



STP Installation Instructions








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Safety

A brief description of signal words that may be used in this installation brochure:

<h1>Note</h1>	Used to address safety practices not related to personal injury.
 <h2>Caution</h2>	Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
 <h2>Warning</h2>	Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death. It may also be used to alert against unsafe practices.
 <h2>Danger</h2>	Indicates an imminently hazardous situation that, if not avoided, will result in serious injury or death. This signal word is to be limited to the most extreme situations.

	<h1> Danger</h1>
<p>Consult your implement and tractor operators manual for correct and safe locking position of the unit in the upward or raised position.</p> <p>FAILURE MAY RESULT IN PERSONAL INJURY OR DEATH.</p>	

	<h1> Warning</h1>
<p>Servicing machine in the upward or raised position; position locking devices in proper position and or install safety stand to prevent accidental drop or fall and injury.</p>	




! Warning

When handling blades wear protective foot wear such as steal toed boots. No open toed shoes.



! Warning

Only use hub bosses to rotate STP True- V blades. Do not place fingers between blades during rotation.



A photograph showing a person's hand adjusting a large, black, circular blade. The blade has a scalloped edge and is mounted on a metal frame. The person is using a small metal tool to adjust the blade's position.



! Warning

Blades are sharp, wear leather gloves when handling and installing.



! Danger

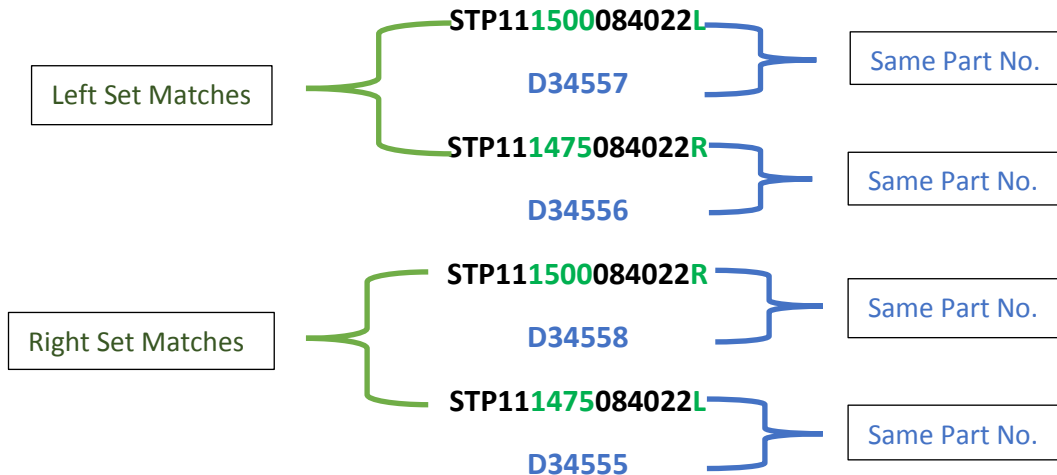
Do not ride on top of the planter unit, serious injury or death will occur.

STP True- V Installation Instructions:

For: Harvest International, Horsch, John Deere, Kinze, and White:

4 Different Blade types:

PTT Part Numbers green: Kinze part numbers blue



WARNING: Blades are sharp use leather gloves and use caution.

Setting in the Tractor Seat

Install the **STP111500084022L** on the left side of the planter, facing outward on half of the row units. Mate the **STP111475084022R** to the **STP111500084022L** on the opposite side of each units.

NOTE: Blades should be equally spaced on each side of the shank.

Install the **STP111500084022R** on the right side of the planter, facing outward on half of the row units. Mate the **STP111475084022L** to the **STP111500084022R** on the opposite side of each units.

Note: Blades should be equally spaced on each side of the shank.

- Raise planter off the ground and secure with **safety lock** and **safety stand**.
- Remove gauge wheel arms
- Remove scrapers
- Remove existing blades



- E. Use 1 ¼ "x 5/8" R and L threads for mounting of heavy duty double roller bearing and hub.
- F. **WARNING:** Left hand side of the unit uses left hand threads. Right hand side of the unit uses right hand threads
- G. Install new STP blades 15" and 14.75" as a mate set. Place the 15" L and 14.75" R on the left side of the planter units. Place the 15" R and 14.75" L on the right side of the planter units.
Note: The 15" blade should face outward from the planter center.
- H. Correct shimming! Both blades need to be equally spaced from shank.

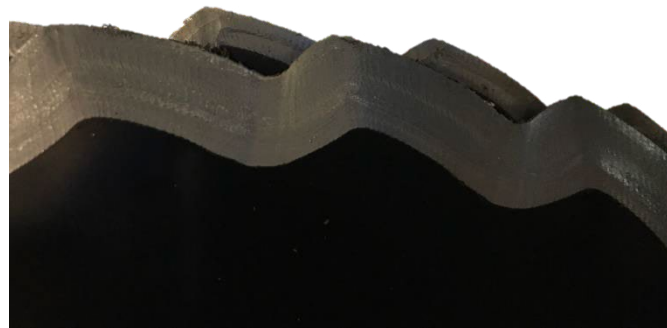
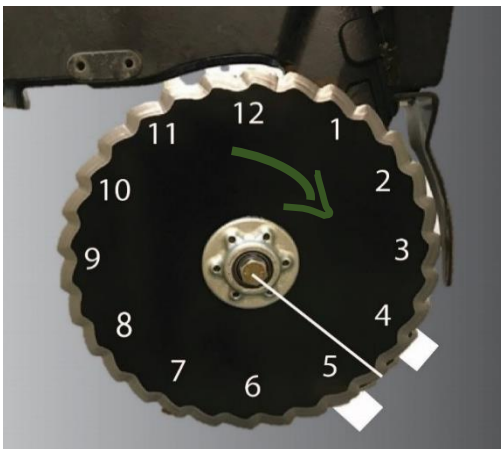
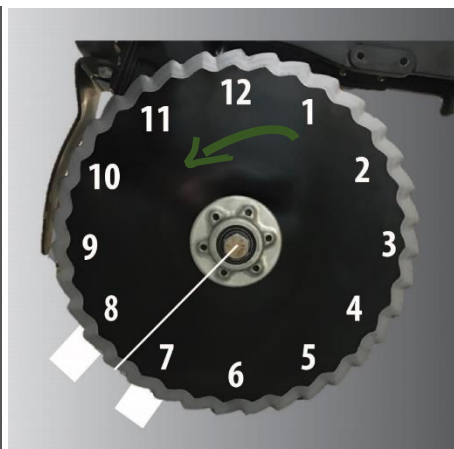


Figure 1



Right hand blade

Figure 2



Left hand blade

Figure 3



Rotating blade with hub boss

Figure 4

- I. Position teeth in interlock contact (Figure 1), at the 4:30 o'clock position on the right-hand side (Figure 2) and 7:30 o'clock position on the left-hand side (Figure 3). **USING TWO BUSINESS CARDS POSITION BLADE MATING CONTACT AT 1-1.75" (2.54cm-4.5cm).** Blades are to run in interlock contact with each other. Using hub bosses; (figure 4) Rotate blades in forward motion, with slight opposing hub resistance of 2-5 pounds. **When rotating blades use hub bosses to protect from injury** and not to affect turning resistance.

Note: Blades have a chamfer on the inside to allow for mating. Smaller blades rotate faster than larger blades. Out of spec pre-load may cause pre-mature wear.

- J. As disc wear; Spacing will need to be adjusted to keep blade contact. (similar to OEM spec) Blade should be replaced as per OEM diameter spec.
- K. Reinstall scrapers and gauge wheels. Gauge wheel setting is the same as OEM specs.

Shank with Lead Blade Configuration

CRUSTBUSTER

CNH

GREAT PLAINS

WARNING: Blades are sharp use leather gloves and use caution.

Installation; Lead blade configuration on the shank uses two blades of the same size with rights and lefts.

- A. Raise planter off the ground and secure with **safety locks** and **safety stands**.
- B. Remove Gauge wheel arms and scrapers
- C. Remove existing blades.
- D. Use 1 ¼ "x 5/8 " R and L threads for installing of heavier double roller bearing and hub.

WARNING: Left hand side of the unit uses left hand threads. Right hand side of the unit uses right hand threads.

- E. Install new PTT blades using one right and one left on each unit.
- F. Maintain equal blade spacing from the shank or furrow point.
- F. Trailing blade should have business card gap between it and leading blade in full rotation.

Note: Blades will make contact during soil engagement.

- G. Blade wear: As disc blades wear off spacing will have to be adjusted to maintain PTT specs.
- H. Reinstall scrapers and gauge wheel arms. Gauge wheel spacing is the same as OEM specs.

Prescription Tillage Technology reserves the right to modify instructions.