

October 1, 2024

2025 KAWASAKI NINJA® 1100SX ABS SPORT TOURING MOTORCYCLE

PERFORMANCE TO TAKE YOU FURTHER

Kawasaki is further expanding its impressive Ninja® family lineup with the new [2025 Ninja® 1100SX ABS](#) and Ninja® 1100SX SE ABS sport touring motorcycles. Entering its fifth generation, the Ninja sport touring platform continues to captivate supersport-minded riders seeking street-riding excitement in a variety of scenarios, from sport riding and touring to city commuting.

With a blend of sport performance, aggressive Ninja aesthetics, touring capability, and a relaxed riding position, the Ninja 1100SX ABS is designed to be the ultimate sport touring package. The new Ninja 1100SX ABS delivers enhanced performance and features, including an increased engine displacement, optimized gear ratios, refined Kawasaki Quick Shifter (KQS), a handlebar-mounted USB Type-C outlet, and voice control for Kawasaki's smartphone connectivity, making it better than ever for touring and everyday riding.



The new special edition Ninja 1100SX SE ABS model elevates the riding experience with premium features such as an Öhlins rear suspension, Brembo® brake components, USB type-C outlet, and grip heaters. These enhancements offer an even more refined and comfortable ride, ensuring that every journey is a pleasure. With these new models, Kawasaki continues to deliver the perfect balance of performance, comfort, and cutting-edge technology in the sport touring category.

2025 NINJA® 1100SX ABS HIGHLIGHTS

- **NEW** 1,099cc 4-stroke in-line four engine
- **NEW** improved Kawasaki Quick Shifter (KQS)
- Advanced electronics package
- Supersport-style chassis components
- **NEW** Öhlins rear suspension (SE model)
- **NEW** Brembo front brake system (SE model)
- **NEW** USB type-C outlet
- RIDEOLGY THE APP MOTORCYCLE* with voice command
- Relaxed riding position
- Dynamic Ninja styling

ENGINE

The Ninja 1100SX ABS is equipped with a powerful 4-stroke inline-four engine that elevates the riding experience with its robust midrange and top-end capabilities. The engine's displacement has been increased from 1,043cc to 1,099cc, enhancing performance across the board. This adjustment not only boosts the engine's power but also strengthens its low-mid range torque, ensuring that riders receive responsive power exactly when and where they need it. The sound of the exhaust and intake further enriches the ride, letting riders hear and feel the engine's dynamics adding to the riding excitement.

A key feature of this engine is its liquid-cooled, DOHC, 16-valve configuration, with a bore and stroke of 77.0 x 59.0mm. This setup provides impressive power and torque throughout the rev range, making it suitable for various riding conditions. The 3mm longer stroke compared to previous models enhances torque, giving the bike an edge in acceleration and overall performance. The downdraft throttle bodies contribute by allowing intake air to travel the shortest, most direct route, optimizing both performance and engine responsiveness. A secondary balancer to minimize excess vibration, the Ninja 1100SX ABS ensures that riders enjoy both comfort and control, even during the most spirited rides.

The Ninja 1100SX ABS incorporates a state-of-the-art throttle system. The 38mm throttle bore, selected for its low-mid range response, is designed to be lightweight and saves approximately 130g. The intake port has been revised and is now narrower, increasing intake flow velocity for better low-to-mid-range performance. The ECU settings have been meticulously optimized for the higher displacement, with adjustments in throttle valve opening characteristics up to the ignition cutoff for seamless performance.

Attention to detail extends to other components, such as the engine's flywheel mass, which has been increased to accommodate the higher displacement, enhancing rideability in the low-mid rpm range. Longer fifth and sixth gears improve power feel in fifth and reduce engine speed when cruising on the top gear for a more comfortable ride on the open highway. Longer primary reduction, combined with shorter final gearing, results in longer overall gearing that optimizes power feel of the larger engine. The exhaust system features a 4-into-2-into pre-chamber-into-1 arrangement, adding a sporty aesthetic while incorporating an additional O2 sensor and catalyzer for effective exhaust management.

A standout feature is the race-inspired Assist & Slipper clutch technology, which provides both a back-torque limiting function and a very light feel at the lever. This system uses an assist cam and a slipper cam to ensure smooth clutch operation and reduce back-torque, preventing rear tire hopping during quick downshifts.

POWER MODES

A choice between full power and low power modes allows riders to adjust power delivery to suit their preferences and riding conditions. In both modes, the output at lower RPM remains the same, but low power mode limits the overall output to approximately 75% of full power and provides a milder throttle response. The reduction in power and throttle response varies depending on engine speed

(RPM), throttle position, and gear position, offering a customizable riding experience tailored to different scenarios.

INTEGRATED RIDING MODES

The Ninja 1100SX ABS features integrated riding modes that link Kawasaki TRaction Control (KTRC) and Power Modes, allowing riders to efficiently adjust traction control and power delivery for different riding conditions. Riders can choose from three pre-set modes—Sport, Road, and Rain—or opt for a manual setting (Rider) where each system can be set independently. Sport mode is designed for spirited, sporty riding, while the Road mode accommodates a wide range of scenarios, from city commutes to highway cruises and rural roads. The Rain mode provides additional reassurance when riding on wet surfaces.

Switching between riding modes is convenient and can be done while riding using the button on the left handlebar, ensuring that riders can adapt to changing conditions seamlessly. The ability to customize the Rider mode further allows experienced riders to tailor the bike's performance to their specific preferences, making the Ninja 1100SX ABS adaptable to various riding styles and environments.

KAWASAKI QUICK SHIFTER (KQS)

Complementing the exhilarating engine on the Ninja 1100 SX ABS is the contactless-type KQS which enables clutchless upshifts and downshifts for seamless acceleration and easy deceleration. During acceleration, the system detects the shift lever actuation and signals the ECU to retard ignition for clutchless gear engagement. During deceleration, KQS automatically controls engine speed for clutchless downshifting. The updated KQS now functions at a lower RPM, enhancing its versatility.

KAWASAKI TRACTION CONTROL (KTRC)

KTRC offers three modes to cover a wide range of riding conditions, enhancing sport riding performance and providing confidence on low-traction surfaces. Riders can select from Mode 1, which prioritizes forward acceleration; Mode 2, which balances acceleration performance and rider reassurance; and Mode 3, which facilitates smooth riding on challenging surfaces. The system can also be turned off for those who prefer manual control.

In Mode 1, sophisticated programming allows a degree of slip to maximize acceleration, with the system monitoring parameters such as front and rear wheel speed and various engine, machine, and rider inputs. The software bases its dynamic analysis on the chassis' orientation relative to the road surface, adapting to corner camber and gradient without needing input from the IMU. This complex analysis helps predict and address unfavorable traction conditions, minimizing power drops and ensuring smooth operation by confirming conditions every 5 milliseconds and using ignition cut and airflow control via the Electronic Throttle Valves for quick reactions.

Modes 2 and 3 employ the same logic and control as Mode 1 during normal operation. However, when excessive rear wheel spin is detected, the system retards ignition timing and reduces engine output to regain grip, resulting in a natural feel and smooth engagement. Mode 3, being the most intrusive, assists riders in negotiating challenging patches like train tracks or manhole covers and

extended stretches of bad road such as wet pavement, cobblestone, or gravel. It also limits wheel spin when starting on low-traction surfaces, providing maximum reassurance and control.

ELECTRONIC CRUISE CONTROL

Kawasaki's electronic cruise control system on the Ninja 1100SX ABS allows riders to maintain a desired speed with the simple press of a button, eliminating the need to constantly apply the throttle. This feature reduces stress on the right hand during long-distance travel, promoting relaxed cruising and enhancing overall riding comfort. The system is conveniently operated from the left handle, where it can be engaged with a touch of a button, making it user-friendly and easily accessible.

Once the desired speed is set, the engine output is automatically adjusted via the Electronic Throttle Valves to maintain the speed, even when encountering ascending or descending grades. Riders can adjust the set speed using the "+" and "-" buttons for fine-tuning. The electronic cruise control disengages when the brake lever, clutch lever, or rear brake pedal are operated, or when gears are shifted. Additionally, closing the throttle beyond the "zero-throttle" position or large traction control interventions will automatically disengage the system.

KAWASAKI CORNERING MANAGEMENT FUNCTION (KCMF)

Kawasaki's Cornering Management Function (KCMF) leverages advanced programming and minimal hardware to provide the ECU with a precise real-time understanding of the chassis dynamics. This proprietary dynamic modeling program examines multiple parameters to adapt to changing road and tire conditions. Using the latest evolution of Kawasaki's advanced modeling software and feedback from a compact IMU (Inertial Measurement Unit), KCMF monitors engine and chassis parameters throughout a corner—from entry, through the apex, to exit—modulating brake force and engine power to ensure smooth transitions and help riders maintain their intended line.

On the Ninja 1100SX ABS, KCMF utilizes IMU feedback to oversee several systems, including KTRC (traction management and wheel-lift management) and KIBS (pitching management and corner braking management). This comprehensive monitoring and adjustment facilitate a seamless transition between acceleration and braking, enhancing the overall stability and performance of the motorcycle during cornering.

KAWASAKI INTELLIGENT ANTI-LOCK BRAKE SYSTEM (KIBS)

Kawasaki's Intelligent anti-lock Brake System (KIBS) is a supersport-grade brake management system that uses high-precision control to regulate brake pressure during sporty riding. This multi-sensing system takes input from numerous sources, including front and rear wheel speed sensors, front caliper hydraulic pressure, and various engine ECU parameters like throttle position, engine speed, clutch actuation, and gear position. As the first mass-production brake system to link the ABS ECU and engine ECU, KIBS ensures precise brake pressure modulation in smaller increments than standard ABS systems, maintaining lever feel and ensuring light ABS pulses.

KIBS offers several benefits for sport riding, such as limiting rear lift, minimizing kickback, and accounting for back-torque. By monitoring front caliper hydraulic pressure, KIBS regulates pressure increases to reduce rear lift, enhancing braking stability. The system's precise control minimizes kickback during operation, resulting in a smooth feel and minimal distraction for the rider. Additionally,

by recognizing engine back-torque during downshifts, KIBS prevents unnecessary ABS intervention, leaving rear brake control to the rider. With IMU feedback, KIBS also provides corner braking management, modulating brake force during trail braking or mid-corner braking to help riders maintain their intended line through turns.

CHASSIS

The chassis on the Ninja 1100SX ABS is a testament to cutting-edge engineering, designed to provide superior handling and rider comfort. At its core is a highly rigid aluminum twin-tube frame, which offers a high degree of mass centralization. This design allows for a balance between agility and firm handling, helping the bike to remain stable and responsive in various riding conditions. The frame beams run over the engine, allowing for a narrow construction that is easy to grip with the knees, enhancing rider control and comfort during spirited rides.

This lightweight yet robust frame employs the engine as a stressed member, further contributing to its handling prowess. The 5-piece cast aluminum construction includes a steering stem, left and right main frames, and two cross pieces. The main frame components have open C-shaped cross sections and are die-cast to ensure a smooth surface finish, which not only adds to the frame's aesthetic appeal but also enhances its structural integrity.

The frame uses four engine mounts, with all but the upper rear crankcase mount being rigid. The rubber upper rear mount helps absorb vibrations, ensuring a smoother ride, while the rigid mounts and engine's role as a stressed member improve the bike's handling capabilities. This combination allows for more direct transmission of engine feedback to the rider, providing a tactile connection that enhances the overall riding experience. The design of the frame thus ensures that the Ninja 1100SX ABS delivers both a firm, planted feeling and light, nimble turning, making it a versatile performer on the road.

SUSPENSION

The suspension system found on the Ninja 1100SX ABS is designed to provide exceptional responsiveness and comfort. Its suspension settings are finely tuned to quickly respond to rider inputs while effectively absorbing bumps on the road, ensuring a smooth and controlled ride. This balance of responsiveness and comfort makes the Ninja 1100SX ABS ideal for both spirited rides and long-distance touring.

At the front, the bike features a 41mm inverted fork with stepless compression and rebound damping, along with spring preload adjustability. This setup allows riders to fine-tune the suspension to their preference, optimizing the bike's handling characteristics for different riding conditions. Whether navigating twisty roads or cruising on highways, the front fork's adjustability ensures a tailored and comfortable ride.

The rear suspension of the Ninja 1100SX ABS employs a Horizontal Back-link system, positioning the shock unit and linkage above the swingarm. This design frees up space typically occupied by the lower linkage in conventional Uni-Trak® systems, allowing for a larger pre-chamber and a shorter muffler, contributing to mass centralization. The rear shock offers rebound and preload adjustability, with a remote preload adjuster that simplifies setting changes for riding two-up, hauling

luggage, or rider preference. These features enhance the bike's sport-touring potential, accommodating both aggressive and relaxed riding styles with ease.

BRAKES AND WHEELS

The brake system on the Ninja 1100SX ABS motorcycle provides outstanding stopping power and control. The large 300mm front discs are gripped by opposed 4-piston radial-mount monobloc calipers, featuring differentiated diameter pistons with a 32mm upper and 30mm lower configuration. These monobloc calipers provide a firm initial touch, allowing for easy modulation of brake force and delivering exceptional overall performance. The inclusion of a radial-pump front brake master cylinder further enhances the control and feel, making the braking experience both precise and responsive.

At the rear, the Ninja 1100SX ABS features a new, larger 260mm brake disc, up from the previous 250mm, which offers increased stopping power to match the bike's enhanced engine displacement. The single-piston caliper efficiently slows the rear disc, contributing to balanced braking performance. The switch to round brake discs from the previous petal design not only adds to the modern aesthetics of the bike but also maintains superb braking efficiency. The supersport-style high-precision brake management system, KIBS, provides added reassurance, by preventing wheel lockup during sudden stops.

The Ninja 1100SX ABS rides on lightweight, supersport-style 6-spoke wheels that add to its sporty image while minimizing unsprung weight for improved handling. These wheels are equipped with new Bridgestone Battlax Hypersport S23 tires, which offer enhanced grip in both dry and wet conditions, increasing rider confidence and enjoyment. Additionally, the new conventional rear axle adjusters facilitate maintenance tasks, ensuring that upkeep is straightforward and efficient. Together, these elements create a high-performance braking and wheel setup that complements the powerful engine and agile chassis on the Ninja 1100SX ABS.

ERGONOMICS

The Ninja 1100SX ABS has been designed with ergonomics in mind, offering a blend of control and comfort that suits a wide range of riding scenarios. Whether navigating the bustling streets of a city, embarking on a long-distance tour, or enjoying spirited sport riding, the bike's relaxed riding position ensures riders remain comfortable and in control. This versatility makes the Ninja 1100SX ABS an excellent choice for riders seeking a bike that can adapt to various riding conditions.

The riding position of the Ninja 1100SX ABS is relatively upright compared to supersport models, offering both comfort and control. The handlebars are separate and raised, contributing to the sporty yet comfortable stance. Mounted to the fork tube tops that extend above the upper triple clamp, the handlebars provide an ideal balance between responsiveness and ease of use. Additionally, new weights added to the insides of the handlebars, complemented by heavier bar ends, effectively reduce vibration, resulting in a smoother, more comfortable ride.

Rider comfort is further enhanced by thoughtful details throughout the bike's design. Vents inside the fairings are strategically placed to direct hot engine air away from the rider, minimizing discomfort during long rides. The seat, positioned at a height of 32.3 inches for easy ground reach, features dense urethane cushioning that is both springy and quick to rebound. The seat cover material

is highly elastic, ensuring excellent comfort and durability even in cold temperatures, reducing the risk of tearing or ripping when exposed to harsh conditions.

Passenger comfort is also a priority on the Ninja 1100SX ABS. Ergonomically sculpted passenger grips are naturally positioned for ease of use, making it comfortable for passengers to hold on during rides. The front footpegs are rubber-mounted to minimize vibrations transmitted to the rider, while vibration-absorbing weights on the back of the foot guards further reduce fluttering. Both the front and rear footpegs are equipped with rubber pads, enhancing comfort and ensuring that riders and passengers alike enjoy a smooth, vibration-free experience.

The Ninja 1100SX ABS features a stylish windshield with four adjustable positions, ranging from sporty to maximum wind protection, catering to rider preferences and enhancing comfort. This adjustment can be easily made by hand, requiring no tools, by simply pressing the release button located below the instrument panel. For safety, windshield adjustments should only be done when the bike is stopped.

TFT COLOR INSTRUMENTATION

The Ninja 1100SX ABS features a compact 4.3" all-digital TFT color instrumentation that enhances the cockpit's high-tech, high-grade appearance. This high-grade full-color display uses TFT (thin-film transistor) technology to provide exceptional visibility. The screen's background color is selectable between black or white, and the brightness adjusts automatically to match the available light. The display includes a wide range of functions such as a digital speedometer, digital bar-style tachometer, gear position indicator, shift lamp, fuel gauge, odometer, dual trip meters, current and average fuel consumption, remaining range, average speed, total time, coolant temperature, clock, battery voltage, Kawasaki service reminder, oil change reminder, and an Economical Riding Indicator.

In addition to scrollable multi-function windows, the instrumentation offers two display modes that cater to different riding styles. Type 1, designed with touring in mind, provides an easy-to-read, calm layout that offers a substantial amount of information at a glance. Type 2, designed for sport riding, prioritizes important information and presents it graphically for easy digestion. This mode visually illustrates G-force, lean angle (based on feedback from the IMU), and throttle or brake force application, allowing riders to access crucial data quickly and efficiently.

SMARTPHONE CONNECTIVITY

Smartphone connectivity through integrated Bluetooth® technology in the instrument panel, allows riders to connect to their motorcycle wirelessly. Utilizing the RIDEOLOGY THE APP MOTORCYCLE*, riders can access numerous instrument functions, significantly enhancing the motorcycling experience. This connectivity provides real-time data and control options directly from the rider's smartphone, making the riding experience more integrated and convenient.

A newly updated version of RIDEOLOGY THE APP MOTORCYCLE includes a voice command feature, enabling riders to control the app hands-free, thereby maintaining full control of the motorcycle. This innovation ensures that riders can access necessary information and conveniently make adjustments without taking their hands off the handlebars or their feet off the pegs.

The app offers a variety of functions that cater to different aspects of riding. Vehicle Info allows riders to view essential information such as the fuel gauge, odometer, and maintenance schedule on their smartphone. The Riding Log function logs GPS route information and vehicle running data, which can be reviewed later. Telephone notices ensure that riders are aware of incoming calls or messages by displaying notifications on the instrument panel. The Tuning options, both General Settings and Kawasaki Riding Management, allow for personalized settings and riding mode adjustments via the smartphone, which can be uploaded to the bike when in proximity. Additionally, the Navigation feature enables route planning, waypoint management, and real-time navigation, providing a comprehensive tool for any journey.

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STYLING

The Ninja 1100SX ABS boasts a distinctive, supersport-style full-fairing bodywork that is sure to turn heads. This sleek design not only enhances the bike's aesthetic appeal but also provides significant wind protection, making it suitable for touring rides. The integration of chin spoilers, reminiscent of those on the Ninja H2® and Ninja® ZX™-10R sportbikes, strengthens the Ninja family's iconic look, creating a cohesive design language that is both aggressive and elegant.

A sharp, compact design of the LED headlamps contributes to the fierce expression on the Ninja 1100SX ABS, making it instantly recognizable on the road. The LED taillight, featuring red LED bulbs and a smoked lens, adds a touch of class to the tail cowl, enhancing the bike's appearance. This all-LED lighting package is completed by the built-in front turn signals, compact rear turn signals, and license plate lamp for a modern look.

The five-gallon fuel tank offers substantial range and features a dynamic design with a tall upper surface and supersport-style flared edges, which has a trim shape at the rear that makes it easy to grip with the knees.

Further contributing to the sporty appearance of the Ninja 1100SX ABS is the single-sided muffler, which not only adds to the bike's sleek profile but also accentuates its performance-oriented character. The combination of these styling features creates a motorcycle that embodies both power and elegance, appealing to riders who appreciate a bold and refined design.

Also new for 2025 is a USB type-C outlet that is mounted to the handlebars for easy access, adding convenience in a variety of riding conditions.

NINJA® 1100SX SE ABS ADDITIONAL FEATURES

The Special Edition Ninja 1100SX SE ABS motorcycle offers several exclusive features that set it apart from the standard model, enhancing both its performance and aesthetics. One of the standout features is the upgraded braking system, which includes Brembo M4.32 front brake calipers, a Brembo master cylinder, and Brembo brake discs. These components provide stronger braking performance and improved control, while the steel-braided lines further enhance the brake package, ensuring precise and reliable stopping power.

In terms of suspension, the Ninja 1100SX SE ABS is equipped with an Öhlins S46 rear shock, featuring an aluminum body with single-tube construction. This advanced shock includes a large 46mm piston and internal oil and gas chambers separated by a floating piston, delivering an exceptional sense of grip and handling. The Öhlins rear shock not only contributes to a more supple ride feel but also features a remote preload adjuster, making it easy to adjust the settings without tools. This adjustability is particularly useful for accommodating tandem riding or additional luggage, providing flexibility for various riding scenarios.

The visual appeal on the Ninja 1100SX SE ABS is enhanced by gold-colored front and rear wheels, as well as a gold-alumite finish on the front fork outer tubes, giving the bike a distinctive and standout look. Additionally, the SE model includes grip heaters, which keep the rider's hands warm in cooler weather, adding an extra layer of comfort for both city rides and long-distance tours. These heaters fully enclose the grips, ensuring excellent warmth and making the Ninja 1100SX SE a versatile and comfortable choice for riders in varying climates.

KAWASAKI GENUINE ACCESSORIES

A variety of Kawasaki Genuine Accessories (KGA) can be found available for the Ninja 1100SX ABS and Ninja 1100SX SE ABS, allowing riders to customize their motorcycle to meet their needs. The list of accessories includes a large top case, panniers, grip heaters, large windshield, smoked windshield, large smoked windshield, pillion seat cover, tank bag, rear soft bag, GPS bracket, tank pad, knee pads, frame sliders, engine cover rings, front axle sliders, wheel rim tape, oil filler cap, and scratch resistant film for the TFT meter.

KAWASAKI NINJA® 1100SX ABS

Color: Metallic Carbon Gray / Metallic Diablo Black

MSRP: \$13,699

Availability: Winter 2025

KAWASAKI NINJA® 1100SX SE ABS

Color: Emerald Blazed Green / Metallic Diablo Black

MSRP: \$15,399

Availability: Winter 2025

To download high-resolution images, log on or register for the Kawasaki media site at <http://kawasakimedia.com>.

ABOUT KAWASAKI

Kawasaki started full-scale production of motorcycles over a half century ago. The first Kawasaki motorcycle engine was designed based on technical know-how garnered from the development and production of aircraft engines, and Kawasaki's entry into the motorcycle industry was driven by the company's constant effort to develop new technologies. Numerous new Kawasaki models introduced over the years have helped shape the market, and in the process have created enduring legends based on their unique engineering, power, design and riding pleasure. In the future, Kawasaki Motors, Ltd. is committed to maintaining and furthering these strengths which will surely give birth to new legends.

Kawasaki Motors Corp., U.S.A. markets and distributes Kawasaki motorcycles, ATVs, side x sides, and JET SKI® watercraft through a network of approximately 1,100 independent retailers, with close to an additional 7,700 retailers specializing in general purpose engines. Kawasaki and its affiliates employ

nearly 3,100 people in the United States, with approximately 260 of them located at Kawasaki's Foothill Ranch, California headquarters.

Kawasaki's tagline, "Let the Good Times Roll.®", is recognized worldwide. The Kawasaki brand is synonymous with powerful, stylish and category-leading vehicles. Information about Kawasaki's complete line of powersports products and Kawasaki affiliates can be found on the Internet at www.kawasaki.com.