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
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 multiplate clutch has precise push rod actuation of the pressure plate and wheels in matching blue metallic paint.

The close-ratio, six-speed transmission features carefully selected ratios that are equally well-suited for commuting or spirited riding.

The exhaust system has a clean, functional appearance and lower weight. The 2-into-1 system has a catalyzer to further reduce emissions.

The air cleaner case design has high capacity and routes crankcase breather gas from the engine cover to help increase engine power. The intake funnels have staggered lengths to heighten mid-range torque.

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 location of the muffler and its brushed stainless steel cover are changed to allow greater lean angles when cornering.

The air intake funnels have staggered lengths to heighten mid-range torque.

The compact Anti-lock Brake System (ABS)** matches the braking performance to the available traction.

The trim, black bodywork is aesthetically pleasing while aiding comfort and maneuverability.

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The Multiplate clutch has precise push rod actuation of the pressure plate for a light pull and consistent release point.
SV650 ABS / FEATURES

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.)