

**YAMAHA**

**FZR1000**





## FZR1000. Pushing harder to the limit!

Ever since we introduced the FZR1000 it has been universally regarded as the leading large-capacity supersport bike.

And the major reason that this machine has been so popular with sports riders all over the world is its unrivalled Genesis technology.

First developed for our Grand Prix-winning factory road race bikes, the Genesis concept is a unique approach to motorcycle design in which the engine and chassis are developed in union, resulting in improved overall performance.

Main feature of Genesis technology is the slant-block engine. By sloping the FZR's cylinders forward our engineers have achieved a low centre of gravity and optimum front/rear weight distribution for excellent handling performance.

Another important element in the Genesis concept is the use of advanced Deltabox frame technology. With its widely-spaced top rails, this race-developed design allows the use of straight inlet tracts for improved intake efficiency, and by using the slant-block engine as a stressed member, overall weight is kept low.

To keep the FZR at the top of the 1000 cc-plus league we've made a number of important improvements. A new wider upper fairing gives enhanced rider comfort at speed, and is equipped with endurance racer-style fox-eye headlights. And for high-performance roadholding and braking the modified front forks carry 6-pot calipers working on dual 320 mm front discs.

FZR1000. Now even closer to the limit!







## Grand Prix-winning Genesis technology

Like our Grand Prix-winning road racers, the FZR1000 has been developed using Yamaha's famous Genesis technology. Working together as one team, our chassis and powerplant designers have created a class-leading motorcycle whose overall performance exceeds the sum of its components.

Slanting the cylinders forward has enabled us to design a compact frame with a low steering head which helps centralize mass for superb all-round handling performance.

And situated above the engine between the aluminium Deltabox frame's widely-spaced top rails is a bank of downdraft carburetors and short, straight inlet tracts. Delivering excellent throttle response, this space-saving design also reduces the FZR's width beneath the tank and seat to give improved rider mobility.



## Superior 5-valve technology



One of the most significant performance-boosting features on the FZR is our 5-valve head design. Featuring 3 inlet valves and 2 larger diameter exhaust valves, this race-developed system achieves an excellent balance between intake and exhaust processes for superior low to mid-range power.

Displacing 1002 cc, the in-line 4-cylinder slant-block engine is equipped with straight inlet tracts fed by 38 mm downdraft carburetors for instant throttle response and remarkable performance right up to the red line.

And making the FZR1000 powerplant one of the most flexible in the class is our revolutionary EXUP, a servomotor-controlled exhaust tuning system.



## Aggressive supersport styling with superb tourer comfort

If you're a supersport rider who thinks that good looks and rider comfort don't go together then you should take a look at the latest FZR!

We've completely redesigned the upper cowl and screen, and given it a fresh new endurance racer-inspired look complete with twin fox-eye headlights for good night-time visibility.

We think you will agree that the FZR looks even better than before. But you'll probably be surprised to hear that it is also more comfortable at speed!

And to make this legendary bike even more enjoyable to ride we've fitted improved visibility mirrors, an adjustable clutch lever and new-design grips.



### Front forks

FZR's upside-down front forks are a spin-off from our Grand Prix racing programme. Offering extreme rigidity for precision handling, they now feature improved action for enhanced rider comfort and superior roadholding.



### Front disc brakes

At the front end the latest FZR is equipped with a new high-performance braking system. Developed from our factory superbike racers, this sophisticated design features racing-style 6-pot calipers operating on massive 320 mm drilled dual discs.



### Rear suspension

High-rigidity aluminium Deltabox swinging arm operates a rising-rate Monocross rear suspension system featuring a damping-adjustable shock. First used on our racing bikes, this advanced design gives excellent handling performance over a variety of road surfaces.



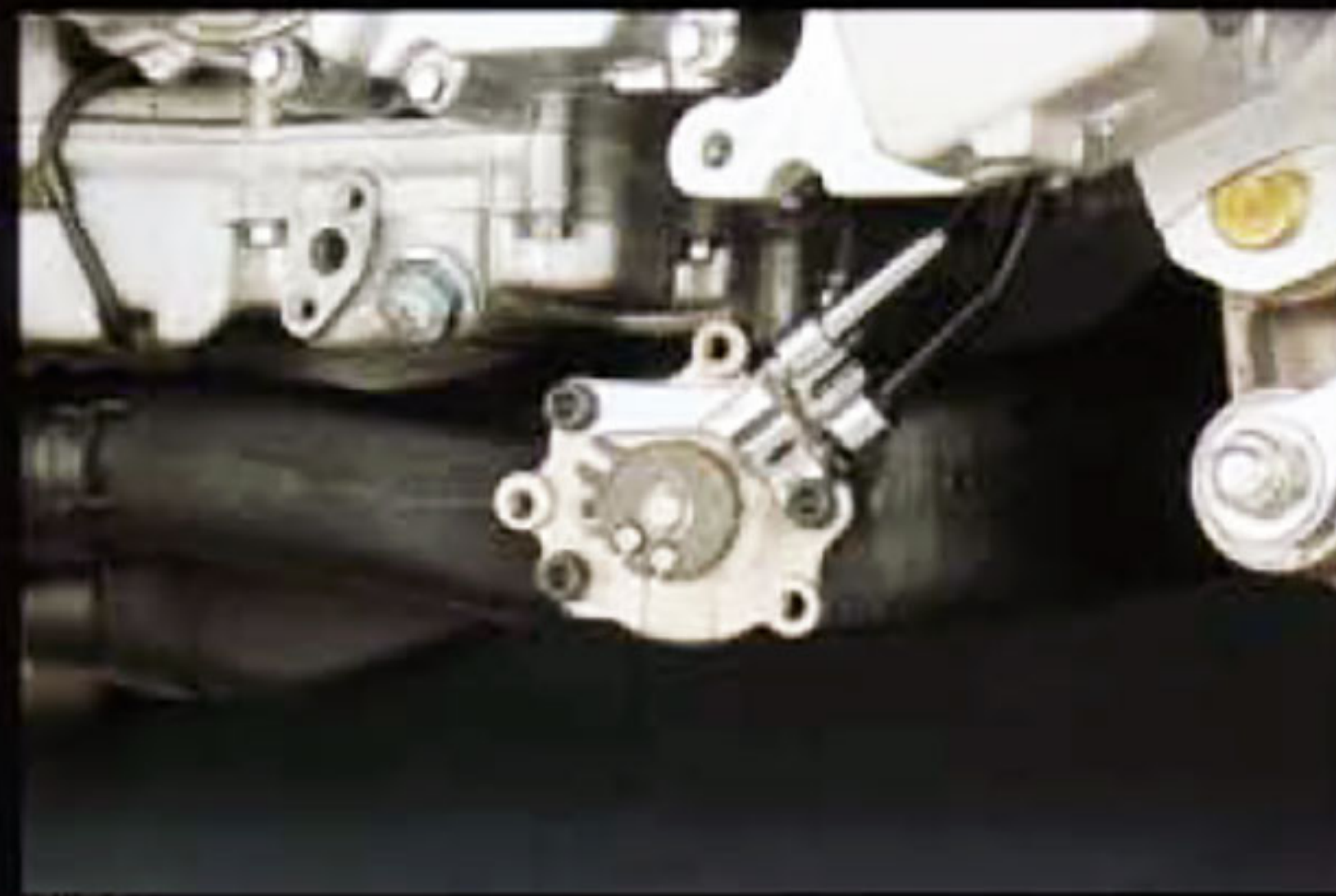
### Rear brake

Backing up the high-performance twin front disc system is a drilled 267 mm rear disc. Delivering progressive braking with excellent feel through the lever, this lightweight rear disc and caliper keep unsprung weight low.



### Instrument panel

Instrument panel has been completely redesigned and now features a Grand Prix-style central tachometer and water temperature gauge flanked by an easy-to-read speedometer. And to deter thieves the FZR1000 uses a new anti-theft ignition switch.



### EXUP

Operated by a microcomputer-controlled servomotor, the Exhaust Ultimate Power Valve (EXUP) system consists of a special valve situated between the header pipes and the silencers which regulates exhaust gas flow for improved low to mid-range torque.



### Wheels/Tyres

To ensure responsive front and rear suspension action the FZR is equipped with hollow 3-spoke wheels which are light and immensely strong. And for optimum traction a 130/60-VR17 tyre is fitted to the front with a 170/60-VR17 at the rear.



### Seat/Seat cowl/Tandem seat

For solo sports riding the FZR1000 is fitted with a cowl which gives excellent rider support under acceleration. And when you take a passenger with you the cowl can be quickly removed to reveal the long, comfortable dual seat.





BWC1 (Bluish White Cocktail 1)



BL2 (Black 2)

#### FZR1000 TECHNICAL SPECIFICATIONS

##### ENGINE

Type:.....4-stroke, liquid-cooled  
DOHC 5-valve, parallel four  
Displacement.....1,002 cc  
Bore and stroke.....75.5 x 56 mm  
Compression ratio .....12 : 1  
Max. power (DIN) .....125 PS (91.1 kW)  
@ 10,000 rpm  
(ISO) .....118.8 PS (87.3 kW)  
@ 10,000 rpm  
Max. torque .....10 kg-m (98.1 Nm)  
@ 8,500 rpm  
Lubrication .....Wet sump  
Carburation.....BDST 38 x 4  
Ignition .....Transistorised (digital)  
Starter System.....Electric  
Fuel tank capacity .....19.0 litres  
Oil tank capacity.....3.5 litres  
Transmission .....5-speed, constant mesh  
Final transmission.....Chain drive

##### CHASSIS

Overall length .....2,205 mm  
Overall width .....745 mm  
Overall height .....1,170 mm  
Seat height.....775 mm  
Wheelbase .....1,470 mm  
Min. ground clearance .....135 mm  
Dry weight.....214 kg  
Front suspension.....Telescopic forks  
Rear suspension .....Swinging arm  
(Link Suspension)  
Front brake .....Dual 320 mm Ø disc  
Rear brake .....Single 267 mm Ø disc  
Front tyre .....130/60 ZR17  
Rear tyre .....170/60 ZR17

*Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Specifications and appearance of Yamaha products shown here may vary according to requirements and conditions, and are subject to change without notice. For further details, please consult your Yamaha dealer.*

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