

# 2018

## SV650/A



- Liquid-cooled, 645cc, 4-stroke, DOHC, V-Twin engine delivers inspired performance

- Suzuki EFI system with Low-RPM Assist makes takeoffs smooth and pleasant

- Trellis-style frame constructed of high-strength steel tubes contributes to the motorcycle's low weight and trim chassis

- Slim bodywork is aesthetically pleasing while aiding comfort and maneuverability

- Spring preload adjusters added to the fork and new Dunlop Road Smart III tires help make this the best-handling bike in its class



### SV650 ABS COLOR



Glass Sparkle Black

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Suzuki continues to refine this iconic motorcycle, which 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 a refined trim and lightweight chassis that delivers a sporty, exciting ride. Blend in a compact and effective Anti-lock Braking System (ABS)\* that delivers great stopping performance using the road's available traction for confidence-inspiring fun. Like its predecessors, the 2018 SV650 ABS promises to have the sparkling performance, style, and value that a broad range of riders will enjoy.

## SV650 ABS FEATURES

### ENGINE FEATURES

- Class exclusive,\*\* 645cc, DOHC, 90° V-Twin engine produces strong, torque-rich horsepower while conforming to the latest emission requirements.
- The energy-efficient engine has unique pistons that were engineered with the use of FEM (Finite Element Method) 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 reduced 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 39 mm throttle bodies. The secondary throttle valves are controlled by a servo motor for smooth power delivery and optimum combustion efficiency.
- 10-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 O<sub>2</sub> 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, which seamlessly adjusts engine speed during takeoff and low-speed riding 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 ABS also features Suzuki's Easy Start System (which was first featured on the GSX-S1000), which 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.
- 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 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, 6-speed transmission features carefully selected ratios that are equally well suited for commuting or spirited riding.
- The multi-plate clutch has precise rack & pinion actuation for a light pull and consistent release point.

### 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 streets, highways, rural roads, and winding roads.
- The ready-to-ride weight of the 2018 SV650 ABS is just 436.5 pounds.
- The high-strength steel, trellis-style frame is key to the motorcycle's trim and intelligent dimensions. The seat height is just 785 mm (30.9 in.) and is the lowest in the 600cc-800cc street bike class.
- The SV650 ABS's fuel tank is short and narrow but maintains the same 3.8 US gallon fuel capacity in both US and California versions.
- The slim fuel tank and seat joint help the rider touch the ground better at stops.
- The frame is mated to a steel beam-type swingarm with a straightforward chain tension adjuster system.
- The 41 mm conventional-style front fork has a generous 125 mm (4.9 in.) of wheel travel to provide a sporty but plush ride.
- New preload adjusters for 2018 on each fork leg allow the rider to quickly tune the front fork's spring rate for riding conditions or load weight.
- Link-type rear shock unit has 63 mm (2.48 in.) 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 preload is 7-way adjustable so you can easily adjust for a passenger or cargo.
- Front brakes with dual, fully floating 290 mm discs are grasped by 2-piston Tokico calipers for strong braking performance. A compact Anti-lock Braking System (ABS) ensures braking power matches available traction.
- 5-spoke cast-aluminum-alloy wheels are shod with lightweight front and rear Dunlop radial tires for sharp handling and good mileage.
- New Dunlop Road Smart III tires are fitted for 2018 to help with handling and all-around tire performance.
- Newly designed, 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, gear position, and ABS function alert light, 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 12V 60/55W 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 the slim, lightweight design and to showcase the strength of V-Twin engine. The clean, neatly shaped body lines are designed to be appealing to a wide range of riders.
- Racing stripes and refined fuel tank shape enhance the motorcycle's sporty character. Fuel tank capacity is an ample 14.5-liters (3.8 US gal) for both US and California specification models.
- A new glossy black color scheme is set off by the trellis frame finished in a bright red to deliver a European sport look.

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### SV650 ABS FEATURES

#### ADDITIONAL FEATURES

- Stylized Suzuki "S" 3-D 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 SV650 ABS owners are available, including a large selection of Suzuki logo apparel.

- 12-month limited warranty.
- For more details, please visit [www.suzukicycles.com](http://www.suzukicycles.com).

*\*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.*

*\*\*600cc-800cc, street bike class.*

### SV650 ABS SPECS

<b>Engine:</b>	645cc, 4-stroke, liquid-cooled, DOHC, 90° V-Twin
<b>Bore x Stroke:</b>	81.0 x 62.6 mm (3.189 x 2.465 in.)
<b>Compression Ratio:</b>	11.2:1
<b>Fuel System:</b>	Suzuki Fuel Injection
<b>Starter:</b>	Electric
<b>Lubrication:</b>	Wet sump
<b>Clutch:</b>	Wet multi-plate
<b>Transmission:</b>	6-speed constant mesh
<b>Final Drive:</b>	Chain, DID520V0, 112L
<b>Suspension, Front:</b>	Telescopic, coil spring, oil damped
<b>Suspension, Rear:</b>	Link type, single shock, coil spring, oil damped
<b>Brake, Front:</b>	Dual 2-piston calipers, twin disc brake rotor
<b>Brake, Rear:</b>	Single 1-piston caliper, single disc brake rotor

<b>Tire, Front:</b>	120/70ZR17M/C (58W), tubeless
<b>Tire, Rear:</b>	160/60ZR17M/C (69W), tubeless
<b>Fuel Tank Capacity:</b>	14.5 L (3.8 US gallons)
<b>Ignition:</b>	Electronic ignition (transistorized)
<b>Headlight:</b>	12V 60/55W (H4)
<b>Taillight:</b>	LED
<b>Overall Length:</b>	2,140 mm (84.3 in.)
<b>Overall Width:</b>	760 mm (29.9 in.)
<b>Overall Height:</b>	1,090 mm (42.9 in.)
<b>Wheelbase:</b>	1,445 mm (56.9 in.)
<b>Ground Clearance:</b>	135 mm (5.3 in.)
<b>Seat Height:</b>	785 mm (30.9 in.)
<b>Curb Weight:</b>	198 kg (436.5 lbs.)

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