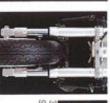


Direct Access Racing Technology **Jominant Force:**

and Suzuki's unique progressive link rear suspension—all cradled within an aluminum-alloy frame and swingarm whose The new Suzuki GSX-R750 brings to 750cc class production motorcycles an all-around superiority won in successful performance features like engine improvements straight out of the factory team's race shop, rigid inverted front forks efficiency has been proved with modified racing engines. The new GSX-R750 is another Suzuki success in efficient factory racing actions and proven in a wide range of production endurance racing events. Powerful, circuit-bred application of racing technology—technology that's made the GSX-R750 the dominant force in 750cc Stock Production-based racing-to street bikes. It's direct-access racing technology in action.





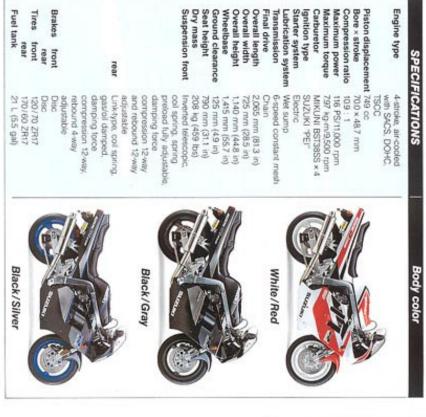


Professional rider pictured

Slingshot carburetors



- The latest GSX-R750 749cc powerhouse features cylinder head designs straight from the factory racers:
- Valve seats are smoothly blended with reshaped intake ports for better cylinder charging and higher torque.
- Use of lightweight, single rocker arms to open each valve. and use of small shims to adjust valve lash, reduces inertial mass and mechanical losses.
- Lightweight pistons with light, thin rings efficiently reduce friction and resist fluttering even at peak rpms.
- Suzuki Advanced Cooling System (SACS), combined with air capacity curved Radial Flow cooler. cooling, efficiently carries engine heat away to the high-
- Cool-air induction system routes cool, dense air from the 38mm Slingshot carburetors maintain quick engine response
- fairing intake to the airbox
- Aluminum-alloy double-cradle frame, together with swingarm proven with modified racing engines. reinforced with gussets, features rigidity exceptionally well
- Inverted front forks have higher rigidity and provide better fork response. Suzuki's unique progressive link rear suspension system is combined with a remote-reservoir rear shock
- Wide aluminum-alloy wheels with hollow spokes carry high-performance 17-inch front and rear radial tires.
- 310mm front brake discs with surface slotting and floating with staggered piston sizes. carrier mounts are mounted, together with 4-piston calipers
- New factory racer-derived, narrower fairing with flushare wind-tunnel retirned and provide better aerodynamics mounted headlights, along with sidecovers and tailsection



body colors might differ slightly from the colors in this brochure notice. Please inquire at your local dealer of any such changes. Actual Always wear a helmet, eye protection, and protective clothing apply to local conditions. Each model might be discontinued without optice, equipment, specifications, colors, materials and other items to "SUZUKI MOTOR CORPORATION reserves the right to change, without

Read your owner's manual carefully -Enjoy riding safely



THE DATE OF ESSLE OCT. YO ----

55X-R750



hotessional rider pictured





Direct Access Racing Technology

Nothing speeds technological development and advances the state of the engineering art as rapidly as racing.

The racetrack rewards all-around function. Success in racing comes to efficient high-performance machines, racing motorcycles that accelerate harder, corner faster, stop quicker, simply work better.

Nobody builds better racebikes than Suzuki: The Grand Prix-winning RGVS001 and the stunning 750cc Formula-1 GSX-R750R fielded by the Suzuki factory team are proof of that fact. But building exotic racebikes is one thing. Applying racing technology to production street motorcycles without building in the control of the contro

an outrageous pricetag is another. That's what makes the high-performance Suzuki GSX-R line different: The direct, efficient application of racing technology.

Technology that makes the GSX-R750 simpler, lighter, more efficient, better than the competition. The competition is a competition of the competition. The 1991 GSX-R750 is more than the best all-around high-performance 750cc street motorcycle.

available off a showroom floor today

The 1991 GSX-R750 is direct access racing technology

A Revolutionary Engine, Refined Revolutionary for its combination of hig gn simplicity and light weight, Suzuki's unique (-R engine has been continually refined since its duction. This air-cooled with SACS'¹⁰ (Suzuki anced Cooling System), race-proven 749cc power-

Advanced Cooling System), race-proven 749cc power-house has a bore and strice of 70 x 487mm, four-whee per cylinder, clouble overhead camehatts and Sundik's TSCC (Pinio Swirl Consultion Chambar) design. Racing-design connecting rods carry light-weight platons with recessed wrist-pin cosses, cu-sews skirts and light, thin rings that seduce friction and resist fluttering and loss of ring seal all the way up to the 13,000 pm rectline.

When cylinder head improvements come straight out of the factory Formula. I stem's race shop Belending the valve seats smoothly into reshaped inside and exhaust ports increases gas flow velocity, improving cylinder chapping and scaveraging and producing more troque. Opening each valve with a lightweight, single noclear arm (operated by an individual cam lobe) and using a small shim (held on top of each valve spring retainer) to adjust valve start reduces inertial mass and— especially at high prim—mechanical blosses as well. And using valve springs from the GSX-R1100 angine in process valve control at higher prim.

It ill adds up to an astounding amount of torque, unhand of inspoorse, outstanding afficiency, and the type of reliability that has made the GSX-R1100.

Suzuki Advanced Cooling System (SACS)
The Suzuki Advanced Cooling System (SACS) combines with air cooling to efficiently keep the GSC-R750 eighte at optimum operating temperatures. SACS is a separate, high-volume of low system that carries eighte heat to an efficient, high-capacity, curved Radial Flow cooler. SACS results in engine temperatures much lower than those achieved with air-cooling alone, and SACS is simpler and lighter than competing water cooling systems.

Slingshot Carburetors (2)

The Saruki GSX-R750 breathes through Slingshot the Saruki GSX-R750 breathes through Slingshot smoothbore carbe featuring a unique side design orthodore the saruking an unique side design orthodore the saruking an industrial state of a flat side and a round side, delivering the quick responses and reduced throttle-movement resistance of a flat side and the less-turbulent airflow and better sealing of a round side. A smooth-radius air inside bell, without ridges, increases inside officiency. A vent circuit built into each raburetor reduces regative pressure underneath the side disphragm, allowing the side to rise more rapidly and improving throttle response. Singshot design carburetors are a lighter than conventional carburetors and are sailer to work on, making jetting changes faster and simpler at the reportable.

Cool Air Induction System 3 Cool air is dense air, and dense air

output. But the air reaching the carburetors of most motorcycles has been heated and thinned by passing the engine or the nadiator. The GSX-R70's racing induction system carries relatively cool, dense air to the carburetors. The system routes air from a carburetors. The system routes air from a coop into the right-side frame rail; the air travels through the rear frame cross tube and is fed into the airbox intake.

Four-into-one Exhaust System (4) The GSX-R750's efficient four-into-one exhaust system is made of rust-resistant stainless steel. The system is designed to help maximize cornering

Computerized Ignition
Suzuki's microcomputer-controlled digital ignition
Suzuki's microcomputer-controlled digital ignition
system provides ideal ignition timing at every engine
system provides ideal ignition timing at every engine
system provides in a street of the provided in the system of the

Race-proven Clutch with Rack-and-pinion

The GSX-R750's race-proven clutch has six beely coil springs. The rack- and-pinion clutch actuation system uses needle roller bearings on the pinion for a light pull and precise leet, and gives the rider excellent feedback at the clutch engagement point.

Compact, Strong Racing Frame and Swingarm
The GSX-R750's aluminum-alloy frame and swingarm
are an exceptionally light and rigid combination of stateof-the-art castings and extruded straight-wall tubing.
The double-crailed frame and restengular-section
swingarm designs have performed exceptionally well
even with heavily modified analyse aprises. Swingarm
neinforcing includes gussets behind the cross brace

Inverted Front Forks 6

Any racer who has made back to -back comparisons will sall you that the lastest way to improve harding is to replace conventional tond tools with a set of interested by the property of the p

Progressive Link Rear Suspension System Suzuki's unique progressive link rear suspension Suzuki's unique progressive link rear suspension system becomes progressively firmer throughout its 136mm (5.35-inches) of wheel travel, improving response

to road irregularities around town and at highway speeds. Needle roller bearings reduce friction in linkage pivor points. The externally-adjustable, armora-reservoir rear shock absorber has four rebound damping settings and 12 compression damping settings. Spring preload can be adjusted across a 10mm range.

Wide Cast Wheels, Radial Tires

The 1991 GSX-R750's wide, cast aluminum-alloy wheels carry 17-noth high-performance radial tires. Each wheel has three hollow spokes to reduce weight, with uniform casting wall hickness for maximum strength and a sealed design to reduce stress concentration where the spoke meets the rim. The front wheel measures 3.50 x 17-inches and the rear wheel measures 5.50 x 17-inches.

Four-piston Calipers, Floating Front Brake Discs [7]

Flace-prown stainless seet alloy, 30mm (12.2-inch) front brake discs feature surface slotting and floating carrier mounts to help resist heart related distortion. Four-piston calipors have staggered (30mm leating and 34mm tealing) pation sizes for more even pad wear. The front master cylinder features a remote fluid

Racebike Aerodynamics
The 1991 GSX-R750's fairing and bodywork design came straight of the factory learn's 1990 nacebikes.
The wind-turnet refined fairing features a stanted nose, flash-mounted headight assembly and raised windscreen for less fits, smaller frontal area and reduced drag. The sideocevers and tallsection smooth the airflow behind the rider's legs.

Wider Seat and Optional Solo Cover

A new, wider seat increases rider and passenger comfort. An optional cover is available to replace the rear seat section, for solo riding.

Dual Lighting, Complete Instrumentation ® ® The GSK-18795 were dual-hatigen-but headight assembly is complimented by a new ford running light and a new dual-but ballight integrated into the fallection. Instruments include a large tachoriseter speedometer and a full array of indicator lights.



SPECIFICATIONS

IMENSIONS AND DRY MASS

2,065 mm (809 in) 725 mm (285 in) 1,140 mm (449 in) 1,420 mm (559 in) 125 mm (49 in) 790 mm (31.1 in)

Ground clearance
Seat height
Engline type
Runter of cylinders
Bore stroke
Bore

700 mm × 48.7 mm 749 cc 10.9 : 1 MIKUNI BST38 × 4 Electric starter

Wet multi-plate type 6-speed constant mesh 1-down, 5-sp ms 1-1-down, 5-sp ms 1-74 (75/43) 2-769 (36/13) 2-769 (36/13) 2-769 (36/13) 1-547 (26/17) 1-400 (36/20) 1-227 (27/20) 1-227 (27/20) 2-866 (43/15) 2-866 (43/15)

Froit sespension stroke
Rear wheel travel
Caster
Trail
Steeling angle
Trening radius
Front brake
Front brake
Front liter size
Rear brake
Front liter size
Rear liter size
Rear

Battery
Headlight
CAPACITIES
Fuel tank, including reserve
Engine oil

Rear suspension



Inverted telescopic coll spring, dil damped, spring prebad fully, rebound 12 - rep; compression 12 - rep adjustable collection (2 - rep adjustable collection), rebound 4 - rep; compression 12 - rep adjustable rebound 4 - rep; compression 12 - rep; comm (4 7 in) 126 mm (5 4 in) 68 - 75 cmm (5 4 in) 68 - 75 cmm (10 2 th) 100 mm (53 in) 30 cmm (10 2 th) 106 cmm (10 2 th) 1

SUZUKI "PET" B.T.D.C. below 13*/1,500 rpm B.T.D.C. above 22*/4,000 rpm 12 V /14 Ah 12 V 60/55 W ×2

21 L (55 gal) 43 L (45 qt)









"SUDIO MOTOR CO. ITO reserves the right to charge, without notice, equipment, specifications, colors, materials and other items to apply to local conditions. Each model might to discontinued without notice. Please make all your local desire of an south charges. Actual body colors in any other solors in this bodowne.

Allways wear a belimet, eye protection, and protective clothing «Read your owner's manual carefully «Enjoy riding safely »





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