

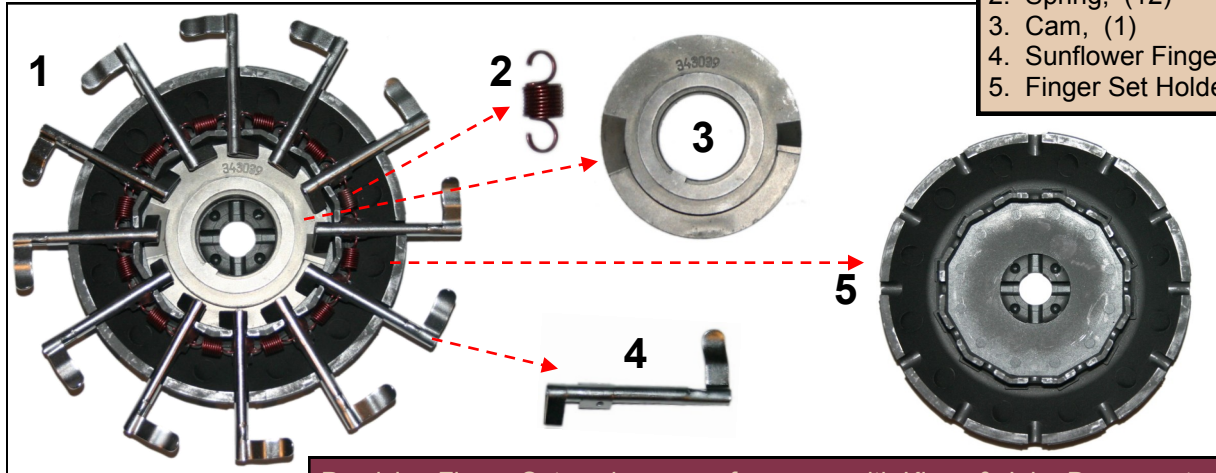
PRECISION FINGERS

Sunflower Finger Set Installation Instructions

Parts List

Note: When planting sunflowers be sure and use the C-Insert and a blank brush with the Popmax plate.

1. Finger Set, (343067)
2. Spring, (12)
3. Cam, (1)
4. Sunflower Finger, (12)
5. Finger Set Holder, (1)



Precision Finger Sets enhance performance with Kinze & John Deere meters. For maximum performance use with Precision PopMax Backing Plate.

- Step 1** Slide the finger set over the shaft and rotate counter-clockwise until it seats against the backing plate. You will feel 2 clicks, one when the finger holder engages the roll pin, and a second click when the cam engages the bearing housing.
- Step 2** Hold the finger set down and rotate clockwise, making sure there is no air gap between the finger holder and the backing plate. The fingers should dip into the exit hole, and then lift out without catching.
- Step 3** While holding the finger set firmly against the backing plate, spin the nut down until it first contacts the top of the finger set holder. Mark one of the six points on the nut and the corresponding point on the finger set holder. (Figure 1)
- Step 4** Tighten the nut $\frac{1}{2}$ - $\frac{3}{4}$ flat past the marked contact point. (A flat is one of the six sides of the nut.) This should create some drag on the finger set, but should not make it hard to turn. (Figure 2)
- Step 5** Place the slotted nut cover over the nut and insert the cotter pin.
- Step 6** Rotate the finger set clockwise and make sure that the fingers open and close properly. Fingers should be closed from the 8:00 to 2:00 position (exit hole) and open from the 2:00 to 8:00 position.

Note The flag on every finger should follow the contour of the bumps and valleys as they rotate through the action site, left of the brush.

Be cautious in using seed treatments and additives. They can cause meter performance problems, premature wear, and increased debris build up on meter parts.

Always use graphite when using seed treatments. (1-2 tbs per bag)

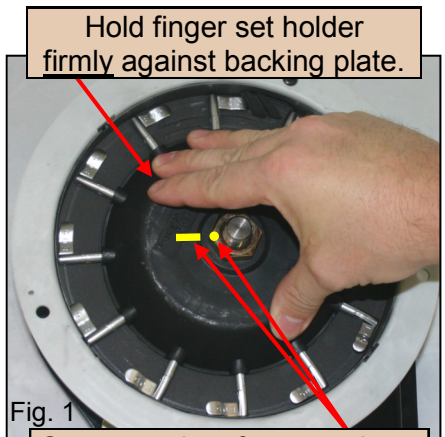


Fig. 1

Hold finger set holder firmly against backing plate.

Contact point of nut, mark on nut and finger set holder.

Nut $\frac{1}{2}$ - $\frac{3}{4}$ flat tight (proper tension)

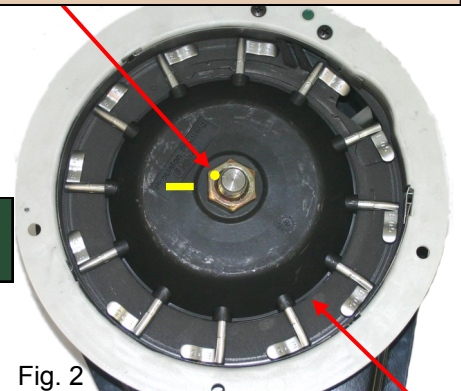


Fig. 2

Ensure that no air-gap exists between finger set holder and backing plate.

Questions? Check the website: www.precisionplanting.com or call us at 309-925-5050.

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PRECISION FINGERS

Annual Maintenance

Precision Finger Sets should be inspected and maintained annually.

- 1) Remove black plastic cover and clean out debris from meter.
- 2) Wipe seed treatment build up from fingers and backing plate with damp cloth.
- 3) Inspect springs and fingers for damage or wear.
 - The primary wear spot on a finger is the inner heel, where it rubs on the backing plate.
 - Replace fingerset if flat spot exceeds 1/16" across.
- 4) Inspect backing plate and replace if wear is apparent on the action sites to the left of the brush.
- 5) Inspect brush and replace annually or every 75-100 acres per row.
- 6) Inspect seed belt for damage or stiffness from age.
- 7) Reinstall finger set and adjust nut tension.
- 8) **Test meters on MeterMax® Test Stand to insure Maximum performance.**

Note: Do not use solvent based lubricants such as WD-40™ on finger meters.

Troubleshooting Guide

Problem	Solution
Finger does not follow contours of action sight	<ol style="list-style-type: none"> 1 ► Check for damaged or improperly assembled springs & fingers. 2 ► Cam is not engaged on bearing. 3 ► Fingerset is too tight.
Finger catches when rotated toward exit hole.	<ol style="list-style-type: none"> 1 ► Cam is not engaged on bearing. 2 ► Check for damaged finger.
Finger set tightens up when running.	<ol style="list-style-type: none"> 1 ► Housing may be out of tolerance. <ul style="list-style-type: none"> - Lay a 6" straight edge across the finger contact surfaces on the PopMax while installed on the belt housing. - If the center ring is higher than the outside ring, the belt housing is flawed and needs to be replaced.
Finger set torque is uneven and alternates from tight to loose.	<ol style="list-style-type: none"> 1 ► Backing plate is not secured tightly to belt housing. 2 ► Belt housing or finger holder is warped. 3 ► Drive wheel is warped or belt is rubbing in belt housing. 4 ► Bearing is not seated properly on belt housing. 5 ► Chrome backing plate is warped.
Meter does not deliver correct population.	<ol style="list-style-type: none"> 1 ► Check for debris or build up in meter. 2 ► Check nut tension of fingerset. 3 ► Adjust brush setting for seed size. 4 ► Add graphite or reduce graphite.

Always pay attention to your seed monitor, operating manual, and the amount of seed you are planting compared to your expectations.

Always investigate abnormalities!

Warranty: Precision Planting Inc. warrants this product to be free from defects in material or workmanship during the first year of service. Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that in our judgment shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from the date of failure – routed through the dealer from whom the purchase was made. Shipping charges prepaid.

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