remove casing *10* (refer to Fig. 32) after first unscrewing two screws M4 and removing the angle bar;

remove fan *9* after first turning off screw M6;

remove rectifier unit *8,* terminal block *5* and brush assembly after first unscrewing the appropriate screws and nuts;

mark the points of disconnection of cable shoes;

slightly push the output studs of the stator into cover *6;*

unscrew the coupling bolts and remove cover *6,* by evenly tapping the coupling screw bosses with a wooden hammer;

take the stator out of cover *1.*

To replace the bearing from the end of slip rings, remove this bearing from the shaft by means of a lifter and then press fit a new one onto the shaft.

To replace the bearing from the drive end, proceed as follows:

uncotter and unscrew the slotted nut;

remove the gear and key;

clean off the metal from the splines of the screws securing the bearing cover, extract these screws and take down the cover;

press out the shaft out of the bearing with the aid of lifter set against the centre hole of the shaft and the flange of cover *1;*

press out the bearing from the nest in the cover, by means of a lifter set against the bearing inner race;

insert a new bearing and assemble cover *1* in reverse order;

after turning home the screws securing the bearing cover, punch the cover metal into the splines of the screws.

When assembling the generator, follow the order reverse to that of dismantling. The locks on the covers of the generator and stator must be arranged in a single straight line.

Before assembling cover *6,* pass the output studs into the openings in such a way that the insulating bushes fitted on the studs are sunk into the appropriate recesses of the cover, and the heads of output studs are inserted into the appropriate recesses of the bushes.

The Г424 generator operates in conjunction with the PP330 current-and-voltage regulator.

The PP330 current-and-voltage regulator is intended for closing and opening the circuit between the generator and storage battery (or several storage batteries), for protecting the generator against overload and for maintaining constant voltage worked by the generator within preset limits, and for monitoring the glow of the control lamp indicating the charge of the storage battery — when the battery is being discharged, the lamp glows and vice versa. The current-and-voltage regulator is of dust-proof design and is made up of a voltage vibration regulator and reverse current relay (charge control lamp switching relay). The current-and-voltage regulator is factory adjusted and needs no servicing. Never violate factory adjustment and open the current-and-voltage regulator.

Its body is sealed and in case of seal removal no claims on its malfunction will be considered.

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