Quick Stop Digital Retrofit Kit
Installation Instructions:

Please note this installation kit is designed solely for installation onto a Safety Speed Cut Quick Stop. Accurate Technology manufactures kits for other saws and/or fences in which some or all of the components may be different. For more information about these kits please 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 this product against defective parts and workmanship, 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

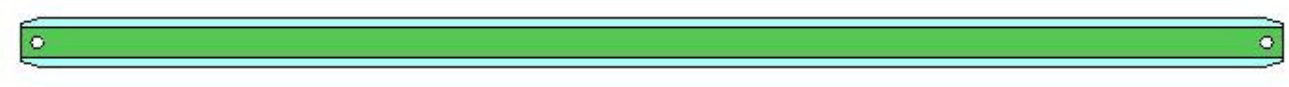
- Set of clamps
- Center punch
- Electric Drill, Set of drill bits
- Phillips screw driver
- Set of SAE hex wrenches

Please note that some of the parts for this installation kit may have been pre-assembled for your convenience by Accurate Technology.

--Additional photos of this installation may be available online.--

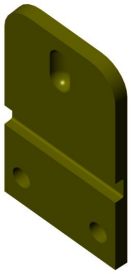
READ THROUGH ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

Digital Scale:



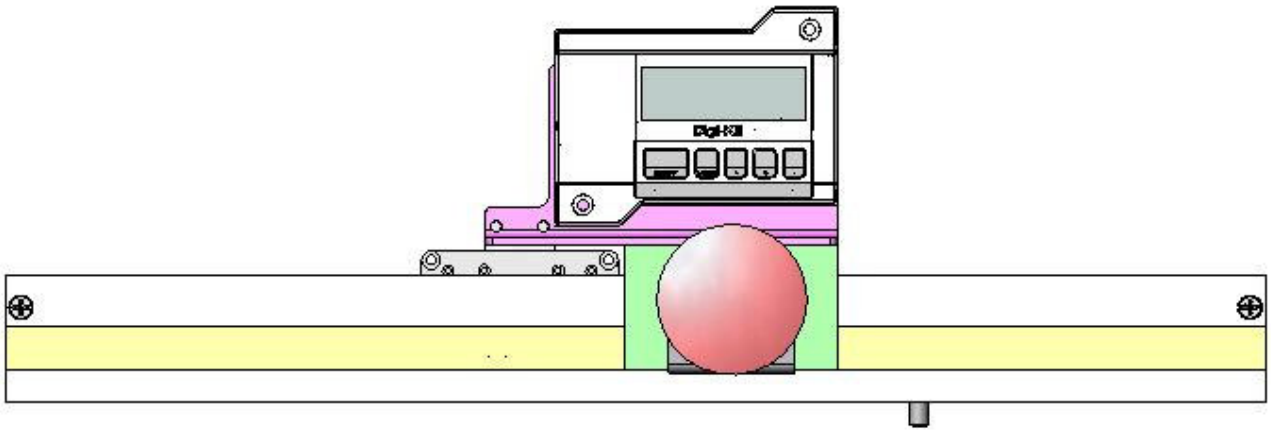
Readhead:

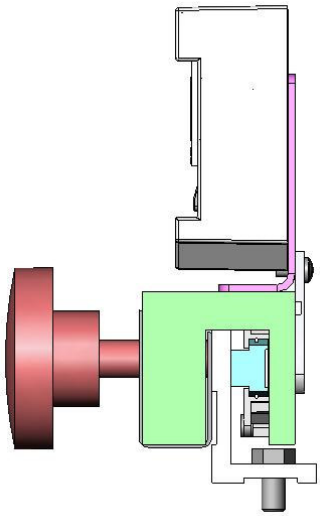
Guide Clip:

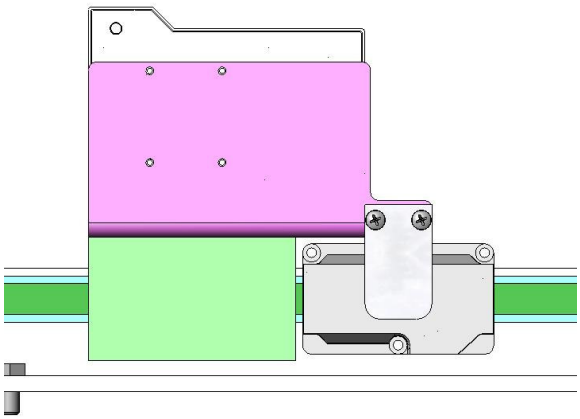


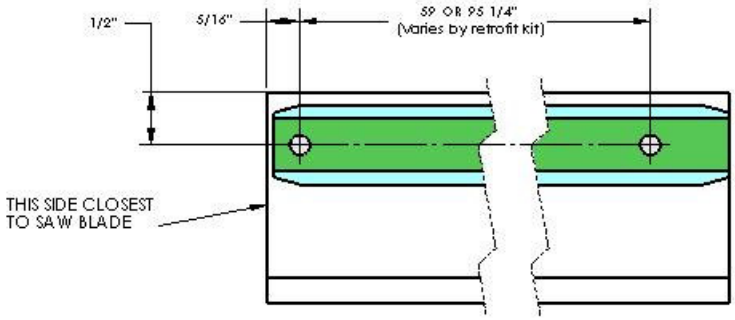
Digital Display:

READ THROUGH ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION








1/2"
5/16"
59 OR 95 1/4"
(Varies by retrofit kit)
THIS SIDE CLOSEST
TO SAW BLADE

1. Clamp the scale into place on the backside of the existing Quick Stop extrusion, as shown in the image on the bottom page 3. The holes in the scale should be positioned 1/2 inch from the top edge of the Quick Stop extrusion as shown.

2. Carefully mark the two hole locations, and drill thru the Quick Stop extrusion to make two 7/32" holes. Countersink these holes on the front side of the Quick Stop extrusion as shown in the image at the top of page 3. (The countersink should be deep enough to accommodate the supplied #10 flathead screws.)

3. Note the readhead's sensitive internal grounding fingers. Carefully slide the readhead onto the scale, using special care not to damage any of the sensitive electronic components inside the readhead.

4. Remove the original Sliding Stop assembly. Remove the hand-wheel and the steel clip.

5. Reassemble the Sliding stop using the enclosed red Stop Block. Mount the black display bracket to the red Stop block using the supplied 10-32 x 1/2" bolts.

6. Place the new assembly onto the Quick Stop Extrusion.

7. Engage the post of the readhead into the pocket of the guide clip. Move the Sliding Stop assembly left and right. Verify the readhead post remains seated in the pocket of the guide clip. The pressure of the guide clip can be adjusted by moving the black display bracket forward/backward, then tightening the mounting bolts. Ideally, the guide clip should deflect about 1/64 of an inch.

8. Mount the digital display to the black display bracket using the supplied 4-40 screws. Connect the readhead to the display. Verify the readhead's cable will not be subject to binding or getting cut.

9. Slide the stop left and right. Check to see if the display reads larger numbers as expected. If it doesn't, change the display's encoder direction. (The encoder direction can be changed by moving the "Encoder Direction" jumper on the display's circuit board – see the Operating Instructions for more information.)

Calibration:
(Use the Operating Instructions as a reference if needed.)

1. With the stop in position close to the saw, cut a small board.
2. Measure this board with the most precise measuring tool available and write down the measurement.
3. Press the ZERO key on the display.
4. Use the PLUS key to enter the measured value into the display.
5. LOCK the display: Press and hold the ON/OFF button. Tap the MODE button. Release the ON/OFF button. The keyboard is now locked. It can be unlocked by repeating this procedure.
6. The display should be re-calibrated when the saw blade is changed (kerf allowance) or when the batteries in the display are changed.

Troubleshooting:

The reading is accurate close to zero, but not accurate at larger distances:

- Check the alignment of the scale. Alignment *will* affect measurements at larger distances.
- Also be sure to check the mounting of all components; any loose bolts can allow for "slop" measurements.

The display resets itself while saw is running and the stop is locked:

- The display has been accidentally reset. Large voltage spikes from nearby motors, inverters, or dust collection systems can cause this. Be sure that all devices are properly grounded.
- Be sure the battery clips inside the display have not been bent.

The display resets itself while the saw is *not* running and the fence is locked:

- Be sure the battery clips inside the display have not been bent.

The display reads **Err 2**:

- Make sure the connector is fully inserted into the display. Also, be sure the readhead is on the scale. To clear the error, unplug the readhead from the display for one second. You may need to recalibrate.
- The stop has been moved too quickly. To clear the error, unplug the readhead from the display for one second. You may need to recalibrate.

The display shows a **Battery Symbol**:

- The batteries need to be changed. The display 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.

The battery clips are too loose.

- They are specially designed to be loose while you are changing batteries-**DO NOT BEND THE BATTERY CLIPS**.

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

- Read through all of the supplied manuals for answers to other commonly asked questions.
- Check Accurate Technology's web site for further information (www.proscale.com).
- Contact Accurate Technology at 828-654-7920. Have your retrofit kit 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.