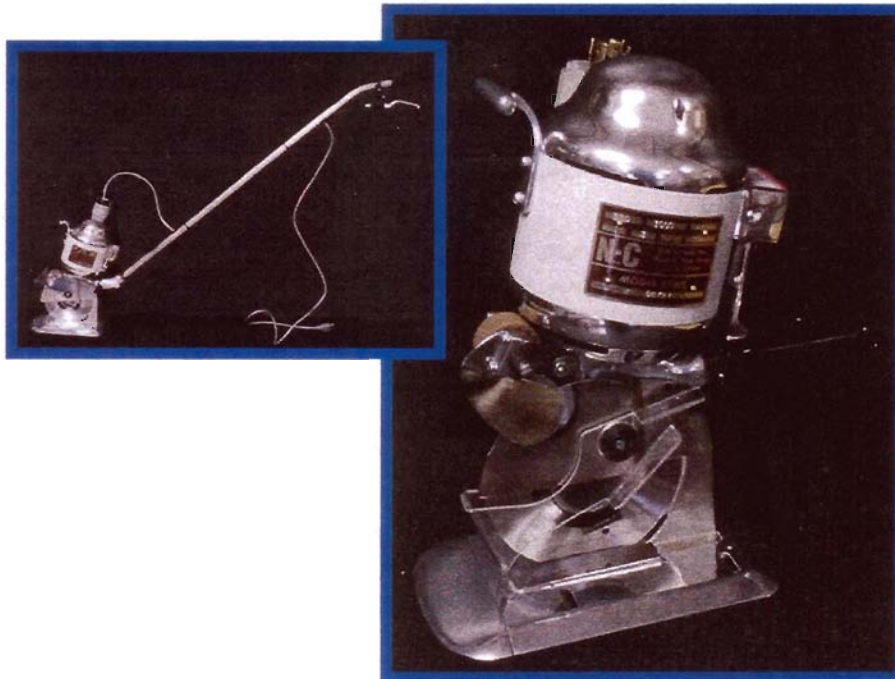


# Operating Instructions and Parts Catalog

Ultra Slim-Line Carpet Cutter

## WARNING

EXERCISE DUE CARE IN  
HANDLING THIS MACHINE  
TO PREVENT PERSONAL INJURY



## MODELS RSWS AND RSWSH

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## CIRCULAR KNIFE PARTS AND SERVICE MANUAL

### *SLIM-LINE CARPET CUTTER*

#### **WARNING**

This is a hazardous type of machinery and should be used with care. Always disconnect electrical connector before performing repairs, adjustments, or maintenance. Be sure machine is properly grounded. Never place hands or any part of your person in the path of the machine when it is in service. Keep the front guard as low as possible during operation and completely down when not in use. For personal safety the operator should remove all loose fitting jewelry, should not wear loose or baggy fitting clothing and persons with long hair should



#### **SAFETY**

**Read carefully before operating machine or attempting maintenance repairs or adjustments.**

1. Safety equipment has been designed to protect the operator. Never remove any safety features from machine for normal factory operating.
2. When transporting machine, lift by Lift Handle and Operating Handle.
3. For proper operation of machine, base of machine should be on a horizontal, flat, stable surface when operating.
4. Be sure all electrical machines are properly grounded.
5. When attempting maintenance, repairs, or adjustments always disconnect electrical connector.
6. Never place any part of your person between the guard and the blade or in front of the machine during its operation.
7. New and old blades are extremely sharp and can inflict personal injury. Exercise care during blade sharpening or blade removal operations.
8. Always turn off machine and disconnect electrical connector when attempting to dislodge objects from between guards, rollers or footplate and blade.
9. Never leave a machine unattended with its motor running.



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**Keep the machine clean and properly adjusted, as this will add to its life and efficiency. When ordering replacement parts be sure to give Part No., description and machine size.**

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### MOTOR ROTATION

Before placing three phase machines in service be sure the knife rotates in a counterclockwise direction when looking at the nameplate side of the machine. The rotation can be checked by a flash contact at the electrical connector with the switch turned on. To reverse direction, interchange two wires (not ground wire) at electrical connector. **CAUTION.** Should the machine be run in the wrong direction parts could unscrew and damage machine. Single phase machines always rotate in the proper direction.

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### LUBRICATION

The grease cup in the standard should be half filled with grease. Use only a good grade of cup grease. To oil sharpener journals, remove screw in end of bushing shaft and oil. Keep emery free from oil and grease. To do this, remove emery and rub wheels together until they show a good surface

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### TO SHARPEN KNIFE

It is most essential that a keen cutting edge be kept on the knife at all times, as this insures clean and easy cutting. To obtain this, the grinding wheels must be kept properly adjusted. Because of the wear of knife and emery wheels, it is necessary to adjust emeries toward the knife to avoid long bevel. Wheels must touch knife evenly. Adjustment is made by releasing screws clamping the threaded journals. The journals can then be turned to the proper position. Care should be taken that the emery wheels do not go too far down on knife. A good bevel of 1/8" makes a good cutting edge. Emeries must spin free at all times.

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### TO REMOVE KNIFE

To remove knife, place pin in hole through standard. Use knife wrench and turn knife nut to left. When knife wears, move toeplate back so that knife is about 1/16" from end of slot. Be sure to tighten screws that secure toeplate

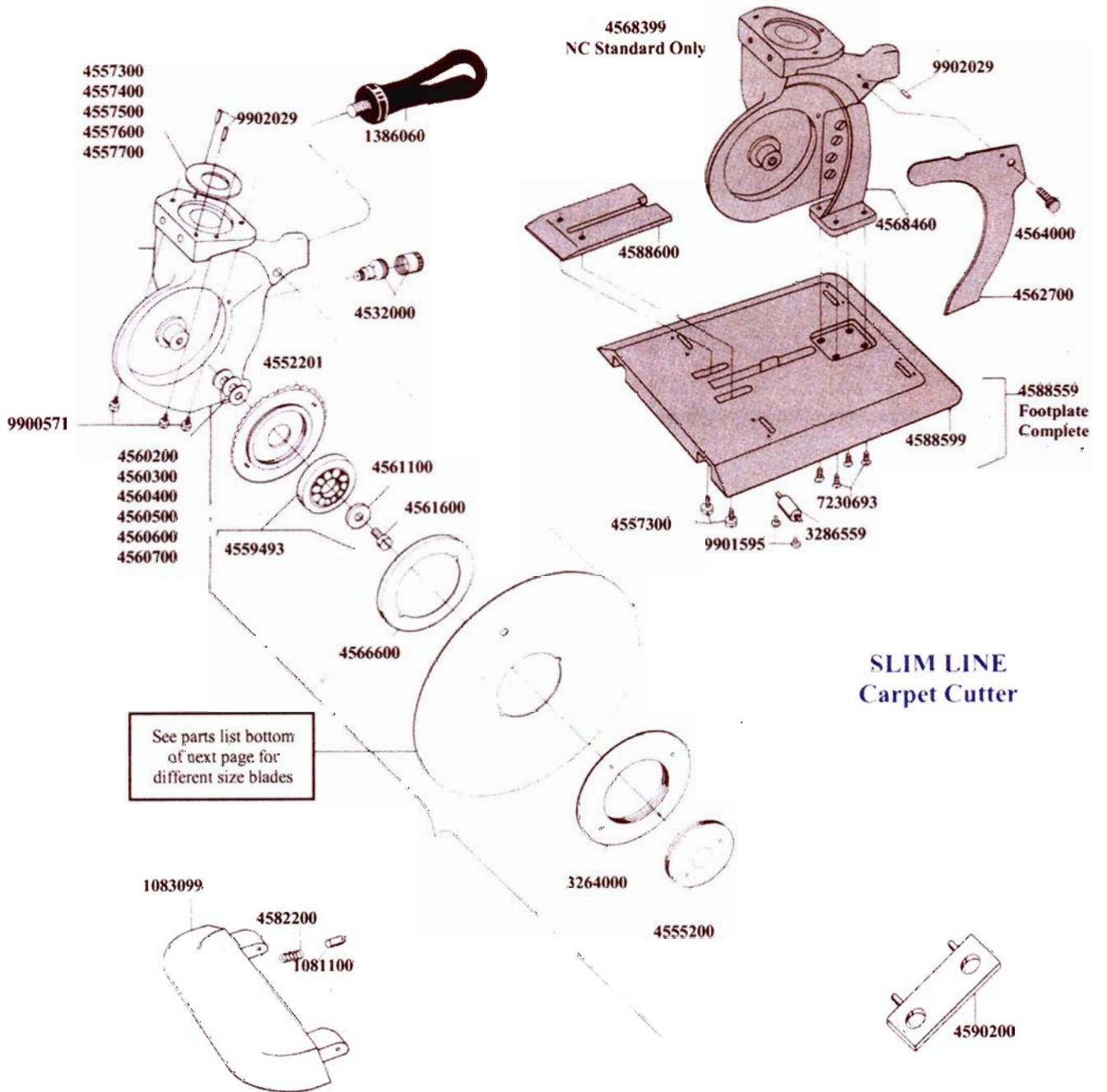
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### TO REMOVE GEAR

To remove knife gear, have knife on gear. Then put pin in knife and standard and loosen grease cap with pin wrench. Remove knife and cap. Then remove screw and washer. The gear can then be lifted off. Be sure not to lose any washers that may be under bearing, as they adjust the mesh of the gears. When replacing, be sure the screw and cap are tight.



# GEARS \* STANDARD \* BLADE \* BASE



**SLIM LINE  
Carpet Cutter**





## NUMBERS FOR GEARS, STANDARD & BASE

Part No.	Description	Quantity
1083099	Lifter Spring	1
3264000	Knife Nut 5 1/4" #24, 6", 7"	1
3286559	Roller Complete 7", 5 1/4" #24	1
4552201	Knife Gear 5 1/4", #24, 6" #18, 7" #19 (2" ID)	1
4555200	Bearing Locknut 5 1/4" #24, 6", 7"	1
4557300	Shim for Bottom Head Brg. (.001)	1
4557400	Shim for Bottom Head Brg. (.002)	1
4557500	Shim for Bottom Head Brg. (.003)	1
4557600	Shim for Bottom Head Brg. (.005)	1
4557700	Shim for Bottom Head Brg. (.010)	1
4559493	Knife Bearing 5 1/4" #24, 6" #18, 7" #19	1
4560200	Knife Gear Shim .001 5 1/4" #24, 6" #18	1
4560300	Knife Gear Shim .003 5 1/4" #24, 6" #18	1
4560400	Knife Gear Shim .005 5 1/4" #24, 6" #18	1
4560500	Knife Gear Shim .010 5 1/4" #24, 6" #18	1
4560600	Knife Gear Shim .032 5 1/4" #24, 6" #18	1
4560700	Knife Gear Shim .002 5 1/4" #24, 6" #18	1
4561000	Lockwasher 5 1/4" #21	1
4561100	Lockwasher 5 1/4" #24, 6"	1
4562700	Rear Knife Guard	1
4566600	Grease Shield 5 1/4" #24, 6"	1
4568399	Slim Line Standard	1
4568460	Slim Line Base S.A.	1
4588559	Footplate Complete - Slim Line	1
4588599	Footplate - Slim Line	1
4588600	Toe Plate - Slim Line	1
4590200	Pin Wrench 5 1/4" #24, 6"	1
7230693	Hardened Screw	3 or 4
9901595	Screw to secure Rollers	8
9902029	Roll Pin	3

### BLADES

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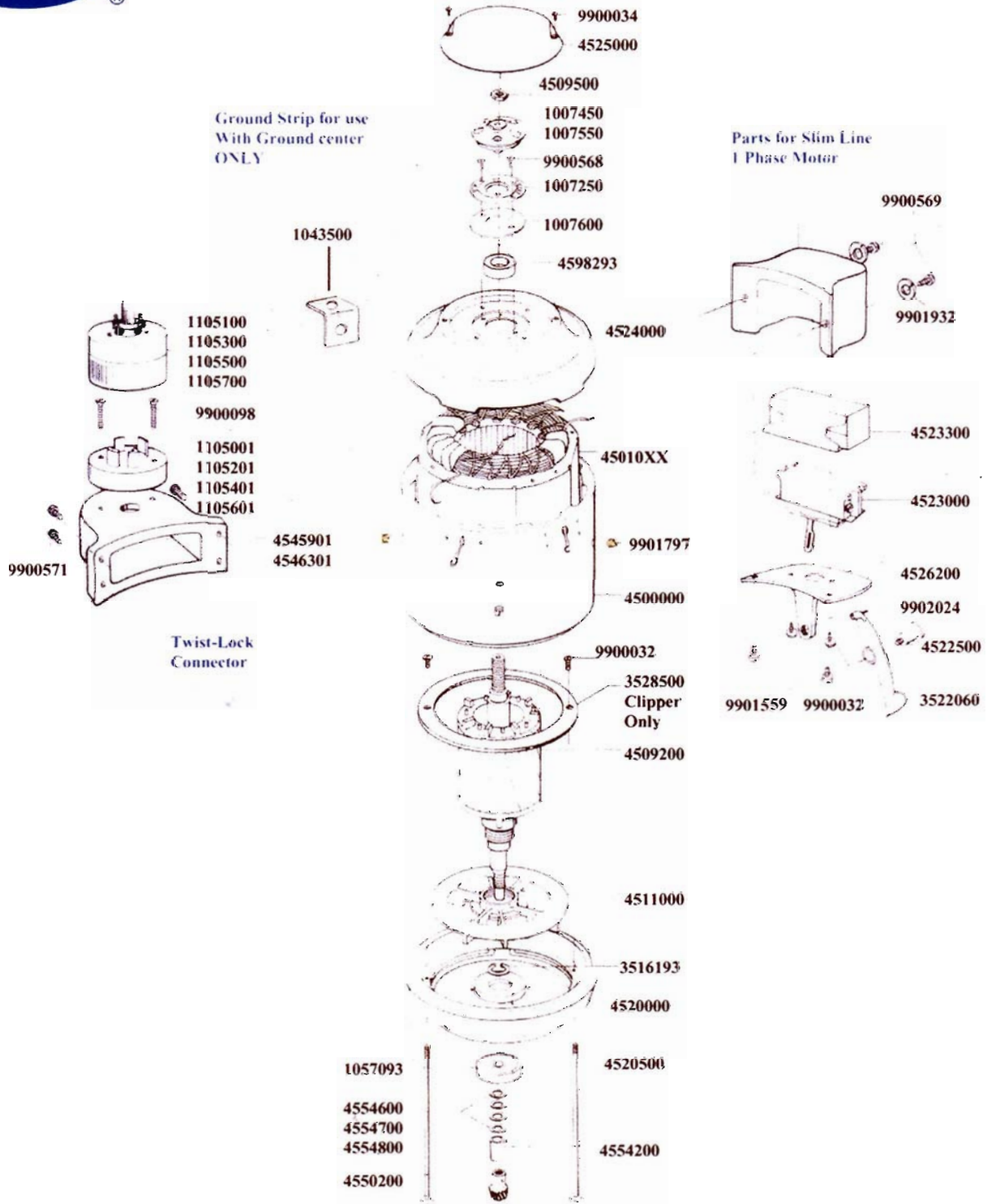
5 1/4" High Speed

1427371

6" High Speed



# MOTOR, ELECTRICAL PLUGS AND SWITCH





## NUMBERS FOR MOTOR, ELECTRICAL PLUGS AND SWITCH

Part No.	Description	Quantity
1007450	Outer Breaker 60 Cycle	1
1007550	Outer Breaker 50 Cycle	1
1043500	Ground Strap	1
1057093	Bottom Head Bearing	1
1105001	Male Twist Lock Plug (1 Ph., 110V)	1
1105100	Female Twist Lock Plug (1 Ph., 110V)	1
1105201	Male Twist Lock Plug (1 Ph., 220V)	1
1105300	Female Twist Lock Plug (1 Ph., 220V)	1
1105401	Male Twist Lock Plug (3 Ph., 220V)	1
1105500	Female Twist Lock Plug (3 Ph., 220V)	1
1105601	Male Twist Lock Plug (3 Ph., 440V)	1
1105700	Female Twist Lock Plug (3 Ph., 440V)	1
3516093	Bearing - Top Head	1
3522060	Switich Trigger	1
4500000	Motor Case	1
4501001	Stator 110/1/60	1
4501004	Stator 220/1/50	1
4501011	Stator 220-380/3/50-60	1
4509200	Rotor 5 1/4" #24 & 6	1
4509500	Nut	1
4511000	Fan	1
4520000	Bottom Head	1
4520500	Motor Bolt	4
4522500	Trigger Screw	1
4523000	Switch	1
4523300	Switch Insulator	1
4524000	Top Head	1
4525000	Cover	1
4526100	Switch Box	1
4526200	Switch Box Cover	1
4544000	Connection Box	1
4545901	Inlet Box Twist-Lock 1 Ph. Plug	1
4546301	Inlet Box Twist-Lock 3 Ph. Plug	1
4550200	Pinion Gear 5 1/4" #24, 6", 7"	1
4554200	Aligning Collar 5 1/4" #24 & 6	1
4554300	Aligning Collar 7"	1
4554600	Shim .001	1
4554700	Shim .003	1
4554800	Shim .005	1
4598293	Top Head Bearing	1
9900032	Screw to secure switch	2
9900034	Screw to secure Top Cover	2
9900098	Screw to secure Twist-Lock Plug	2 or 3
9900569	Screw to secure Switch Box	2
9900571	Screw to secure Conn. Box	2
9901559	Screw to secure Switch Box Cover	2
9901797	Set Screw	4



# *MODEL RSWS*

## Hand Model Carpet Cutter



This carpet cutter has an ultra slim line for fastest possible cutting. Only N-C's Ultra Slim-Line Carpet Cutter permits the blade to glide through any weight carpet, with any backing (especially high-density rubber), smoothly and with little resistance.

### FEATURES:

- \* 3/4 HP Motor
- \* Directly wired with twist-lock plug, eliminating constant terminal pin breakage
- \* Eliminates thick rug resistance
- \* No bucking. Operator makes straight, accurate cuts through heavy material
- \* 6" blade for longer-lasting blade life
- \* Sealed motor bearings for virtually grease-free operation
- \* All controls within fingertip reach
- \* Available in either 110/115V 60 cycle or 220/230V 50 cycle or 380/440V-50 cycle