

FZR1000

YAMAHA







## Star Performer

At Yamaha, we view power and handling as an integrated whole, rather than as separate performance factors — an approach which forms the basis of our celebrated Genesis concept. And this philosophy is exemplified nowhere better than in the Yamaha FZR1000.

The FZR1000's innovative 5-valve, 4-cylinder engine employs a slant-block design to improve its balance and handling characteristics and boost output at the same time. The forward slant of the cylinders not only optimises weight distribution, but it also permits the use of highly efficient downdraft carburetors, which take advantage of the abundant fresh air their positioning makes available. The result is increased power output.

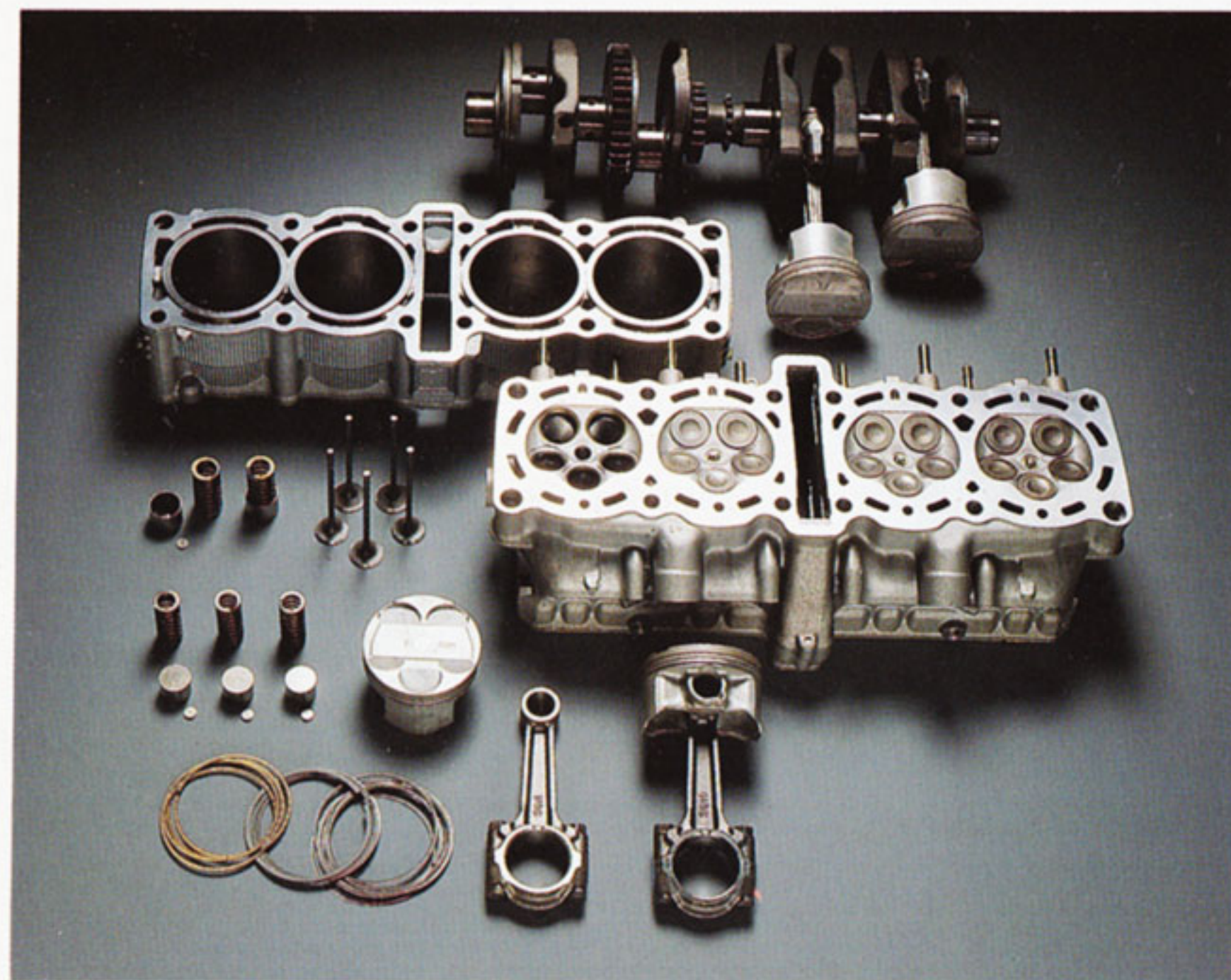
The Genesis concept also extends to the chassis, with its Deltabox aluminum frame. A close cousin to the frames on our World Championship Grand Prix racing bikes, this exceptionally lightweight, high-rigidity frame contributes further to making the FZR1000 one of the best-handling motorcycles in its class. And suspending the fuel tank behind the cylinders ensures that weight distribution is unaffected even by changes in the fuel load.

Our engineers have also provided the FZR1000 with a long list of extras to enhance performance further. These include EXUP (Exhaust Ultimate Power Valve) exhaust control for increased power, muscular upside-down front forks, a rising-rate Monocross rear suspension, and an aerodynamic, slant-nosed fairing with ducts to admit air, which is channeled to the carburetors by Yamaha's FAI (Fresh Air Intake) system.

The Yamaha FZR1000. You won't find a better integrated combination of power and handling performance in any other sports bike anywhere.

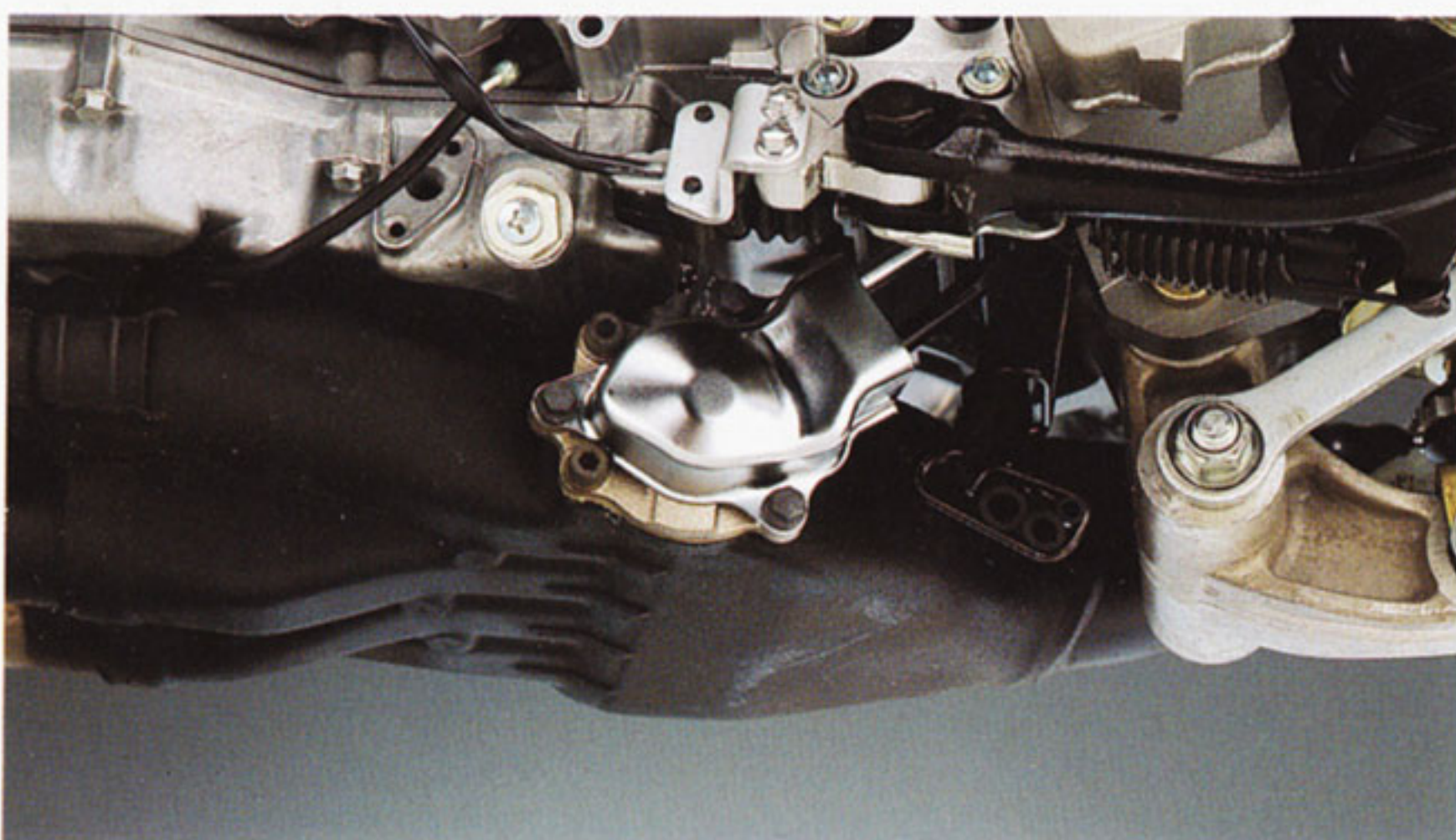






#### Engine

This 1,002cc, forward-inclined DOHC engine employs a 5-valve, 4-cylinder configuration to develop impressive power output. Its liquid-cooled oil cooler enables it to maintain its high performance over extended periods.



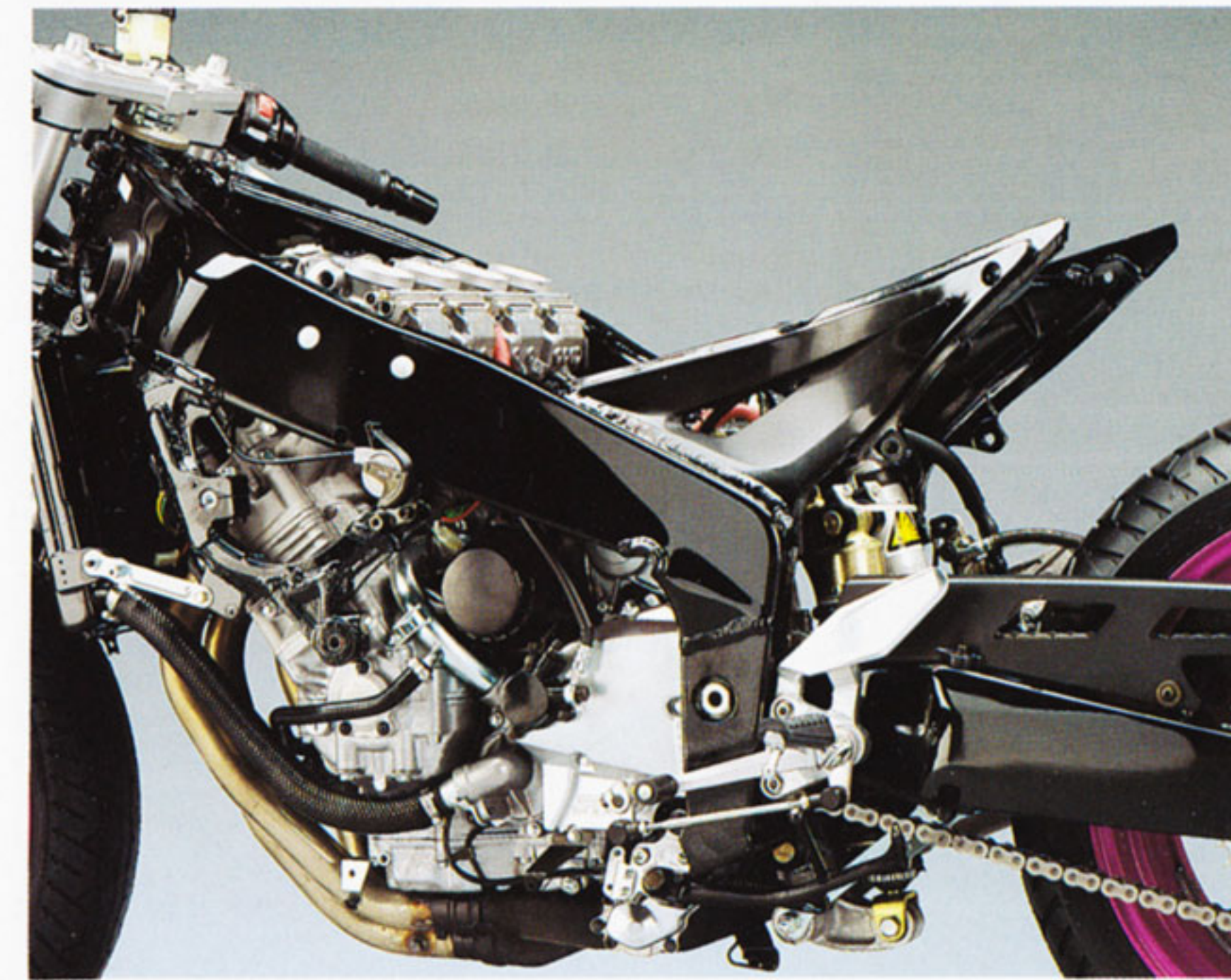
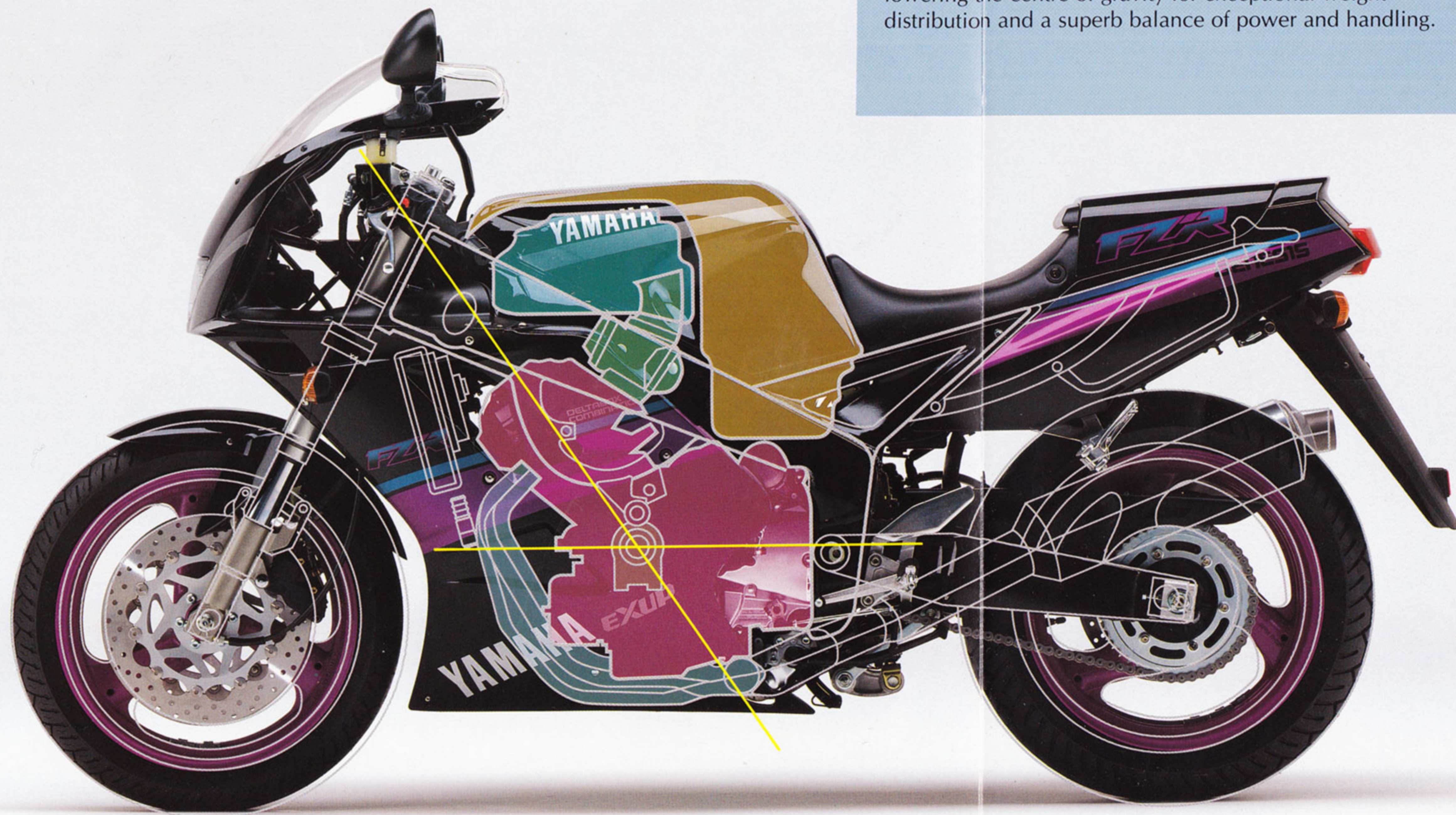
#### EXUP

Used in Yamaha's 4-stroke engines, EXUP employs a special valve operated by a microcomputer-controlled servomotor between the header pipes and the muffler to regulate the exhaust system for maximum power output throughout the rpm range.



## Genesis concept

Yamaha's innovative Genesis concept is an approach to high-performance motorcycle construction stressing the optimum integration of engine and chassis design. The FZR1000's super-efficient 1,002cc powerplant is placed at a forward slant in the highly rigid Deltabox frame, lowering the centre of gravity for exceptional weight distribution and a superb balance of power and handling.

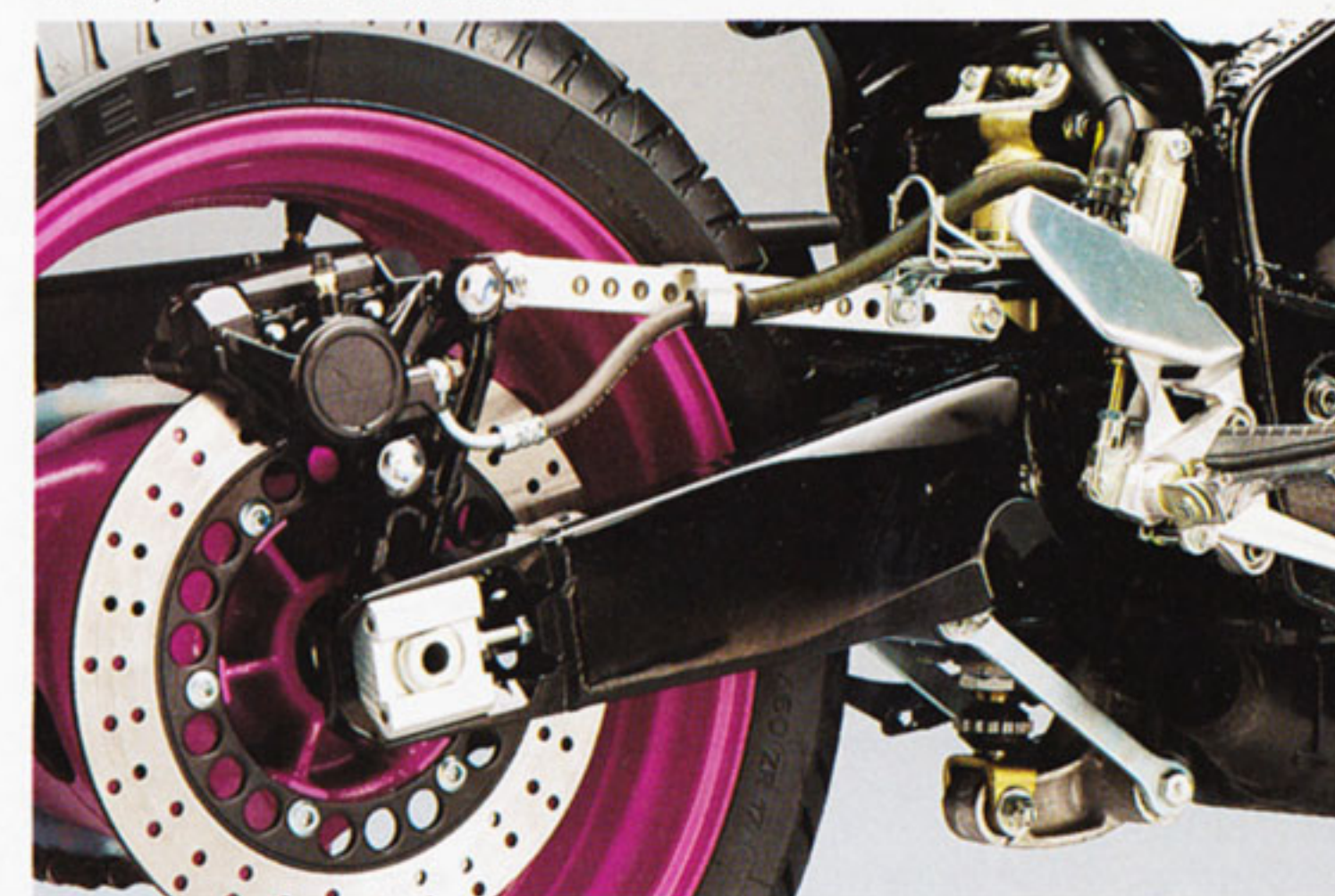


#### Deltabox frame

Modeled closely on the frame used by the Yamaha factory team in its highly successful 500cc Grand Prix World Championship campaigns, the FZR1000's Deltabox frame combines light weight with high rigidity for enhanced stability and handling.

#### Rear suspension

The rising-rate Monocross rear suspension employs an aluminum Deltabox swinging arm and damping-adjustable shock with remote reservoir to deliver a smooth ride and responsive handling under a variety of road conditions.



#### Front suspension

Developed for our factory racing machines, the FZR1000's extra-rigid upside-down front forks minimise flex to ensure a smooth ride and high-precision cornering.



#### Fairing/FAI system

The aerodynamically-efficient slant-nosed fairing slices through the air with minimal drag and incorporates a powerful flush-fitting headlamp assembly. Twin Fresh Air Intake (FAI) ducts force-feed cool air to the carburetors for maximum intake efficiency.



#### Brakes

Two large-diameter front disc brakes operated by opposing 4-piston calipers work in tandem with a single rear disc to provide powerful, responsive braking. All the brake discs have been drilled to reduce unsprung weight.







SW (Silky White)



BL2 (Black 2)

## FZR 1000 TECHNICAL SPECIFICATIONS ENGINE

Type ..... 4-stroke, liquid-cooled,  
DOHC, 5-valve, parallel four  
Displacement ..... 1,002 cc  
Bore and stroke ..... 75.5 x 56.0 mm  
Compression ratio ..... 12 : 1  
Max. power (DIN) ..... 145 PS  
(107 kW) @ 10,000 rpm  
(ISO) ..... 137.7 PS  
(101.6 kW) @ 10,000 rpm  
Max. torque ..... 10.9 kg-m  
(107 Nm) @ 8,500 rpm

Lubrication ..... Wet sump  
Carburation ..... Mikuni BDST 38 x 4  
Ignition ..... Transistorised (digital)  
Starter system ..... Electric  
Fuel tank capacity ..... 19 litres  
Oil 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  
(Monocross)  
Front brake ..... Dual 320 mm Ø discs  
Rear brake ..... Single 267 mm Ø disc  
Front tyre ..... 130/60 VR17-V280  
Rear tyre ..... 170/60 VR17-V280

*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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