

V-Strom 650/XT

The Adventure bike that's greater than the sum of its parts. It offers versatility and reliability like no other bike in its class. Get a big dose of fun when you take it down any type of road. V-Strom 650/XT – a true masterpiece.

Adventure, in All Directions



Key Features

Liquid-cooled 645cm³, 90-degree, V-twin engine delivers strong torque in the low to mid rpm range yet provides a strong rush of high-rpm power that's ideal for any riding mission.

Suzuki's Advanced Traction Control System*, Easy Start System, Low RPM Assist feature, plus ABS** technology make a great motorcycle incredible.

Adventure fairing, with the distinctive V-Strom front "beak" design, vertically stacked headlights, and three-way adjustable windscreen, houses a multifunction, illumination-adjustable instrument panel that delivers a wealth of information.

The strong and light chassis has integrated mount points for unified Suzuki V-Strom luggage that's easy to clip on and off and keeps the motorcycle trim when ready for touring.

Engine Features

Using SV650 street model engineering, the V-Strom 650/XT's liquid-cooled, DOHC, V-twin engine has been tuned to deliver clean, strong power throughout its operating range.

Low-friction resin-coated pistons and SCEM-coated cylinders help deliver high mileage for class-leading touring range.

Unique engine under cowlings and select fasteners are designed to permit the use of Torx drivers or conventional hex-style tools.

The sleek 2-into-1 exhaust system routes below the chassis to reduce weight, centralize mass, and provide

space for a narrow tail section (and optional luggage).

The exhaust system has twin catalytic converters and employs O₂ feedback to the electronic fuel injection system to produce optimum combustion efficiency and reduce emissions to an incredibly low level.

The fuel-injection system employs Suzuki's innovative SDTV (Suzuki Dual Throttle Valve) on 39mm throttle bodies. The secondary throttle valves are controlled by a servo motor for smooth power delivery.

Long-nosed 10-hole fuel injectors on each throttle body improve fuel atomization for better combustion efficiency while reducing fuel consumption.

Suzuki's patented Throttle-body Integrated Idle Speed Control (TI-ISC) stabilizes the engine idle speed and helps lower emissions. The system is compact and lightweight.

Suzuki's Low RPM Assist feature leverages TI-ISC to seamlessly adjust engine speed to smooth power delivery during standing starts and low-speed riding. It also helps reduce the possibility of the rider stalling the motorcycle.

The Engine Control Module (ECM) helps realize state-of-the-art engine management and has enhanced settings to suit the updated intake and exhaust systems, resulting in better fuel economy and linear throttle response.

The engine uses Suzuki's Dual Spark Technology heads with two high-energy, slim electrode spark plugs per cylinder, which aid in combustion efficiency and power production.

The V-Strom 650/XT is equipped with Suzuki's Advanced Traction Control System*, which lets the rider control the throttle with more confidence in various riding conditions. It continuously monitors front and rear wheel speeds, throttle opening, engine speed, and the selected transmission gear to adjust engine output if wheel spin is detected.

There are three traction control modes (1, 2, and OFF), and the difference between the modes is their sensitivity to road conditions. Mode 1 is the lower sensitivity level, most suitable for skilled riders or in conditions that have good road surface grip (riding on good, smooth roads). Mode 2 is the higher sensitivity level, suitable for road conditions where the grip may be limited (wet or cold surfaces). OFF disengages all traction control features.

This V-Strom also features the Suzuki Easy Start System, which lets the rider start the motorcycle with one quick press of the start button, and without pulling in the clutch lever when the transmission is in neutral.

The compact radiator is flanked by wind-directing plates that enhance cooling efficiency and direct heat out of the side vents away from the rider's legs.

The 6-speed transmission suits sporty rides with tight first through fifth gear ratios and a tall top gear (sixth gear) for highway cruising.

Low-maintenance, long-life sealed O-ring drive chain is standard.

Chassis Features

The beak-style fairing, with vertically stacked headlights and a new

mounting structure, helps the V-Strom 650/XT cut through the wind and protect the rider in style.

The three-way height-adjustable windscreen was wind tunnel tested to reduce wind noise, buffeting, and rider fatigue.

The fuel tank has a generous 20.0L capacity but is shaped to be thin at the rear to flow into the slimmer seat, so it aids the rider in touching the ground at stops.

The spacious two-up seat combines smooth and slip-resistant surfaces, plus an embossed V-Strom logo.

The lightweight, rigid twin-spar aluminum frame and swingarm contribute to smooth handling performance and excellent stability.

Spring-preload-adjustable 43mm front forks and link-type rear suspension are combined with a rebound damping adjustment and hand-operated spring preload adjuster.

The sporty 10-spoke cast aluminum wheels on the V-Strom 650 help maximize road holding ability and reduce weight.

The V-Strom 650/XT features wire-spoked wheels with aluminum rims that absorb shock better on rough surfaces due to the flexible character of spokes.

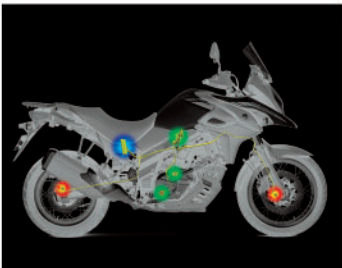
A 19-inch front and 17-inch rear Bridgestone BATTLAX ADVENTURE A40 tubeless radial tire is mounted to the wheels for all-around good performance.

Front dual 310mm disc brakes and a rear 260mm disc brake deliver controlled stopping power.

A compact Anti-lock Brake System (ABS)** monitors wheel speed to



Sophisticated V-Twin Performance



Advanced Traction Control System



Beak design



Three-way adjustable windscreen

match braking to available traction.

The lightweight rear carrier incorporates easy-to-grasp grab bars and aligns with the passenger section of the seat, offering a larger surface for carrying cargo or luggage.

The V-Strom 650XT comes with knuckle covers and a protective engine under cowling.

Electrical Features

The multifunction instrument panel features brightness-adjustable LED backlighting for its large diameter analog tachometer, digital speedometer, and LCD display.

LCD readouts include odometer, dual trip meter, traction control modes, gear position, coolant and ambient temperature, fuel consumption, fuel gauge, and clock. Switching between readings can be done with the left handlebar switch.

LED indicators include an ABS alert and a freeze warning icon, which together with the air temperature display warn of possible icy road conditions.

The stacked, 65/55-watt halogen headlamps illuminate the road when riding at night.

The LED tail and brake lights are bright and vibration resistant. The turn signals use bright amber incandescent bulbs with clear lenses.

A handy 12-volt DC outlet is mounted on the inner dash.

Additional Features

Genuine Suzuki Accessories include side and top cases, engine guards, low- and high-profile seats, heated

grips, hand guards, and more.

* The Traction Control System is not a substitute for the rider's throttle control, and traction control cannot prevent loss of traction due to excessive speed when entering turns, or while braking, and it does not control front wheel traction.

** ABS is not designed to shorten the braking distance. ABS cannot prevent wheel skidding caused by braking while cornering. Please ride carefully and do not overly rely on ABS.



The Master of Adventure

V-Strom 650XT

Colors



Champion Yellow No.2 (YU1)



Pearl Vigor Blue / Pearl Brilliant White (JWN)



Glass Sparkle Black (YVB)

V-Strom 650

Colors



Pearl Vigor Blue (YKY)



Solid Iron Gray (YUD)



Glass Sparkle Black (YVB)



Dual Spark



SDTV



SCEM
LOW RPM
ASSIST



TCS



EASY START



SAIS



EURO5



ABS