



ISO9001:2015 certified

# Precision Strip Till



## Owner's Manual

*Our Tradition is Quality Driven and Field Proven*

Manual # - MAN-PST-003

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## **\*PART DIAGRAMS**

Scan the QR Code or visit our website to view our parts book:

<https://www.remlingeremfg.com/agricultural-products/downloads/>



***\*The part combos included in the book are for ST/SS/PST. If your Precision Strip Till Model is not included, please call us at 1-800-537-7370.***

# Warranty Policy

Remlinger Mfg. will warrant all products against defects in material and workmanship manufactured and sold by it. Warranty will only be granted after examination by appropriate personnel. This warranty is expressly limited to the replacement of defective products. This warranty does not obligate Remlinger Manufacturing to cover cost of labor to replace these parts.

Remlinger Mfg. reserves the right to change specifications, add improvements or discontinue manufacture of any of its equipment without notice or obligation to purchasers of its equipment. This warranty gives you specific legal rights. You may also have other rights which vary according to state or province.

**WARRANTY EXCLUSIONS:** Labor, transportation, or any cost related to a service call is not provided by Remlinger Mfg. This Limited Warranty does not apply to damage resulting from misuse, neglect, normal wear, accident or improper installation or maintenance.

**BASIC WARRANTY:** All Remlinger manufactured products are warranted for one year from date of purchase.

**WARRANTY CERTIFICATION:** Warranty registration should be mailed, emailed or faxed within 30 days of purchase. Please see Registration Form on **Page 13**.

**UNAPPROVED PARTS OR MODIFICATION:** All obligations of Remlinger Mfg. under this Warranty are terminated if unapproved parts are used or if equipment is modified or altered in any way not approved by Remlinger Mfg.

# Safety



WARNING! Never attempt to operate or adjust the Precision Strip Till (PST) without reading this manual.



- Never allow anyone to ride on the toolbar or other attachments.
- Drive slowly over rough ground.
- Always slow down when turning.
- Always support the Toolbar and / or Row Units when mounting or working on the PST or other Attachments.
- Never attempt to adjust the PST while it is in motion.
- Periodically check bolts and replace worn ones.
- Be careful around teeth, tines, sweeps, and blades; they get sharper with wear.
- Periodically check tires for wear and proper inflation.
  - o 7.60-15 8 ply **52 psi max**
  - o 9.5L-15 8 ply **44 psi max**
- Hydraulics:
  - o When installing hydraulic hose, make sure all connections are tight and cylinders are full of hydraulic oil.
  - o Relieve pressure in hydraulic lines before uncoupling hoses from source.
  - o Check for and correct all points of abrasion of hydraulic hose. **Do not use a partially damaged hose.**

**Never attempt sharp turns with the PST units in the ground.**

# Pre Assembly Instructions

1. All references to right hand and left hand sides of the implement are determined by facing the machine from the rear.
2. Check your packing lists and report any missing or damaged parts as soon as possible.
3. Lubricate all moving parts and bearings as recommended.
4. Follow assembly instructions in the order shown.
5. This owner's manual should be given to the owner for their reference.
6. Please call if additional manuals are required.

## Recommended Torque Specifications

SAE Grade No.	5		8	
Bolt Head Identification				
Bolt Size	Lb - Ft	N - m	Lb - Ft	N - m
1/4"	9 - 11	12 - 15	12 - 15	16 - 20
5/16"	17 - 20.5	23 - 28	24 - 29	33 - 39
3/8"	35 - 42	48 - 57	45 - 54	61 - 73
7/16"	54 - 64	73 - 87	70 - 84	95 - 114
1/2"	80 - 96	109 - 130	110 - 132	149 - 179
5/8"	150 - 180	203 - 244	220 - 264	298 - 358
3/4"	270 - 324	366 - 439	380 - 456	515 - 618
7/8"	400 - 480	542 - 651	600 - 720	814 - 976
1"	580 - 696	787 - 944	900 - 1080	1220 - 1464
1-1/8"	800 - 880	1085 - 1193	1280 - 1440	1736 - 1953
1-1/4"	1120 - 1240	1519 - 1681	1820 - 2000	2468 - 2712
1-3/8"	1460 - 1680	1980 - 2278	2380 - 2720	3227 - 3688
1-1/2"	1940 - 2200	2631 - 2983	3160 - 3560	4285 - 4827

# Adjusting the PST Row Units

## Adjusting the Shank

**Depth** - The shank can be set to three different depths 5", 6 1/2", and 8". The depth is preset to 6 1/2" from the factory. Remove the two 3/4" bolts and place the shank into the desired position. Replace the bolts. We offer an optional bolt on adapter to attach a mole knife in place of the shank.

**Wear Bar** - A reversible wear bar is located on the front of the shank. Average wear will vary with soil type.

**Fertilizer Tube – (Optional)** The multi purpose fertilizer tube is located on the rear of the shank. The tube allows the application of NH<sub>3</sub>, liquid or dry types of fertilizer. The tube places fertilizer towards the bottom of the strip.

## Adjusting the Closing Blades

**Location and Rotation** - The object of the closing blades is two fold. First, the blades need to catch any soil shattering off the shank. Second, they need to roll the soil back onto the strip. However, do not roll the residue onto the strip. The blade can be rotated and moved forward and back. Loosen the 1/2" u-bolt and move the blade to the desired position. Tighten the u-bolt.

**Down Pressure** – Down pressure can be changed by moving the spring pin on the body of the spring rod up or down. Both sides must be adjusted the same.

**Depth** – Depth adjustments can be accomplished by turning the 5/8" lock nut on the top end of the spring rod in or out. Both sides must be adjusted the same.

## Adjusting the Trash Wheels

**Depth** - The trash wheels do not have down pressure. Both wheels and bracket float. There is a lower limit stop on each side of the main frame that limits the depth of the wheels. The stop is a square block with a hole drilled off of center. Loosen the 1/2" bolt and rotate the block to the desired position and tighten the bolt.

**Width** - The wheels have two width settings. The wheels are preset from the factory in the widest position. Remove the 5/8" bolt from the back of the trash wheel hub. Position the wheel in the desired location and replace the bolt.

## Adjusting the Spring Reset Option

**Spring Tension** - The spring reset is preset at the factory. The preset tension will protect the row unit from rocks that do not hook the shank. If there are large rocks or tree roots that will hook the shank, we recommend decreasing the spring tension.

# Adjusting the PST Options

## Caution

The LH and RH outer row units have a transport lock on the 4, 6, 8, & 12 row tool bars. This lock is only used when the tool bar is free standing. Remember to **remove the pin before going to the field**. The lock is painted **Orange** and is pinned between the two parallel links.

**Never attempt sharp turns with the PST units in the ground.**

## Adjusting the Tool Bar

**3 Pt Hitch** - The 4, 6, and 8 row rigid tool bars are preset at the factory with a cat. II & III hitch spacing. They can be changed to a cat. III N. The 8 and 12 row folding tool bars are preset to a cat. III spacing and can not be changed. For clearance problems we offer a 6" bolt on extension kit for the 8 and 12 row folding tool bar 3 pt. hitch.

## Adjusting the Pull Package

**Clevis Height** - Remove the two 1" bolts and move the clevis up or down. Replace the bolts.

**Tool Bar** - The top link on the PST Pull Package is rigid and should not need adjustment. Donut collars (not supplied) may be used to control the height of the toolbar if needed.

# Maintaining the PST

## Row Unit Lubrication

*Use SAE Multi Purpose Grease*

1. Parallel Link Pin (4 locations) - **Every 25 Hours**  
Located between the mounts to the tool bar and the main frame.
2. Disk Blade Arm Frame Pin (2 locations) - **Every 25 Hours**  
Located on the front inside of the arm frame tube.

## Pull Package Lubrication

*Use SAE Multi Purpose Grease*

1. Transport Pivot Pin (2 locations) - **Every 25 Hours**  
Located on the top inside of the wheel arm tube near the base of the lift cylinder.
2. Lower 3 Point Pin (2 locations) - **Every 25 Hours**  
Located on the end of the hitch between the lower 3 point links.
3. Top Link Pin (2 locations) - **Every 25 Hours**  
Located on both ends of the top link.
4. Top Link Threads (2 locations) - **Every 50 Hours**  
Located on both ends of the top link.
5. Transport and Gage Wheel Bearings - Pack wheel bearings once a year or **every 50 Hours**.  
Also, raise the tires off the ground and check for end play. To eliminate the end play, remove dust cap and cotter pin. Tighten slotted nuts until there is noticeable resistance and back off one slot. Replace cotter pin and dust cap.

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# Troubleshooting

Problem	Cause	Solution
<b>Parallel links unparallel</b>	Toolbar out of adjustment	Rotate the top link to flatten the top of the toolbar.  Adjust the height of the toolbar. Bottom of bar should be approximately 22" off ground.
	Excessive spring pressure	Back off the two 3/4" nuts to relieve the reset spring pressure.
<b>Shank not tripping</b>	Spring travel pin seized	Oil the center spring travel pin, remove the spring and manually trip the shank to loosen the seized pin.
	Worn linkage parts	Check upper and lower linkage pins for wear. Also check for bent or worn linkage bars.
	Trash wheels too high	Loosen the 1/2" bolt and rotate the stop block to a lower position and tighten the bolt.
<b>Residue plugging</b>	Heavy residue (corn to corn)	The trash wheels are floating on top of the corn residue and not pushing it aside. Optional trash wheel lock down kits are available.
	Closing disk too wide in front	Narrow the gap between the fronts of the closing disk to keep residue from rolling back into strip.
<b>Residue in strip</b>	Heavy residue (corn to corn)	The trash wheels are floating on top of the corn residue and not pushing it aside. Optional trash wheel lock down kits are available.
	Closing disk too narrow in rear	Widen the gap between the rears of the closing disk to allow the soil to flow.
<b>Plugging behind shank</b>		

# Troubleshooting

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
<b>Plugging front of shank</b>	Coulters worn	Coulters are dull or worn and should be replaced.
	Trash wheels too high	Loosen the 1/2" bolt and rotate the stop block to a lower position and tighten the bolt.
	Heavy residue (corn to corn)	The trash wheels are floating on top of the corn residue and not pushing it aside. Optional trash wheel lock down kits are available.
<b>Gouging along strip</b>	Closing disk to low	Depth adjustments can be accomplished by turning the 5/8" lock nut on the top end of the spring rod in or out. Both sides must be adjusted the same.
	Excessive disk pressure	Down pressure can be changed by moving the spring pin on the body of the spring rod up or down. Both sides must be adjusted the same.
<b>Rows not penetrating</b>	Toolbar out of adjustment	Rotate the top link to flatten the top of the toolbar.
	Coulters worn	Coulters are dull or worn and should be replaced.
	Ripper points worn	Points are worn and not allowing the row to pull into the ground. Points should be replaced.
	Hard compacted soils	Rows may need additional force to penetrate harder soils. Optional down pressure spring kit is available.

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# Registration Form Strip Till

Please Return With-in 30 Days of Purchase

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email: \_\_\_\_\_

## How did you hear about us:

Social Media    Google    Farm Show    Friend    Ad    Dealer

Other: \_\_\_\_\_

**Serial Number:** \_\_\_\_\_ (located near 3 pt hookup)

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## Dealer Purchased From

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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**Mail to:** Remlinger Manufacturing Company, Inc.  
16394 US 224  
Kalida, OH 45853

**Fax to:** 1-419-532-2244

**Email to:** agsales@remlingermfg.com

**Thank you for purchasing Remlinger Equipment!**

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Parts Book



Email Tech Support