



SV650/A



195kg*

Light Weight

With a remarkable weight of only 195kg*, the SV650 makes manoeuvring and handling a sheer joy. The benefits of making the motorcycle lightweight are multi-fold – more responsive acceleration, nimble handling and greater confidence in manoeuvring. Riders of all levels can take to the city or winding roads and experience unrestricted fun.

* ABS equipped model is 197kg

Slim Body

Achieving a slim body isn't only about the motorcycle's seat height. The SV650's streamlined profile is the result of ergonomically shaped side covers and optimised seat design, which let you straddle the motorcycle with your feet on the ground comfortably while stopped and easily lean into and manage corners while riding.

Truss pipe frame

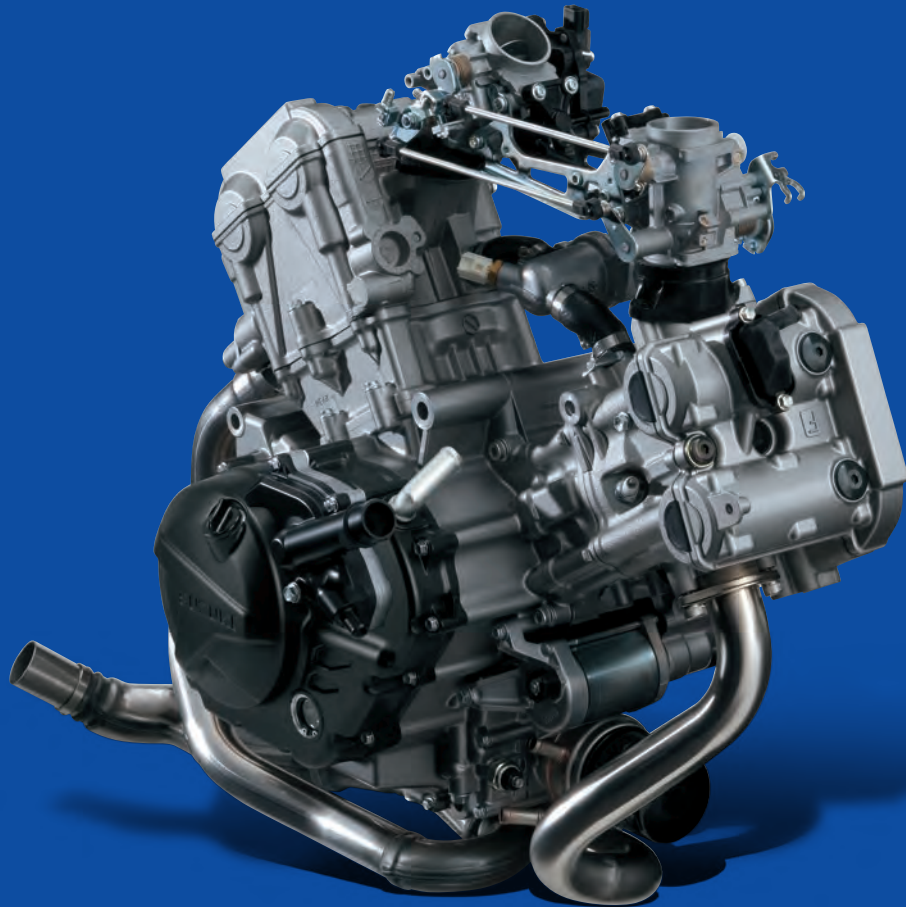
The truss is constructed of lightweight steel material that allows an overall slimmed down appearance while proudly emphasising the beauty of the robust V-twin engine.



Dual Spark 90° V-Twin

The Suzuki V-twin engine is a marvel of engineering and superb versatility. While at lower RPMs, this engine delivers powerful torque that's easy to handle and a deep robust sound. Open the throttle to mid-range, and the power of the engine responds linearly and smoothly, yet always under your control. Finally at higher RPMs, the V-twin cruises with performance ready to go, even at higher gears. The V-twin meets the latest EURO4 emissions regulations while achieving class-leading fuel economy (3.84L / 100km [26.05km / L]*) and higher maximum output.

*In WMTC mode measured by SUZUKI



SCEM

The aluminium die-cast cylinder adopts the patented Suzuki Composite Electrochemical Material (SCEM) chrome-plated cylinder, which provides high heat dissipation properties and resistance to wear. The hard exterior coat makes it possible to efficiently dissipate high heat while reducing friction, and achieve a consistent wear resistant seal on the piston rings.

Dual Spark Technology

Suzuki's Dual Spark Technology utilises two spark plugs per cylinder for precision ignition. The result is increased combustion efficiency, smoother power delivery, lower fuel consumption and lower emissions.



Newly designed pistons & rings

In order to further improve overall fuel efficiency and emissions control, the V-twin engine adopts two new innovations: resin coating on the piston skirt for minimised friction between the cylinder and piston, and a special L-shaped piston ring for enhanced seal performance and blow-by gas reduction.



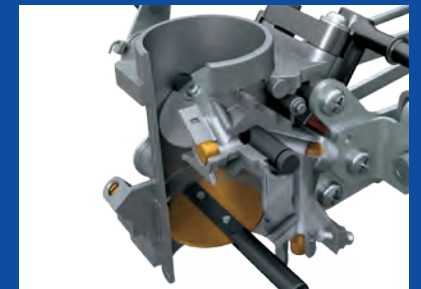
SDTV Fuel injection

The SV650 features Suzuki's performance-proven Dual Throttle Valve fuel-injection system, which includes dual butterfly valves per cylinder for enhanced power output efficiency. Combined with the ten-hole fuel injectors, fuel-combustion efficiency is further optimised as well as smoother power delivery and fuel economy. Furthermore, the system includes a thinner and lighter 39mm throttle body with a built-in ISC (Idle Speed Control), providing even more idling stability and environmental performance.



Low RPM Assist

New technology is featured on the new SV650, TI-ISC has the Low RPM Assist control function. In the launching operation or low rpm riding conditions, ECM activates ISC system. By opening the ISC circuits, engine rpm slightly raises. Normally in launching the motorcycle, engine rpm drops when the clutch is engaged. This general behavior causes engine stall. The Low RPM Assist helps rider for smoother launching operation in low rpm range. It also makes easy to ride at low speed in stop and go traffic.





Head Light

The round multi-reflector headlight is designed to distribute maximum amount of light to increase both rider and on-the-road safety. The refined design also makes the mounting harness invisible.



Fuel Tank

Despite its large 13-litre capacity, the fuel tank is slim yet sports an ergonomic form that is never cumbersome. Available in white, red, blue and black, with sporty racing stripes on the top of the tank.



Narrow Seat

The narrow, streamlined seat measures only 785mm and is designed nearly flat from front to back, yet gives riders a superior degree of visibility and grip in the upright position, especially from the front side where good foothold is essential. In addition, a luggage loop is available for securing on cargo.



LED Tail & Stop Lights

An integrated twin-LED tail light and brake light configuration is compact yet slim. High-performance LEDs contribute to deliver excellent visibility and high durability, and makes for a sharp, sleek rear section.



Exhaust System

The SV650's advanced exhaust system has been redesigned to be lighter and more compact, while conforming to EURO4 emissions standards and delivering excellent power.



The more you ride the SV650, the more you'll love it. Its smart design simplicity, distinctive form and functionality combine to make this motorcycle a centrepiece of attraction, wherever you go.

FEATURES FOR YOUR FUN AND EXCITEMENT



Full LCD Instrument Panel

A multifunction LCD instrument panel displays gear position, digital speedometer, tachometer, as well as indicators for odometer, trip meter, average/instantaneous fuel consumption, driving range, clock, water temperature gauge and fuel gauge. Backlight is adjustable in six levels of brightness and can be set to your preference.



Suzuki Easy Start System

The Suzuki Easy Start System engages the starter motor at a precisely timed preset interval to start the motorcycle with just a push of a button.

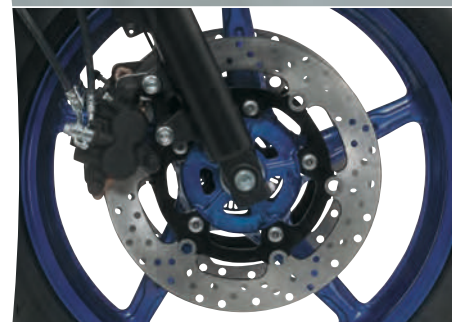
A computerised ECM checks the status and disengages the starter motor immediately after start.



Brakes & ABS

Large 290mm dual front disc brakes with ABS and 240mm rear brake disc provide incredible stopping performance and control. Compact and lightweight, the SV650 introduces state-of-the-art ABS technology manufactured by Nissin, thus making it possible to further reduce vehicle weight without sacrificing performance. ABS control unit monitors wheel revolutions at 50 times per revolution and uses over 100 separate sensor data criteria in order to deliver a high degree of braking and stabilisation control. Stopping distance performance is maintained relatively the same across various road conditions.

*Note1: 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. Note2: ABS is equipped only with SV650A.



Suspension

The front suspension system employs durable 41mm telescopic front forks, while the rear features a link-type suspension. Together, the SV650's suspension system ensures consistent ride-ability and sporty handling performance.



Five-spoke Aluminium Wheels With Radial Tyres

The five-spoke cast aluminium wheels create a sporty look. For excellent balance of cornering performance and straight-line speed stability, the SV650 uses the Dunlop radial sport 120/70ZR17M/C for the front and 160/60ZR17M/C for the rear.



Color Variations



Pearl Glacier White (YWW)



Metallic Triton Blue (YSF)



Metallic Mat Black No.2 (YKV)



Pearl Mira Red (YVZ)



Specifications

Overall length		2,140 mm (84.3 in)
Overall width		760 mm (29.9 in)
Overall height		1,090 mm (42.9 in)
Wheelbase		1,445 mm (56.9 in)
Ground clearance		135 mm (5.3 in)
Seat height		785 mm (30.9 in)
Curb mass	SV650	195 kg (430 lbs)
	SV650A	197 kg (434 lbs)
Engine type	4-stroke, 2-cylinder, liquid-cooled, DOHC, 90° V-Twin	
Bore × Stroke	81.0 mm × 62.6 mm (3.2 in × 2.5 in)	

Displacement	645 cm ³ (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 drive ratio	2.088 (71 / 34)	
Final drive ratio	3.066 (46 / 15)	
Suspension	Front	Telescopic, coil spring, oil damped
	Rear	Link type, coil spring, oil damped, spring preload adjustable

Rake / Trail		25.0° / 104 mm (4.1 in)
Brake	Front	Disc, twin
	Rear	Disc
Tyres	Front	120/70ZR17M/C (58W), tubeless
	Rear	160/60ZR17M/C (69W), tubeless
Ignition system	Electronic ignition (Transistorized)	
Fuel tank	13.8 L (3.6 US gal)	
	14.5 L (3.8 US gal) <North American spec>	
Oil capacity (Overhaul)	3.0 L (0.8 US gal)	

Specifications, appearances, color (including body color), equipment, materials and other aspects of the SUZUKI products shown in this catalog are subject to change by Suzuki at any time without notice and they may vary depending on local conditions or requirements. Some models are not available in some territories. Each model may be discontinued without notice. Please inquire at your local dealer for details of any such changes.

- Always wear a helmet, eye protection and protective clothing.
- Read your Owner's Manual carefully.
- Enjoy riding safely.
- Never ride under the influence of alcohol or other drugs.

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