

INSTRUCTIONS FOR FITMENT OF REPLACEMENT HUB BEARINGS

(For models: 910 Standard, FM910, FM910-3, & 913)

Kit contents:- Two Type 6202 Bearings c/w rubber seals Part No. 921-001.

You require: Loctite 648.

To replace worn hub bearings:-

1. Remove the blades. Two screws per blade on Mark I machines and four screws per blade on Mark II machines.
2. Remove the side cover plate (910 series) or slide nacelle back (913) and remove wires from the choke and from the rectifier. Machines fitted with twin rectifiers remove wires from the rectifiers. Make careful note of which wire goes where for re-assembly.
3. Slacken the two shaft locknuts and screws and slide the hub out of the windshaft support casting.
4. Remove the six screws joining the hub halves together. Insert two of these screws in the back of the hub (910 series), or three screws in the front hub (913). Gradually turn the screws jacking the two hub halves apart. Once the hub is apart the stator can be removed.
5. The bearings are pressed onto the shaft and into the hub by Loctite Grade 648 and can be removed with a suitable bearing puller.
6. Before replacing the bearings remove all the loctite deposits from the shaft and bearings. This is most important to allow the halves to be joined properly.
7. Use Loctite 648 to bond the new bearings onto the shaft and into the hub halves.
8. When re-assembling it is essential the indents on the mating face of each hub half line up with each other. When the hub is apart care should be taken to ensure that no steel or magnetic particles are picked up by the magnet. It is also essential to make sure that the magnets are clean before re-assembly.
9. Once assembled allow at least one hour for the Loctite to harden before turning the shaft. Please allow 24 hours before re-commissioning the wind generator.

CAUTION

When offering hubs towards each other they will be attracted together by a large magnetic force capable of severely damaging your fingers !!