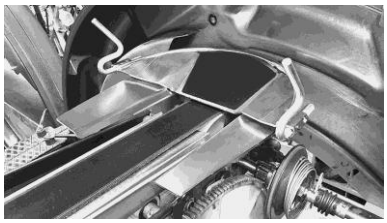


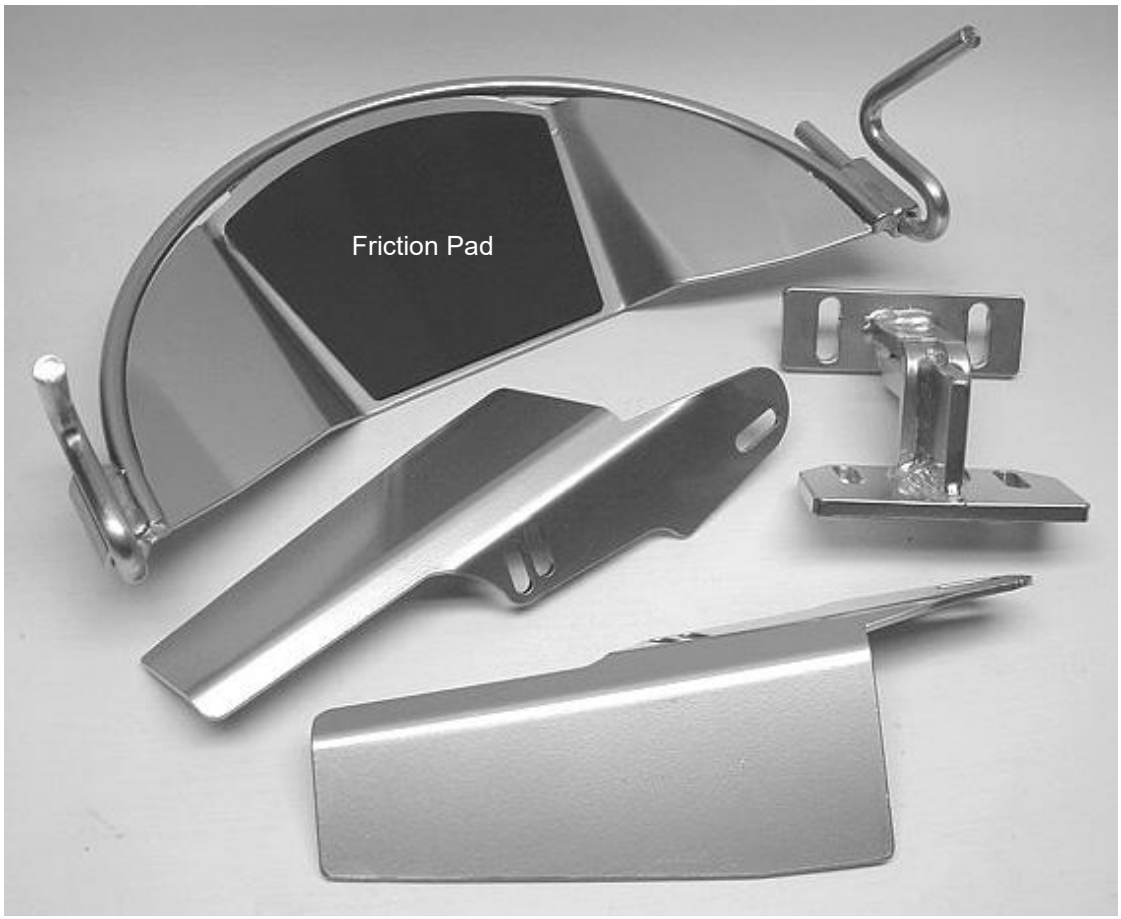
Stationary Orientor Pan

S.O.P 090-003-077-B

Installation instructions

Rev 04-2017

Contents	Hardware	
[1] Stationary Pan	[2] 5/16-18X1-1/4” bolt	[4] ¼-20X1/4” set screw
[1] Mounting Bracket	[2] 5/16-18X1” bolt	[3] ¼” washer
[1] Side Wing Rail - RH	[4] 5/16-18” locknut	[2] Adjustable Pin Guide
[1] Side Wing Rail - LH	[2] 5/16” washer	Friction Pad Sold Separately



Disassembly - Remove Pinspotter Power Plug.

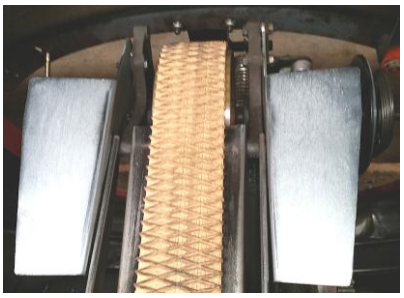
Distributor at #1 bin position - Remove OEM orient pan saving fasteners for reuse.

Side Wing Rails

Use saved fasteners to loosely secure RH and LH *Side Wing Rails* onto distributor (image right) casting holes where OEM pan was previously mounted.

Use included ¼" flat washers for spacing between distributor (image far right) casting and trip lever arm bracket.

Choose forward slotted hole (towards bin) for OEM position. Choose rear slotted hole (recommended) to extend rails toward bin.



Mounting Bracket Location

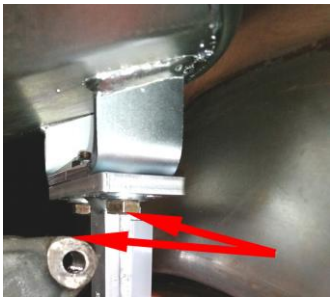
Mounting Bracket mounts in the two upper guard support hoop weldment holes (image right) under pinwheel curvature.

Install Mounting Bracket Pan Assembly

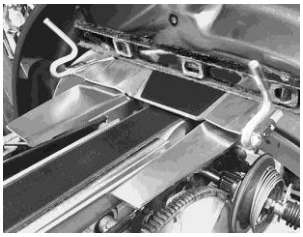
Remove OEM bolts from upper guard support hoop weldment holes.

Loosely secure *Pan Assembly* (image above right) *Mounting Bracket* to the two holes of upper guard support hoop weldment with included 5/16-18X1-1/4" bolt washer and lock nuts.

Mounting Bracket positioned at its' lowest point must be high enough for *Stationary Pan* mounting bolts (image right) to clear top of distributor (yoke) casting.



Stationary Pan Height Adjustment



Adjust *Stationary Pan* height for satisfactory belt clearance and pin-drop.

Level *Stationary Pan* before firmly securing.

Adjustable Pin Guides.

Adjustable Pin Guide flush with back of guide retainer (image right) allows OEM measurement between guide and pinwheel.

Adjustment towards pinwheel narrows measurement (image far right) between guide and pinwheel making head-of-pin turn more quickly. Two ¼-20X1/4" set screws secure guide on underside of guide retainers.

Test-Run

Check for firm securing of all installation hardware before pinspotter test-run.

During pinspotter test-run (and as future needs indicate) refer to **Trouble Shooting and Adjustment Tips** (page 4) to fine tune *Stationary Pan*, *Side Wing Rails* and *Pin Guides*.

Installation - Occasional Issues

Problem; Slotted holes offer inadaquate adjustment for spacing between *Stationary Pan* and pinwheel.

Pinwheel guide rollers not shimmed correctly or rollers excessively worn – correct as needed.

Pinwheel (plastic) strip excessively worn or missing – replace strip.

Trouble Shooting and Adjustment Tips

Problem; Pins do not drop in middle of pan.

Adjust pin guide rail (kidney) forward or backward to compensate for pin-drop.

Problem; How to get pins to turn more quickly onto pan?

Adjust *Pin Guides* inward (towards pinwheel) to turn pin more quickly – outwards (away from pinwheel) to slow down pin-turn.

Problem; Pins sluggish transitioning from *Stationary Pan* onto distributor belt at 7 & 10 pin positions.

Side Wing Rail adjusted too high – adjust for optimal roll-off.

Side Wing Rail adjusted too low – adjust for optimal roll-off.

Check for loose, cracked, broken or missing belt runner.

Adjust *Pin Guides* to help pins turn quicker onto distributor belt.

Problem; Occasional head-first pin delivery.

Level *Stationary Pan* is to distributor assembly with level across top of *Stationary Pan*.

Adjust pin guide rail (kidney) forward so pin will drop later onto *Stationary Pan*.

Adjust pin guide rail (kidney) upward to create more tension on pin travel.

Problem; Pins roll off side of distributor belt.

Side wing Rails positioning too far down – adjust *Side Wing Rails* upward to compensate for pin roll-off.

When present, remove belt riser from under distributor belt in front of rear drive pulley.

Problem; *Side Wing Rails* rubbing or hitting the bottom of *Stationary Pan*.

Adjust *Stationary Pan* higher to clear *Side Wing Rails*.

Adjust *Side Wing Rails* outward by using second adjustment slotted hole.

Remove distributor spacer between distributor assembly and distributor arm mounting pin.