

SUZUKI

SV650/A

2017

NEW FOR 2017

V-twin engine has increased performance

Trellis-style, high-strength steel frame

EFI system with Low RPM Assist

Slim stylish body with low seat height

Triple disc brake system, ABS available



**ABS model shown.*

SV650/A COLORS



Pearl Mira Red



Pearl Glacier White
Not available with ABS

For 2017, Suzuki introduces a new version of an iconic motorcycle that embodies the sporty personality that only a lively, mid-sized V-twin roadster can deliver. The new SV650 and SV650 ABS have a polished powerplant that provides increased performance with low emissions and outstanding fuel economy, mated to refined trim and lightweight chassis that delivers a sporty, exciting ride. Like its predecessors, the 2017 SV650 models promise to have the sparkling performance, style and value that a variety of riders will enjoy.

SV650/A FEATURES

- Class exclusive*, 645cc DOHC 90°V-twin engine has been refined with more than 60 new parts to produce increased horsepower while conforming to the latest emission requirements.
- The energy efficient engine has new 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 top piston ring contributes to reduce blow-by gas, resulting in less emissions and greater combustion efficiency.
- SCEM (Suzuki Composite Electrochemical Material)-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, SDTV (Suzuki Dual Throttle Valve) with 39mm throttle bodies. The secondary throttle valves are controlled by servo motor for smooth power delivery and optimum combustion efficiency.
- Ten-hole; long-nosed type fuel injectors on each throttle body improves 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 has a new Low RPM Assist feature that seamlessly adjusts engine speed during take-off 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 projection-type, long-life spark plugs.
- The SV650 features a new Suzuki 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 button without pulling in the clutch lever when the transmission is in neutral.
- The air cleaner case is all new to accommodate crankcase breather relocation from the engine cover and the capacity changes required for the increased engine power. The air intake funnels have staggered lengths to heighten mid-range torque.
- The new exhaust system has a clean, functional improved flow, appearance and lower weight. The 2-into1 system has a catalyzer to further reduce emissions.
- The newly designed, high-efficiency radiator has an enlarged 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 rack and pinion actuation for a light pull and consistent release point.
- Dozens of new parts create a compact, lightweight chassis with slim bodywork 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 2017 SV650 ABS is 18 pounds less than the 2015 SFV650 ABS. The curb weight of the new SV650 is 15 pounds less than the SFV650.
- 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 in.) and is the lowest in the 600 – 800cc street bike class.
- The SV650's fuel tank width is 64.5mm (2.5 in.) narrower than the 2015 SFV650 but maintains the same fuel capacity. The slim fuel tank and seat joint aids 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 41mm conventional style front fork has a generous 125mm (4.9 in.) of wheel travel to provide a sporty, but plush ride.
- Link-type rear shock unit has 63mm (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 pre-load is 7-way adjustable so you can easily adjust for a passenger or cargo.
- Front brakes with fully floating 290mm discs are grasped by two-piston TOKIKO calipers for strong braking performance.
- Antilock Brake System (ABS**) monitors wheel speed 50 times per wheel rotation, and matches stopping power to available traction. (On ABS model only)
- The ABS control unit, produced by NISSIN, is a new compact and lightweight design, which is 1.8 pounds lighter than the unit used on the 2015 SFV650.
- Five-spoke cast-aluminum-alloy wheels are shod with lightweight, front and rear DUNLOP radial tires for sharp handling and good mileage.
- Fresh design, 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, 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 12V60/55W halogen bulb.
- Bright, durable LED combination tail and brake light, plus front and rear turn signals with clear lenses.
- 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.

Continued...

* 600cc-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 ride carefully and do not overly rely on ABS. (On ABS model only.)

SV650/A FEATURES CONT.

- The styling was conceived to express a slim, lightweight design and to showcase the strength of V-twin engine. The clean, neatly shaped body lines are aimed to be appealing to a wide range of riders.
- Racing stripes and refined fuel tank shape enhances the motorcycle's sporty character. Fuel tank capacity is an ample 14.5L (3.8 US gal), CA model (13.8L, 3.6 US gal).
- Stylized Suzuki "S" 3-D emblems on the fuel tank and the fork upper bracket denotes 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.
- 12-month limited warranty
- For more details, please visit www.suzukicycles.com.

SV650/A SPECIFICATIONS

Engine	645cc, 4-stroke, 2-cylinder, liquid-cooled, DOHC, 90-degree V-Twin
Fuel System	Suzuki fuel injection
Ignition	Electronic ignition (transistorized)
Starter	Electric
Transmission	6-speed constant mesh
Suspension Front	Telescopic, coil spring, oil damped
Suspension Rear	Link type, coil spring, oil damped, spring preload 7-step adjustable
Brakes Front	Disc brake, twin
Brakes Rear	Disc brake

Tires Front	120/70ZR-17M/C (58W), tubeless
Tires Rear	180/55ZR-17M/C (73W), tubeless
Overall Length	2140 mm (84.2 in)
Overall Width	760 mm (29.9 in)
Wheelbase	1445 mm (56.9 in)
Ground Clearance	135 mm (5.3 in)
Seat Height	785 mm (30.9 in)
Curb Weight	ABS model: 197 kg (434.3 lbs), Non-ABS model: 195 kg (429.9 lbs)
Fuel Tank Capacity	14.5 L (3.8 US gal), CA model: 13.8 L (3.6 US gal)

SV650/A DETAILS



*ABS model shown.

