

MZ - MZ_BK_17PS_Manual_de_intretinere

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To the friends of MZ motorcycles!

Your MZ BK 350 motorcycle is simple to operate and undemanding in terms of maintenance and care. Proper care and correct operation are necessary to keep the machine ready for operation and reliable at all times and to extend its service life. Therefore, familiarize yourself with these operating instructions immediately for your own benefit. Not only read our instructions on correct operation, but also carefully observe our instructions regarding consumables, and carry out the few maintenance tasks that we consider necessary as we recommend. Pay particular attention to what we say about the choice of the correct spark plug, correct carburetor and ignition settings, and the exhaust system. If we warn you against carrying out your own experiments, this is only in your interest. The standard setting values have been tested in long series of tests as the most favorable for this engine.

Our authorized workshops are obliged to provide you with thorough information on all questions beyond these operating instructions and to give practical advice. We recommend that you visit our authorized workshops not only to carry out the free inspections, but also whenever you do not have the time or inclination to carry out the necessary maintenance and care work yourself, or if a repair should become necessary. It goes without saying that only original spare parts are used for installation. Since the authorized workshop works carefully, quickly and efficiently with special tools, this is reflected in a cost-effective calculation of the repair costs.

Please note in your own interest what we say about the use of original spare parts.

Your MZ motorcycle guarantees you full performance and constant operational readiness if you drive and maintain it according to our instructions. You will have a lot of fun riding your motorcycle, and we wish you a safe journey at all times.

VEB Motorradwerk Zschopau/Sa. Operating instructions for the MZ motorcycle BK 350
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 - 1.1 Engine

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Bore 58 mm

Number and Arrangement of Cylinders Two-cylinder boxer engine

Displacement $2 \times 171.7 \text{ cm}^3 = 343.4 \text{ cm}^3$

Compression Ratio 7.1

Compression Space 28.5 cm^3

Power at 5000 rpm 17 HP

Maximum Torque at 3000 rpm 2.7 kgm

Cooling Air (wind)

Timing

Intake with peak 120 degrees crank angle

Intake without peak 104 degrees crank angle

Transfer 116 degrees crank angle

Exhaust 136 degrees crank angle

Carburetor

Number 2

Make IFA BVF NB 22-1

Setting

Intake cross-section 22 mm

Main jet 95 Operating instructions for the MZ motorcycle BK 350

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Idle jet 30

Needle jet 67

Needle position III

Idle air screw position 2 ... 2½ turns open

Throttle slide cutaway 14

Air filter 120 mm diameter

Lubrication Mixture lubrication (oil : fuel ratio 1 : 25)

Ignition

Type Battery ignition

Spark plug Isolator M 14-225

Thread length 10 mm

Electrode gap 0.6 mm

Breaker contact gap 0.4 mm

Ignition timing adjustment automatic via centrifugal weights

Ignition advance 3 mm before TDC with fully open centrifugal weights

Ignition coil

Number 2

Piston

Oversizes for cylinder Ø 58; 58.25; 58.50; 58.75; 59 mm Operating instructions for the MZ motorcycle BK 350

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Piston rings 3 per piston

Type Compression rings

Crankshaft bearing

Number 2

Type front WJL 25, rear 6305

Connecting rod bearing double roller, without cage

1.2 Clutch

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Type Single-plate dry clutch

Lining vulcanized onto driven plate
Number of pressure springs 6

1.3 Gearbox

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Design bolted to engine, dog clutch, 3rd and 4th gear helical
Number of Gears 4 Operating instructions for the MZ motorcycle BK 350
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Neutral indicator electric indicator lamp in headlight
Shifting via foot shift
Gearbox Ratios Maximum Speed
1st gear 1 : 3.84 33 km/h
2nd gear 1 : 2.10 61 km/h
3rd gear 1 : 1.38 96 km/h
4th gear 1 : 1.07 115 km/h
Kick starter ratio 1 : 3.84
Power transmission to rear wheel rubber joint-cardan shaft with universal joint
Ratio in rear wheel drive 1 : 4.67 Solo operation
1 : 5.4 Sidecar operation

1.4 Brakes

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Foot brake adjustable stop acts on rear wheel
Hand brake Operating instructions for the MZ motorcycle BK 350
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acts on front wheel
Brake drum Ø 200 mm
Light alloy hub
Brake lining
Width 25 mm
Material Vulcanized onto brake shoes

1.5 Wheels

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Type Spoked wheels
Attachment Plug-in axle
Rim size Drop center rims 2.5 x 19

Tires

Dimension 3.25 - 19

1.6 Suspension

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Front wheel suspension Telescopic fork Operating instructions for the MZ motorcycle BK 350
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