Electric Power Sources

Storage Battery

The motorcycles are equipped with two series connected storage batteries type 3MT6, having a rated voltage of 12 V and a capacity of 12 A·h (at 10 h discharge rate).

The storage battery serves to supply power to all the consumers of the motorcycle, with the engine inoperative or running at slow speeds. When the engine operates at a speed greater than 1000—1200 r. p. m., the load is switched over, either completely or partially, from the battery to the generator which is also used to charge the storage battery.

When using and servicing the storage battery, follow the instructions for using the storage battery.

Generator

Specifications for the Г424 Generator

Rated voltage, V	14
Rated power, W	150
Maximum power at short-time loads, W	200
Mass, kg	3.7

Generator Design

The generator (Fig. 32) is a synchronous three-phase machine with electromagnetic excitation and has the following structural and design features: cover *1* has, at the drive end, a cylindrical boss (which is eccentric to the rotor axis and is intended to adjust the

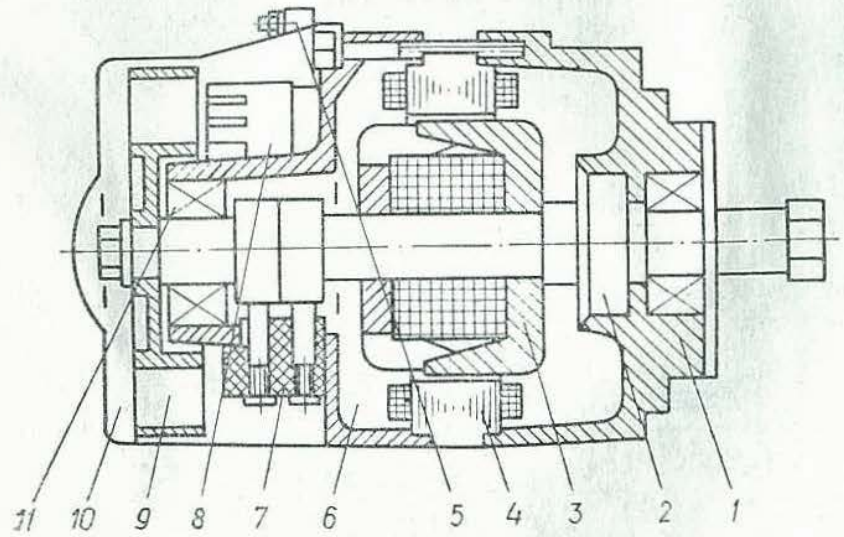

Fig. 32. Generator Г424:

1 — cover; *2* — gland; *3* — rotor; *4* — stator winding; *5*—terminal block; *6* — rear cover; *7* — brush holder; *8* — rectifier unit; *9* — fan; *10* — protective casing; *11* — bearing

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