

ZX-12R

2003 Sales Guide

MODEL NAME: ZX-12R
MODEL CODE: ZX1200-B2

KEY FEATURES

- ▶ Without doubt, the best-performing production bike ever produced. It will out-accelerate, out-handle and out-perform all other bikes in its class.
- ▶ Fuel injection.
- ▶ Ram air induction system
- ▶ Straight-shot intake ports.
- ▶ Titanium muffler
- ▶ Innovative monocoque aluminium frame for superior rigidity and precision handling.
- ▶ Wind tunnel-designed aerodynamics.
- ▶ Semi-floating dual disc front brakes.
- ▶ The most powerful production motorcycle Kawasaki has ever made!



Colour: Cosmic Splendour Red/Metallic Greystone

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FEATURES AND ADVANTAGES:

Engine

- ▶ The 1,199 cm³, DOHC, 16-valve 4-cylinder engine produces more horsepower than any other machine in its category.
- ▶ Rigid, deep-nitrided crankshaft has 20% more inertia for smooth acceleration and improved feel.
- ▶ Direct valve actuation with crowned lifters reduce wear. Valve sizes 33.4mm intake/28.3mm exhaust. VX-type valve springs give accurate valve control.
- ▶ All-aluminium cylinder has electroplated bores while the cast pistons are heat-treated prior to machining to prevent distortion. Thinner rings minimise friction. Connecting rods are carburised chrome-moly steel for strength and reliability.
- ▶ Electronic DENSO fuel injection with 46mm throttle bodies assures brilliant throttle response, high output across the rev range and low emissions. Sensors include intake, ambient air and water temp, intake vacuum, crank angle, gear and cam position. Throttle cable pulley changed to oval shape for smoother throttle response.
- ▶ Revised ignition mapping and digital ignition with timing sensor mounted on the crankshaft. Ignition and fuel maps are independent for each cylinder. Ignition uses plug-mounted stick coils and long-life Platinum, dual-electrode plugs to ensure dropout free operation.
- ▶ Single radiator fan replaced with twin fans for improved cooling performance. Single-rotor oil pump has wider rotors.
- ▶ Twin Ram Air system adds approximately 13 horsepower in the higher speed ranges. Monocoque frame allows use of straight intake ports and doubles up as an airbox.
- ▶ Improved clutch design directs more cooling oil to the clutch plates for improved reliability during hard launches. Shift shaft diameter now 14mm (up from 13mm) for improved shift quality. Special ZX-12R-specific DID 535 drive chain transmits power.
- ▶ Free-breathing, 4-2-1 exhaust system features a lightweight all-titanium muffler with stainless exhaust pipes.

Frame

- ▶ Revolutionary all-aluminium monocoque frame has huge box section and cast steering head/swingarm pivot areas to produce an extremely stiff structure. Less gusseting around the steering head for improved stiffness balance.
- ▶ New, lighter swingarm has revised stiffness to match the new frame. Ride quality over bumps also improved. Mount for rear suspension linkage moved forward and downward, swingarm pivot moved down 2mm for improved handling and traction.

Suspension

- ▶ Inverted 43mm cartridge front fork is fully adjustable for preload and compression/rebound damping.
- ▶ Bottom-Link Uni-Trak rear suspension uses aluminium linkage for light weight. Nitrogen gas-charged shock with piggy-back reservoir is 5 mm shorter and uses a softer spring. Stepless spring preload and new stepless compression/rebound damping adjustment make it easy to adjust.

Brakes

- ▶ Front semi-floating 320mm x 5mm discs and opposed six-piston Tokico calipers deliver superlative braking performance and precise feel at the lever. Differential bore sizes contribute to superior performance: 27mm x 2 and 24mm x 1. Special new coating on caliper seals smooth operation and give improved feel at the lever. 5-way adjustable lever.
- ▶ Rear disc brake uses lightweight 230mm rotor with twin opposed piston caliper. Rear brake caliper holder mounts directly to swingarm, negating the need for a separate brake torque-rod.

Wheels & Tyres

- ▶ Lightweight 3.5MT (front) and 6.0MT (rear) hexagonal spokecast alloy wheels reduce unsprung weight and are fitted with radial tyres for excellent traction. Rear tyre specially designed for the ZX-12R gives excellent side grip and traction with reasonable longevity.
- ▶ Front and rear axles and swingarm pivot are 25mm in diameter and hollow for high rigidity and low weight.

Aerodynamics & Bodywork

- ▶ Wind-tunnel designed fairing was developed with help from Kawasaki's aircraft division. Redesigned upper cowl has a shorter nose for improved aerodynamics and a sportier look.
- ▶ New 20 mm higher windscreen is higher and wider for improved wind protection. New mirrors are lighter, more compact and feature an anti-vibration design. Inner cowls added around the levers reduce turbulence in lever area.
- ▶ New lower fairing uses 3-piece design with separate inner triangular shroud for ease of maintenance and better cooling. Winglets at each side of the fairing prevent turbulent air from the front brake area from degrading the laminar flow along the upper part of the fairing. New front fender is shorter and gives the front end of the bike a more aggressive look.
- ▶ Cast-in wedges at the bottom of the fork sliders direct air around the fairing and diffusion cooling is used to increase cooling efficiency and reduce wind resistance.

- ▶ Openings at the bottom interior edge of the fairing reduce air resistance and enhance cooling of the exhaust pipe area. Aerodynamic single-seat cowl contributes to high-speed aerodynamics and is supplied as standard equipment.
- ▶ Radical new C & G give the new Ninja ZX-12R a stunning look that is unmistakably Kawasaki.

SPECIFICATIONS:

Engine type	4-stroke, in-line four
Displacement	1,199cc
Bore & Stroke	83.0 x 55.4mm
Compression Ratio	12.2:1
Cooling	Liquid
Fuel injection	Denso 46mm x 4
Ignition	Digital
Starting	Electric
Transmission	6-Speed
Rake Angle	25.0°
Wheel Travel (front/rear)	120 / 140mm
Front Tyre Size	120/70-ZR17
Rear Tyre Size	200/50-ZR17
Ground Clearance	120mm
Wheelbase	1,450mm
Front Susp	43mm USD cartridge fork
	stepless adj. preload, rebound and
	compression damping. Adj. ride height
Rear Susp	Bottom-link UNI-TRAK with
	gas shock, stepless adj. preload, rebound
	and compression damping. Adj. ride height
Brakes (front)	Dual 320mm discs, 6-PC
Brakes (rear)	230mm disc
Fuel Tank Capacity	19 litres
Seat Height	820mm
Dry Weight	213kg
Warranty	24 months
Kawasaki Riders Club	12 months

Note: Specifications subject to change without notice. Ask about Kawasaki Finance.

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