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Hayabusa



Way of Life!

Keep your beat.

More than a decade ago, Suzuki developed a machine so unique that it instantly attracted a devoted following around the world. Like its namesake, the Japanese peregrine falcon, Hayabusa is famed for cutting through the air with incredible agility and performance. It combines massive thrust, unmatched maneuverability, and a silky smooth ride on city streets or the open road. Beneath its windswept design beats the legendary Suzuki Hayabusa engine. The resonating feel of pure power evokes an attitude of bold authority from both machine and rider.

Through countless engineering refinements of the original design, the Hayabusa spirit has endured. Its incomparable performance delivers a fun and sporty ride at any speed, setting the bar high for rivals and defining the "Ultimate Sport Bike." The radically original yet timeless styling also reflects the spirit of the person who owns a Hayabusa.

1999



Birth of a legend
Hayabusa shocks
the motorcycle world

2003



Technical refinement
Upgraded ECU, refined FI setting
and front forks, and more

2008



A legend reborn
First full model change

2013

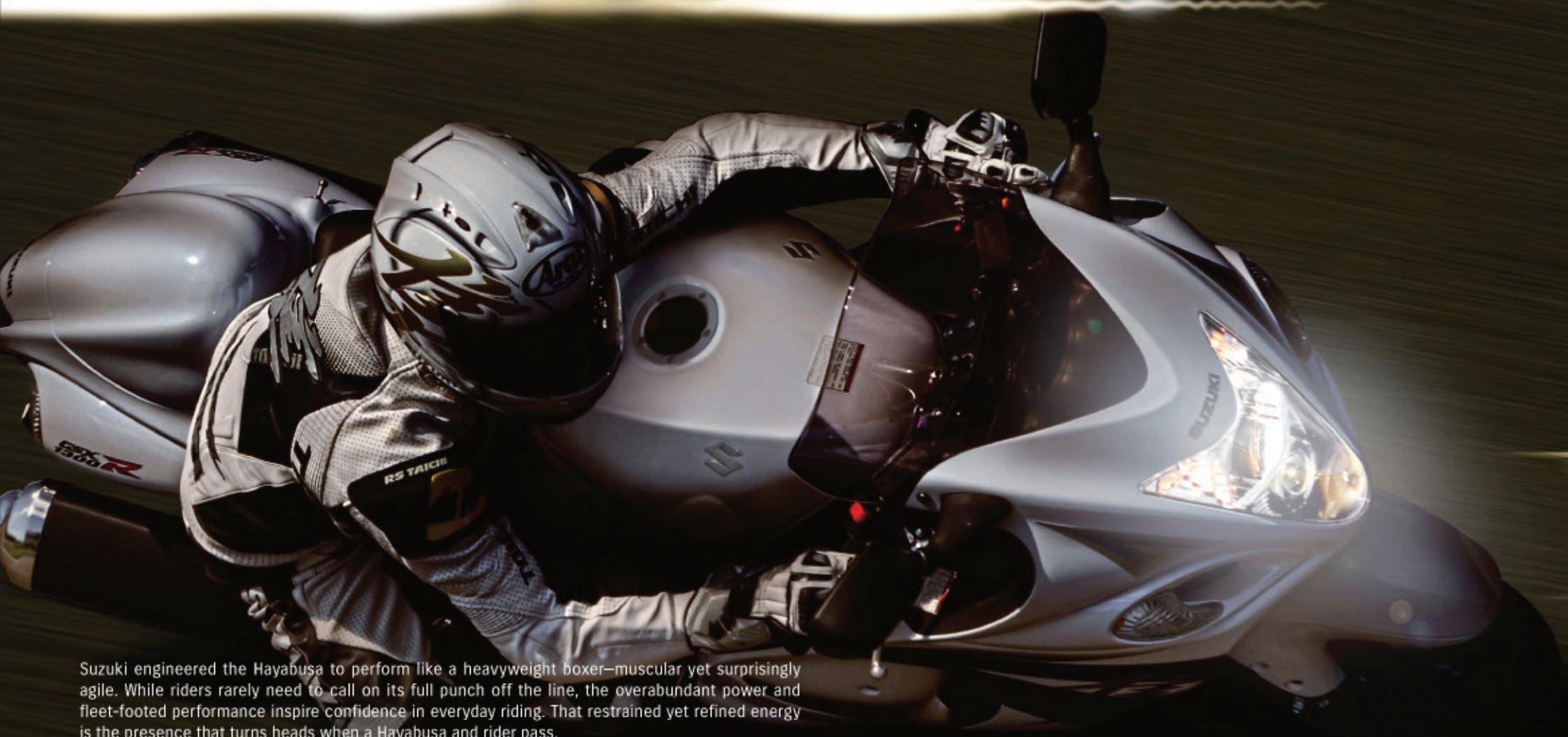


Technical refinement
Upgraded front brake
and addition of ABS

Keep own beat.



ULTIMATE SPORT BIKE



Suzuki engineered the Hayabusa to perform like a heavyweight boxer—muscular yet surprisingly agile. While riders rarely need to call on its full punch off the line, the overabundant power and fleet-footed performance inspire confidence in everyday riding. That restrained yet refined energy is the presence that turns heads when a Hayabusa and rider pass.

Hayabusa is equally at home on the highway or city streets. The low center of gravity that lets it conquer winding roads also makes Hayabusa a nimble urban predator.

Plus, the Hayabusa's high-quality finish and attention to detail betray unequalled pride of craftsmanship that will become your pride of ownership. The bold design also gives it a unique aura and formidable presence not found in other bikes.

The 2013 model comes newly equipped with Brembo Monobloc high-performance calipers and an Antilock Brake System. These features are sure to appeal to lone riders cruising the highway as well as touring couples.

Slice through the wind

The Hayabusa design perfectly merges motorcycle and rider. Carefully sculpted bodywork tames the wind to maximize the more-than-ample power of the Hayabusa engine. Extensive wind tunnel testing with a rider onboard helped to find the ultimate shape for high-speed riding. The radical aerodynamic styling and smoother bodywork not only gives the Hayabusa its unique look but also protects the rider from the wind and improves fuel efficiency.

Legendary inline-four power plant

The Hayabusa's muscular four-cylinder engine delivers a broader wave of torque for effortless acceleration. Its advanced design boasts liquid-cooling, ram-air downdraft induction with Suzuki Dual Throttle Valve (SDTV) throttle bodies, fuel injection employing twin injectors controlled by a 32-bit ECU, and hollow double overhead cams operating four valves per cylinder.

Selectable engine mapping - Suzuki Drive Mode Selector

The Hayabusa features the unique Suzuki Drive Mode Selector (S-DMS) system, which allows the rider to select one of three engine control maps. The system allows the rider to select a different map to suit personal preferences in various riding conditions, such as choosing one map for highway cruising and another map for tighter roads.

Forged pistons and PVD-coated rings

Forged three-ring aluminum-alloy slipper pistons provide superior strength. The oil control ring on each piston is electro-plated with a chrome-nitride coating applied in a vacuum chamber using a Physical Vapor Deposition (PVD) system. The chrome nitride PVD coating is harder and smoother than conventional chrome plating, reducing friction while improving cylinder sealing. The upper piston ring also features an L-shaped cross section, with combustion pressure pushing the ring tighter against the cylinder wall to further reduce blowby and increase the force actually pushing the piston down.

Suzuki Dual Throttle Valve

The Hayabusa engine is fitted with tapered, 44mm double-barrel Suzuki Dual Throttle Valve (SDTV) throttle bodies. Unlike conventional fuel-injection systems, the SDTV system has two butterfly valves in each throttle body barrel. The rider controls the primary valve via a throttle grip, and the engine management system automatically controls the secondary valve, opening it incrementally to maintain optimum intake charge velocity based on engine rpm, gear position and primary valve opening. This precise, carefully controlled system improves combustion efficiency and makes throttle response feel more natural to the rider.

TURN HEADS WHEREVER YOU GO



Mean city streets by night or winding country roads under temperate skies, the Hayabusa draws attention wherever you go. Even at rest, the rebellious styling and powerful look can stop people in the street and attract envious stares.

Vertically stacked headlight



LED taillight



Passenger seat and grab bar



Suzuki designers carefully considered every aspect of the bold Hayabusa look—from standout features like lights to the many mechanical details subtly hidden from view.

Hayabusa owners often remark that nothing compares to the awe inspired by a Hayabusa. When parked, the bike invites visitors and when riding through the city it invites envious onlookers. And whenever Hayabusa riders encounter each other they often discover instant camaraderie.

A FORCE UNDER YOUR CONTROL



Hayabusa derives its legendary ride not just from a perspective of power, handling and aerodynamics. Every aspect of the design—from a top-tier chassis to braking system—all combine to deliver unparalleled performance.

Riders have sometimes described the Hayabusa as a well-trained wild animal. And like a thoroughbred, the bike responds to even the most nuanced input from the rider. The movement of the suspension is not stiff; instead the bike quietly absorbs shock like a luxury sedan. Likewise, the advanced braking system confidently reduces the speed of the Hayabusa's large chassis. The braking system of the 2013 model offers even more refinements to deliver greater confidence for the rider.

Brembo Monobloc front brake calipers



Lighter and more rigid than conventional bolt-together calipers, the Hayabusa's top-of-the-line radial-mount Brembo Monobloc front brake calipers deliver better feedback to the rider. The piston diameters were enlarged from 32-30mm to 32-32mm. Larger pistons help apply greater force to the brake disc, which results in increased initial bite and a more controlled feeling.

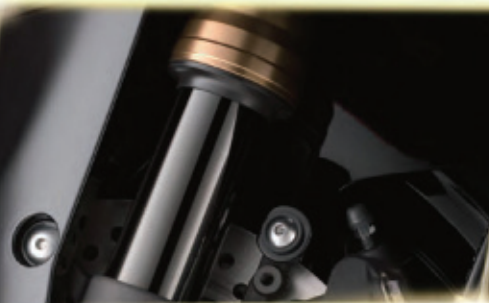
Lightweight, high-performance ABS



A new, standard equipment Antilock Brake System (ABS) unit features a lightweight, compact design. The ABS enhances brake performance by helping prevent, to a certain extent, wheel locking due to changes in road conditions or excessive braking, by matching stopping power to available traction.

Note: The ABS is a supplemental device for brake operation, not a device for shortening stopping distance. Always remember to reduce speed sufficiently before approaching curves.

Inverted cartridge front forks



KYB inverted cartridge forks feature a Diamond-Like Carbon (DLC) coating surface treatment on the 43mm stanchion tubes to reduce friction and increase reaction to small surface irregularities. The forks provide front wheel travel of 120mm. Spring preload, compression damping and rebound damping are fully adjustable.

Bridgestone tires and rear brake



Hayabusa is equipped with the Bridgestone BT-015, which is specially developed for the motorcycle. The tire's profile and compound were developed through a variety of testing to achieve a high level of stability and handling. A single-piston, pin-slide TOKICO rear brake caliper works with newly equipped ABS. The rear disc is 260mm in diameter and 5.5mm thick.

Convenient features



Note: The prop stay shown is an optional part.

A variety of convenient features complement the Hayabusa's unmatched performance. The fuel tank lifts for maintenance simply by removing the seat and two bolts. A storage compartment under the rear seat provides space to hold tools and owners manuals. Two hooks under the rear seat secure helmets, while four luggage hooks help to secure items to the seat. The 5-way adjustable brake lever and 4-way adjustable clutch lever both allow fine-tuning to the rider's taste.

THE BEAT GOES ON

At the turn of the 20th century Suzuki surprised the world by introducing the Hayabusa. Over the last decade, the motorcycle has evolved while staying true to its concept—the pinnacle of high-performance motorcycles. Its sensational power, speed, smooth ride and overwhelming presence continue to fascinate owners and onlookers alike. The addition of a new ABS and Brembo Monobloc front brake calipers takes the Hayabusa and rider to new heights. We invite you to become an owner of the Hayabusa key, and feel the beat of Hayabusa as you fly through the streets. Join us and become a proud owner. May your heart beat in unison to the Hayabusa. Because the Hayabusa is, and always will be, the ultimate sport bike.



Photos from owners' meeting event



Ignition key with Hayabusa logo



Hiroshi Iio

Chief Engineer

Since the birth of the first Hayabusa in 1999 until 2003 I was involved in engine design. Then I was honored to become chief engineer for the overall project. First let me say that you cannot talk about this motorcycle without mentioning its aerodynamics.

Even when we were refining the design for the second generation, the team placed top priority on improving its already legendary aerodynamic efficiency. The Hayabusa really stands above and apart from other ultimate sport bikes, and its consummate form follows the function of the bike's aerodynamic characteristics. Plus, its optimal balance and motion control translate into the ease of handling that you experience when actually riding the bike. With the addition of a new ABS and Brembo Monobloc calipers, the brakes will increase your confidence in control of the bike. Thanks to the strong support of owners from around the world, this bike has even more room to run, and we intend to evolve its performance to ensure it is loved by riders in the future.



Yuichi Nakashima

Test Rider

I have been the test rider of the Hayabusa since the very first model. I can say the Hayabusa's engine feels so overwhelmingly powerful and finely tuned that there is nothing like it. After riding the Hayabusa, you won't want to ride another motorcycle. Just

experience once the Hayabusa's powerful acceleration from low to high speeds and its nimble handling and you too will be hooked. I encourage you to give it a try. I also ride the Hayabusa outside of work. I enjoy the strong camaraderie among owners, and when encountering a fellow Hayabusa rider we typically greet one another. I hope you become an owner and can enjoy taking part in this great biking life.

Color Variation



Glass Sparkle Black / Metallic Oort Gray (AJM)



Pearl Glacier White / Metallic Oort Gray (AJN)



Marble Daytona Yellow / Glass Sparkle Black (KGK)

Specifications (Tentative)

Engine Type		4-stroke, 4-cylinder, liquid-cooled, DOHC
Engine Displacement		1340 cm ³ (81.8 cu. in)
Bore x Stroke		81.0 mm x 65.0 mm (3.2 in x 2.6 in)
Compression Ratio		12.5 : 1
Transmission		6-speed constant mesh
Overall Length		2190 mm (86.2 in)
Overall Width		735 mm (28.9 in)
Overall Height		1165 mm (45.9 in)
Wheelbase		1480 mm (58.3 in)
Ground Clearance		120 mm (4.7 in)
Seat Height		805 mm (31.7 in)
Curb Mass		N/A
Suspension	Front	Inverted telescopic, coil spring, oil damped
	Rear	Link type, coil spring, oil damped
Brakes	Front	Disc, twin
	Rear	Disc
Tires	Front	120/70ZR17M/C (58W), tubeless
	Rear	190/50ZR17M/C (73W), tubeless
Ignition Type		Electronic ignition (Transistorized)
Fuel Tank		21.0 L (5.5 US gal)

Specifications, appearance, colors (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 regions. 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.
- Enjoy riding safely.
- Read your Owner's Manual carefully.
- Never ride under the influence of alcohol or other drugs.

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