

KNIVES



6-SIDED KNIFE (M700)
for cutting of knit fabric, synthetics, thin leather, plastic sheet and any slippery material
(STANDARD ACCESSORIES)



ROUND KNIFE (M702)
for cutting of light to medium heavy weight of all type of fabrics and papers
(STANDARD ACCESSORIES)



8-SIDED KNIFE (M703)
for cutting of fiber glass, hard plastics and thick, slippery materials.
(OPTION ACCESSORIES)



ALSO AVAILABLE HEAT FREE TEFLON COATED KNIFE FOR ANTI-FRICTION

SYNCHRON SYSTEM BASE

[FOR MC-1015, MC-1015-LRH & HC-1015A]



COMPLETE BASE (M460A)
— recommendable for general cutting of fabric

UNSCREW (M548) and by removal of
BASE PLATE (M426A)



CUTTING FOOT (M424) with **COUNTER BLADE** assemblies (M550, 728 & 729A)



—Recommendable to apply for cutting of
① Plastic or synthetics and sharp angle of fabrics
② Also slitting of knit fabrics and coarse fabrics

MICRON SYSTEM FEET

[FOR MC-1017, MC-1017-LRH & HC-1017A]



BASE (M402) and **TIP (M706)** is good for general cutting operation of fabrics, plastics and synthetics.
(STANDARD)



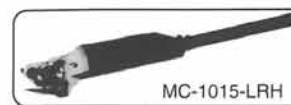
CUTTING GUIDE (M404) and **TIP (M714)** is recommendable for sharp angle cutting operation of fabrics, plastics and synthetics.
(OPTION)



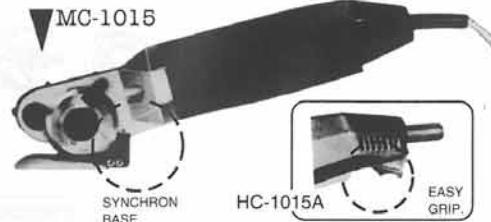
BALL POINTED CUTTING GUIDE (M405) and **TIP (M714)** is recommendable for slitting cut or general cutting operation of knit fabrics and other coarse woven fabrics.
(OPTION)

Suprena Mini-TUFF Cutter

INSTRUCTION MANUALS & PARTS LISTS



MC-1015-LRH



MC-1015

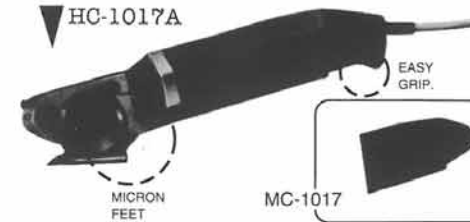
SYNCHRON BASE

HC-1015A

EASY GRIP.



MC-1017-LRH



HC-1017A

MICRON FEET

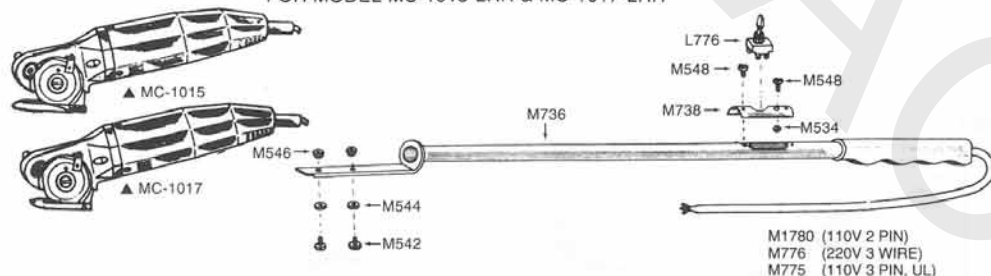
MC-1017

EASY GRIP.

LONG REACH HANDLE (LRH) MODEL

SPECIAL PARTS LISTS

FOR MODEL MC-1015-LRH & MC-1017-LRH



M534.....Nut
M542.....Fixing Screw
M544.....Washer
M546.....Nut

M548.....Screw
M736.....Long Reach Handle
M738.....Cover
M1780.....Cord (110V) 2 pin

M776.....Cord (220V) 3 wire
M775.....Cord (110V) 3 wire(UL)
L776.....Switch

MOTOR SPECIFICATIONS

VOLTAGE	CURRENT	HERTZ	AMPERE
100-110V	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

- 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.
- 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.

The electric **MINI TUFF CUTTER** provides a most powerful and amazingly fastest cutting performance, having many distinguished features; namely,
① Specially designed gear mechanism for the tough to cut materials ② Recessed sharp for total visibility, ③ Double insulated motor, ④ One-touch sharpener, ⑤ Carbide stationary counter cutting blade, ⑥ Felt padoller and Built-in lubricator, ⑦ Light weight, ⑧ Different type of knives and ⑨ SYNCHRON system (Model MC-1015 & HC-1015A) and MICRON system (Model MC-1017 & HC-1017A) cutting base.
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 (M408Z or M409Z) and to release the switch cover, it will stop operate.

The motor is double insulated (requires no grounding), therefore, it is equipped only with a 2-wire electric cord (M764). However upon request, will supply a 3-wire electric cord (M776-M775), to meet your specific electric regulations.

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 (M528) just enough for sharpening stone (M688Z) to grind the rotating knife. (Don't press to hard because it will burr the knife.) You should keep knife always sharp for clean and accurate cutting.

LUBRICATION:

- Felt oiler (M680) behind knife — Requires oil only when cutting plastics or the materials which is apt to adhere to knife.
- Gears (M1562-) — in case CUTTER uses daily, grease gears each week with grease (M672) through bushing located in back of gear housing (M1560Z)
- Ball bearings (M652 & M1569) — Grease every 12 months in case CUTTER is in regular use. Remove old grease with cleaning fluid.

CHANGE KNIFE:

Insert a pin into hole in knife. Unscrew knife lock screw (M504) with coin. Tip over CUTTER and push out the knife with finger. Replace the worn knife and also the counter cutting blade (M729A or M706), if necessary. Lock knife with knife 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 (M508) to take out sharpening mechanism. Remove sharpening stone (M688Z) from stepped shaft (M602) by unscrewing flat head screw (M510) and put in new sharpening stone. Remove compression spring (M602) by unscrewing push button (M528) on stepped shaft. Replace sharpening mechanism into gear housing (M1560Z) 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 (M758Z) every 200 hours of use. Using allen key (M674) remove the three socket screws (M502A) from the frame (M406 or M407). Slide off the frame. Then remove the brass screw from the exposed motor and replace the old carbon brushes with new ones.

CUTTING BASE:

- For SYNCHRON SYSTEM CUTTING BASE
Unscrew (M548) and remove the BASE PLATE (M426A), Then the CUTTING FOOT (M424) with COUNTER BLADE (M550, 728 & 729A) will handle the different type of materials.
- For MICRON SYSTEM CUTTING FEET
Remove the base (M402) by removing flat head screw (M501) that locks the base in place. Pull the base downward and off the pin.

AGENT :

Parts catalog #11.03. 1000MDOC

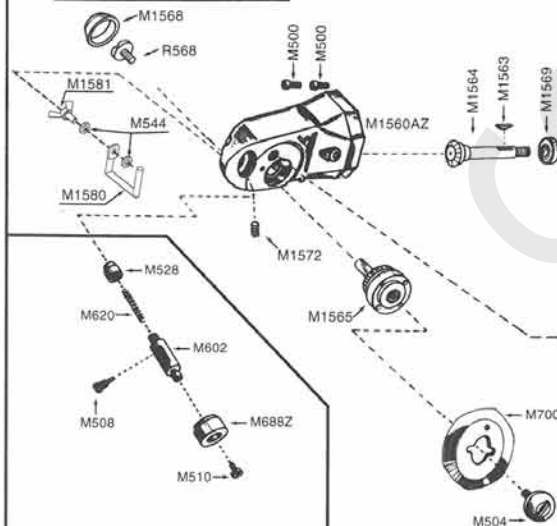


ELECTRIC Mini-TUFF Cutter (MODEL MC-1015 HC-1015A AND MC-1017 HC-1017A)

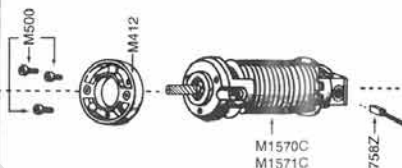
PARTS LISTS

Suprena®

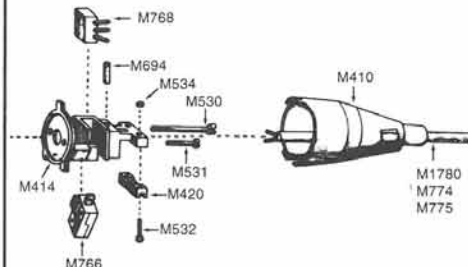
DRIVING MECHANISM



MOTOR PARTS

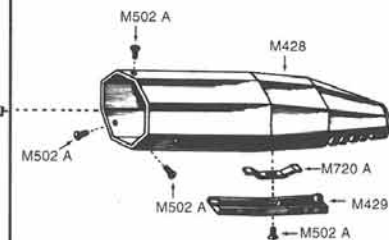


HOLDER & ITS ACCESSORIES



FRAME & SWITCH

FOR MODEL MC-1015/1015-LRH & MC-1017/1017-LRH

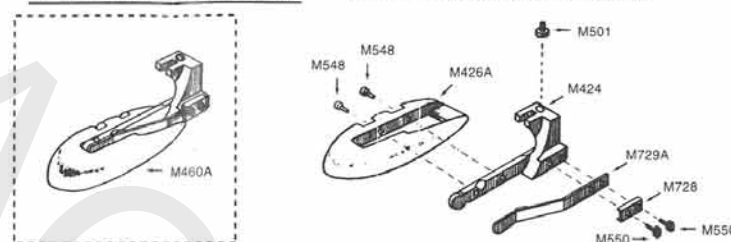


SHARPENING MECHANISM

LUBRICATING MECHANISM

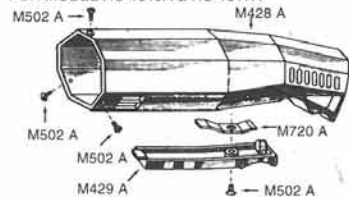
SYNCHRON SYSTEM BASE

[FOR MC-1015, MC-1015-LRH & HC-1015A]

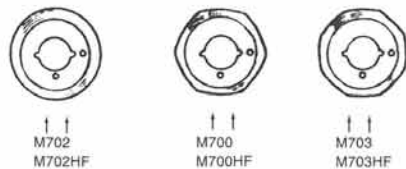


FRAME & SWITCH

FOR MODEL HC-1015A & HC-1017A



KNIVES

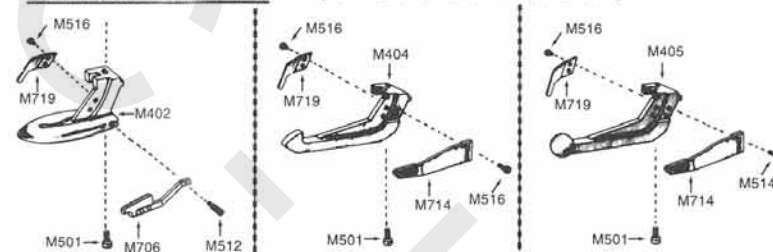


STABILIZER

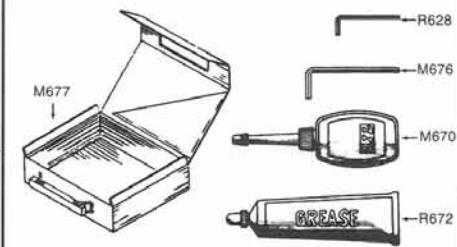


MICRON SYSTEM FEET

[FOR MC-1017, MC-1017-LRH & HC-1017A]



ACCESSORIES



DRIVING MECHANISM

M1581.....Wing Bolt
M504.....Knife Lock Screw
L515.....Nut
R568.....Flat Head Screw
M1572.....Set Screw
M608.....Spacer
L615.....Ball Bearing
M656.....Snap Ring
M700.....6-Sided Knife
M1560Z.....Gear Housing
M1562.....Helical Gear
M1563.....Key
M1564.....Driving Shaft
M1565.....Bevel Gear
M1568.....Busing
M1569.....Ball Bearing
S1109.....Washer
M1580.....Finger Guard
M544.....Washer

SHARPENING MECHANISM

M508.....Stepped Screw
M510.....Flat Head Screw
M528.....Push Button
M602.....Stepped Shaft
M620.....Sping
M688Z.....Sharpening Stone

LUBRICATING MECHANISM

M616.....Spring
M680.....Oil Pad

MOTOR PARTS

M412.....Insulator
M500.....Allen Screw
M758Z.....Carbon Brush Complete
M1570C.....Motor (110V) Complete

M758Z.....Carbon Brush Complete
M1571C.....Motor (220V) Complete
M758Z.....Carbon Brush Complete

SYNCHRON SYSTEM BASE

[FOR MC-1015, MC-1015-LRH & HC-1015A]

M460A.....Complete Base
M424.....Cutting Foot
M426A.....Base Plate
M548.....Flat Head Screw
M550.....Flat Head Screw
M728.....Plate
M729A.....Counter Blade
M501.....Flat Head Screw

MICRON SYSTEM FEET

[FOR MC-1017, MC-1017-LRH & HC-1017A]

M402.....Base
M404.....Cutting Guide
M405.....Ball Pointed Cutting Guide
M501.....Flat Head Screw
M512.....Screw for Base
M514.....Fillister Head Screw
M516.....Truss Head Screw
M706.....Cutting Tip (base)
M714.....Cutting Tip (Guide)
M719.....Spring Plate

HODLER & ITS ACCESSORIES

M410.....Cord Cover
M414.....Holder
M420.....Crip

M503.....Flat Head Screw
M531.....Round Head Screw
M532.....Round Head Screw
M534.....Nut
M694.....Terminal
M1780.....Cord (110V) 2 pin
M776.....Cord (220V) 3 wire
M775.....Cord (110V) 3 pin (UL)
M766.....Micro Switch
M768.....Condenser

FRAME & SWITCH

M428.....Frame
(For MC-1015 and 1017)
M428A.....Frame
(For HC-1015A and 1017A)
M429.....Switch Cover
(For MC-1015 and 1017)

M429A.....Switch Cover
(For HC-1015A and 1017A)
M502A.....Socket Screw
M720A.....Spring Plate

ACCESSORIES

R628.....Small Allen Key
M670.....Oiler
R672.....Tube of Grease
M676.....Large Allen Key
M677.....Vinye Pouch

KNIVES (Standard)

M700.....6-Sided Knife
(Mounted with Cutter)
M702.....Round Knife
(Included as Accessories)

M703.....8-Sided Knife
(Option as Extra Accessories)

KNIVES (Heat Free Teflon)

M700HF.....6-Sided Knife
(Option)
M702HF.....Round Knife
(Option)
M703HF.....8-Sided Knife
(Option)

STABILIZER

For MC-1015/1017 & HC-1015A/1017A
MC1015-LRH/1017-LRH
M1573Z.....Stabilizer Complete
M1573.....Stabilizer
M533.....Allen Screw
S1094.....Washer
M535.....Allen Key