

# Clearmount



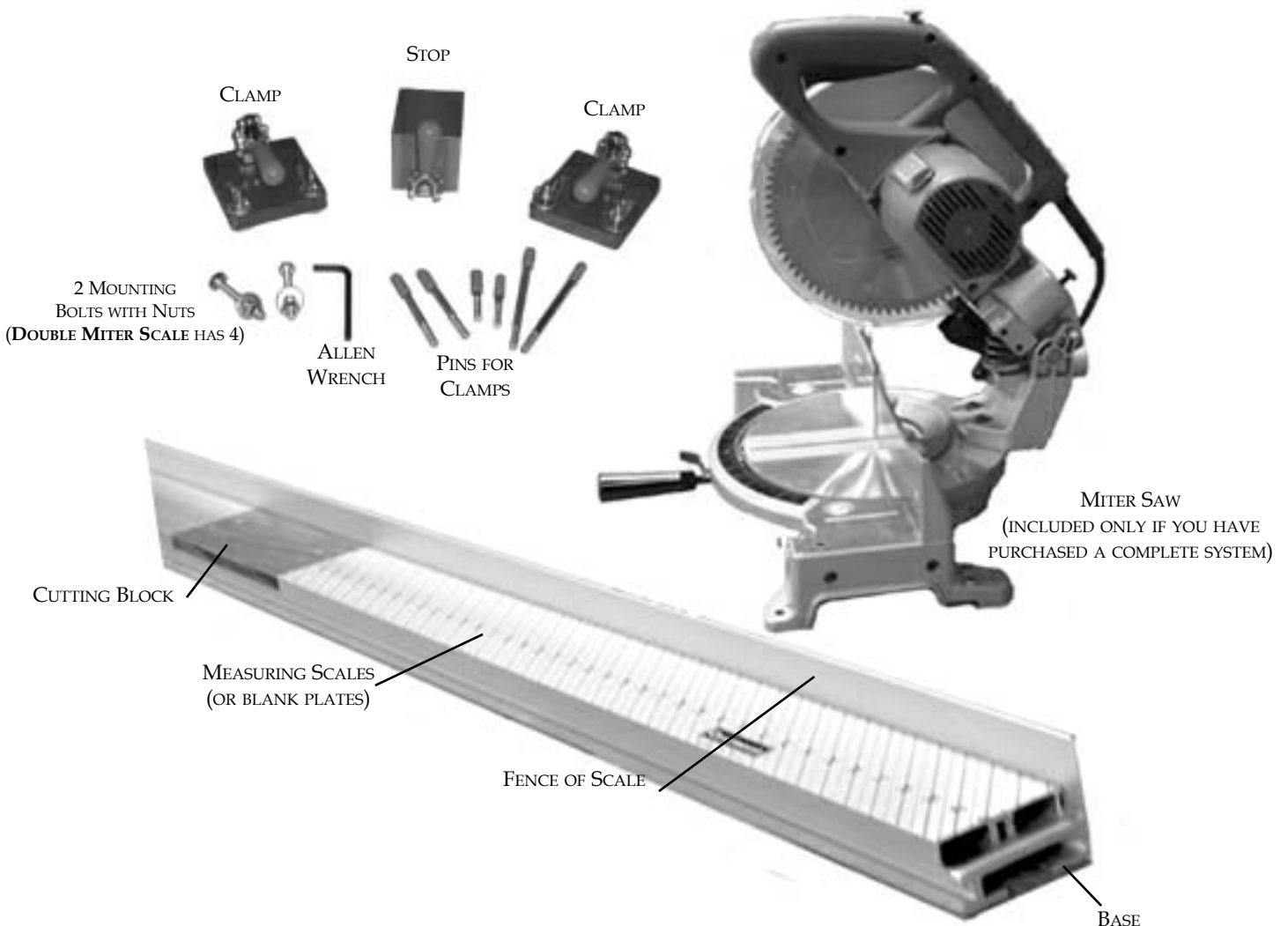
MITER SAW SYSTEM

## INSTRUCTIONS FOR ASSEMBLING YOUR CLEARMOUNT MITER SAW SCALE

Pictures shown are our SW7 but these instructions apply to all of our scales. Special information for other models is noted.

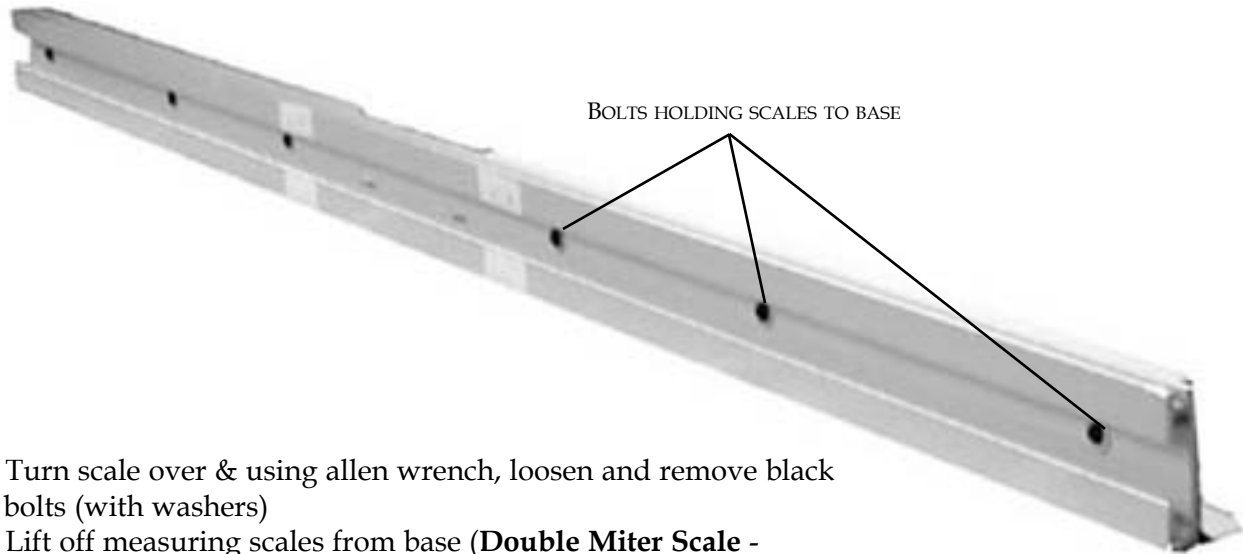
**\*\* Read & Follow Operating and Safety Instructions for your Miter Saw before attaching or using the scale.**

**\*\* Always wear safety glasses when operating the saw.**



**If you have any questions while assembling, please call us at (800) 541-5472**

## PREPARING THE BASE:

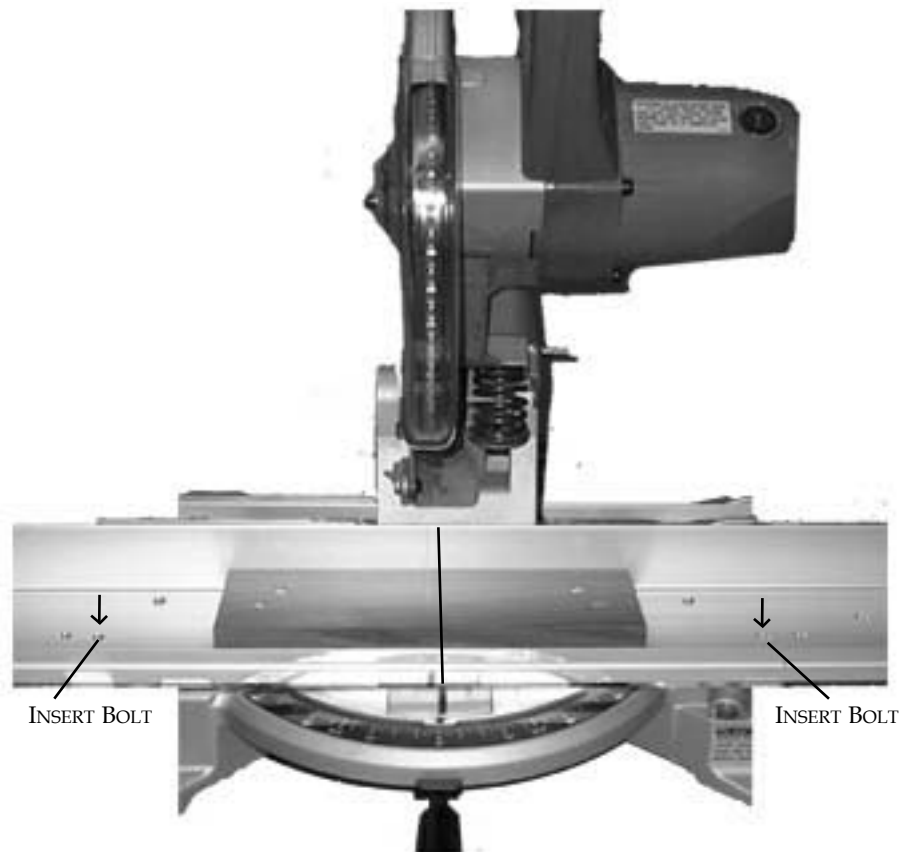


- Turn scale over & using allen wrench, loosen and remove black bolts (with washers)
- Lift off measuring scales from base (**Double Miter Scale** - remove all scales and flat unmarked plates from base)



- Turn upright
- Pilot holes (# could vary from 1-5 on each side of the cutting block, depending on your saw) will be marked. You will only be using 1 pilot hole on each side.

## ATTACHING YOUR SCALE TO THE SAW:



- Place scale on your miter saw
  - If your saw has an adjustable fence, make sure it is positioned as far back as possible from the front of saw
  - Line up pencil mark (on back fence of scale base) with your saw blade at 0 degrees - saw should be unplugged at this point.
- \*\* If you purchased a complete system from us, we have already drilled your saw(s) - skip to instructions on **Bolting**.

(**Double Miter Scale** - Start with the saw that is on the Right side as you are facing the unit. After you have secured this one, repeat the same procedure for attaching the second saw.)

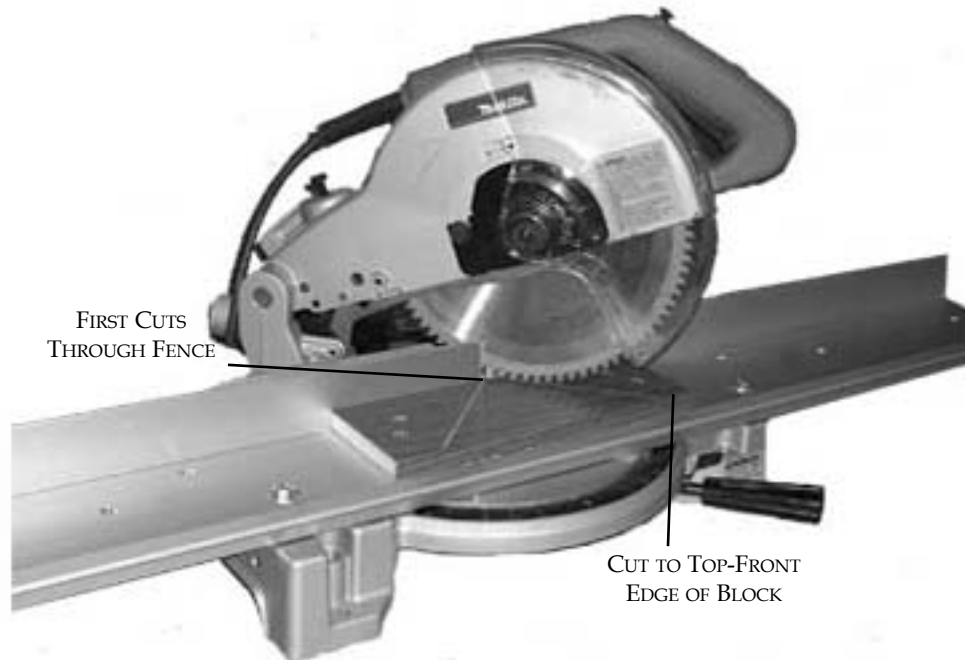
- Feel underneath the table of your saw, under the pilot hole that is marked for you to use, to see that they will be clear of reinforcement walls when you drill.
- The scale base must be held or clamped firmly against the miter saw's fence when you drill.
- Using an electric drill with a 1/4" drill bit, guide the bit through the pilot hole you have selected and drill a hole through the base of your saw. You only need one hole/bolt per side.

**Bolting:** Insert a bolt through the scale base and your saw and secure and tighten with the nut underneath your saw.

- Repeat this on the other side of your saw.

## MAKING FIRST CUTS:

- DO NOT OPERATE THE SAW UNLESS YOU HAVE READ THE INSTRUCTIONS THAT WERE PROVIDED BY THE MANUFACTURER
- ALWAYS WEAR SAFETY GLASSES WHEN OPERATING THE SAW BLADE



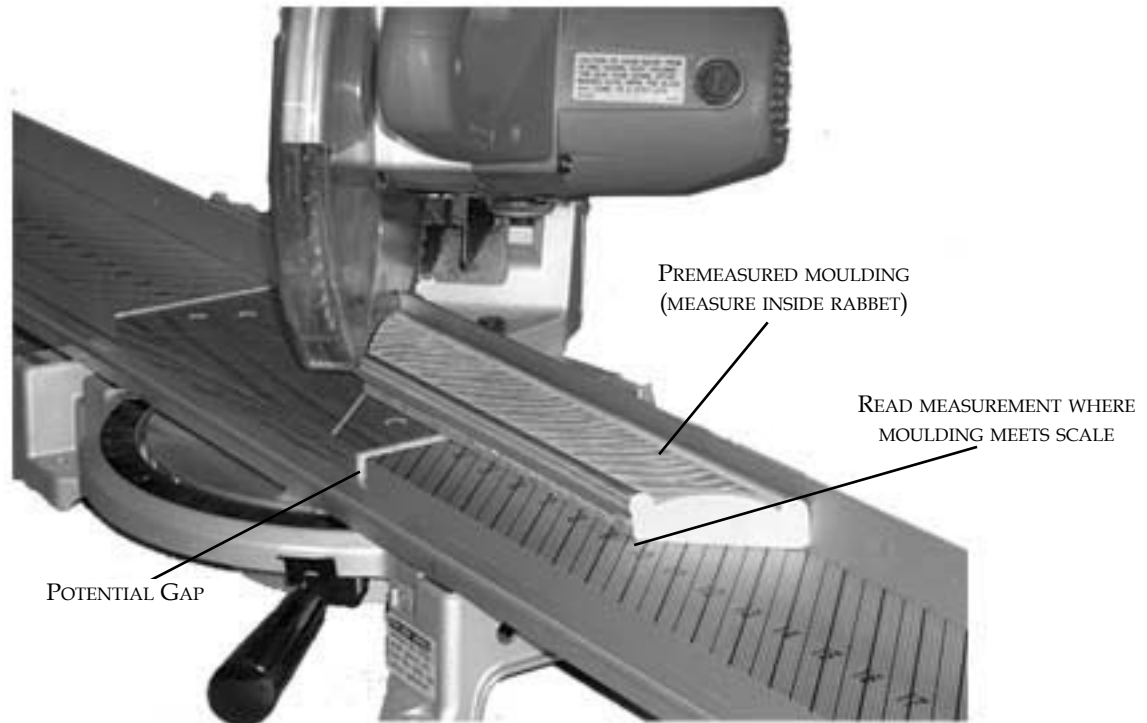
**\*\*\*BLADE** Yes, you will be cutting through the back fence of your scale base and partially into the wooden cutting block. You should be using a carbide tipped blade (not the standard cross cut blade that usually comes with a saw) but, you do not have to buy a special metal cutting blade. A carbide tipped blade designed for cutting wood moulding will not be harmed as you make these 2 initial cuts.

BECAUSE OF THE DESIGN OF OUR SYSTEM, WHERE THE SCALE MOUNTS TO THE TOP OF YOUR SAW ( guaranteeing a level cutting bed at all times) YOU MUST SET A DEPTH STOP ON YOUR SAW TO LIMIT HOW DEEPLY YOU CAN CUT. You must never cut all the way through the cutting block and base or you will destroy the integrity of the system!

Refer to the instructions for your particular saw to see how to control the maximum cutting depth. You should see references to terms such as: adjusting bolt, stop screw, bevel stop, slotting depth etc. These should direct you to areas under the head of your saw where by adjusting a bolt or replacing with a longer bolt, you can control the depth of your cuts - the bolt serving as a stop as you lower the saw head.

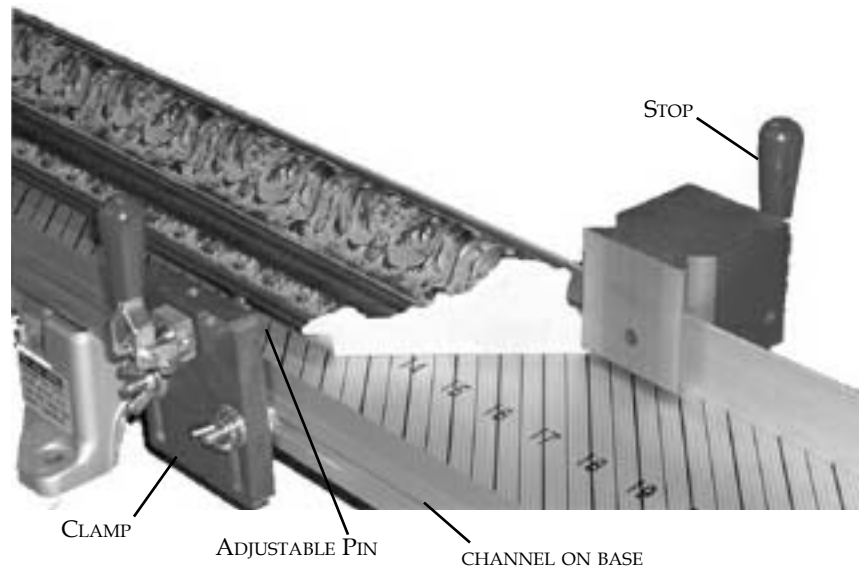
- Plug in your saw.
- Turn the saw to one of the 45° markings. (**Double Miter System** - You only need to make one cut with each saw - Left Saw with cut to the left / Right Saw with cut to the right)
- Make your cut through the fence of the scale base and into the cutting block. **STOP when the blade has just reached the outside edge of the top of the cutting block. This will give you the full cutting capacity of our system. This is also where you should set your DEPTH STOP!**
- Turn your saw to the other 45° angle and make your second cut, as above.
- There may be one or two narrow pieces of aluminum in the fence of the scale after you have made your cuts - by bending back and forth with pliers, these should be removed. **Be Careful as these could be sharp.**

## REATTACHING AND CALIBRATING THE SCALES:



- **Unplug your saw**
  - **Read through this entire section before doing in case you have to shorten the cutting block as indicated by \*\*\***
  - Have available a premeasured piece of moulding (mitered at both ends) - Measuring the inside rabbet. Also, have the black bolts w/washers and allen wrench ready to reattach the scales.
  - Place the right scale back in position and push it next to the cutting block
  - Lower the head of the unplugged saw until the blade is in the cutting block
  - Put the outside of the moulding firmly against the back fence and slide the left side of the piece of moulding (rabbet facing you) against the edge of the saw blade.
  - Now slide the scale back and forth until the correct scale measurement ( where inside edge of right miter hits the scale markings) is indicated. Now replace and slowly tighten the black bolts.
- \*\*\* There may be a small gap between the edge of the cutting block and the edge of the scale. Some saws may require a shortening of the cutting block. This all depends on the particular saw the you are using.
- Repeat for the left scale
- (**Double Miter Scale - SW7SP Scale** - - Since you only have one side to calibrate, simply reattach the plain plates and the scale piece that measures from 41-64")

## SECURING YOUR SYSTEM TO WORK SURFACE & ATTACHING STOP & CLAMPS:



- Secure your Miter Saw System to a suitable work surface (bench or stand) by following instructions in your saw manual.
- **Attaching Stop** - Place the slot in the stop over the fence with the red handle to the rear of scale. Pull the handle upright to lock / Push it back to unlock

\*\* Some saws, because of the design of their fence, restrict how closely to the saw you can put the stop. If this occurs with your saw, take a piece of moulding, mitered on both ends, and place it between the moulding to be cut and the stop, which can now be located farther away from the saw. For example, if you use a 10" piece of moulding as a spacer and you want to cut a 5" piece, set the stop at 15".

- **Attaching Clamps** - Loosen 2 wing nuts on each clamp. Place the square heads of bolts in the horizontal channel that runs along the entire front of the scale base. Screw one of red tipped pins into the clamp (different sizes and different depths for various moulding widths). Position the clamp towards the saw. Lifting the red handle of the clamp moves the pin to push your moulding against the fence of the scale. Repeat for the 2nd clamp.

**Metal moulding always requires clamping - Metal moulding must come in contact with both fences, otherwise it is too short and you are at risk being hurt by flying pieces of moulding! Also, improve the quality of your cut and prolong the life of your blade by using a lubricant when cutting metal.**