

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

MZ - MZ_BK_15PS_Manual_de_intretinere

Index

FOREWORD

The IFA motor vehicle from the nationally owned vehicle industry of the German Democratic Republic, to which these operating instructions belong, has been designed by experienced engineers according to the latest state of the art and manufactured by our workers with the best possible material with all due care. It should help the owner and driver in their professional work and also bring them joy in their free time.

To make this possible, the vehicle must be reliable and safe to operate. The manufacturer has tried to create all the prerequisites for this - and yet the reliability and service life of any vehicle depends decisively on correct operation and maintenance. Ask in a workshop why vehicles are there for repair - in most cases it can be proven that the repair case could have been avoided or postponed for a very long time if the driver had treated the vehicle in accordance with the instructions in the operating instructions. Therefore, observing every single regulation is in the driver's own interest - and therefore the small effort to familiarize yourself with these regulations before starting the vehicle is worthwhile, and every hour spent on maintenance work is also worthwhile, which cannot be done without a certain amount of time. Don't forget that every motor vehicle represents valuable national property, and preserving it for as long as possible is not only a personal advantage but also a national duty!

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Operating Instructions for the MZ Motorcycle BK 350 <http://www.mz-b.de/miraculis/aw/mz/text/bk15b/bk15b.html>

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Image 1. Exploded View of the Engine 1 Technical Data 1.1 Engine

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Working Method Two-stroke Stroke 65 mm Bore 58 mm Operating Instructions for the MZ Motorcycle BK 350

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Number of Cylinders and Arrangement Two-cylinder Boxer Engine Displacement $2 \times 171.7 \text{ cm}^3 = 343.4 \text{ cm}^3$

Compression Ratio 6.5 : 1 Compression Chamber 31 cm³ Power at 5000 rpm 15 HP Maximum Torque at 3000 rpm 2.7

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kgm Cooling Air (Wind) Valve Timing Suction with peak 120 degrees Crank Angle Suction without peak 104 degrees Crank Angle Scavenging 116 degrees Crank Angle Exhaust 136 degrees Crank Angle Carburetor Number 2 Make IFA BVF NB 22-7 Setting Air Funnel Diameter 22 mm Main Jet 95 Idle Jet 030 Operating Instructions for the MZ Motorcycle BK 350 <http://www.mz-b.de/miraculis/aw/mz/text/bk15b/bk15b.html>

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Needle Jet 67 Needle Position III

Position of Idle Air Screw 2 ... 2½ turns open Throttle Slide Cutout 14 Float Level 21.5 mm Float Weight Without Needle 8.5 g Air Filter 115 mm Diameter Lubrication Mixture Lubrication (Mixing Ratio Oil : Fuel 1 : 25) Ignition Type Battery Ignition Spark Plug Isolator M 14-225 Thread Length 10 mm Electrode Gap 0.55 mm Breaker Contact Gap 0.4 mm Ignition Timing Adjustment Automatic by Centrifugal Weights Pre-Ignition 3...3.5 mm BTDC with fully opened Centrifugal Weights Ignition Coil Number 2 Firing Order in Both Cylinders Simultaneously Operating Instructions for the MZ Motorcycle BK 350 <http://www.mz-b.de/miraculis/aw/mz/text/bk15b/bk15b.html>

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Piston Si 20 Oversizes for Cyl.-Ø 58; 58.25; 58.50; 58.75; 59 mm Weight, Naked 191 g 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-disc Dry Clutch Lining 'Original Coswig', Pressed onto Driven Disc Number of Pressure Springs 6 Operating Instructions for the MZ Motorcycle BK 350 <http://www.mz-b.de/miraculis/aw/mz/text/bk15b/bk15b.html>

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