

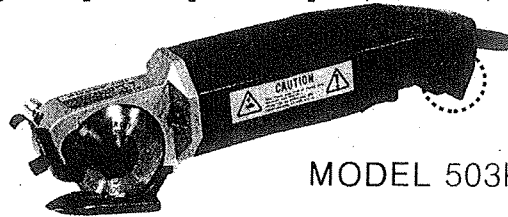
T U F F Y ELECTRIC HANDY CUTTER

MODEL 503K-2^{IN} CUTTER PARTS LISTS



DRIVING MECHANISM	MOTOR PARTS	HOLDER & ITS ACCESSORIES			
<p>SHARPENING MECHANISM</p>	<p>MICRON SYSTEM FEET</p>	<p>FRAME & SWITCH</p>			
<p>DRIVING MECHANISM</p> <ul style="list-style-type: none"> 400Z Gear Housing 450 Worm 452A Worm Wheel 500 Allen Screw 504 Knife Lock Screw 514 Fillister Head Screw 522 Screw for Knife Guard 600 Stepped Shaft 606 Shaft 608 Spacer 652 Ball Bearing 654 E Ring 656 Snap Ring 	<p>LUBRICATING MECHANISM</p> <ul style="list-style-type: none"> 516 Spring Pin 518 Spring Pin 520 Knife Guard 522 6 Sided Knife 524 Undulated Washer 526 Washer 528 Cover Plate <p>SHARPENING MECHANISM</p> <ul style="list-style-type: none"> 508 Stepped Screw 510 Flat Head Screw 528 Push Button 602 Stepped Shaft 620 Spring 	<p>MOTOR PARTS</p> <ul style="list-style-type: none"> 412 Insulator 416 Coupling 500 Allen Screw 758Z Carbon Brush Complete 762 Motor(110V)Complete 770 Motor(220V)Complete <p>LUBRICATING MECHANISM</p> <ul style="list-style-type: none"> 688Z Sharpening Stone-Medium 682 Spring 680 Oil Pad 	<p>MICRON SYSTEM FEET</p> <ul style="list-style-type: none"> 402 Base 501 Flat Head Screw 512 Screw for Base 516 Truss Head Screw 706 Cutting Tip(base) 719 Spring Plate <p>HOLDER & ITS ACCESSORIES</p> <ul style="list-style-type: none"> 410 Cord Cover 414 Holder 420 Grip 530 Flat Head Screw 	<p>FRAME & SWITCH</p> <ul style="list-style-type: none"> 407 Frame 409Z Switch Cover 502A Socket Screw 720A Spring Plate 	<p>KNIVES(Standard)</p> <ul style="list-style-type: none"> 700 6Sided Knife (Mounted with Cutter) 702 Round Knife (Included as Accessories) 703 8 Sided Knife (Option as Extra Accessories)

TUFFY HANDY CUTTER



MODEL 503K-2^{IN} CUTTER

The electric MINI CUTTER provides a most powerful and amazingly fastest cutting performance, having many distinguished features : namely, 1) Recessed sharp for visibility, 2) Double insulated motor, 3) One-touch sharpener, 4) Carbide stationary counter cutting blade, 5) built-in lubricator, 6) Light weight, 7) Different type of knives.

The following are the operating instructions for your CUTTER (all numbers given below refers to parts list on next pages.)

START TO OPERATE

Connect male plug to the electric power supply outlet of same voltage as shown on name plate. To operate CUTTER, press switch cover (409Z) and to release the switch cover, it will stop operate. The motor is double insulated (requires no grounding.)

CUTTING

Maximum cutting height is 8mm (5/16") depending on type of materials. Lays should not be higher than its height.

SHARPENING KNIFE

Lightly press the sharpener push button (528) just enough for sharpening stone (668Z) to grind the rotating knife (Don't press too hard because it will burr the knife.) You should keep knife always sharp for clean and accurate cutting.

LUBRICATION

- (a) Felt oiler (680) behind knife --- Requires oil only when cutting plastics or materials which is apt to adhere to knife.
- (b) Gear (450 & 452A) --- in case CUTTER uses daily, grease gears each week with grease (672) through bushing located in back of gear housing (400Z).
- (c) Motor ball bearings (652) --- Grease every 12 months in case CUTTER is in regular use. Remove old grease with cleaning fluid.

CHANGE KNIFE

Insert an allen key (674) into hole in knife. Unscrew knife lock screw (504) with coin. Tip over CUTTER and push out the knife with finger. Replace the worn knife and also the counter cutting blade (706), if necessary. Lock knife with lock screw and reset the oscillating oiler. To obtain clean cutting, requires counter cutting blade set at angle of 10° against to the knife --- to brush only the edge of the knife. When knife is worn down to about (42mm) (1-5/8"), it must be replaced.

CHANGE SHARPENING STONE

remove the knife, then loose stepped screw (508) to take out sharpening mechanism. Remove sharpening stone (688Z) from stepped shaft (602) by unscrewing flat head screw (510) and put in new sharpening stone. Remove compression spring (620) by unscrewing push button (528) on stepped shaft. Replace sharpening mechanism into gear housing (400Z), insert stepped screw through gear housing and into stepped shaft. Then replace compression spring and push button. To clean sharpening stone, simply use cleaning fluid and a brush to keep it clean.

CHANGE CARBON BRUSHES

Check carbon brushes (758) every 200 hours of use. Using allen key (674) remove the three socket screws (502A) from the frame (407). Slide off the frame. Then remove the brass screw from the exposed motor and replace the old carbon brushes with new ones.

MOTOR SPECIFICATIONS

VOLTAGE	CURRENT	HERTZ	AMPERE
100~120V	A.C.	50/60	0.5/0.6
220~240V	A.C.	50/60	0.25/0.3

Remarks : When ordering, indicate VOLTAGE & HERTZ of your country.

MAINTENANCE

- ① To maintain perfect cutting performance, replace the knife when the knife is worn down to about 42mm (1-5/8"). When the cutter is used with a worn knife, the cutting edge will make contact further back on the carbide counter cutting blade - this causes a loss of the scissor action almost all cutting action is lost.
- ② Operator should use care in operating the cutter without touching the air ventilation holes while using the cutter. Since it will cause the cutter to get excessively hot and may burn out the motor. The ventilation hole should be kept clean of lint or dirt at all times so that air can make the motor cool while in operation.