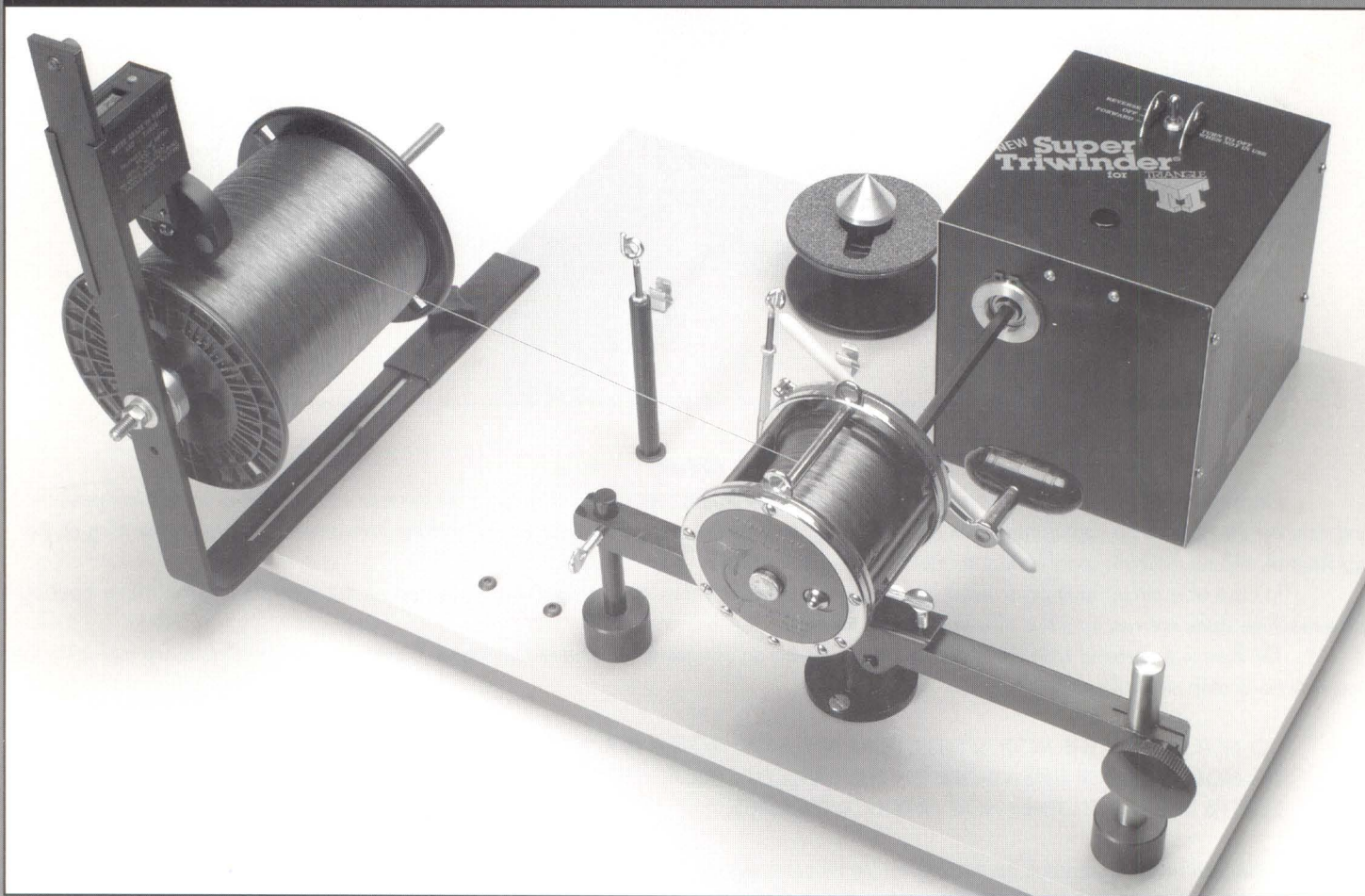
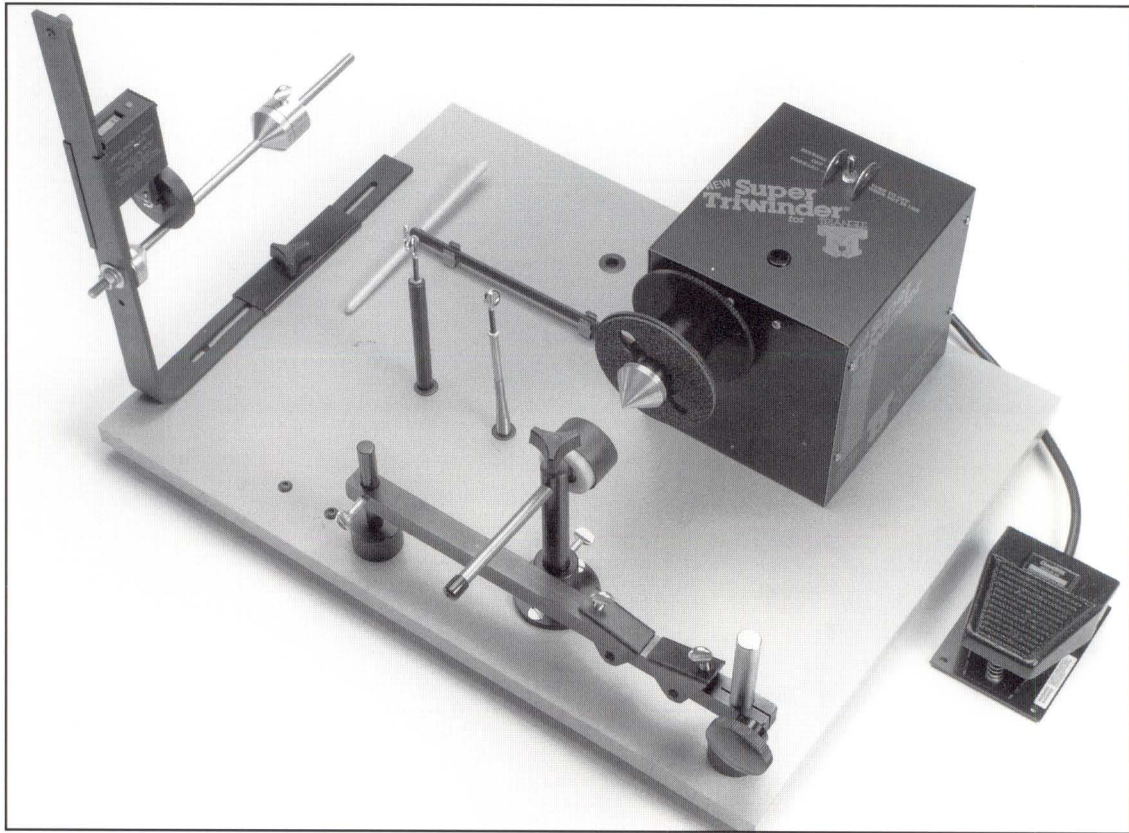


# ***New Super Triwinder Instruction Manual***



***Triangle Manufacturing Company, Inc.***





### SETUP

Place the SD40 linewinder on a solid table or surface with the foot speed control on the floor or mounted in a convenient position and connect the plug of the foot control into a 115 volt electrical outlet. Plug the motor housing of the linewinder into the female plug of the foot control. Mount the bulk spool holder to the base as shown in the photo.

In case of a circuit fault or an electrical short within the machine, an external fuse is located on the rear plate of the motor housing. If the machine does not run in either direction, check the fuse.

The fuse is a ceramic type and must be checked with an ohmmeter or a continuity tester. If these are not available, try replacing the fuse with an 8 amp slow blow type.

DO NOT SWITCH THE MOTOR DIRECTION WHILE THE MOTOR IS RUNNING.

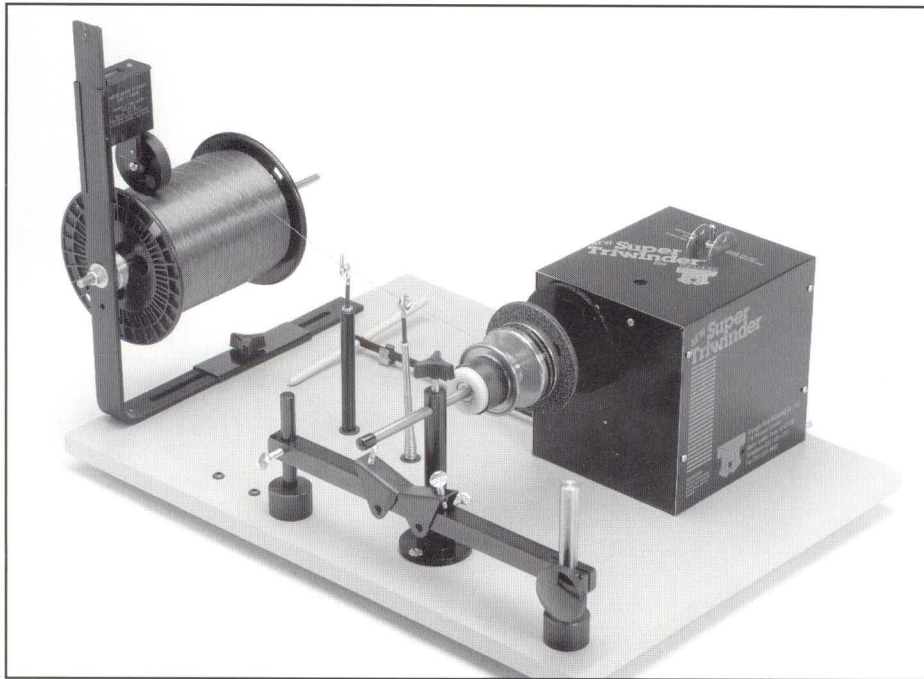
DO NOT RUN YOUR LINEWINDER ON THE SAME ELECTRICAL CIRCUIT AS A HEAT PRODUCING APPLIANCE, SUCH AS A COFFEE MAKER OR OTHER HEAT PRODUCING DEVICE.

If the fuse blows again call the factory for Technical Support at 201-825-1212.

### CAUTION

The SD40 linewinder is designed for safe operation. However, when operating this unit remember it is an electrical machine with moving parts. To avoid risk of personal injury, the following steps should be taken:

1. The foot control should be located so it is not accessible to anyone but the operator.
2. Proper foot control speed should be used for conventional and bait casting reels.
3. Limit the speed to avoid excessive vibration and damage. Spinning spools may be run at maximum speed if you desire.
4. While the unit is running and the T-bar is in use, do not touch the T-bar with your hands. Be sure loose clothing, ties and long hair are secured to ensure they cannot get caught in this unit and cause injury.
5. The unit should be turned to the **OFF** position when setting up for operation and when changing winding applications.



To work conveniently, lower the reel seat assembly as far as possible by loosening the knob and thumb screw found on the side of the assembly. Lower the reel bar assembly and tighten the knob and thumb screws on the clamp assemblies.

Insert the support arm assembly into the D-shaped hole of the support flange to assure alignment. Tighten thumb screws on the flange (p/n 2030).

Place the universal line stripper assembly in the motor output shaft. Center spool to be filled on the spring-action point of the universal line stripper assembly. Position any screw or other protrusion on the spool in the slots on the face of the universal line stripper assembly so the spool will lie flush on the cushioned face.

A center adapter is used for some skirted spools with large center holes. If needed, the center adapter slides over the existing center of the universal line stripper.

Push the horizontal arm of the Support Arm Assembly firmly and squarely against the center of the spool, wedging the spool against the spring action point of the universal line stripper assembly. Lock the spool in this position by tightening the thumb screw located at the top of the vertical post of the support arm assembly. Flip the Forward-Off-Reverse switch to the correct position. Most spinning reels should be wound in the forward position. However, not all spools wind in the same direction. The foot control allows you to check for proper alignment and direction of the spool. If you encounter excess wobble, check alignment of spool or tension on the bulk spool holder assembly.

Check to make sure that you have the Forward-Off-Reverse Toggle Switch set in the appropriate direction for the spool you are using.

Thread new line from the bulk spool. Tie the line directly from the bulk spool to the reel spool before engaging through the pigtails. Then place the line through the pigtails closest to the motor housing. NOTE: The pigtails are moveable. If you would like to use the pigtails for conventional reels, simply remove the black plugs from the base. Unscrew the spring post or long post and screw into the desired position.

Clear the digital meter by pressing the red meter reset button and begin winding. To ensure level feeding, manually shift the spring post located directly in front of the universal line stripper assembly, from left to right while winding.

When the spool is full, cut the line, loosen the thumb screw on the support arm assembly, draw back the horizontal arm, and remove the spool. Press the red meter reset button.

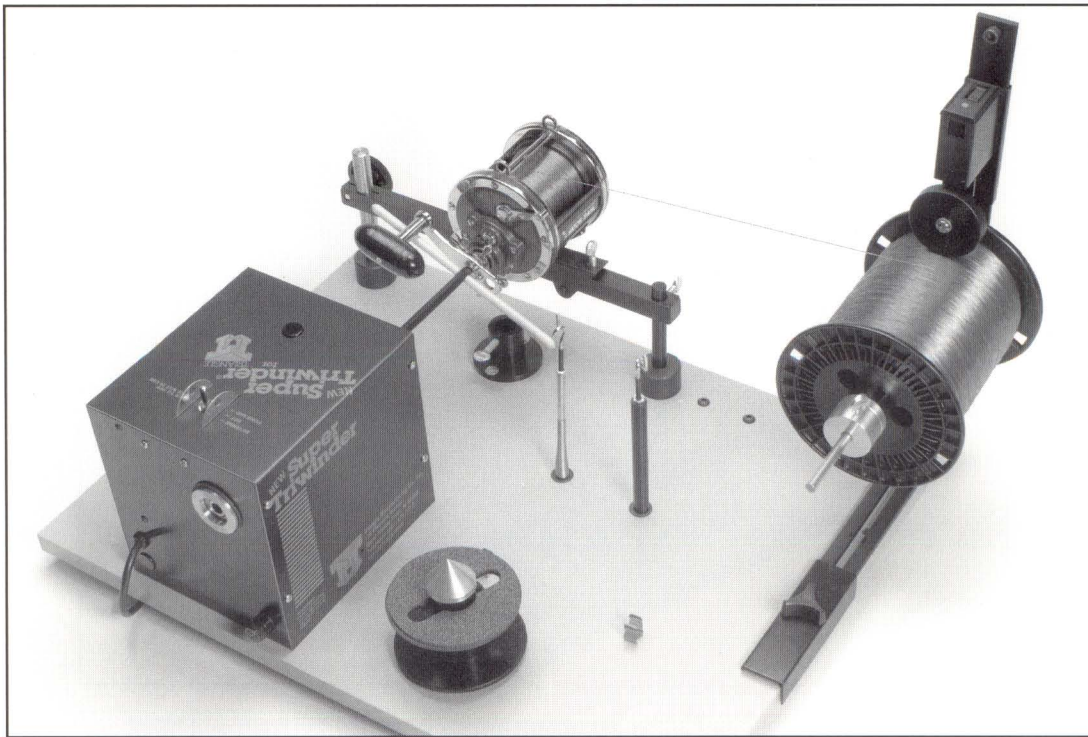
The same procedure is used for skirted spools. However, some deep skirted spools need the use of the center adapter to ensure proper engagement against the universal line stripper. Some ultra-light spools may require an adapter for centering. Call Triangle Manufacturing to order this option.

### OPERATING TIP

Due to the spool design of the various reel manufacturers, it is in some cases advantageous to reverse the spool and motor direction when spooling line (i.e. some skirted spool models, etc.).

You should advise your customers that you are NOT responsible for spools that break. You may wind line on any spool, metal or plastic, but neither Triangle nor you have any control over the condition of the spool to be wound.





**NOTE:** The lineguides are movable. Simply unscrew the spring post or long post. Remove the black plugs on the base. Screw the pigtails into the position you require.

- 1) Remove the support arm assembly by unscrewing the thumb screw on the support flange. Remove the universal line stripper assembly. Insert the T-Bar into the motor output shaft.
- 2) Loosen both thumb screws on the clamp assembly. Mount the reel to the reel seat assembly so that the center of the reel drive shaft is in line with the center of the T-bar. This can be checked by extending the T-Bar until it almost touches the reel.
- 3) The T-Bar should interlock with the retrieve handle on the reel. Raise or lower the reel bar assembly as necessary to get the proper alignment.
- 4) Once the reel is centered properly, position the front and rear clamps onto the reel foot and secure. Most reels should be wound in the reverse direction. However, not all reels wind in the same direction.
- 5) Set the direction and slowly depress the foot control to check for proper alignment.
- 6) Thread new line counter clockwise from the service spool. Tie the line directly from the bulk spool to the reel before engaging through the pigtails. Then place the line through the pigtails furthest from the motor housing.
- 7) Check the direction, clear the digital meter by pressing the red meter reset button, and begin winding. To ensure level feeding onto the spool, manually shift the spring post, located directly in front of the reel seat assembly, from left to right while winding.

## Mounting The Bulk Spool



The SD40 will accept most bulk spool sizes up to a 5lb. size.

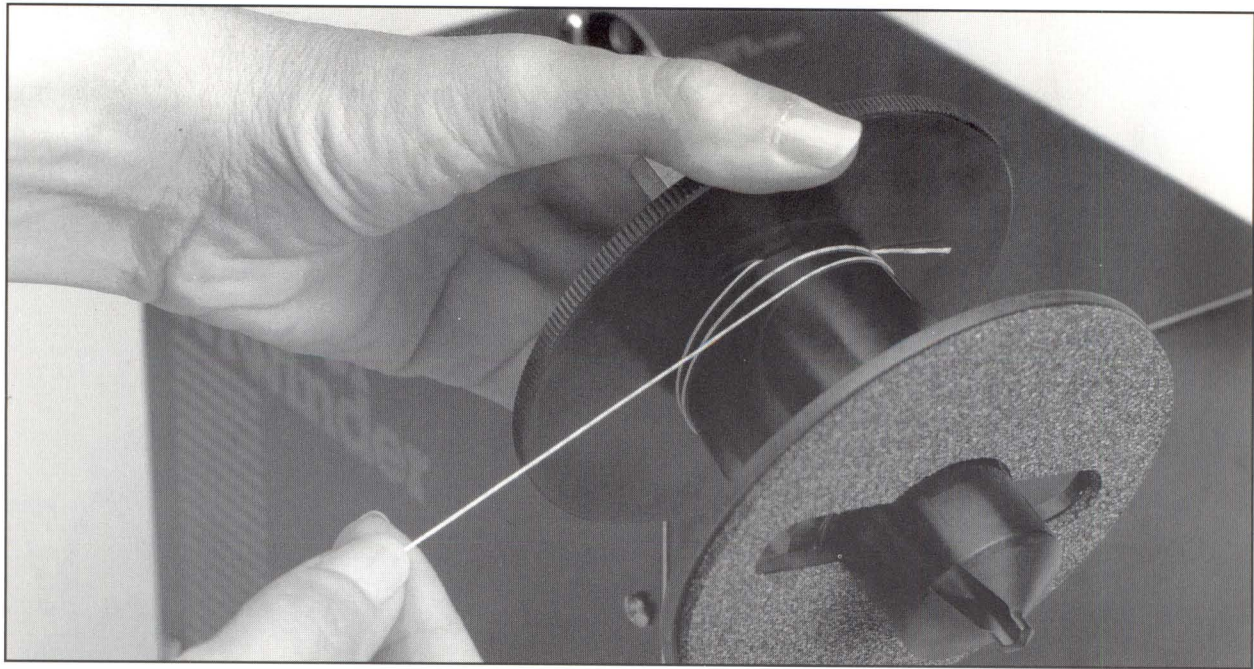
**NOTE:** The line should feed from the top when winding in reverse. The line feed should be from the bottom when winding in forward.

To mount the bulk spool, remove the locking sleeve, lift the digital meter assembly to the top of the bar and slide the bulk spool onto the bar. Replace the Locking sleeve. Allow the meter to rest on top of the bulk spool. Push the red button on top of the meter to reset the counter.

The bulk spool has no brake assembly. Any braking of the spool must be done by hand.

**NOTE:** To avoid injury, it is recommended that a glove be worn when using your hand for braking.





For stripping, conventional reels can be mounted on the reel seat assembly. Follow mounting instructions for Filling Conventional Casting Reels. The reel may also be hand-held for stripping.

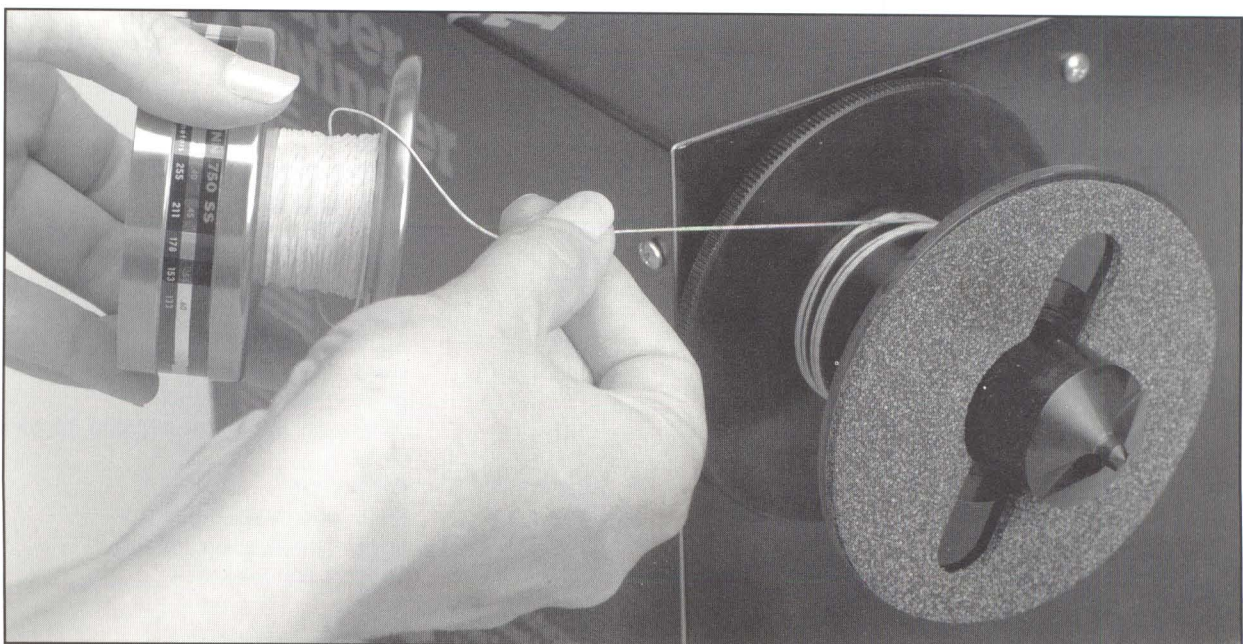
When hand-holding a reel or spool during stripping, **PROCEED CAUTIOUSLY** to avoid having it jerked from your hand when the end of the line is reached and to avoid injury to hands from line.

To remove old line, loosen the rear knurled plate of the line stripper spool a quarter turn. Insert the end of the old line and tighten plate to secure the line. Insert the universal line stripper assembly into the drive shaft of the motor housing. Secure the support arm against the line stripper. Set the direction and slowly press the foot control to check winding direction. Line will be traveling from mounted reel or spool or hand-held reel or spool and winding onto the universal line stripper spool. Begin line removal.

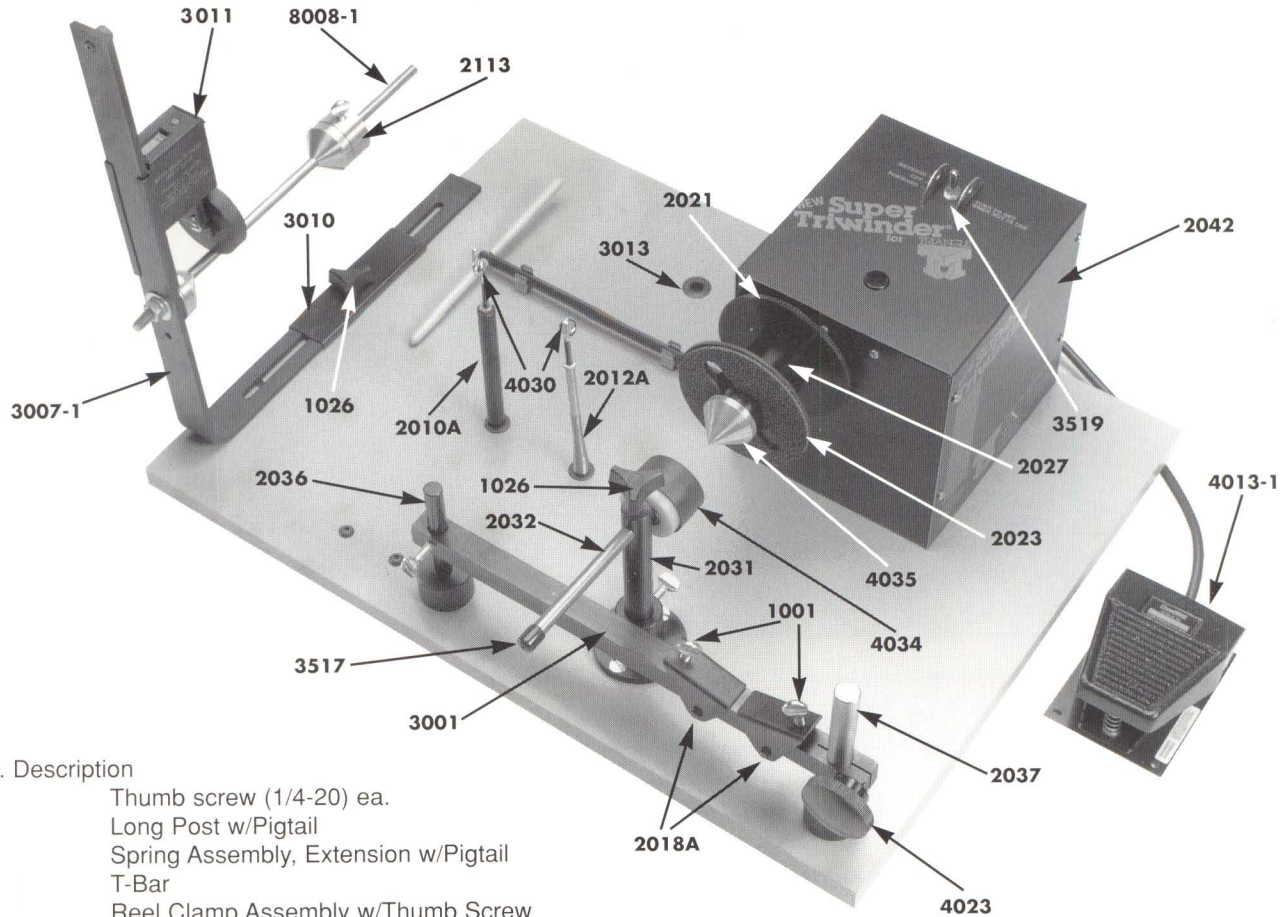
To allow easy line removal, wind the line on the universal line stripper assembly with very loose tension.

When all line is off the reel or spool, remove the rear knurled plate of the universal line stripper, remove the line from its tapered core. If very large reels are stripped, the capacity of the linestripper may be exceeded and it should be unloaded and the above procedure repeated as necessary.

**IMPORTANT:** When Stripping line, the line should be fed towards the front of the line stripper assembly and not towards the rear plate. Line buildup against the rear plate may create tension severe enough to prevent the removal of the rear plate, particularly when unwinding larger conventional reels. When stripping line, the support arm assembly should be engaged against the line stripper assembly.







Part No. Description

1001	Thumb screw (1/4-20) ea.		
2010A	Long Post w/Pigtail		
2012A	Spring Assembly, Extension w/Pigtail		
2015	T-Bar		
2018A	Reel Clamp Assembly w/Thumb Screw		
2021	Rear Plate, Line Stripper		
2022	Front Plate, Line Stripper		
2023	Friction Disc, Line Stripper		
2024	Support, Line Stripper	4021	Bearing, Drive Shaft
2025	Plunger, Line Stripper	4022	Bearing, Support Arm
2026(A)	Line Stripper Assembly	4023	Knob, Reel Bar
2027	Housing, Line Stripper	4025	Bumpers, Base
2028	Stud, Line Stripper	4030	Pigtail Line Guide
2030	Flange, Support Arm	4034	Cover, Rubber
2031	Post, Support Arm	4035	Center Adapter
2032	Shaft, Support Arm	4036(B)	Box Assembly
2033	Driver, Support Arm	4090	Small Pulley
2034	Stop, Support Arm	4091	Switch Guard
2036	Shaft, Short, Reel Bar	3508	Rectifier
2037	Shaft, Long, Reel Bar	2047	Hole Plug, Motor Housing
2040	Drive Shaft, Motor Housing	3509	Bearing Bushing
2042	Cover, Motor Housing	3511	Stud, Line Guides
2046-1	Top Plate, Motor Housing	3517	Caplug, Stop Support Arm
3001	Reel Bar	3518	Retaining Ring, Bearing Bushing
3007-1	L Bracket, Bulk Spool	3519	On/Off Switch
3009	T Nut	8009	Spindle, Service Spool
3010	Clamp, L- Bracket	2113	Collar, Service Spool
3011	Counter Assembly	4110	Bearing, Service Spool
3012	Fuse Clip (T- bar)	7137	Screw (#6 X 3/8 Sheet Metal), Motor Cover, set of 12
3013	Cap Plug		
4001-6	Motor	4013-1	Foot control
4005	Cord Set, Power	8008-1	Shaft, bulk spool holder
4019	Large Pulley	8010/A	Housing, bulk spool holder
4120	Timing Belt	2031A	Support arm assembly

## **SERVICE POLICY**

Spare and/or replacement parts for your SD-40 Triwinder should be ordered from  
**Triangle Manufacturing Company.**

A list of all such parts and part numbers is included on the previous page  
and these should be used when placing an order.

You will be advised of part(s) availability and current prices by mail.

Shipment of parts will be made only upon your authorization.

If you require service on your line winder, please contact

**Triangle Manufacturing Company, Inc.**

before returning your entire unit.

Very often, minor service can be handled by telephone,  
or only one part of your machine may need to be returned for service.

Please retain original shipping containers  
should shipment of the entire unit back to the factory be necessary.

## **LIMITED WARRANTY**

The Manufacturers obligation will be limited to 1 year and will include repairing or replacing any  
part of the product which, upon our examination, we determine to be defective. Such a warranty will  
not apply to defects which result from accidents, alterations, misuse, abuse, or normal wear.

Triangle Manufacturing Company, Inc.

116 Pleasant Avenue

Upper Saddle River, NJ 07458

Tel: 201/825-1212

Fax: 201/825-0402

Fax: 201/934-0646