

Toyota Breaks the Sameness Barrier With All-New 2021 Venza Crossover

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PLANO, Texas (May 18, 2020) – With a striking new debut, Toyota is breaking the sameness barrier in the midsize two-row crossover utility vehicle (CUV) category. The all-new 2021 Venza delivers an intuitive driving experience with smooth acceleration, predictable handling, and low noise, vibration, and harshness (NVH), all wrapped in a sophisticated design.

The all-new 2021 Venza comes equipped exclusively with the Toyota Hybrid System II powertrain and advanced Electronic On-Demand All-Wheel Drive. Along with comfortable urban and highway performance, Venza is expected to have impressive fuel efficiency, with a preliminary manufacturer-estimated 40 MPG combined fuel economy in LE trim.

The 2021 Venza, which will be assembled at the Takaoka Plant and arrives in Toyota dealerships this summer, is built around a version of the Toyota New Global Architecture K platform that underpins some of the company's sedans and crossovers. As such, Venza delivers the best of both worlds: sedan-like driving comfort and CUV versatility.

The 2021 Venza offers ample room for five in a highly maneuverable package. A host of tech-focused features

are available, including a 12.3-inch touchscreen display with nine JBL speakers, 7-inch multi-information display (MID), digital rear-view mirror, and 10-inch color Head-Up Display. Other available features include a Star Gaze™ fixed panoramic glass roof, a first-ever for Toyota, and heated and ventilated front seats that set the stage for true, graceful grand touring.

In addition to exemplary collision protection provided by the TNGA-K platform (projected to achieve top NHTSA safety ratings), the 2021 Venza comes standard with Toyota Safety Sense (TSS 2.0), a comprehensive suite of active safety systems that includes:

- Pre-Collision System with Daytime/Low-Light Vehicle and Pedestrian Detection, plus Daytime Bicyclist Detection (PCS)
- Full-Speed Range Dynamic Radar Cruise Control (DRCC)
- Lane Departure Alert with Steering Assist (LDA w/SA)
- Automatic High Beams (AHB)
- Lane Tracing Assist (LTA)
- Road Sign Assist (RSA)

Pre-Collision System with Daytime/Low-Light Vehicle and Pedestrian Detection, plus Daytime Bicyclist Detection, offers automatic braking capability should the driver not react in time in an emergency situation. Blind Spot Monitor (BSM) with Rear Cross Traffic Alert (RCTA) is standard on all grades, while XLE and Limited add Front and Rear Parking Assist with Automated Braking (PA w/AB).

Toyota Audio on the Big Screen

The 2021 Venza offers cutting edge entertainment and connectivity through intuitive and versatile Toyota audio systems. Audio Plus is standard on LE and XLE and includes an 8-inch touchscreen. Premium Audio with Dynamic Navigation and JBL is optional on XLE and standard on Limited and features a stunning 12.3-inch touchscreen display with controls that can be switched between driver or front passenger operation.

In addition to AM/FM radio, Toyota audio systems serve up a full roster of connectivity tech, including Apple CarPlay, Android Auto, and Amazon Alexa compatibility, Bluetooth wireless technology, and more. Apple CarPlay includes access to Siri, while Android Auto users can access Google Assistant.

All Venza grades come with SiriusXM All Access 3-month trial Satellite Radio and HD Radio along with Toyota Remote Services trial subscriptions. Available dynamic navigation features enhanced 2D landmark display, land guidance display, and freeway exit display. All Venza models will come equipped with Toyota Safety Connect with a one-year trial subscription.

The standard 6-speaker audio with 4-channel amplifier provides clean, powerful sound for all types of music. Fervent music lovers will want the sonically gorgeous JBL Premium Audio System with 9 speakers, including a rear subwoofer, powered by a 12-channel, 1,200-watt amp – the most powerful system launched in a Toyota to date. It was designed exclusively for Venza with unique speaker architecture and tuned to the specific cabin space.



Visibility Through Technology

Venza's top innovation is literally found on top of the vehicle. In a first for Toyota, the 2021 Venza offers an available Star Gaze™ fixed panoramic glass roof. The Star Gaze™ electrochromic glass technology allows drivers to switch from transparent to frosted modes within one second using the ON/OFF button. In the frosted mode, Star Gaze™ brightens the interior while reducing direct sunlight, giving the cabin an even more open, airy, and inviting feeling.

Visibility-enhancing technology surrounds the driver. The Venza LE grade features a 4.2-inch color MID, while XLE and Limited grades receive a 7-inch color MID. In either display, a Hybrid System Indicator shows the driver system output and regeneration status to encourage eco-driving habits. As used on other Toyota hybrid models, the display suggests the optimal acceleration amount for eco driving and provides a game-like scoring function for the driver.

An available 10-inch color Head-Up Display projects vital information at eye level, including speedometer, hybrid system indicator, and TSS 2.0 functions.

The available digital rearview mirror with HomeLink universal transceiver on the new Toyota Venza helps the driver see what's behind the vehicle. If rear passengers or luggage in the cargo area are blocking the view behind, a flip of a switch on the digital rearview mirror instantly provides the driver with a wide, unobstructed

view from a rear camera. The mirror also reduces glare from headlights. To further aid outward visibility, the Limited grade comes standard with Bird's Eye View Camera with Perimeter Scan, which provides a panoramic overhead view of the vehicle's surroundings.

The standard backup camera features projected path and dynamic gridlines, while an available rear camera cleaning system sprays washer fluid to clear away water droplets, mud, snow, and snow-melting road treatments from the lens. A standard hands-free power liftgate can be set to lock automatically upon closing. For additional convenience, XLE and Limited grades come standard with a Smart Key System that works on all five doors.

Hybrid Leader

Toyota made "hybrid" synonymous with high fuel efficiency more than 20 years ago with the first Prius. The Venza brings the number of Toyota Hybrids available to 10 – Mirai makes it 11 electrified vehicles – for 2021, more than any other brand.

The new-generation Toyota Hybrid System in the Venza combines a high-efficiency 2.5-liter DOHC four-cylinder engine with three electric motors in a highly compact system. The gas engine employs Variable Valve Timing-intelligent system by Electric motor (VVT-iE) on the intake camshaft, and VVT-i on the exhaust camshaft. A variable cooling system (electric water pump, electric thermostat) and a fully variable oil pump further help improve engine efficiency.

The proven tech seamlessly delivers 219 total system horsepower and a projected preliminary manufacturer-estimated 40 combined MPG in LE trim. As with all Toyota hybrids, the feeling of everyday acceleration and responsiveness is heightened by the way the electric motor boosts low-speed torque. The hybrid system optimizes the level of electric motor assistance and gas engine RPM without the engine running at high revs. Engine speed is synchronized with vehicle speed, yielding effortless and quiet acceleration. Venza's hybrid system adopts a newly-developed lithium-ion battery to enhance performance and size and weight.

Selectable NORMAL, ECO and SPORT driving modes let the driver tailor the Venza's performance personality. SPORT mode improves and sharpens throttle response, making fuel efficiency more fun. ECO mode changes the throttle and environmental logic to help the driver focus on maximizing mileage from the fuel and battery, while NORMAL mode is ideal for everyday driving. Additionally, EV mode allows electric-only driving at low speeds for short distances.

Using a sequential shifting feature, the driver can "downshift" to increase the regenerative braking in steps, which fosters greater control when driving in hilly areas, for example. As a bonus, the hybrid system enhances ride comfort by finely controlling the drive torque to suppress pitch under acceleration and deceleration.



Magically Reading the Road for Maximum MPG

Venza's Predictive Efficient Drive (PED) uses the navigation system operation to analyze driving habits and memorize road and traffic conditions to help optimize hybrid battery charging. When the driver selects PED, the system learns repeating routes and is designed to predict when and where the vehicle is likely to slow down or stop. Then, through optimum accelerator pedal release timing guidance, it can help reduce energy consumption.

PED can help optimize battery charging and discharge ahead of hills or traffic congestion. When approaching a downhill section, for example, the system is designed to apply additional engine braking force to more efficiently charge the hybrid battery after the accelerator pedal is released.

Very Smooth, Supremely Confident

The inherent strength of the TNGA-K platform is the extensive use of high-strength steel. This allows front strut and rear multi-link suspension tuning that helps foster handling agility while providing a supple, quiet ride.

Venza's handling is bolstered by an electronically controlled brake system featuring Active Cornering Assist (ACA), which engages the stability control to reduce understeer in certain cornering situations. The driver feels only the enhanced agility, not the system's operation.

The hybrid system uses a differential torque pre-load function, which enhances acceleration and deceleration

controllability when starting off or cornering on normal or slippery roads. The feature also helps enhance steering performance at higher speeds, straight-line stability and controllability on rough roads.

The 2021 Venza LE rolls on 18-inch multi-spoke two-tone alloy wheels, while XLE and Limited come standard with 19-inch multi-spoke super chrome finished alloy wheels.

All-Wheel Drive at its Smartest

The 2021 Venza comes standard with Toyota's Electronic On-Demand All-Wheel Drive, a highly efficient system that takes maximum advantage of the hybrid powertrain's benefits. Instead of using a transfer case and driveshaft to the rear wheels, Electronic On-Demand AWD employs a separate rear-mounted electric motor to power the rear wheels when needed.

It works seamlessly and transparently, preemptively distributing up to 80 percent of driving force to the rear wheels which helps suppress front wheel slip during off-the-line starts. The system also enhances cornering agility by helping to reduce understeer.

Torque distribution varies with conditions, from 100:0 in constant-speed driving to 20:80 on slippery surfaces. Torque distribution can be indicated on the Multi-information Display and audio system screen.



Seats of Comfort and Power

Venza provides exemplary comfort with standard power seats (8-way driver on all grades and 4-way passenger on Limited). The power driver's seat features an auto slide-away function. During driver entering or exiting, the seat automatically moves to the rearmost position to optimize ingress and egress. When the Venza is started, the seat moves to the last position set by the driver. Venza's seats are not only comfortable, but stylish, with unique seat bolster stitching standard on the Limited grade.

The Venza's available heated front seats can be adjusted in three levels. Ventilated front seats are standard on Limited and draw cool air from the air conditioning system into the seat for added comfort.

Venza employs S-FLOW cooling technology that first appeared on Lexus. The system directs air conditioning only to occupied seats, providing comfort and helping to reduce energy consumption. On the Limited and XLE with available 12.3-in display, the climate control system is operated with Intelligent Touch capacitive controls.

Quiet, Please!

For customers who seek premium experiences in a vehicle, keeping unwanted noise out is paramount. The 2021 Venza provides a surprisingly quiet cabin experience. Rather than simply aiming at a "numbers" goal for sound level (decibels), Toyota engineers created a calm atmosphere conducive to enjoying easy conversation or hearing music in cleaner detail.

The high-strength TNGA-K platform is the first defense against noise intrusion, curbing vibration through the steering, floor and structure. Suspension tuning resists road surface disturbances, tire noise is reduced via strategically placed insulation, and an acoustic glass windshield helps minimize wind noise.

That's just the beginning. Sound-blocking and absorbing insulation and body sealing material are placed throughout the structure, under the carpeting, and above the headliner. The materials and their placement were optimized to minimize noise in the frequencies that typically interfere with conversation.

As one example, the floor silencer pad is one large piece rather than separate segments. As a result, surface coverage reaches about 92 percent. Holes and gaps between parts are filled in with sound-damping material for greater road noise reduction.

Under the hood, sound-absorbing insulation around the engine compartment helps reduce intake noise, helped by the placement of two special resonance chambers that help minimize air intake noise in the 530Hz and 650Hz ranges.

Space for What Matters

The Venza doesn't take up a lot of space outside yet provides generous space inside. Cupholders can accommodate large drink sizes, while the center stack tray can handle the largest iPhone models. Door bottle holders can take 24-oz bottles.

Venza offers 36.3 cu. ft. of carrying space behind the second row. The lithium-ion battery pack is small enough to be installed under the rear seats, so it does not take up any cargo or passenger space. The standard tonneau cover can be stored in the storage space beneath the deck board when not in use.

Core Safety

The 2021 Venza is equipped with eight airbags, including side curtain airbags. Toyota's Star Safety System includes Enhanced Vehicle Stability Control (VSC), Traction Control (TRAC), Electronic Brake-force Distribution (EBD), Brake Assist (BA), Anti-lock Braking System (ABS), and Smart Stop Technology (SST).

Toyota Limited Warranty

Toyota's 36-month/36,000 mile basic new-vehicle warranty applies to all components other than normal wear and maintenance items. Additional 60-month warranties cover the powertrain for 60,000 miles and against perforation from corrosion for 60 months with no mileage limitation. Hybrid-related components that require repairs needed to correct defects in materials or workmanship are covered for 8 years/100,000 miles, whichever comes first from original date of first use when sold as new. The HV battery is covered for 10 years/150,000 miles, whichever comes first, and is transferrable across ownership.

The 2021 Venza also comes standard with ToyotaCare, a complimentary plan covering normal factory-scheduled maintenance, for two years or 25,000 miles, whichever comes first, and 2 years of Roadside Assistance, regardless of mileage.