



## ***UTILITY UNDERCUTTER INSTRUCTIONS***

### **ASSEMBLY:**

Insert the vertical post (41-9) into the slide (41-3). The "V"-slot in the post should be towards the top. Slide the Motor/Bracket Assembly onto the post and tighten the lock knob. Align the post to the centers (41-6) by clamping a straight edge such as a pocket rule or hacksaw blade under the saw retaining screw and line up on the centers. Once aligned, secure the post with the two set screws on the slide.

This unit has been completely assembled and checked during manufacture, and when properly reassembled the saw should be centered over the armature supports. If for some reason the saw is not centered, adjustment can be made by loosening the bolts which pass through the end angle plates and into the support rods. Move the rods and support assembly in the direction desired to realign the saw blade. Tighten the 4 bolts and double check the alignment.

### **UNDERCUTTING:**

Place an armature either in the V's of the center support or between the centers (41-6) if the armature shaft is countersunk. Line up the saw with a mica strip at the riser end of the commutator and set the rear shaft collar (No. 7) to limit the rearward travel of the slide.

A front collar is provided if it is desirable to keep the saw from overrunning the front of the commutator.

The height of the head and depth of the cut are controlled by the collar (41-10) on the motor support post. Turn the screw to the middle of its travel, tighten the collar when it touches the head, then adjust the screw for the depth of cut. Use the knob to lock the head after adjustments are made.

Undercutting is done from the riser out. Line up the saw with a mica strip at the rear of the commutator. Pull the saw down gently into the mica and pull the Moto/Slide assembly forward thru the entire strip. Let up on the motor to allow it to lift up out of the commutator and push the Motor/Slide assembly back to the rear of the commutator. Index the armature to line up the next mica strip with the saw and continue as above.

### **MAINTENANCE:**

An occasional drop of oil on the motor Bushing/Bearing and a couple of drops of oil in the slide oil cup is all the maintenance which is required. If the undercutter is used quite a bit you may want to blow the dust out of the motor occasionally.



# MARTINDALE

## *Utility Undercutter Parts*

<b>Quantity</b>	<b>Description</b>	<b>Part No.</b>
1	Motor Assembly, 115V.	UTLU9A
1	Motor Assembly, 230V.	UTLU9B
1	Switch	UTLU900001
1	Switch Case	UTLU3
1	Knob	UTLU4
2	Collar, Shaft, 3/4"	UTLU2X570
1	Cord Assembly, Drop, 115V or 230V.	UTLU41251(A) or (B)
4	Knob, "T", 3/8"	UTLU996261
4	Screw, 3/8-16x3/4, Socket Hd., Cap	UTLU5
1	Pin, 1/8X3"	UTLU13
2	Knob, "T", 5/16"	UTLU996256
2	Screw, 5/16-18X3/8, Hollow Hd., Cap	UTLU14
1	Block, Motor	UTLU41A
1	Extension, Spindle	UTLU4115
2	Post, Center	UTLU412
1	Slide	UTLU413
1	Arm, Guide, Slide, (Pr.)	UTLU414
2	Rod, Slide, 5/8" x 24"	UTLU41558
1	Rod, Slide, 3/4" x 24"	UTLU41534
2	Center	UTLU416
1	Knob, Lock, V-4	UTLU418
1	Post, Vertical	UTLU419
1	Collar, Depth Adjusting	UTLU4110
1	Plate, End, (Pr.)	UTLU4111
1	Plate, Motor Pivot	UTLU4112A
1	Screw, Saw Retaining, 1/8", 5-40 Rt.H.	UTLU4113
2	Bushing, Slide, 7/8 x 3/4 x 3/4"	UTLUAA885