It is strictly forbidden to operate the generator without load:

Installing the Generator on the Motorcycle

Insert the fitting boss of the cover, at the drive end, into the fitting hole of the engine crankcase. At the same time, ensure that the gears become engaged and the pins enter the elongated holes of the generator flange. A packing must be provided between the end faces of the generator and the crankcase.

Fit the spring washers on the pins and screw on the nuts until the generator is slightly pressed to the crankcase. Connect wires to the terminal block and put on protective caps. After having started the engine and let it run at slow speed, slowly rotate the generator clockwise and anticlockwise until such a position of gear toothing is found at which the gears can operate with the least possible noise. Without changing the generator position, tighten up the nuts.

Important. Maladjusted meshing of the drive gears may cause damage to the generator shaft.

Technical Servicing and Maintenance of the Generator During Operation

The design of the Г424 generator permits the technical servicing and maintenance of the generator to be reduced to minimum during operation. The use of sealed-for-life bearings eliminates the need for regular lubrication of the bearings during periodic servicing. The factory-filled grease of the bearings is intended to last throughout the entire period of generator usage. The slip rings of the Г424 generator do not form a carbon deposit during operation, practically are not subject to wear, are kept clean from brush dust and thus do not require frequent grinding and periodic polishing.

The electric brushes fitted on the Г424 generator are intended to last for as long as the generator is used.

When operating the generator, it is necessary to:

check the proper tightening of the nuts of terminal bolts and the cable shoes, of the generator coupling screws, of the fan attachment screw and the nuts securing the generator;

check the state of charge of the battery operated in conjunction with the generator;

see that the insulation and the wiring of the motorcycle is intact.

After expiration of the operating time of the generator (after 20 000 km run) clean the cover surface, facing the slip rings, to remove brush and copper dust. For ease of cleaning, it is advisable to remove the generator from the motorcycle, to take down the casing and the brush holder together with the brushes.

Total disassembly of the generator must not be undertaken until the expiration of the guarantee term.

Dismantling, Replacement of Bearings and Assembling the Generator During Major Overhaul of the Motorcycle

In order to dismantle the generator taken down from the motorcycle, proceed as follows:

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