

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

MZ - MZ_500_Silverstar_Classic_1993_Manual_de_intretinere

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OPERATING INSTRUCTIONS

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INSTRUCTIONS DE SERVICE

INSTRUCCIONES DE SERVICIO Operating Instructions for MZ-Motorrad Silver Star Classic 500

<http://www.mz-b.de/miraculis/aw/mz/text/muz50b1/muz 50b1.html>

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SILVER STAR CLASSIC 500

Motorrad- und Zweiradwerk GmbH Operating Instructions for MZ-Motorrad Silver Star Classic 500

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DEAR MZ FRIEND! With these operating instructions, we want to help ensure that your motorcycle, which you have just received ready to ride from the dealer, will always be a

reliable companion. Thanks to our many years of experience in motorcycle construction, the Silver Star is a robust, powerful,

reliable and low-maintenance vehicle. To ensure that it always stays that way, please note the following information on handling and care.

Putting the vehicle into operation and operating it requires that you read these operating instructions carefully, observe the

instructions given here for proper use, have the legal authorization valid for the country of use to operate this vehicle and know and observe the conditions under which the vehicle may be used. The vehicle must remain in the technical condition

handed over by the manufacturer. The manufacturer assumes no liability for damage caused by failure to observe the instructions and

regulations, by installing non-original spare parts and accessories, or by improper repair work.

We wish you a "Good Ride"! MuZ MOTORRAD- UND ZWEIRADWERK GmbH Postfach 70 09401 Zschopau/Sa. March 1993 Operating Instructions for MZ-Motorrad Silver Star Classic 500
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 - Engine Type Rotax 504 E
 - Operating Method 4-stroke SOHC, 4 valves
 - Displacement 494 cm³
 - Power MZ 500 RS: 20 kW ECE (27 HP) at 6500 rpm
 - MZ 500 RSX: 25 kW ECE (34 HP) at 7200 rpm
 - Max. Torque 32 Nm at 4500 rpm or Operating Instructions for MZ-Motorrad Silver Star Classic 500
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 - 35 Nm at 4000 rpm
 - Lubrication Dry sump lubrication for engine and transmission with 2-stage trochoid pump
 - Transmission Number of Gears 5
 - Neutral indicator in the control lamp display, combined with oil level indicator
 - Lubrication Pump-splash oil lubrication
 - Power Transmission to Rear Wheel Roller chain 5/8" x 1/4", 102 rollers
 - Gear Ratio Transmission-Rear Wheel 2.24 (17/38 teeth)
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 - Type Dell'orto PHF 34 GS
 - Intake Manifold Diameter 34 mm

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Main Jet 120

Needle Jet AB 1 265

Throttle Needle K 28 Operating Instructions for MZ-Motorrad Silver Star Classic 500

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Throttle Needle Position from Top 3

Starting Jet 60

Idle Air Jet 45

Idle Correction Jet 100

Idle Mixture Screw 1 1/4 ... 2 1/4

Idle Speed approx. 900 ... 1100 rpm adjusted with throttle stop screw

Carbon Monoxide Content 2.5 to 4 Vol-% at idle speed

1.3. Chassis

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Suspension Telescopic fork with hydraulic damping, front

Travel 165 mm

rear Shock absorbers with hydraulic damping, travel 105 mm, adjustable spring preload

Wheels Wire spoke wheels

Rims Operating Instructions for MZ-Motorrad Silver Star Classic 500

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front 18 x 1.85

rear 18 x 2.15

Tires front 90/90-18 51 S with inner tube

rear 110/80-18 58 S with inner tube

Tire Pressure (Overpressure) Solo

front 210 kPa (2.1 bar)

rear 210 kPa (2.1 bar)

at permissible total mass

front 210 kPa (2.1 bar)

rear 250 kPa (2.5 bar)

Brakes Brake pads asbestos-free

front hydraulically operated disc brake

rear Simplex internal shoe brake

1.4. Electrical System

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Nominal Voltage 12 V

Ignition Contactless capacitor ignition, fully electronic, with ignition adjustment

Ignition Timing cannot be influenced 3° before top dead center at 1500 rpm, Adjustment continuously from 2000 rpm to 29° before

top dead center at 6000 rpm

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Spark Plug NGK D8 E-A, Champion 12 A 6 YC

Electrode Gap 0.7 mm

Generator 3-phase alternator 12V, 190W

Battery 12V / 14Ah

Bulbs Headlight H4, 12V, 60/55W, low beam asymmetrical

Parking Light 12V/4W, (Kfz.-Lampe T4W, Bajonettverschluß)

Taillight 12V/5W, Double filament lamp P25-2-12V (21/5W)

Brake Light 12V/21W, Double filament lamp P25-2-12V (21/5W)

Turn Signal 12V/10W - DIN 72601-R 19/10

Indicator Lights 12V/1.2W, Base W 2x4.6d (Glass bulb lamp)

Instrument Lighting 12V/2W, Base W 2.1x9.5d (Glass bulb lamp)

Fuses Main Fuse fuse insert 15A

Direction Indicator fuse insert 3A Operating Instructions for MZ-Motorrad Silver Star Classic 500

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1.5. Masses

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Curb Weight (with fuel and tools) 158 kg

Permissible Total Mass 330 kg

1.6. Filling Quantities

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Fuel Tank 13.0 l

of which reserve approx. 1.5 l

Engine Oil 3.0 l

1.7. Performance

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Maximum Speed MZ 500 RS 135 ... 140 km/h

MZ 500 RSX 140 ... 145 km/h

depending on load, weather conditions and seating position

Fuel Consumption approx. 4.5 ... 5.6 l/100 km Operating Instructions for MZ-Motorrad Silver Star Classic 500

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