

V-STROM 1050DE

The Master of Adventure. For Wherever Your Journey Takes You.

A proud member of Suzuki's iconic V-STROM series, the V-STROM 1050DE is built to inspire your spirit of adventure. Explore a gravel road through the forest heading to a hidden mountain lake. The V-STROM 1050DE opens new paths to excitement but still gets you to your destination in comfort and style.



* This photo includes optional accessories.

Key Features

The Suzuki Intelligent Ride System (S.I.R.S.) is a robust collection of Suzuki's latest electronic systems, including the Bi-directional Quick Shift System, Ride-by-wire Electronic Throttle System, Traction Control System, Suzuki Drive Mode Selector (SDMS), as well as the Easy Start System.

V-STROM 1050DE adds both the **Gravel Mode** to the Traction Control System and also a **Rear ABS Off Mode** to improve controllability on gravel roads or other unpaved surfaces.

Custom chassis geometry is designed to deliver greater stability and controllability on gravel or flat dirt, while providing a comfortable riding position and well-balanced front/rear weight distribution.

The powerful 1037cm³ V-twin engine features strong linear torque in the mid rpm range and a free-revving nature that maximizes power output in the high rpm range. The engine also combines exceptionally strong pull especially in the lower rpm range with good fuel economy, all while complying with Euro 5+ regulations.

The tried and proven twin-spar aluminum alloy frame is light but strong. This contributes to excellent handling and maneuverability as well as superb stability, whether on paved roads or heading down country trails.

The V-STROM 1050DE rides on **wire-spoked wheels** and adopts a 21-inch aluminum front rim shod with a semi-block pattern tire for greater stability and control when tearing up gravel



21-inch Wire Spoked Front Wheel



Rear ABS off Mode & G (Gravel) Mode



Aluminum Engine Protector



Color Multi-information Instrument Cluster

and flat dirt.

The styling design is a modern interpretation of Suzuki's legendary DR-Z Paris-Dakar racer. With straight, sharp lines, including for the prominent beak design, the look strongly reflects Suzuki's distinctive design DNA, with a more aggressive yet sophisticated look as you head off to explore wilderness trails.

A custom 5-inch color TFT LCD multi-function instrument panel features a clearly legible display with a rich variety of information.

The height of the rider's seat can be raised 20mm using a height riser stored beneath the pillion seat. Both rider and pillion seat are independently designed to provide comfortable firmness for less fatigue on long rides.

The windscreen features 50mm of vertical adjustment made by using a quick release handle. The shape of the windscreen is designed to maximize comfort when touring for long distances.

Engine Features

The liquid-cooled 1037cm³ DOHC 90-degree V-twin engine delivers plenty of horsepower, abundant torque, and good fuel economy, while at the same time satisfying Euro 5+ regulations.

The six-speed transmission is optimized for smooth shifting from first through fifth gears, making acceleration fast and smooth, while the ratio for sixth gear makes riding at highway speeds more comfortable, enjoyable and easy to control.

Suzuki Clutch Assist System (SCAS) delivers sure operation and a light touch to clutch lever

operation that helps reduce left hand fatigue. At the same time, it ensures positive power transfer when accelerating and smoother deceleration when downshifting.

Suzuki Dual Spark Technology utilizes two iridium spark plugs, one for each cylinder, which contributes to smooth power delivery, low fuel consumption, low emissions, linear throttle response, easy engine start-up, and stable idling.

Highly-rigid, lightweight forged pistons engineered using FEM analysis achieve ideal rigidity, weight, and durability.

The pistons move within **Suzuki Composite Electrochemical Material (SCEM)** – coated cylinder bores that are integrated into the upper crankcase for low weight, increased durability, reduced friction, and excellent heat dissipation.

Electronic Throttle Bodies do not use mechanical cables. The throttle feel is light, smooth, and linear. The butterfly valve of each throttle body is opened and closed independently to achieve more precise throttle control and help realize more stable idling.

The 2-into-1 exhaust system produces a pleasing note that befits the V-twin engine. Its high-efficiency catalytic converter helps comply with Euro 5+ regulations, while maximizing power output and overall performance.

Hollow sodium-filled exhaust valves help reduce the temperature in the combustion chamber. This not only results in better loading efficiency and a better feeling to engine operation, it also contributes to improving the durability of the valves.

Each cylinder is fed by a fuel injector, located downstream of the throttle body on the intake manifold. This creates good fuel atomization for superior combustion efficiency and low fuel consumption.

The TI-ISC (Throttle-body Integrated Idle Speed Control) is a key to the V-STROM's Low RPM Assist feature that seamlessly adjusts idle speed during standing starts and low-speed riding for smooth power delivery and less possibility of the engine stalling.

Matched to the efficient exhaust system, **the Suzuki Pulsed-secondary AIR- injection (PAIR) system** injects fresh air into the exhaust ports to optimize emissions control without sacrificing performance.

The radiator's high cooling capacity is designed to accommodate the high engine output. Coolant temperature is stabilized via a thermostatically controlled cooling fan.

To accent the engine, a bronze finish is applied to the cylinder head covers, clutch cover, magneto cover, and water pump case for a striking contrast with the black crankcase.

Suzuki Intelligent Ride System (S.I.R.S.) Features

Suzuki's robust collection of the latest electronic systems was developed to assist and help you optimize performance characteristics to match your changing riding needs and preferences. By making the V-STROM 1050DE feel more controllable, predictable, and less tiring to operate, these systems help you ride with greater

confidence and peace of mind, whether touring for long distances, carrying gear, or leaving the paved roads behind to explore rural trails.

Suzuki Drive Mode Selector (SDMS) provides you with a choice of three different engine power output modes to match the riding conditions and your preferred style. Working in concert with the Suzuki Traction Control System, SDMS permits peak power in each mode while changing the nature of the power delivery.

• A Mode – provides the sharpest throttle response.

• B Mode – provides more moderate throttle response.

• C Mode – provides the softest throttle response of the three modes.

Suzuki Traction Control System (STCS)* continuously monitors front and rear wheel speeds, throttle opening, engine speed, and gear position. It quickly reduces engine output when it detects wheel spin by adjusting ignition timing and air delivery. STCS offers 4 mode settings (plus an OFF setting) to let you control the throttle with more confidence by limiting rear wheel spin in a variety of riding conditions.

• Mode 1 – for sport riding with minimal intervention from the system.

• Mode 2 – for city riding and regular road conditions with a ideally fitted balance.

• Mode 3 – for wet or slippery road conditions.

• G (Gravel) Mode – for riding on unpaved surfaces.

G (Gravel) Mode setting retards ignition timing to help you better negotiate gravel roads by allowing some slip when riding on unpaved surfaces. As a result, the bike remains controllable and you still get the consistent power output you want. Gravel Mode promotes greater confidence and makes it more exciting and enjoyable to explore unpaved roads and country trails.

Note: Because G (Gravel) Mode allows a certain amount of rear tire slip, it is not suitable for use on paved surfaces.

Cruise Control System maintains your preset road speed without operating the throttle – a welcome feature for long-distance riding that can reduce fatigue. The system allows settings when riding in 2nd gear or higher at engine speeds between 2,000rpm and 7,000rpm, corresponding to vehicle speeds of roughly 25km/h to 160km/h. The handy resume function re-engages the system and returns to the most recent speed setting after cancelling.

Ride-by-wire Electronic Throttle System is a cable-free system that leverages the onboard ECM to finely control the relationship between throttle action and engine output characteristics. Individual settings are tuned to match each of the SDMS modes. The system provides controllability and faithful response, especially when riding on gravel roads.

Bi-directional Quick Shift System lets you shift up or down without operating the clutch lever. When activated, the system delivers clean, silky smooth upshifts with uninterrupted acceleration. Downshifts are also quick and smooth, thanks in part to automatic hands-free blipping

and engine braking working together harmoniously. This distinctive feature enhances the riding experience the minute you hit the road and you will immediately feel the benefits of reduced fatigue.

Suzuki Easy Start System lets you start the engine with just one quick press of a button without pulling in the clutch lever when in neutral. A function used on every outing, Easy Start makes your riding experience all the more pleasurable and convenient.

Low RPM Assist helps you operate and control the bike more easily in stop-and-go traffic by helping maintain engine idle speed for smoother and easier starts.

Motion Track Brake System combines vehicle posture data from the IMU with front and rear wheel speed sensor data to allow Anti-lock Brake System (ABS)** activation, even when leaning into corners. This helps maintain traction and lean angle so you can better trace your intended line through the corner. Mode 1 provides minimal intervention, while Mode 2 intervenes more proactively.

Rear ABS Off mode is also offered to improve performance on gravel and other unpaved surfaces by switching off rear ABS.

Combined Brake System provides braking power to both the front and rear brakes by simply operating the front brake lever. This can support more confident braking.

Hill Hold Control System automatically engages the rear brake for 30 seconds after coming to a stop while facing uphill on an incline, even when you release

the brake lever or pedal. This helps ensure a smoother restart free of worries that the bike will roll backward.

Load Dependent Control System recognizes changes in the load conditions of any given moment and responds by automatically adjusting brake pressure to provide stable braking regardless of the load you are carrying.

Slope Dependent Control System controls brake pressure to prevent rear wheel lift and help achieve confident braking, even riding downhill, by constantly monitoring the motorcycle's posture and angle.

Supporting Technologies

Inertial Measurement Unit (IMU) combines accelerometers and gyroscopes in a single compact package. The 6-axis IMU supplied by Bosch measures angular rate and acceleration to constantly monitor pitch, roll, and yaw movement. Some of the advanced features of S.I.R.S., including Motion Track Brake, Cruise Control, Slope Dependent Control and Hill Hold Control, employ data provided by the IMU.

Controller Area Network (CAN bus) enables its various sensors and microcontrollers to communicate with each other. The capabilities it brings to the table are what make it possible to include advanced systems such as Motion Track Brake, Cruise Control, Slope Dependent Control, Load Dependent Control and Hill Hold Control.

Engine Control Module (ECM) has a fast processor and programming that efficiently operates the fuel-injection system, Ride-by-wire throttle bodies, ignition,

cruise control, and other electrical features.

ABS Unit from Bosch is compact and light, working with the IMU. It realizes systems such as the Motion Track Brake, Hill Hold Control, Load Dependent Control and Slope Dependent Control.

* The traction control system is not a substitute for the rider's throttle control. It cannot prevent loss of traction due to excessive speed when the rider enters a turn and/or applies the brakes. Neither can it prevent the front wheel from losing grip.

** ABS is not designed to shorten the braking distance. Please always ride at a safe speed for road and weather conditions, including while cornering.

Chassis Features

Twin-spar alloy frame, one part of the V-STROM legacy aluminum frame, is durable and balances weight and rigidity for optimal handling on various types of roads. It incorporates aluminum castings and extruded aluminum sections to lend the right amount of suppleness and strength to an overall rigid alloy structure. The frame's seat rails offer good support the input load from unpaved surfaces.

Chassis geometry for V-STROM 1050DE features a longer wheelbase, longer rake, more ground clearance and a wider handlebar grip than V-STROM 1050 to provide stability and controllability that is specifically fit for riding on unpaved surfaces while providing a comfortable riding position. It also includes a longer aluminum swingarm with enhanced torsional rigidity to

support the increased suspension travel and longer wheelbase that makes for greater stability and more nimble handling when riding on gravel roads.

The fully adjustable inverted front forks provide a sporty, yet plush ride in diverse conditions. The fork legs have adjustable spring preload plus compression and rebound damping force adjusters.

The radial mount monobloc 4-piston front brake calipers are mated with 310mm floating-mount dual discs. These efficient calipers are connected to ABS and Combination Brake Systems for sure stopping performance.

Wire-spoked wheels shod with a 21-inch aluminum rim in the front are better able to endure the pounding when exploring trails and other rough surfaces with excellent stability and control.

Large 21-inch front and 17-inch rear adventure tires feature a semi-block tread pattern and custom-designed internal structure that deliver the solid traction and performance you want when exploring open trails.

Three-piece front fender construction forms a stronger, more rigid mount to the forks and is built to withstand the bumps and bruises of a rough riding surface such as gravel roads.

Tapered aluminum handlebars use thicker tubing and a softer grade aluminum to flex just the right amount and better absorb bumps to make exciting runs on rough ground easier on your hands and arms. The wide grip enhances controllability, particularly when standing on the pegs to negotiate rough surfaces.

Wide and tough-looking steel footpegs are designed to offer greater stability when standing on the pegs while riding.

Fixed-height seat design reduces weight while also achieving greater rigidity. This durable seat better stands up to input load when riding on unpaved surfaces, and readily adjusts to weight shifts as you change position to master the terrain. Optional higher and lower seats are also available as genuine Suzuki accessories.

The sides of the two-tone seat are covered with high-grip texture material that helps you and your passenger stay connected to the motorcycle.

The slender chassis, thanks to the narrow V-twin engine design, fuel tank, and trim seat, helps your legs reach the ground easily.

The fuel tank has a generous 20L capacity and its shape and protective cover have been designed for a slim tank-seat junction that heightens riding comfort.

The smoke-tinted windscreen is designed to maximize visibility when exploring down country trails and on gravel roads. Even with its low height, this windscreen effectively cuts wind noise and prevents buffeting to assure comfort for the rider.

The mirrors complement the V-STROM 1050DE's tough-looking styling with a design that also provides excellent visual confirmation of following traffic.

V-STROM 1050DE's other trail-ready gear includes a tough-looking standard-equipment **aluminum engine protector** and a **strong drive chain**.

An aluminum skid plate with a smooth finish and alumite treatment, shields the front of the engine from mud and other debris.

A sure-footed center stand helps you when servicing the motorcycle or loading luggage.

The accessory bar is standard-equipment and is sturdy to protect the frame and other vulnerable parts in the event the bike is dropped. It is also useful for mounting the separately sold fog lamp set or other accessories.

Electrical Feature

The 5-inch color TFT LCD multifunction instrument panel keeps you fully aware of all the bike's systems and settings, and supplies vital real-time operating status information. The tachometer also serves as a programable rpm indicator.

The LCD screen displays the Speedometer, Tachometer, Riding range, Cruise control setting, Cruise control resume speed, Hill hold control setting, Odometer, Dual trip meter, Gear position, Water temperature, Ambient temperature, Freeze indicator, Engine rpm indicator, Average fuel consumption, Instant fuel consumption, SDMS mode, ABS mode, ABS rear off, Traction control mode, Quick shift system (On/Off), Fuel gage, 12-hour clock, Voltmeter, and Service reminder.

The LCD display also has a function that lets you display large pop-up alerts and warnings. Manual or automatic switching settings for the day (white) and night (black) display modes let you maximize visibility at any hour and in any riding situation.

Handlebar switches are designed for intuitive operation to maximize operating ease and efficiency so you can access all controls while focusing on the road ahead.

Selecting modes and making settings and adjustments for each S.I.R.S. system can be done by simply operating the MODE and UP/DOWN switches on the left handlebar. In addition, you can quickly engage or resume cruise control using a dedicated button on the right handlebar switch.

A USB port is conveniently located on the left side of the instrument panel. This fused port is ideal for recharging smartphones.

A 12V DC socket is located under the passenger seat. This convenient outlet can be used to charge or power a range of electrical devices.

The front fairing features a stacked, rectangular **LED headlight** for excellent road and trail illumination.

An LED rear tail and brake light with a clear lens offers high visibility, low electrical draw, and excellent durability.

The lightweight, low-draw LED turn signals are bright and clearly visible.

Additional Features

A wide variety of **Genuine Suzuki Accessories** are available for V-STROM 1050DE owners, making it easy to enjoy your bike tours.

Top and side cases are available in aluminum or plastic versions. Both are rugged, weather-resistant, allow you to carry all

your gear for a long outing, and are designed to not interfere with the V-STROM 1050DE's handling or stability, even when loaded cases are attached.

Higher or lower seats are available as options. The low seat can be lowered by approximately 30mm to offer more riders greater control and confidence when the bike is stopped while the high seat raises height by approximately 30mm to meet the rider's preference.

The bright LED fog lamp set attaches firmly to the accessory bar* to provide better visibility when riding in inclement conditions, and heightens the appeal of the bike's adventure styling.

The grip heater warms the entire surface of the grips and offers three levels of heat settings to provide greater comfort to match a wide variety of riding conditions.

Additional lock tumblers that match the bike's ignition key are included, so you can add Suzuki accessory luggage and have the convenience of one-key operation*.

* Does not apply to Suzuki accessory aluminum top case or side case set.



* This photo includes optional accessories.

Personalize Your Ride

Suzuki offers a rich line-up of **genuine accessories** for the V-STROM 1050DE that make it easy to trick out your ride.



Top and Side Cases

These rugged, weather-resistant cases allow you to carry all your gear for a long outing, and are designed to not interfere with the V-STROM 1050/DE's handling or stability, even with loaded cases attached. Aluminum top case: Max loading 3kg and case capacity 38L. Aluminum side case set: Max loading 3kg and case capacity 37L each. Plastic top and side cases are also available. Plastic top case: Max loading 5kg and case capacity 35L. Plastic side case set: Max loading 5kg each and case capacity 26L(right) and 29L(left). Please use these items in the speed less than 130km/h.



Low and High Seat Options

Low seats available for the V-STROM 1050 and V-STROM 1050DE lower seat height by approximately 30mm to offer more riders greater control and confidence when the bike is stopped. The V-STROM 1050DE also offers a high seat option that raises seat height by approximately 30mm.



Grip Heater

Heats the entire surface of the grips and offers three levels of heat settings provide greater comfort to match a wide variety of riding conditions.



LED Fog Lamp Set

This bright LED fog lamp attaches firmly to the accessory bar* to provide better visibility when riding in inclement conditions, and to heighten the appeal of the bike's adventure styling.
* The accessory bar is standard equipment on the V-STROM 1050DE and is available as a genuine accessory for the V-STROM 1050.



* This photo includes optional accessories.
* Photo of 2024 model.

Colors



Champion Yellow No.2 / Glass Sparkle Black (BT1)



Pearl Tech White / Glass Sparkle Black (CK6)



Glass Sparkle Black / Metallic Mat Black No.2 (C4X)

- Bi-directional Quick Shift System
- Cruise Control System
- HHCS
- SAIS
- SDCS
- Dual Spark
- LDCS
- SCEM
- Ride-by-wire
- SCAS
- EASY START
- EURO5
- LOW RPM ASSIST
- ABS Mode
- SBLC
- SDMS
- Gravel Mode
- Motion Track Brake System
- ABS
- Rear ABS
- Off Mode