



SERVICE SLANTS

YOUR QUESTIONS OR COMMENTS ON "SERVICE SLANTS"
ARE WELCOME AT ANY TIME

ISSUED BY WURLITZER SERVICE DEPT., NORTH TONAWANDA, N. Y.

Replacement of Rotor Bearings in Motors as used in Wall Boxes,
Coin Register Mechanism, Coin Moto-drive, Master Unit, etc.

Required per motor: 1 - #45387-1 Bearing, Short; 1 - #45387-2 Bearing, Long;
1 - #45387-3 Cover, Short; 1 - #45387-4 Cover, Long.

1. Remove cross piece of motor assembly by filing off ends of rivets. Remove rotor and small washer.
2. Remove long bearing cover, and spring assembly contained inside. Gently tap bearing to drive out from frame plate, and remove bearing, pinion gear, and washer.
3. Install new long bearing, with gear and washer as removed. Do not force new bearing in so tightly that gear binds in turning. Place spring assembly inside new long cover, and force cover over end of bearing.
4. Remove cover and bearing from cross piece and install new cover & bearing.
5. Dress both ends of rotor shaft with crocus cloth to remove accumulated material and smooth out worn spots. Fine emery cloth (used with great care) may be required in some instances.
6. Fill both bearings with #105 Lubriplate; apply Lubriplate liberally to both ends of rotor shaft. Reassemble rotor with small washer to motor assembly, and install cross piece. Assembly drawing on reverse of page shows order in which parts are assembled.
7. Cross piece should be held in place with #6-32 machine screws 1-1/8" long, with suitable lockwashers and nuts, installed through the original rivets. This is preferable to soldering the ends of the rivets to the cross piece, as the screws prevent shifting of the cross piece with consequent binding of the rotor shaft.

THE GREATEST CARE SHOULD BE USED THROUGHOUT TO AVOID BENDING THE ROTOR SHAFT.

With certain types of motors, modification of the above procedure will suggest itself: Motor #45387, used in #45208 Coin Moto-drive; Motor #51729, used in some Model 212 Master Units, etc. The long or short bearings are common to all the motors; in some motors, covers are not required.

It is advisable to check each motor after reassembly by "running in" for five to ten minutes, stopping and starting several times. Adjustment of the position of the cross piece (or end plate) may be necessary to "free up" the rotor shaft. Liberal treatment with #105 Lubriplate is recommended for all gear teeth, and the application of one drop of SAE #10 oil to each gear shaft bearing.

Only those parts for which part numbers are shown are available for shipment.

