

# CAROUSEL MATE

## Service Manual



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# **INTRODUCTION**

This machine has been carefully designed and constructed to provide you with many years of dependable service. It has been built to meet or exceed current U.L. or C.S.A. standards. With proper care in operation and maintenance, this machine will assist you in maximizing your efficiency.

To ensure the utmost value and performance from your machine, please read this manual carefully to be sure correct operation procedures are followed.

This manual provides you with operation, troubleshooting, and maintenance procedures for your machine. However, if help is needed or if any of these procedures are unclear, please contact Vidir at 1-800-210-0141.

## **SERIAL NUMBER**

Please be sure to record the serial number for any future service calls and parts ordering.

Serial No. \_\_\_\_\_

## **IMPORTANT CAUTION NOTICE:**

Vidir has made every effort to protect operators and others from injury due to mechanical parts movement and electrical safety. As with any mechanical device, the operator is responsible to inspect the condition of the machine prior to use and adhere to safe operating procedures at all times.

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# **SAFETY**

## **Important Safety Instructions**

Read this manual carefully to ensure familiarity with the controls and the proper use of the equipment.

The warnings and precautions contained in this manual **DO NOT** cover all potential dangers, and hazards that may be encountered.

This manual is intended to provide basic safety guidelines for proper operation, maintenance, and servicing of the machine.

### **WARNING – Risk of injury**

- Installation and service of this machine should be performed by qualified service personnel.
- Only properly trained service personnel should have access to the interior components of the machine.
- Electrical connections should be performed by qualified electricians.
- Operation must be performed by trained personnel. Never allow children or unauthorized persons to operate the machine.
- **DO NOT** post the security password where unauthorized users will have access to it.

### **DANGER – To reduce the risk of electrical shock:**

- Keep cord away from heated surfaces or areas where it can be easily damaged.
- Do not change current limit ratings of overload protectors. For further instruction please contact our service line.
- Turn all switches to the off position and disconnect power to the machine before cleaning, maintenance, or repairs.
- Risk of electrical shock – Connect this machine to a properly grounded outlet only. See grounding instructions.
- Keep the area of operation clear of all persons and potential hazards.
- Always shut off the main power switch before servicing the machine.
- Keep all guards and shields in place

Use this machine only for its intended purpose as described by these instructions.

Do not use attachments not recommended or approved by the manufacturer.

Never operate this machine if it has been damaged, has a damaged electrical cord, or if it is not working properly. Keep all guards and shields in place.

Keep area clean and organized during operation.

**For further instruction please contact our service line.**






# **SAFETY**

## **Safety Precautions**

In order to avoid personal injury, make sure the operator(s) and/or maintenance person(s) of the machine have been oriented with the machines operating procedures and are aware of all safety precautions.

1. Unplug power cord before making any adjustments or repairs.
2. A qualified electrician should perform electrical repairs.
3. Do not operate machine on a wet floor.
4. Use extreme caution when replacing cutter blades.
5. Keep hands clear of all moving components while machine is running.
6. Keep loose clothing and articles away from all moving components while machine is running.
7. Keep machine unplugged while not in use.
8. Do not allow children near the machine.
9. Keep machine clean of all plastic wrap, carpet fibers, and all other debris.
10. Ensure machine is stationary and will not roll on casters.
11. Do not remove motor covers except for servicing.
12. Keep space beside cradles (dumping areas) clear.
13. Only trained authorized personnel should know and use passwords.
14. Do not leave operational machine unattended.

## **Safety Hazards**

	Safety Hazard - Entanglement	- Loose clothing or jewelry could become entangled or drawn in
	Safety Hazard - Crushing/Rolling	- Material roll may present a hazard of crushing or rolling over toes or hands when loading or unloading machine.
	Safety Hazard - Heavy Lifting	- Use proper lifting technique, and additional help to load material roll onto wall rack.
	Safety Hazard - Pinch Point	- Keep hands clear when operating; Moving parts can crush or cut; Keep hands clear of moving parts.
	Safety Hazard - Cutting	- Keep hands clear while operating. Moving parts can cause severe injury.

Cease all operation and lock out machine in any case where the machine is not operating as designed and call Vidir Service.

# **PREPARATIONS**

## **Electrical Specifications**

Machine Power Requirements: Please see machine label for electric power requirements.

### **FEATURES:**

This machine is equipped with a Master Switch. This switch is highly visible and easy to reach. It shuts off all power to the carousel. Ensure the Master Switch is in the OFF position before working on the machine, to prevent accidental operation of the machine.

### **NOTE:**

All relays and transformers are located in the electrical box behind the control panel. These can be accessed by removing the screws that secure the control panel cover to the box. Ensure the Master Switch is in the OFF position before removing the control panel.

### **CAUTION:**

If the motors start to overload and stop during the operation of the machine remove pressure from the Push Button. Do not try to force the machine. Do not continue to activate and deactivate an overloaded motor. This will cause excessive wear and motor overheating. Correct the load conditions on the machine before trying again. Refer to the section on **LOADING THE CAROUSEL**.

### **ATTENTION:**

This machine should have a dedicated circuit.

## **Grounding Instructions**

This machine must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**DANGER** – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the product is properly grounded.

Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician or service person.

This machine must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the product.

# **PREPARATIONS**

## **Grounding Instructions**

This machine is for use on a circuit having a nominal rating of more than 120 volts and is factory-equipped with a specific electric cord and plug to permit connection to a proper electric circuit. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product. If the product must be reconnected for use on a different type of electric circuit, the re-connection should be made by qualified service personnel.

## **Building Requirements**

The machine must be bolted to the floor before it is loaded. It is the responsibility of the building owner to ensure the building structure is adequate for the machine installation.

Electrical - please see machine label for electric power requirements. A dedicated power line and circuit breaker using machine suitable conductor wire connections and ampere rating is recommended. The machine has been designed to be hardwired to this electrical service. Once installed, an electrician must be available to hardwire the service to the junction box provided at the top of the machine. (Bottom junction boxes for floor wiring are available by special order at time of order placement.)

## **Installation Requirements**

Vidir provides the installation equipment. This installation equipment requires a local electrical circuit at the machine installation site. Your electrician may need to run a temporary service line before the installers arrive. Installer waiting time will be billed at the going rate.

A forklift and operator should be available to unload the machine from the truck and deliver the components to the installation site as required by the installers. Additional forklift time may be required during machine setup.

Installers require a floor plan of the area with the installation location for each machine model clearly marked.

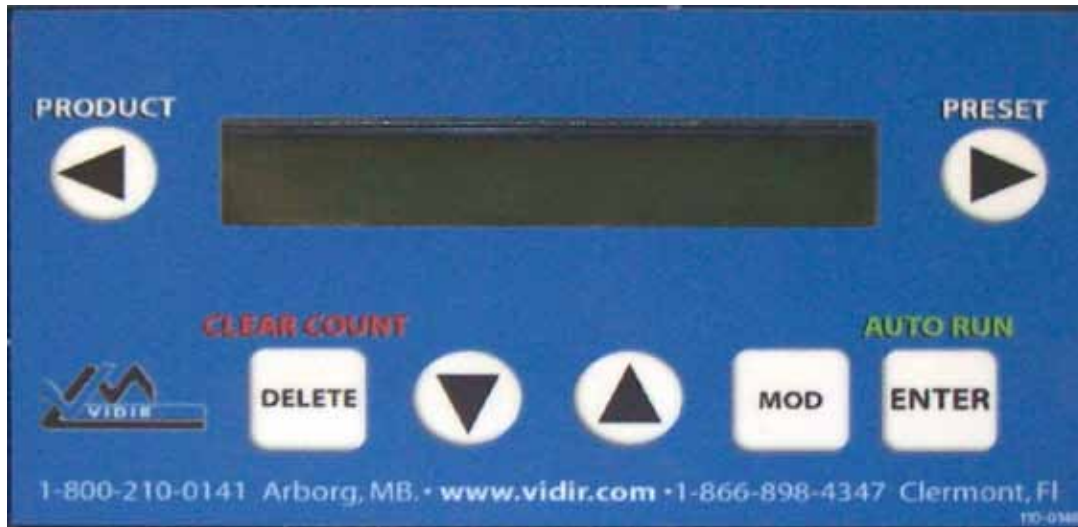
A sign-off sheet has been provided for the Store Manager to indicate approval of the placement of the installed machine. Once completed, our installers are available to bolt down the machine under the manager's supervision.

A electrician must be scheduled to connect electrical service to all machines upon completion of installation. The installation crew will then test run the carousels and do a final check.

# MENARDS COUNTERS

The Display below with 4 arrow Keys has been used since November 2009.  
 This PLC is programmed to work with 4 arrow displays, NOT the older 5 arrow one.

**If the stores display looks like this then the display we use today will work without a PLC upgrade**



The display below was used after the durant display up until November 2004. It has 5 arrow keys. The PLC is programmed to work with this display only and any other display will not work

**If the store has this type of display and it no longer works they will have to upgrade to the display above and also get the PLC to match.**





# MENARDS COUNTERS

The cable from PLC to Display may or may not have a pigtail (6 inch crossover cable) It is recommended that if they don't have one when ordering a display that they also order the crossover cable (part # 406-0087) . The cable may or may not be needed.



The Durant counter was used on the Carousel Mate before the PLC and Display This counter will be a 220 volt Counter

The carousel Mate plugs in to the carousel and that is why its 220v



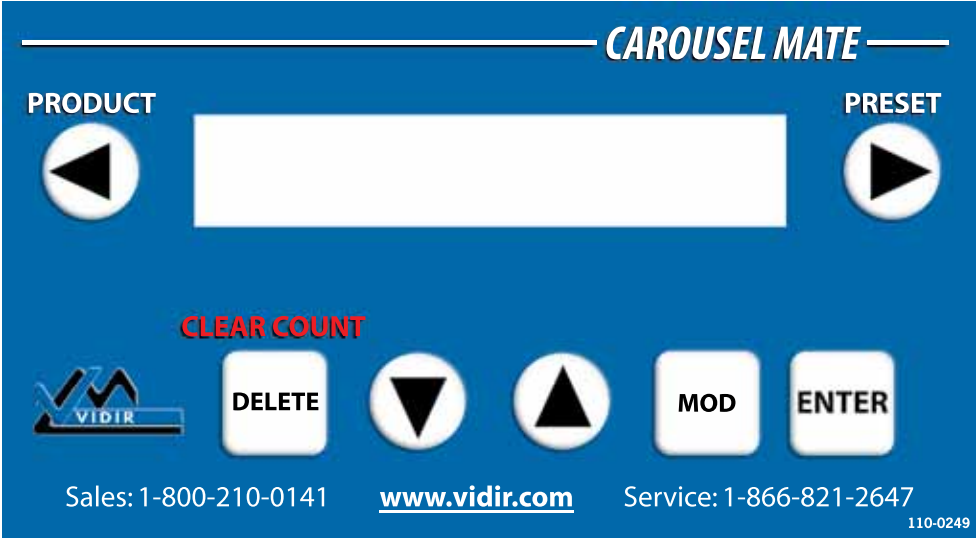
Some older Menards stores still have a Archer cutting machine

This cutter also used the Durant Counter BUT this counter will be a 110v

This cutter plugs in to the wall and that is why its only 110v

# OPERATING INSTRUCTIONS

## Counter Functions Explained



Black Keys    Data Entry – used for numeric data entry. This is explained below in the password section.



White Arrows Used to navigate machine setup screens.



Delete button clears the counter value to zero.

# OPERATING INSTRUCTIONS


## Password Protection

The Carousel Mate is equipped with a "Password Protection" feature. When this feature is turned on, each time the machine is turned on, the user is prompted to enter a password. The factory preset disables this feature. To enable this feature , it must be set up. See setup below.


ENTER PASSWORD


XXXX

To enter the password:

Press  (a cursor appears below the number to the right)

Press  or  to increase or decrease the number

Press  to move to the next digit. When the last (left most) digit is reached pressing

 again will start at the first digit again.

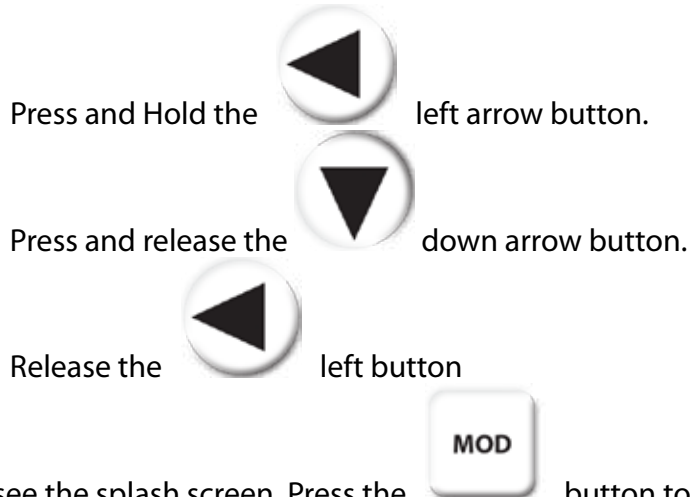
Press  to enter the password.


This same pattern is used for all data entry in the Carousel Mate.



# OPERATING INSTRUCTIONS

## Setup

To enter setup mode you will need to do the following.



You will now see the splash screen. Press the  button to select the Master Password entry screen. Enter the Master Password. If you do not know the master password, contact Vidir Support at 1-866-821-2647

The  and  buttons are used to navigate through the various setup screens.

The only way to EXIT the MASTER MENU is to turn off the power. When power is turned back on, the machine will be in normal user operation mode.

The Setup Screens are as follows:

### Unit of Measure

1=Imperial, 2=Metric. Enter the value of the unit of measure you wish to use. Factory Default is 1, Imperial which is feet and inches.

### Slow Down Preset

The slow down preset is not used on this machine.

# **OPERATING INSTRUCTIONS**

## **Calibration Factors**

Three screens present calibration factors. Your calibration factor has been factory pre-set to accurately measure carpet. This value should only be altered if you have product that has different measurement characteristics than regular carpet. The screens Carpet1, Carpet2 and Vinyl are available. Only Carpet1 is used for the Carousel Mate. The factory default setting accurately measures standard carpet without any alteration.

## **Enter New User Password**

As the name suggests, this is where you can change the User Password. This is not the Master Password. To disable the password feature, set this value to zero (it is recommended). The default setting is 'off', and Vidir recommends to leave this setting as 'off'.

User password is not required unless activated. Factory Default is off.

## **Password Timer**

Valid values are 0, or some number greater than 30. This number is the length of time in seconds the Carousel Mate will wait after the last valid key press, before it will reset the machine and require a User Password entry. A zero value here, disables the timer feature, and is the default setting.

# OPERATING INSTRUCTIONS

## Operating the Carousel

1. Roll Carousel Mate in front of the carousel that has the desired product.
2. Position the desired roll of material so the top of the roll is 1" BELOW the top of the table. If the material feeds in at an angle from higher up it will lift off the table and cause inaccurate counts.
3. Remove the Velcro straps from the roll.
4. Raise the counter hold down weight.
5. Flip/pull the material onto the table.
6. ENSURE THAT THE BACKING OF THE MATERIAL IS DOWN (bottom side of the carpet must be down to contact the knurled counting wheel to get an accurate reading. If the plush side is down the counter reading will be inaccurate!).
7. Pull edge of material to the edge of the cutting bar groove.
8. Lower the counter hold down weight.
9. Reset counter to zero.



10. Ensure that the re-roller is in place and that the drop down levers and latches are up and locked into position.



# OPERATING INSTRUCTIONS

11. Engage re-roller latches by turning the re-roller latch engagement nut clockwise.



12. Grasp material and pull it to the center of the re-roller tube.



13. Clamp the material to the re-roller tube.



14. Place the crank onto the end of the re-roller and roll up the length of the desired cut onto the re-roller.

# OPERATING INSTRUCTIONS

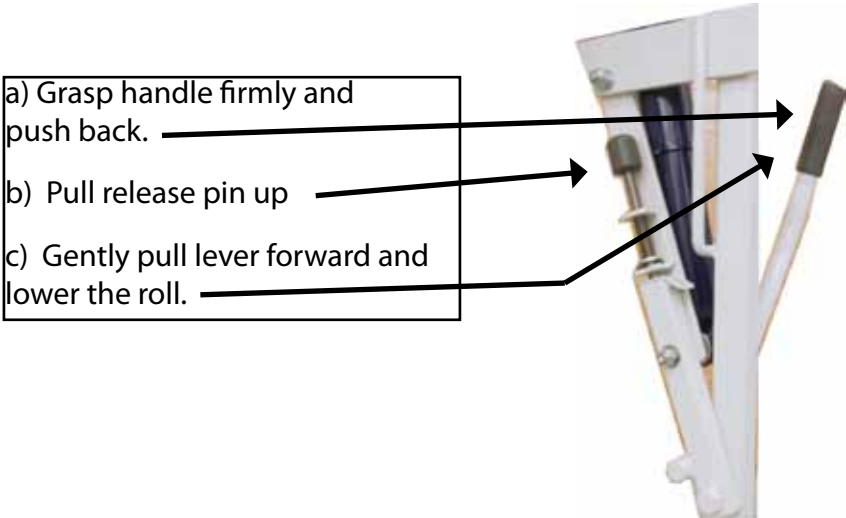
15. Lock the material to the table with clamps provided.



16. Recheck the counter to ensure you have the correct length of material.  
17. Grasp the cutting bar handle crank and run cutter across the table to make the cut.



18. Wrap the cut product with tape or plastic, as desired.  
19. Place cart under cut product.  
20. Lower product onto cart by lowering both ends of re-roller



21. Release the re-roller latches by turning the latch release nut in the counter clockwise direction.



# OPERATING INSTRUCTIONS

22. Remove the re-roller by pulling it out of the cut product.
23. Place reroller back onto the Carousel Mate.



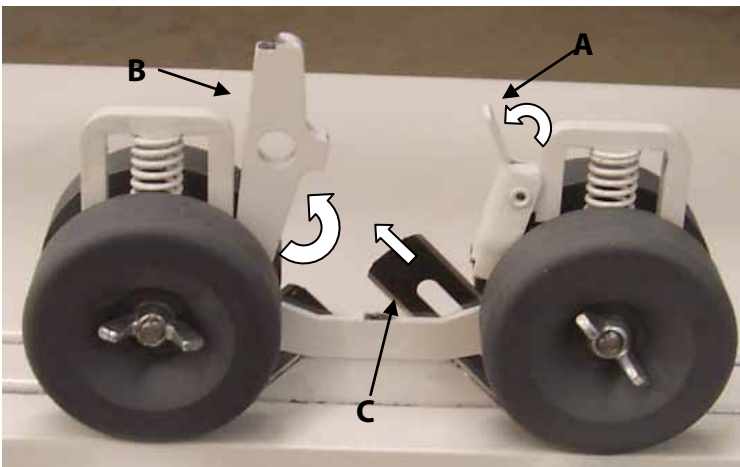
24. Re-roll the product back onto the roll and strap with Velcro straps. (min of 3 per roll)

## How to change the cutter blade



**CAUTION: CUTTING BLADES ARE SHARP.**

1. Move the cutter to a suitable working location.
2. Press blade lock latch release lever. **A**
3. Lift blade lock latch up to release the blades. **B** Part #113-0012
4. Slide blade up and out flip and insert again. **C**



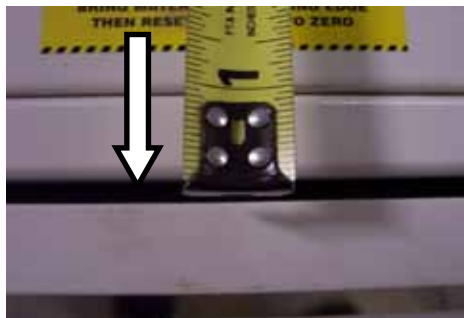
# OPERATING INSTRUCTIONS

## How to check counter calibration

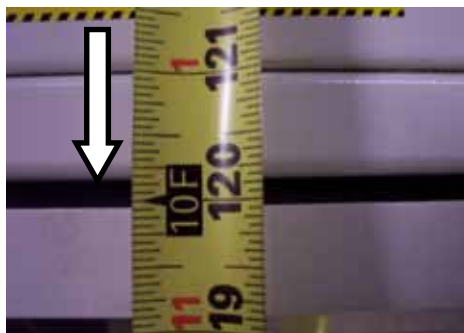
1. Place a tape measure under the counter hold down weight.



2. Lower counter hold down weight.
3. Pull tape measure until the hook is at the edge of the cutting bar.
4. Reset the counter to zero.



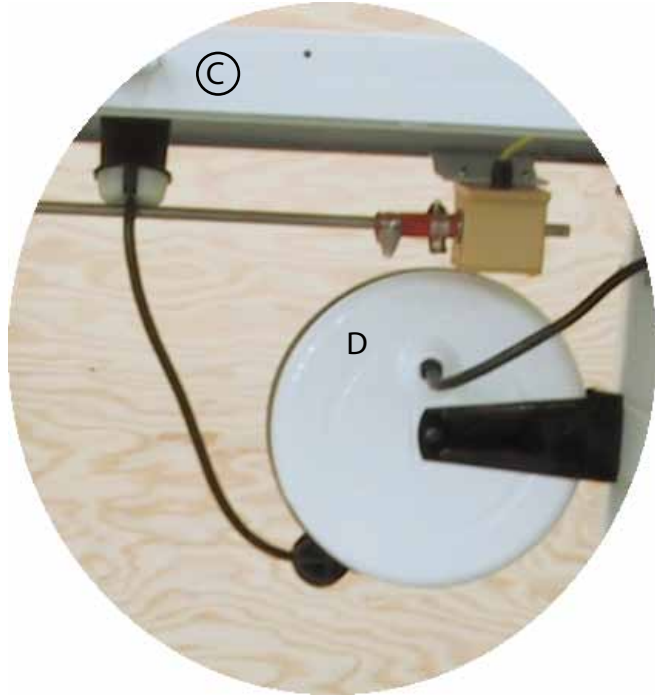
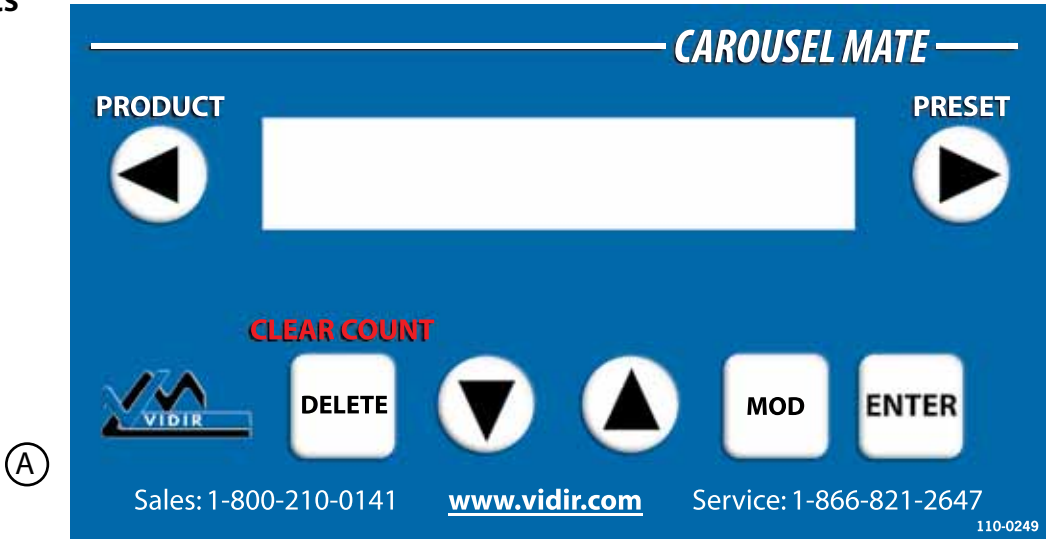
5. Pull the tape measure through until the 10 foot mark is at the edge of the cutting bar. (same place as at the start)
6. Read counter display.
7. Counter display should be within ½ inch of 10 feet.
8. If counter is not accurate repeat the test.
9. If reading is different then repeat the test until you have a consistent reading.



10. If the reading is consistently off, the counter needs to be recalibrated.
11. Call Vidir Machine service at 1-866-821-2647 to assist you with this procedure.

# PARTS

## Electrical Parts

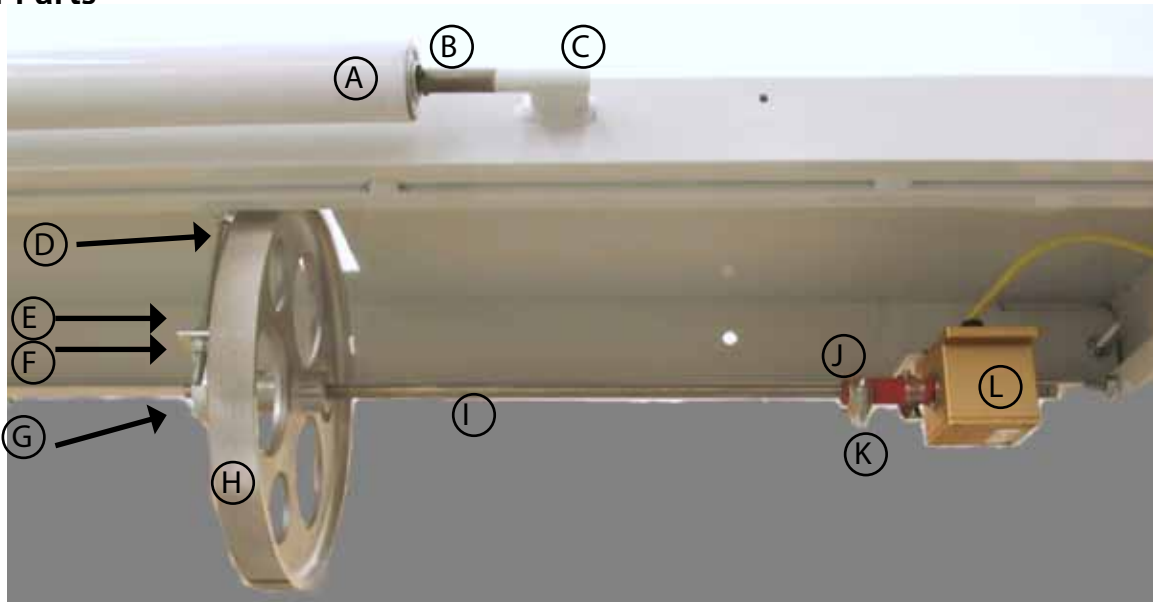


Item	Description	Part #
A	Interface	409-0057
B	PLC	409-0055
C	Plug, 110V twist lock	408-0018
	Plug, 220V twist lock	408-0015
D	Retractable cord reel	406-0013
E	Interface adapter cable RJ45 (not shown)	406-0087
F	Cable, PLC to Interface (not shown)	409-0080
G	Durant Counter, 220volt (not shown)	402-0013

**CHANGED TO 120 VOLT - APRIL 17, 2009**

# PARTS

## Counter Parts



Item	Description	Part #
A	Idler Roller (2)	7-51599
B	Roll pin	113-0031
C	Counter bearing	8-52907
D	Threaded rod bearing holder	8-51589
E	Pillow block	006-0052
F	Nut	004-0014
G	Counter shaft bearing	006-0027
H	Counting wheel 10"	7-40099
I	Counter wheel shaft	8-1550
J	Counter shaft joiner clamp	111-0016
K	Counter shaft / encoder joiner tube	402-0005
L	Encoder	402-0042

To check encoder, If PLC and Encoder are working, PLC Input Lights, 0 and 1 will flash alternately, both off, 0 on + 1 off, 0 and 1 on, or 0 off and 1 On .

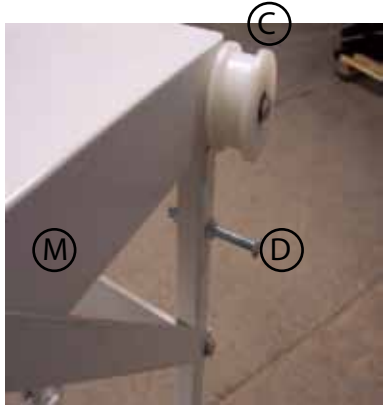
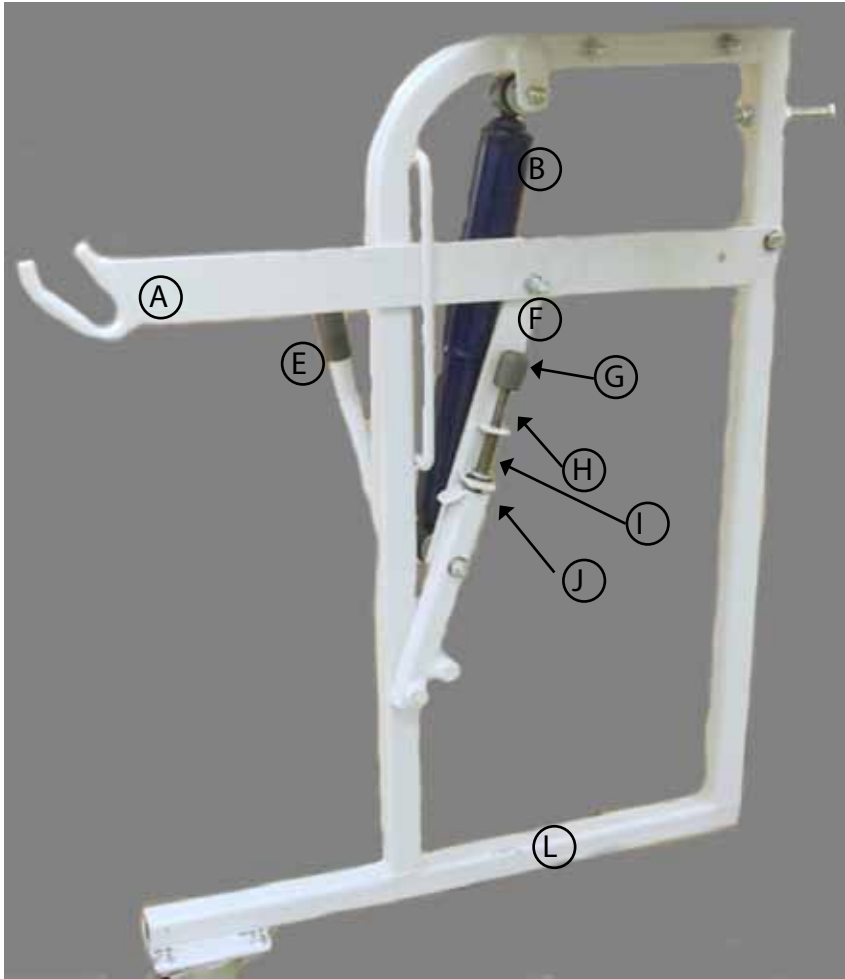
If PLC is not working and to check encoder output, make sure Encoder is getting from 12-28 volts DC. Test between Black and Green or White; you should see from 0 to 9 volts as you very slowly spin encoder shaft.

PLC should be OK if; power and run are on and no clicking present when no control signal change.

PLC will work on 100 to 240 volts.

# PARTS

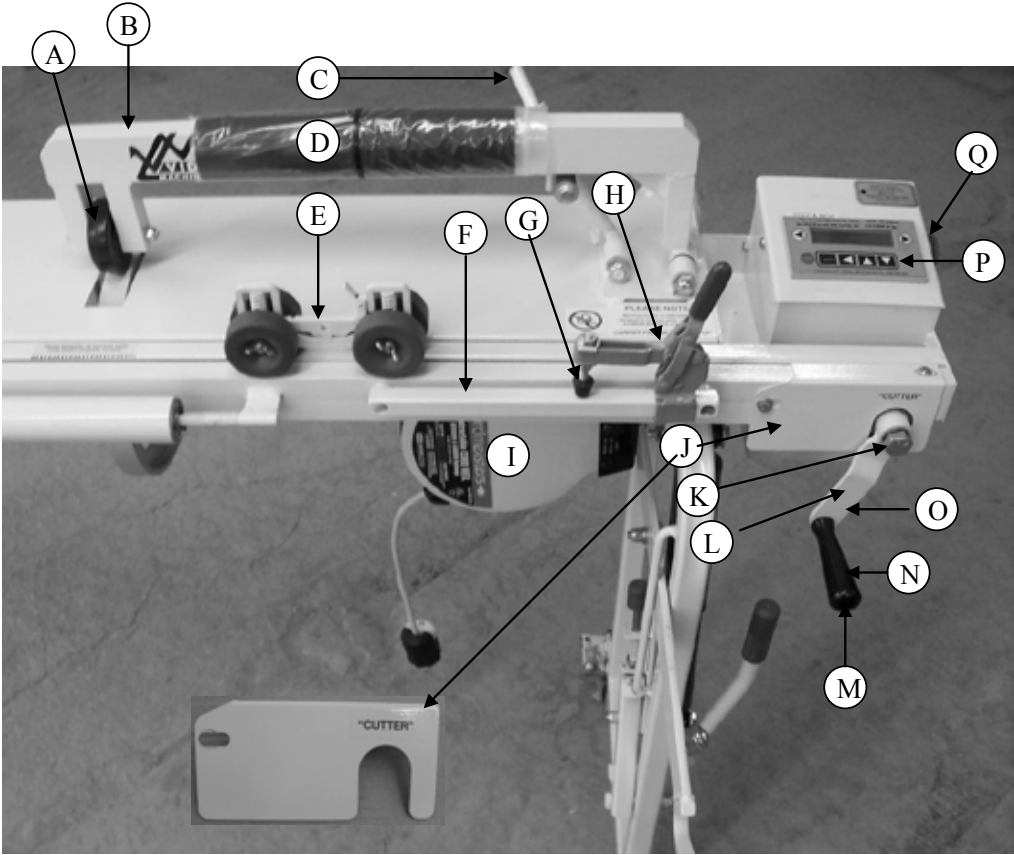
## End Frame & Drop Handle



Item	Description	Part #
A	CM re-roller arm weld right	7-51639
	CM re-roller arm weld left	7-51603
B	Re-roller drop down shock absorber	111-0013
C	Guide track stop bolt (3/8" x 4" full thd)	001-0255
D	Guide track wheel	7-51600
	Bolt for above	001-0120
	Nut for above	004-0015
E	Re-roller drop down handle and hinge tube (bottom left)	7-51609
	Re-roller drop down handle and hinge tube (bottom right)	7-51604
F	CM dump link flat	7-1440
G	Plastic knob	7-1480
H	Release pin	7-1470
I	Release pin spring	119-0032
J	Release pin roll pin	113-0028
K	Swivel caster wheel	104-0001
L	CM right frame asmb	7-51602
	CM left frame asmb	7-51608
M	End frame brace	7-1380
N	Carousel Mate guide track (not shown)	2-52154

# PARTS

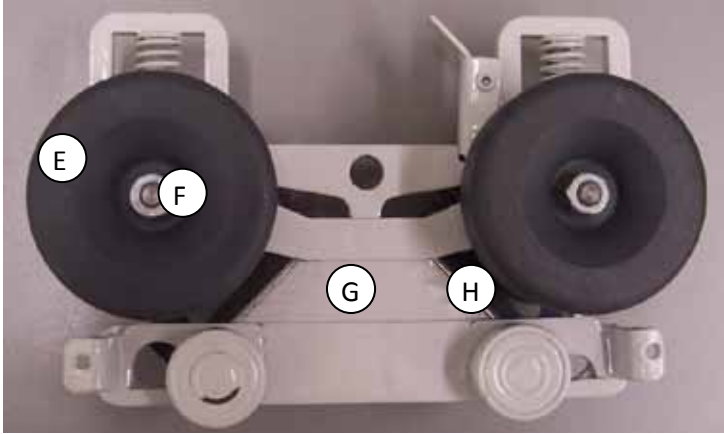
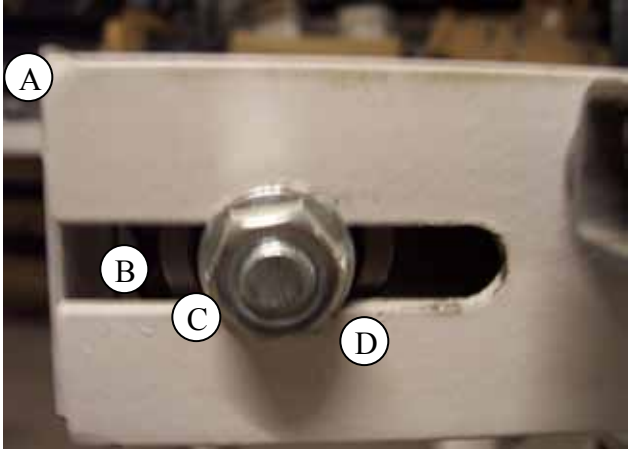
## Misc. parts



Item	Description	Part #
A	Counter hold down wheel	104-0002
B	Counter hold down arm	7-61348
	... COUNTER HOLD DOWN ASMB CM.	7-61347
C	Counter hold down lift out handle	8-46941
D	Operators manual	om-1300-008-Mar2013
E	Cutter assembly	8-44079
F	Carpet hold down clamp mounting tube	7-40073
	CBAR HOLD DOWN TUBE SPACER LONG	7-60287
	Mounting Screw Long	002-0098
G	Carpet hold down clamp spindle	111-0026
H	Carpet hold down toggle clamp	7-43442
I	Retractable cord reel	406-0013
J	Cutter crank chain cover	7-1660
K	Cutter crank mounting bolt	001-0100
L	Cutter crank	7-1120
M	Crank handle mounting bolt	001-0218
N	Crank handle	7-1160
	... Crank handle with bolt	111-0121
O	Crank handle securing nut	004-0001
P	Interface	409-0057
Q	Power shut off button	410-0056
	... E-stop complete assembly	410-0042

# PARTS

## Cutter Parts

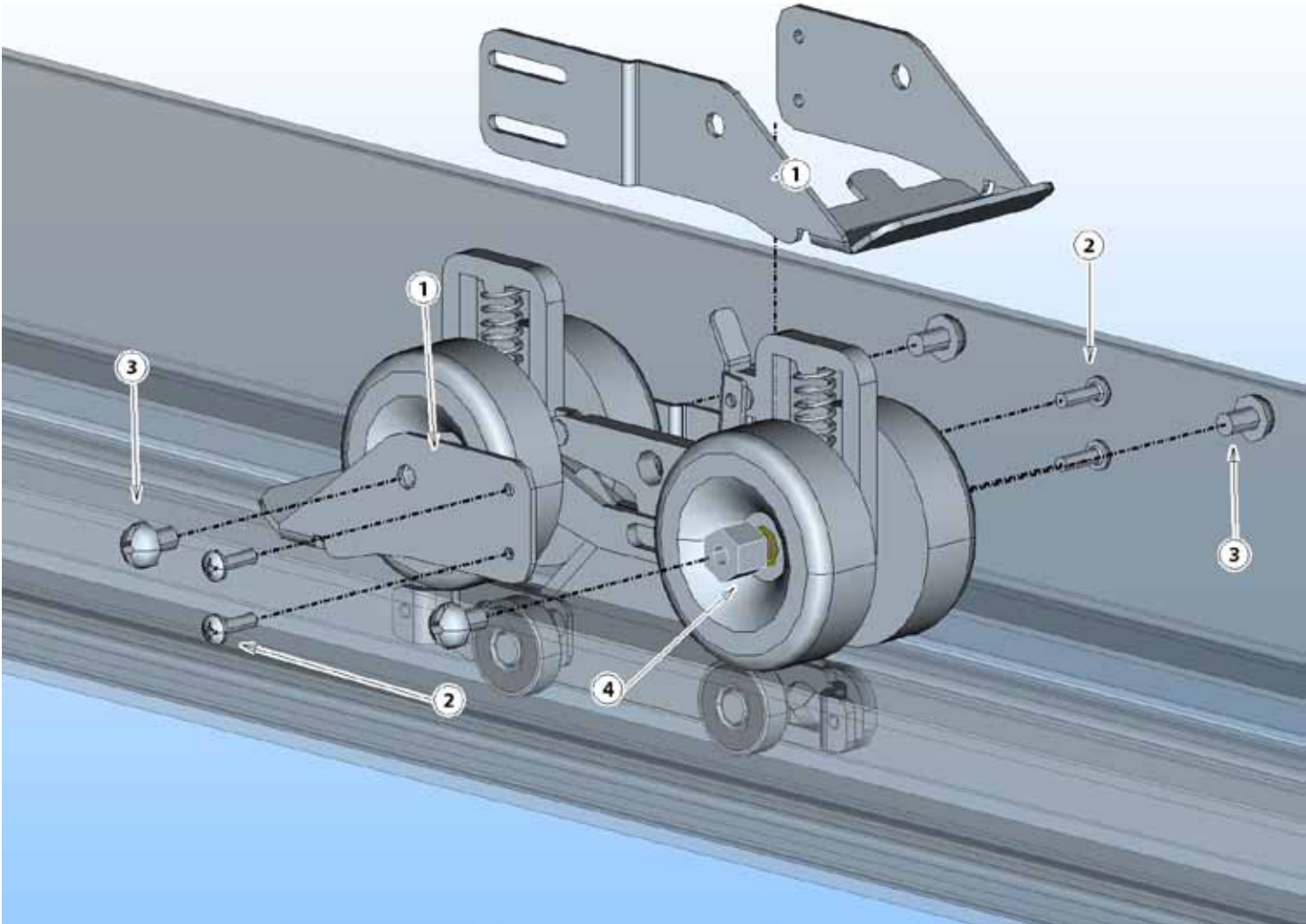


<b>Item</b>	<b>Description .....</b>	<b>Part #</b>
A.....	Cutting bar end cover .....	7-1090
B.....	Cutter chain .....	7-68046
C.....	Cutter chain idler .....	7-43434
D.....	Chain idler securing nut.....	004-0015
E.....	Blade holder wheel.....	8-44087
F.....	Wheel securing nut .....	004-0055
G.....	Cutter assembly .....	8-44079
H.....	Blade.....	103-0012
	Link connecting #35.....	105-0068

**NOTE: Box of 100 Blades..... 103-0033**

# PARTS

## Cutter Wheel Cover

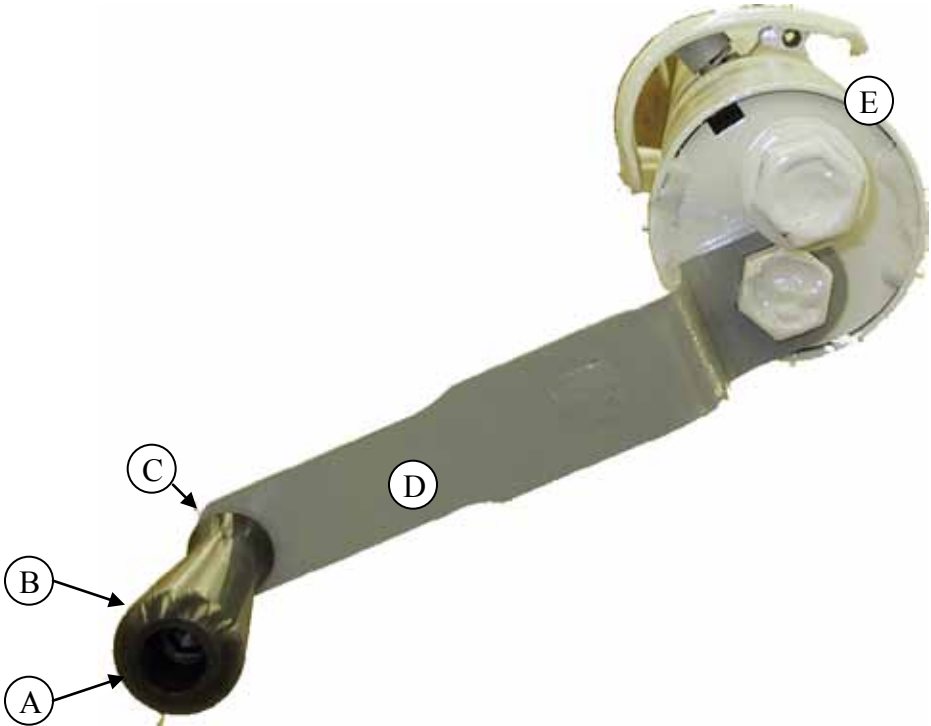


Item	Description .....	Part #
1.....	Cutter wheel cover.....	2-62058
2.....	8-32-12-Machine-screw .....	002-0104
3.....	Screw combination 1/4 x 3/8 .....	002-0018
4.....	Double blade holder hex spacer 7/16 in.....	2-60282
5.....	Complete cutter wheel cover assembly.....	2-62215



# PARTS

## Re-roller parts



Item	Description.....	Part #
A.....	Crank handle mounting bolt.....	001-0218
B.....	Crank handle with bolt & washer .....	111-0121
C.....	Crank handle securing nut .....	004-0001
D.....	Re-roller crank (complete).....	2-44403
E.....	Re-roller (complete, crank not included) .....	503-0010
	Reroller latch kit (includes 3 items below) .....	7-59538
	Spring for above.....	.119-0050
	Roll Pin. ....	...113-0036
	Socket Bolt for above.....	....002-0049

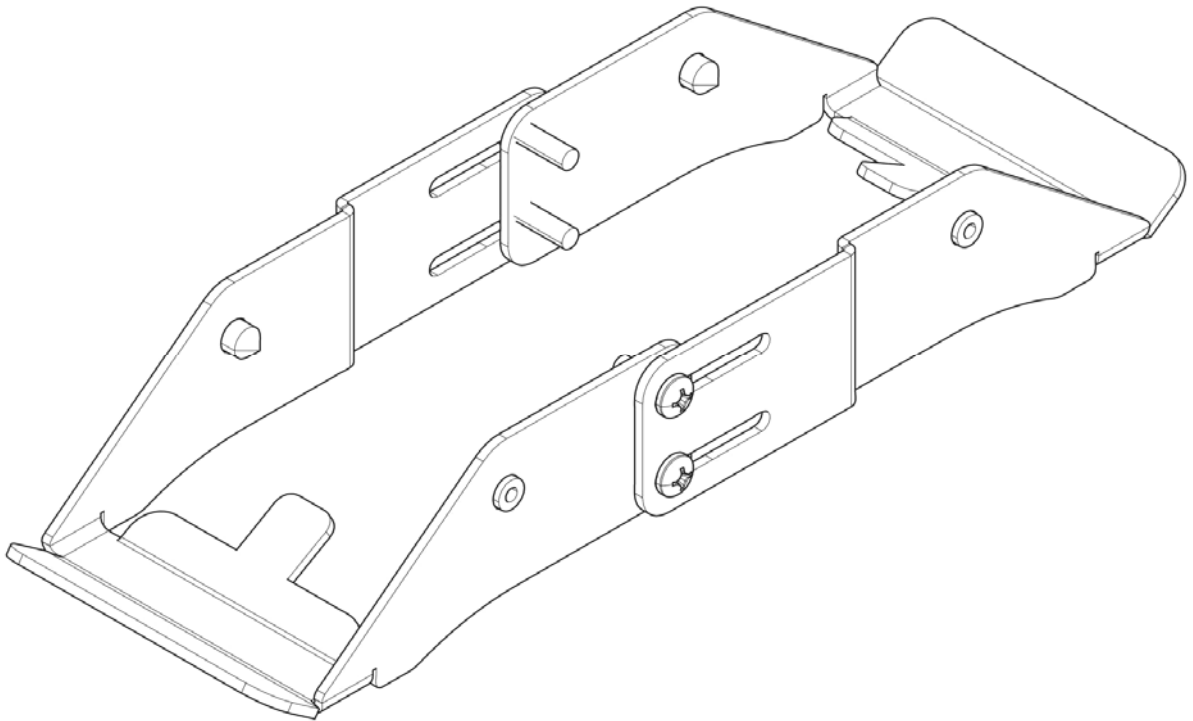
# TROUBLESHOOTING

Symptoms/Problems	Solution
Poor cutting quality.	<ol style="list-style-type: none"> <li>1. Dull blades. Refer to blade changing instructions.</li> <li>2. Operator trying to make cut too fast.</li> <li>3. Drive roller wheels not lowered.</li> <li>4. Material build up on blades. Spray with silicone to keep material from sticking to blades.</li> </ol>
Uneven cuts.	<ol style="list-style-type: none"> <li>1. Make sure spacer collars have been put on correctly and that all set screws have been tightened.</li> <li>2. Make sure the material is being kept up against the edge guide at all times while in use.</li> </ol>
Display screen shows wrong information	<ol style="list-style-type: none"> <li>1. Reprogram the display. Please call Vidir Service for assistance.</li> </ol>

NOTE: If a PLC is Present:

- The Large PLC will be used in Carousels/Carousel Mate which MAY or WILL HAVE a computer used in conjunction with them.

# Carousel Mate & Cutting Bar Cutter Cover Retrofit Instructions



## **ATTENTION:**

**In the event that this cover does not fit your cutter please have your store information available and call toll free 1-866-521-2647 and we will supply a cover for the slim style cutter.**

## Table Of Contents

### Carousel Mate

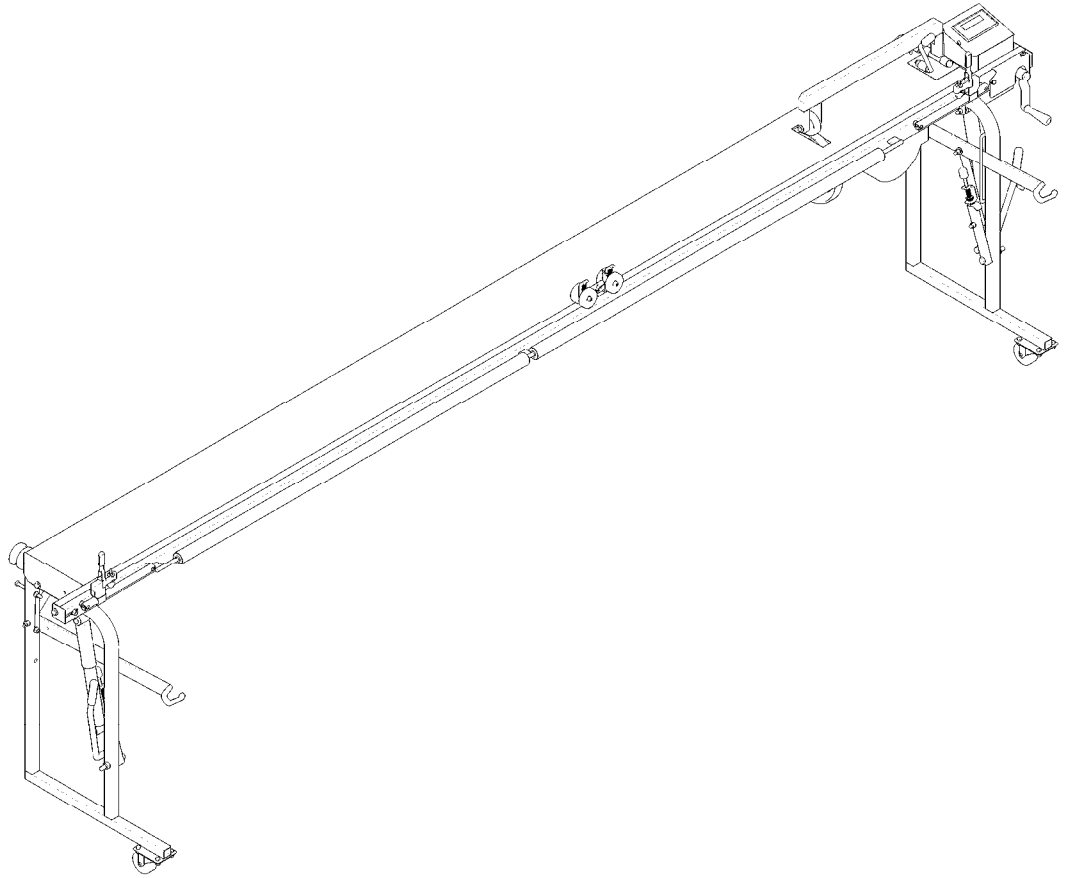
Cutter Cover Installation .....	1
Hold Down Arm Spacer Installation .....	4

### Cutting Bar

Cutter Cover Installation .....	5
Counter Arm Replacement.....	8
Final Installation of Counter Arm.....	10
Hold Down Arm Spacer Installation .....	11



## Carousel Mate—Cutter Cover Installation



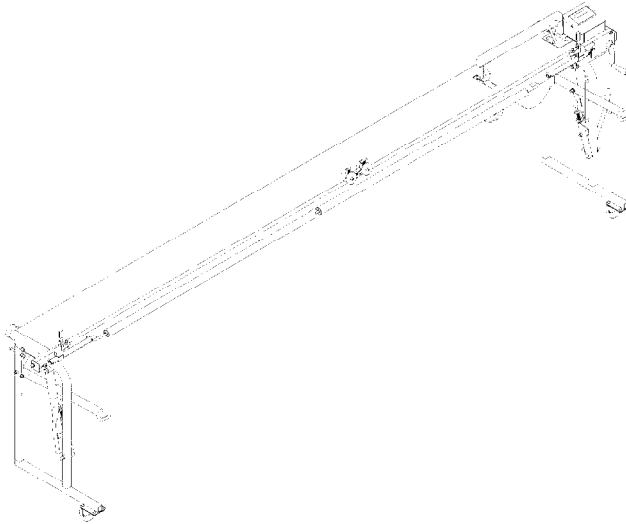
## Carousel Mate—Cutter Cover Installation

### Cutter Cover Installation

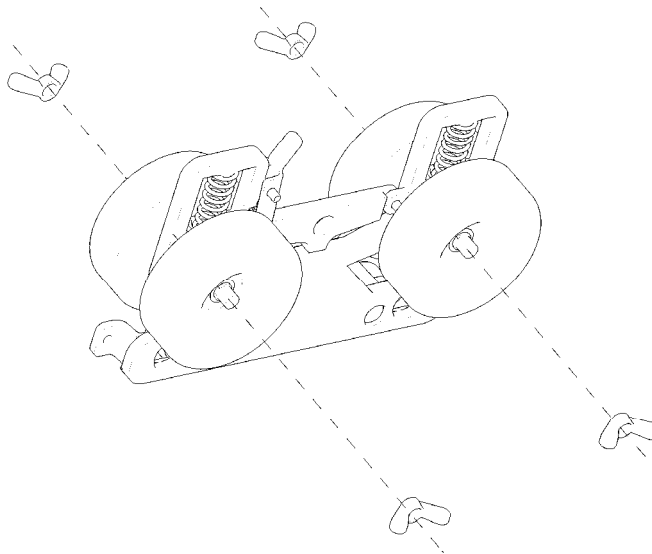
The following instructions will describe the process of installing the cutter cover on your carousel mate. Please follow the instructions carefully to ensure proper installation.

**Kit Includes:** Cutter Cover, Set Screws (4), Hex Spacer (4)

**Tools Required:** 9/16" Wrench, 1/8" Allen Wrench

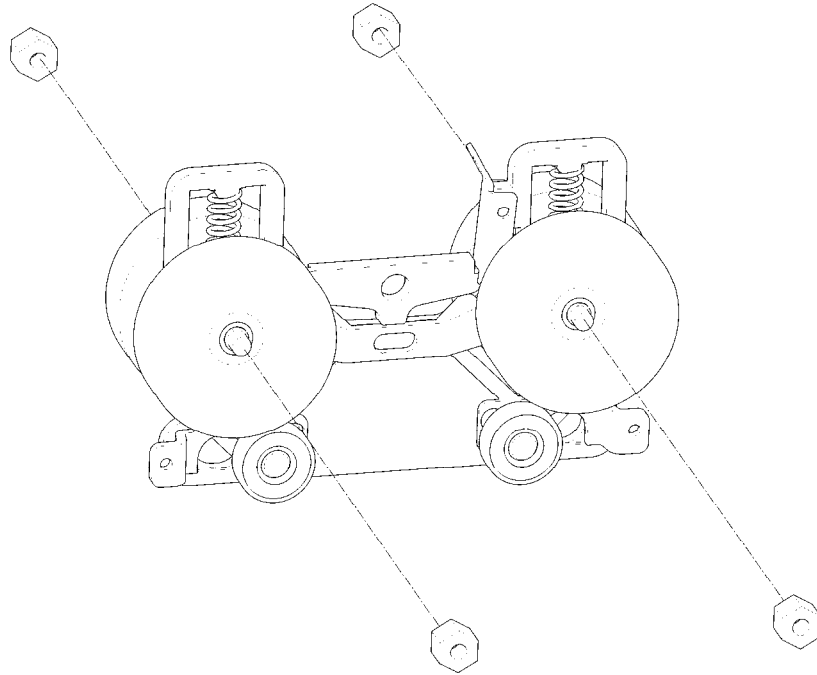


1. Crank the cutter to a position where you can access it to install the cutter cover. BE SURE HANDS ARE CLEAR OF THE TRACK.

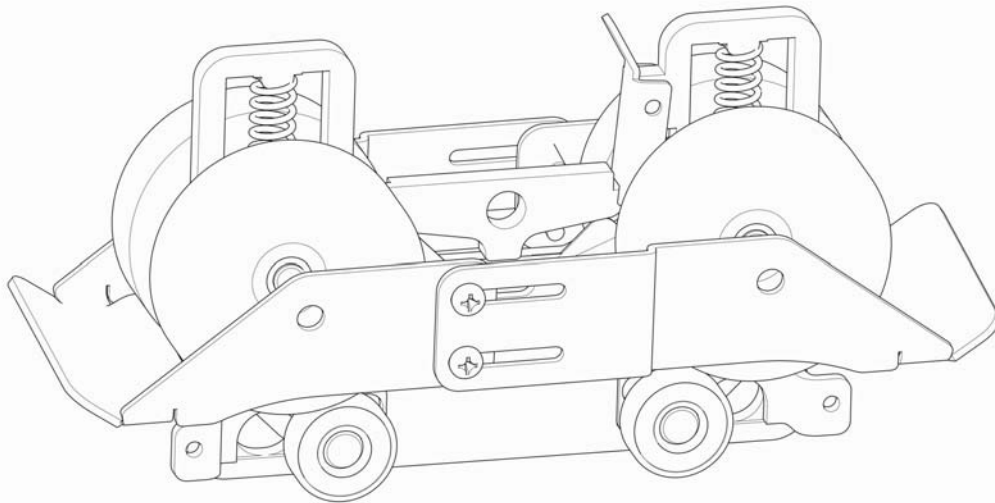


2. Remove wing nuts from the wheels of your cutter. (Some cutters may have plain nuts instead of wing nuts)

## Carousel Mate—Cutter Cover Installation

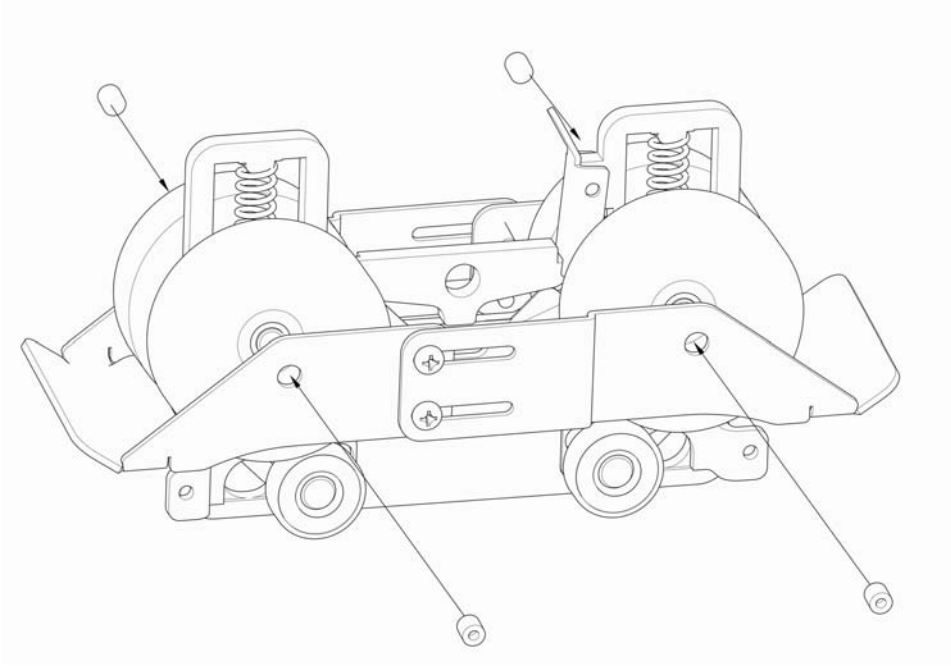


3. Apply non-permanent loctite to the wheel side of the hexagon nut and screw on to existing bolts. (4)



4. Place the cover over the cutter ensuring the screws on the cover are loose to adjust the size as needed.

## Carousel Mate—Cutter Cover Installation



5. Using an 1/8" Allen Wrench insert set screws into the holes to secure the cover. Once the set screws have been tightened proceed to tighten the screws on the cover to secure it in place.



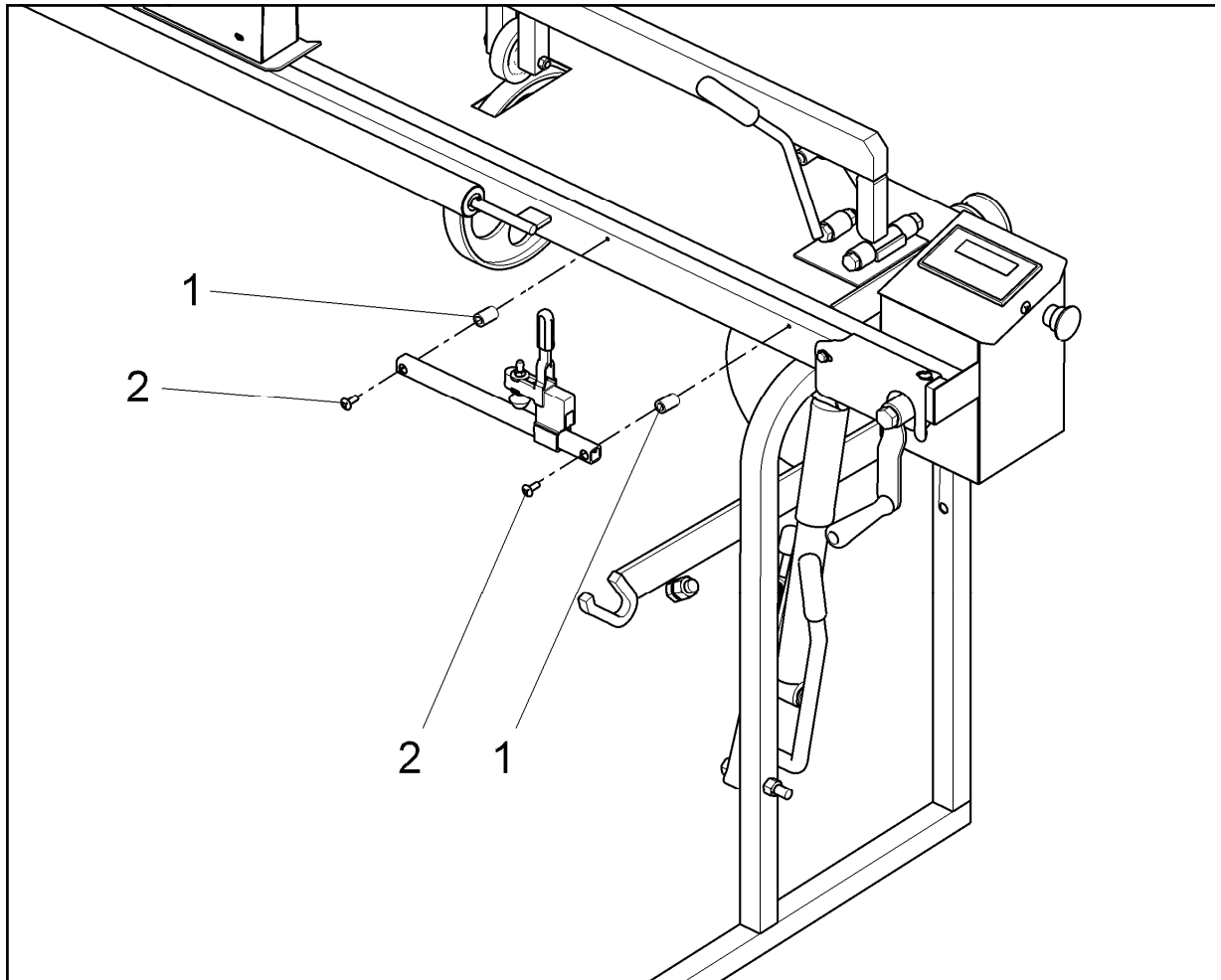
## Carousel Mate—Cutter Cover Installation

### Hold Down Arm Spacer Installation

You will need to install spacers to be sure the cover does not hit the hold down lever.

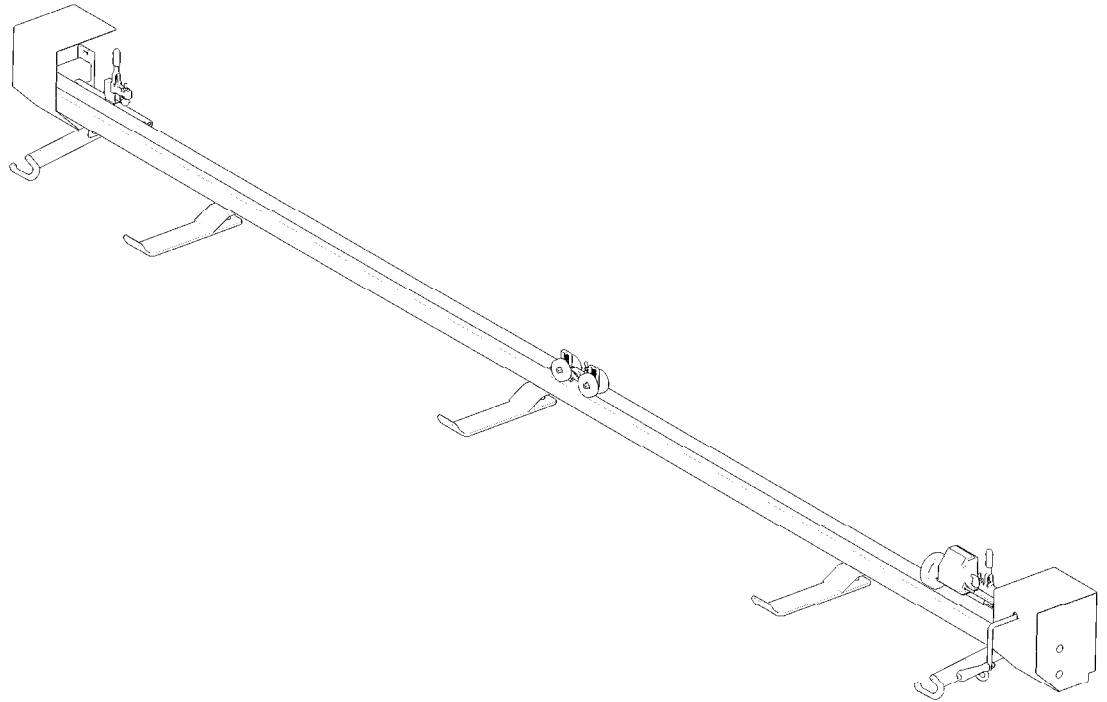
**Kit Includes:** Hold Down Arm Spacers (4), Screw 1/4" x 1 1/4" (4)

**Tools Required:** Screw Driver



1. Remove the existing screws to remove the hold down tube and toggle clamp. Be sure to put your hand under the spacers so they don't drop.
2. Insert extra spacers provided (Item # 1) and insert 1/4" x 1 1/4" screws (item#2) provided. You will need to do this on both ends of the carousel mate.

## Cutting Bar—Cutter Cover Installation



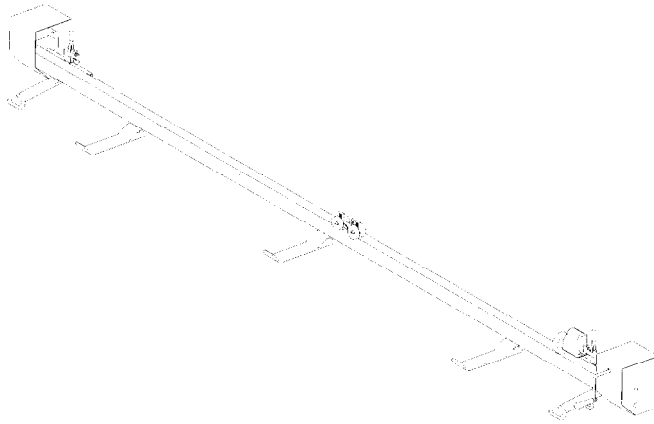
## Cutting Bar—Cutter Cover Installation

### Cutter Cover Installation

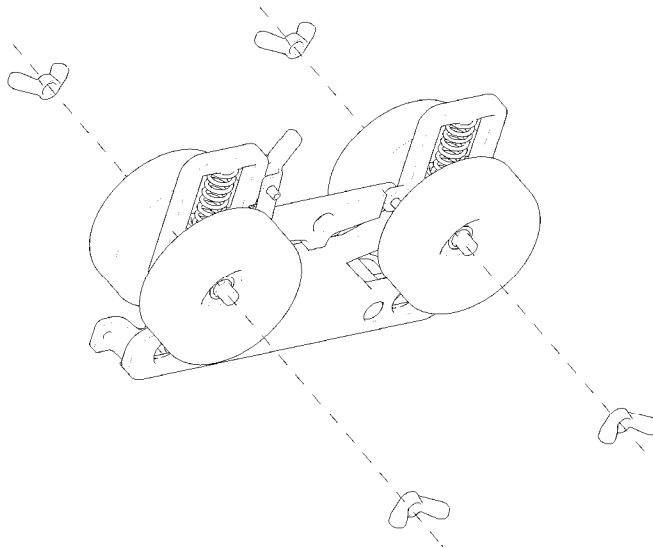
The following instructions will describe the process of installing the cutter cover on your cutting bar. Please follow the instructions carefully to ensure proper installation.

**Kit Includes:** Cutter Cover, Set Screws (4), Hex Spacer (4)

**Tools Required:** 9/16" Wrench, 1/8" Allen Wrench

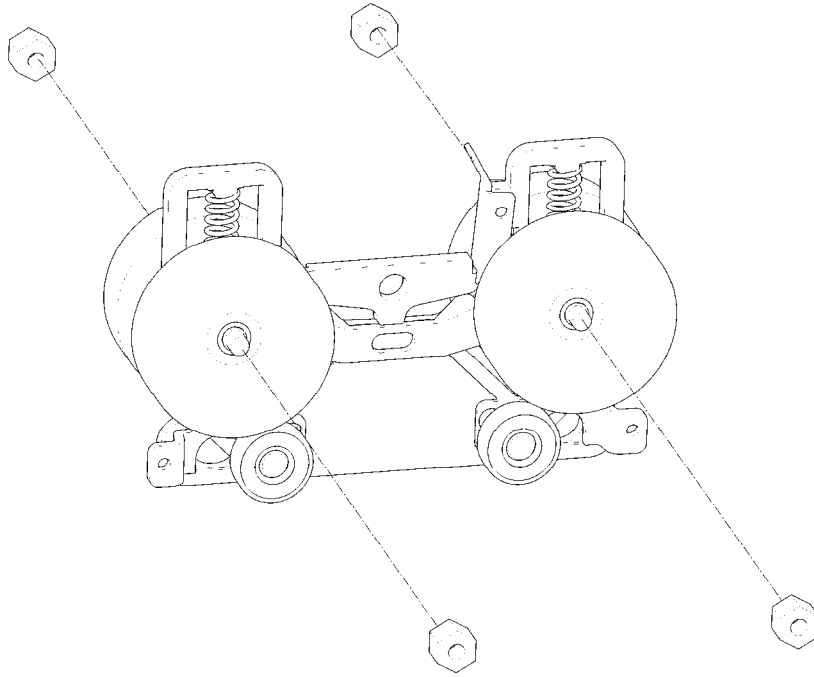


1. Crank the cutter to a position where you can access it to install the cutter cover.  
**BE SURE HANDS ARE CLEAR OF THE TRACK.**

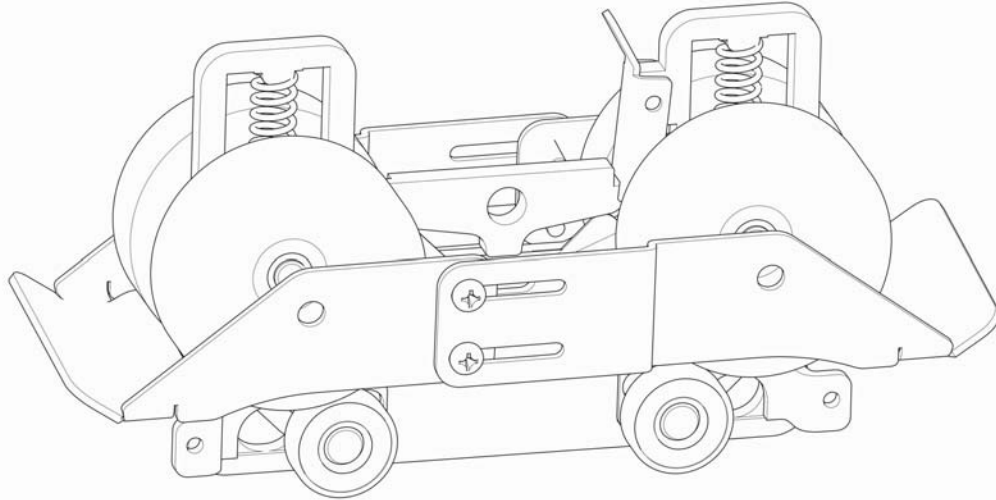


2. Remove wing nuts from the wheels of your cutter. (Some cutters may have plain nuts instead of wing nuts)

## Cutting Bar—Cutter Cover Installation

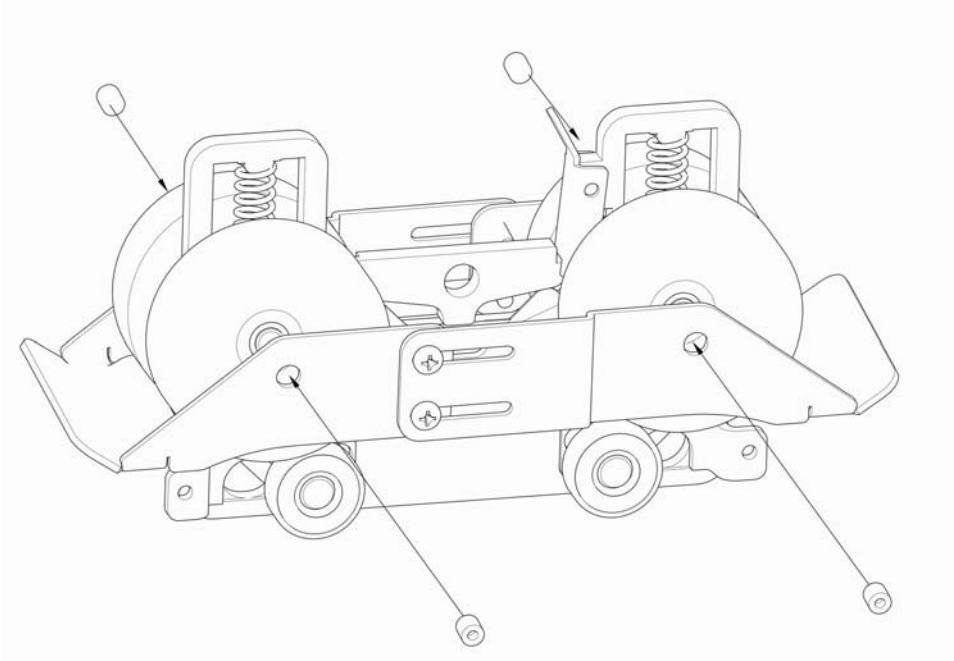


3. Apply non-permanent loctite to the wheel side of the hexagon nut and screw on to existing bolts. (4)



4. Place the cover over the cutter ensuring the screws on the cover are loose to adjust the size as needed.

## Cutting Bar—Cutter Cover Installation



5. Using an 1/8" Allen Wrench insert set screws into the holes to secure the cover. Once the set screws have been tightened proceed to tighten the screws on the cover to secure it in place.

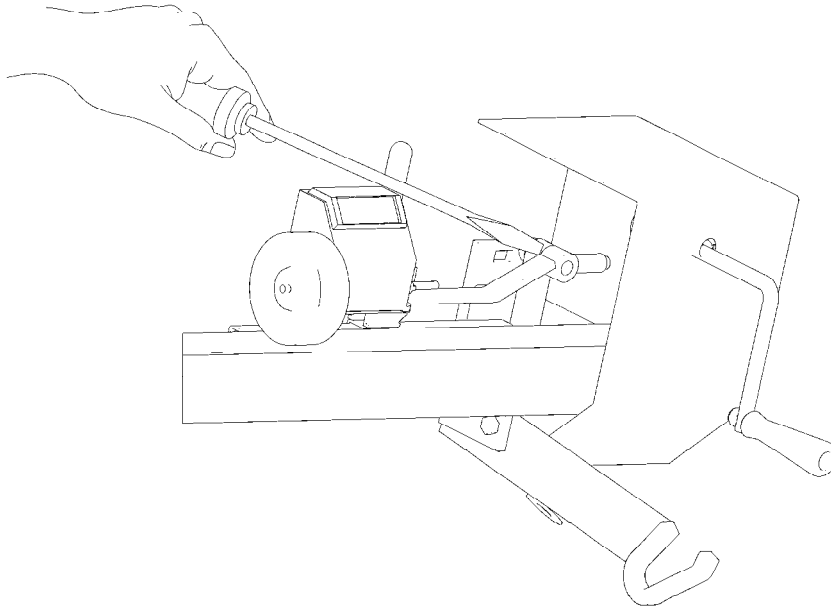
## Cutting Bar—Cutter Cover Installation

### Counter Arm Replacement

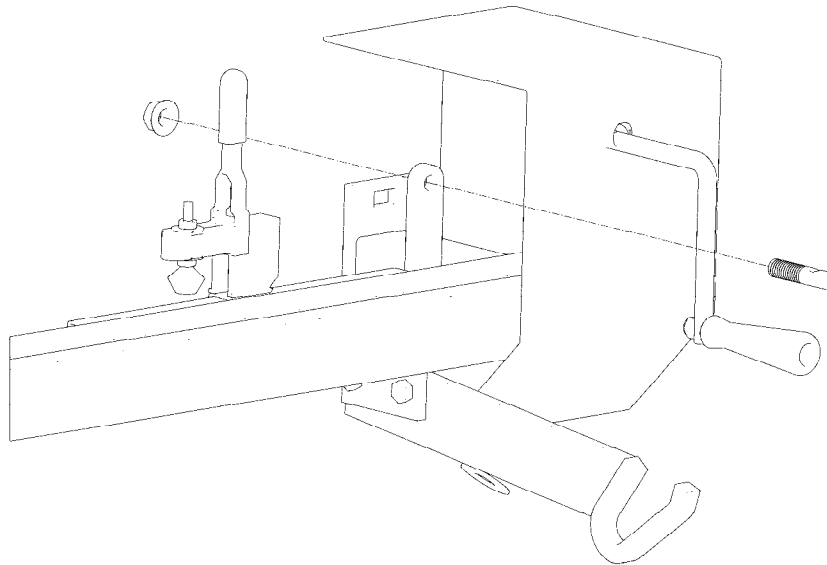
You will need to replace the counter arm to ensure there is enough room for the cutter with the new cover.

**Kit Includes:** Counter Arm, Bolt, Washers

**Tools Required:** Large Flat Screw Driver, 3/4" Wrench

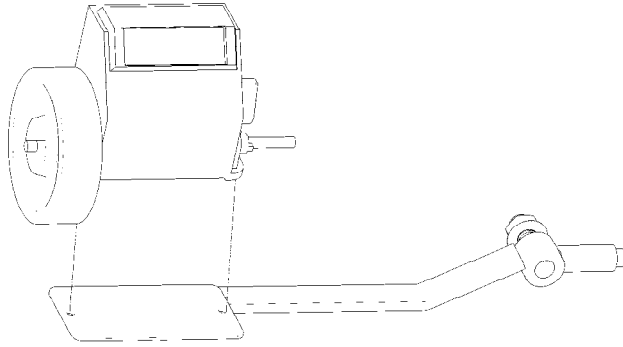


1. Using a screw driver pry the counter arm off of the bolt.

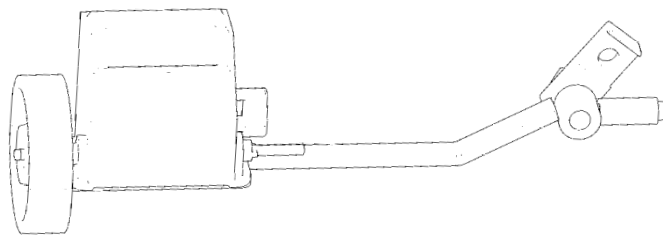


2. Remove the nut and bolt from the mount.

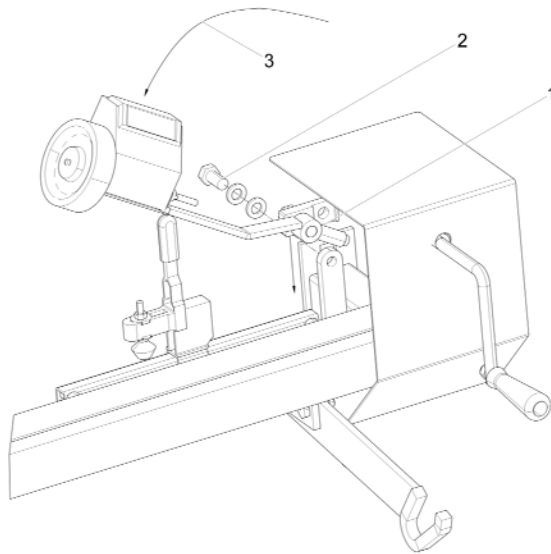
## Cutting Bar—Cutter Cover Installation



3.Remove the counter from the arm.



4.Fasten the counter to the provided arm.

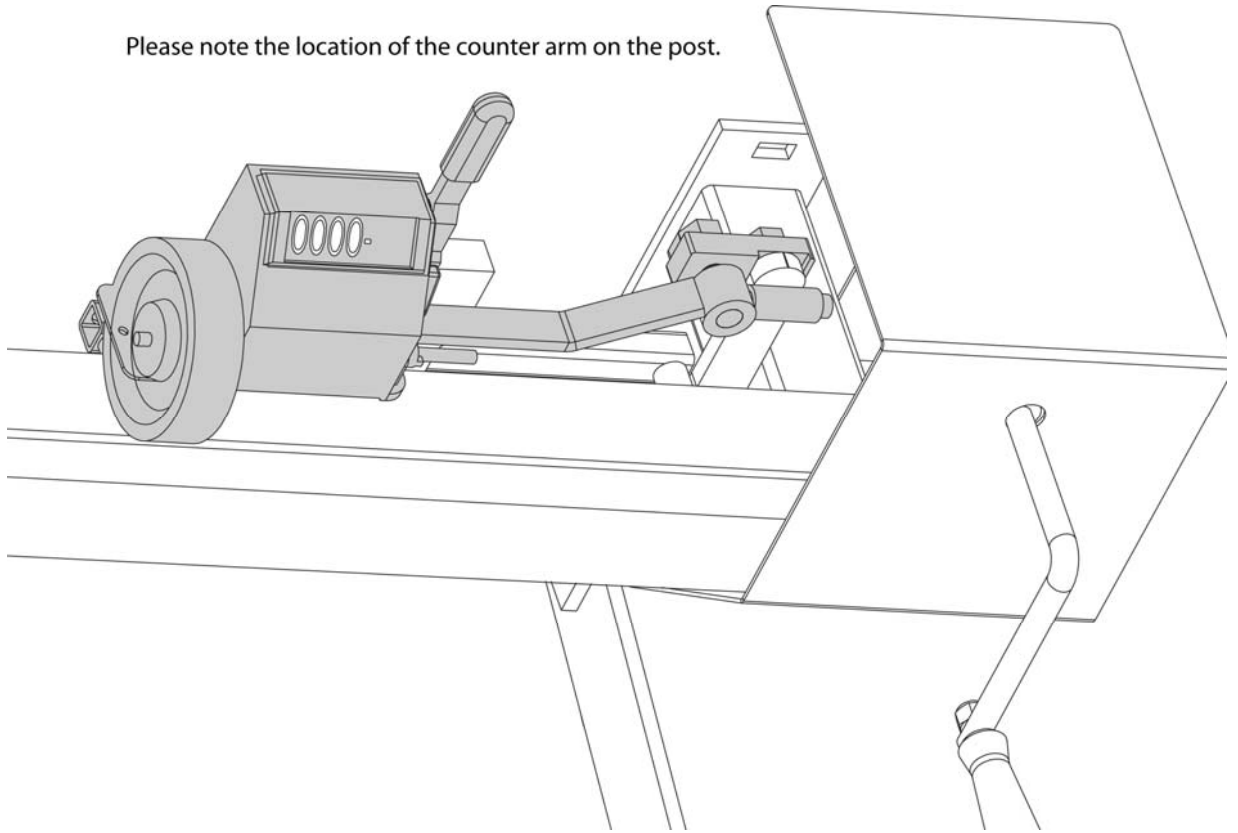


5.Slide the counter arm(1) onto the existing mount of the cutting bar using the provided bolt(2). Flip the counter arm down(3) to set in place.

# Cutting Bar—Cutter Cover Installation

## Final Installation of Counter Arm.

Please note the location of the counter arm on the post.





## Cutting Bar—Cutter Cover Installation

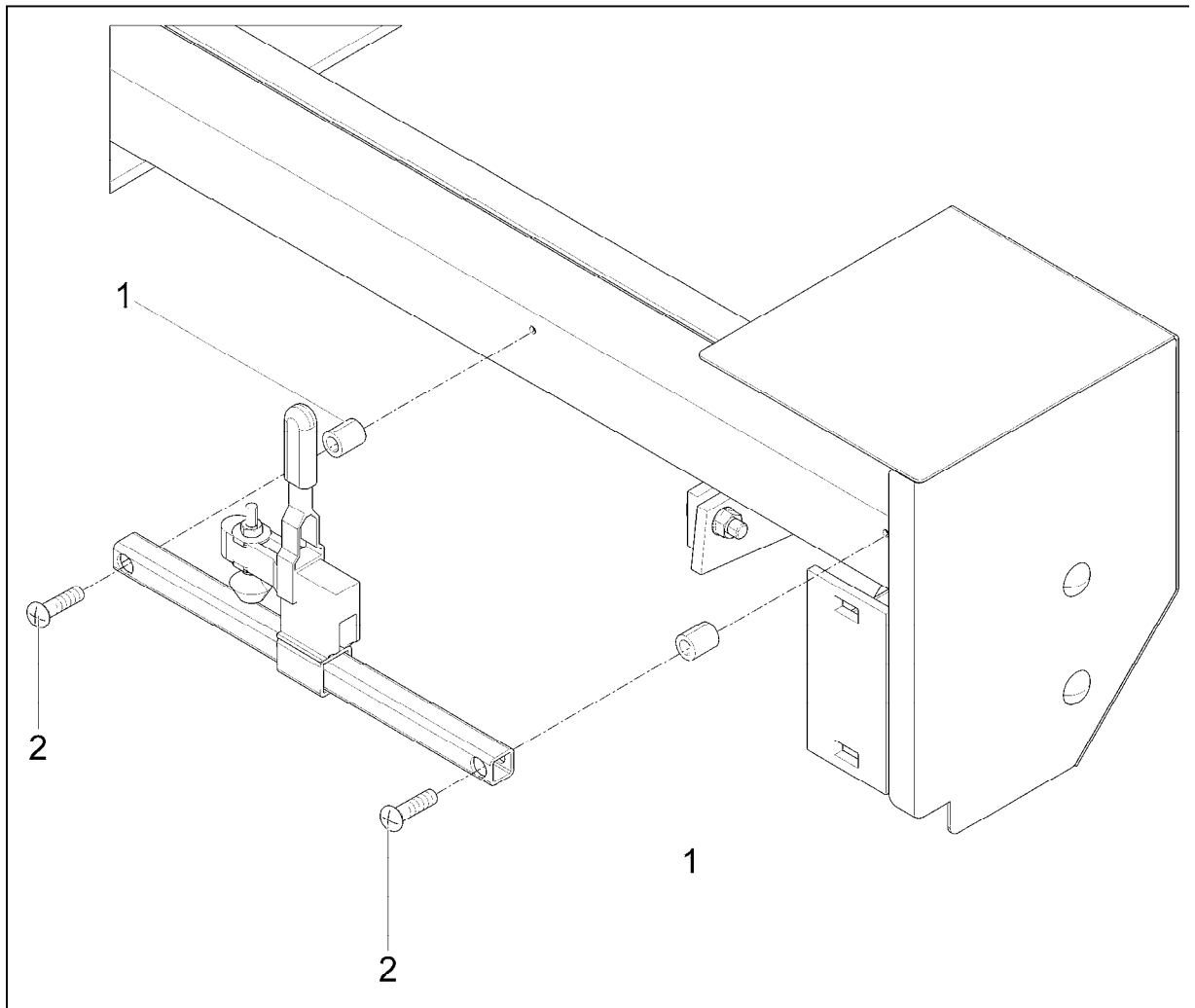
### Hold Down Arm Spacer Installation

You will need to install spacers to be sure the cover does not hit the hold down lever.

**Kit Includes:** Hold down arm Spacers (4), Screw 1/4" x 1 1/4" (4)

**Tools Required:** Screw Driver

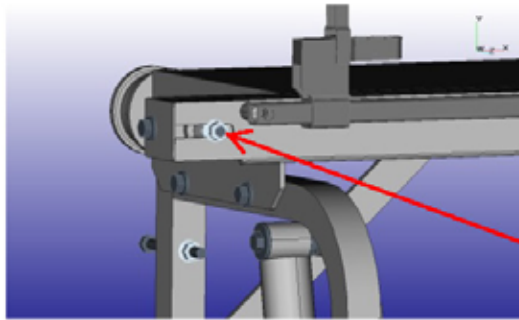
1. Rotate the carousel so there is a roll above and a roll below the cutter to make space for access to the hold down arm. Remove the existing screws to remove the hold down tube and toggle clamp. Be sure to put your hand under the spacers so they don't drop.



2. Insert spacers provided (Item # 1) and insert 1/4" x 1 1/4" screw (item# 2) provided. You will need to do this on both ends of the cutting bar.

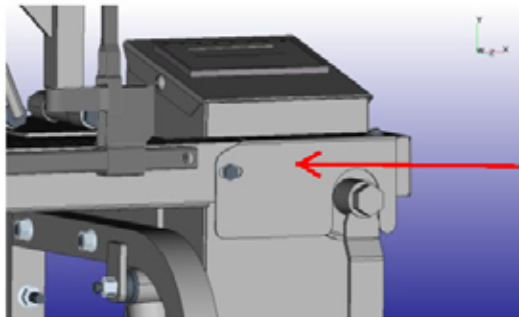
# Carousel Mate

## Double Blade Holder Removal Procedure

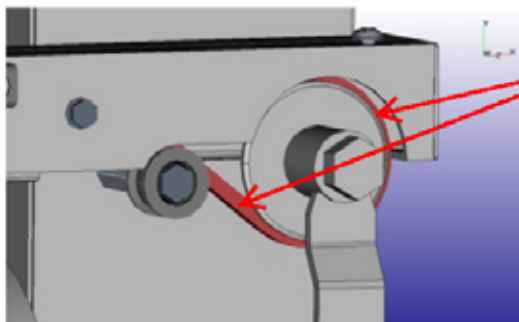


\* Crank the Cutter Assembly to the Left End

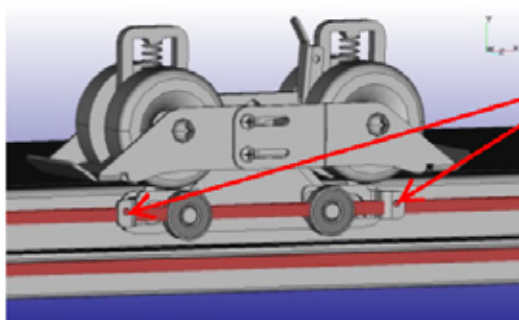
1 - Loosen Chain tension on the left end and loosen the Chain



2 - Remove the Chain Cover from around the Crank on the Right End



3 - Pull the chain off the Sprocket with a small Screwdriver towards the Technician.

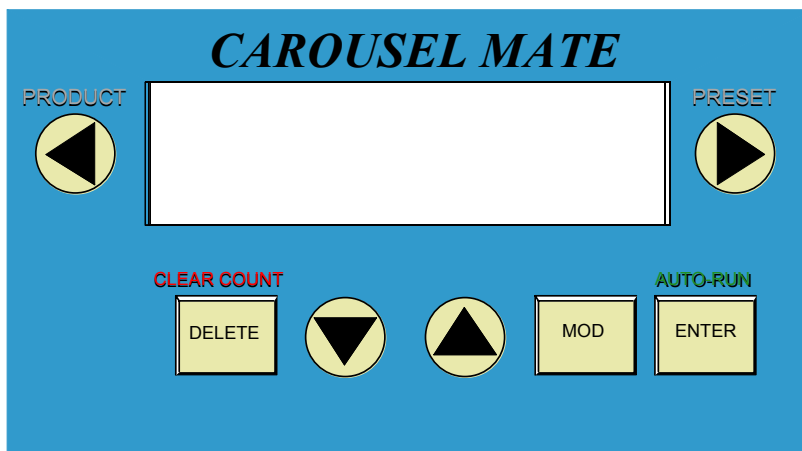


4 - Pull Cutter Assembly far enough out the left end away from the machine to remove the Chain Master Links which are attached to the Chain and the Cutter Assembly.

Reverse Procedure to RE-INSTALL the Cutter Assembly and to Replace the Chain.

**MENARDS CAROUSEL MATE**  
**COUNTER OPERATING AND REPROGRAMMING INSTRUCTIONS**  
**Ver. 5.01**

*Familiarization*





Arrow Keys-	Data entry (used for entering numeric data after MOD is pressed)
Left / Right Arrow-	Moves cursor left/right
Up / Down Arrow-	Increments / Decrements value by 1
Product Key/Left Arrow-	Scrolls the various products (scale factors)
Preset Key/Right Arrow-	Scrolls through various presets (preset lengths)
Delete/Clear Count-	Clears the counter value
Mod Key-	Press to begin change of data
Auto Run Key-	Places machine in Auto-run Mode

***TO REPROGRAM A COUNTER THAT HAS LOST IT'S PROGRAM FOLLOW THE STEPS OUTLINED BELOW.***

***WHILE THE COUNTER IS DISPLAYING THE WRONG INFORMATION PRESS THE LEFT AND DOWN ARROW AT THE SAME TIME.***

*Master User's Menu*







Press the  and  (at the same time) the MASTER PASSWORD is brought up.



```
-----  
| MASTER  PASSWORD |  
|      _ _ _ _      |  
-----
```



For service call  
1-866-821-2647







***To enter the master password***

1. Press  (all data begins to blink)
2. Press .
3. Press   to increment or decrement the value
4. Repeat steps 2 & 3 for remaining digits till desired value is displayed. (4321)
5. Press  when the 4 digit number is entered. (master password is 4321)
6. Press .

Upon entering the correct password you now have gained access to the Master Users Menu. Use  to scroll to the right and  to the left and see the various features






```
-----  
| ENTER NEW PASSWORD |  
|           4321      |  
|-----|
```

***To enter a new password :***

1. Press  (all data begins to blink) Press  (one digit begins to blink)
2. Press   to increment or decrement the value
3. Repeat steps 2 & 3 for remaining digits till desired value is displayed. 4321
4. Press 
5. Press .

```
-----  
| PASSWORD TIMER    |  
|           4321    |  
|-----|
```

***Password Timer:***

1. Press  (all data begins to blink)
2. Press  (one digit begins to blink)
3. Press ,  to increment or decrement the value
4. Repeat steps 2 & 3 for remaining digits till desired value is displayed (100)
5. Press 

For service call  
1-866-821-2647



6. Press 





**Change Blade: N/A**

Press 

**Imperial or Metric**

```
-----  
| 1 IMPERIAL 2 METRIC |  
|           1         |  
-----
```

**To change the setting:**








1. Press 
2. Press  till you reach 1 (IMPERIAL).
3. Press 
4. Press 

**Auto-Run N/A**

Press 

**Carpet one calibration**

**correct value is 228000**

1. Press  (all data begins to blink)
2. Press  (one digit begins to blink)
3. Press ,  to increment or decrement the value
4. Repeat steps 2 & 3 for remaining digits till desired value is displayed 228000
5. Press 
6. Press 
7. Repeat the above steps for Carpet 2 and Vinyl.
8. Press 



For service call  
1-866-821-2647

*Slow down N/A*










Press 

*FS Auto Run N/A*



Press 

Turn the power off and then on      The counter displays enter password.

*Changing machine setup for counter.*








1. Press   (at the same time) counter displays “Config password”
2. Press 
3. Press  (one digit begins to blink)
4. Press ,  to increment or decrement the value.
5. Repeat steps 2 & 3 for remaining digits till desired value “2442” is displayed.
6. Press 
7. Press  to reach “2” for CM
8. Press  Counter displays “enter password.”

*Master User’s Menu*

Press the  and  (at the same time) the MASTER PASSWORD is brought up.

```
-----  
| MASTER  PASSWORD |  
|      _ _ _ _      |  
-----
```

*To enter the master password :*






1. Press  (all data begins to blink)
2. Press  (one digit begins to blink)
3. Press ,  to increment or decrement the value
4. Repeat steps 2 & 3 for remaining digits till desired value 4321 is displayed.
5. Press 
6. Press  “new password”
7. Press  “new password timer”



For service call  
1-866-821-2647

-----  
|      PASSWORD TIMER      |  
100 SECONDS

*Change timer value back to 0 :*

1. Press  (all data begins to blink)
2. Press  (one digit begins to blink)
3. Press   to increment or decrement the value
4. Set value to 000
5. Press  .

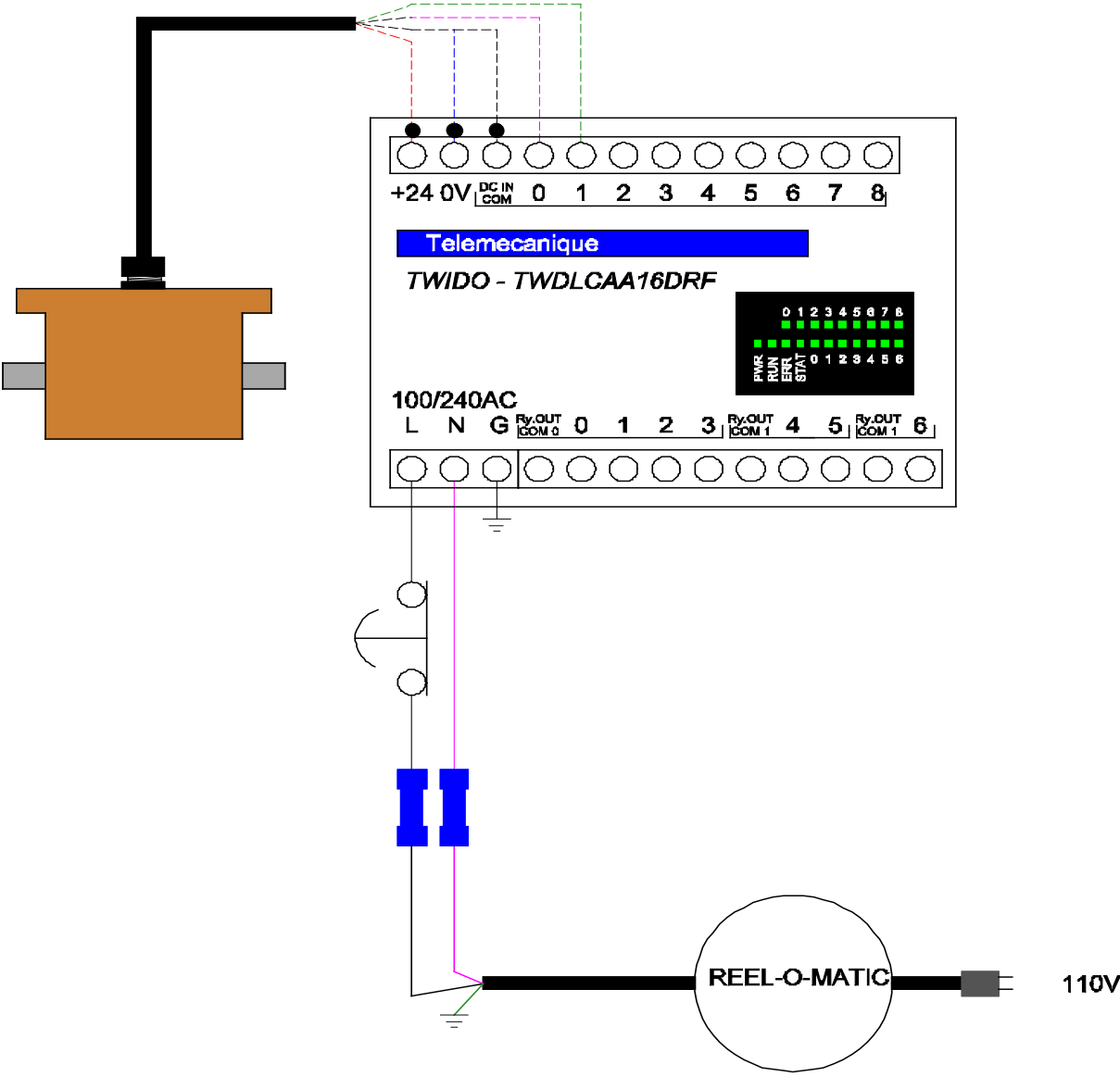
**TURN POWER BUTTON OFF AND ON AGAIN.  
THE COUNTER SHOULD BE BACK TO NORMAL OPERATION.**



For service call  
1-866-821-2647

# WIRING SCHEMATIC

# CAROUSEL\_MATE\_02\_09





# **VIDIR Carousel Mate Preventative Maintenance Checklist**

Company	City	Province	Date of Service:
Store No.	Serial No.	Model/Type	Current Hour Meter Reading
Service Company:		Store Signoff:(Print)	
Service Technician (Print):		Store Title:	
Service Tech Signature:		Store Signature:	

**Preventative Maintenance is Recommended Every 100 Hours or 12 Months. Inspect both sides of the machine.**

The inspection of all hooks, bolts, pins, mounting hardware, chains and the overall condition of these components are critical to ensure machine safety, and integrity of the preventative maintenance process. Initialling each line as indicated below confirms these items have been thoroughly inspected for defects.

✓ Indicates item is inspected and in good condition - ✕ Indicates item requires additional service	Service	Initials
Check guide rail for damage.		
Roll unit back & forth to check the retractable cord reel to ensure that it is in good condition.		
Inspect cord end for any damage.		
Check counter calibration with a tape measure.		
Ensure counter wheel spins freely.		
Clean and lubricate caster wheels.		
Check rear plastic track wheels.		
Check cutter chain tension.		
Check re-roller to ensure latches are in good condition and working properly.		
Inspect cutter blades and change as needed (should be easy to insert blades. If not, clean debris from blade slots).		
Inspect and lube re-roller drop down pivot points.		
Inspect re-roller drop down latch mechanism for proper operation.		

**Required Components**

Parts technician should have on hand for each store that a PM is being done. Estimated time to complete PM about 1/2 hour per machine.					
Qty	Description	Part #	Qty	Description	Part #
4	blades	103-0012	2	Connector links	105-0068

**Conclusion:** This unit has been inspected and serviced for safe operation and is operating as intended by the manufacturer.

Comments and Parts Used (If any):

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Fax completed checklist to 1-204-364-3072 Attn: Service Manager or e-mail to [service@vidir.com](mailto:service@vidir.com)

# **WARRANTY & LIABILITY**

## **Vidir Machine Inc. Warranty Agreement and Limitation of Liability**

1. Vidir Machine Inc. ("Vidir") warrants solely that the equipment shall be free from any defect due to faulty workmanship or material deficiency at the time of delivery to the buyer thereof (the "Buyer") and for a period of one year therefrom.
2. All work except minor repairs or adjustments to the equipment furnished on an emergency basis, will be performed during regular working hours. If the Buyer requests that repair work be performed outside of regular working hours, it is the responsibility of the Buyer to pay the difference between regular and premium labour rates at the then standard hourly billing rate.
3. This warranty shall be voided by any modifications to the equipment or any use of the equipment for any purpose other than that for which it was specifically intended.
4. This warranty is the only warranty made by Vidir. The Buyer hereby expressly waives any obligations or liability, including liability for loss or damages due directly or indirectly, any obligations including, without limitation, loss of use, revenue, or profit, shipping and handling, and injury to person or property.
5. It is the responsibility of Buyer to know, understand and comply with the work and safety laws and regulations in effect and governing Buyer's use of the equipment. To the extent governing law requires inspections, records keeping and/or after-purchase modifications to the equipment, it is the responsibility of the Buyer to arrange for and comply with such requirements and any associated costs are the sole responsibility of the Buyer. Vidir assumes no responsibility or liability for Buyer's performance under or compliance with such laws and regulations.
6. If the equipment is found by the Buyer to be defective, the Buyer must notify Vidir within a period of 30 days of discovery of the defect.
7. The Buyer is expected to provide access to all equipment covered by this warranty. Vidir shall not be responsible for any expense incurred in removing, replacing, or refinishing any part of the building structure necessary for the performance of Vidir's obligations under this warranty.
8. In the event that any alterations, additions, adjustments or repairs are made by others without Vidir's prior written consent, Vidir may, at its option, immediately terminate this warranty by providing written notice to the Buyer.
9. In the event Vidir is required to make emergency calls, repairs and/or replacements under this warranty occasioned by the Buyer or any user's negligence, improper operation or misuse of the equipment or by fire, explosion, flooding, the elements, strikes, labour troubles, vandalism, riots or civil commotion, or by any cause beyond Vidir's control. The Buyer shall reimburse Vidir for such emergency calls, repairs and/or replacements in accordance with the then current rates for such services.
10. Vidir's liability for injury to persons or property shall, in any event, be limited to that caused directly by its negligence. Vidir shall not be liable, however, on any account, for any damage or loss to the Buyer or its dealers, representatives, affiliates or agents resulting from business interruption, inconvenience, loss of profits, or special or, indirect or consequential damage. Vidir shall not be deemed to guarantee or warrant the continuing operation or operating efficiency of the equipment covered, nor shall Vidir be liable for any breakdowns thereof or for any damage to any other property of the Buyer not covered by this warranty but resulting from any breakdowns in or operating mishaps of the equipment covered.
11. Should any payment due by the Buyer become thirty days or more delinquent, Vidir may terminate this warranty by written notice, and all moneys owed Vidir shall be immediately payable on demand.
12. This warranty is not transferable or assignable by the Buyer.
13. Vidir reserves the right to determine, in its sole and absolute discretion the best means and methods to be employed for any corrective or repair work deemed necessary by Vidir pursuant to this warranty.