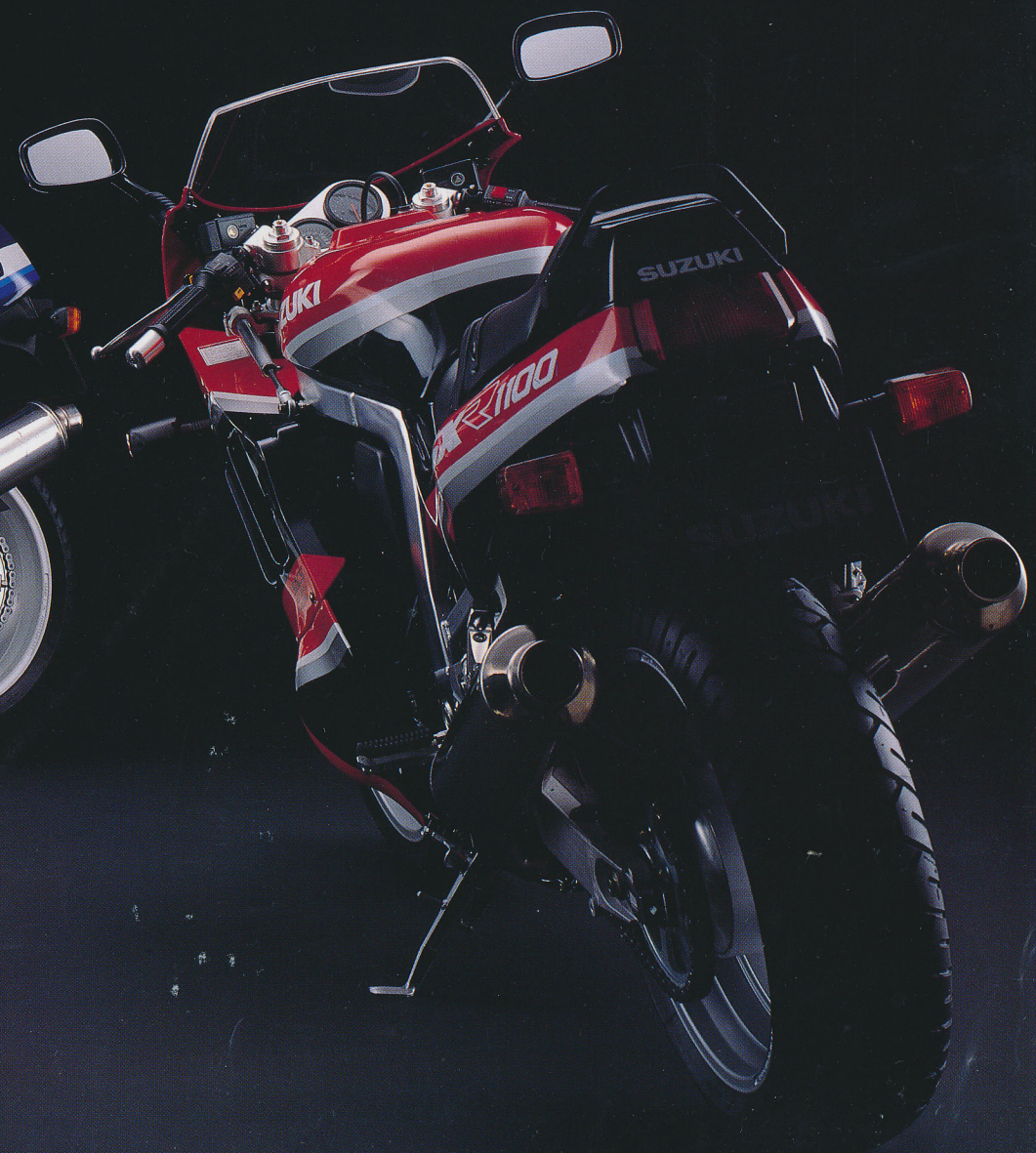


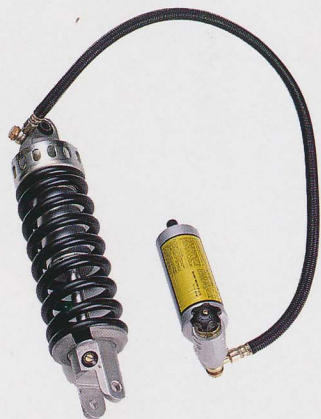
SUZUKI

GSX-R1100



THE EPITOME OF SUZUKI'S CHALLENGE TO THE R

The GSX-R1100, Suzuki's top-of-the-line sports bike, fully releases the Suzuki racing spirit with a 1.1-liter, 16-valve DOHC engine with SACS that delivers exhilarating torque and dynamic responsiveness. The '90 model incorporates chassis refinements made in the innovative spirit for riders heading out for the roads of the new decade. The inverted front forks provide even higher rigidity, while the rear cushion unit features still more versatility. The wheelbase, lengthened by 35 mm, and use of wider Michelin radials front and rear result in high straight-line stability. The race-proven features of the GSX-R1100 — including a lightweight, high-rigidity aluminum frame, floating front brake discs and staggered-diameter 4-piston calipers, 17-inch cast aluminum alloy 3-spoke wheels and race-bred aerodynamic fairing — keep the '90 GSX-R1100 at the very top of the sports bike scene.



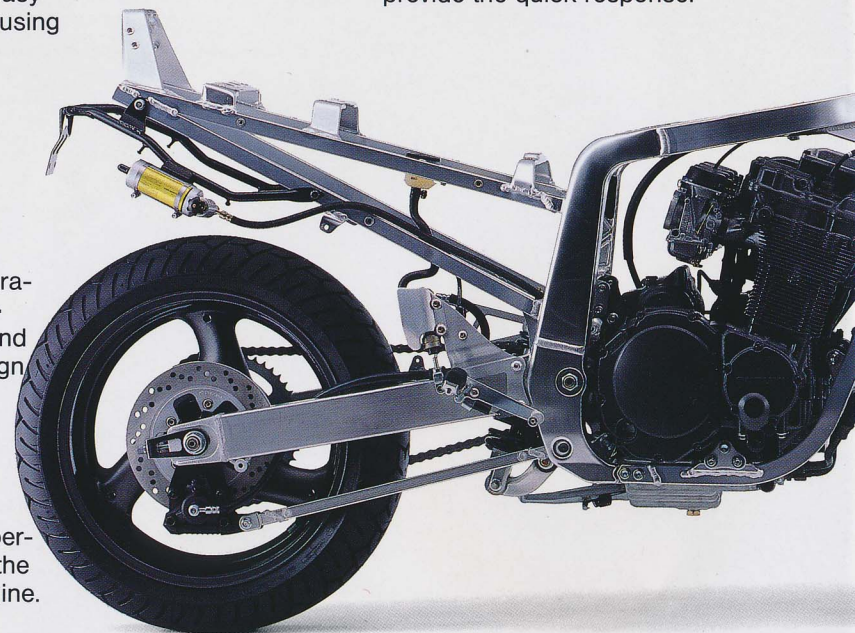
The **REAR CUSHION UNIT** is fitted with a remote reservoir and a total of 19 rebound and 19 compression damping adjustment settings, allowing finer adjustments to suit the rider's preference. The cam-type spring preload adjustment offers easy adjustment with 7 settings, using tools carried on the bike.



MIKUNI BST36SS SLINGSHOT CARBURETORS provide the quick response.



Compact, strong racing **ALUMINUM-ALLOY FRAME** and **SWINGARM** design is based on the race proven, revolutionary chassis of the Formula-1 racer. The design has performed well with the GSX-R1100's engine.



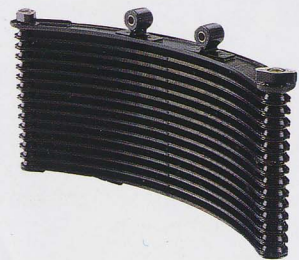
Radial tires provide higher rigidity and optimum distribution of tire pressure to road surface, and their low-profile configuration creates a larger road contact surface. That is why the '90 GSX-R1100 is equipped with front **130/60 ZR17** and rear **180/55 ZR17** size low profile **MICHELIN RADIAL TIRES**, with rear rim size increased from 4.5 to 5.5 inches. The combination of Michelin radial tires and **17-INCH CAST-ALUMINUM ALLOY WHEELS** maintains better high-speed straight-line performance and provides higher road-gripping performance for both cornering and braking.

RACING WORLD

The '90 GSX-R1100 features **first-in-its-class INVERTED FRONT FORKS**, incorporating suspension technology developed and proven in Grand Prix and Endurance race events with Suzuki RGV-gamma and GSX-R750R factory racers. The inverted front forks have larger-diameter upper tubes clamped to the frame and the stanchion tubes below to hold the front-wheel axle. This configuration greatly increases the front forks' torsional rigidity, providing still better handling of the bike's high engine output and wider low-profile tires. The forks also offer spring preload adjustment across a 15 mm range along with damping adjustments with 8 rebound and 10 compression damping settings.



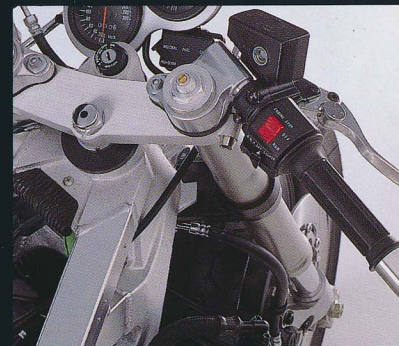
The GSX-R1100 **ENGINE's** reputation for reliably delivering serious performance over the long haul is well-earned with wins at the tracks across the world. The 4-cylinder, 16-valve, DOHC, Twin Swirl Combustion Chamber (TSCC) is air-cooled with famous Suzuki Advanced Cooling System (SACS) and makes overwhelming power.



RADIAL FLOW OIL COOLER is slightly curved, keeping the wide surface area and a large cooling capacity, while retaining the cooler as narrow as possible.



Endurance race proven **FLOATING FRONT BRAKE DISCS** and **FOUR-PISTON CALIPERS** deliver reliable braking power.



The upper tubes are larger in diameter, there's more surface area gripped by the clamps, making the assembly more rigid.



Cool Air Induction System brings cool, dense air into the 36mm slingshot carburetors for high torque output.

- Steering damper
- Stainless steel 4-into-2 exhaust system contributes high torque output while still meeting worldwide sound standards.
- Hydraulic clutch with diaphragm spring for positive clutch action.
- Computerized ignition provides ideal ignition timing.
- Aerodynamic fairing and bodywork by extensive wind-tunnel testing and practical racing experience.
- Race-ready fuel tank has a 21-liter capacity.
- Complete instrumentation including a reserve fuel indicator.
- Convenient luggage hooks are provided.



G S X - R 1 1 0 0 S P E C I F I C A T I O N S

DIMENSIONS AND DRY MASS		CHASSIS		TRANSMISSION	
Overall length	2,080 mm (81.9 in)	Front suspension	Inverted telescopic, coil spring, spring preload fully adjustable, damping force compression 10-way, rebound 8-way adjustable.	Clutch	Wet multi-plate type
Overall width	755 mm (29.7 in)	Rear suspension	Full-Floater, coil spring, gas/oil damped, spring preload 7-way adjustable, damping force compression 19-way, rebound 19-way adjustable	Transmission	5-speed
Overall height	1,150 mm (45.3 in)			Gearshift pattern	1-down, 4-up
Wheelbase	1,465 mm (57.7 in)	Front suspension stroke	120 mm (4.7 in)	Primary reduction ratio	1.565 (72/46)
Ground clearance	110 mm (4.3 in)	Rear wheel travel	158 mm (6.2 in)	Gear ratios, Low	2.384 (31/13)
Seat height	810 mm (31.9 in)	Caster	65° 10'	2nd	1.631 (31/19)
Dry mass	219 kg (483 lbs)	Trail	99 mm (3.9 in)	3rd	1.250 (25/20)
ENGINE		Steering angle	30°	4th	1.045 (23/22)
Type	Four-stroke, DOHC, air-cooled with SACS, TSSC	Turning radius	3.2 m (10.5 ft)	Top	0.913 (21/23)
Number of cylinders	4	Front brake	Hydraulic disc, dual	Final reduction ratio	3.200 (48/15)
Bore x stroke	78.0 x 59.0 mm	Rear brake	Hydraulic disc	Drive chain	TAKASAGO RK532GSV, 118 links
Piston displacement	1,127 cc	Front tire size	130/60 ZR17	ELECTRICAL	
Compression ratio	10.0 : 1	Rear tire size	180/55 ZR17	Ignition type	Transistorized
Maximum power	143 ps/9,500 rpm			Spark plug	NGK JR9B
Maximum torque	11.9 kg-m/7,250 rpm			Battery	12V (14AH) 10HR
Carburetor	MIKUNI BST36SS, four			Headlight	12V 60/55W, dual
Starter system	Electric			CAPACITIES	
Lubrication system	Wet sump			Fuel tank	21 L (5.5 gal)
				Engine oil, with filter change	4,200 cc (4.4 qt)
				Front fork oil (each leg)	398 cc (0.42 qt)

GSX-R1100



WHITE/BLUE



RED/BLACK



BLACK/GRAY

*SUZUKI MOTOR CO., LTD. reserves the right to change, without notice, equipment, specifications, colors, materials and other items to apply to local conditions. Each model might be discontinued without notice. Please inquire at your local dealer for details of any such changes. Actual body colors might differ slightly from the colors in this brochure.

● Always wear a helmet, eye protection, and protective clothing ● Read your owners manual carefully ● Enjoy riding safely



PRINTED IN JAPAN
GSX-R1100 CATALOG 99999-A1100-RL1
THE DATE ISSUE OCT. '89 ©