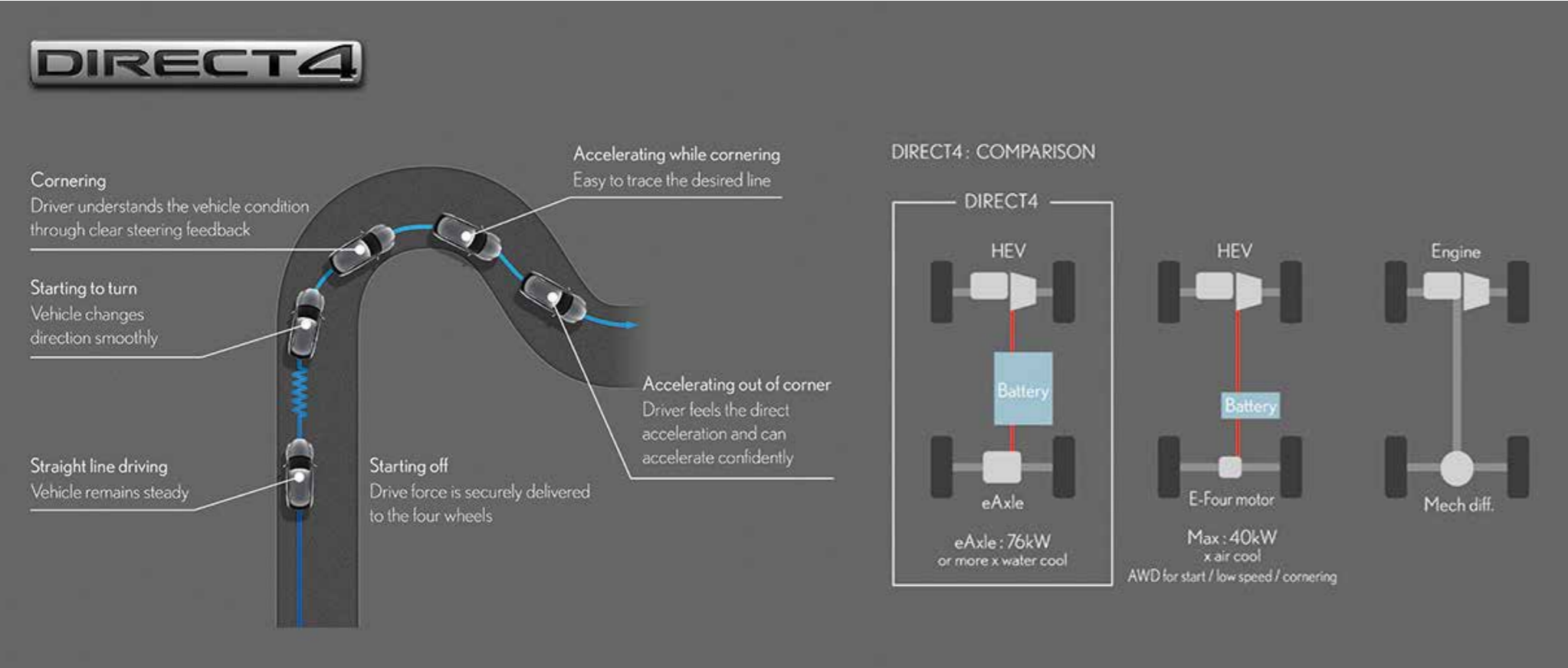


Lexus aims to push the evolution of fundamental performance using electrification technology, providing customers with the joy and exhilaration of driving. The RX features DIRECT4 that works in conjunction with a new HEV system designed to enhance the driving experience. Precise all-wheel drive control maximizes the grip of the front and rear wheels, while also providing posture control to deliver an exhilarating driving experience. The F SPORT Performance is a performance model that takes the existing F SPORT one step further by offering an enhanced powertrain.

HEV (Hybrid Electric Vehicle) system

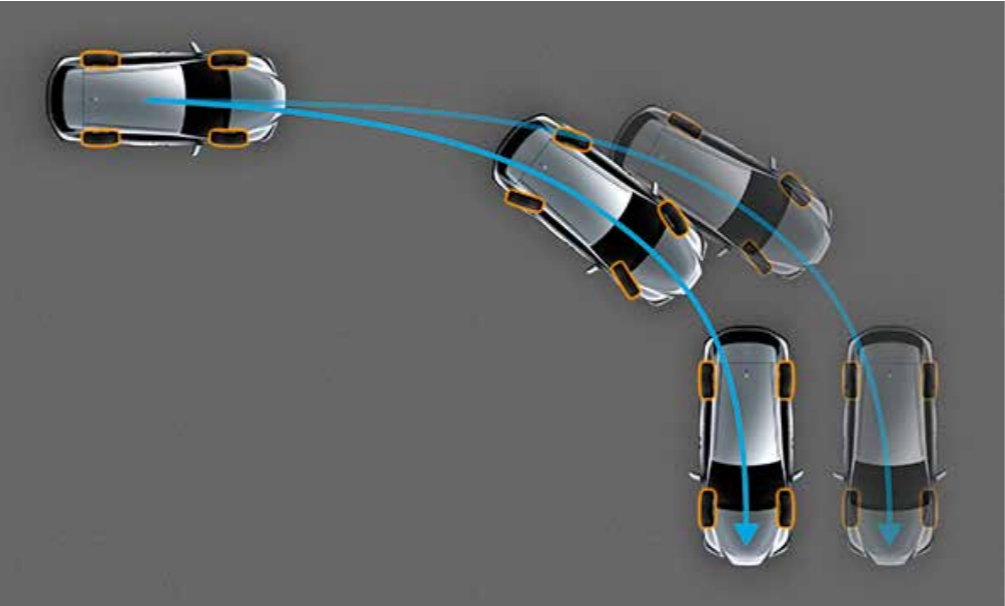
2.4L-T HEV on the RX500h features a front unit integrating a 2.4L turbocharged engine, motor, a 6-speed automatic transmission and an eAxle with a built-in high-output motor driving the rear wheels, and a high-power bipolar nickel-metal hydride battery under the rear seats. This system harnesses the powerful torque of the turbocharged engine and the quick response of the motor torque to provide a direct, torque-filled, and continuous acceleration feel. In addition, the 6-speed AT uses a wet start clutch in place of a torque converter, offering a rhythmic and responsive shift feel. Furthermore, the transaxle uses a built-in clutch to separate the engine and motor, allowing them to be used independently or together depending on driving conditions.

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DIRECT4

DIRECT4's drive force control uses information collected from wheel speed, acceleration, and steering angle sensors to help optimize the drive force distribution ratio of the front and rear wheels between 100:0 and 20:80 (front wheels: rear wheels), contributing to enhanced start-up acceleration, handling stability, and fuel economy. When accelerating from a standstill or in a straight line, the system controls vehicle pitch to provide a direct acceleration feel. When cornering, the system controls drive force distribution according to driving conditions, contributing to excellent handling stability, as well as an exhilarating performance that allows the vehicle to turn smoothly. Lexus has combined electrification and vehicle motion control technologies that it has cultivated over the years to deliver a driving experience where the driver can have an intimate dialogue with the car.



DRS (Dynamic Rear Steering)

DRS steers the rear wheels up to four degrees in the same or opposite direction as the front wheels, depending on vehicle speed. At low speeds, the system provides excellent turning and maneuverability during cornering, while a high level of vehicle stability is provided in high-speed ranges.

ANC (Active Noise Control)/ASC (Active Sound Control)

ANC: Audio speakers in the cabin output sound waves to suppress the noise characteristics of the four-cylinder turbocharged engine, keeping the interior quiet. Available on RX500h and RX350. ASC: It furthers the exhilarating dialogue between car and driver, by producing driving sounds that express the power and broad range of the engine + motor. Available on RX500h.



Brakes/Tires

Further refining the Lexus Driving Signature, aluminum monoblock, opposed six-piston brake calipers are used for the front brakes to provide a linear and direct brake feel. Together with exclusive 21-inch wheels, exclusive tires enhance ride comfort and quietness worthy of Lexus DNA, as well as enhanced grip and limit performance.

Vehicle Braking Posture Control

The RX500h and RX350h feature an electronically-controlled braking system that enables coordinated front and rear regeneration through independent front and rear hydraulic controls. Vehicle Braking Posture Control contributes to providing peace of mind with the linear braking feel and enhanced ground contact feel during braking by optimizing brake force distribution to the front and rear wheels in response to the amount of brake operation by the driver.

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Driving Signature



F SPORT Performance/F SPORT features A_Seamless grille (Mesh type)/Side grille (Mesh type)
F SPORT Performance exclusive features B_Emblem / C_Piano Black paint door mirror / D_Body-colored front lower bumper molding / E_Body-colored front bumper side molding / F_Body-colored rocker molding / G_235/50R21 101W tire & 21x8J aluminum wheel (Matte Black paint) / H_Door window frame molding (Black stainless) / I_Rear lower bumper (Body-colored)/Rear bumper molding (Piano Black)



B_Emblem



G_235/50R21 101W tire & 21x8J aluminum wheel (Matte Black paint)



D_Body-colored front lower bumper molding
E_Body-colored front bumper side molding



I_Rear lower bumper (Body-colored)/Rear bumper molding (Piano Black)



F SPORT Performance/F SPORT features A_Dimpled leather steering wheel with paddle shifters / B_Dimpled leather shift knob / C_TFT meter / D_Aluminum sport pedals and footrest / E_Real aluminum ornamentation / F_Leather sport seats
F SPORT Performance exclusive features G_Emblem / H_Scuff plate (Black)



G_Emblem



H_Scuff plate (Black)

RX350h 2.5L HEV E-Four / 2.5L HEV FF



The hybrid system combines a highly efficient and responsive 2.5-liter inline 4-cylinder engine and high-output motor. A high-level balance between smooth, direct driving performance and excellent fuel economy has been enabled by effectively combining a highly responsive engine, bipolar nickel-metal hydride battery with enhanced battery performance, and hybrid system control with revised drive force characteristics. On AWD models, E-Four, a motor-driven AWD system, uses various sensors to determine when drive force is needed in the rear, such as during start-up or normal driving, and precisely controls the front-rear torque distribution between 100:0 and 20:80. It efficiently uses the battery power to drive the front and rear motors, contributing to fuel economy as well as delivering excellent starting off performance and driving performance.

RX350 2.4L Turbo AWD / 2.4L Turbo FF



2.4-liter Turbo AWD/2.4-literT FF
The 2.4-liter inline 4-cylinder turbo engine revs pleasantly in response to accelerator input, providing outstanding acceleration response and ample driving power. Based on TNGA engine technology, it features a high-efficiency turbocharger, center direct injection system, and variable cooling system. Utilizing the ample torque it delivers powerful, dynamic performance together with excellent environmental performance and low fuel consumption.

Direct Shift-8AT
The Direct Shift-8AT, an 8-speed automatic transmission, balances driving performance that's rich in direct feel with excellent fuel economy. Developed for the 2.4-liter turbo engine, it yields powerful performance with the hallmark low-rpm response of a turbo powerplant. The AT control system selects the optimum gear by anticipating driver intentions based on control inputs, and judging continuously changing road conditions from the front camera module. It provides excellent fuel economy and quietness while cruising, and heightens driving enjoyment with lower gear selection when you want to drive more actively.



Electronically controlled, full-time AWD
It optimizes the drive force of the front and rear wheels via an electronically controlled coupling (wet-type multi-disc clutch) on the rear differential. The front/rear drive force distribution is constantly variable from 75:25 to 50:50 depending on the situation, providing both excellent traction and linear steering.

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Drive mode select

Drive mode select provides integrated control of multiple systems, offering enhanced driving pleasure by allowing the driver to select drive modes to suit the situation and their preference using soft switches in the center display.



EPB (Electric Parking Brake)

The parking brake is activated and deactivated by a simple switch operation. It is automatically activated when automatic mode is on and the shift position is in "P". It is deactivated when the shift position is in any position except "P", while pressing the brake pedal.

Brake hold

The brake hold system keeps the brake applied so that the driver can take their foot off the brake pedal when the system is on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed to allow smooth start off.

Trail mode

Trail mode provides integrated control of the AWD, braking, and drive force to prevent the wheels from slipping when driving on slippery or uneven road surfaces.

DAC (Downhill Assist Control)

DAC is available on the RX350 AWD. The system helps to prevent excessive speed on steep downhill slopes. The system will operate when the vehicle is traveling under 30km/h with the accelerator and brake pedals released.

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Design



Design

Since its launch in 1998, the RX has been a pioneer in luxury crossovers, constantly evolving its strength and finesse. The design of the next-generation RX was driven by the dedicated pursuit of a unique identity and proportions, born from a dynamic driving experience. It is expressed in the design concept ALLURING x VERVE, which evokes a captivating and seductive presence, with a powerful sense of spirit.



The solid stance provided by the extended wheelbase, low center of gravity, and wide front and rear treads, enabled the creation of a fresh style with a low center of gravity and planted presence designed for the drive force control and DIRECT4 driving experience.



Design Concept - Side

The raised front edge of the hood and lowered rear edge of the back window create a horizontal posture with low center of gravity. While retaining the overall length and front overhang, the base of the front pillar is pushed back to emphasize the elongated hood and emphasize the stance in which the cabin mass seems to sit on the rear.

The strongly flared surface extending from the rear door to the rear fenders visually evokes the powerful traction of the eAxe, and creates a beautiful highlight loop in the seamless flow of the surfaces into the side sill. The quarter pillar evolves the floating pillar design into a three-dimensional form, wrapping around to the rear, creating a stylish impression.



Design Concept - Front

The spindle design, a symbol of Lexus, is now expressed as a three-dimensional form, evolving into a new expression called the spindle body. The body-colored panel extends to the bottom of the Lexus emblem, emphasizing the strength of the form, as well as the mathematical beauty of the grill gradation. The seamless expression of the fusion between body and grill accentuate the impression of strength and a low center of gravity, pushing the boundaries of expressing a new identity and uniqueness.



Design Concept - Rear

A simple, strong mass flows horizontally to form the wide stance with a low center of gravity, projecting a sense of power and strength. The rear combination lamps feature the signature Lexus L-shaped light bar with lenses that wrap around the sides of the body, further emphasizing the wide silhouette and low center of gravity.



Design Concept – Interior: Tazuna Concept

The cockpit was designed based on the Tazuna concept, a new cockpit design concept that refines the human-centered philosophy present in Lexus’ vehicle crafting. The Tazuna, Japanese for rein, is an important means of communication between a horse and its rider. Lexus’ interior concept draws upon this articulate, symbiotic relationship, and reinterprets the partnership between human and machine with an intuitive layout that forges a deeper mutual understanding through a seamless merging of omotenashi-influenced design and cutting-edge technologies. The steering wheel switches, for example, are highly integrated with the Head-up Display to create a space where the driver can concentrate on driving. Navigation, audio, and various functions can be controlled without the need for extra eye movement or complicated switch operations.

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.

Touch tracing operation

The steering wheel features touch tracing operation, which detects where the driver is touching the steering wheel switch, and displays operational guidance on the color Head-up Display. It enables intuitive driving operation while looking ahead, without the need to look down at your hands.



14-inch touch display

Touch displays

The center display features a 14-inch or 9.8-inch touch display, providing many functions integrated into its soft switches. Careful attention was paid to the size, shape, layout, and information displayed on the switches, pursuing optimum placement and shape for intuitive operation, while also considering how often each function is used.



9.8-inch touch display



TFT meter (High grade)

TFT (Thin Film Transistor) LCD meter (High grade)

With optimal content layout, the high-grade TFT meter allows the driver to quickly check vital information while driving, including navigation route, driving assist system status, navigation scheduled arrival time and driving range.



TFT meter (Base grade)

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Interior Package - Concept

The wide horizontal sweep of the instrument panel from the meter hood through to the door trim creates an expansive feeling of space, together with a sense of embracing occupants. Models equipped with the panoramic roof expand the feeling of openness and space with a sweeping front-to-back view. In addition, adopting e-latch eliminated the need for an inside door handle on the shoulder, reducing the door trim and contributing to an extended instrument panel and horizontal space.



Interior illumination

The multi-color illumination around the instrument panel creates a spacious, immersive atmosphere even at night. 14 colors were carefully selected to express the changing emotions and feelings of witnessing beautiful natural phenomena. In addition to the theme colors, you can select from 50 additional colors from a color palette that can be displayed in the center display.



Interior Package - Design

Pushing back the front pillar and front edge of the roof creates a comfortable space in the front seats with a feeling of openness. The GA-K platform enabled a longer front/rear couple distance, contributing to the roomy feeling in the rear seats. In addition to the low floor, low-profile scuff plates in the front footwell and optimizing the shape of the center pillar cover in the rear footwell provides both front and rear seat occupants with ample legroom for easy ingress and egress.



Luggage space

The thin back door trim and low loading height contribute to both a comfortable interior space and ample luggage capacity. The position and lens color of the two LED lamps in the side of luggage space and LED lamp in the back door were optimized, enhancing their appearance.

F SPORT 2.4L-T AWD

Distinctive F SPORT features accelerate the desire to drive



F SPORT Performance/F SPORT features A_Seamless grille (Mesh type)/Side grille (Mesh type)
F SPORT exclusive features B_Black roof rail / C_Emblem / D_Body-colored front bumper side molding (Silver paint) / E_235/50R21101W tire & 21x8J aluminum wheel (Super Gross Black Metallic paint) / F_Piano Black painted door mirror / G_Rear lower bumper/Rear bumper molding (Silver paint)



C_Emblem



E_235/50R21101W tire & 21x8J aluminum wheel (Super Gross Black Metallic paint)



H_Scuff plate



Exclusively-tuned AVS (Adaptive Variable Suspension system)



Opposed 6-piston brake caliper (front)

F SPORT



F SPORT Performance/F SPORT features A_Dimpled leather steering wheel with paddle shifters / B_Dimpled leather shift knob / C_TFT meter / D_Aluminum sport pedals and footrest / E_Real aluminum ornamentation / F_Leather sport seats
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Advanced Technology

Advanced Technology

Lexus is continuously developing safety technologies with one goal: Zero fatalities and injuries from traffic accidents. To get closer to realizing this goal, the RX 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.



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

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

<Driver Monitor Linking functions>

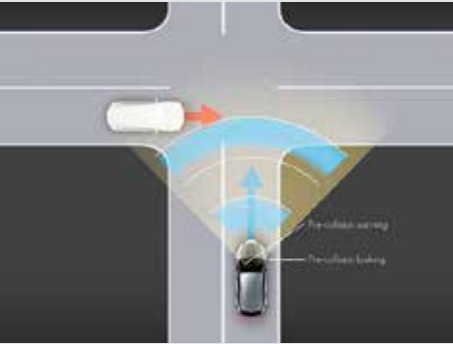
- Pre-Collision System
- Dynamic Radar Cruise Control
- LDA (Lane Departure Alert)
- Emergency Driving Stop System

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.).

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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.



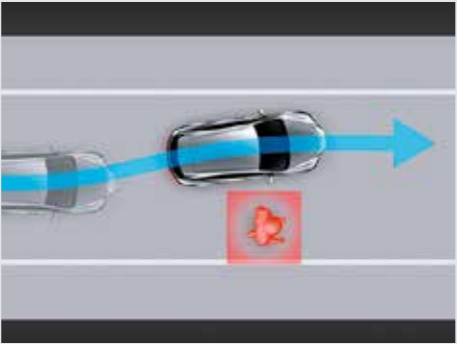
Intersection Assistance
(Crossing Vehicle)

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



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



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

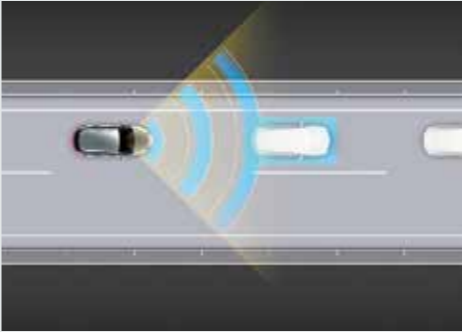


FCTA (Front Cross Traffic Alert)

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.

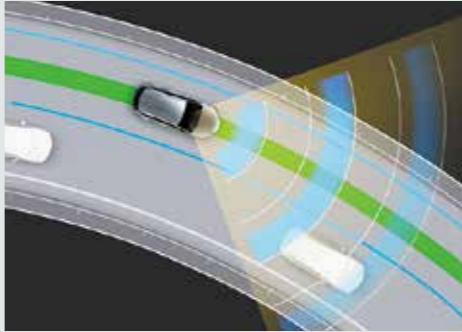
Acceleration Suppression at Low Speed

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



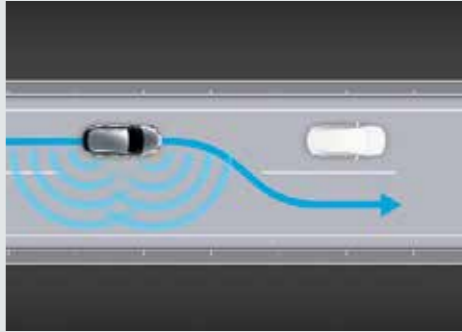
Dynamic Radar Cruise Control
(With full speed range)

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.



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.

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" *⁶.

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.*⁷

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 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.

*⁶ Recognized road signs vary by country and system specs.

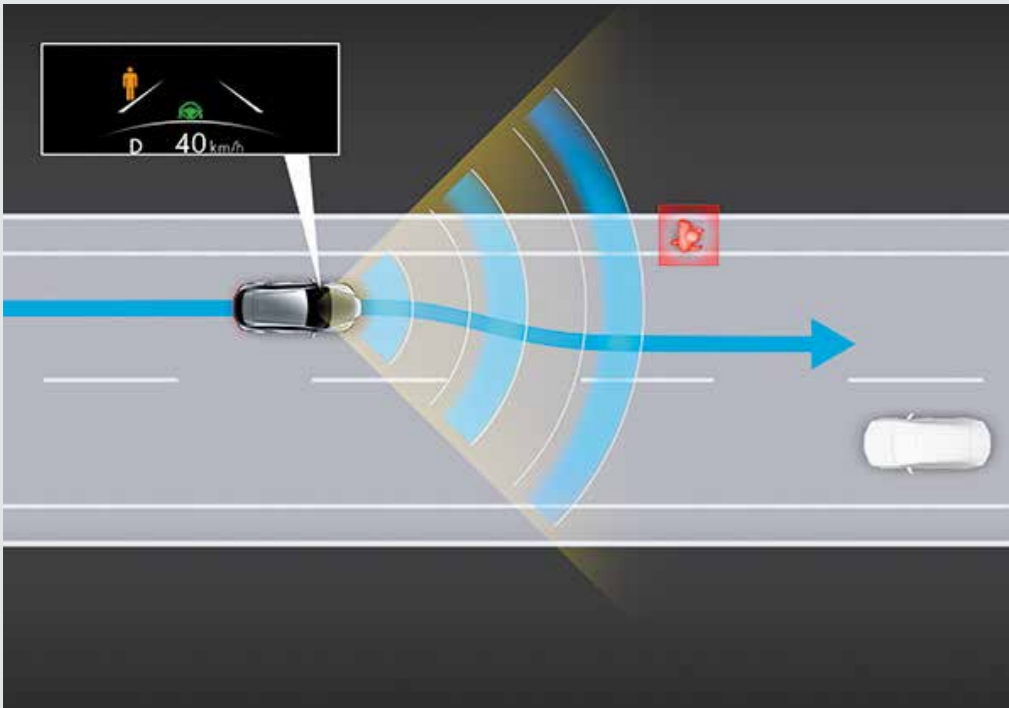
*⁷ The system may not operate depending on road, vehicle, weather, and other conditions.

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Advanced Technology

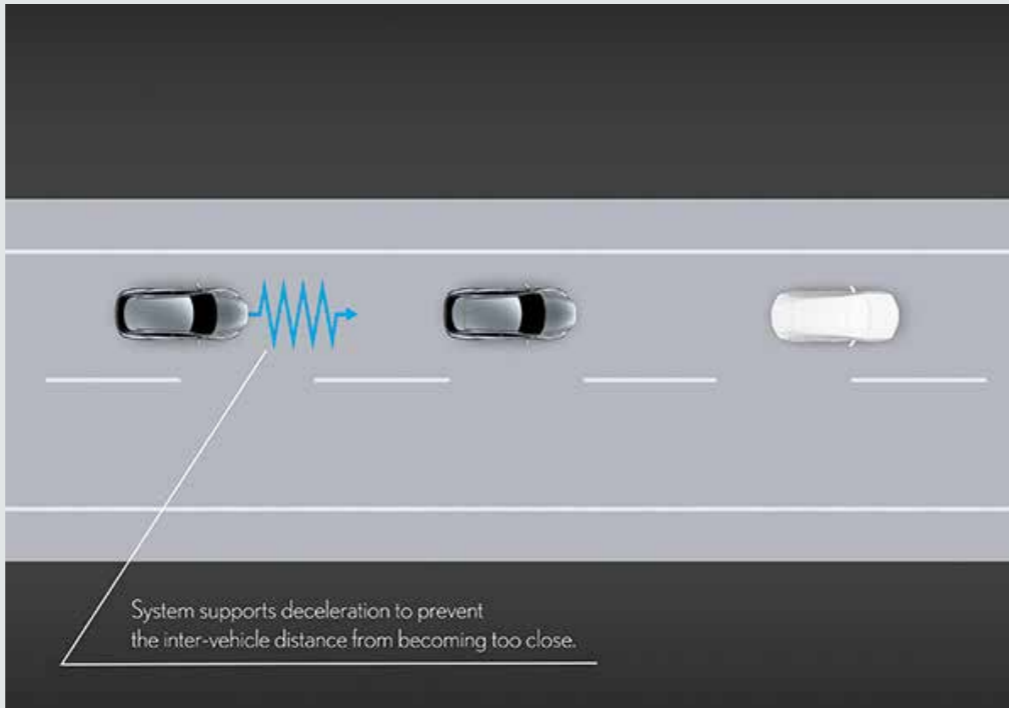
PDA (Proactive Driving Assist)

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.



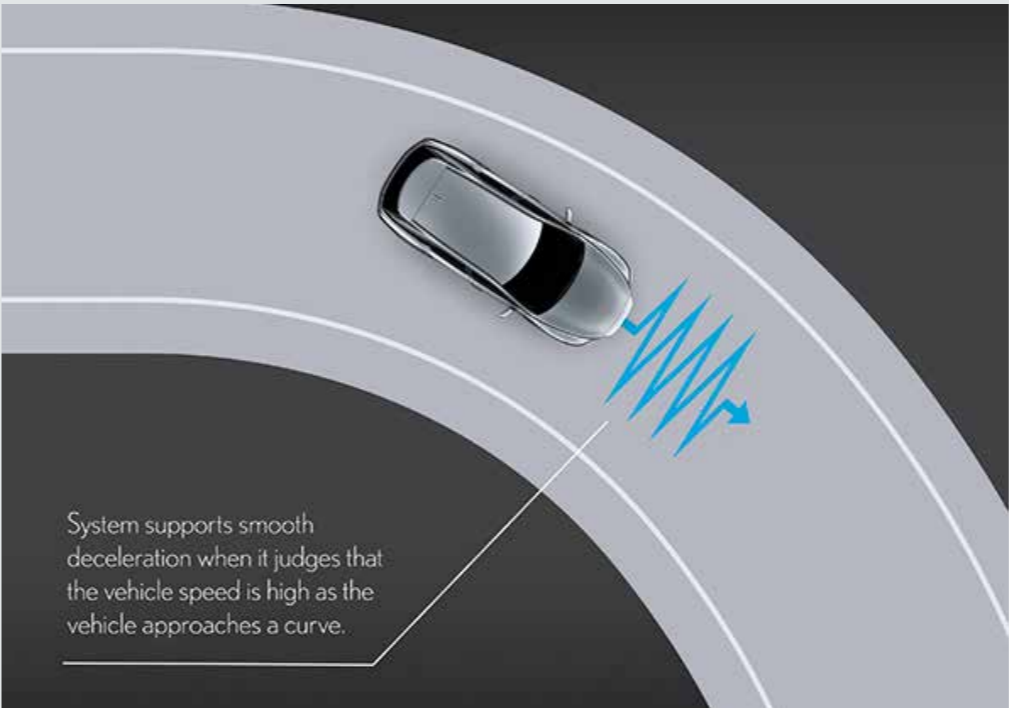
PDA (Steering/deceleration support in response to pedestrians/bicyclists/parked vehicles)

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.



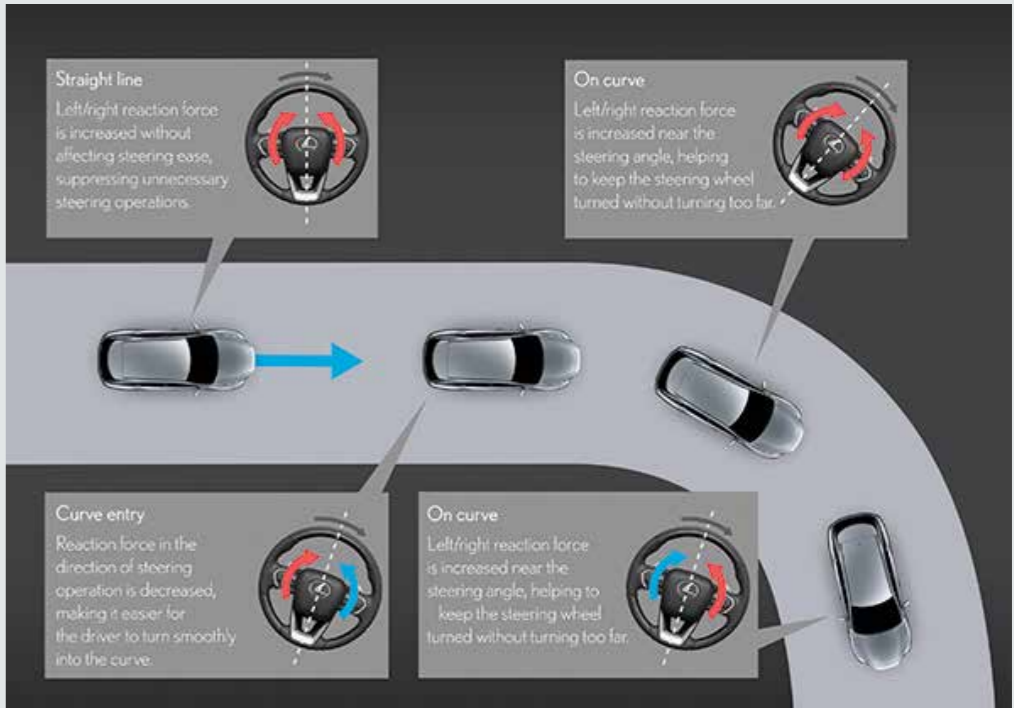
PDA (Deceleration support in response to preceding vehicles)

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)

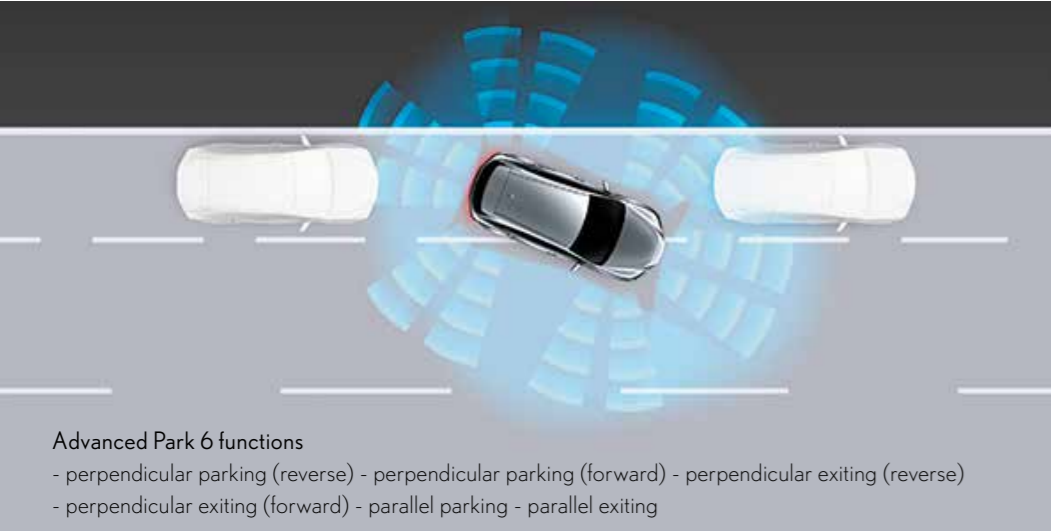
When the system determines the vehicle is traveling too fast to go through an upcoming curve safely, it gradually brakes the vehicle once the driver releases the accelerator.



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.

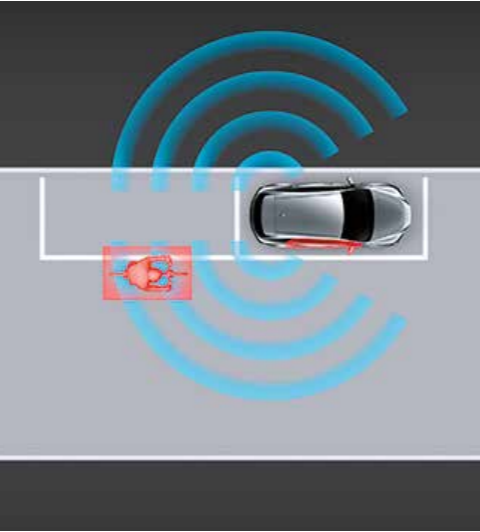
Note: Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area. Please inquire at your local dealer for details on the availability of features. The system functions may not operate properly depending on the weather, road and vehicle conditions 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.



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.

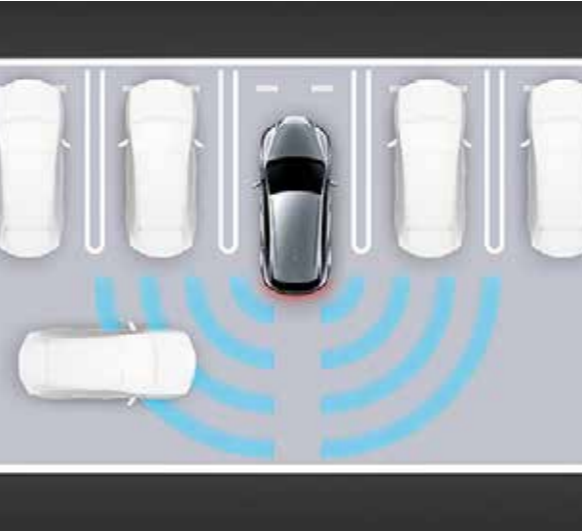


SEA (Safe Exit Assist) with door opening control

SEA uses the BSM (Blind Spot Monitor System) 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. In addition, if an occupant tries to open a door, the e-latch system cancels door unlatch operation. Occupants are alerted by flashing indicators in the door mirror, the multi-information display, and a buzzer.

BSM (Blind Spot Monitor)

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.

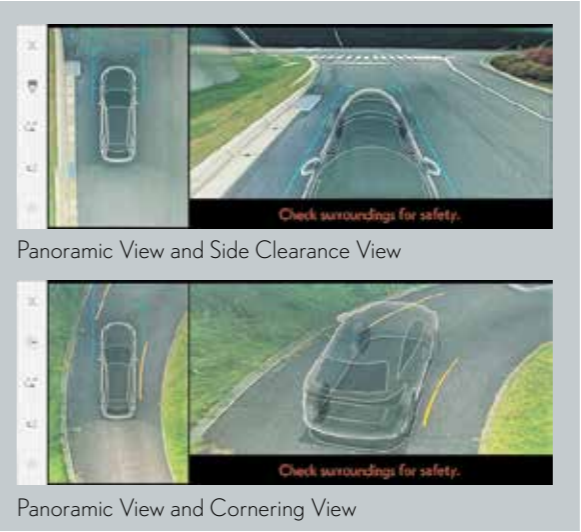


Secondary Collision Brake (Rear impacts while stopped)

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^{*2}, 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.



Panoramic View Monitor

Panoramic View Monitor combines video from cameras mounted on the front, sides and rear of the vehicle to display a composite image showing a bird’s-eye view of the vehicle, helping the driver to check areas around the vehicle that are difficult to see from the driver’s seat.

The monitor offers 3 views: See-through View, looks through the body and seats as if they were transparent; Side Clearance View, lets you check the sides of the vehicle for safe clearance; and Cornering View, helps you avoid hitting obstacles on narrow roads.



Digital Rear-view Mirror

A Digital Rear-view Mirror displays images from the backup camera at the rear of the vehicle on the in-mirror display, providing a wide field of view and images adjusted for clarity, enhancing excellent visibility even when it is difficult to check behind the vehicle. In addition, a camera-washer system helps remove dirt including raindrops, mud, snow and snow melting agents.

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

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Other Equipment

Other Equipment

The subtle integration of refined technologies



High grade with AHS



Base grade

Headlamps

The high grade slim 3-projector Bi-Beam LED headlamps feature a black-toned extension that creates a subdued presence, highlighting the L-signature of the DRL (Daytime Running Light). The base grade single-projector Bi-Beam LED headlamps with integrated L-signature DRL pursue a simple elegant design. Headlamp cleaners are set flush with the bumper to unify the clean lines.



Panoramic Roof (Tilt & Outer Slide Type)



Moon Roof (Tilt & Slide Type)

Wet-arm wiper

A wet-arm type wiper with built-in washer nozzles provides wiping performance. Main and sub-nozzles in the wiper arm spray washing fluid on the windows ahead of the moving arm, reducing obstruction from the washing fluid to effectively clear the driver's field of view.

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Offering smooth, one-action door operation



e-latch

An e-latch system replaces the conventional door latch/unlatch mechanism with an electronic control that opens and closes doors smoothly with no wasted movements, like a sliding shoji paper door. To open a door when getting in, simply press the switch on the inside of the door handle while pulling the handle towards you in the usual way. When getting out, the door opens in a single action by pressing a switch while holding the pull handle. If the battery power supply is cut, for instance due to a collision, the doors can be opened using a manual release handle.

Thoughtful functionality assists the handling of luggage



Hands-free power back door

Even if both hands are full, when carrying the Electronic Key you can open and close the back door automatically by moving your foot under the rear bumper and out again. Refinements enhance fast, quiet operation, and a buzzer confirms when to move your foot out. In addition, when carrying the Electronic Key, if you press the Close & Lock switch or activate the kick sensor and walk away, a walk-away function fully closes the back door and then locks all the doors.

One touch roll-up tonneau cover

When the knob on the tonneau cover is pulled up, the cover automatically retracts along rails in the deck sides in a one-touch operation, enabling easy operation without leaning forward.

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Stylish comfort and support for enjoying long rides



Front seats

The seats feature a TNGA frame, which together with a deep-hung construction, helps to maintain a minimal-burden driving posture even on long drives. The deep-hung construction pulls the upholstery fixing position deeply inward on the pad side, reducing the change in the sitting pressure on the cushion when subjected to a load from the side, to provide excellent postural stability during cornering. On models equipped with the seat memory system, the driver's seat features a power easy access system that integrates auto lift-down, and slide away and return functions, enabling smooth, stress-free ingress and egress.



Rear seats (40:20:40 split folding)

The shape of the seatback was optimized to help suppress rocking of the occupant's head and minimize motion sickness, contributing to refined ride comfort. On the power folding rear seats, the seats are folded/unfolded using switches on the sides of the seats, in the luggage space, or the soft switch on the touch display. For the manual folding rear seats, an electric switch in the luggage space folds the seats with minimal effort.



Switches

Refined details enhances your driving experience



Center console

Cupholder with adjustable sliding height: Enables the storing of various cups and tumblers. A non-slip mat in the bottom allows the driver to open a plastic bottle lid with one hand, without changing their forward view while driving.

Front box with lid: The large storage box in the front of the center console features a front-rear sliding lid, providing easy access to the wireless charger.

Front tray: A tray above the front box with lid provides convenient storage for a smartphone and other items.



Wireless charger

Set inside the front box with lid, it enables wireless charging of Qi-compatible smartphones and electronic devices simply by placing them on the charger tray.

Power and ports keep you connected on the move



Center console: 3 USB Type C charging and USB Type A multimedia communication ports, DC12V



Console rear end: 2 USB Type C charging ports



Luggage space: DC12V

Enjoy bespoke control of personal comfort



3-zone independent temperature control

The 3-zone independent temperature control system enables individual automated control of the cabin temperature in the driver's seat, front passenger's seats, and rear seats, providing a comfortable interior space for each occupant.

nanoeX

The climate control system integrates advanced nanoeX technology which discharges mildly acidic nanoe ions from the air conditioner registers, helping to fill the cabin with fresh air.

Lexus Climate Concierge

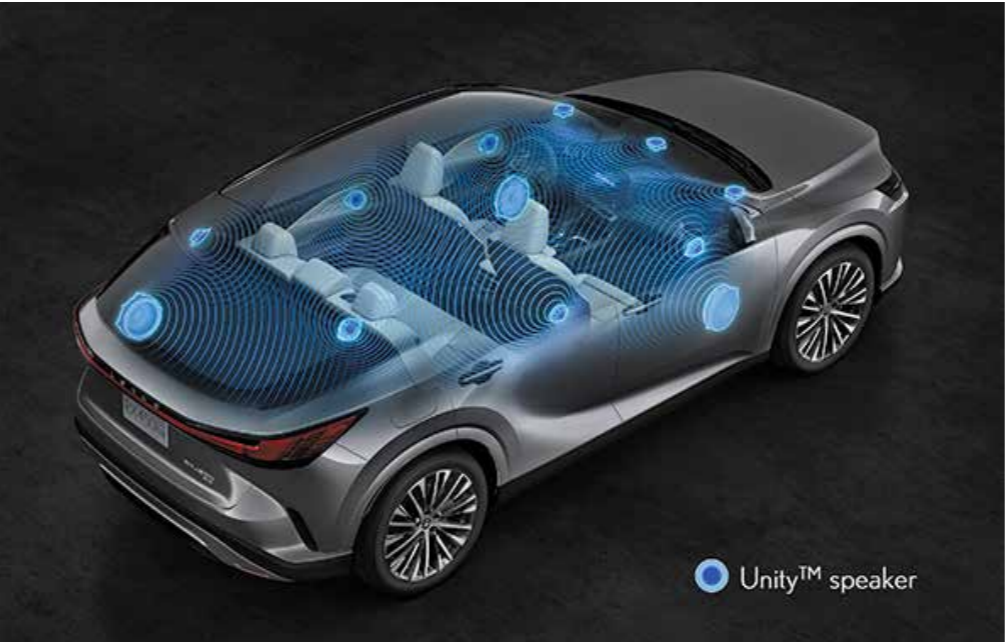
Lexus Climate Concierge coordinates with the auto air conditioning to automatically control the front seat heaters and steering wheel heater when the heater is on, or the front seat ventilation when the air conditioning is on, providing optimal comfort for each occupant.



Seat heater/Seat ventilation (Front and rear seats)

The heating area and heat distribution of the seats were optimized to provide pleasant warmth across the whole seat cushion. Suction type seat ventilation is available on the front and outboard rear seats. Switches for adjusting the seat heater and ventilation in the rear seats are in the console rear end panel.

The rich pleasures of premium sound



Mark Levinson Premium Surround Sound System

Since it pioneered high-end audio 50 years ago Mark Levinson has kept evolving, and Lexus is the only premium car brand equipped with its audio systems. Based on the Mark Levinson PurePlay concept to create a pure, distortion-free sound, the RX is equipped with 9 Unity speakers positioned at the same height around the cabin to create a live stage effect that extends from front to back and left to right, and clear unified reproduction of mid- and high-ranges. It also features QLS (Quantum Logic Surround) sound technology to create a precise stage feel, localization, and dynamic playback, and Clari-Fi compressed audio source reproduction technology to reproduce sound as close to the original as possible. A 22.4cm box subwoofer under the rear deck provides rich, deep and clear bass. The system also supports high-resolution audio playback.



Lexus RX Premium Sound System

The system supports high-resolution playback to create a performance space that surpasses conventional CDs by reproducing the balanced and detailed expression of a live performance, such as the soft sounds produced by instruments. A bamboo charcoal plant opal diaphragm on mid-range speakers provides clear and vivid vocal playback. Optimal placement of the speakers creates an exceptional surround sound effect, creating a relaxed and smooth acoustic space. In addition, a 20cm box subwoofer under the rear deck provides rich, deep and crisp bass.

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 COLORS



White Nova Glass Flake <083>*



Sonic Quartz <085>



Mercury Gray Mica <1H9>



Sonic Titanium <1J7>



Sonic Chrome <1L1>



Sonic Iridium <1L2>



Graphite Black Glass Flake <223>



Red Mica Crystal Shine <3R1>



Sonic Copper <4Y5>



Terrane Khaki Mica Metallic <6X4>



Heat Blue Contrast Layering <8X1>*



Deep Blue Mica <8X5>



Celestial Blue Glass Flake <8Y6>*

* F SPORT Performance/F SPORT

WHEELS



19-inch aluminum wheels
(Dark Gray Metallic)



21-inch aluminum wheels (Dark Gray Metallic, bright machined finish)



21-inch aluminum wheels
(Dark Premium Metallic)



21-inch aluminum wheels (Sporty, Dark Gray Metallic)



21-inch aluminum wheels (F SPORT, Super Gross Black Metallic)



21-inch aluminum wheels
(F SPORT Performance, Matte Black)



21-inch aluminum wheels
(F SPORT Performance, Grey Metallic)

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INTERIOR COLORS



Solis White



White Ash



Black



Hazel



Dark Sepia



Black*¹



Dark Rose*¹

SEATING MATERIAL



Semi-aniline Leather



Smooth Leather



Synthetic Leather



Smooth Leather*¹



Synthetic Leather*¹

INTERIOR TRIM



Black Herringbone Pattern Film



Medium Brown Bamboo



Sumi Woodgrain



Dark Spin Aluminum*¹

STEERING WHEEL



Leather



Synthetic Leather



Wood and Leather



Dimpled Leather*¹

<COLORS/SEATING MATERIAL/TRIM FOR EUROPE>

INTERIOR COLORS	SEATING MATERIAL/TRIM					
	Semi-aniline Leather		Smooth Leather/Synthetic Leather			Smooth Leather (F SPORT Performance/F SPORT)
	Sumi Woodgrain	Medium Brown Bamboo	Sumi Woodgrain	Medium Brown Bamboo	Black Herringbone Pattern Film	Dark Spin Aluminum
Solis White	●	●	●	●	●	-
Black	●	●	●	●	●	-
Hazel	-	-	●* ²	●* ²	●* ²	-
Dark Sepia	●	●	●* ²	●* ²	●* ²	-
Black	-	-	-	-	-	●
Dark Rose	-	-	-	-	-	●

● Available combination.

*² Available in Smooth Leather only.

*¹ F SPORT Performance/F SPORT

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MAIN FEATURES <RX500h/RX350h/RX350>

EXTERIOR

- 3-projector Bi-Beam LED headlamps; auto-leveling system
- Single-projector Bi-Beam LED headlamps; auto-leveling system
- Headlamp cleaners
- LED turn signal lamps
- LED DRL (Daytime Running Light)
- LED front and rear fog lamps
- Windshield green glass; UV-cut function, acoustic glass
- Front door window glass; UV-cut function, acoustic glass, water-repellent glass
- Rear door, rear quarter window and back door glass; UV-cut function, privacy glass
- Moonroof; power tilt/slide, one-touch mode with jam protection system
- Panoramic roof; power sunshade, one-touch mode with jam protection system
- Door mirrors; LED side turn signal lamp, power folding, interlink with reverse gear, heater
- Door handles; e-latch system, foot area illumination, door handle illumination
- Exclusive seamless grille and side grille (F SPORT Performance/F SPORT)
- Exclusive rear lower bumper, rear bumper molding, rocker molding, front fender emblems, door window frame molding, aluminum wheels and tires (F SPORT Performance)
- Exclusive front bumper side molding, rear bumper, rear bumper molding, roof rails, front fender emblems, door mirror cover, and aluminum wheels (F SPORT)

INTERIOR

- Automatic anti-glare mirror
- Digital Rear-view Mirror
- Optitron meters
- Color TFT (Thin Film Transistor) multi-information display
- Color Head-up Display; touch tracing operation
- Center console box
- Vanity mirrors and lamps (Front seats)
- Cupholders (Front and outboard rear seats)
- Door pockets (Front and rear doors); bottle holders
- Wireless charger
- Multi-color ambient illumination
- Lexus Climate Concierge
- Auto air conditioning system; 3-zone independent temperature controls, clean air filter with pollen and odor removal function, fresh air automatic switching system with exhaust gas detection function

- nanoeX
- Luggage space; one touch roll-up tonneau cover
- Exclusive front seats, trim, dimpled leather steering wheel, dimpled leather shift knob, meters, aluminum pedals and footrest, and scuff plates (F SPORT Performance/F SPORT)

OPERATION

- Advanced Park; remote control function
- Power tilt and telescopic steering column; auto-away/auto-return function
- Steering wheel control switches
- Hybrid Sequential Shift Matic
- Drive mode select
- Trail mode
- EPB (Electric Parking Brake)
- Hill-start Assist Control
- DAC (Down-hill Assist Control System)
- Position memory switches (Front seats); 3-memory
- Inside door handles; e-latch system
- Smart Entry & Start System
- Panoramic View Monitor
- Lexus Parking Assist Monitor
- Hands-free power back door; close & lock switch

NAVIGATION AND AUDIO

- Lexus Navigation System
- Lexus Display Audio; 14-inch full HD wide display (or 9.8-inch HD display), touch display, Apple CarPlay and Android Auto compatible
- 14-inch EMV (Electro Multi-Vision) touch display; Apple CarPlay and Android Auto compatible
- Lexus RX Premium Sound System; 12 speakers
- Mark Levinson Premium Surround Sound System; 21 speakers, Clari-Fi, QLS (Quantum Logic Surround)
- 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 (Console rear end)
- Power outlet/accesary socket

SEATS

- 10-way power front seats with 4-way power lumbar support and memory function
- 8-way power front seats with 2-way power lumbar support and driver's seat memory function
- 8-way power front seats with 2-way power lumbar support
- Seat heater and ventilation (Front seats and outboard rear seats)
- Power folding rear seats
- 4-way adjustable front headrests (F SPORT Performance/F SPORT)

SAFETY

- Lexus Safety System + <Pre-Collision System, Dynamic Radar Cruise Control, LTA (Lane Tracing Assist), LDA (Lane Departure Alert), LCA (Lane Changing Assist), RSA (Road Sign Assist), Speed Limiter, AHB (Automatic High Beam), AHS (Adaptive High-beam System), Emergency Driving Stop System, PDA (Proactive Driving Assist), Driver Monitor>
- SEA (Safe Exit Assist) with door opening control
- Blind Spot Monitor System
- PKSB (Parking Support Brake)
- 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
- Dual-stage SRS (Supplemental Restraint System) airbag (Front seats)
- SRS airbag system
- 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)

Note: Please inquire at your local dealer for details on the availability of features.

SPECIFICATIONS <RX500h/RX350h/RX350>

DIMENSIONS & WEIGHT

Overall length:	4,890mm
Overall width:	1,920mm
Overall height:	1,695mm
Wheelbase:	2,850mm
Tread: Front	1,655mm
Rear	1,695mm
Curb weight:	2,100-2,190kg <RX500h LHD> 1,965-2,065kg <RX350h LHD> 1,920-2,000kg <RX350>
Gross vehicle weight:	2,750kg <RX500h>, 2,660kg <RX350h>, 2,590kg <RX350>

CHASSIS

Suspension:	MacPherson strut type (Front)/ Multi-link type (Rear), coil springs, gas-filled shock absorbers, stabilizer bar
Steering system:	Rack and pinion. EPS (Electric Power Steering)
Brakes: Front	340mm/400mm*1 ventilated discs
Rear	340mm ventilated discs
Minimum turning radius (Tires):	5.5m <RX500h>, 5.9m
Fuel tank capacity:	65 liters <RX500h/RX350h>, 67.5 liters <RX350>
Tires:	235/50R21, 235/60R19

ENGINE <RX500h>

Type:	2.4-liter, 4-cyl. in-line Twin Cam 16-valve, turbocharger (T24A-FTS, unleaded)
Piston displacement:	2,393cc
Max. output:	200kW/6,000rpm (EEC net)
Max. torque:	460Nm/2,000-3,000rpm (EEC net)
Fuel system:	D-4ST (Direct injection 4 stroke gasoline engine Superior version with Turbo)

ENGINE <RX350h>

Type:	2.5-liter, 4-cyl. in-line Twin Cam 16-valve (A25A-FXS/A25B-FXS, unleaded)
Piston displacement:	2,487cc
Max. output:	140kW/6,000rpm (EEC net)
Max. torque:	239Nm/4,300-4,500rpm (EEC net)
Fuel system:	D-4S (Direct injection 4 stroke gasoline engine Superior version)

ENGINE <RX350>

Type:	2.4-liter, 4-cyl. in-line Twin Cam 16-valve, turbocharger (T24A-FTS, unleaded)
Piston displacement:	2,393cc
Max. output:	183kW/4,500-6,000rpm (EEC net)
Max. torque:	430Nm/1,700-3,600rpm (EEC net)
Fuel system:	D-4ST (Direct injection 4 stroke gasoline engine Superior version with Turbo)

MOTORS <RX500h>

Front motor:	Type: Permanent magnet motor
	Max. output: 64kW
	Max. torque: 292Nm
Rear motor:	Type: Permanent magnet motor
	Max. output: 75.9kW
	Max. torque: 168.5Nm

Total system output*2: 273kW

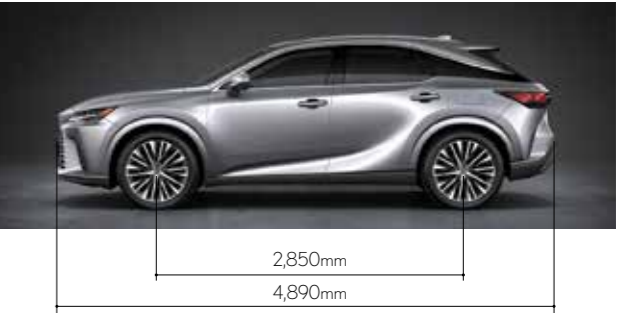
MOTORS <RX350h>

Front motor:	Type: Permanent magnet motor
	Max. output: 134kW
	Max. torque: 270Nm
Rear motor:	Type: Permanent magnet motor
	Max. output: 40kW
	Max. torque: 121Nm

Total system output*2: 184kW <RX350h>

BATTERY <RX500h/RX350h>

Type:	Nickel-metal hydride (NiMH) <RX500h/RX350h>
Nominal voltage:	288V <RX500h>, 259V <RX350h>
Number of battery cells:	240 <RX500h>, 216 <RX350h>



*1 F SPORT Performance/F SPORT

*2 Total system output from the engine and electric motors (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.
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- Vehicle body color might differ slightly from the printed photos in this catalog.