

# GSX-R1000





# An Open-Class Interpretation of the GSX-R Philosophy

Built to rewrite the rules of big-bore supersports motorcycling and created with the express mission of owning the racetrack, the GSX-R1000 is a precise open-class interpretation of Suzuki's race-bred GSX-R design philosophy. Incorporating the exquisitely compact and lightweight frame and suspension setup that closely reflects the lessons learned on the track with the RGV-Γ, the GSX-R1000 offers groundbreaking standards of nimbleness and agility, as well as the prodigious torque, stunning power output and even a smooth cruising ability that only an open-class machine can provide. The GSX-R1000. Suzuki's invitation to enthusiasts seeking the state-of-the-art in racer replicas to re-learn the big-bore rulebook.

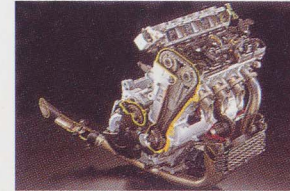
## GSX-R1000



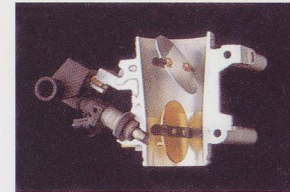
M4L : Pearl Helios Red / Metallic Saturn Black

- The 988 cm<sup>3</sup> 4-cylinder, 16-valve, liquid-cooled engine is built for outstanding performance while featuring a compact and lightweight design.
- Size- and weight-reducing designs include dished-dome forged pistons running in Suzuki Composite Electrochemical Material (SCEM)-plated cylinders, shot-peened conrods, plain metal insert bearings for the balancer shaft, and a host of magnesium components.
- The digitally controlled, 3D-mapped Suzuki Dual Throttle Valve (SDTV) fuel injection system has computer-operated secondary butterfly valves – controlled by a stepping motor directly mounted on the throttle bodies for extra precision – to maintain seamless power delivery.
- The digitally controlled Suzuki Exhaust Tuning (SET) system uses a computer-controlled butterfly valve to optimize exhaust back pressure for more low-end torque and better mid-to-high rpm power.
- Powerful 16-bit engine management ECU with 96-byte memory.
- Suzuki Ram Air Direct (SRAD) intake and pressurized airbox system maximizes airflow and enhances high-rpm power.
- The gleaming 4-into-2-into-1 exhaust system has lightweight titanium head pipes, collector, and core pipes and their mounting plates.
- Suzuki PAIR (Pulsed-secondary AIR-injection) system reduces emissions by introducing fresh air into the exhaust ports to ignite unburned hydrocarbons.
- The lightweight, compact and rigid twin-spar aluminum-alloy frame with thick 2.5 mm outside walls and the long, lightweight swingarm compose a chassis geometry that delivers the maximum effect

- in turning ability, rear-wheel traction and straightline tracking.
- The inverted fork, with its stanchion tubes titanium-nitride-coated for smoother action, and the rear shock with automatic temperature-compensating damping system, are both fully adjustable.
- Front disc brakes with lightweight and rigid differential-bore 6-piston calipers; rear disc brake with a small and lightweight dual-opposed piston caliper.
- 17-inch wheels carry high-performance 120/70 front and 190/50 rear radial tires.
- The fairing and bodywork (including the standard-equipment solo seat cover), fitting tightly around the compact chassis and engine, keep the frontal area small while maximizing rider wind protection and the effectiveness of the ram-air system.
- Functional electrical equipment includes a powerful, compact and lightweight rare-earth-magnet starter motor, a step-motor-driven analogue tachometer, dual trip meters and digital LCD speedometer.
- User-friendly features include convenient removable bolt-on luggage hooks.



988cm<sup>3</sup> 16-valve engine



SDTV fuel injection system



Suzuki Exhaust Tuning (SET) system



FH9 : Candy Gland Blue / Pearl Novelty Black

### GSX-R1000 SPECIFICATIONS

Engine type	4-stroke, 4-cylinder, liquid-cooled, DOHC
Piston displacement	988 cm <sup>3</sup>
Bore × stroke	73.0 mm × 59.0 mm
Compression ratio	12.0:1
Fuel system	Fuel injection
Starter system	Electric
Transmission	6-speed constant mesh
Drive system	Chain, 110 links
Overall length	2,045 mm (80.5 in.)
Overall width	715 mm (28.1 in.)
Overall height	1,135 mm (44.7 in.)
Wheelbase	1,410 mm (55.5 in.)
Ground clearance	130 mm ( 5.1 in.)
Seat height	830 mm (32.7 in.)
Dry mass	170 kg (374 lbs.)
Suspension	front
	rear
Brakes	front
	rear
Tires	front
	rear
Ignition type	
Fuel tank	
Body colors	

Inverted telescopic, coil spring, spring preload fully adjustable, rebound and compression damping force fully adjustable

Link type, oil damped, coil spring, spring preload fully adjustable, rebound damping force and compression damping force fully adjustable

Disc, twin

Disc

120/70 ZR17 (58W)

190/50 ZR17 (73W)

Electronic ignition

18.0 L (4.8 US gal.)

L99 : Pearl Still White / Pearl Suzuki Deep Blue

M4L : Pearl Helios Red / Metallic Saturn Black

FH9 : Candy Grand Blue / Pearl Novelty Black

Specifications shown have been achieved by production models under standard operating conditions. Data is intended to describe the motorcycle fairly but may not apply to every machine. Suzuki reserves the right to change specifications, equipment, materials, colour or any other item without notice. Actual colours may differ from the colours printed in this brochure. Please confirm the full specification of a particular machine with your dealer prior to purchase. All details correct at time of going to print.

- Always wear approved helmet, eye protection and protective clothing
- Read and understand the owner's manual before riding the machine
- Never ride under the influence of alcohol or other drugs

For more information, contact your local Authorised Suzuki Dealer or telephone the 24 hour hotline: 01892 707001 [www.suzuki.co.uk](http://www.suzuki.co.uk) Suzuki Information Department, P.O. Box 56, Tunbridge Wells, Kent TN11 2XY

Date of Preparation - March 2002

Part No: MB02GSXR1000-LEAF

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