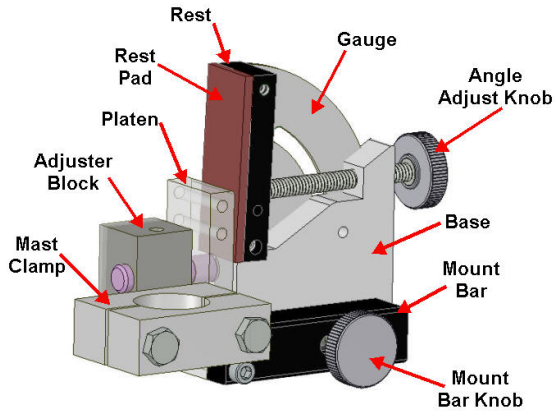


KALLYREST INSTALLATION

Kallyrest Parts



Basic Installation Steps

Installation is simple, easy and involves the following steps:

1. Remove the stock Platen.
2. Install the UHMW plastic Rest Pad.
3. Install the Mast Clamp.
4. Install Adjuster Block and Platen.
5. Adjust the Platen for perfect belt/Platen alignment.
6. Attach the Mount Bar and Rest assembly.

Orientation & Tools

Standing in front of the Kally (mast on right, motor on left), front is nearest you, right is to your right, left is your left, back is farthest from you.

A 5/32" and 1/8" hex key (Allen) wrench are required for installation and included with the Kallyrest. The parts envelope contains the two hex keys, 1/2" nylon Mount Bar Knob spacer and the UHMW plastic rest pad. Additionally, you will need an adjustable wrench or 7/16" wrench or socket for the Mast Clamp bolts.

Step 1: Remove the Stock Platen

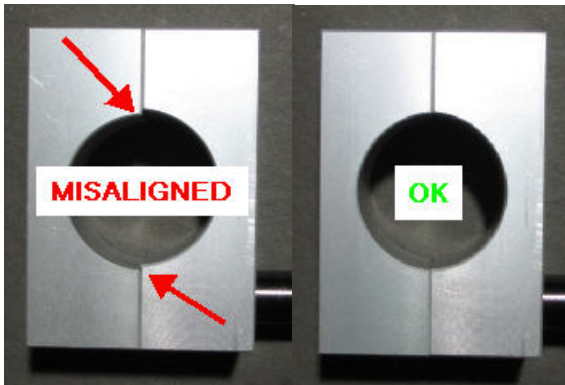
The stock Platen that comes with the Kalamazoo 1SM (Kally) must be removed to install the Kallyrest. Remove it by loosening the two nuts/bolts where it attaches near the base of the Kally. Loosen the two nuts/bolts and slide the stock Platen out. The stock tool table may be left installed if you wish.

Step 2: Install the plastic Rest Pad



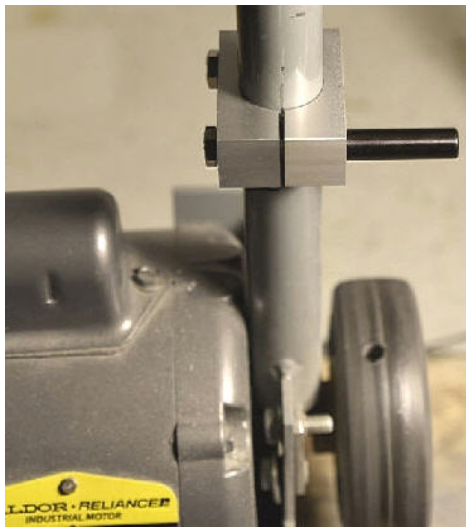
The plastic Rest Pad, included in the parts envelope, has double sided tape on one side. Remove the backing from the tape. It can be a bit tricky removing the backing. Just start at one of the corners and it's not too difficult. Align the plastic Rest Pad even with the top of the aluminum Rest and the sides to the aluminum Rest. **The plastic Rest Pad will overhang the bottom edge (by the belt) of the aluminum Rest by about 1/8".** This is by design. Press the Rest Pad firmly onto aluminum Rest.

Step 3: Install the Mast Clamp



The Kallyrest mounts to the Kally mast with a clamp that is split into two halves; the left half the bolts go through and the right half with the dowel pin.

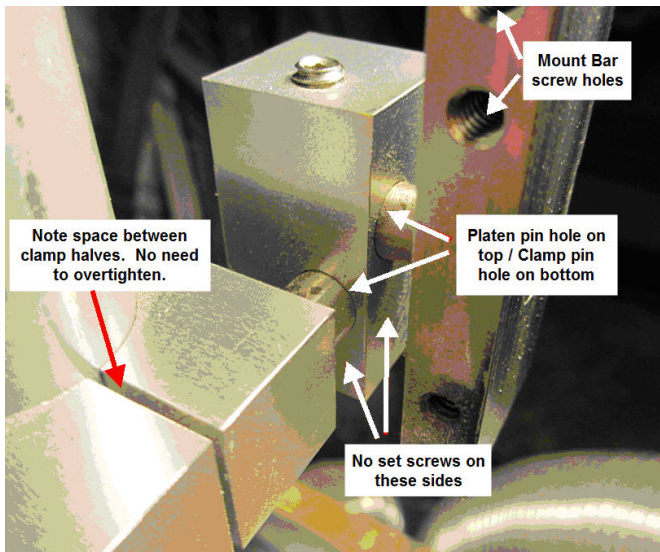
The clamp halves are not perfectly symmetrical. If the clamp halves are not in proper orientation with each other misalignment may cause an installation issue. On most units there is an alignment mark on the inside bore of the clamp halves. If there is no alignment mark, simply examine the clamp halves and verify the center hole and edges of both of the clamp halves align. If there is misalignment, flip one of the clamp halves over top to bottom.



The Mast Clamp ships attached to the Adjuster Block. Separate the Mast Clamp from the Adjuster Block. Using the included 5/32" hex key wrench, loosen the two set screws in the Adjuster Block securing the Mast Clamp dowel pin to the Adjuster Block.

Install the Mast Clamp on the Kally mast with the dowel pin in the clamp towards the front and pointing to the right. **Only gently snug the clamp bolts at first as you will need to move the Mast Clamp during final adjustment. Snug the bolts evenly to maintain an even distance between the clamp halves.** The Mast Clamp can be positioned anywhere high or low on the mast to fit your needs. Keep in mind that the rest assembly will attach to the top of the Platen.

Step 4: Install the Adjuster Block and Platen



The Adjuster Block secures the Platen to the Mast Clamp and provides extensive adjustability for perfect belt/Platen alignment. The Adjuster Block contains 4 set screws. The set screws on the top and right side secure the Platen dowel pin to the Adjuster Block. The set screws on the back and bottom secure the Adjuster Block to the Mast Clamp dowel pin. Note the orientation of the Adjuster Block. **Properly positioned, there are no set screws on the front (Platen side) or on the left (clamp) side.** The hole in the Adjuster Block for the Platen pin is on the top, the clamp pin on the bottom.

Use the included 5/32" hex key for the set screws. During the adjustment phase it is only necessary to gently snug one of the set screws for the Platen and one for the Mast Clamp. When adjustment is complete, snug all four set screws securely.

Slide the Adjuster Block/Platen onto the Mast Clamp dowel pin and gently snug either the set screw on the back or bottom of the Adjuster

Block to secure the Adjuster Block/Platen to the Mast Clamp dowel pin.

Note: The Platen has threaded screw holes for attaching the Mount Bar only on one side. The threaded holes should be facing the Mast Clamp. If you remove the Platen, reinstall it in the Adjuster Block with the threaded screw holes facing the Platen.

(See image below). The Adjuster Block secures the Platen to the Mast Clamp and provides extensive adjustability for perfect belt/Platen alignment. The Adjuster Block contains 4 set screws. The set screws on the top and right side secure the Platen dowel pin to the Adjuster Block. The set screws on the back and bottom secure the Adjuster Block to the Mast Clamp dowel pin. Note the orientation of the Adjuster Block. **Properly positioned, there are no set screws on the front (Platen side) or on the left (clamp) side.** The hole in the Adjuster Block for the Platen pin is on the top, the clamp pin on the bottom.

Use the included 5/32" hex key for the set screws. During the adjustment phase it is only necessary to gently snug one of the set screws for the Platen and one for the Mast Clamp. When adjustment is complete, snug all four set screws securely.

Slide the Adjuster Block/Platen onto the Mast Clamp dowel pin and gently snug either the set screw on the back or bottom of the Adjuster Block to secure the Adjuster Block/Platen to the Mast Clamp dowel pin.

Note: The Platen has threaded screw holes for attaching the Mount Bar only on one side. The threaded holes should be facing the Mast Clamp. If you remove the Platen, reinstall it in the Adjuster Block with the threaded screw holes facing the Platen.

Step 5: Adjust the Platen for Perfect Belt/Platen Alignment

Your Kallyrest Platen is 6 way adjustable allowing for perfect Platen to belt alignment:

- Tilt side to side
- Tilt top to bottom
- Horizontal left to right
- Closer/farther from belt.
- Clockwise/counterclockwise rotation.as
- Higher/lower on mast.

Adjustment is made by rotating the Mast Clamp on the mast and loosening the set screws on the Adjuster Block so the block can slide on the Mast Clamp dowel pin and the Platen dowel pin can slide in the Adjuster Block. Make one adjustment at a time by loosening a set screw, make the adjustment and then gently tighten to hold the component in place. When adjusting, you only need to gently tighten one set screw to keep things in place.. The set screws fasten the Platen and Mast Clamp dowel pins easily. No need to over tighten.

Install a belt and spin it by had to adjust tracking to the desired alignment then adjust the Platen to perfectly align with the belt.

For adjustment:

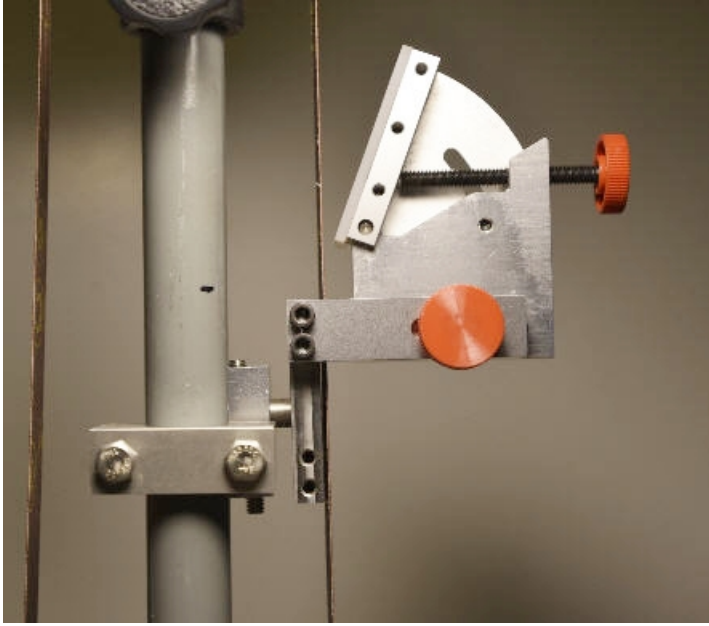
- Rotate the Mast Clamp around the mast to adjust side to side Platen tilt.
- Loosen the Mast Clamp pin set screws in the Adjuster Block for right/left adjustment. This also controls Platen top/bottom tilt.
- Loosen the Platen dowel pin set screws in the Adjuster Block for front/back adjustment. This also allows for clockwise/counterclockwise spinning of the Platen.
- Adjust the Platen so the surface very gently touches the back of the belt with no belt deflection around the Platen and the Platen is square and flat against the back of the belt.

After adjustment, snug the 4 set screws in the Adjuster Block securely. **No need to over tighten.** Just snug them down securely.

Tighten the Mast Clamp bolts. **When tightening the bolts, maintain an even distance between the clamp halves. DO NOT OVER TIGHTEN. The clamp is aluminum and over tightening can bend it. It will secure to the mast long before it bends.**

After installation and adjustment, grab on to the Rest unit and tug on it to make sure everything is tight enough to keep it securely in place. If it moves, readjust and tighten just enough to secure the unit.

Step 6: Attach the Mount Bar and Rest Assembly to the Platen



Remove the two screws from the top two holes in the Platen with the included 1/8" hex key. Attach the Mount Bar/Rest assembly IN THAT POSITION at the top two holes. **This will position the Rest assembly for sharpening 1" above the Platen on the open belt. (HIGHLY RECOMMENDED!)** Note: The Mount Bar screw holes in the Platen are only threaded on one side of the Platen. If you have removed the Platen and find the screw holes are not threaded, rotate the Platen 180° in the Adjuster Block.

Complete the Installation

Remove the Mount Bar knob screw and the thin plastic washer on the screw. Replace the thin plastic washer with the 1/2" nylon spacer, included in the parts envelope, onto the screw. Reinstall the Mount Bar knob screw. Insert the long Angle Adjustment Knob screw into the top hole in the front of the base. Install the 1/4" small black spacer included in the parts envelope under the small Gauge hold down screw on the side of the Gauge.

Congratulations! Your Kallyrest is installed.