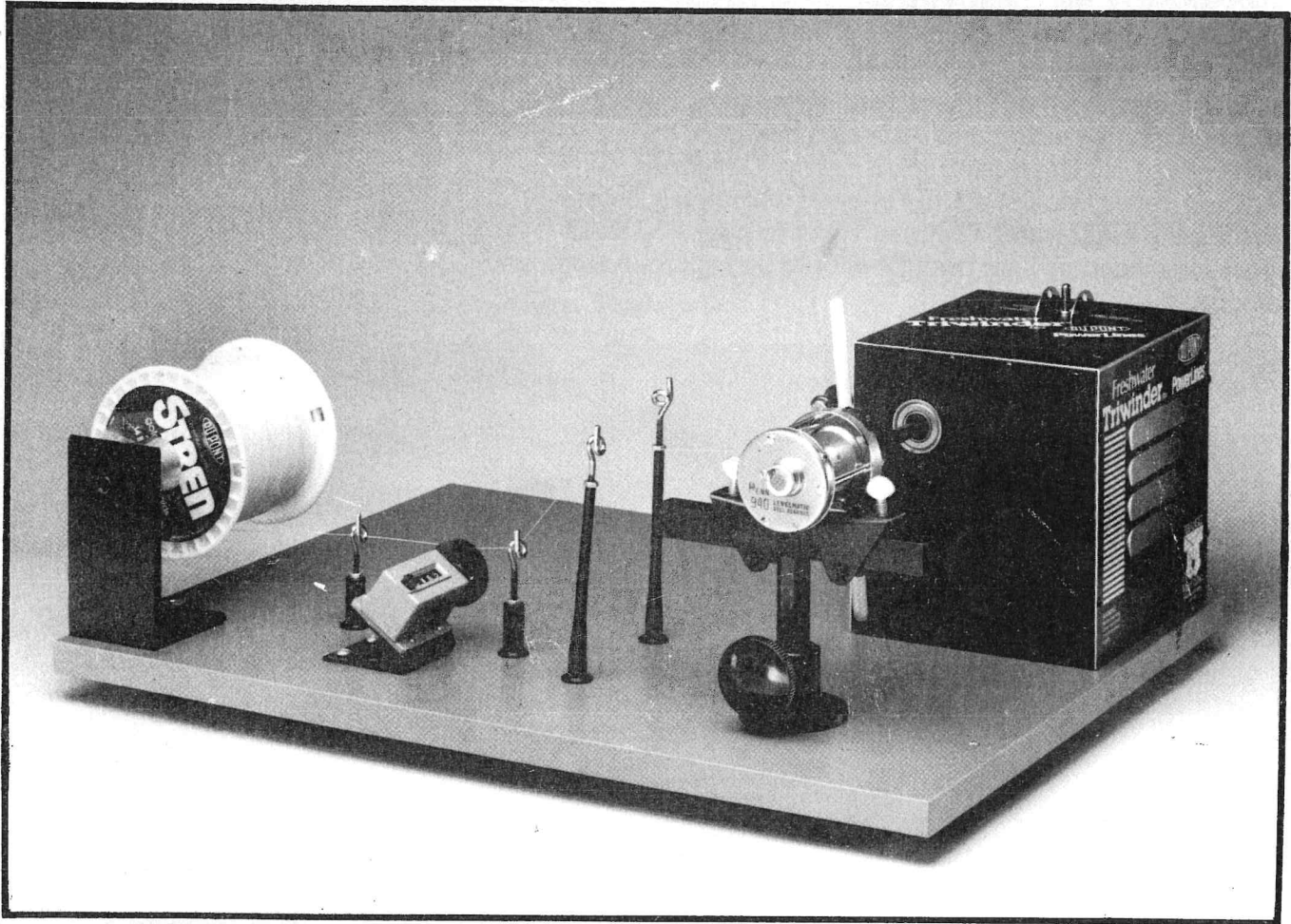


Operator's Manual For



PowerLines™

FRESHWATER TRIWINDERS

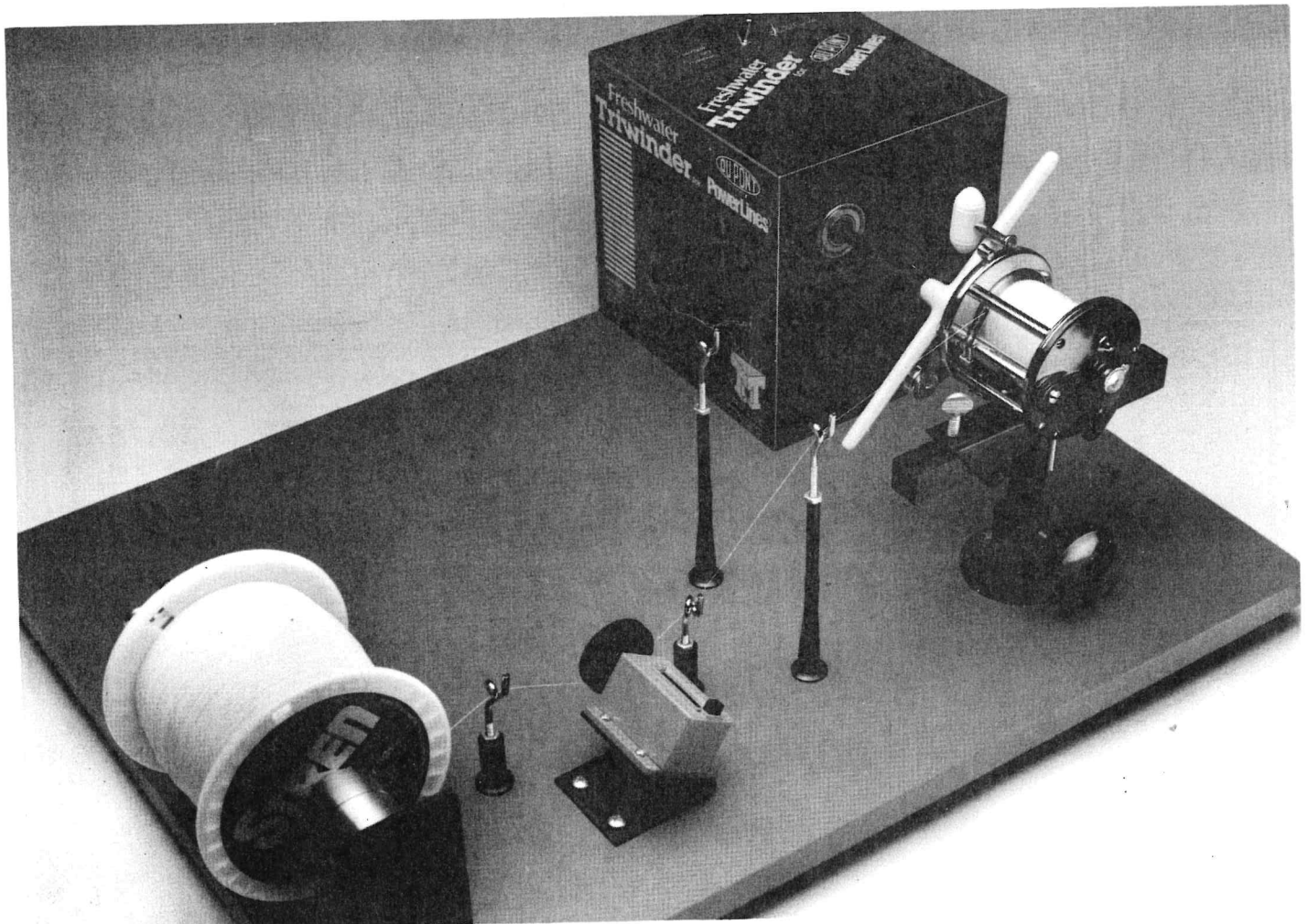
The Freshwater Triwinder is:

- * Recommended for filling spinning, baitcasting, and conventional reels up to 3/0.
- * Variable speed foot control.
- * One year guarantee.

All units are equipped with:

- * Horizontal service spool mounting.
- * Mechanical digital counter for line metering.
- * Forward and reverse control.

The Freshwater Triwinder will quickly and safely wind fishing line from a service spool onto spinning reel spools and conventional casting reels. It is also designed to remove (strip) old line from a spool or reel. Directions contained in this booklet should be read completely before operating the Freshwater Triwinder. Refer to pages 12 to 13 for Part Identification. This booklet should be kept for future reference.



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New Jersey residents: Upon receipt of your Freshwater Triwinder you must notify your local New Jersey Weights and Measures Superintendent to arrange for approval and stamping accordingly.



REG. U.S. PAT. & TM. OFF.

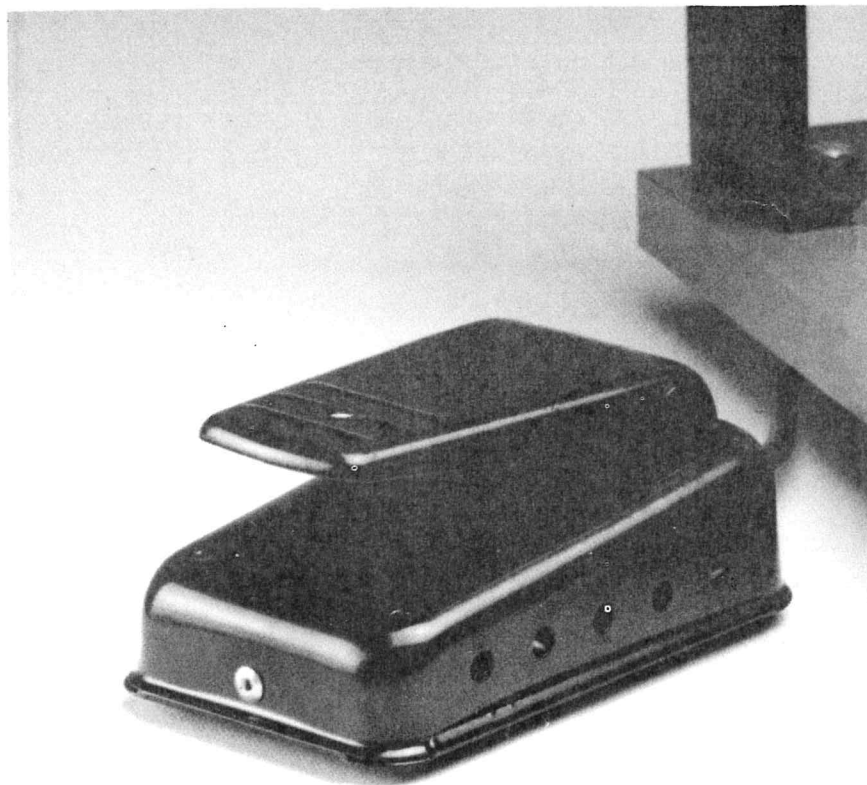
PowerLinesTM

SAFE AND EASY OPERATION

Place the **Freshwater Triwinder** on a solid table or surface with the **FOOT SPEED CONTROL** on the floor or mounted in a convenient position and connect the plug to a 110 volt/60 cycle electrical outlet.

On top of the **MOTOR HOUSING COVER** is a three-position toggle switch that controls direction and provides an on-off switch. When the unit is not in use, this switch should be put in the **OFF** position to prevent accidental machine operation.

In case of circuit fault or short within the machine, an internal fuse is located under the **MOTOR HOUSING COVER** on the electronic **CONTROLLER** of the **Freshwater Triwinder**. This fuse is for circuit protection and is not used as overload protection for the motor. In the event this fuse should open, disconnect power to the **Triwinder** and remove the **MOTOR HOUSING COVER**. Check for shorted wires or foreign objects. Replace the fuse with a **2-AMP 3AG** fuse. Replace the **MOTOR HOUSING COVER** before connecting power. If the fuse opens again, return the **Triwinder** for factory maintenance.



Operating Tip

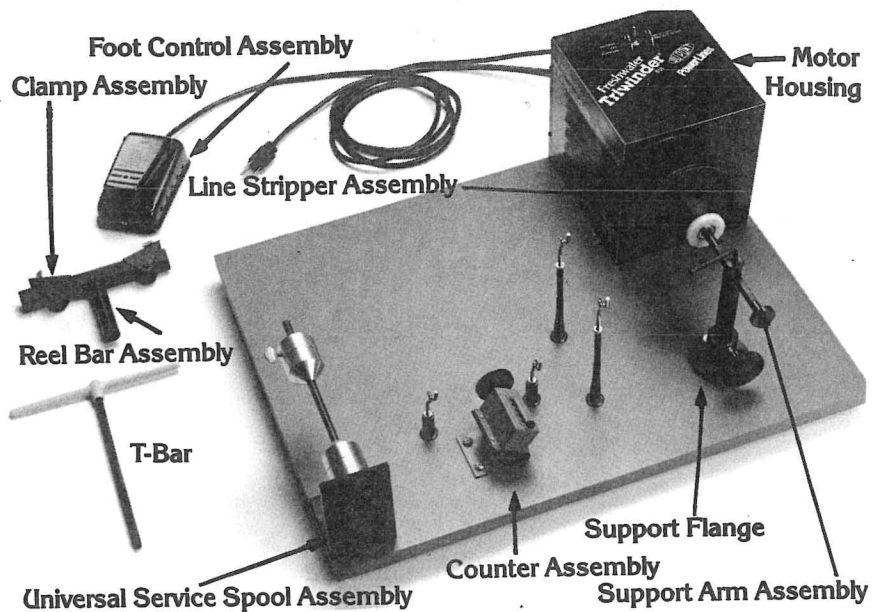
Do not switch the motor direction while the motor is running. Do not run your linewinder on the same electrical circuit as a heat producing appliance, such as a coffee maker or a heat shrink machine.

FOOT SPEED CONTROL on the floor for foot operation.

SET UP

The detached parts you will need to operate the Freshwater Triwinder are the:

- * UNIVERSAL LINE STRIPPER ASSEMBLY (P/N 2026A) which is inserted into the DRIVE SHAFT of the MOTOR HOUSING.
- * SUPPORT ARM ASSEMBLY (P/N 2031A) which is inserted into the SUPPORT FLANGE on the base of the TRIWINDER.
- * T-BAR (P/N 2015A) which is inserted into the DRIVE SHAFT of the MOTOR HOUSING when winding conventional reels.
- * REEL BAR ASSEMBLY (P/N 2138A) which is inserted in the SUPPORT FLANGE on the base of the TRIWINDER for winding FLY REELS AND CONVENTIONAL REELS.



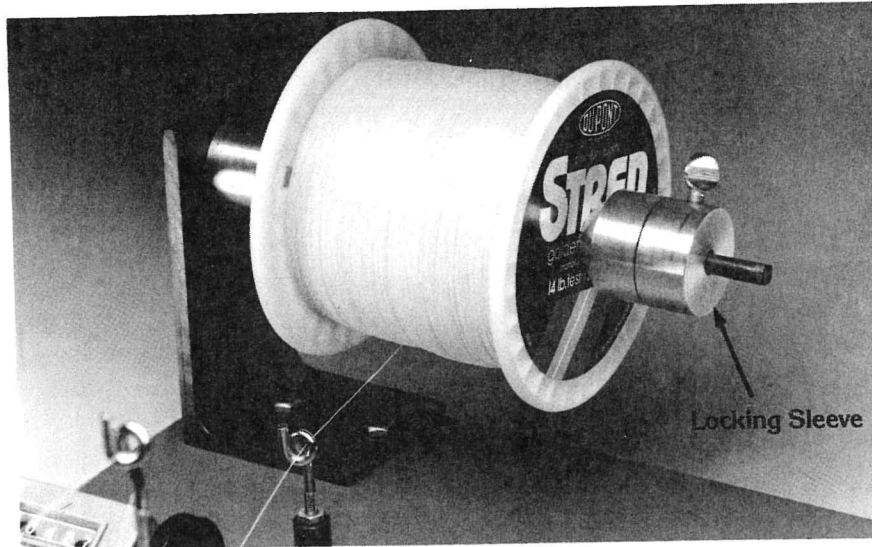
CAUTION

The **FRESHWATER TRIWINDER** is based for safe operation. However, when operating this unit **REMEMBER IT IS AN ELECTRICAL MACHINE WITH MOVING PARTS.**

To avoid the 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. While the unit is running and **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 insure they cannot get caught in this unit and cause injury.
3. The unit should be turned to the **OFF** position when setting up for operation and when changing winding applications.
4. Before changing directions of this unit be sure the machine is completely stopped.
5. Should fishing line become entangled at the **COUNTER PULLEY**, keep fingers away from the **PULLEY** until the unit is switched to the **OFF** position.

THE SERVICE SPOOL ASSEMBLY



OPERATING TIP

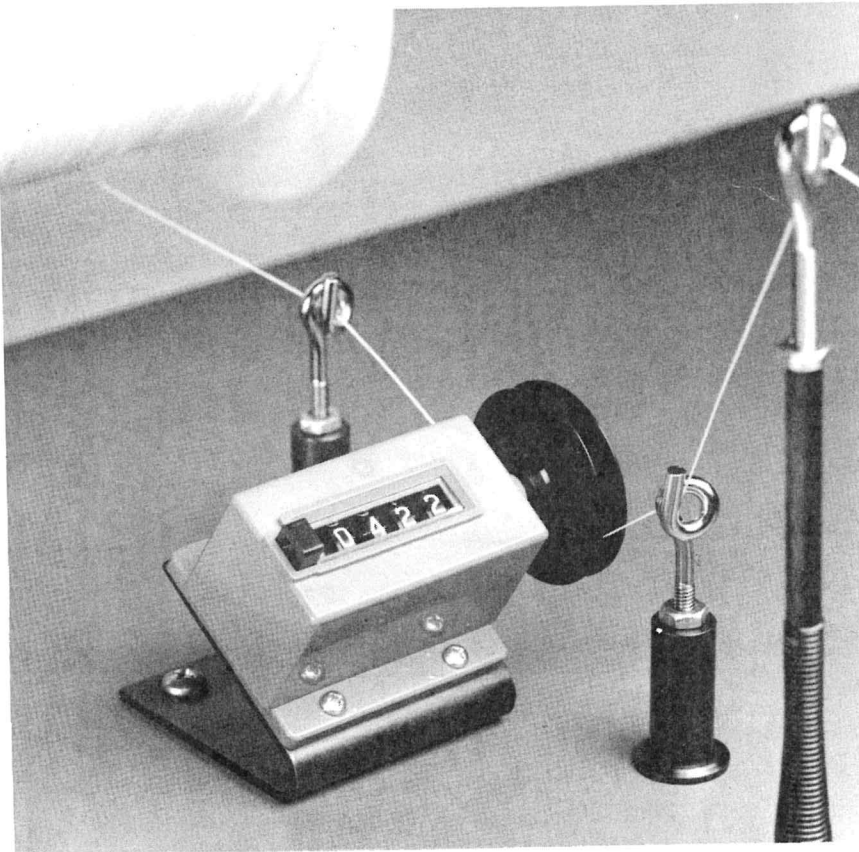
When spooling lightline (2 to 8 lbs.) the line should be spooled with a minimum amount of tension and the use of backing material, such as Dacron or other supple type material, is suggested.

The SERVICE SPOOL SHAFT accepts PRIME®PLUS, STREN, STREN CLASS or MAGNA-THIN service spools, maxi-pak or reel-fill paks.

Remove the LOCKING SLEEVE and slide the LINE SPOOL onto the SHAFT, centering the SPOOL on the inside spindle. Replace the LOCKING SLEEVE again centering the spool on the LOCKING SLEEVE SPINDLE and tighten the thumbscrew.

The SPOOL is freewheeling and tension must be applied by the operator for winding and to prevent over-run. When placing SERVICE SPOOL on the SHAFT, the line must come from under the SPOOL, not over the top.

MEASURING LINE



The FRESHWATER TRIWINDER is equipped with a digital mechanical COUNTER which measures line by yard. However, the first digit represents 1/10 of a yard. Therefore one yard is actually shown as number 10 on the counter display. Tie the line directly from the service pool to the reel spool before engaging through the pigtails or around the counter pulley. Place the line through the pigtails on the short posts and around the counter pulley for one full revolution. Then place the line through the appropriate spring post. The line should now be wound for a few revolutions around the reel spool. At this time, the counter should be reset by pressing the counter reset button. Refer to threading instructions for FILLING SPINNING REEL SPOOLS and FILLING CONVENTIONAL REELS for more details.

FILLING SPINNING REEL SPOOLS

Insert the SUPPORT ARM ASSEMBLY into the D-shaped hole of the SUPPORT FLANGE to assure alignment. Tighten knob on SUPPORT FLANGE.

Place the UNIVERSAL LINE STRIPPER ASSEMBLY in the motor output shaft. Center spool to be filled on the spring-action point on the UNIVERSAL LINE STRIPPER. 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 (P/N 4035) is used for some skirted spools with large center holes. If needed, the CENTER ADAPTER slides over the existing center on the UNIVERSAL LINE STRIPPER.

Push the horizontal arm of the SUPPORT ARM ASSEMBLY firmly and squarely against the center of the spool wedging it against the spring-action point of the UNIVERSAL LINE STRIPPER ASSEMBLY. Lock the spool in this position by tightening the "L" SCREW located at the top of the horizontal arm of the SUPPORT ARM ASSEMBLY.

Flip the forward-off-reverse TOGGLE SWITCH to the desired direction. *ALL SPOOLS DO NOT WIND IN THE SAME DIRECTION.* The FOOT CONTROL allows you to control the speed. Slowly depress the FOOT CONTROL to check for proper alignment and direction of the spool. If you encounter excess wobble, check alignment of spool or tension on the SERVICE SPOOL SHAFT 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.

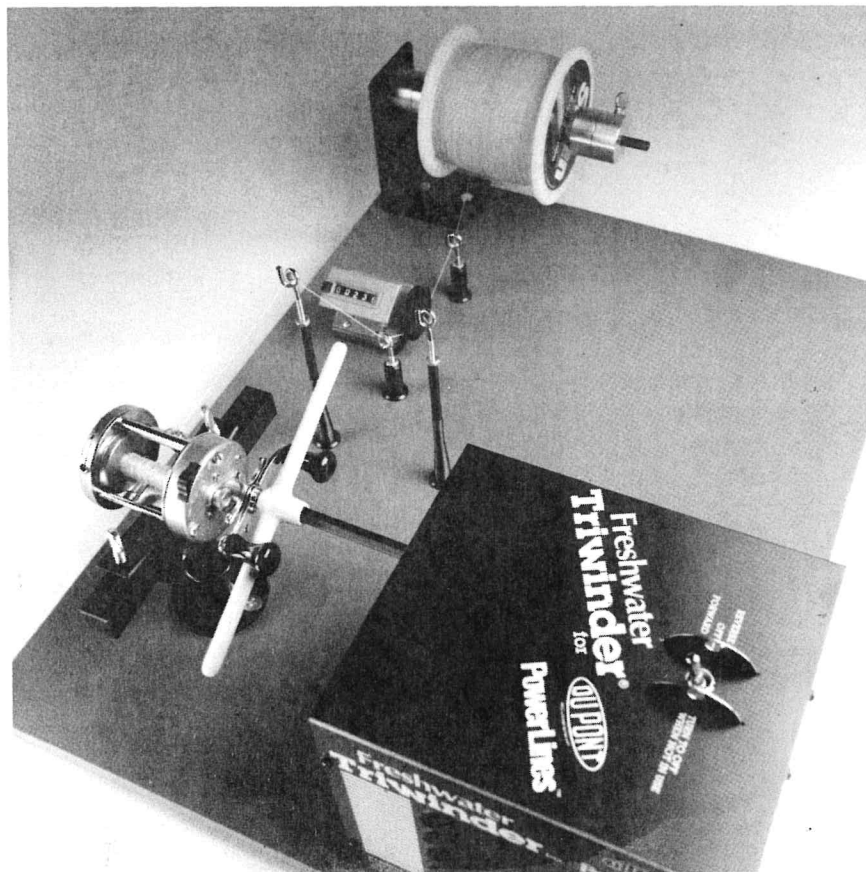
Thread new line counter-clockwise from service spool. Tie line directly from the source spool to the reel spool before engaging through the pigtails or around the counter pulley. Then place the line through:

1. The pigtail atop the first short post,
2. under, over, and around the counter pulley,
3. through the pigtail atop the next short post,
4. through the pigtail atop the spring post (near motor housing).

Clear COUNTER by pressing the COUNTER RESET BUTTON, and begin winding. To insure 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 "L" SCREW on the SUPPORT ARM ASSEMBLY, draw back the horizontal arm and remove spool. Press the COUNTER RESET BUTTON.

The same procedure is used for skirted spools. However, some deep-skirted spools need the use of the CENTER ADAPTER to insure proper engagement against the UNIVERSAL LINE STRIPPER.



OPERATING TIP

Due to the spool designs 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.)

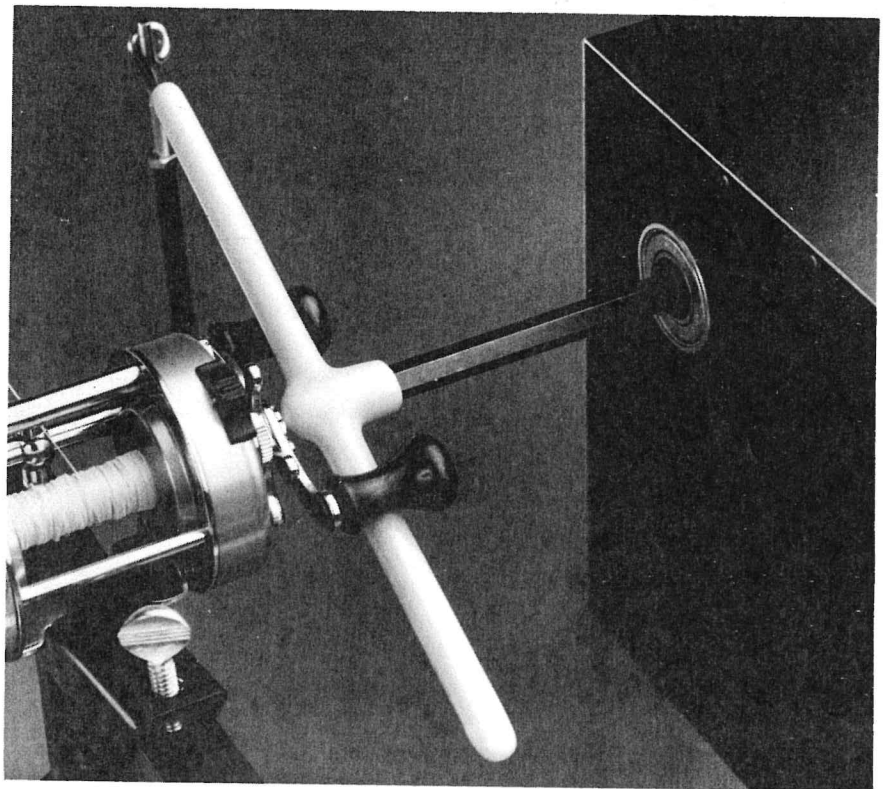
You might advise customers that you are NOT responsible for spools that break. You may wind line on any spools, metal or plastic, but neither we nor you have any control over the condition of the spool to be wound.

FILLING CONVENTIONAL CASTING REELS

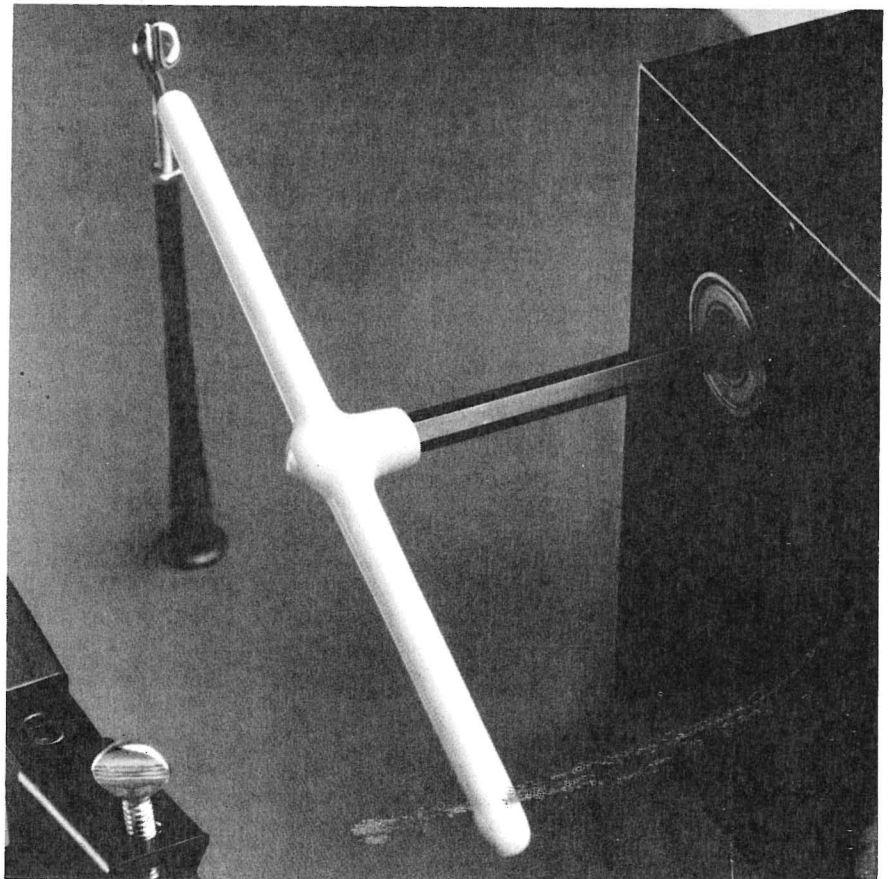
Remove the SUPPORT ARM ASSEMBLY by unscrewing the knob on the SUPPORT FLANGE. Remove the UNIVERSAL LINE STRIPPER ASSEMBLY. Insert the T-BAR into the motor output shaft. Insert the REEL BAR ASSEMBLY into the SUPPORT FLANGE.

Loosen both THUMB SCREWS on the CLAMP ASSEMBLY. Mount the reel to the REEL SEAT ASSEMBLY so that the center of the reel's 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.

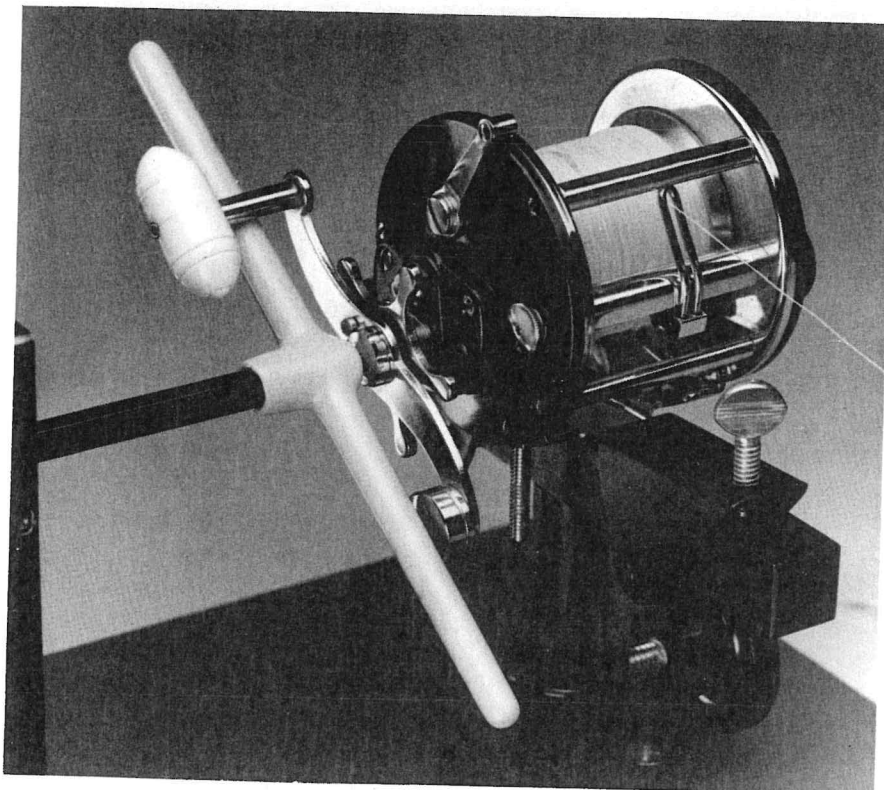
The T-BAR should interlock with the retrieve handle on the reel. Raise or lower the REEL SEAT ASSEMBLY as necessary to get the proper alignment.



T-BAR mounting for Freshwater Triwinder.



Conventional Reel mounted on a Freshwater Triwinder.



Alignment for Conventional Reel.

Once the reel is centered properly, position the front and rear clamps onto the reel foot and secure.

ALL REELS DO NOT WIND IN THE SAME DIRECTION. FOR LEFT HAND WIND REELS, WIND LINE IN REVERSE DIRECTION.

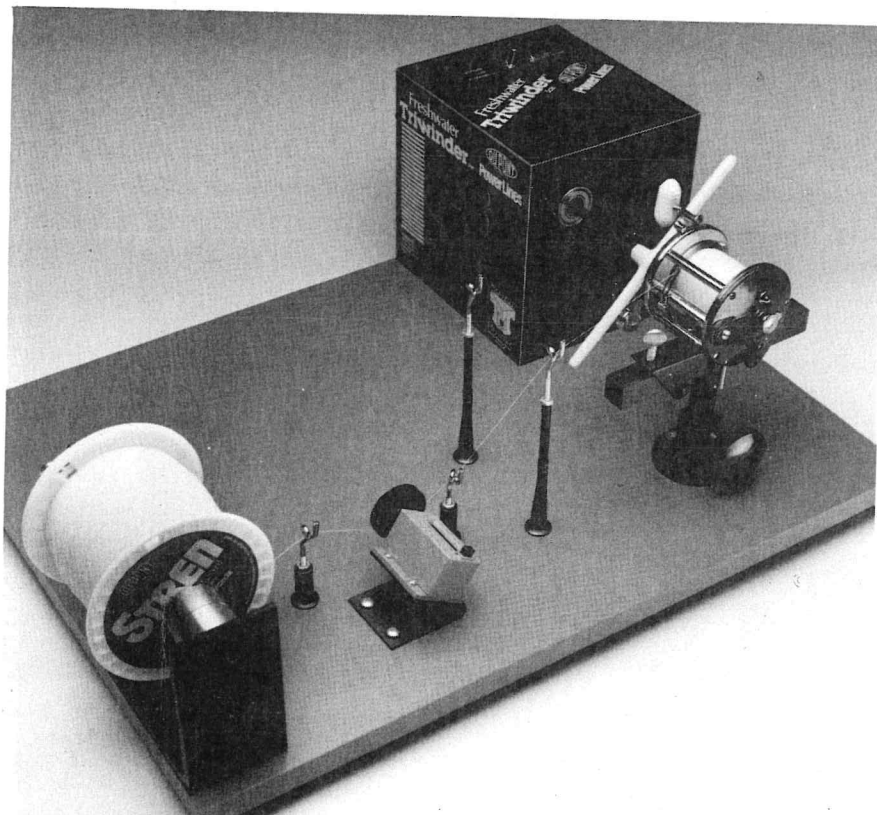
Set the direction and slowly depress the FOOT CONTROL to check for proper alignment. If vibrating occurs, recheck the alignment.

Thread new line counter-clockwise from service spool. Tie line directly from the service spool to the reel before engaging through the pigtails or around the counter pulley, then place the line through:

1. the pigtail atop the first short post,
2. under, over, and around the pulley,
3. through the pigtail atop the next short post,
4. through the pigtail atop the spring post.

Check direction, clear COUNTER by pressing the COUNTER RESET BUTTON, and begin winding. To insure 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.

When the reel is full, cut the line, loosen the THUMB SCREWS on the CLAMP ASSEMBLY, remove reel, tighten THUMB SCREWS. Remove T-BAR from motor output shaft. Refer to SAFE AND EASY OPERATION.



STRIPPING LINE

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.

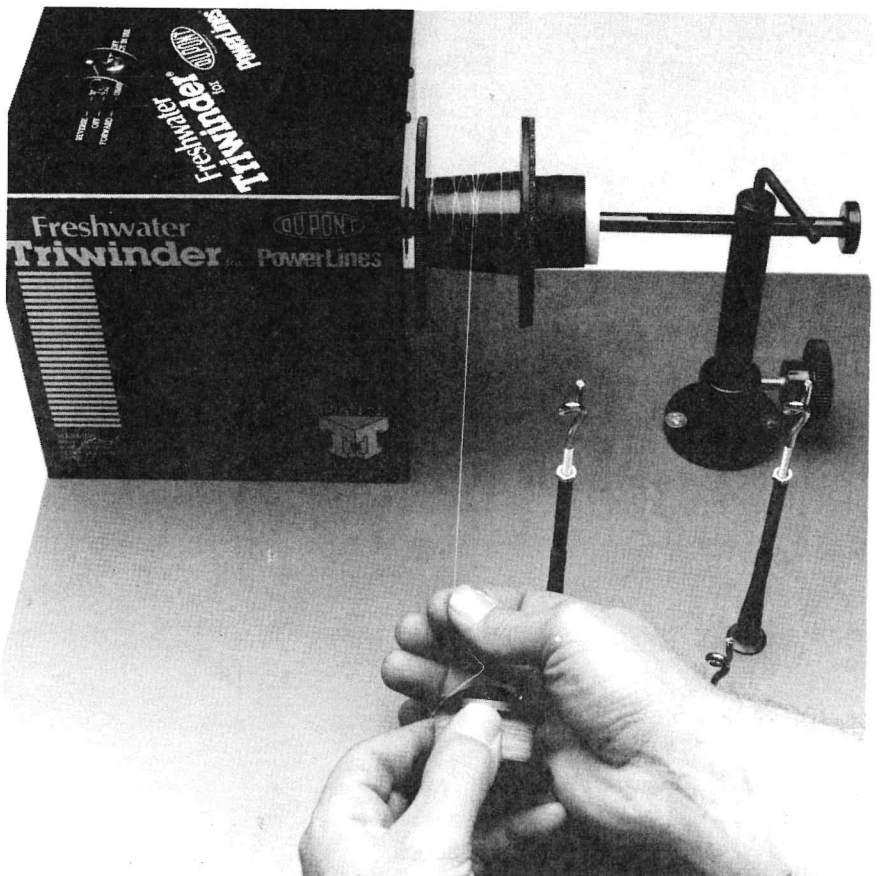
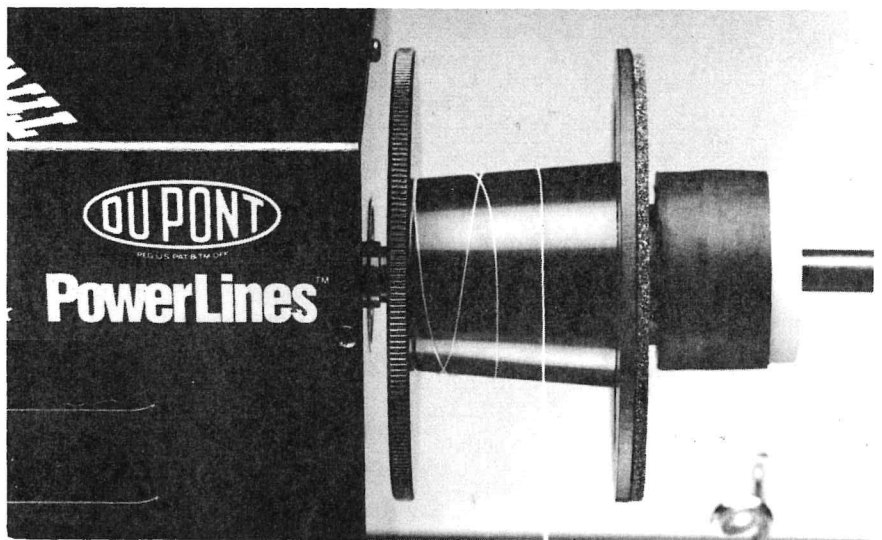
When hand holding a reel or spool during stripping, PROCEED CAUTIOUSLY to avoid having it jerked from your hand when the end of the line is reached and to avoid injury to hands from the line.

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. 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.

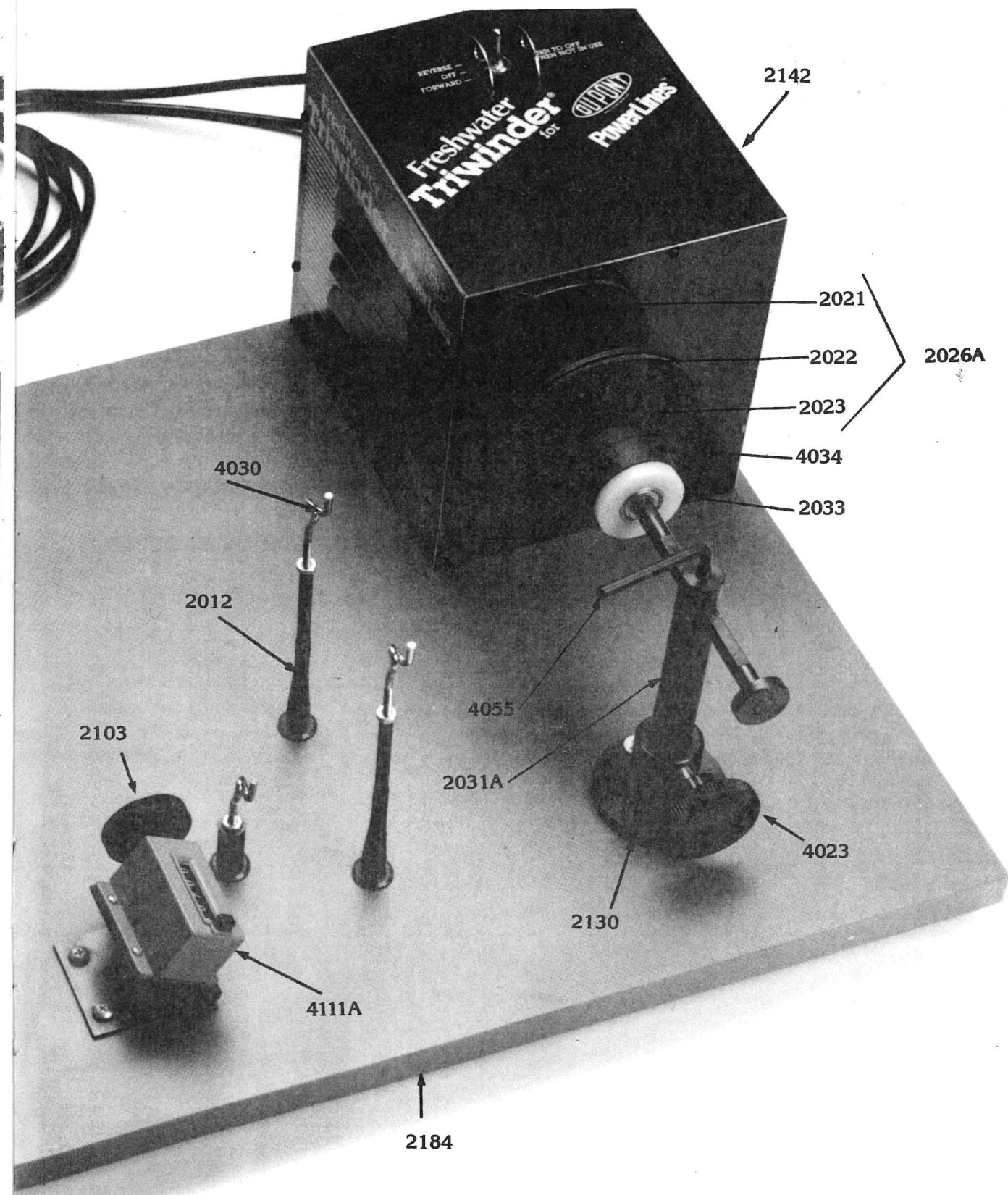
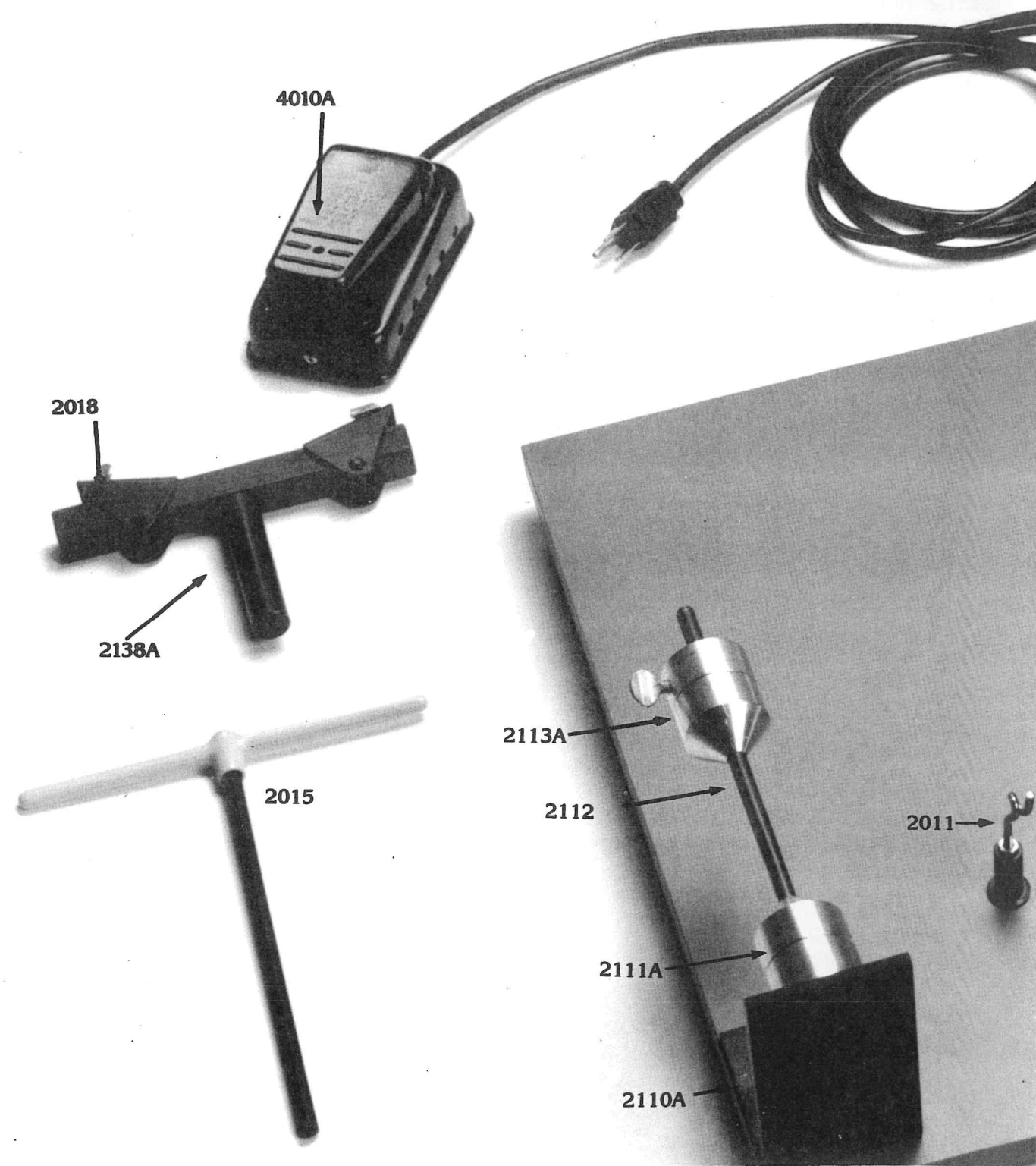
When all line is off the reel or spool, remove the REAR KNURLED PLATE of the UNIVERSAL LINE STRIPPER ASSEMBLY and remove the line from its tapered core. If very large reels are stripped (10-0 and up), the capacity of the LINE STRIPPER SPOOL may be exceeded and it should be unloaded and above procedure repeated if necessary.



OPERATING TIP

When stripping line, the line should be fed toward the front position of the line stripping assembly, and not toward the rear plate. Line buildup against the rear plate may create tension severe enough to prevent the removal of the rear plate. When stripping line the support arm assembly should be engaged against the line stripper assembly.

FRESHWATER TRIWINDER



FRESHWATER TRIWINDER PARTS LIST

2011	Short Post with Pigtail
2012	Spring Post with Pigtail
2015	T-Bar
2018	Reel Clamp Assembly w/ Thumbscrew
2021	Knurled Rear Plate, Linestripper
2022	Front Plate, Linestripper
2023	Friction Disc, Linestripper
2025	Plunger, Linestripper
2026A	Linestripper Assembly
2027	Spool w/Stud, Linestripper
2028	Linestripper Stud
2029	Washer
2031A	Support Arm Assembly
2033	Nylon Driver w/Bearing, Support Arm
2040	Drive Shaft
2103	Counter Pulley
2110A	Service Spool Assembly
2111A	Service Spool Housing w/Spindle
2112	Shaft, Service Spool
2113A	Collar w/Spindle, Service Spool
2130	Flange
2138A	Reel Bar Assembly w/Clamps
2142	Cover
2184	Base
4005	Cord Set (110V)
4006	Cord Set (Foot Control)
4010A	Foot Control Assembly w/Cord Set
4014	Linear Potentiometer (Foot Control)
4019	Large Pulley
4021	Motor Housing Hearing (Set of 2)
4023	Knob, Flange
4025	Rubber Reet (Set of 4)
4030	Pigtails
4034	Rubber Cover (Support Arm)
4035	Center Adaptor
4036	Box Assembly
4055	L-Screw
4090	Small Pulley
4091	Switch Guard
4111A	Counter Assembly
4113	Motor, Freshwater Triwinder
4114	Controller, Freshwater Triwinder
4120	Belt

SERVICE POLICY

Spare and/or replacement parts for your **Freshwater Triwinder** should be ordered from Triangle Manufacturing Company. A list of all such parts and part numbers is included on page 14 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 linewinder, 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

Freshwater Triwinder:

The manufacturer's 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.

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