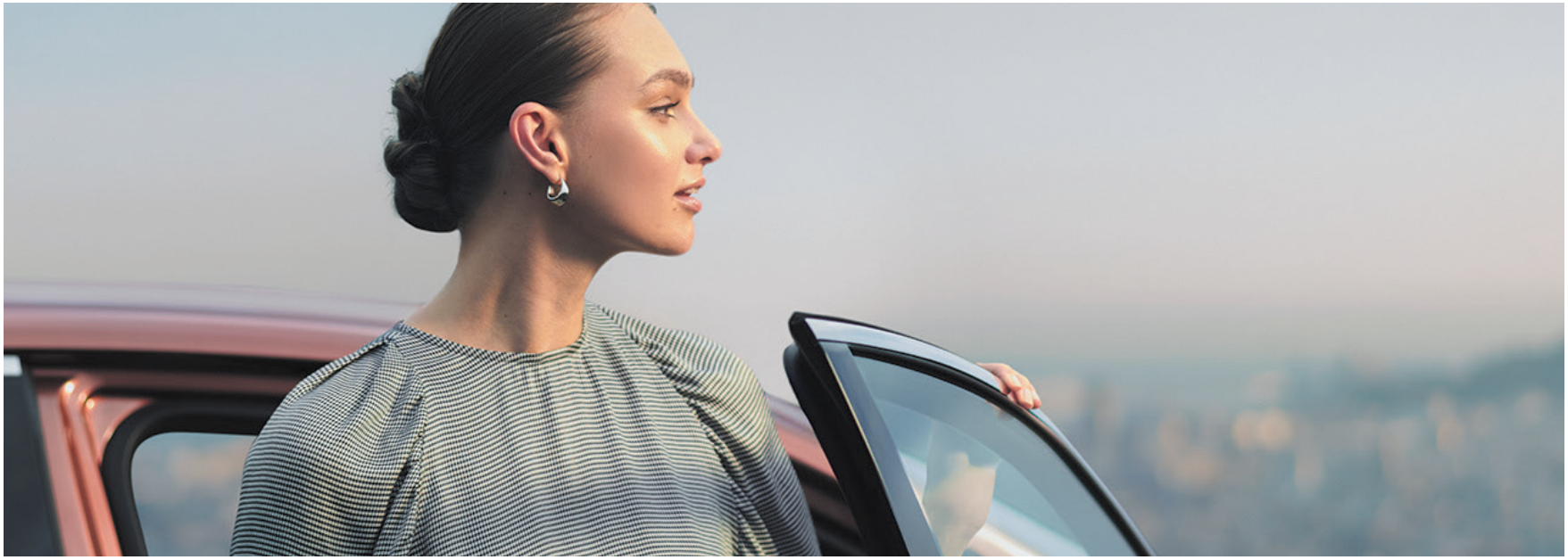

LBX
LBX



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LEXUS

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LC

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Driving Signature

Total development of the vehicle fundamentals to create the Lexus Driving Signature

The Lexus Driving Signature offers a unique driving experience that aims to provide seamless and linear response, responding faithfully to the driver's intentions. It offers seamless transition between deceleration, steering, and acceleration across various driving scenarios. The LBX embodies total refinement of its core attributes, featuring a driving position that facilitates a deep connection with the car, a packaging design with exceptional inertia characteristics, revamped front suspension geometry, heightened body rigidity, and an emphasis on suppressing unwanted external disturbances for a peaceful ride. The aim was to instill an enduring desire to keep exploring the road ahead.

The LBX features the first adoption of a Lexus specific TNGA platform (GA-B) engineered for compact vehicles. Development focused on further optimization of inertial characteristics based on a lightweight, highly rigid body with a low center of gravity. The driver's seating position was set low to decrease both the center of gravity and overall height, all while maintaining generous interior space. Furthermore, a broad and low stance was enabled through a wide track. Despite the use of segment-defying larger-diameter tires, the vehicle has a remarkable minimum turning radius of 5.2 meters, prioritizing effortless maneuverability.

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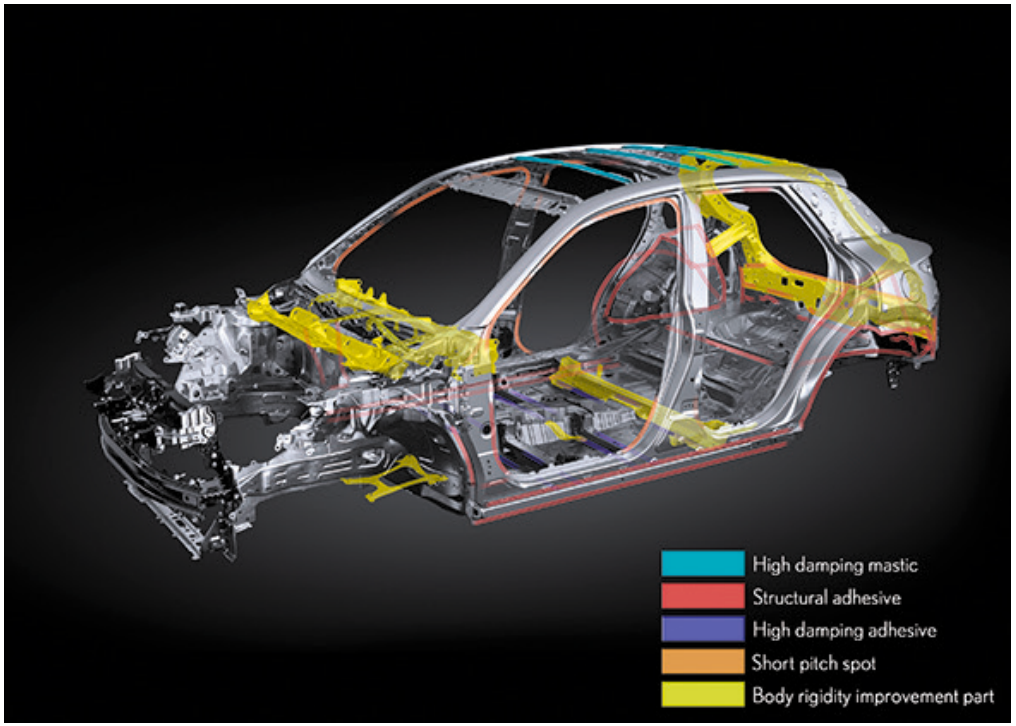
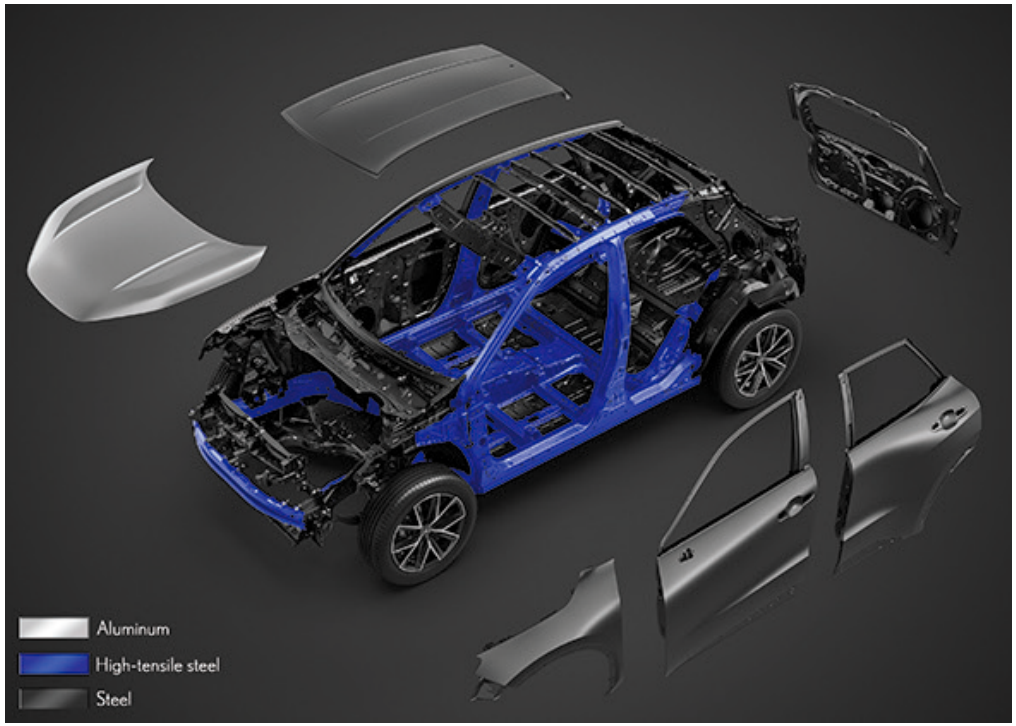
A high rigidity, lightweight body contributes to the excellent handling and quiet cabin



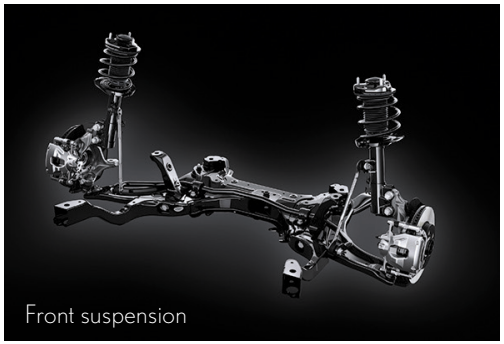


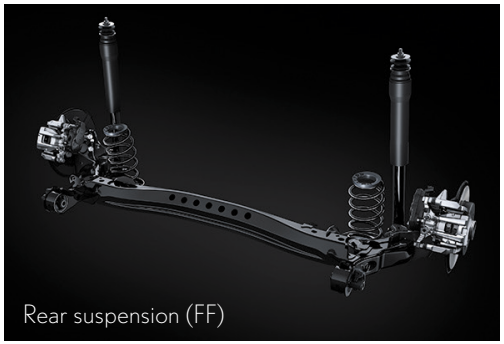
Body rigidity

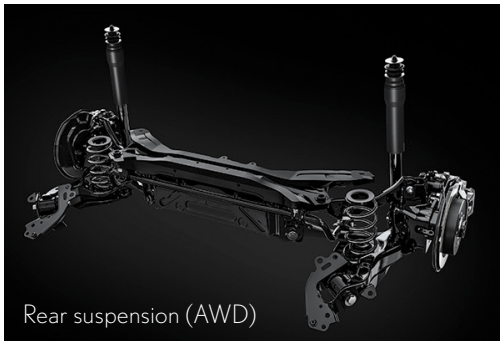
To enhance the joint rigidity of the body framework, techniques such as short-pitch spot welding and expanded use of structural adhesives were implemented in the appropriate areas. Additionally, the structural adhesives in areas closer to the occupants were strategically replaced with high-dampening adhesive, thereby reducing vibration in the high-frequency ranges. This significant reduction contributes to improved driving stability, ride comfort, and substantial reduction in NV (Noise/Vibration) levels. In addition to joint rigidity, focus was also placed on peripheral rigidity in key areas. The cowl structure connecting the front suspension towers was reworked to enhance rigidity at the load-bearing points. Reinforcement of the instrument panel structure boosted both steering column and instrument panel reinforcement rigidity. This resulted in exceptional steering response while decreasing unwanted vibrations transmitted through the steering system.

Lightweight body

A lightweight construction and exceptional rigidity were produced by the strategic placement of the roof reinforcement to reduce the overall thickness of the roof panel. Additionally, the use of aluminum for the hood and 2.0 GPa grade hot-stamped material for the center pillar, as well as 1.8 GPa grade hot-stamped material for the front bumper reinforcement, contribute to a high level of safety performance. The optimization of inertial characteristics, including the lowering of the center of gravity further enhances handling stability.


Front suspension


Rear suspension (FF)


Rear suspension (AWD)

Front and rear suspension

The front suspension features MacPherson strut suspension with updated suspension geometry. The large caster angle provides excellent straight-line stability, suppresses toe-in changes during body roll, and minimizes understeer. This results in solid and confident linear control over vehicle posture during cornering, all the way to the limits. A highly rigid forged aluminum knuckle is employed for the front suspension knuckle to reduce unsprung weight. In addition, the input-separation type upper support with three-point attachment contributes to both linear steering response and refined ride comfort. The rear suspension for the FF model features a lightweight and exceptionally rigid torsion beam, while the AWD model uses a trailing arm type 2-link double-wishbone suspension that houses the rear motor and provides excellent driving performance. The shock absorbers use quick reacting sliding components to provide dampening force at very low speeds, as well as a high level of both maneuverability and ride comfort.

Brake

The vehicle utilizes the AHB-G brake system, contributing to smoother brake feel and pedal response. Furthermore, Braking Vehicle Posture Control (pitch control) has been implemented to provide a linear braking feel and a heightened sense of stability.

Aerodynamic performance

A special focus on aerodynamic performance further enhances both handling stability and ride comfort. The hood is designed with a low front-end and minimal grille opening, along with a seamless grille which minimizes airflow disturbances in order to create a balance between design aesthetics and high aerodynamic performance. For the sides, high aerodynamic efficiency and enhanced handling stability are the result of minimizing the step between the door surface and the beltline molding. Additionally, the fin shape on the lower side of the rocker molding helps reduce vehicle roll for a flat, comfortable ride. Exceptional straight-line stability has been produced by refining the spoiler and rear combination lamps, as well as optimizing airflow from the roof to the tip of the rear spoiler. The under cover of the floor features a dimple pattern designed to generate small vortices, resulting in enhanced grip and high-speed stability.

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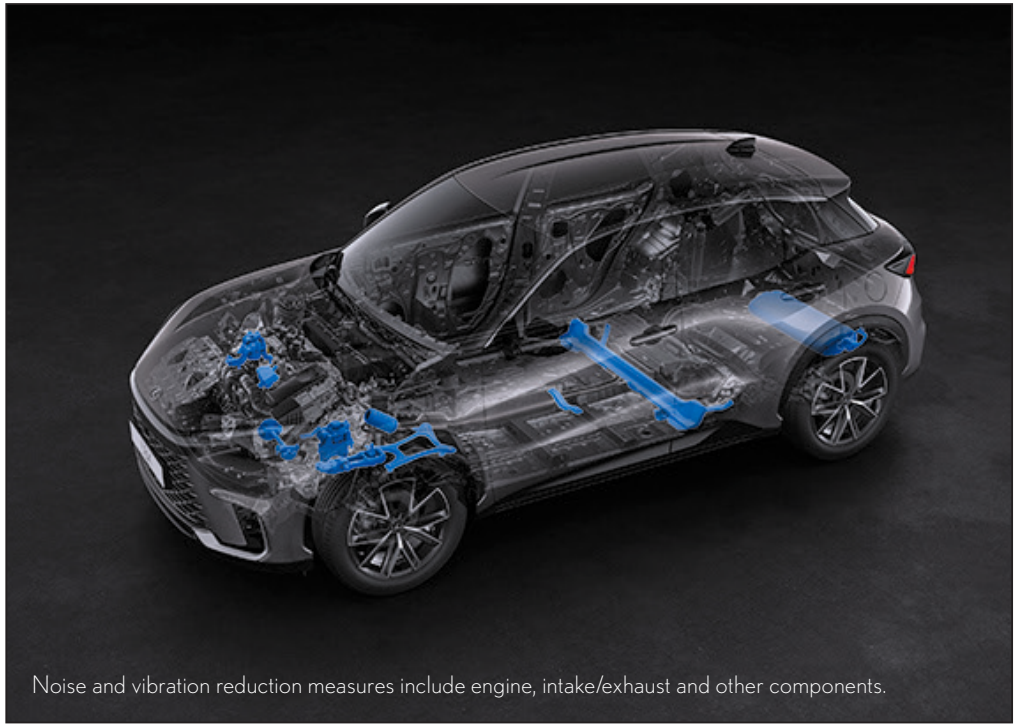
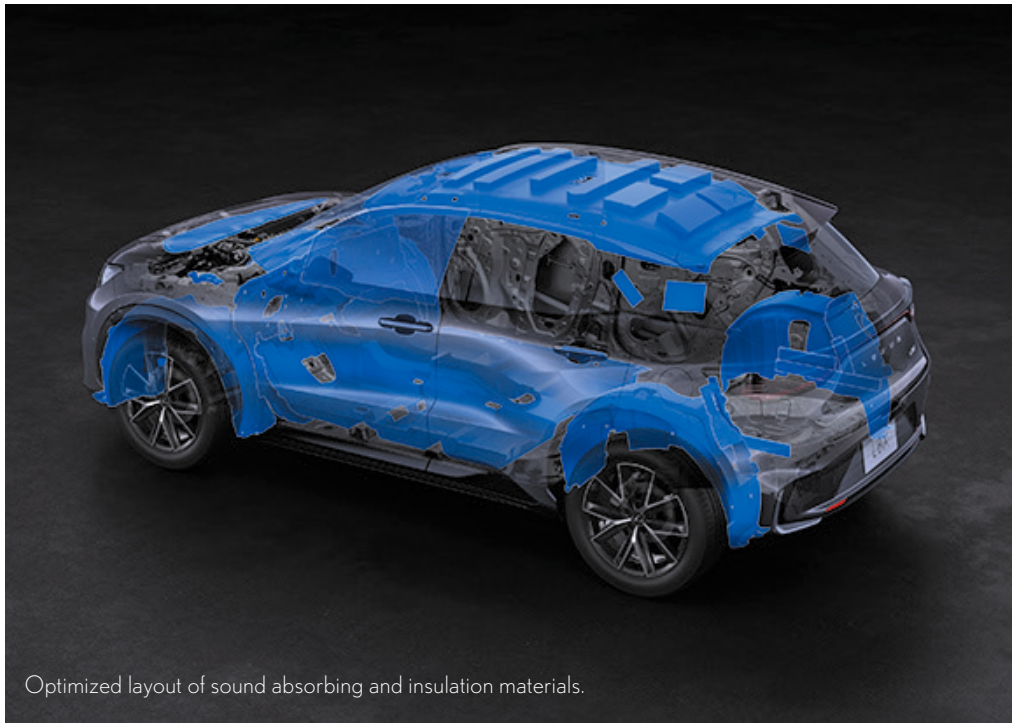
In the quiet cabin, the driving position deepens the connection between car and driver.



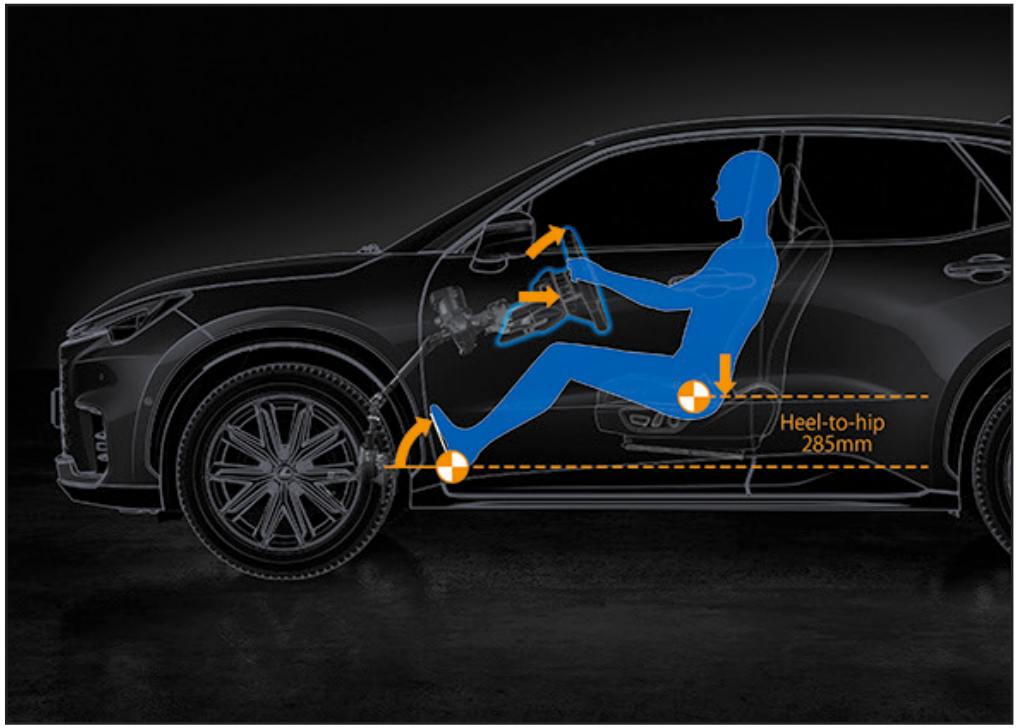
Noise and vibration reduction measures include engine, intake/exhaust and other components.



Optimized layout of sound absorbing and insulation materials.

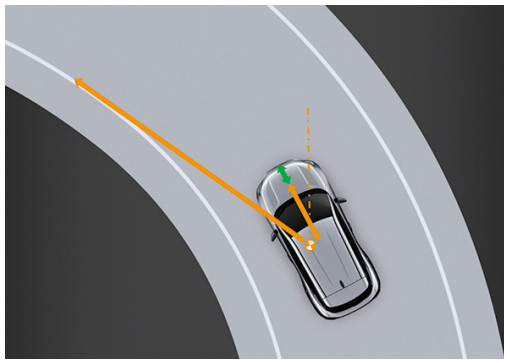
Quietness

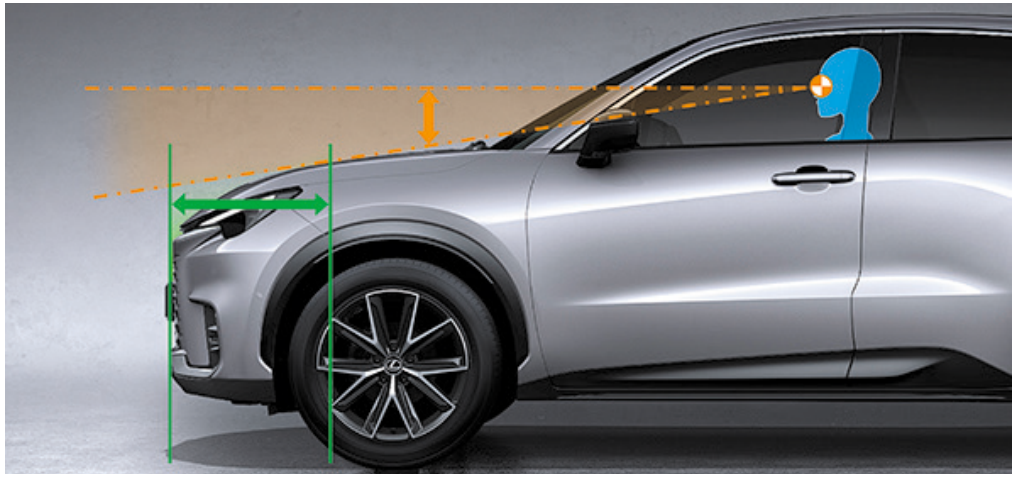
A significant reduction in engine noise and vibration has been enabled by suppressing the sources of sound and vibration. Various measures were implemented around the engine, such as optimized placement of engine mounts to minimize shock during startup, incorporating a balance shaft with the engine to dampen low RPM floor vibrations, and adding a resonator to the air cleaner hose to diminish intake noise. For the exhaust system, a flexible pipe has been added to reduce vibration from the engine, and the main muffler capacity has been increased to lower exhaust noise. Furthermore, by adding an additional sound absorption layer to the two-layer inner dash silencer and creating a three-layer structure, the thickness and density of the layers are optimized, thereby enhancing the sound absorption and insulation performance. Vibration is efficiently suppressed without the use of heavy materials by incorporating a high-dampening type of mastic sealer for a portion of the roof panel, resulting in a quieter cabin when driving or in the rain, as well as a lower center of gravity due to weight reduction.



Driving position

The LBX, focuses on providing visibility and a driving position that fosters a deep connection between the driver and car, emphasizing a sense of unity. The lowered seat position brings the driver closer to the vehicle's center of gravity, thereby facilitating easier pedal operation and enhancing the sense of harmony with the vehicle motion. The wrist and elbow angles, distance from the shoulder, and other factors were repeatedly verified on physical models to create an ideal steering position promoting an effortless application of force. Pedal position was also carefully reexamined to align with driver position. The accelerator pedal incorporates an organ-style design that seamlessly integrates with the movement of the ankle, for excellent operability. The brake pedal is designed with an angle that allows for smooth and natural transition from the accelerator pedal, while the footrest is positioned to accept any necessary force during pedal operation.





Visibility

For driver visibility, the blind spot area near the hood has been reduced, while the upper portion of the hood remains visible, making it easier for the driver to grasp the vehicle's position. Great attention was given to the design of the A-pillar and hood layout to optimize forward and downward visibility. The design contributes to a better perception of the driving line for enhanced line tracing and a deeper connection between the driver and car.

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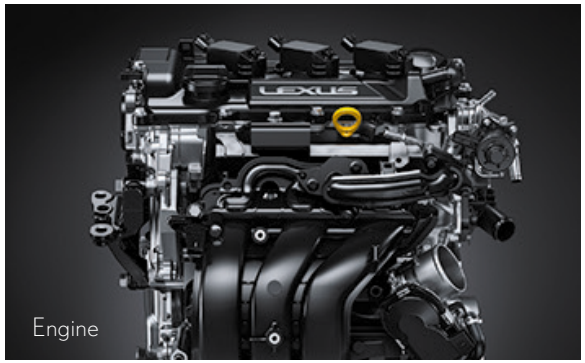
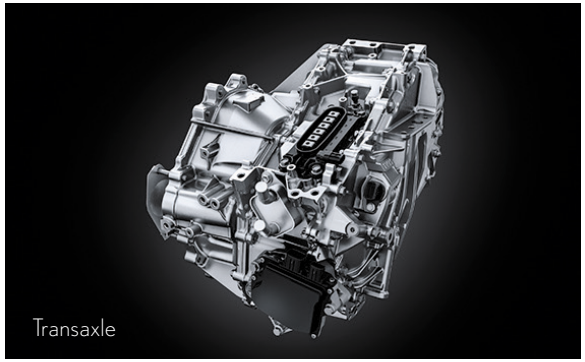
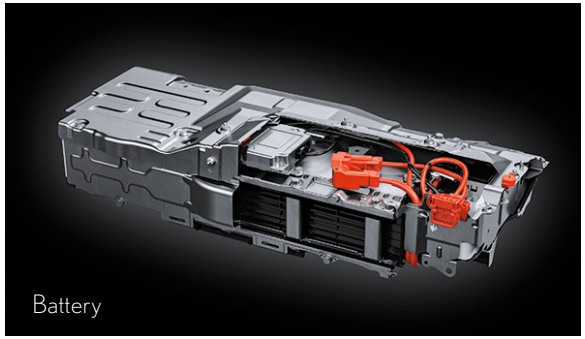
Excellent response and seamless connection through refined electrification technology

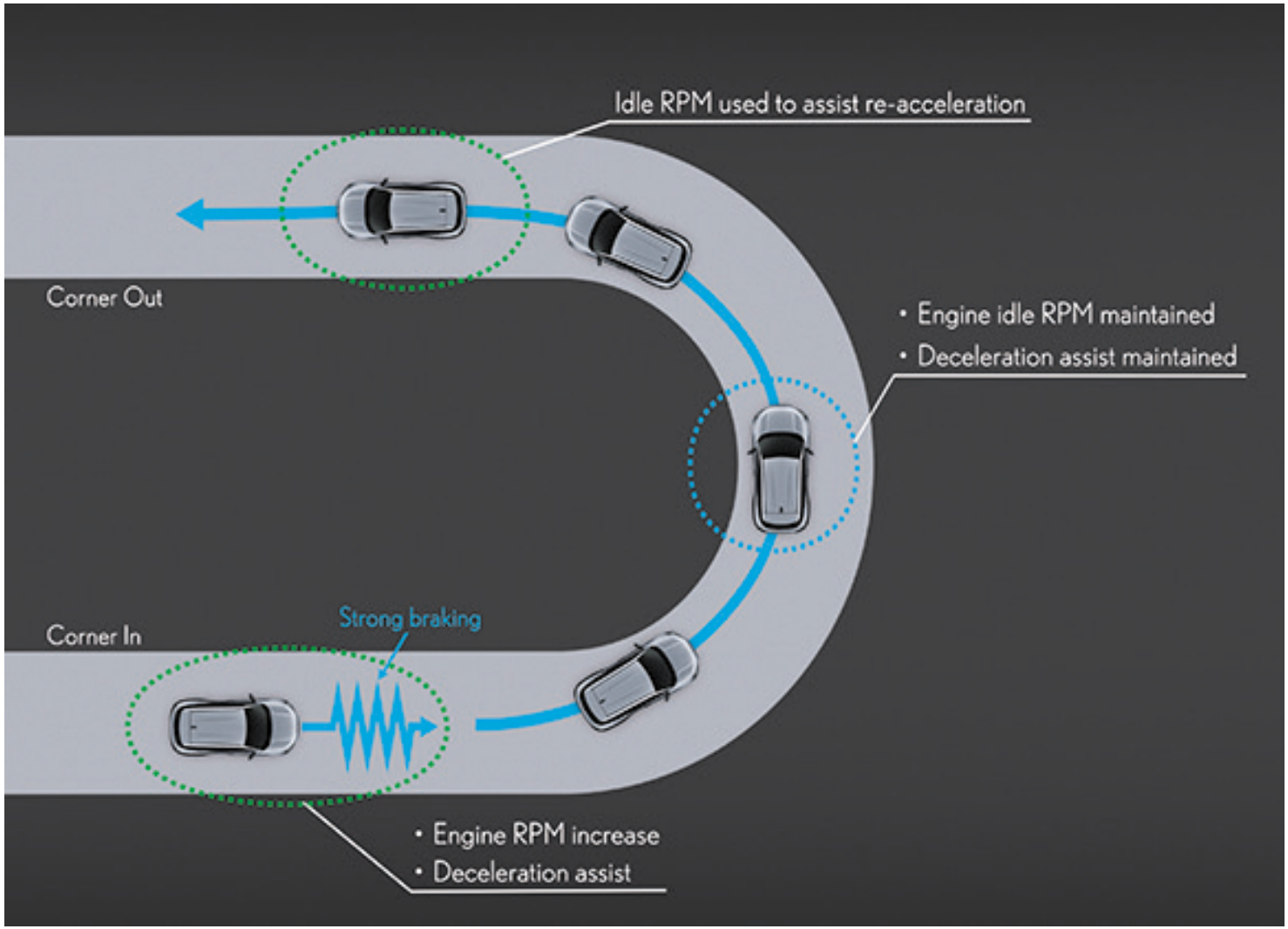






Powertrain

The LBX offers an HEV model incorporating a highly efficient 1.5L inline 3-cylinder engine (M15A-FXE), a compact and lightweight transaxle with enhanced motor output, and a high-output bipolar NiMH (nickel-metal hydride) battery. The Lexus Driving Signature is produced by fully harnessing the performance of the engine, motor, and battery using extensive expertise in electrification technology. Battery and motor assistance in response to accelerator input has been significantly enhanced, resulting in minimal delay and a quick motor-like acceleration feel. The synchronization of the engine speed, vehicle speed, and engine sound during acceleration results in a smooth and linear driving experience. The HEV system is precisely controlled to optimize efficiency, leading to outstanding fuel economy.



Driving tailored to the driver's preferences

The LBX incorporates drive force control that intelligently adjusts acceleration and deceleration based on the driving conditions. Furthermore, when the system detects significant front/rear/left/right G-forces during cornering on twisty roads, it increases deceleration upon gas pedal release, maintains engine rpm, and provides assistance for smooth re-acceleration, thereby assisting in a pleasant driving rhythm. The result is a seamless and responsive driving experience that takes the driver's intentions and surroundings into account.

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Design

Proportions rooted in function and dynamic performance with a sophisticated design projecting a strong presence

The 'Premium Casual' design philosophy establishes a presence and level of refinement that far exceeds its class. The mission was to develop a compact crossover appealing to customers with sophisticated taste, seamlessly integrating into their everyday lives as a casual essential.
The LBX was developed to transcend conventional size hierarchies to deliver a compelling blend of refinement and presence. It aims to appeal to customers with a discerning sense of taste, offering a luxury vehicle that can be casually used on a daily basis. The dynamic exterior proportions project a bold stance, and the use of segment-defying large-diameter tires are a result of innovative ideas not bound by conventional thinking. In addition, the 'Unified Spindle' design unifies functionality around the front face and sets the identity for a new era.

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Design

Front design

The narrow slit between the hood and bumper seamlessly integrates with the left and right headlamps, creating a cohesive spindle shape that extends downward to the low-positioned radiator. This approach results in a resolute appearance that exudes confidence and strength. The front design has been reimagined as a 'Unified Spindle' that unifies functionality of the entire front section. Alongside the distinctive appearance of the 'Unified Spindle,' the low hood design and seamless integration of the grille and body creates a sense of a low center of gravity and enhances the vehicle's commanding presence. A dynamic and well-balanced stance incorporates flared front fenders that accentuate the large-diameter tires. The frameless, seamless grille and low-profile hood enhance aerodynamics and maneuverability, resulting in excellent response during maneuvers. A smooth ride is also produced by minimizing wind flow separation and fluctuations.

Headlamps

The signature lamps with Bi-AHS (Adaptive High-beam System) LED leading from the slit between the hood and bumper emphasize the resolute look and have evolved into an outward-facing L-shaped signature with safety in mind. The turn signals and DRL (Daylight Running Lamp) also receive bi-functional treatment.

Side & rear design

A combination of a wide-stance body with short overhangs and flared treads, along with a compact cabin design that positions the front pillars towards the rear, creates a proportion with a sense of stability while maintaining a low center of gravity. The design creates a commanding presence that far exceeds the constraints of its body size. The side view emphasizes the compact, highly maneuverable nature of the vehicle while the cabin is positioned on top of the horizontally aligned torso expressing a sense of stability. The boldly protruding fenders emphasize the large-diameter tires for a dynamic feeling that evokes a strong sense of performance. The rear end features a compact cabin placed on top of the underbody to establish a low center of gravity and a solid stance. Furthermore, the license plate is positioned on the bumper and the Lexus logo enhances the clean look of the rear door, adding to the sense of low center of gravity and solid mass. In order to strengthen and further establish the Lexus signature aesthetic, the L-shape horizontal lamp maintains for brand consistency. To complement the design of the back door, a distinct single-letter graphic is arranged to express individuality. The single form horizontal LED is further emphasized by toning down the presence of the turn signal and backup lamps.

Design

The Exterior package offers a range of design enhancements to accentuate the LBX's presence, including refinements to the front and rear design. Fin-shaped aero parts on the corners of the lower front and rear bumpers complement the side rockers. The silver paint finish of the center piece exudes a feeling of calm luxury. The rear pillar features a film with an elaborate line pattern alternating glossy and matte on a black base which blends into the car's design from a distance, but reveals a sophisticated textured pattern as you move closer.

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Interior concept

The interior is based on the 'Tazuna Concept' and features a premium design with the aim of creating an interior space where its occupants can relax and enjoy a deep connection with the car. A simple, horizontal instrument panel design provides an open field of vision. The goal was to create a cockpit space where the driver could concentrate on driving and be their true self. Furthermore, the stylish design cue that extends from the meter hood to the door trim highlights both compact ergonomics and a sense of expansiveness. The theme of enveloping the occupants is further enhanced by incorporating the airducts into the design and minimizing the prominence of functional components. The height of the center display and console has been sloped and lowered to enhance integration with the interior, while the controls have been positioned at a convenient height for easy operation. This design promotes a relaxing, seamless driving experience. The knee support, which supports the body during driving, is wrapped in rich leather, a feature befitting of a premium vehicle.

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Tazuna concept

The cockpit design is rooted in the 'Tazuna Concept,' an innovative concept that elevates the Lexus 'human-centered' philosophy to a new level. Taking inspiration from the connection between the rider and reins of a horse, the steering wheel switches are seamlessly integrated with the heads-up display, enabling the driver to effortlessly operate essential functions like navigation and audio, thereby promoting a seamless driving experience and minimizing the need for extensive eye movements.

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.

Touch displays

The center display features a 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.

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Front seats

With a focus on fostering seamless interaction with the vehicle, the goal was to develop seats enabling the driver to easily sense the vehicle dynamics and execute precise driving maneuvers. The seat cushion features a deep form, minimizing changes in seat cushion pressure when subjected to lateral loads and ensuring exceptional stability of the driver's posture during cornering. The seat back design focuses on elongating the spine and provides enhanced hip support for a stable line of sight and minimal head movement.

Rear seats

The 60:40 split folding rear seats offer versatile carrying capacity, easily folding down to accommodate different combinations of passengers and luggage. The saddle-type headrests help provide the driver with a good field of view to the rear.

Center console utility

The center console box provides convenient access to diverse utility and storage options including a USB Type C charging port and a USB Type C multimedia communication port in the instrument panel, and a USB Type C charging port and a DC12V accessory socket in the lower tray. Illuminated inlets enhance visibility and ease of use. A wireless charger inside the upper tray enables wireless charging of Qi-compatible smartphones and electronic devices simply by placing them on the charger tray. A removable sliding cupholder, fixed cupholder and lower tray provide flexible storage options.

Console rear end utility

2 USB Type C charging ports integrated into the console rear end lower panel support the convenient use of digital devices in the rear seats. The inlets are illuminated to enhance visibility.

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Luggage space

The luggage compartment was designed to optimize carrying capacity, with recesses and protrusions eliminated to create a highly usable space. In addition to accommodating 2 x 75-liter suitcases, there is room under the deck board to store tools and other small items. A lightweight, bifold tonneau board enables easy folding and storage under the floor when not in use. A DC12V accessory socket is integrated into the left deck side.

Door armrest

The ample design and careful positioning of the armrests in the front seats provides comfortable support when required, while enabling unobstructed driving operation. It allows drivers to find a position that offers unrestricted elbow movement, enhancing comfort and convenience while driving. The armrest trim and ornamentation reflect each grade style.

Interior illumination

The cabin interior features 64 colors of interior illumination, accentuating the elegance of the interior shapes and materials and imbuing the entire cabin with a captivating and enchanting ambience. Fourteen colors representing the various emotions and feelings, such as when witnessing a miracle of nature, have been preset as recommended colors. Furthermore, passengers can freely select from an extensive color palette of ambient illuminations on the center display, with a selection of 50 additional colors to create a unique atmosphere that resonates with their current mood.

LBX Lineup

Based on the desire to provide cars that align with each customer's lifestyle, the LBX has established a grade system. Taking customer feedback into account from those who were unable to choose their favorite combinations based on their desired grade, the grade system allows customers to select from five different themes that best match their lifestyle and preferences. In addition, an exclusive "Bespoke Build" program allows customers to indulge in individual personalization. With a diverse range of options, including exclusive items, customers can choose and create their one-of-a-kind vehicle that perfectly aligns with their unique lifestyles.

URBAN

A simple, stylish space exuding urban flair.

COOL

A modern, simple yet refined ambience.

RELAX

A beautiful blend of serenity with glamor.

ACTIVE

An active, sporty and high-energy space.

ELEGANT

Next-generation style with inviting warmth.

Made-to-Order

Bespoke Build

With the made-to-order 'Bespoke Build' system, you can customize your LBX with an extensive selection of approximately 330,000 variations to create a distinctive, one-of-a-kind vehicle that reflects your unique taste and sensibilities.

Changes: Partial customization items (embroidery & stitching color, seatbelt webbing color, and additional trim ornamentation), seat upholstery material, exclusive color combinations

URBAN

A dark gray fabric has been paired with a black base to create a space that is both simple and clean, exuding a cool and stylish impression with an urban flair.

<INTERIOR COLORS/SEATING MATERIAL>

INTERIOR COLORS	SEATING MATERIAL/TRIM
	Fabric
Black & Dark Gray	●
Saddle Tan	–
Solis White	–
Mauve	–

●: Available combination.

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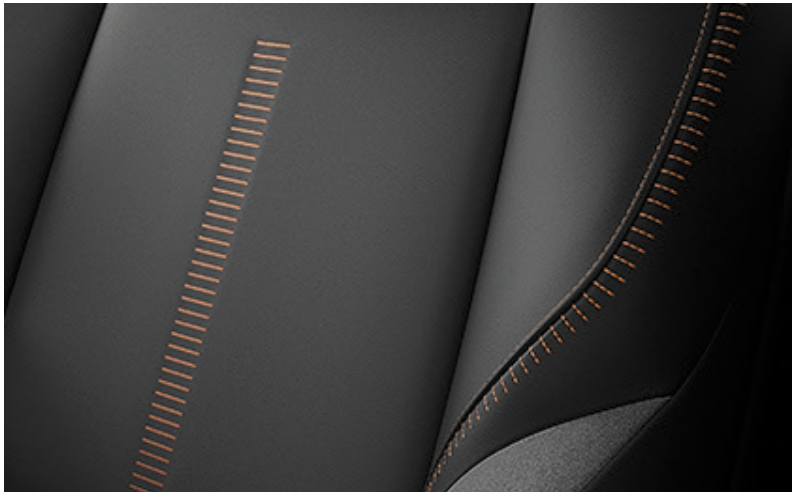
COOL

This theme captures the essence of the ‘Premium Casual’ concept, showcasing a modern and refined ambience through the contrasting blend of genuine leather and ultrasuede, complemented by playful stitching and embroidery.



Seat stitching

(Satin stitching) Embroidery is positioned exquisitely in the center, and uses the gloss of threads to create luster and three-dimensional impression among the simplicity, expressing an elaborately crafted sense of depth.
(Quilt stitching) Quilt stitching is coordinated with the line width of embroidery on the semi-aniline leather and suede seats, highlighting playful touches and creating an impressive presence.

<INTERIOR COLORS/SEATING MATERIAL>

	SEATING MATERIAL/TRIM
INTERIOR COLORS	Semi-aniline Leather x Ultrasuede
Black & Dark Gray	●
Saddle Tan	–
Solis White	–
Mauve	–

●: Available combination.

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RELAX

This theme presents a world of HIGH-LUXURY, seamlessly combining serenity and opulence. With the exquisite touch of semi-aniline leather, embellished with intricate embroidery and a sophisticated saddle tan color, it offers a premium space that reaches far beyond its class.

Seat stitching

(Tatami stitching) The line embroidery acts as a 'spice' for the smooth texture of semi-aniline leather, expressing an even more quality feel.
(Double stitching) The double stitching on the seat sides subtly expresses a sophisticated world view, the simple lines accentuating the high quality of the interior.

<INTERIOR COLORS/SEATING MATERIAL>

	SEATING MATERIAL/TRIM
INTERIOR COLORS	Semi-aniline Leather
Black	●
Saddle Tan	●
Solis White	–
Mauve	–

●: Available combination.

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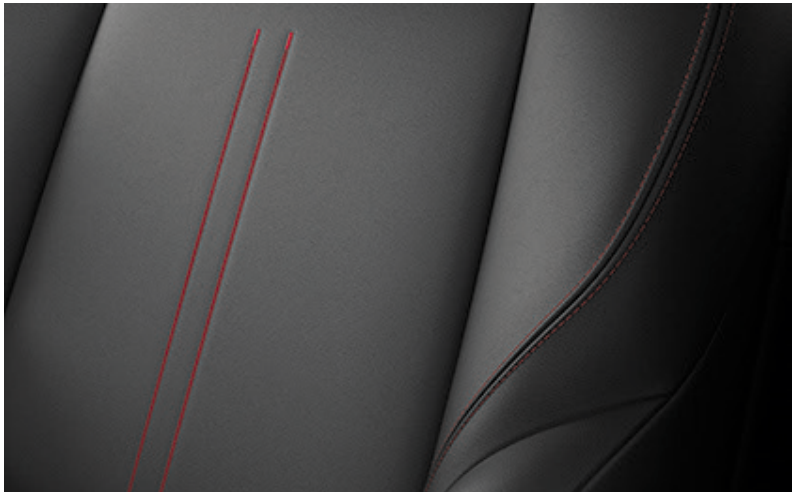
ACTIVE

An active, sporty space with a sophisticated sense of playfulness is expressed by incorporating high-intensity red embroidery and stitching onto black synthetic leather.



Seat stitching

(Tatami stitching) An embroidery consisting of two thin lines with a fine tatami-style texture expresses a sophisticated and active impression together with the double stitching provided on the seat sides.
(Double stitching) The double stitching on the seat sides subtly expresses a sophisticated world view, the simple lines accentuating the high quality of the interior.

<INTERIOR COLORS/SEATING MATERIAL>

	SEATING MATERIAL/TRIM
INTERIOR COLORS	Synthetic Leather
Black	●
Saddle Tan	–
Solis White	–
Mauve	–

●: Available combination.

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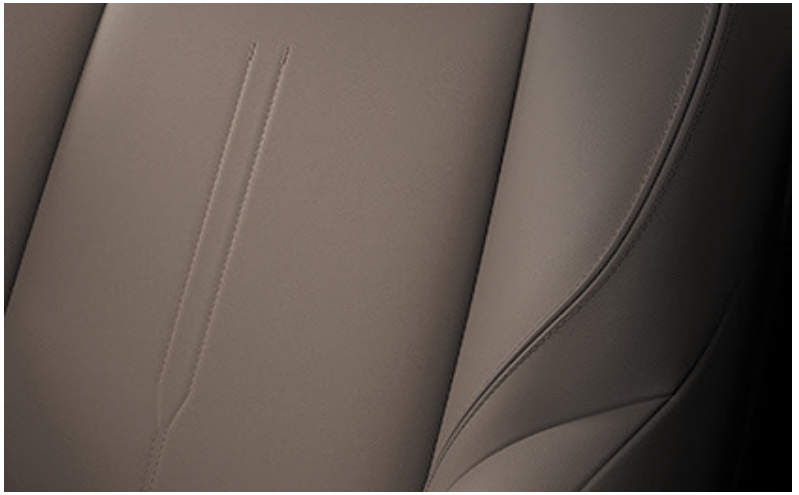
ELEGANT

This interior theme embodies a clean, yet inviting modern interior of the future. The subtle satin-stitched embroidery seamlessly connects the linear and crank motifs of the center console design, elevating the space with a captivating and nuanced aesthetic.



Seat stitching (Satin stitching/Double stitching)

(Satin stitching) Satin stitch embroidery in the seatback features a glossy thread, providing an elevating touch to the fine double lines that form a crank motif, and highlighting the elegant ambience of this simple, neat space.
(Double stitching) The double stitching on the seat sides subtly expresses a sophisticated world view, the simple lines accentuating the high quality of the interior.

<INTERIOR COLORS/SEATING MATERIAL>

	SEATING MATERIAL/TRIM
INTERIOR COLORS	Synthetic Leather
Black	–
Saddle Tan	–
Solis White	●
Mauve	●

●: Available combination.

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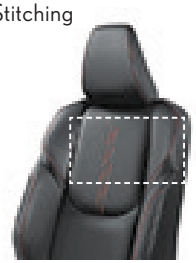
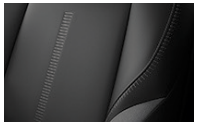
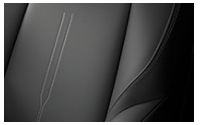
“Bespoke Build”

Customize your LBX to your personal style by selecting from a vast range of exclusive interior enhancements.

		L-Aniline Leather			
		Semi-aniline Leather			
Seat material color		Black	Solis White	Ocher (Bespoke Build exclusive color)	Dark Rose (Bespoke Build exclusive color)
Seatbelt webbing color		Fawn, Dark Rose, Black, Saddle Tan	Fawn, Saddle Tan, Black		Black, Dark Rose, Fawn
Stitching 	Color	Black, Light Gray, Red, Copper, Shell	Black, Light Gray, Copper, Shell	Black, Light Gray, Ocher, Shell	Black, Light Gray, Red
	Embroidery	COOL	RELAX	ACTIVE	ELEGANT
Trim ornamentation 		Type A*1 *1. Set with COOL type embroidery.		Type B*2 *2. Set with embroidery except COOL type	
Color scheme Steering and shift knob		Black  *The steering wheel and shift lever are also black.	Type A  Black, Base color	 Black or Base color *Steering wheel and shift knob color scheme can be selected from Black or the same color as the seat (L-aniline leather seat, Type A only).	Type B  Base color, Black

		Ultrasuede	
Seat material color		Black 	Dark Rose (Bespoke Build exclusive color) 
Seatbelt webbing color		Fawn  Dark Rose  Black  Saddle Tan 	Black  Dark Rose  Fawn 
Stitching 	Color	Black  Medium Gray  Red  Copper  Beige 	Black  Light Gray  Red 
	Embroidery	COOL  RELAX 	ACTIVE  ELEGANT 
Trim ornamentation 		Type A*1  *1. Set with COOL type embroidery.	Type B*2  *2. Set with embroidery except COOL type
Color scheme Steering and shift knob		Black 	Type C  * Ultrasuede only Base color Black

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.

“Bespoke Build” Examples

Semi-aniline Leather

Seat material color: **Black**
Embroidery & Stitching color: **Light Gray**
Seatbelt webbing color: **Fawn**
Trim ornamentation: **Type A**

Seat material: **Semi-aniline leather**
Exclusive color scheme: **Type B**

L-Aniline Leather

Seat material color: **Solis White**
Embroidery & Stitching color: **Shell**
Seatbelt webbing color: **Fawn**
Trim ornamentation: **Type B**

Seat material: **L-Aniline genuine leather**
Exclusive color scheme: **Type A**

L-Aniline Leather (Exclusive color)

Seat material color: **Ocher**
Embroidery & Stitching color: **Shell**
Seatbelt webbing color: **Black**
Trim ornamentation: **Type B**

Seat material: **L-Aniline genuine leather**
Exclusive color scheme: **Type A**

Ultrasuede (Exclusive color)

Seat material color: **Dark Rose**
Embroidery & Stitching color: **Light Gray**
Seatbelt webbing color: **Dark Rose**
Trim ornamentation: **Type A**

Seat material: **Ultrasuede**
Exclusive color scheme: **Type C**

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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 LBX 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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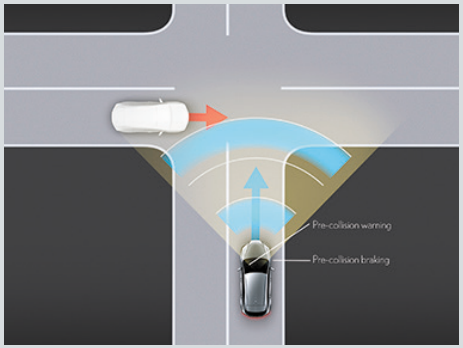
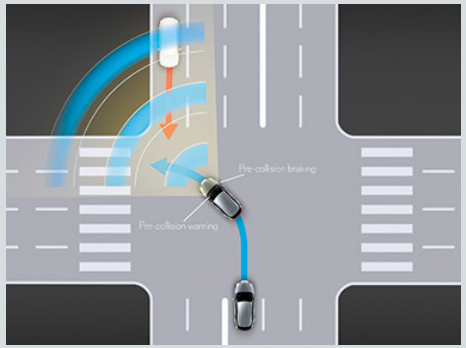
Pre-Collision System

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.



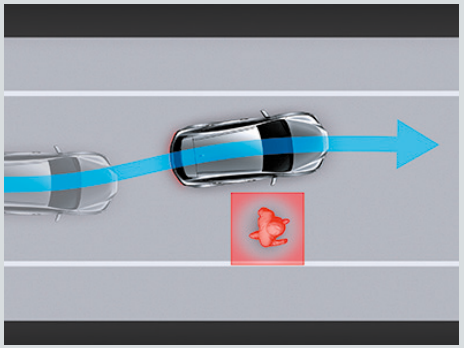
Intersection Assistance (Crossing Vehicle)

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

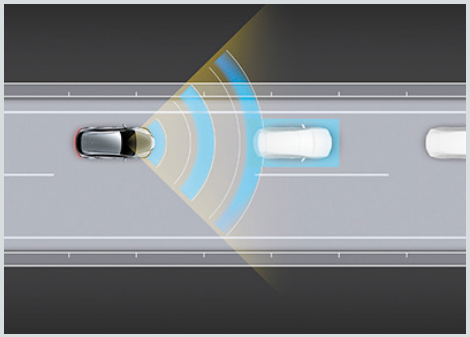
If the Emergency Steering Assist system detects a collision with a vehicle, motorcycle, pedestrian or bicyclist ahead is likely, there is sufficient space for the vehicle to be steered within its lane and the driver has begun an evasive steering maneuver, it assists steering to help enhance vehicle stability 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.

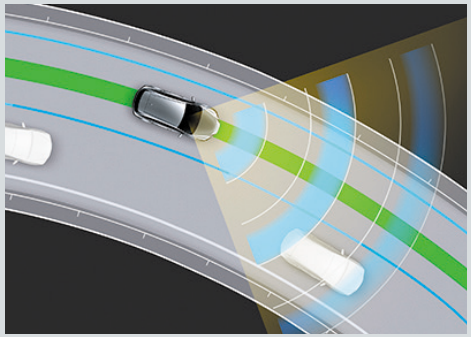
Acceleration Suppression at Low Speed

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



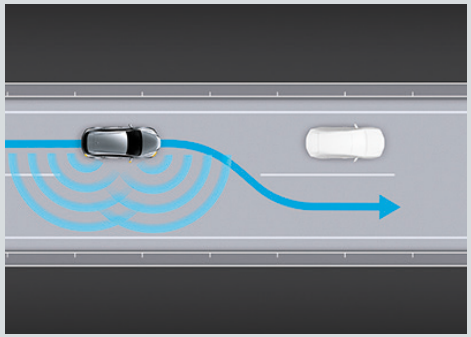
Dynamic Radar Cruise Control (With full speed range)

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

AHS (Adaptive High-beam System)

The system detects the headlamps and tail lamps of other vehicles on the road, and the ambient brightness of the road and surrounding areas. When it detects a vehicle within the area illuminated by the high beams, it will individually dim/brighten 12 LEDs in each headlamp to precisely control the lit and unlit areas, optimizing light distribution for both the driver and other road users. By partially dimming light from the high beam headlamps so that they don't directly shine towards another vehicle on the road, the system helps enhance visibility at night.

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.

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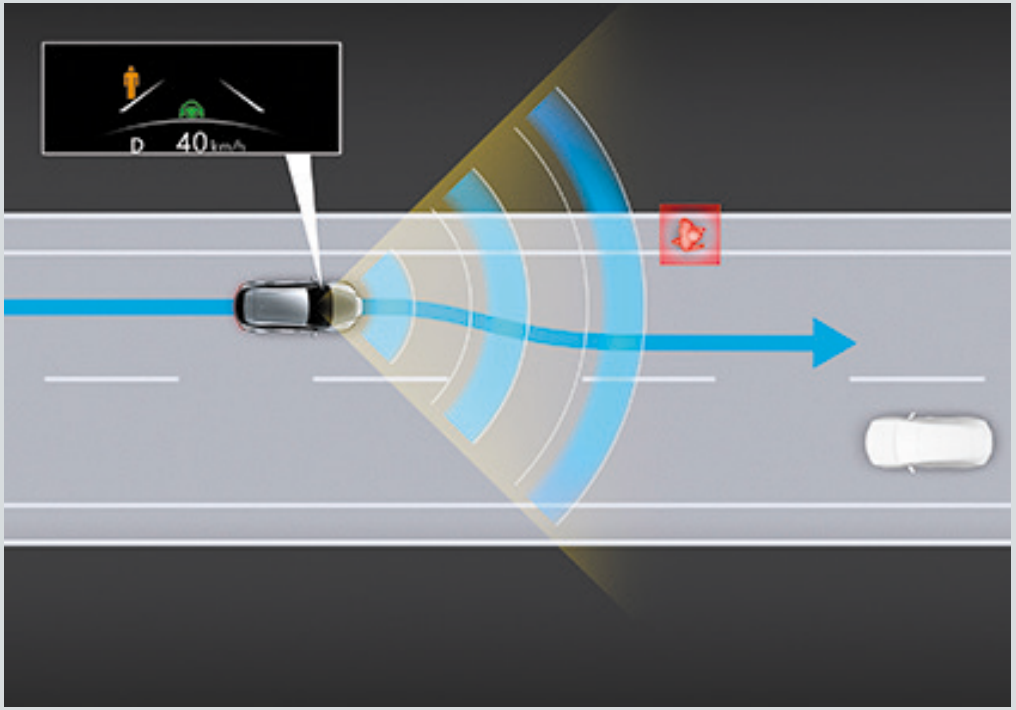
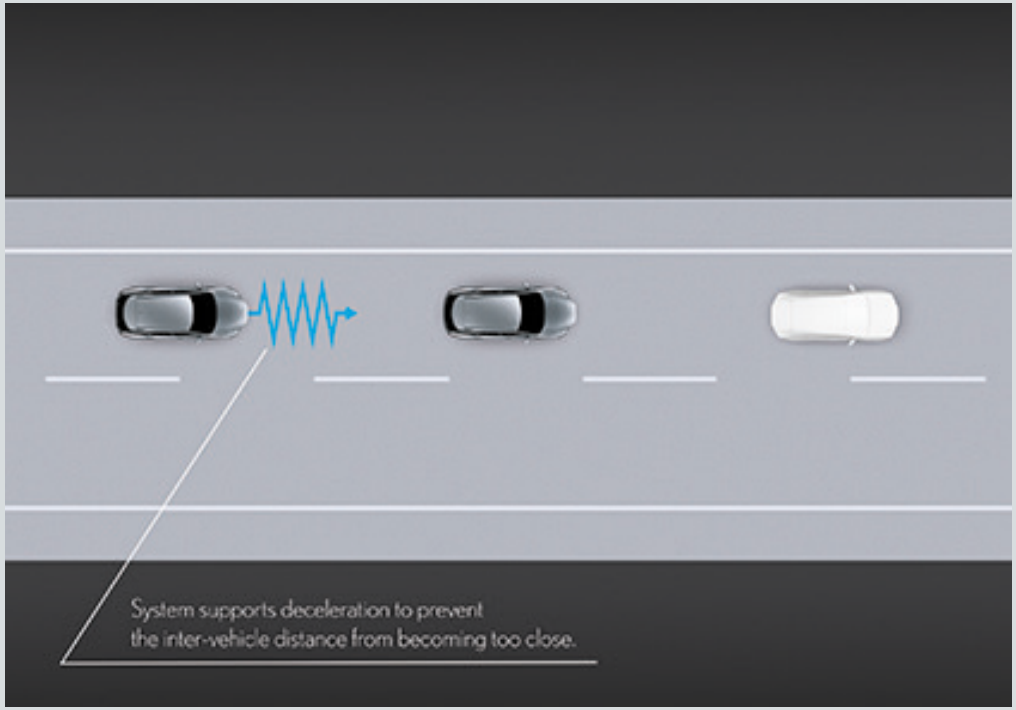
PDA (Proactive Driving Assist)

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.



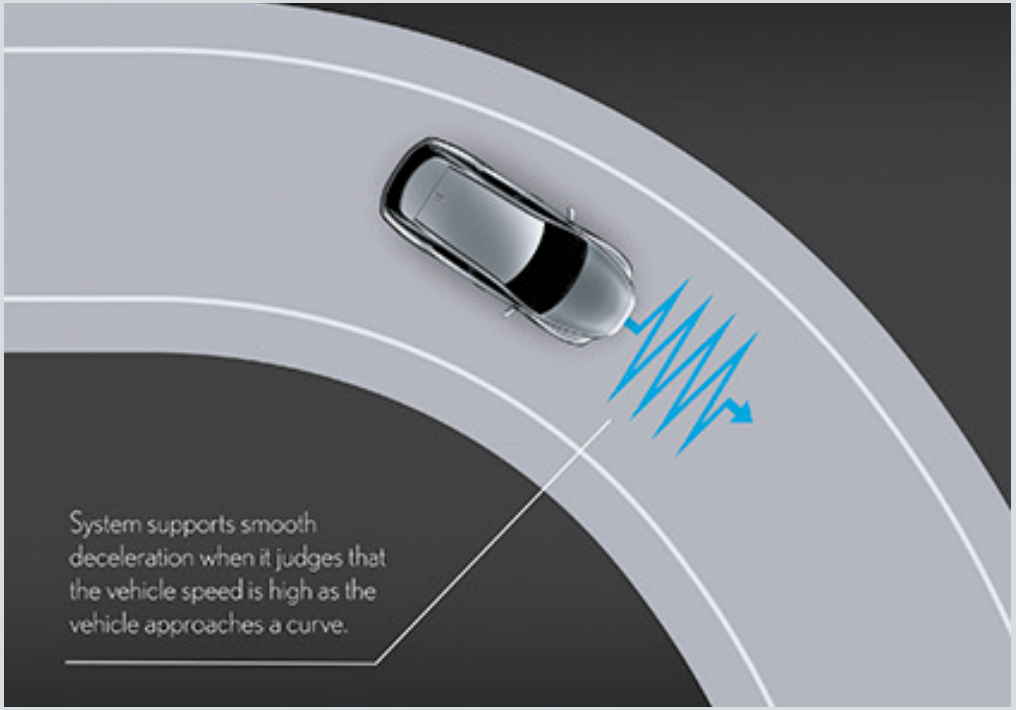
PDA (Steering/deceleration support in response to pedestrians/bicyclists/ parked vehicles)

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.



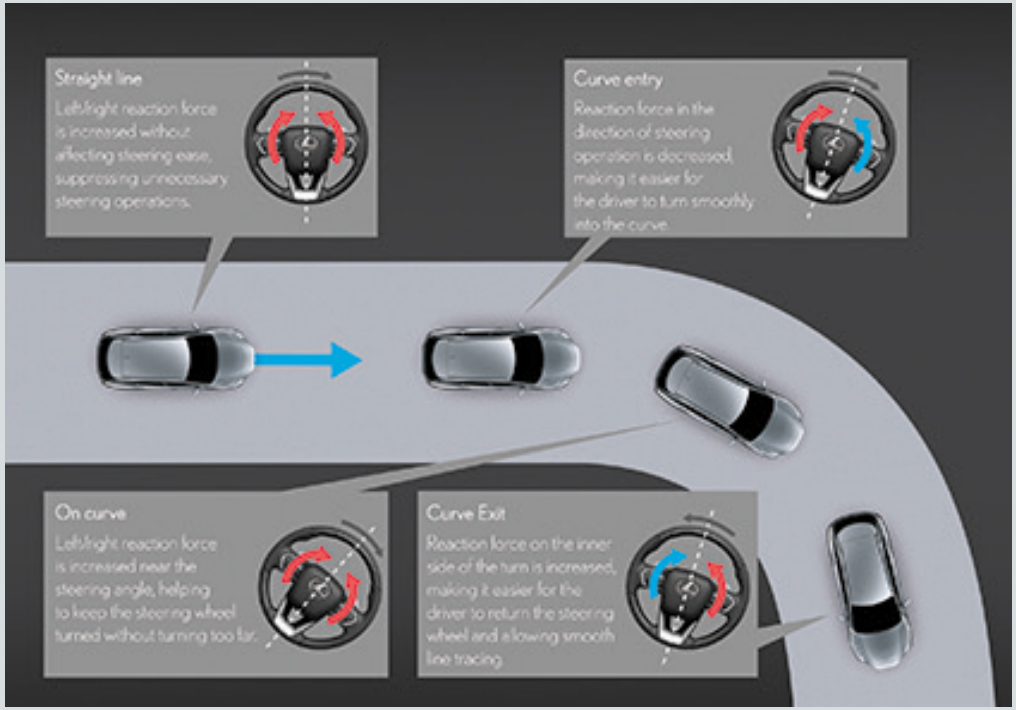
PDA (Deceleration support in response to preceding vehicles)

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.

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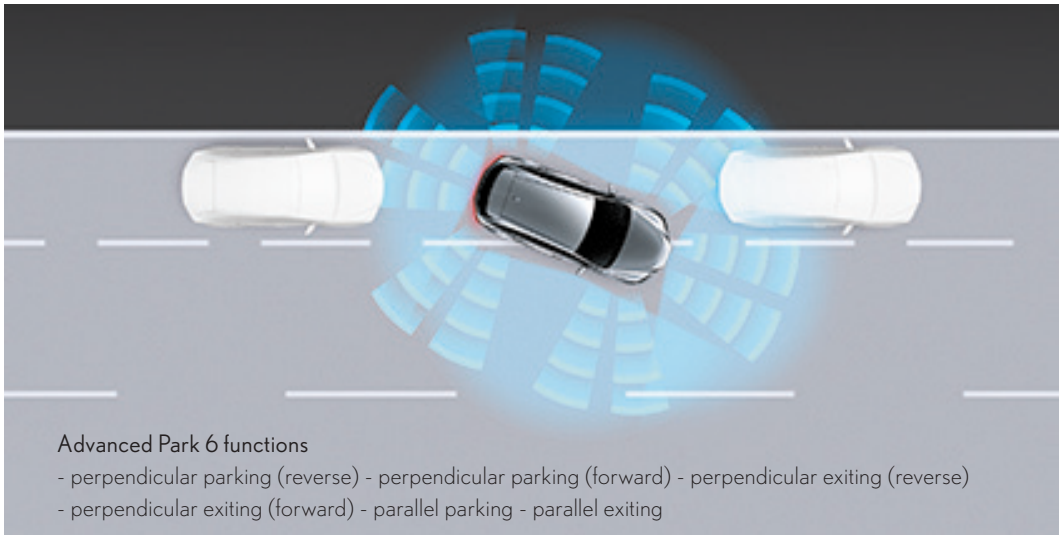


Advanced Park 6 functions
- perpendicular parking (reverse) - perpendicular parking (forward) - perpendicular exiting (reverse)
- perpendicular exiting (forward) - parallel parking - parallel exiting

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. 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.*1

BSM (Blind Spot Monitor)

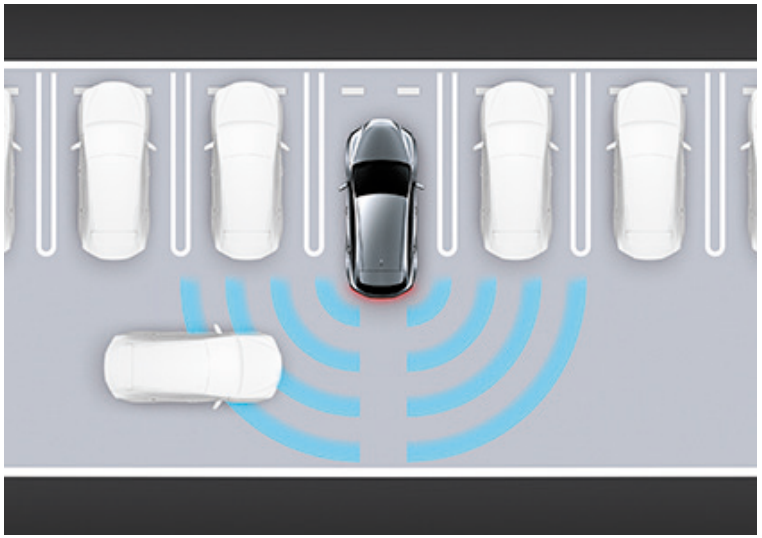
During lane changes, the BSM uses rear lateral side millimeter-wave radar to detect vehicles present in the blind spots (areas in adjacent lanes that cannot be seen using the outer mirrors), and alerts the driver using an indicator in the outer mirror and a buzzer.

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.

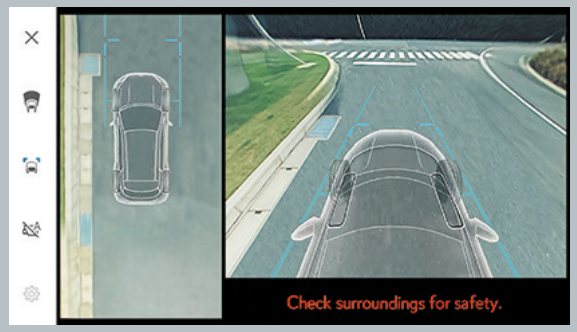
Secondary Collision Brake (Rear impacts while stopped)

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.

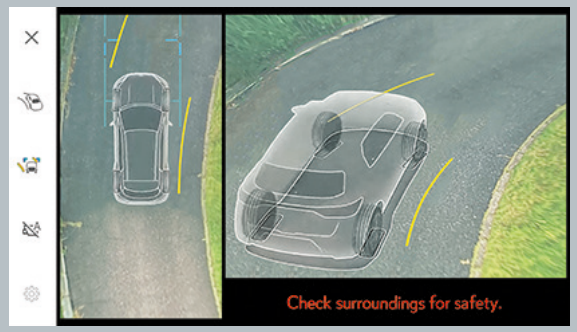


PKSB (Parking Support Brake)

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 and Side Clearance View



Panoramic View and Cornering View

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.

*1 Smartphone operation requires the driver to have an Electronic Key.
*2 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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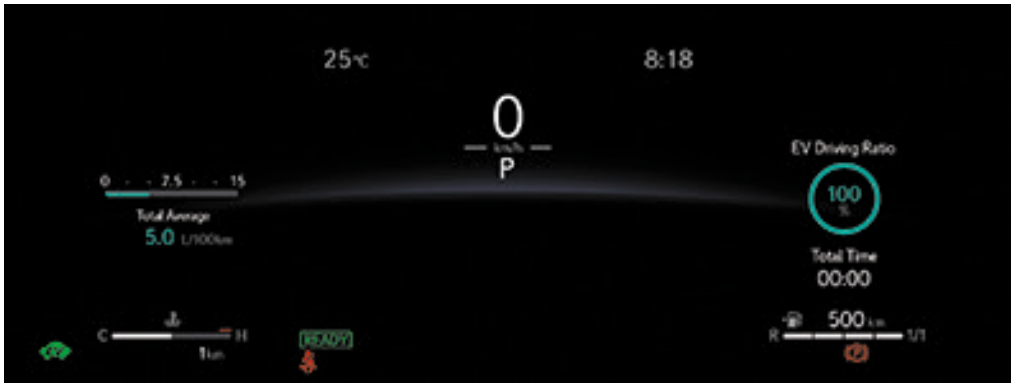
Other Equipment

Intuitive information displays that are a class above



12.3-inch meter

A large 12.3-inch full LCD meter has been incorporated to display relevant information in an easy-to-read format. This not only enhances the driver's ability to focus on driving, but also uses visual graphics that take full advantage of the large display screen.

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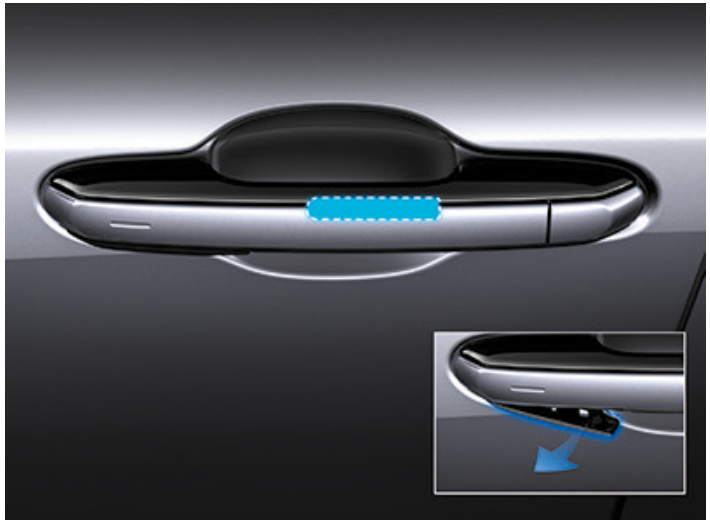
Advanced functionality enhances convenience



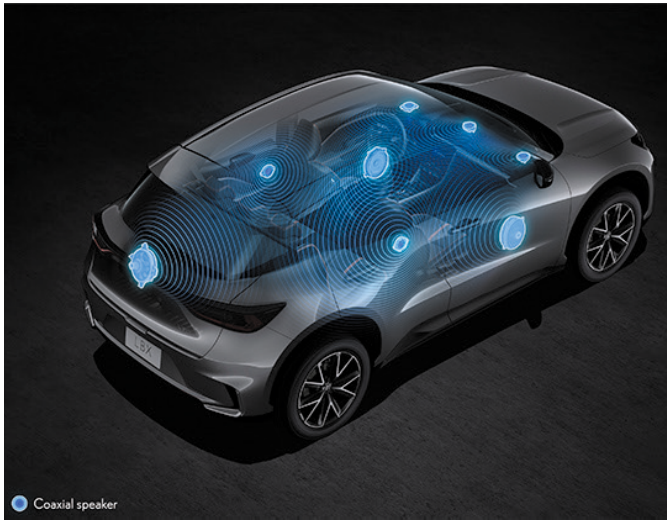
Wet-arm wiper

With a commitment to effortless and relaxing driving, wet-arm wipers have been introduced to prioritize visibility and maneuverability. These wipers reduce obstruction of visibility caused by washer fluid while driving, allowing for an optimal driving experience.

e-latch

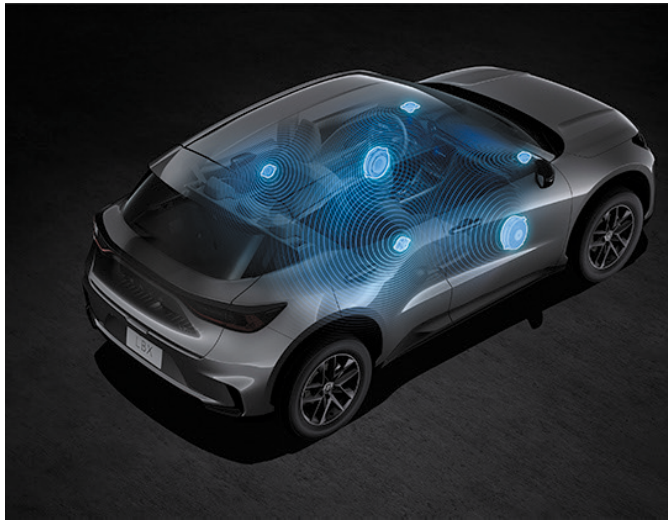
An e-latch system replaces the conventional door latch/unlatch mechanism with an electronic control that opens and closes doors smoothly with no wasted movements, like a sliding shoji paper door. To open a door when getting in, simply press the switch on the inside of the door handle while pulling the 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.

Enjoy refined comfort control and premium sound



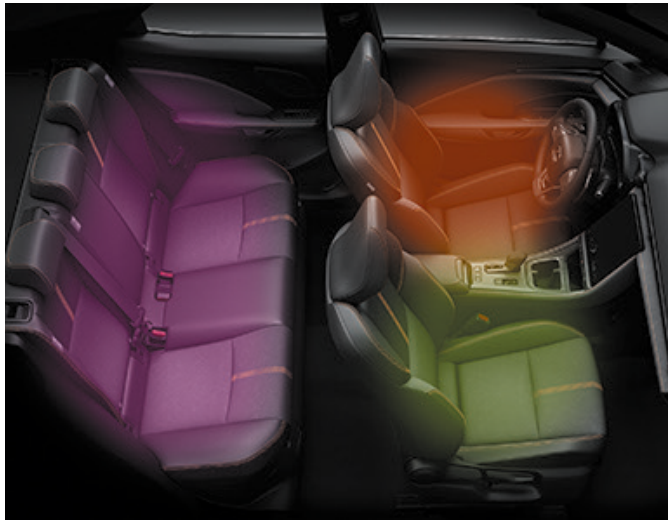
Mark Levinson Premium Surround Sound System

This premium 13-speaker sound system features 5 Unity speakers that integrate a tweeter and mid-range speakers, woofers in the front doors, and a 22.4cm box subwoofer under the rear deck to provide high-quality, distortion-free sound. It features QLS (Quantum Logic Surround) sound technology to create a precise stage feel, with high clarity and definition.



Lexus LBX Premium Sound System

The 6-speaker Lexus system supports high-resolution playback that reproduces the balanced and detailed expression of a live performance, with realistic vocals and a powerful bass, creating a relaxed and inviting acoustic space that provides occupants with an exceptional audio experience.



Lexus Climate Concierge

Lexus Climate Concierge coordinates with independent left and right temperature controls for the driver and front seat passenger to automatically control the front seat heaters and steering wheel heater when the heater is on, providing optimal comfort for each occupant.

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EXTERIOR COLORS

Sonic Quartz <085>

Silver Metallic <1F7>

Astro Gray Metallic <1H5>

Sonic Chrome <1L1>

Black Mica <209>

Red Spinel <3U5>

Sonic Copper <4Y5>

Passionate Yellow <5A3>

Deep Azure Mica Metallic <8W7>

BI-TONE EXTERIOR COLORS


Silver Metallic/Black <2LB>


Passionate Yellow/Black <2PQ>


Red Spinel/Black <2TB>


Deep Azure Mica Metallic/Black <2VT>


Sonic Copper/Black <2YF>


Sonic Chrome/Black <2YH>


Sonic Quartz/Black <2YM>


Astro Gray Metallic/Black <2YN>

WHEELS


17-inch aluminum wheels
(Medium Gray Metallic)


17-inch aluminum wheels
(Silver Metallic)


18-inch aluminum wheels
(Dark Premium Metallic, High)


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


18-inch aluminum wheels
(Black, ILA)


18-inch aluminum wheels
(Black PVD, ILA)

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INTERIOR COLORS

Black/Dark Gray (COOL)

Black (ACTIVE)

Black/Dark Gray (URBAN)

Solis White (ELEGANT)

Mauve (ELEGANT)

Saddle Tan (RELAX)

Black (RELAX)

INTERIOR TRIM

Black/Dark Gray (COOL)

Black (ACTIVE)

Black/Dark Gray (URBAN)

Solis White (ELEGANT)

Mauve (ELEGANT)

Saddle Tan (RELAX)

Black (RELAX)

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

MAIN FEATURES <LBX> FOR EUROPE

EXTERIOR
- Bi-Beam LED headlamps; auto-leveling system
- Headlamp cleaners
- LED side turn signal lamps
- LED DRL (Daytime Running Lamp)
- LED cornering lamp
- LED front and rear fog lamps
- Windshield green glass; acoustic glass, UV-cut function
- Front door, rear door and back door 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, memory
- Automatic anti-glare door mirror (Driver's side)

INTERIOR
- Automatic anti-glare interior mirror
- 2.3-inch full graphic meters
- Color TFT (Thin Film Transistor) multi-information display
- Leather steering wheel
- Center console box with sliding lid
- Wireless charger
- Vanity mirrors and lamps (Front seats)
- Cupholders (Front seats)
- Lower tray
- Door pockets (Front and rear doors)
- Multi-color ambient illumination
- Lexus Climate Concierge
- nanoeX
- Auto air conditioning system; front seat independent temperature controls, clean air filter with pollen and odor removal function

OPERATION
- Advanced Park; remote control function
- Power tilt and telescopic steering column
- Steering wheel control switches
- Position memory switches; 3-memory for driver's seat
- Outside and inside door handles; e-latch system
- Digital Key
- Smart Entry & Start System
- Panoramic View Monitor
- Parking Assist Monitor
- Power back door

NAVIGATION AND AUDIO
- Lexus Navigation System
- 9.8-inch EMV (Electro Multi-Vision) touch display; Apple CarPlay and Android Auto compatible
- Mark Levinson Premium Surround Sound System; AM/FM radio, in-dash DVD player, 13 speakers, MP3 and WMA play compatible, DSP, ASL, QLS (Quantum Logic Surround)
- Lexus LBX Premium Sound System; AM/FM radio, in-dash DVD player, 6 speakers, MP3 and WMA play compatible, DSP, ASL
- Bluetooth function; hands-free calling, wireless connection with AV-profile compliant player
- 2 USB ports (Instrument panel)
- USB/accessory socket (Lower tray)
- 2 USB ports (Console rear end)
- Accessory socket (Rear deck)

SEATS
- 8-way power driver's seat
- 6-way manual driver's seat
- 6-way (or 4-way) manual front passenger's seat
- 2-way power lumbar support (Driver's seat)
- Seat heater (Front seats)
- Power easy access system (Front seats)
- 60/40 split, space-up rear seats

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
- Hill-start Assist Control
- SRS (Supplemental Restraint System) airbags (Front seats)
- SRS knee airbag (Driver's seat)
- SRS side airbags (Front seats)
- SRS curtain shield airbags (Front door and rear windows)
- SRS front center airbag
- 3-point ELR seatbelts (All seats)
- Pretensioners and force limiters (Front seats)
- Anchor bars for fixing ISOFIX-compliant child seat (Second-row seats)
- CRS (Child Restraint System) top tether anchors (Second-row seats)
- Security system; alarm, immobilizer system
- Passenger's and rear seat reminder
- AL-TPWS (Auto Location-Tire Pressure Warning System)

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

SPECIFICATIONS <LBX> FOR EUROPE

DIMENSIONS & WEIGHT

Overall length:		4,190mm
Overall width:		1,825mm
Overall height:		1,560mm, 1,550mm*1
Wheelbase:		2,580mm
Tread:	Front	1,570mm
	Rear	1,570mm
Curb weight:		1,280-1,330kg (FF), 1,365-1,414kg (AWD)
Gross vehicle weight:		1,755kg (FF), 1,820kg (AWD)

CHASSIS

Suspension:		MacPherson strut type (Front)/ Torsion beam type (Rear: FF), 2-link double wishbone type (Rear: AWD), coil springs, gas-filled shock absorbers, stabilizer bar
Steering system:		Rack and pinion. EPS (Electric Power Steering)
Brakes:	Front	282mm ventilated discs
	Rear	265mm (FF)/281mm (AWD) discs
Minimum turning radius (Tires):		5.2m
Fuel tank capacity:		36 liters
Tires:		225/55R18, 225/60R17

ENGINE

Type:	1.5-liter, 3-cyl. in-line Twin Cam 12-valve (M15A-FXE, unleaded)
Piston displacement:	1,490cc
Max. output:	67kW/5,500rpm (EEC net)
Max. torque:	120Nm/3,600-4,800rpm (EEC net)
Fuel system:	EFI (Electronic Fuel Injection)

MOTORS

Front motor:	Type:	Permanent magnet motor (1VM)
	Max. output:	69kW
	Max. torque:	185Nm
Rear motor:	Type:	Induction motor
	Max. output:	4.7kW
	Max. torque:	52Nm
Total system output*2:		100kW

BATTERY

Type:	Nickel-metal hydride (NiMH)
Capacity:	5.0Ah

*1 Vehicle equipped with 215/60R17 tires.
*2 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.


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