

PRESS INFORMATION

November 2025

SV-7 GX



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Highlighted section titles indicate changes relative to the SV650 base model.

The Suzuki SV-7GX is an all-new entry in Suzuki's midweight lineup, created to bring crossover-class versatility to a broader market while retaining the distinctive performance and personality of the venerable V-twin-powered SV650. Developed on this proven platform, the SV-7GX also incorporates many of the features of the adventure-style V-Strom 650XT, while offering a compelling mix of sportbike agility, touring comfort, and highly intelligent rider aids—all in a slim, approachable package aimed at both new and experienced riders.


Suzuki defines crossover as the combination of a 17-inch on-road wheel setup—for responsive, street-oriented handling—with a commanding upright riding position that promotes comfort and control. This concept has been adapted to meet the needs of a wide range of riders, from those stepping up to their first new large-displacement motorcycle to experienced enthusiasts seeking a lighter and more agile riding machine.

At its heart is Suzuki's 645 cm³ 90-degree V-twin engine, renowned for its smooth yet power-packed torque delivery, refined character, and exceptional reliability—qualities honed over more than two decades and over 500,000 units sold. Now enhanced by ride-by-wire throttle control, three-step drive mode selection, traction control, and a bi-directional quick shifter, the SV-7GX delivers confident performance from city streets to winding backroads.

The new SV-7GX styling combines the upright stance of a street bike with the sleek, dynamic lines of an adventure tourer. Wind tunnel-tested bodywork integrates a protective half cowl, a three-position adjustable windscreen, and standard knuckle covers for comfort in diverse conditions.

Rider-friendly ergonomics—including its relatively low 795 mm seat height, optimized handlebar position, and narrow midsection for easy foot placement—make the SV-7GX equally suited for daily commutes and long weekend rides. A lightweight yet rigid chassis, complemented by other class-leading standard equipment, ensures stability and comfort across a wide range of road surfaces.

Practicality is built in with features like a fully integrated rear carrier, LED lighting, and a color TFT instrument panel with easy smartphone connectivity and turn-by-turn navigation. The SV-7GX stands as an all-new crossover standard: accessible, versatile, and ready to deliver the full joy of riding in every situation, while proudly carrying forward the spirit of Suzuki's legendary V-twin heritage.

	Street SV650	Crossover SV-7GX	Adventure tourer V-Strom650
			
Engine	V twin	V twin	V twin
Wheel size(Front)	17 inch	17 inch	17 inch
Riding Position	Forward-leanig	Up-right	Most Up-right
Faring	None	Half cowl	Half cowl

“With every beat, the experience expands”

The SV-7GX was developed to establish a new standard in the midweight crossover category—a motorcycle that blends the comfort and everyday usability of a standard with the versatility and presence of a full-blown sport adventure bike, broaden every riding experience with each pulse of its V-twin heartbeat. Built on the SV650’s trusted V-twin platform and styled in the image of Suzuki’s own GSX-S1000GX, the SV-7GX delivers a road-focused crossover experience in a compact, approachable package.

Power comes from the SV’s proven 645 cm³ 90-degree DOHC V-twin engine, a hallmark of Suzuki engineering, praised for its smooth, tractable torque across the rev range and engaging character at higher rpms, with a distinctive rhythm that stirs both machine and rider. For the new SV-7GX, this engine is also paired with modern electronics, including Suzuki Drive Mode Selector (SDMS) riding modes, Suzuki Traction Control System (STCS), a bi-directional Quick Shift system, and Low RPM Assist for smooth and easy starts and enhanced low-speed operation. It delivers confidence and excitement.

The SV-7GX is engineered to be as confident in urban traffic as it is on winding mountain roads or long-distance rides, transforming every ride into a new story. Its lightweight chassis, upright stance, protective half cowl, adjustable windscreen, and standard knuckle covers all contribute to superb rider comfort and excellent weather protection.

Delivering genuine crossover versatility in an accessible and stylish form, the SV-7GX invites a broad spectrum of riders to experience the freedom of two wheels—whether commuting to work, exploring new roads, or embarking on weekend adventures. It’s a bike that invites you to feel every beat and discover how the experience keeps growing.



KEY PRODUCT FEATURES

Engine Features:

- 645 cm³ liquid-cooled 90° DOHC V-twin engine with over 25 years of proven performance delivers smooth, controllable power and a broad, linear torque curve.
- Uneven firing intervals create the distinctive V-twin pulse that defines the SV series while maintaining refined smoothness.
- Ride-by-Wire throttle system provides precise response and enables integration with SDMS riding modes, Suzuki Traction Control System (STCS), and a bi-directional Quick Shifter.
- Downdraft throttle bodies with optimized injectors and dual-spark iridium plugs improve combustion efficiency and throttle response while ensuring Euro 5+ compliance.
- Revised airbox and tuned 2-into-1 exhaust system enhance acceleration, intake sound, and emissions control.
- SCEM cylinder plating, coated pistons, and L-shaped piston rings reduce friction and ensure long-term durability.
- Efficient piston oil cooling and a robust crankshaft support reliable performance under load.
- Six-speed transmission with bi-directional Quick Shift allows seamless clutch-less upshifts and downshifts, reducing fatigue and enhancing ride quality.

SUZUKI Intelligent Ride System (S.I.R.S.) Features:

- Suzuki Drive Mode Selector (SDMS) better supports the rider in matching performance to the conditions of the riding scene, road conditions, or preferred riding style.
- Suzuki Traction Control System (STCS) with 3 mode settings (+ OFF) enables greater control over the bike's behavior under diverse riding conditions.
- Suzuki's ride-by-wire electronic throttle control system realizes throttle action that responds faithfully to the rider's intention.
- Suzuki's Bi-directional Quick Shift System (with ON/OFF settings) provides quicker, smoother, more assured shifting without operating the clutch lever while in motion.
- The ABS system contributes to more stable braking by helping prevent the wheels from locking up, even during hard braking.
- The Suzuki Easy Start System starts the engine with one quick press of the starter button.
- Suzuki's Low RPM Assist function helps maintain engine idle speed for smoother and easier starts.

Chassis Features:

- A lightweight tubular steel trellis frame delivers balanced rigidity, a low center of gravity, and slim proportions for agile, predictable handling.
- A strong tubular swingarm with oblong cross-section ensures excellent torsional strength, precise rear-wheel tracking, and stability when carrying a passenger or luggage.
- The newly designed 17.4 L fuel tank offers extended touring range while maintaining a slim, comfortable profile for easy knee grip.
- 41 mm telescopic forks provide responsive feedback and smooth ride quality over varied road surfaces.

- A compact, link-type monoshock rear suspension with 7-step preload adjustability delivers 129 mm of travel, tuned for both comfort and stability across urban, highway, and touring conditions.
- Dual 290 mm front floating discs with 4-piston calipers and a 240 mm rear disc provide strong, progressive stopping power, supported by ABS for consistent control in all conditions.
- New cast aluminum 10-spoke wheels, paired with Pirelli Angel GT II sport-touring radials (120/70ZR17 front; 160/60ZR17 rear), deliver grip, stability, and long-term durability.
- Upright ergonomics include a wide 740 mm tapered aluminum handlebar positioned closer to the rider than the SV650's, promoting relaxed control and reduced fatigue.
- Rider and passenger seats feature thicker, reshaped padding for long-distance comfort, with a manageable 795 mm seat height to maintain accessibility.
- A 3-step manually adjustable windscreen, integrated knuckle covers, and a standard molded rear carrier with large grab rails enhance touring practicality and weather protection.
- Slim, serrated aluminum footpegs improve comfort and control, while a discreet under-seat helmet hook adds everyday convenience.

Electric Equipment Features:

- Compact dual-function LED projector headlight provides bright low and high beams, flanked by slim LED position lights that create a sharp, distinctive front-end expression.
- Fully LED lighting system includes running lights, turn signals, and rear combination light for improved visibility and modern styling.
- Large 4.2-inch full-color TFT display ensures excellent visibility in all conditions.
- Multiple screen layouts let the rider prioritize performance metrics, touring data, or navigation prompts, with an automatic brightness sensor adjusting to ambient light.
- Suzuki Ride Connect+ smartphone integration (iOS and Android*) enables turn-by-turn navigation, notifications from incoming SIM CALL, SIM SMS, SNS CALL, SNS APP TEXT, Schedule, Weather Alert, Speed Alert and Traffic Alert display through the TFT interface. Even after leaving the vehicle, you can see the ODD, TRIP, fuel level, past fuel consumption, final vehicle parking location, travel path, and more information on the smartphone app screen.
- On-screen ride and bike data include real-time and average fuel consumption, ambient temperature, gear position, trip meters, maintenance reminders, traction control and ride mode status, and full speedometer/tachometer graphics.
- A USB-C port provides 5V/3A output to power electronic equipment, with convenient placement for unobstructed cable routing.
- The TFT display also serves as the central interface for SDMS drive modes, Traction Control settings, and Quick Shifter status, with all electronic systems easily adjusted using the intuitive left-handlebar switch.

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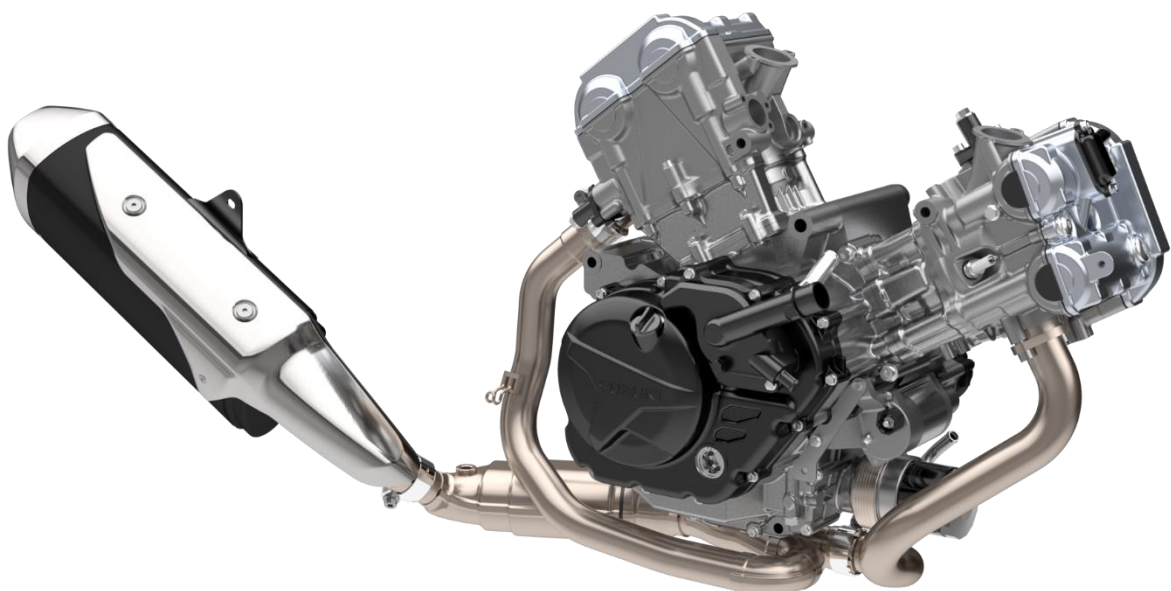
Styling & Design

- The SV-7GX expresses Suzuki's crossover identity with bold, refined, and sporty styling that blends the sharp, flowing lines of a sportbike with a confident, tall crossover stance.
- Two signature character lines define its athletic form—the upper line flows from the fuel tank to the front cowl, emphasizing height and strength, while the lower line follows the trellis frame for visual balance and agility.
- The dynamic front cowl, inspired by the GSX-S1000GX, features a sharp, protruding nose with compact LED headlights and twin “eye” LED position lights that project a focused, sporty look.
- Precision detailing in the upper cowl contrasts with layered lower elements to convey both refinement and technical sophistication.
- A semi-matte trellis frame, slim seat design, and sculpted side panels highlight the bike's narrow proportions and ease of control.
- Wind-tunnel-shaped half cowl and integrated grab rails combine protection, comfort, and practicality.



The Legend Lives on

At the core of the SV-7GX is Suzuki's legendary liquid-cooled 645 cm³ DOHC 4-valve 90-degree DOHC V-twin engine—a powerplant with over 25 years of proven performance and global acclaim. First introduced in 1999, this engine has earned a reputation for its slim, compact design, linear torque, and exceptional reliability, with more than 500,000 units produced to date. For the new SV-7GX, it has been refined to meet the demands of modern crossover versatility while preserving its distinctive, character-rich power pulses.



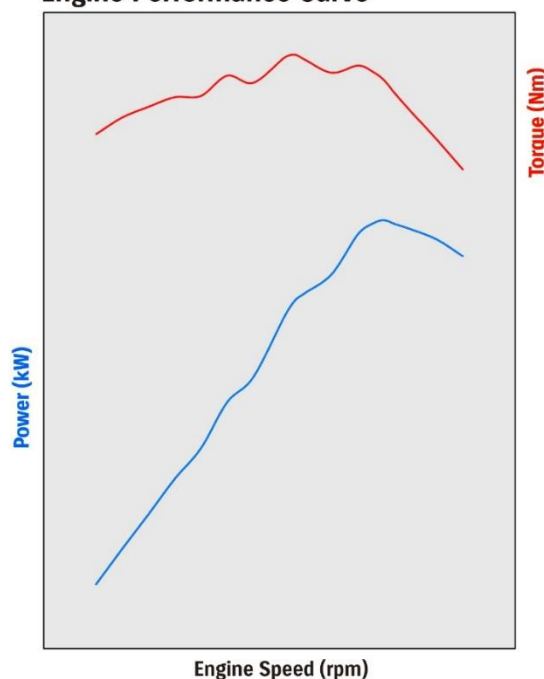
Enhanced Power Output and Delivery

Producing excellent power and torque throughout its rev range, the 90° V-twin engine delivers a broad, thoroughly accessible powerband worthy of its SV650 heritage. Pulling smoothly from low revs, the engine surges through the midrange, while remaining smoothly composed at higher rpms. The engine maintains strong torque even beyond its peak torque rpm, allowing it to rev smoothly and enjoyably through higher ranges. Its displacement is ideally balanced, giving riders the pleasure of opening the throttle and exploring the upper revs. Maintaining the uneven firing intervals that give this 90° DOHC V-twin its unique power pulses, the engine offers a rewarding combination of smoothness and responsiveness that makes it equally at home in city traffic and on winding backroads. This latest evolution of Suzuki's 645 cm³ V-twin engine blends enduring mechanical strength with modern electronic sophistication, delivering a riding experience that's engaging for veterans and inspires supreme confidence for beginners. It is the true pulsating heart of Suzuki's new crossover standard.

Displacement	645 cm ³
Engine type	4-stroke, 2-cylinder, liquid-cooled, DOHC
Bore x Stroke	81.0 mm × 62.6 mm
Compression ratio	11.2:1
Maximum Output	54 kW/8500 rpm
Maximum torque	64 Nm/6800 rpm
Fuel consumption (WMTC)*	23.8 km/L (4.2 L/100 km) in WMTC
CO ₂ emissions	97g/km

*Actual fuel consumption and CO₂ emissions may differ owing to conditions such as the weather, road, rider behavior and maintenance.

Engine Performance Curve



Mechanical Refinements and Longevity

As with the SV650, Suzuki Composite Electrochemical Material (SCEM) cylinder plating ensures optimal heat dissipation while reducing friction for superior long-term durability. In addition, the V-twin engine's fewer journals and rugged crankshaft bearings, as well as its highly effective oil-jet piston cooling enhance thermal stability and high-load performance. Coated pistons and L-shaped piston rings also help ensure minimized power-robbing friction, optimal sealing and reduce blow-by for long-term reliability.



SCEM Cylinder



Coated pistons and L-shaped piston rings

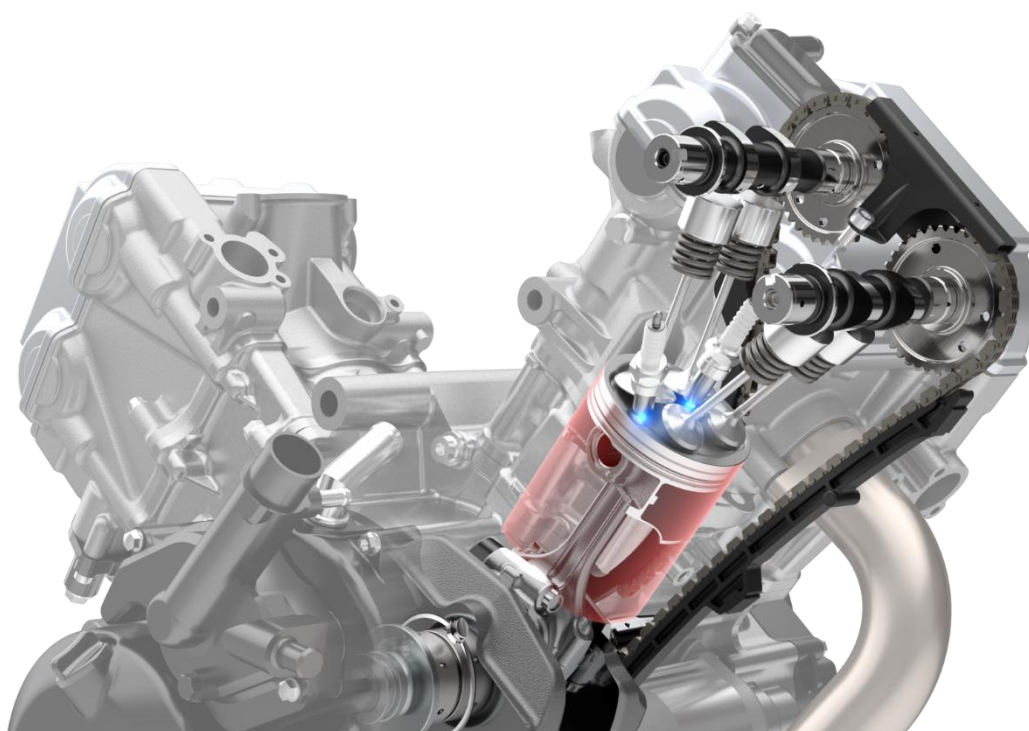
Powerplant Modifications

Suzuki has created a completely new set of intake specifications while maintaining the same maximum output level as the previous mechanical throttle version. In developing the output characteristics, we focused on achieving performance equivalent to the previous model within the limited layout space. From the prototype stage on, we conducted numerous experiments, and analyses to preserve the key levels—64 N·m of torque and 52 kW of maximum output—while keeping the overall character of the engine largely unchanged.

Users have long praised the engine's easygoing, approachable nature, so instead of making it peaky, we refined it to deliver solid torque starting at low speeds and smooth, responsive power all the way up to high rpm. The engine is designed to maintain its friendly handling while offering strong torque at low revs and clean acceleration to high revs—a balance of performance and ease of use.

Dual Iridium Spark Plugs

Equipped with dual iridium spark plugs per cylinder for more precise ignition and efficient combustion, delivering smoother power, and cleaner emissions.



Downdraft Intake Layout

The SV-7GX features a downdraft-style intake layout, positioning the air cleaner box directly beneath the fuel tank. Unlike a horizontal intake configuration that places the air cleaner under the rider's seat, this design frees space in the seat area, enabling a lower seat height and a slimmer profile where the rider straddles the bike.

This layout takes full advantage of the naturally compact dimensions of the V-twin engine, contributing to the SV-7GX's characteristic narrow midsection and superior rider comfort. The result is a design that combines refined packaging efficiency with the easy reach to the ground that riders have long appreciated in Suzuki's V-twin machines.

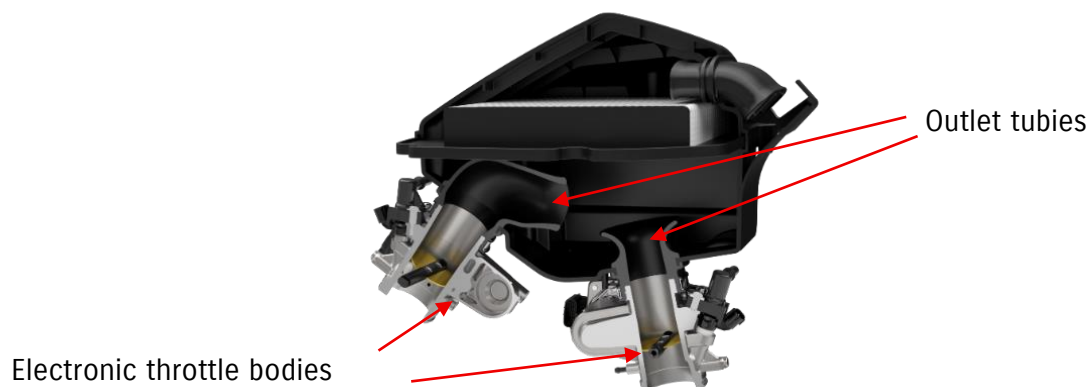


Tuned Intake with Electronic Throttle Bodies

The adoption of electronic throttle control not only ensures the SV-7GX's fine-tuned power delivery but also enables integration with such advanced electronic rider aids as the Suzuki Drive Mode Selector (SDMS), the Suzuki Traction Control System (STCS), and a bi-directional Quick Shifter for seamless gear changes that require no clutch lever operation.

To achieve output characteristics inspired by the renowned SV650, engineers fine-tuned the throttle response and intake system. The redesigned, shortened air cleaner outlet tube—completed after numerous prototypes were considered—delivers a power curve that opens up in the higher rev range, giving riders more excitement at peak performance.

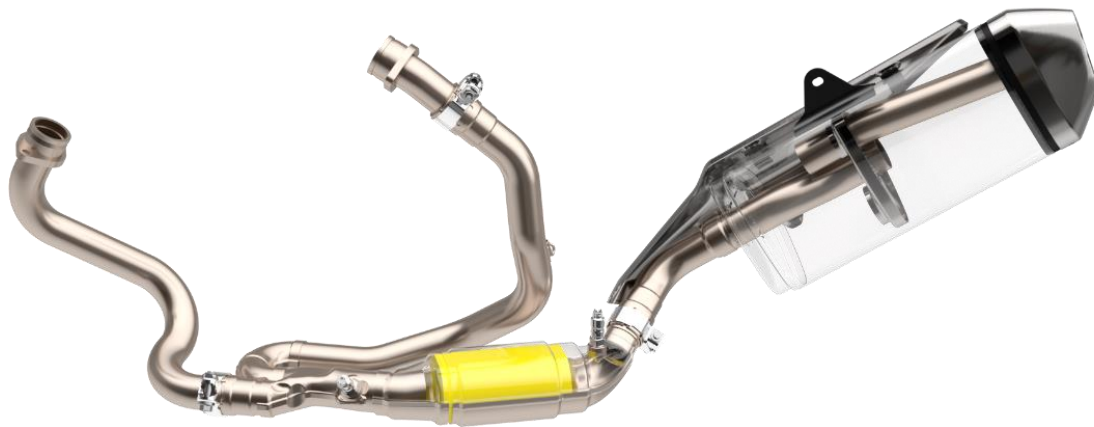
Just as with the SV650, special care was taken with the sound experience. The V-twin's distinct intake note has been refined so that, while riding, it conveys the energetic character of a true motorcycle—lively and engaging without being overpowering. The result is a machine that sounds as good as it feels, offering riders a uniquely authentic connection between engine and road.



2-into-1 Exhaust System

The compact 2-into-1 exhaust has been tuned for a resonant V-twin growl under load, yet remains unobtrusive at cruising speeds. Its catalyzer and new before-and-after oxygen sensors further ensure consistent emissions control to meet the latest EURO5+ emissions regulations.

An optimized catalyst is positioned within the exhaust system to ensure compliance with the latest emissions regulations. The system also incorporates oxygen sensors located before and after the catalyst, with both providing real-time feedback to the engine control unit. This dual-sensor configuration enables more precise air-fuel management, enhancing environmental performance while maintaining the V-twin's smooth, responsive character.



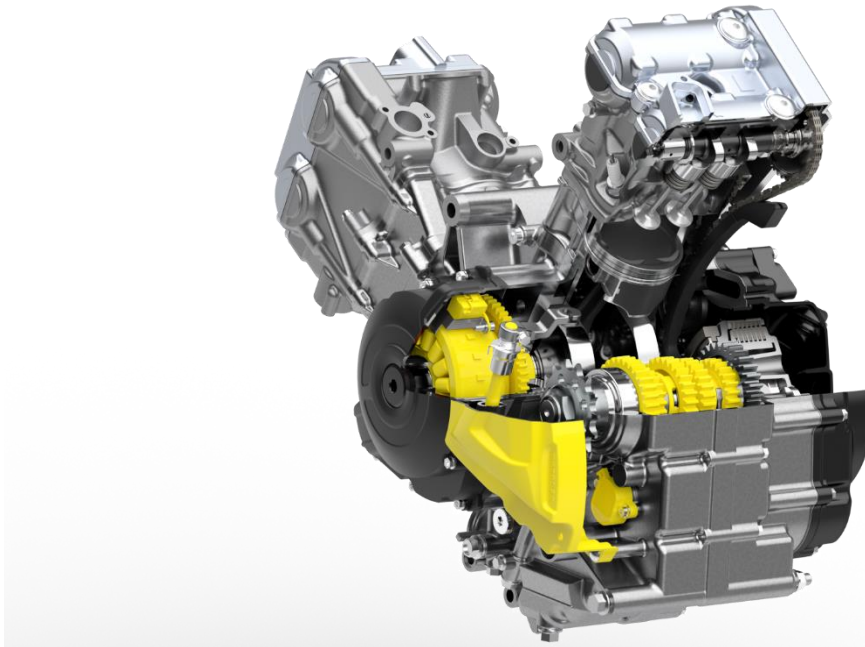
Satin Buff Finish Muffler Cover

The exhaust cover has undergone a redesign compared to the SV650. Its surface finish has been given a satin buff treatment, enhanced with a textured pattern that follows recent styling trends. Rather than a mirror-like shine, the finish emphasizes a metallic character, giving the part a premium and sophisticated appearance.



Engine Evolution

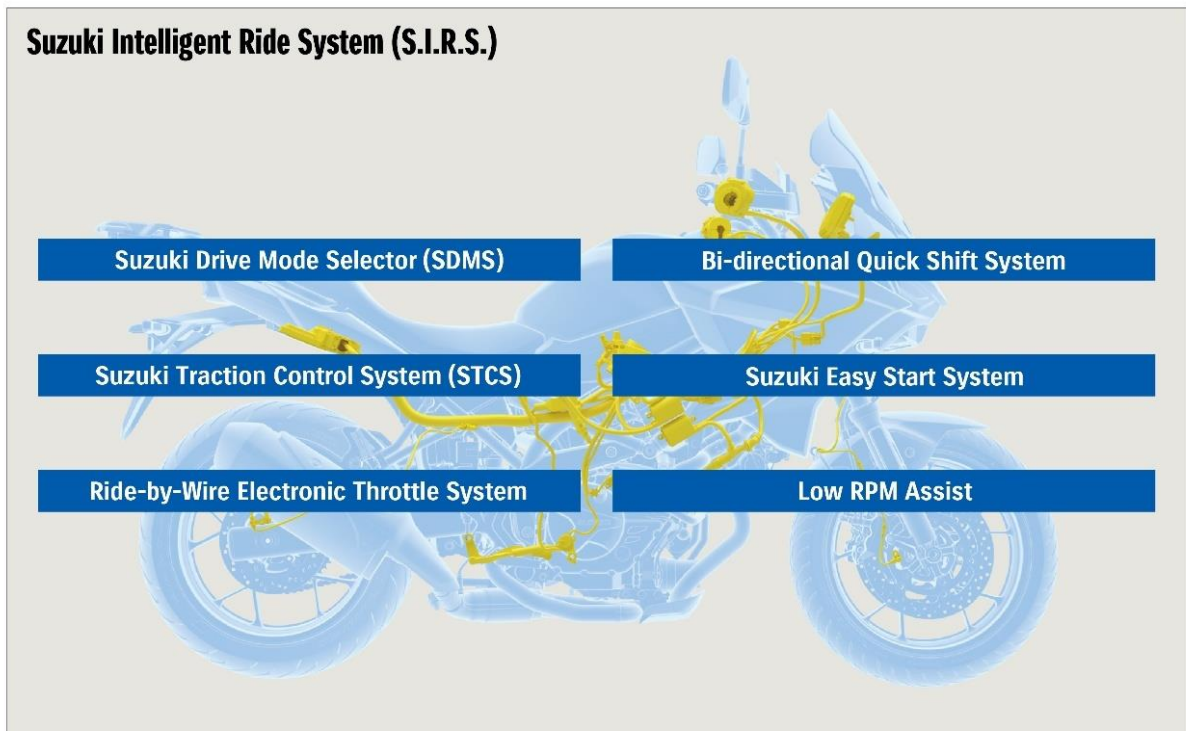
Thanks to ongoing development work, many aspects of the new engine have evolved since the SV650. Parts highlighted in yellow, including magneto and transmission gears, have been upgraded to adapt to electronics.



Transmission gears

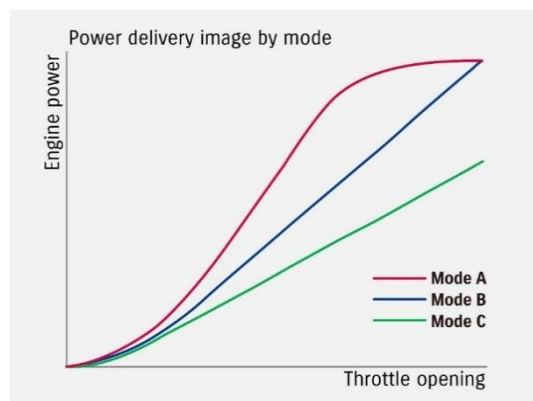
An Advanced System Designed to Make Riding More Enjoyable

The Suzuki Intelligent Ride System (S.I.R.S.) is a highly advanced suite of electronic rider assist systems, designed to optimize performance based on the rider's skill level, experience, and road or riding conditions. Riders can freely adjust each system's settings to suit their preferences and riding conditions. The result is a smoother, more predictable, and less fatiguing ride—allowing the rider to enjoy performance with greater confidence and peace of mind. Fine-tuned specifically for this accessible middleweight crossover machine, these technologies all work together to enhance overall adaptability and rider confidence without overwhelming less experienced riders.



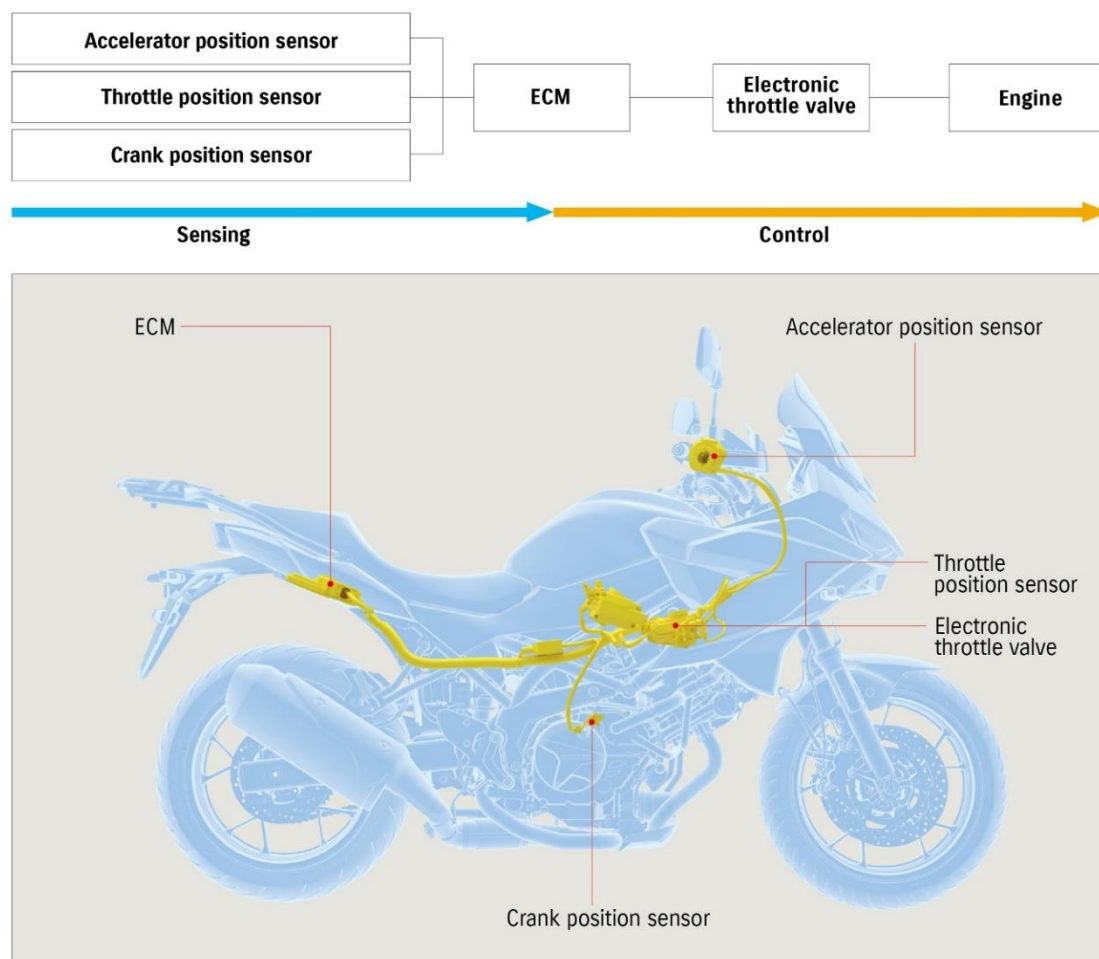
Suzuki Drive Mode Selector (SDMS)

The Suzuki Drive Mode Selector (SDMS) maximizes the potential of the electronic throttle control system. Its three modes of operation adjust throttle response, allowing riders to quickly adapt the bike's character to match their own skill level, road conditions, or mood. Engine braking characteristics have been finely tuned to deliver smoother deceleration and greater control, enhancing comfort and stability when entering corners or reducing speed.



Mode A (Active)	Provides sharper, more aggressive throttle response and a noticeably stronger feeling of power than that experienced on the SV650, for sportier riding performance.
Mode B (Basic)	A careful balance of throttle response and overall stability for everyday use in a wide range of road conditions.
Mode C (Comfort)	A softened throttle delivery and gentler torque characteristics to improve controllability and ease of use, which gives newer mid-sized motorcycle riders a greater feeling of confidence, especially in wet conditions. Output is limited to 45 kW.

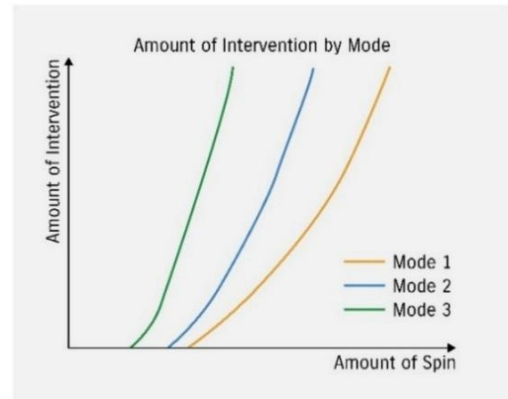
Suzuki Drive Mode Selector overview diagram



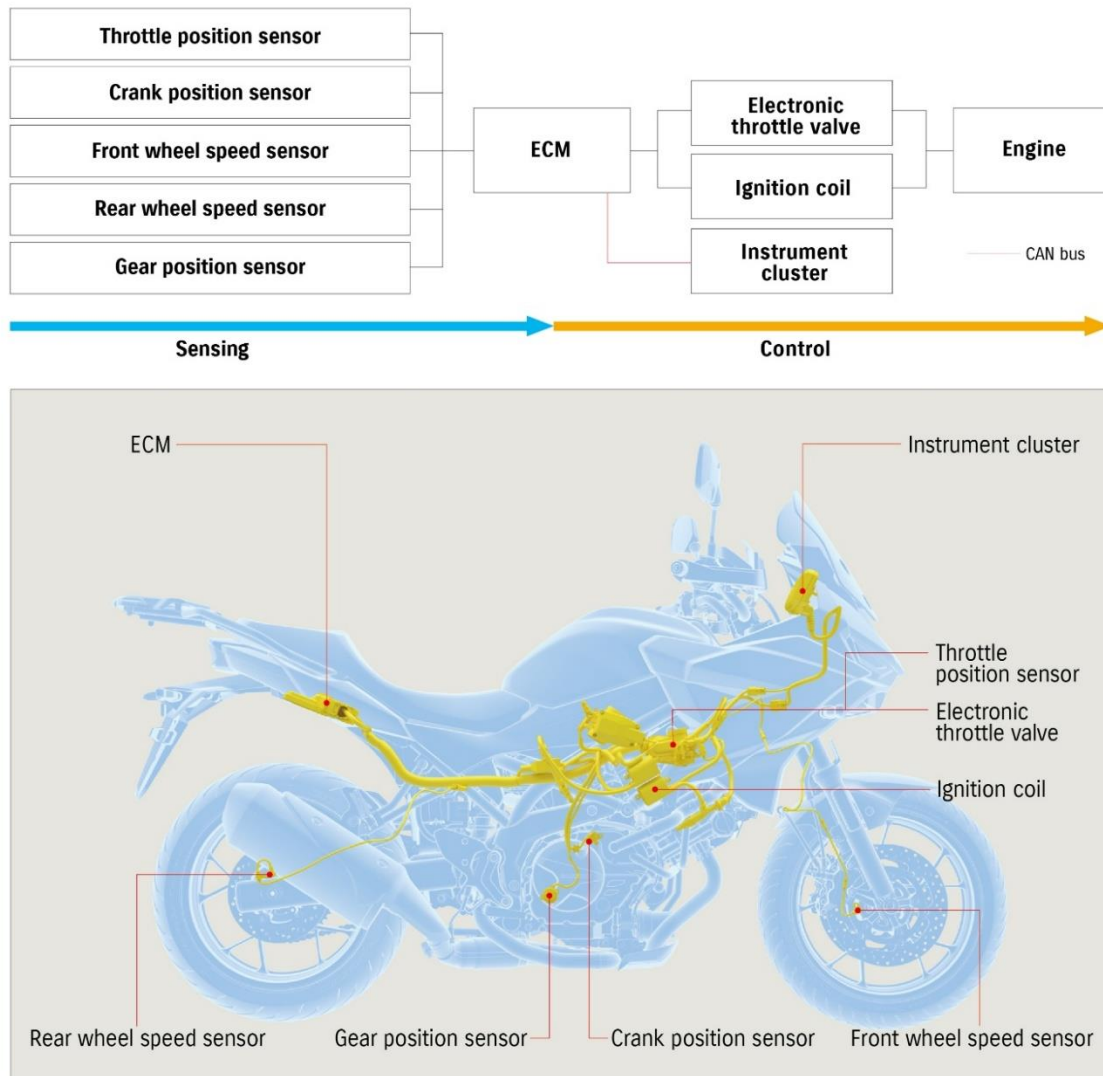
Suzuki Traction Control System (STCS)

When a loss of traction is detected, it adjusts ignition timing and throttle opening to help prevent wheel slip. Three selectable levels plus OFF, which utilize wheel speed sensors to more effectively manage rear-wheel slip.

Note: The Suzuki Traction Control System is not a substitute for the rider's throttle control. It cannot prevent loss of traction due to excessive speed when the rider enters a turn and/or applies the brakes. Neither can it prevent the front wheel from losing grip.



Suzuki Traction Control System overview diagram

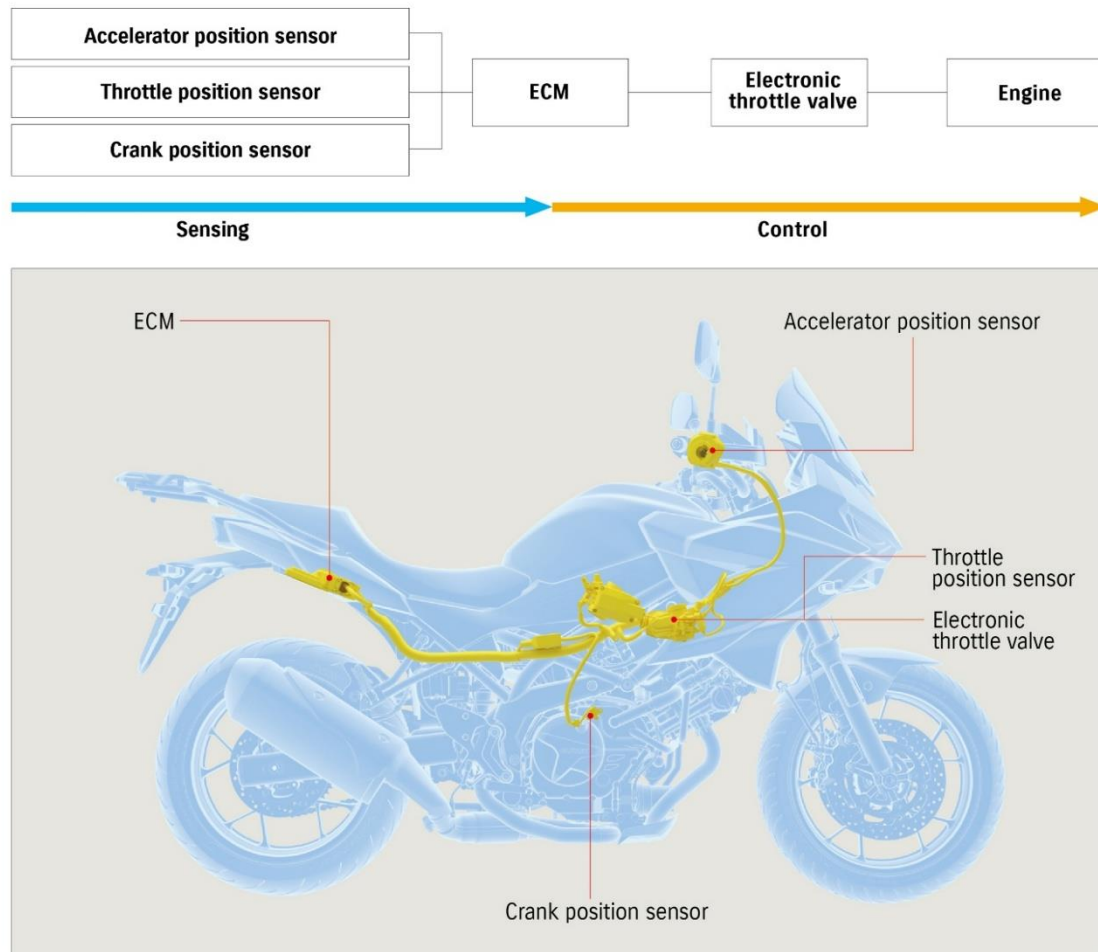


Ride-by-Wire Electronic Throttle Control

The SV-7GX's new fully electronic Ride-by-Wire throttle control delivers precise response while providing support for all S.I.R.S. functions. The throttle's new maps ensure delivery of smooth, progressive power throughout the powerband. It provides a responsive and intuitive acceleration feel, whether in city traffic or on the open road.



Ride-by-Wire Electronic Throttle System overview diagram

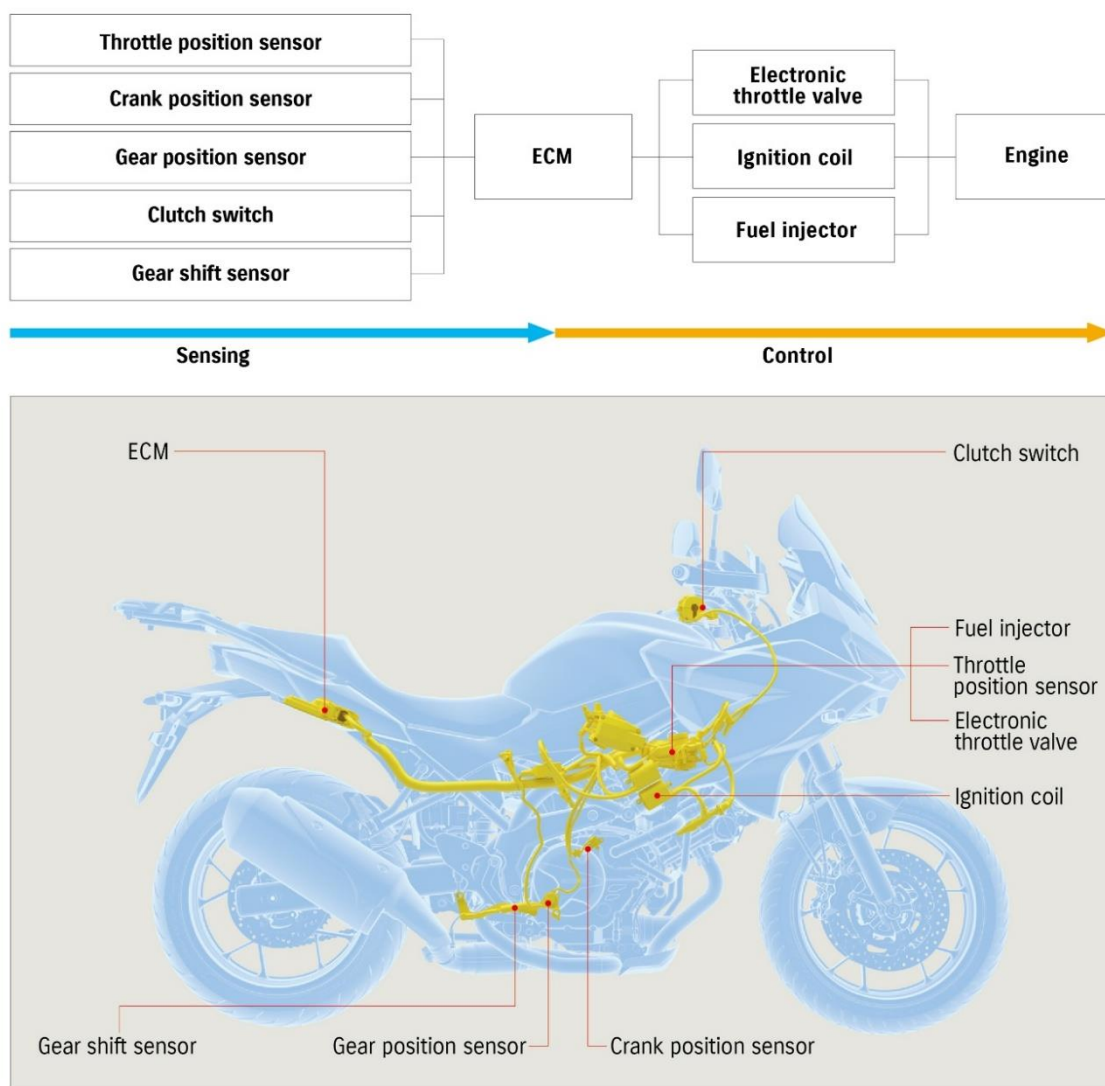


Bi-Directional Quick Shift

Offering clutchless upshift and downshift capability together with automatic rev-matching, the bi-directional Quick Shift system even allows smooth and stable gear shifts under partial throttle or cornering loads.

The SV-7GX's 6-speed gearbox is paired with the Suzuki Quick Shift system, which reduces rider fatigue in both touring and more sporty riding conditions. This new fully electronic bi-directional (upshift and downshift) Quick Shift system also provides vastly enhanced gearshift ease—especially in rugged conditions—by effectively permitting all gear shifts to be made without the tiring effects of clutch lever operation. Fully clutch-less upshift operation is put into effect at engine speeds above 2,000 rpm, while downshift operation is possible at speeds-above 1,700 rpm.

Bi-directional Quick Shift System overview diagram



4. SUZUKI INTELLIGENT RIDE SYSTEM (S.I.R.S.)

SV-7GX

Settings for SDMS, STCS, and the Quick Shifter can be intuitively adjusted using the left-handlebar switch, allowing seamless control while riding.



Suzuki Easy Start System

This system starts up the engine with a single press of the starter button. No clutch operation is required when in neutral.



Low RPM Assist

For smoother and easier starts this system momentarily increases engine revs slightly at takeoff or low speeds in order to reduce the chances of stalling, especially in stop-and-go conditions.

Taken all together, these advanced technologies make the new SV-7GX crossover not only eminently adaptable, but also supremely confidence-inspiring, and easy to live with long-term, ensuring that this new motorcycle is equally capable of spirited cornering as it is of smooth urban commutes.



Agility and Stability

The SV-7GX's chassis has been engineered to provide an ideal balance of agility and comfort, optimized for real-world usability across a wide range of riding environments. Its bold, upright riding position not only offers a clear view of the road ahead, it also ensures superb comfort over long days of riding, or even adventure touring. Built on proven SV650 architecture, it integrates geometry, ergonomics, and component upgrades tailored for versatility and an exceptionally high level of rider confidence.

Long-Distance Riding Enjoyment

Along with its enhanced long-distance riding capability, the SV-7GX maintains a compact and maneuverable profile that makes low-speed rides and parking both supremely easy. Furthermore, the rear portion of its chassis has also been specially designed to accommodate not only an optionally available top case but also convenient pannier bags, with mounts reinforced to ensure long-term durability.

From tight urban streets to open backroads, the SV-7GX delivers a grounded yet always exhilarating ride—confidence-inspiring, comfortable, and ready to adapt to whatever the road ahead may bring.



Frame

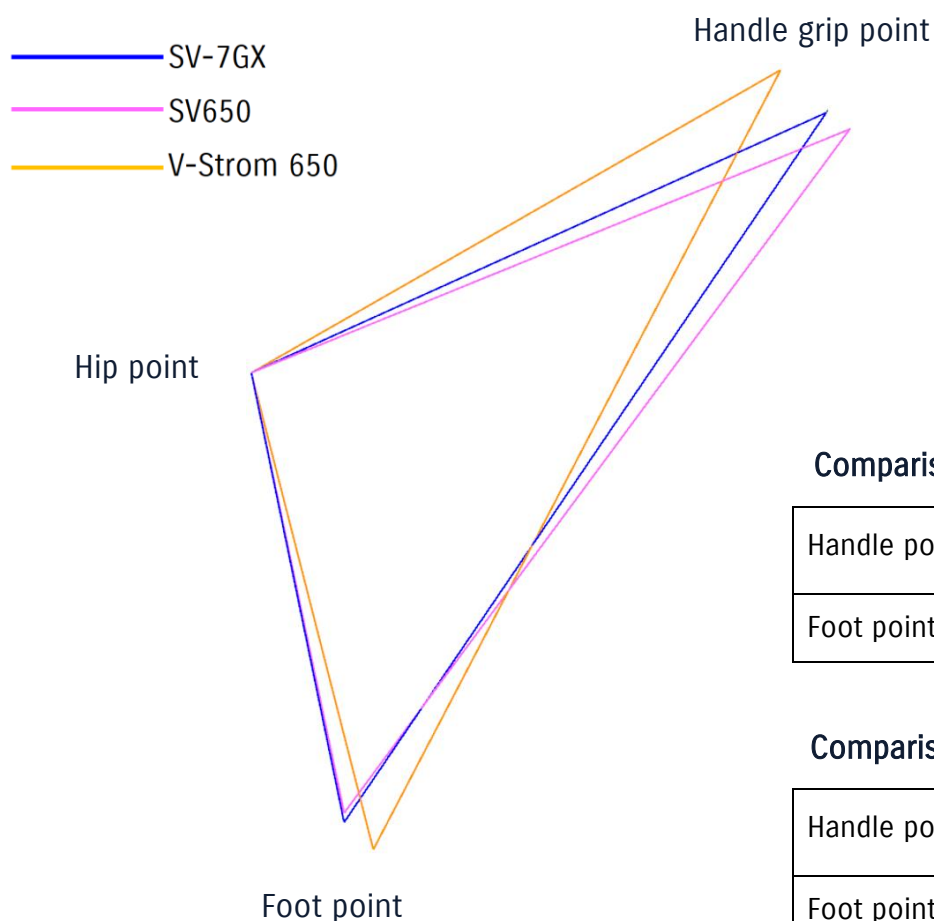
The SV-7GX's lightweight tubular steel trellis frame retains the hallmark rigidity, slim profile, and balanced weight distribution of the venerable SV650. Geometry has been refined to maintain a low center of gravity for stability at all speeds, while a carefully calculated amount of flex in its overall design absorbs vibration to ensure quick, predictable steering response. This engineered flex also provides the level of comfort essential to the crossover concept, making the ride not only precise but also versatile and accommodating. This perimeter-style trellis frame also provides a prominent visual accent that aligns with its GX crossover concept, while prioritizing ultimate comfort. Reinforced mounting points and revised bracketry also provide robust support for the SV-7GX's half cowl, touring screen, and carrier without compromising structural integrity.

A strong yet lightweight tubular steel swingarm features an oblong cross-section to further ensure excellent torsional strength and precise rear-wheel tracking under load. This rigidity also enhances power delivery while cornering, and provides optimal stability when carrying a passenger or luggage.



A Comfortable Riding Position

The new SV-7GX's riding position features a more upright and relaxed posture when compared to the standard SV650. Compared to the SV650, the SV-7GX features handlebars positioned closer to the rider, while the footpegs are set lower. These adjustments create a more relaxed, upright riding posture that enhances comfort and control for a wide range of riders.



Comparison with SV650

Handle point	17mm higher 24mm closer
Foot point	10mm lower

Comparison with V-Strom 650

Handle point	44mm lower 47mm further
Foot point	30mm closer



Tapered Aluminum Handlebar

The SV-7GX's wide, 740 mm handlebar has been positioned closer to the rider, while also featuring a wider overall width for increased leverage and better feel compared to the SV650's, promoting a commanding field of vision and a relaxed, upright posture. With integrated bar weights to help mitigate vibration and fatigue over long rides, development engineers also focused on testing multiple grip angles and sweep profiles to achieve a more tapered, natural hand position that suits a wide variety of body types.



The tapered aluminum handlebars not only contribute to a stylish, high-quality appearance but also provide a refined tactile feel when the rider takes hold of them. The shape, surface finish, and rigidity balance have been carefully engineered to convey a sense of precision and quality the moment the rider mounts the motorcycle.

Ergonomic Seat

The rider's seat features 10 mm more padding than the SV650, that has been carefully contoured to reduce pressure points and tailbone fatigue. The rear pillion seat is 20 mm thicker than the SV650's and has a refined shape, especially the seat bottom, with narrowing of the side covers to add cushioning on the side. The result for passengers is greatly enhanced comfort and stability over long rides. Rider seat height has been kept at a friendly 795 mm—deliberately under an 800 mm limit—to maintain an easy reach to the ground without sacrificing long-distance riding comfort. Narrow side covers and a slim tank-seat junction further enhance accessibility and riding comfort.



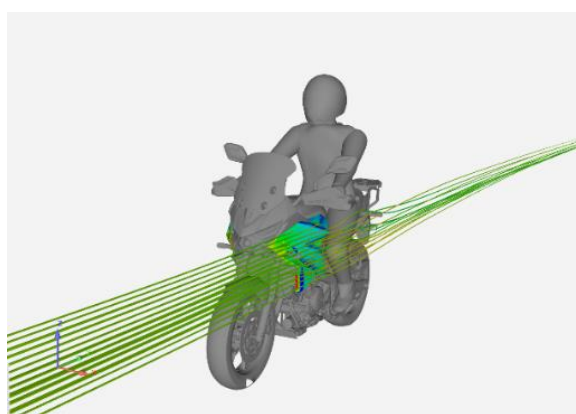
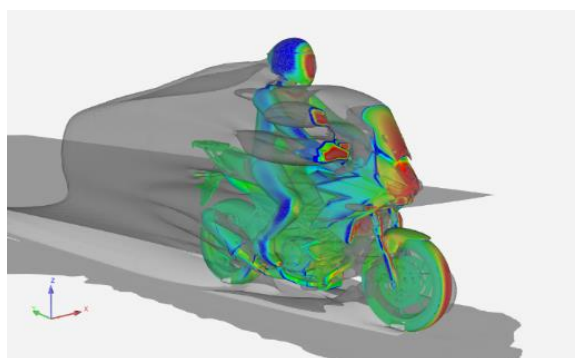
SV-7GX	SV650
Rider seat (+10mm) 	
Pillion seat (+20mm) 	

Aerodynamic Design

Developed with extensive wind tunnel testing, the shape of the bodywork channels airflow smoothly around the rider to reduce fatigue, ensure high-speed stability, and preserve its excellent handling capabilities. This aerodynamic design also ensures a compact visual profile while providing excellent wind protection.

The engine's compact 90-degree V-twin layout allows for a narrower frontal profile than comparable inline-four engines, reducing aerodynamic drag while preserving effective airflow. Through the combination of aerodynamic efficiency, superior wind protection, and effective thermal management, the SV-7GX offers reduced fatigue over long distances while maintaining the agile handling and compact proportions that define the crossover segment.

Special attention was given to the white side panels, where achieving the right sense of width proved a challenge. The design was refined with careful consideration of rider knee placement and wind flow, incorporating real-world riding tests to arrive at the optimal shape. The panel surfaces were sculpted to create dynamic three-dimensional forms that beautifully capture light and shadow, while the protective coverage of the side panels was also expanded. The result is a functional design that balances rider comfort with a striking visual presence.



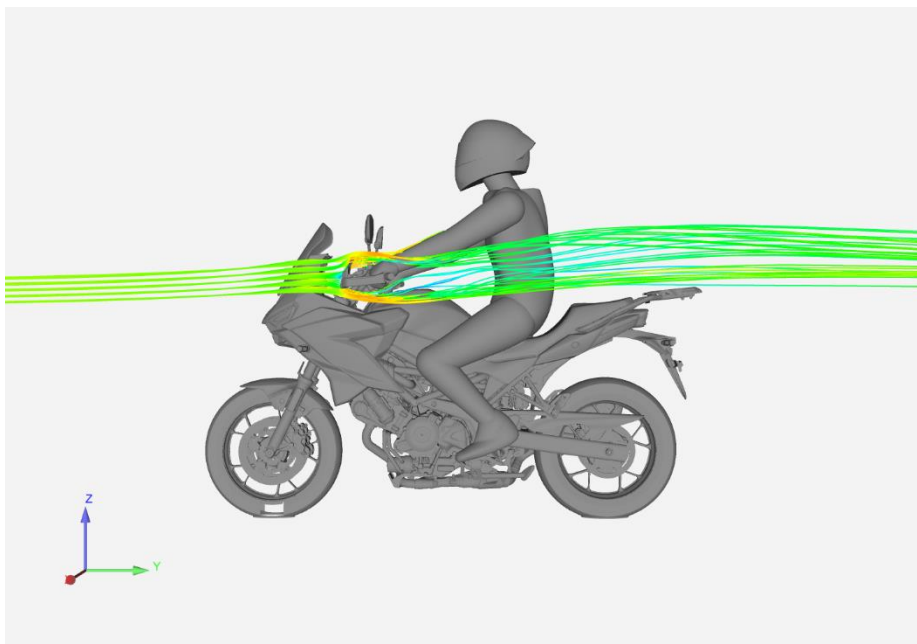
Adjustable Windscreen

The adjustable windscreen offers three height settings, with a total adjustment range of 50 mm, thus permitting riders to reduce helmet buffeting and the exhausting pressure on the chest for riders of various different heights. These three windscreen settings permit riders to fine-tune their wind protection for different heights, helmets, and riding conditions.



Integrated Knuckle Covers

The effects of the windscreen are further enhanced by stylish new, wide-coverage knuckle covers, which contribute to the deflection of the onrushing wind away from the body. These attractive standard-equipped knuckle covers are fully integrated into the design of the front cowl, and complement the SV-7GX's sharp frontal styling while effectively deflecting wind and debris away from the rider's hands. Knuckle guard placement was also refined to avoid wind turbulence around the handlebars while also working in harmony with the pattern of this new crossover machine's upper airflow.



Fuel Tank

The SV-7GX's newly designed 17.4-liter fuel tank (up from the SV650's 14.5 liters) provides extra peace-of-mind for long-distance riders who know that a longer range between fuel stops is always helpful. However, it still maintains a surprisingly slim and comfortable form. Tank capacity was made larger through molding analysis that provided the optimal specifications while press dies and materials were also optimized to maintain a slim profile in keeping with the SV-7GX's narrow V-twin engine and trellis-style frame.

Of special concern was the area directly under the fuel tank, which contains considerably more critical componentry than the SV650 it replaces. The resulting indent in the underside of the tank actually reduced fuel capacity in this area. However, despite these disadvantages, efforts were made to maximize capacity while maintaining the fuel tank's narrow proportions and moldability, thus ensuring that the final design remained as faithful as possible to the new motorcycle's original intent.

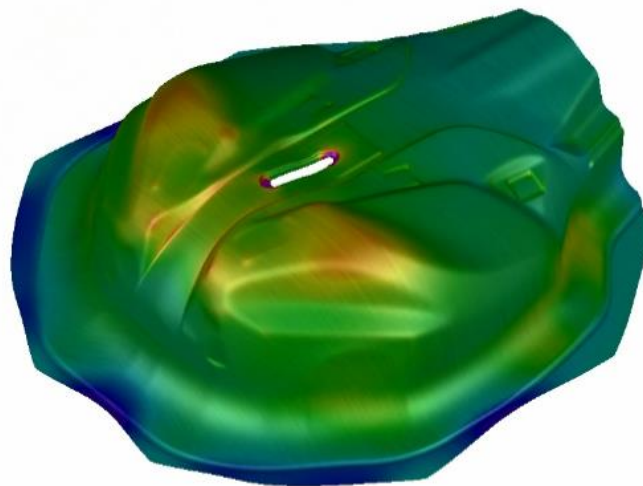


Illustration of the molding analysis performed during frame design development.

Rear Carrier

An expansive, standard-equipment molded plastic rear carrier gives this midweight model extra versatility for both carrying and touring convenience. Its tubular steel rear rack was designed to be a visual extension of the SV-7GX's open trellis-style frame. It is also features optimized welding and tube construction. Large, ergonomic grab rails have also been integrated into its design for enhanced passenger security and comfort.

The upper surface of this rear carrier also shares the same vertical plane as the rear pillion seat, thus allowing larger loads to be more easily strapped down. With numerous molded-in carrier hooks to ease tie-down convenience, the carrier has also been structurally reinforced to maintain stability at full load capacity, even with its optional 45-liter top case attached. On top of this, accessory pannier bag mounting points have been discreetly integrated into the chassis, preserving the SV-7GX's sleek crossover styling.



Suspension

Given the SV-7GX's impressive new adventure-style appearance, customers will likely expect a supremely comfortable ride. The suspension tuning is designed to achieve an ideal balance between comfort and sportiness. While favoring comfort, it retains the sportiness of the SV650 platform for smooth and precise handling. The result is stability on the highway along with a comfortable experience in both urban riding and longer-distance touring.

Front

The SV-7GX's rugged and responsive 41 mm hydraulic telescopic forks offer excellent tracking of varying road surfaces, as well as a smooth 125 mm stroke. Furthermore, owing to changes in riding position and weight distribution, even the front fork's upper bracket was modified slightly to ensure both crisp handling and a comfortable ride.



Rear

The SV-7GX's compact, link-type monoshock rear damper has also been specially tuned for outstanding crossover and long-distance touring comfort, with settings made slightly more forgiving relative to the SV650 in order to help absorb any road surface imperfections without sacrificing control.

The rear suspension offers seven steps of adjustable preload to match solo, passenger, or luggage loads, as well as 129 mm of axle travel to provide optimal cushioning support for further enhancements to its long-distance riding ease, not only enhancing overall ride balance, but ensuring a smooth and comfortable ride.

Careful suspension calibration also ensures a smoothly relaxed ride over varying road surfaces—from cobblestone streets to winding mountain switchbacks.



Brake System



Front	The new SV-7GX features highly effective 290 mm dual floating discs with powerful 4-piston calipers that deliver strong, progressive stopping power and excellent lever feel.
Rear	A single 240 mm disc provides balanced, controllable braking.
ABS	The SV-7GX's Antilock Brake System contributes to more stable braking by preventing the wheels from locking under various road conditions.

Wheels and Tires

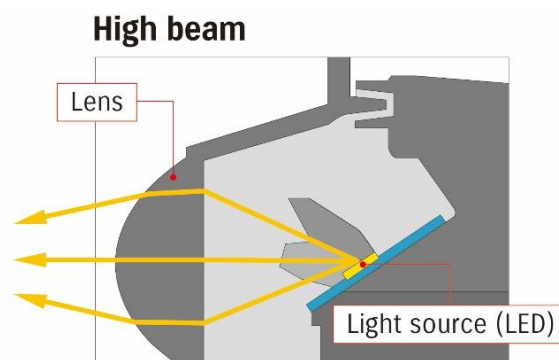
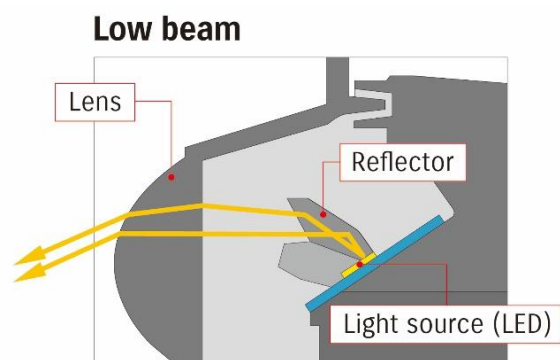
The SV-7GX's stylish cast aluminum wheels not only feature an attractive new 10-spoke design, they're also coated in contrasting colors that draw further attention to their attractive styling, whether a brilliant light blue for the Triton Blue version or luscious red wheels to set off the more reserved Pearl Matte Greige color scheme.

Following the detailed evaluation of various tire specifications, Suzuki selected the Pirelli Angel GT II sport-touring radials (120/70ZR17 front and 160/60ZR17 rear) for their blend of grip, stability, and long-term durability. These tires also provide excellent wet and dry performance, and consistent handling across a broad range of road surfaces.

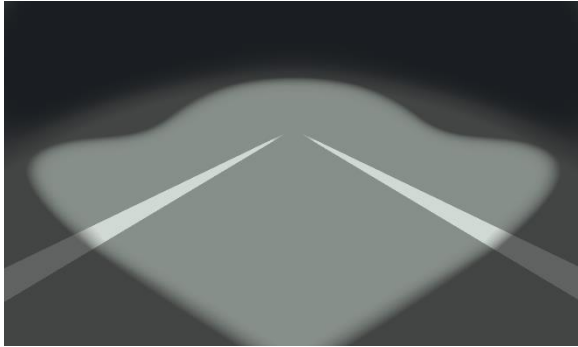


Dual Function LED Projector Headlight

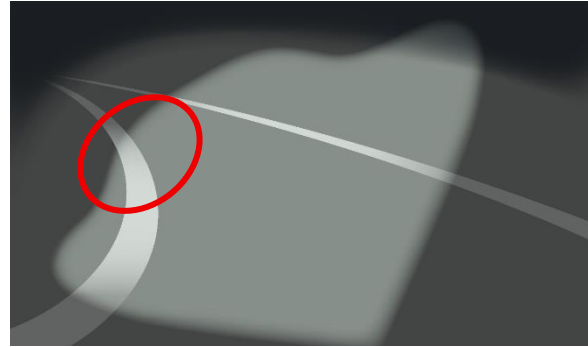
Positioned front and center, a single compact, dual function LED projector headlight delivers brilliant low beam and high beam illumination, and is flanked by slim LED position lights that create a pair of sharply expressive “eyes” peeking out under the brow of the central front cowl. The LED turn signals have been thoughtfully positioned away from the painted cowl for improved design. Derived from the GSX-S1000GX and adapted for this platform, this lighting arrangement conveys a dynamic, forward-leaning presence. Part of Suzuki’s crossover lineup, the model shares this design concept with the GSX-S1000GX.



The headlight incorporates what is known as aerial light distribution. This refers to a beam pattern designed so that, when the motorcycle is upright, the high beam does not illuminate the road surface directly. Instead, the beam is optimized to project onto the road surface once the motorcycle leans into a corner. The result is a lighting design that not only enhances visibility but also reinforces rider confidence in all riding conditions.



When riding straight



When cornering

4.2-Inch Full-Color TFT Display

The SV-7GX's full-color TFT instrument panel is designed to display a wide range of information clearly and intuitively. Not only does the display keep the rider fully aware of all the onboard systems, settings and real-time operating status, but also provides added convenience and functionality when connected to the rider's smartphone. In addition, it can notify the rider if a preset speed is exceeded. Every element of the layout has been carefully considered to make settings and mode changes effortless. The intuitive design allows riders to operate the system naturally, for a user-friendly interface that enhances the riding experience.

Suzuki's large-displacement motorcycles include exclusive graphics, such as blue background lines that add extra flavor and convey the appeal and spirit of the Suzuki brand identity, as well as a brief custom animation that plays when the key is turned on. This playful presentation is pleasing to the eye and heightens anticipation of the ride to come. The tachometer's bar graph smoothly transitions from light blue to deep blue as engine speed rises, conveying both precision and energy.

Smartphone connectivity enables a turn-by-turn navigation display in an easy-to-read format. When connected, the meter switches to a dedicated horizontal layout; when not connected, it displays a clean, classic circular tachometer. Riders can choose between black and white background themes. When set to AUTO, the system automatically adjusts the display to match ambient lighting conditions, ensuring optimal visibility day or night.

The screen's display allow riders to check various types of information—from sporty riding performance metrics to the range and trip data associated with long-distance tours. A brightness sensor also automatically adjusts the screen illumination to match ambient light. The rear section of the meter panel incorporates a visor element in its design to prevent reflected meter light from appearing on the windscreen. This ensures good visibility even when an optional touring screen is installed and set to its maximum height.

The display offers manual or automatic switching settings for the day (white) and night (black) display modes that maximize visibility at any hour and in any riding situation.

On-Screen Ride and Bike Information

- Real-time and average fuel consumption
- Ambient temperature display
- Gear position indicator
- Dual trip meters and odometer
- Speedometer and tachometer graphics
- Riding range
- Voltmeter
- Oil change interval setting
- Water temperature gauge
- SDMS mode
- Quick Shift (ON/OFF)
- 12-hour clock



Day mode



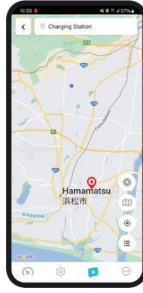


Night mode

Note: All lights and indicators are illuminated in the photo for illustrative purposes.
Note: functionality may be impacted by data transmission issues.

1. Navigation

You can receive real-time map guidance and traffic jam alerts while riding to your destination.

	TFT LCD screen		Smartphone	
Navigation		<ul style="list-style-type: none"> • Turn-by-turn Navigation App-linked navigation function that guides the user with directional arrows and distance displays on the meter. • Time and distance to destination Displays estimated arrival time, remaining distance and traffic jam alerts. The app's voice guidance is also available when using a headset. 		<ul style="list-style-type: none"> • Full navigation functions (including map and voice control functions) The app displays the current position and route guidance on a map.
POI (Point of Interest)	-	-		<ul style="list-style-type: none"> • Dealer and POI displays Nearby dealers and points of interest are displayed, with information automatically updated.

Smartphone connectivity using Suzuki Ride Connect+ App

The rider can connect a smartphone running iOS or Android™ by way of a Bluetooth® connection and, as described below, access a variety of useful information and services on both the color TFT LCD screen and their smartphone.

1. Navigation	You can receive real-time map guidance and traffic information while riding to your destination.
2. Incoming Notifications	Smartphone call notifications etc. are displayed on the TFT LCD screen and communicated to the rider.
3. Weather	Real-time weather information for your current location is displayed on the TFT LCD screen.
4. Alerts	Sudden changes in weather or traffic conditions are displayed on the TFT LCD screen, minimizing risks while riding.
5. And more	A range of other included functions help enhance rider safety, convenience and comfort.

Note: functionality may be impacted by data transmission issues.

*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

*Android/iOS compatible




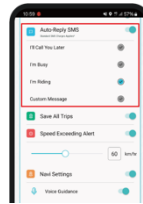


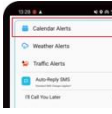
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2. Incoming Notification


Smartphone call notifications etc. are displayed on the TFT LCD screen and communicated to the rider.

	TFT LCD screen		Smartphone	
Call notification (Normal/IP) 		<ul style="list-style-type: none"> • Incoming call information displayed 	-	<ul style="list-style-type: none"> • Standard smartphone function
Auto reply SMS (Android only) Automatically declines phone calls and sends an SMS message (ex. "I'm riding") (IP not supported)	-	-		<ul style="list-style-type: none"> • Auto reply function* Automatically declines incoming calls while riding, instead sending the caller a pre-set response message. *Android only
SMS notification (SMS/IP) 		<ul style="list-style-type: none"> • Incoming SMS information displayed 	-	<ul style="list-style-type: none"> • Standard smartphone function
Calendar notification 		<ul style="list-style-type: none"> • Schedule notifications Displays scheduled events during the ride. 		Supports notifications using Google Calendar on Android and the default Calendar app on iOS.

*IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license. Android is a trademark of Google LLC.




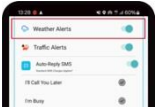

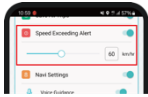
3. Weather

Real-time weather information for your current location is displayed on the TFT LCD screen.

	TFT LCD screen		Smartphone	
Temperature and weather information * Information on current location whether or not the navigation system is active.		Weather information icon type	-	-


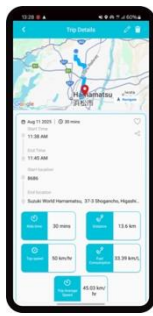




4. Alerts

Sudden changes in weather or traffic conditions are displayed on the TFT LCD screen, minimizing stresses while riding.

	TFT LCD screen		Smartphone	
Weather alert Fog, Rain, Thunderstorm, Snow, Hailstorm		Weather alert mark Rain alerts and traffic jam information When the navigation system is in use, an alert appears when there are rain clouds on the selected route.		Notifications can be switched on or off.
Traffic alert		*Alternating between Alert mark and TBT arrow. 		
Specified speeding alerts The app helps promote more cautious riding.		Speed warning displayed		Speed warning setting / Warning display function

5. And more

A range of other included functions help enhance rider safety, convenience and comfort.

	TFT LCD screen		Smartphone	
Last parked location Makes it easy locate the SV-7GX in parking lots, etc.	-	-	-	Map display
Daily/Monthly Displays fuel consumption and mileage * When connected, (regardless whether the navigation system is set; riding when not connected is not included).	-	-		<ul style="list-style-type: none"> • Odometer • Tripmeter • Trip average speed • Daily fuel consumption • Monthly log (Distance ridden, average fuel consumption) • Maintenance information (tires, battery) • Share trip routes to SNS
Trip history <ul style="list-style-type: none"> • Records the last 10 routes navigated in the past and 10 favorite routes. • Riding time / distance / Fuel consumption / max speed / average speed / map • SNS sharing (same as Google Maps) 	-	-		
Vehicle information Fuel * Odometer and tripmeter (A & B); stats from last time the phone was connected.		Fuel		
Service Alerts Maintenance information (5 selectable items such as oil, tires, battery, etc.)	-	-		Alerts for managing Service and Digital wallet expiry dates
Digital wallet Expiry date alerts can be set and images saved for a driver's license and up to 3 pieces of identification.	-	-		

* The connection between the SV-7GX and the smartphone is terminated when the ignition switch is turned off, preventing unnecessary consumption of either device's battery.

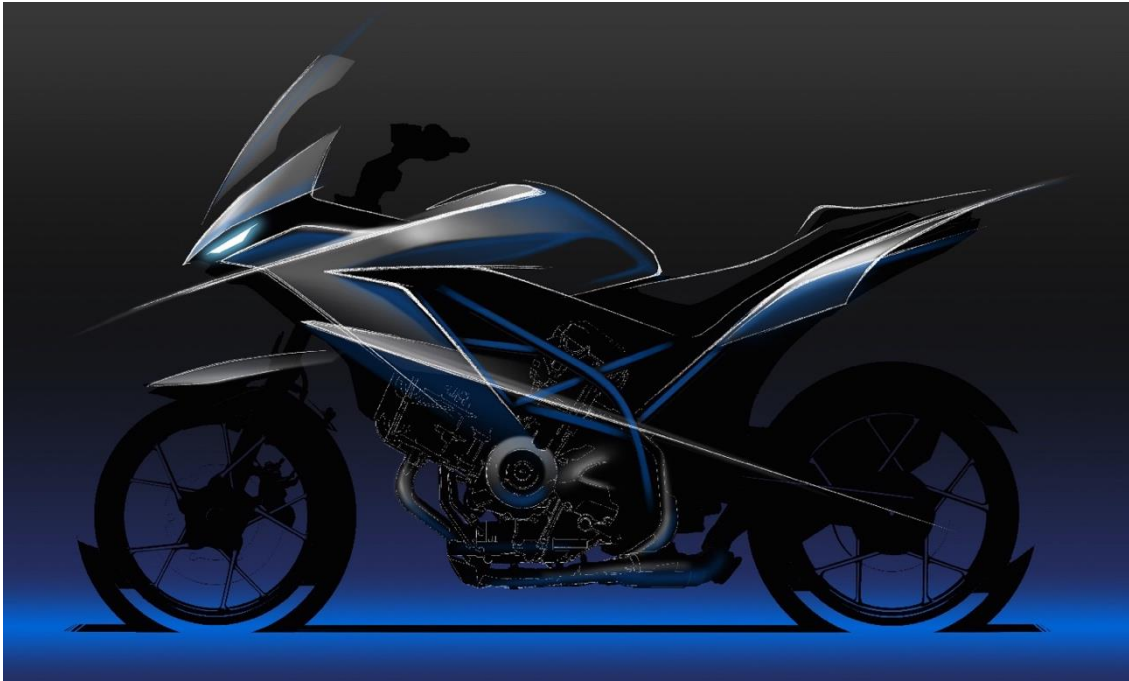
USB Port

A USB-C port located in close proximity to the display provides 5V/3A output capable of powering electronic equipment. The port's placement was designed for easy cable routing without obstructing the display.



Design Theme: Bold, Refined and Sporty

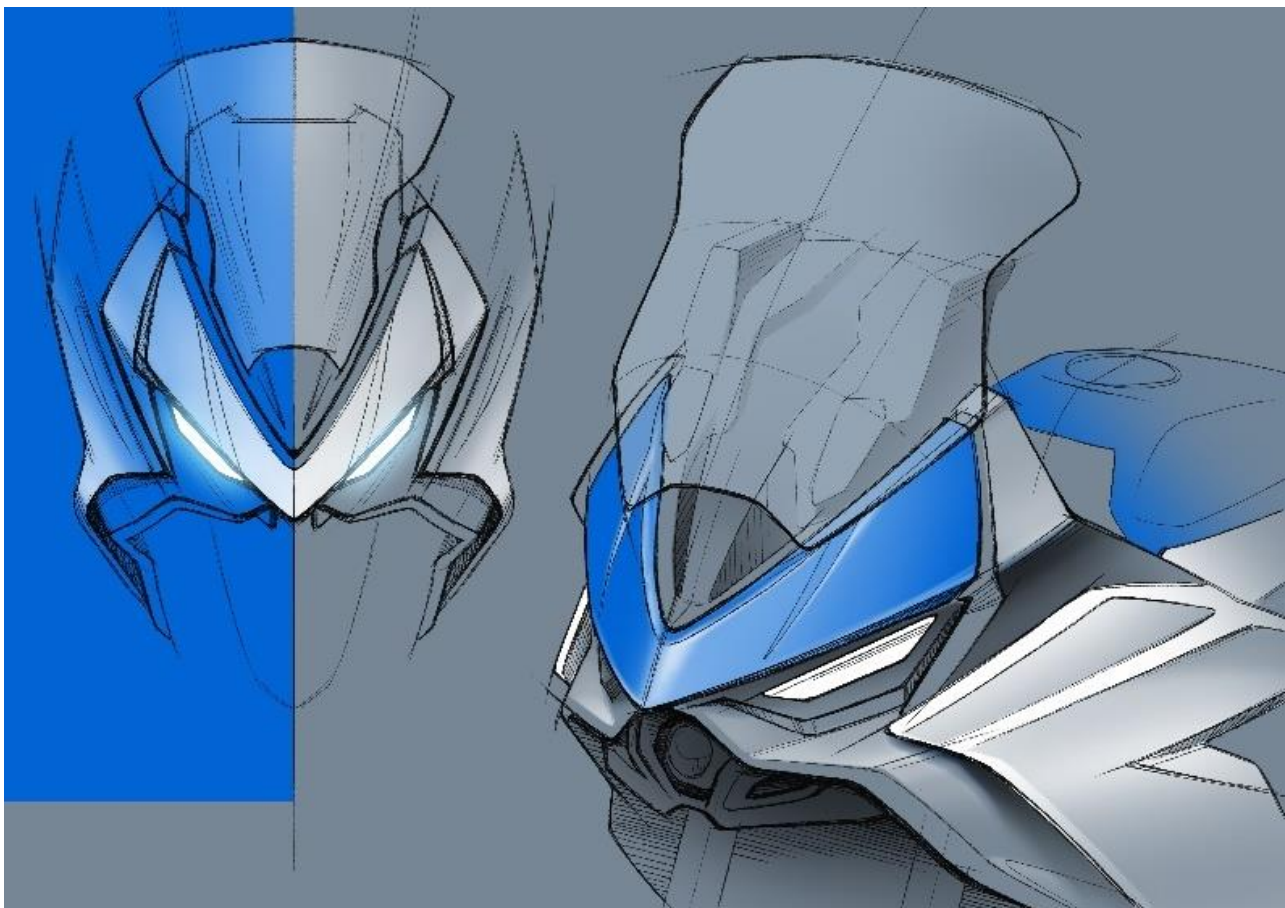
The design of the SV-7GX embodies Suzuki's crossover identity, inheriting the dynamic proportions of the GSX-S1000GX. Its styling expresses the flowing lines and aggressive character of a sportbike, positioning this model as the younger sibling of the S1000GX.



The design features two distinctive character lines that define the SV-7GX's dynamic side profile. The upper line flows smoothly from the fuel tank to the front cowl, emphasizing the bike's tall crossover stance, while the lower line follows the distinctive trellis frame up to the front cowl. Together, they create a balanced, athletic silhouette that expresses both elegance and performance. The slim, sculpted, upswept side panels under the fuel tank and seat provide a contrasting look that emphasizes movement and agility.

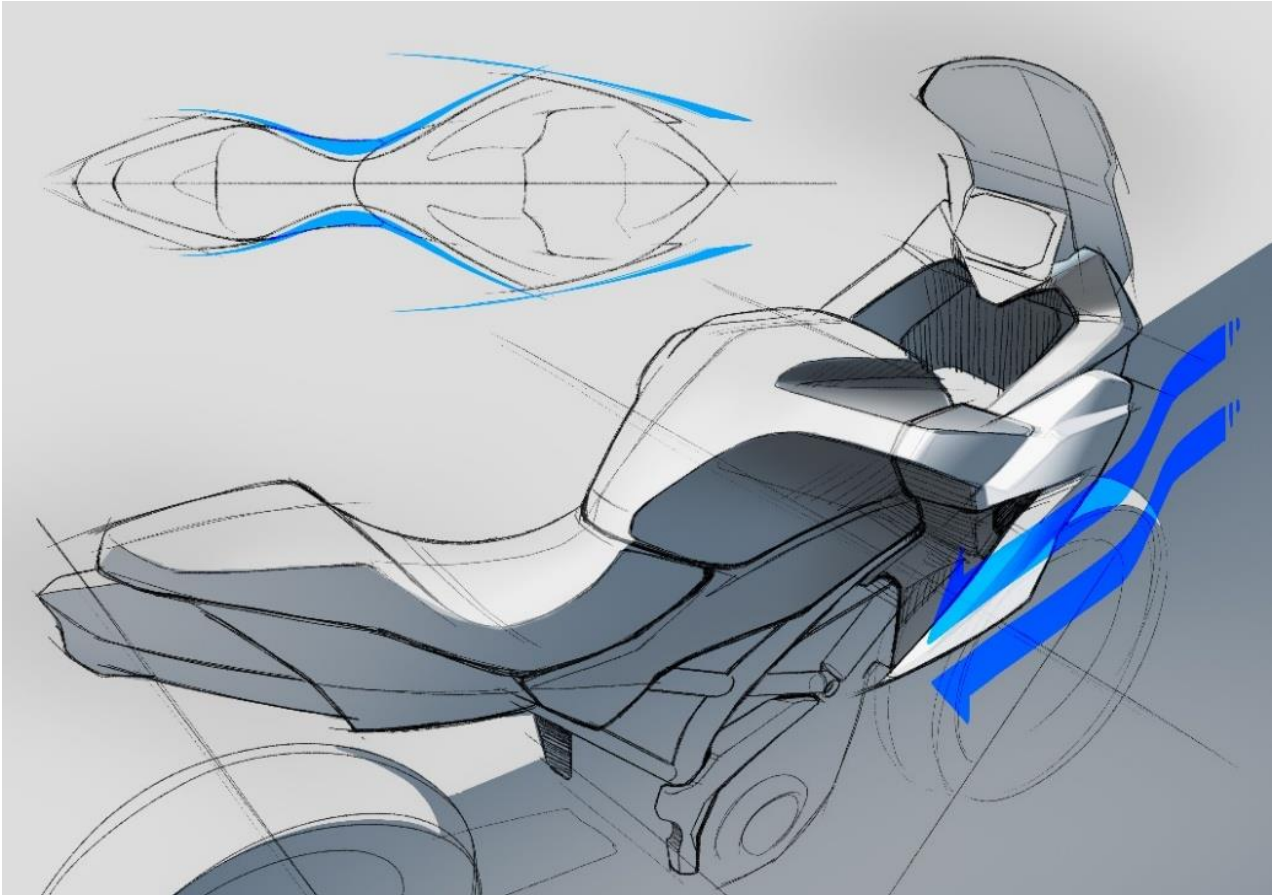
Dynamic Crossover-Style Half Cowl

SV-7GX inherits the dynamic design of the GSX-S1000GX. The precisely assembled components and layered structure create a rich, high-quality form. The new front cowl features a sharp, protruding nose that culminates at the compact LED low-beam headlight. Flanking the headlight are LED position lights with the look of a sharp pair of “eyes,” introducing a dynamic sense of movement and a youthful, sporty image. In addition, the upper cowl surfaces are executed with precise, gap-free geometry—where the V-shape and triangular side elements are joined with exacting accuracy. This tight, seamless fit conveys a high sense of quality. The lower portion employs a layered construction that intentionally allows for small gaps, a design technique also used on the GSX-S1000GX. The contrast between the seamless upper and the layered lower sections enhances the overall visual impact, emphasizing the precision and refinement of the design.



Side Panels and Riders' Comfort

A silky, semi-matte black finish on the exposed trellis-style frame and seat rails, a slim waist for an easy reach to the ground, and integrated passenger grab rails contribute to both the new GX's visual appeal and its long-riding practicality. Based on wind-tunnel testing, the half cowl has been adjusted in width to optimize airflow around the rider. In addition to offering excellent wind protection, it also highlights the slimness of the body made possible by the V-twin engine.



The visual language of the SV-7GX communicates both athletic capability and sophisticated comfort. It is offered in a curated selection of finishes that reflect its dual identity as both an agile urban sprinter and a capable long-distance sport crossover. Each color scheme is paired with carefully considered graphic elements, contrasting finishes, and premium detailing to enhance the bike's dynamic lines and emphasize its eye-catching crossover characteristics.

Graphics and Accents

All color options feature precisely applied graphics that reinforce the SV-7GX's crossover identity without overwhelming its clean, aerodynamic bodywork. Asymmetrical decal placement emphasizes the flow of the panels and the bike's forward-leaning stance. Blacked-out engine covers and polished hardware complete the premium look, ensuring that each variant has a strong, distinctive road presence.



1. Pearl Brilliant White / Metallic Triton Blue (BQJ)

- Suzuki's signature road racing colors, inspired by its long championship racing heritage. This vivid metallic blue base color also further conveys speed, performance, and precision.
- Pearl Brilliant White half-cowl side panels highlight the SV-7GX's sculpted form and structural frame elements, creating a visual tension between its intricate elegance and its assertive sport riding confidence.
- This color combination is ideal for those riders who are looking to give expression to the SV-7GX's sport-oriented DNA.

2. Pearl Matte Greige (Q2A)

- A sand-colored, gloss-free finish with subtle pearlescent highlights that contrasts with the SV-7GX's black-painted components for added depth and sophistication.
- This lighter-hued palette is offset by all-black fork sliders, semi-matte black finish frame tubes and impressive all-red painted wheels, all of which combine to lend a premium, understated presence.
- This color combination is perfect for those riders who seek a stealthy aesthetic with refined detailing.

3. Glass Sparkle Black (YVB)

- A timeless monotone black finish that offers universal appeal and a sense of approachable style, making it a color that any rider can feel comfortable choosing.
- Subtle yet unmistakably Suzuki, the design introduces the brand's signature blue accents on the wheels and graphics. This refined touch adds depth to the otherwise stealthy black scheme, quietly but confidently declaring its Suzuki identity.
- This color combination is ideal for riders who appreciate understated sophistication but still want to carry a distinctive mark of Suzuki's character.



Pearl Brilliant White /
Metallic Triton Blue (BQJ)



Pearl Matte Greige (Q2A)



Glass Sparkle Black (YVB)

9. SPECIFICATIONS

SV-7GX

Overall Length		2,160 mm (85.0 in)
Overall Width		910 mm (35.8 in)
Overall Height		1,295 mm (51.0 in)
Wheelbase		1,445 mm (56.9 in)
Ground Clearance		135 mm (5.3 in)
Seat Height		795 mm (31.3 in)
Curb Weight		211kg (465 lbs)
Engine Type		4-stroke, 2-cylinder, liquid-cooled, DOHC
Bore × Stroke		81.0 mm × 62.6 mm (3.2 in × 2.5 in)
Engine Displacement		645 cm³ (39.4 cu. in)
Compression Ratio		11.2:1
Fuel System		Fuel Injection
Starter System		Electric
Lubrication System		Wet sump
Transmission		6-speed constant mesh
Primary Reduction Ratio		2.088 (71 / 34)
Final Reduction Ratio		3.066 (46 / 15)
Suspension	Front	Telescopic, coil spring, oil damped
	Rear	Link type, coil spring, oil damped, spring preload adjustable
Rake/Trail		25° / 106 mm (4.2 in)
Brakes	Front	Disc, twin
	Rear	Disc
Tires	Front	120/70ZR17M/C (58W), tubeless
	Rear	160/60ZR17M/C (69W), tubeless
Ignition System		Electronic ignition (Transistorized)
Fuel Tank Capacity		17.4 L (4.5/3.8 US/Imp gal)
Oil Capacity (overhaul)		3.0 L (3.2/2.6 US/Imp qt)
Maximum Output		54 kW/8500 rpm
Maximum Torque		64 Nm/6800 rpm
Fuel Consumption		23.8 km/L (4.2 L/100 km) in WMTC
CO ₂ Emissions		97g/km

(European specifications shown)

- Actual fuel consumption and CO₂ emissions may differ depending on conditions such as weather, road, rider behavior, and maintenance.
- Specifications, appearances, color (including body color), equipment, materials and other aspects of SUZUKI products shown in this press kit are subject to change by Suzuki at any time without notice and may vary depending on local conditions or requirements.