

SERVICE MANUAL V1.0

808 Series Wire Strippers (Includes MWS-83MD, MWS-808, MWS-808D, MWS-808PD & MWS-808PMO)

Removing/Replacing Blades

<u>CAUTION!! IMPORTANT!! DANGER!! WARNING!!</u> IF MOTORIZED MACHINE, DISCONNECT MACHINE FROM POWER <u>BEFORE PROCEEDING!!</u>

Estimated Completion Time: 25 Minutes

Tools Required

17mm Wrench

Adjustable Wrench

Flat punch

Rubber Mallet

Bearing Puller (See Pictures)

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1. Remove the 2 T-handle bolts from the top of the machine.



2. Remove 2 sets of springs and spring caps from the machine.



3. Use a 17mm wrench to remove the 4 top bolts from the machine.



4. Carefully lift the top cover away from the machine. Be sure to remove 4 spacer tubes and 2 flat brackets as shown.



5. Very carefully lift the blade roller assembly straight up from the machine and set on a flat piece of wood.



6. Use a bearing puller to remove the bearing housing as shown.



7. Use the bearing puller to remove the bearing from the blade shaft.



8. Use a marker to number the blade spacers for use during reassembly.



9. Place a flat punch against the spanner nut as shown.



- Very carefully hold the blade assembly and tap the punch with a hammer until the nut is loose. Note: This nut is standard thread, loosen by spinning counterclockwise.
- 11. Remove the spanner nut, washer, blades, and blade spacers from the shaft.



Reassembly

- **12.** Alternate placing new blades and blade spacers on the shaft in the order they came off starting with a blade.
- 13. Replace the spanner nut and tighten with the same method used to remove it.
- **14.** Thoroughly clean the mating surfaces between the bearing housing, bearing, and blade shaft. Lubricate each of these surfaces with a thin coat of grease.
- **15.** Set the bearing housing on a flat piece of wood with the bearing aligned on top of it. Use a rubber mallet to seat the bearing in the housing.



16. Carefully hold the blade shaft vertically on a piece of wood and align the bearing with the end of the shaft. Use a rubber mallet to seat the bearing on the shaft.



17. Very carefully set the upper blade roller into the machine. **Important:** Be sure the set screws are facing up as shown.



18. Set the top cover in place with 2 flat brackets 4 spacer tubes aligned under it. Insert 4 bolts through the holes in the top cover as shown and use a 17mm wrench to tighten.



19. Set the 2 sets of springs and spring caps in place over the set screws as shown with a small spring inside each large spring.



20. Screw 2 T-handle blots into the flat brackets as shown until the small springs below the roller are depressed. Tighten each bolt an additional quarter inch to set default spring tension.



Blade Alignment Adjustment

21. Use a 14mm wrench to loosen the locknuts and blade alignment bolts on each side of the machine as shown. Note: This is only necessary if the blades and cutting channels are misaligned.



- **22.** Move the top roller so the blades are centered in the cutting channels.
- **23.** Tighten each of the alignment bolts only until they touch the roller housings.
- 24. Back each bolt out a half turn to allow room for movement and then tighten each locknut.