

2019

SV650/A



GLASS SPARKLE BLACK

SV650 ABS

- // Liquid-cooled, 645cc, four-stroke, DOHC, V-twin engine delivers inspired performance
- // Suzuki EFI system with Low RPM Assist makes takeoffs smooth and pleasant
- // Steel trellis-style frame blends low weight and strength for nimble handling
- // Slim bodywork is aesthetically pleasing while aiding comfort and maneuverability
- // New front brakes and the compact ABS** system provide great stopping performance

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SUZUKI CONTINUES TO REFINE THIS ICONIC MOTORCYCLE THAT EMBODIES THE SPORTY PERSONALITY THAT ONLY A LIVELY, MID-SIZED V-TWIN ROADSTER CAN DELIVER. THE SV650 ABS HAS A POLISHED POWERPLANT THAT PROVIDES SURPRISING PERFORMANCE WITH LOW EMISSIONS AND OUTSTANDING FUEL ECONOMY, MATED TO REFINED TRIM AND A LIGHTWEIGHT CHASSIS THAT DELIVERS A SPORTY, EXCITING RIDE. NEW FOR 2019 IS A REPOSITIONED MUFFLER THAT INCREASES THE LEAN ANGLE WHEN CORNERING AND A PAIR OF NEW FOUR-PISTON TOKICO BRAKE CALIPERS UP FRONT FOR EXCELLENT STOPPING POWER. LIKE ITS PREDECESSORS, THE 2019 SV650 ABS PROMISES TO HAVE THE SPARKLING PERFORMANCE, STYLE, AND VALUE THAT A BROAD RANGE OF RIDERS WILL ENJOY.

SV650 ABS / FEATURES

KEY FEATURES

- // New for 2019, the SV650 ABS's Glass Sparkle Black bodywork is accompanied by the frame and wheels in matching blue metallic paint.
- // Visually stunning, the blue trellis-style frame is constructed of high-strength steel tubes so it contributes to the motorcycle's low weight and trim chassis.
- // The trim, black bodywork is aesthetically pleasing while aiding comfort and maneuverability.
- // The position of the muffler and its brushed stainless steel cover are changed to allow greater lean angles when cornering.
- // New, dual four-piston Tokico brake calipers up front grasp a pair of 290 mm fully floating stainless steel rotors for great stopping performance. The compact Anti-lock Brake System (ABS)** matches the braking performance to the available traction.
- // Liquid-cooled, 645cc, four-stroke, DOHC, 90-degree, L-twin engine has perfect primary balance so it smoothly pulls with authority from idle up to the 10,000 rpm redline.
- // Advanced EFI system includes Suzuki's Low RPM Assist feature that seamlessly adjusts engine speed during takeoff and low-speed running to smooth the power delivery and to help eliminate the possibility of the rider stalling the motorcycle.
- // Ten-hole, long-nose-type fuel injectors on each throttle body improve fuel atomization for better combustion efficiency while reducing fuel consumption.
- // The EFI system employs O2 feedback and a precise intake pressure sensor for optimum combustion efficiency in various conditions and reduces emissions to an incredibly low level.
- // Suzuki's patented Throttle-body Integrated Idle Speed Control (TI-ISC) eases starting, stabilizes the engine idle speed, and helps lower emissions. The system is compact and lightweight.
- // The TI-ISC on the SV650 ABS incorporates Suzuki's Low RPM Assist feature that seamlessly adjusts engine speed during takeoff and low-speed running to smooth the power delivery and to help eliminate the possibility of the rider stalling the motorcycle.
- // The Engine Control Module (ECM) provides state-of-the-art engine management and has enhanced settings to suit the intake and exhaust systems, resulting in better fuel economy and linear throttle response.
- // Advanced, transistorized ignition control programming helps maintain more precise spark timing to the four iridium, long-life spark plugs.
- // The SV650 also features Suzuki's Easy Start System (which was first featured on the GSX-S1000) that lets the rider start the motorcycle with a momentary press of the start switch without pulling in the clutch lever when the transmission is in neutral.

ENGINE FEATURES

- // Class exclusive*, 645cc, DOHC, V-twin engine produces strong, torque-rich horsepower while conforming to the latest emission requirements.
- // The engine's 90-degree L-twin configuration has perfect primary balance, so a heavy, power-robbing counter balancer is not needed.
- // The energy-efficient engine has unique pistons that were engineered with the use of Finite Element Method (FEM) analysis to achieve optimal rigidity and weight.
- // Each piston skirt has a special resin coating, and the other sliding parts are tinned for less friction and greater durability – a first for a Suzuki motorcycle.
- // Suzuki's innovative L-shaped piston rings contribute to reduced blow-by gas, resulting in less emissions and greater combustion efficiency.
- // Suzuki Composite Electrochemical Material (SCEM)-plated cylinders reduce friction and improve heat transfer and durability.
- // Both cylinder heads feature Suzuki's original Dual Spark Technology for greater combustion efficiency, better fuel economy, and cleaner emissions.
- // The fuel injection system employs Suzuki's innovative Suzuki Dual Throttle Valve (SDTV) with 39mm throttle bodies. The secondary throttle valves are controlled by servo motor for smooth power delivery and optimum combustion efficiency.
- // The air cleaner case design has high capacity and routes crankcase breather gas from the engine cover to help increase engine power. The air intake funnels have staggered lengths to heighten mid-range torque.
- // The exhaust system has a clean, functional appearance and lower weight. The 2-into-1 system has a catalyzer to further reduce emissions.
- // The location of the muffler and its brushed stainless steel cover are changed to allow greater lean angles when cornering.
- // The high-efficiency radiator employs a large cooling fan for exceptional cooling capacity. To further control temperature, the engine is also fitted with a coolant-cooled oil cooler that is compact and lightweight.
- // The close-ratio, six-speed transmission features carefully selected ratios that are equally well-suited for commuting or spirited riding.
- // The multiplate clutch has precise push rod actuation of the pressure plate for a light pull and consistent release point.

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CHASSIS FEATURES

- // The compact, lightweight chassis is covered with slim bodywork to create a bike that's agile and fun to ride on a variety of streets – such as city traffic, highway, rural roads, and winding roads.
- // The ready-to-ride weight of the 2019 SV650 ABS is a low 437 pounds.
- // The high-strength steel, trellis-style frame is key to the motorcycle's trim and intelligent dimensions. The seat height is just 785mm (30.9 inches) and is the lowest in the 600-800cc street bike class.
- // The SV650 ABS's fuel tank is short and narrow but maintains the same 3.8-gallon (14.5-liter) fuel capacity in both US and California versions.
- // The slim fuel tank and seat joint aid the rider in touching the ground better at stops.
- // The frame is mated to a steel, beam-type swingarm with a straightforward chain tension adjuster system.
- // The 41mm conventional-style front fork has a generous 125mm (4.9 inches) of wheel travel to provide a sporty but plush ride.
- // Link-type rear shock unit has 63mm (2.48-inch) stroke and is tuned for a superb progressive feel and to react efficiently to varied road conditions while still delivering an agile and stable feel.
- // The rear shock's spring pre-load is seven-way adjustable so you can easily adjust for a passenger or cargo.
- // The front brakes are updated with a pair of fully floating 290mm discs that are grasped by new, four-piston Tokico calipers for excellent braking performance. The compact Anti-Lock Braking System (ABS)* ensures braking power matches available traction.
- // Five-spoke cast aluminum alloy wheels are shod with lightweight, front and rear Dunlop radial tires for sharp handling and good mileage.
- // Dunlop Road Smart III tires are fitted to the SV650 ABS to help with handling and all-around tire performance.
- // With a fresh design, the compact and lightweight instrument cluster has a full LCD display, eliminating motor and needle mechanics.

- // The instrument panel has several features, including a tachometer, speedometer, odometer, dual trip meter, reserve trip meter, clock, coolant temperature/oil pressure indicator, ABS alert, and gear position, plus fuel consumption and driving range data.
- // Well-proportioned, tubular handlebars and mid-set foot controls create a sporting yet ergonomically relaxed riding position.
- // Tastefully designed, round-shaped headlight is multi-reflector type with 12V60/55-watt halogen bulb.
- // Bright, durable LED combination tail and brake light, plus front and rear, amber-tinted turn signals.
- // Attention to rider comfort and confidence includes a carefully shaped seat with a high-grip cover and integrated cargo retention loops that can pull out from under the seat.
- // The styling was conceived to express slim, lightweight design and to showcase the strength of the V-twin engine. The clean, neatly shaped body lines are aimed to be appealing to a wide range of riders.

ADDITIONAL FEATURES

- // Stylized Suzuki "S" 3D emblems on the fuel tank and the fork upper bracket denote the quality, sophistication, and performance legacy of the brand.
- // A variety of Genuine Suzuki Accessories for SV owners are available, including a large selection of Suzuki logo apparel.
- // Suzuki 12-month limited warranty. Longer coverage periods with other benefits available through Suzuki Extended Protection (SEP).
- // For more details, please visit www.suzukicycles.com.

* 600-800cc, street bike class.

** Depending on road surface conditions, such as wet, loose, or uneven roads, braking distance for an ABS-equipped vehicle may be longer than for a vehicle not equipped with ABS. ABS cannot prevent wheel skidding caused by braking while cornering. Please drive carefully and do not overly rely on ABS.

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SV650 ABS / SPECS

ENGINE

Engine:	645cc, 4-stroke, liquid-cooled, DOHC, 90°, V-twin
Bore x Stroke:	81.0 mm x 62.6 mm (3.189 in. x 2.465 in.)
Compression Ratio:	11.2:1
Fuel System:	Suzuki fuel injection with SDTV
Starter:	Electric
Lubrication:	Wet sump

DRIVE TRAIN

Transmission:	6-speed constant mesh
Clutch:	Wet, multi-plate type
Final Drive:	Chain, DID520V0, 112 links

CHASSIS

Suspension, Front:	Telescopic, coil spring, oil damped
Suspension, Rear:	Link type, single shock, coil spring, oil damped
Brakes, Front:	Dual, 4-piston calipers, twin disc, ABS-equipped
Brake, Rear:	Single, 1-piston caliper, single disc, ABS-equipped
Tire, Front:	120/70ZR17M/C (58W), tubeless
Tire, Rear:	160/60ZR17M/C (69W), tubeless
Fuel Tank Capacity:	14.5 L (3.8 US gal.)

ELECTRICAL

Ignition:	Electronic ignition (transistorized)
Headlight:	12V, 60/55W (H4))
Taillight:	LED

DIMENSIONS

Overall Length:	2140 mm (84.3 in.)
Overall Width:	760 mm (29.9 in.)
Overall Height:	1090 mm (42.9 in.)
Wheelbase:	1445 mm (56.9 in.)
Ground Clearance:	135 mm (5.3 in.)
Seat Height:	785 mm (30.9 in.)
Curb Weight:	198 kg (437.0 lb.)



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