

The Champion Spirit

SUZUKI

RM125

WORLD CHAMPION '75 '76 '77 '78 '79 '80 '81 '82 '83 '84
Manufacturer's Champion of Motocross GP125



SPECIFICATIONS •Overall Length: 2,160 mm (85.0 in) •Overall Width: 855 mm (33.7 in) •Overall Height: 1,265 mm (49.8 in) •Wheelbase: 1,475 mm (58.1 in) •Ground Clearance: 320 mm (12.6 in) •Seat Height: 940 mm (37.1 in) •Dry Mass: 87 kg (192 lbs) •Type: 2-stroke liquid-cooled single •Piston and reed valve •Bore: 54.0 mm (2.126 in) •Stroke: 54.0 (2.126 in) •Piston Displacement: 123 cm³ (7.5 cu.in) •Compression Ratio: 8.5:1 •Carburettor: MIKUNI VM34SS •Air Cleaner: Polyurethane foam element •Primary kick •Fuel/Oil premixture of 20:1 •Clutch: Wet multi-plate type •Transmission: 6-speed constant mesh •Gearshift Pattern: 1-down 5-up •Front Suspension: Telescopic, pneumatic/coil spring, compression damping force 17-way adjustable •Rear Suspension: Full-floating suspension system, spring preload fully adjustable, compression damping force 17-way adjustable, rebound damping force 21-way adjustable •Front Brake: Disc brake, hydraulically operated •Rear Brake: Internal expanding •Front Tyre: 90/80-21 4PR •Rear Tyre: 120/80-18 4PR •SUZUKI "PEI" •Fuel Tank: 7.0L (1.8/1.5 US/Imp gal.)

The '85 RM125 — Additional Power and Agility Inherited from the World Champion.



an optimum position on each side of the machine body. By using the shortest hoses possible, coolant is supplied directly to the cylinder via the water pump. Weight is reduced and the risk of breakage is minimized.

One-Box Air Cleaner Unit

The cleaner has a large capacity and its intake resistance is reduced. The one-box design allows an easy maintenance.

Flat-Slide Carburettor

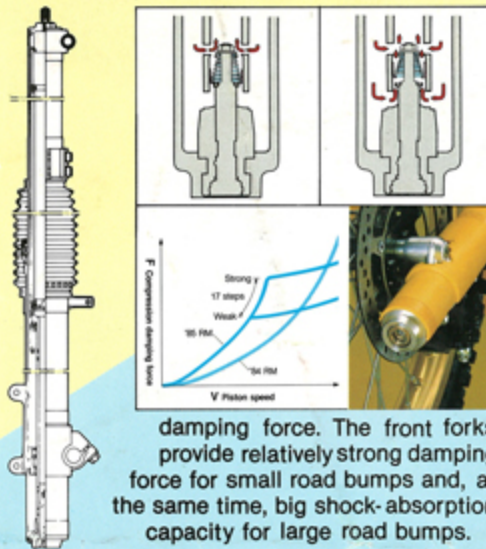
This type of race-proven carburettor offers quick throttle response at all rpm ranges. The bore has been enlarged from 32mm to 34mm to increase torque at mid and high-rpm ranges.

Semi-Double Cradle Frame

The RM125's chrome-molybdenum steel frame features strength and durability. Overall balance is also enhanced by this lightweight frame.

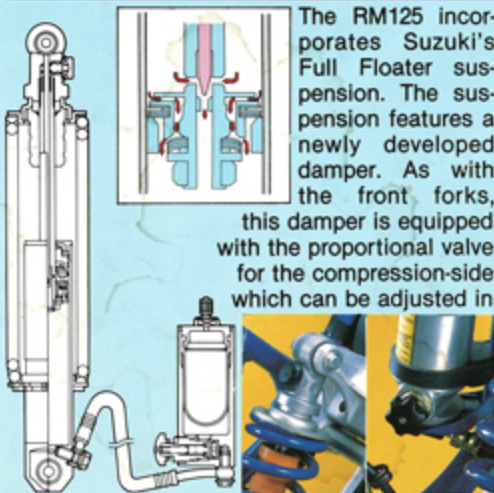
Air-Assisted Front Forks

The air-assisted front forks of the RM125 have been improved. By adopting a proportional valve for the compression-side, the suspension provides progressive cushioning characteristics. When the front forks travel at low speeds, the proportional valve does not open and oil passes through only the compression-side orifices to generate a damping force stronger than that of the conventional front forks. However, when the front forks travel at high speeds, the proportional valve opens to prevent the damping force from being too strong; thus, shock-absorption capacity is increased for riding stability. In addition, the initial load on the proportional valve for the compression-side can be adjusted in 17 steps by turning the adjustment screw located at the bottom of the front forks. This enables precise and varied setting of the



damping force. The front forks provide relatively strong damping force for small road bumps and, at the same time, big shock-absorption capacity for large road bumps.

Full Floater Suspension



The RM125 incorporates Suzuki's Full Floater suspension. The suspension features a newly developed damper. As with the front forks, this damper is equipped with the proportional valve for the compression-side which can be adjusted in

17 steps. The damping force of the rebound side is also adjustable in 21 steps by turning the dial located at the upper part of the damper. When the dial is turned, the damper push rod moves up or down to change the opening area of the variable orifices at the end of the push rod; enabling damping force adjustment. Furthermore, the push rod is made of aluminium and provides a high-expansion ratio to prevent any degradation in the suspension performance by compressing the oil when it becomes softened by heat. Consequently, suspension allows a variety of damping force settings to meet rider requirements according to any terrain conditions.

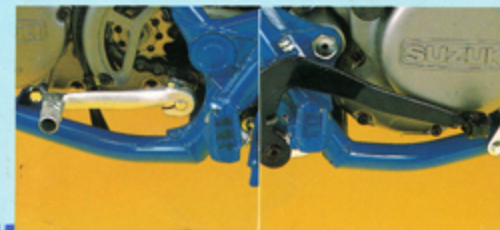
Front Disc Brake

A 240mm dia. front disc brake with a compact caliper is featured by greater braking power and improved braking control.



Folding-Type Pedals

To prevent breakage, both brake pedal and gearshift lever are folding types. An aluminium brake protector is provided at the lower front side of the engine. Footpegs are redesigned to prevent mud clogging.



Liquid-Cooled, Power-Reed Intake System Engine



The RM125 is equipped with an improved, high-performance two-stroke power unit, and includes the Power-Reed Intake

system which delivers increased power at all rpms. Redesigned cylinder head and flat-top piston increase combustion speed, and it results in more torque at mid and high-rpm ranges.



Split-Type Radiator

A unique two-piece radiator provides big cooling capacity to compensate for the increased engine power. Each radiator unit is located at

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

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