REPLACEMENT

1. Using a damp cloth remove sugar build up on the spinner head casting and make sure the new gasket sits properly on the casting.

2. Make sure the bands are dry before installing, being sure the band sits properly on the gasket.

3. Install the ribbons in the bands and connect the eyelets of the ribbon lead wires go to the terminal strips, being sure that the lead wires go to separate terminals (One lead wire from the ribbon on one terminal and the other lead wire on the other terminal). Caution must be taken in forming the ribbon leads not to break the ceramic beads and insulators.

4. Make sure the ribbon is securely seated in the band and replace the lead wire retainer screws. When tightening the screws be sure the lead wires do not bend, since this will pull the ribbon away from the band.

5. Install the head gasket, spinner cap, floaters and spinner cap retainer screws, but draw down the screws just enough to retain the spinner cap. Rotate the head assembly by hand, just enough to note any out of balance condition in the band and spinner cap. If there is a noticeable wobble in the cap and band, move the spinner cap and band until the head seems to travel in a true circle.

BRUSHES AND SLIP RINGS

Slip Rings are made of quality bronze and should give long service providing they receive periodic maintenance. Recommended cleaning and inspection time is after every 500 pounds of sugar. Inspect rings for pits, discoloration and excessive wear. Rings should not be flush with the phenolic parts and or worn unevenly. Inspect brushes for proper seating, wear, and free movement. Brushes should not be allowed to wear down smaller than ½".

INSPECTION, CLEANING AND MAINTENANCE

1. Unplug the machine before cleaning and servicing.

2. Place motor and heat switches in off position. Remove the retainer screws and brush cover. Using a damp cloth and blunted instrument (such as a wooden dowel) remove all sugar accumulation. Be sure to remove all sugar from around the motor shaft as any sugar getting into the motor will destroy motor parts.

3. Visually inspect rings and brushes for above mentioned discrepancies. Then correct them as instructed below.

4. If brushes are worn below ½" long, they should be replaced. The brush terminal nut may be removed with an 11/32" open end wrench.

5. When brushes are sitting correctly and the rings are in a good non pitted condition, they will be light gray color. when they are pitted, burned or in need of attention, they will be dark black and have a burned appearance. Pull the brushes back from the slip rings but not all the way out of the brush holder. Allow the brush spring to hold the brush in this position. Insert a strip of Emery Cloth against the slip ring. (Emery cloth is available from Gold Medal). While holding the ends of the emery cloth, plug in the machine and turn the motor switch On. By pulling gently on the ends of the

emery cloth and moving them slowly up and down, the rings will be sanded. Apply just enough pressure to thoroughly clean surface. Stop the motor, remove dust by blowing on part surface be sure to re move all emery dust, as abrasive action may cause problems later. Rings should now be bright in color and have no pits.

Examine the rings closely, as pits will cause an arching which will quickly destroy the brushes and rings. Repeat the sanding process if necessary to insure a good surface for the brushes. If surface is clean and smooth you can then install the brushes back against the rings and replace the inspection cover. The equipment is ready for operation. Let the motor run about five minutes before turning on power to the head. This will build up a thin layer of carbon on the rings and reduce the possibility of arcing while the brushes are wearing in.

6. If rings are worn excessively or have pits that sanding will not remove, they should be re placed. The replacement of slip rings is considered more involved than normal field maintenance. To be done correctly, you should have machine shop facilities. Head assemblies may be returned to Gold Medal to have this maintenance performed. We furnish a rebuilt head assembly if you do not have the time to send in the one from your machine. For open account customers, we will ship the rebuilt head on a Memo basis for full list price. When your head assembly is rebuilt, we will credit off the unit sent, and bill you and we keep yours. For customers who do not have credit established, send us the full price of the head assembly we will send you a rebuilt unit at once. When repairs are made on your head assembly, we will charge them to your account and send you a check for your refund promptly.