

Casolin Rip Kit Installation Instructions

Please note this installation kit is designed for installation only on Casolin Sliding Table Saws, rip fence. Accurate Technology manufactures kits for other sliding table saws in which some or all of the components may be different. For more information about ProKits™ feel free to contact Accurate Technology.

SAFETY WARNING

To avoid injury: Before installing ProScale on a machine, turn off the machine and disconnect it from its power source.

Warranty

Accurate Technology, Inc., warrants ProKit systems against defective parts and workmanship for two years, commencing from the date of original purchase. Upon notification of a defect, Accurate Technology, Inc. shall have the option to repair or replace any defective part. Such services shall be the customer's sole and exclusive remedy. Expenses incidental to repair, maintenance, or replacement under warranty, including those for labor and material, shall be borne by Accurate Technology, Inc.

Except as expressly provided in this warranty, Accurate Technology, Inc., does not make any warranties with respect to the product, either expressed or implied, including implied warranties of merchantability or fitness for a particular purpose, except as expressly provided in this agreement.

Accurate Technology, Inc., shall not be liable for any special, incidental, or consequential damages or for loss, damage or expense directly or indirectly arising from the customer's use of or inability to use the equipment either separately or in combination with other equipment, or for personal injury or loss or destruction of other property, or from any other cause.

Tools Required

- Phillips screwdriver
- Allen wrench set
- Marking pen*
- Center punch*
- Drill & tap for #8-32*
- Drill & tap for #10-32 bolts
- Band Saw*
- Belt Sander*

*Tool may not be necessary, varies by installation.

Parts Identification:



Guide Clip



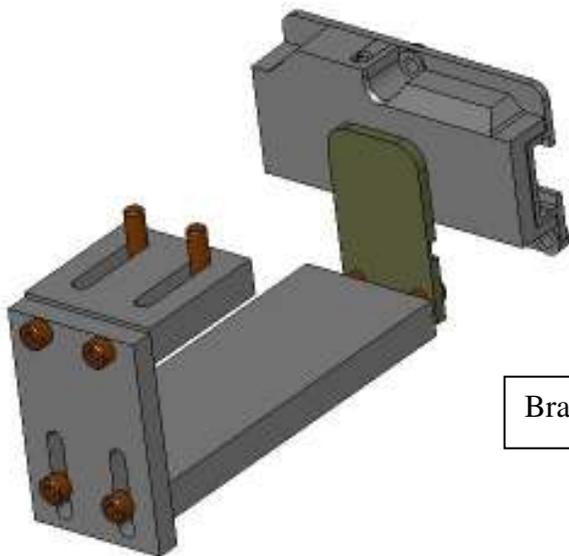
Readhead (cable not shown)



Digital Display



Digital Scale



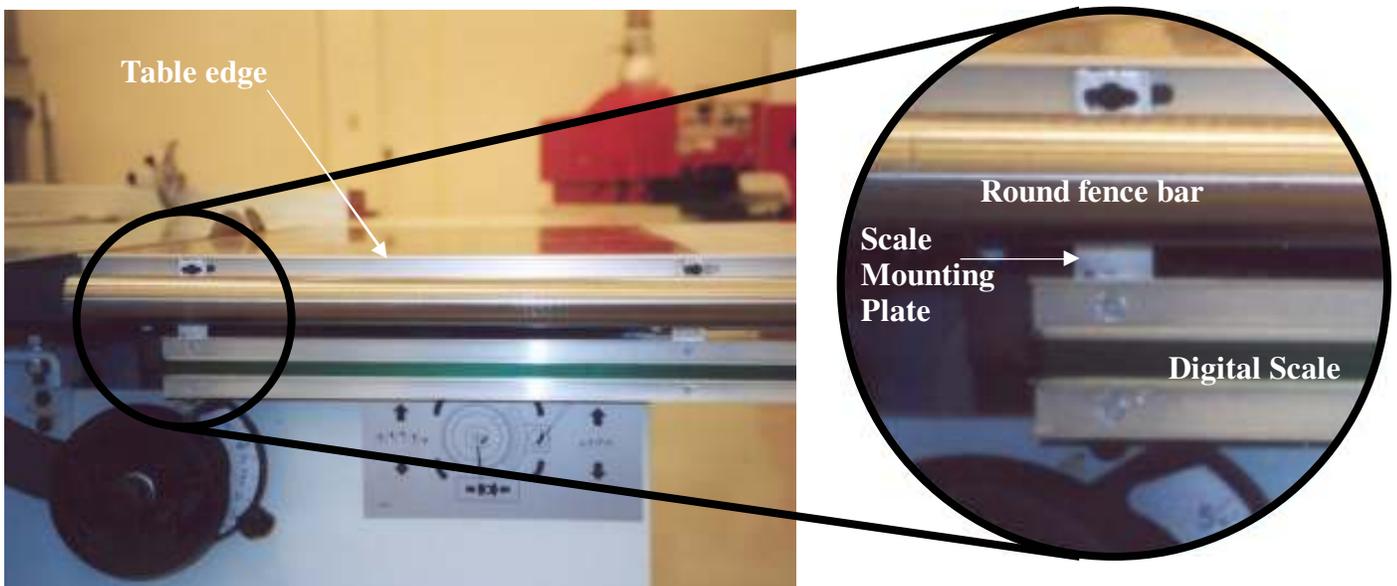
Bracket Assembly

Mounting the Scale:

1. The digital scale is to be attached to the table in the same place that the original ruler is. Hold the long digital scale up to the table and note the position of the bolts which mount the existing ruler to the table. Determine the location for each of the mounting plates as shown.



2. Loosely attach the scale assembly to the table using the same bolts which held the original ruler in place. The plates are mounted behind the ruler similar to that shown in the following photo. Tighten all scale mounting plates to the scale and the table.

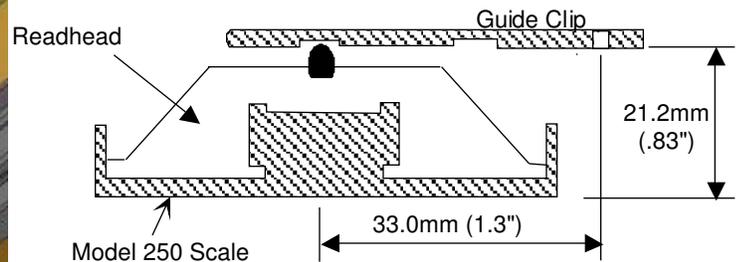
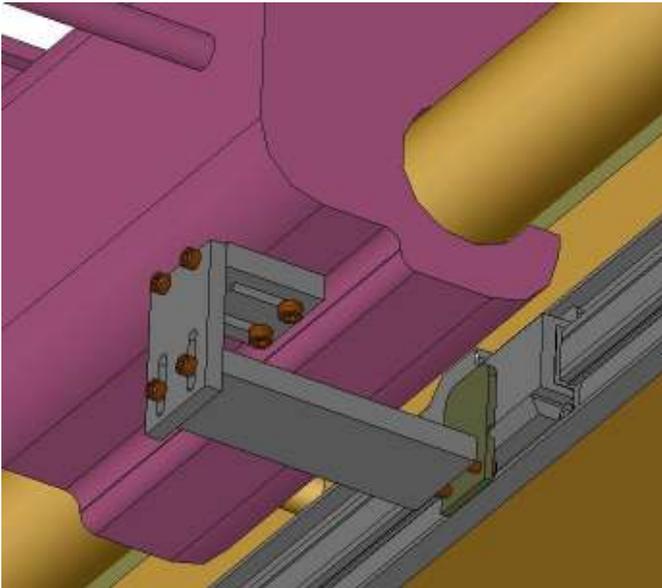
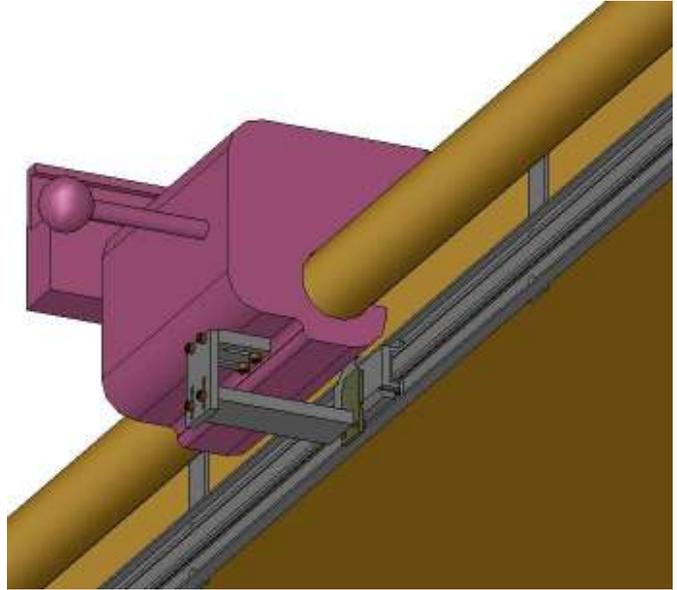


VERY IMPORTANT: Check that the digital scale and round fence bar are parallel over the entire length. It may be necessary to use washers to shim the scale mounting plates. Washers and extra long screws have been provided if this is necessary

3. On some models, it may be necessary to trim the scale. If so, be sure to cut off the right end of the scale (so the brackets will still line up). Follow the instructions in the ProScale manual to cut the scale.
4. Slide the readhead onto the scale if it has been removed.

Rip Mount Assembly:

5. The rip assembly has been partially assembled for you at the factory. This assembly attaches to the bottom of the rip fence casting (see picture).
6. Mark the hole locations for attaching the rip mount assembly. Drill and tap (using 10-32 tap) into the rip casting.
7. Attach the rip mount assembly to the casting using the 10-32 screws. Use the pictures as references.
8. Check the guide clip pressure on the readhead (be sure to check the pressure along the full fence travel). Use the diagram for a reference. The pressure can be adjusted using the supplied spacers and washers.



Mounting the Display:

9. Mount the digital display to the supplied hinge using the 4-40 self-tapping screws. The other side of the display hinge should be mounted to the top of the rip fence casting using #8 machine screws (requires tapping) or with the supplied Velcro.
10. Plug the readhead into the display and turn on the display.
11. Move the fence left and right along the table. The display should read small numbers near the saw blade and large numbers away from the blade. If the readings are backwards, parameter Pr0 of the display must be changed. Reference the ProScale Manual for more information.

Calibration of ProScale:

12. With the fence **locked in position** near the saw blade, cut a small square board.
13. Measure this board with the most precise measuring tool available and write down the measurement. (Be sure to keep the fence locked in position.)
14. Press the ZERO key on the ProScale display. (The display should be in ABS mode before pressing the ZERO key. If the display is in INC mode, press and hold the ABS/INC key for three seconds.)
15. Use the PLUS key to enter the measured value into the ProScale display.
16. Press and hold the ON/OFF key. Momentarily press the MODE key. Release the ON/OFF key. The keyboard is now locked. It can be unlocked by repeating this procedure. (**LOCK** will be displayed when the display is properly locked.) Locking prevents the display from losing its calibration by accidentally pressing the zero key.
17. ProScale should be re-calibrated when the saw blade is changed (kerf allowance).

Troubleshooting:

ProScale is accurate close to the saw blade, but not accurate at larger distances:

- ❑ Check the alignment of the saw fence. The alignment *will* affect the measurements at larger distances.
- ❑ Also be sure to check the mounting of all ProKit components. Any loose bolts can allow for “slop” measurements.

ProScale resets itself while saw is running and the fence is locked:

- ❑ Be sure the ABS/INC key has not been accidentally pressed. If so, press and hold for 3 seconds to return to ABS reading.

ProScale resets itself while the saw is not running and the fence is locked:

- ❑ Be sure the ABS/INC key has not been accidentally pushed. If so, press and hold for 3 seconds to return to ABS reading.
- ❑ Be sure the ZERO key has not been accidentally pushed (when displayed is unlocked). If so, you will need to recalibrate the saw fence. Be sure to lock the value into the display.

ProScale display reads **Err 2** or **No Enc**:

- ❑ Make sure the connector is fully inserted into the display. Also, be sure the readhead is on the scale. To clear the error, simply unplug the readhead for one second and re-insert the connector to the display. You will need to recalibrate.
- ❑ The readhead is mounted on the scale backwards. Remove the readhead and rotate 180 degrees. Slide the readhead back onto the scale. You will need to recalibrate.

The display reads **B**, or shows a battery symbol:

- ❑ Your batteries need to be changed. ProScale uses two standard AA alkaline cells. To change the batteries, unscrew the top cover (two screws) and remove old batteries. Be sure to avoid touching the brass battery contacts as much as possible. These are specially designed to be loose while you are changing batteries-**do not attempt to bend them.**

The display reads random numbers:

- ❑ The readhead is on the scale backwards. Remove the readhead and rotate 180 degrees. Slide the readhead back onto the scale. You will need to recalibrate.

My problem is not listed-where do I get help?

- ❑ Read through all the manuals for answers to other commonly asked questions.
- ❑ Check Accurate Technology's web site for further information.
- ❑ Contact Accurate Technology at 828-654-7920. Have your ProKit information ready when calling (machine model, part number, date of purchase, and point of purchase).
- ❑ E-mail our service department at customerservice@accurate-technology.com.