

# CLEANING & SCOPE MOUNTING STATION

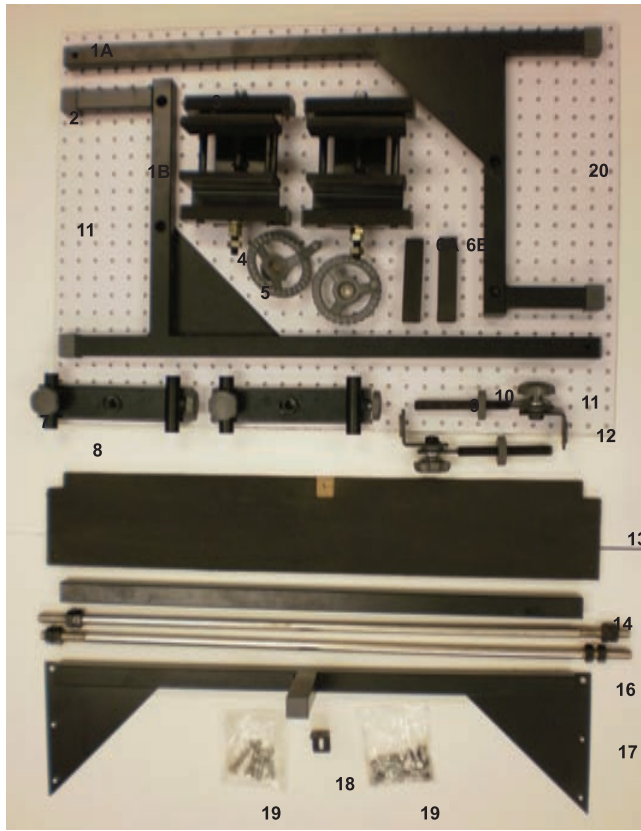


\* Gun, Scope, Tools, Peg Hooks, Cleaning Supplies, Etc. Are Not Included.

The Hyskore® Cleaning & Scope Mounting Station was designed to provide a dedicated platform for servicing long guns. The 2 self-centering vises traverse along rails to accommodate any length gun. In addition, they can be rotated and locked into a wide range of tilted positions, so that the entire gun can be rotated towards or away from the user. The vises can also be set to opposed angles so that an AR-15 style weapon can be pivoted at the forward takedown pin with the upper and lower receivers each locked in their respective vises. The vises can be adjusted so that any long gun can be supported with the muzzle pointed down so that cleaning chemicals run out the end of the barrel and not into the action and trigger group. In other words, the perfect set-up for cleaning and servicing. The pegboard panel and handy shelf provide numerous options for storing and hanging cleaning and maintenance accessories.

In the course of shipping and packing, parts may end up missing or damaged-call us at 631.673.5975. 8:30 a.m. - 5:00 p.m. Eastern Time. We will promptly send replacements.

# • PARTS IDENTIFICATION •



- 1A Right leg
- 1B Left Leg
- 2 Feet - 4 pcs
- 3 Vise Assembly - 2 pcs
- 4 M-12 Left Hand Hex Nut - 2 pcs
- 5 Hand Wheel - 2 pcs
- 6A 25mm Floor Plate for Vise - 2 pcs
- 6B 38mm Floor Plate for Vise - 2 pcs
- 7 Lock Knob for Traversing Base - 4 pcs
- 8 Traversing Base for Vise - 2 pcs
- 9 Vise Support Rod M-16 x 125mm - 2 pcs
- 10 M-16 Lock Knob (female) - 2 pcs
- 11 M-12 Lock Knob (male) - 2 pcs
- 12 Vise Support Bracket - 2 pcs
- 13 Shelf - 1 pc
- 14 Upper Brace - 1 pc
- 15 M-16 Traverse Rod - 2 pcs
- 16 M-16 Hex Nut - 8 pcs
- 17 Lower Rear Brace - 1 pc
- 18 Pegboard Bracket - 1 pc
- 19 Small Fasteners
- 20 Pegboard

**Important:** We suggest that you follow the assembly steps in order. This will avoid taking things apart and re-doing steps. Do not tighten any nuts, bolts, screws, etc. Until the final step. This will allow you to move parts in later steps into alignment. The reason is that parts are welded after they have been punched, drilled, stamped, etc. This creates torsional stress that may move holes slightly out of alignment.

## STEP 1



Loosely thread a large (M-16) hex nut on to one end of the 2 rods until they stop.

## STEP 2



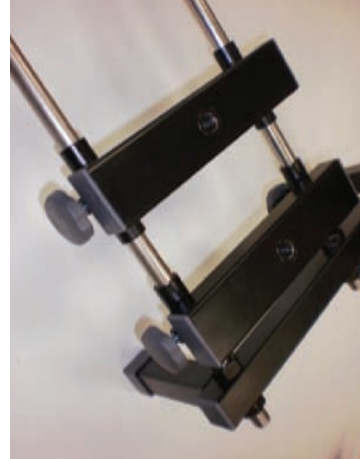
Identify the inside of each leg set.

### STEP 3



From the inside of one leg set, insert the 2 threaded ends of the rods with the hex nuts. Screw a large (M-16) hex nut (loosely tight) on to the outside of each one.

### STEP 4



Slide the sleeves in the 2 sliding bases over the 2 rods as shown. The end with the fitting for the knob faces out (toward the front) as shown.

### STEP 5



Now thread a M-16 hex nut on to the other ends of the rods. Fit the other leg assembly over the ends of the rods and secure with 2 large (M-16) hex nuts. Tighten to within 2-3 turns of contacting the leg. This will allow flexibility for following steps.

### STEP 6



Fit the rear brace into place. Insert and tighten a M-8 x 45 hex bolt and 2 M8 x 25 mm Phillips head screws- Repeat at the other side. Hand tighten only.

### STEP 7



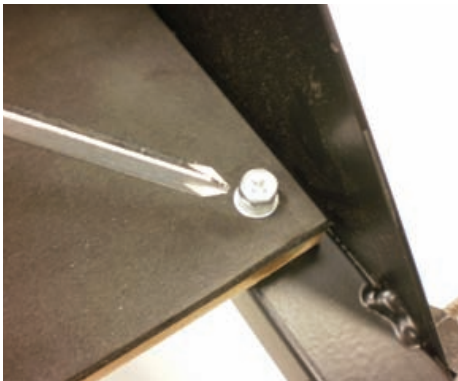
Using a M10 x 50mm head hex bolt at each end fix the upper back brace to the frame. Hand tighten only!

### STEP 8



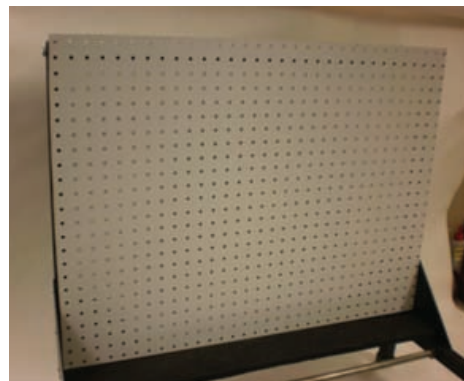
Make sure that the pegboard mounting hole faces forward. *When you get to Step 11, if the top center hole in the pegboard does not align exactly with this hole it may be necessary to remove the bar, rotate it 180° and reattach it to get correct alignment.*

### STEP 9



Fit the shelf to the frame assembly.  
The padded side faces up.  
Use 2 M 8 x 25mm Phillips screws and washers.

### STEP 10



Fit the pegboard into place. There are 5 tapped holes in the frame that will align with holes in the pegboard.



### STEP 11



Put a spacer between the pegboard and the frame. Insert a M8 x 25 mm Phillips screw and washer. Hand tight. Repeat for the other mounting points.

### STEP 12



Fit the angle brace to the shelf with 1 M8 x 25 screw. Use the M8 hex nut to attach the pegboard. There is no spacer at this location.

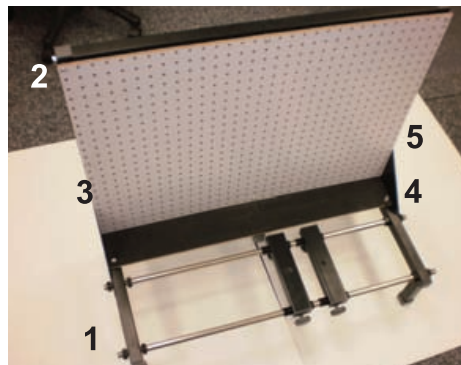
## TIGHTEN FASTENERS

### STEP 13



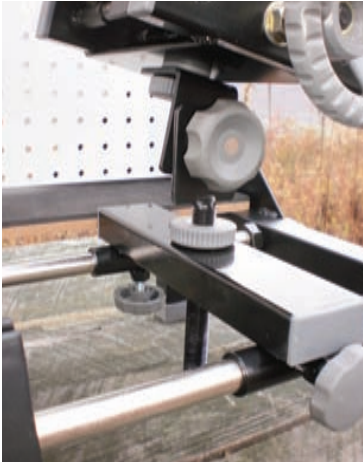
Tighten the M-16 nut on the inside until it makes contact with the leg brace. Now tighten the outside nut to 6- 8 lbs/ft torque.

### STEP 14



Now tighten all the fasteners. The large hex nuts (#1) should be 6-8 lbs ft tight. Also the hex bolts @ #2. All other fasteners should be made snug.

### STEP 15



Thread a plastic M-16 lock knob over the vise support rods and thread a rod into each of the sliding vise support bases. You may want to oil the threaded rod - Use acid free machine oil - sewing machine oil works well.

### STEP 16



Note the clutch halves. They are identical. Fit one to each outer face of the vise support brackets. Now fit one to the flange on the vise support rods. Align the studs on the clutch with the holes and push until seated flush. Put a washer over the M-12 knob and assemble as shown. (This step may not be necessary if the clutches are factory assembled)

### STEP 17



How the clutch halves engage each other. Keep all clutch faces free of oil, solvents and contamination.

Fully disengage the clutch faces before turning. This will avoid damage.

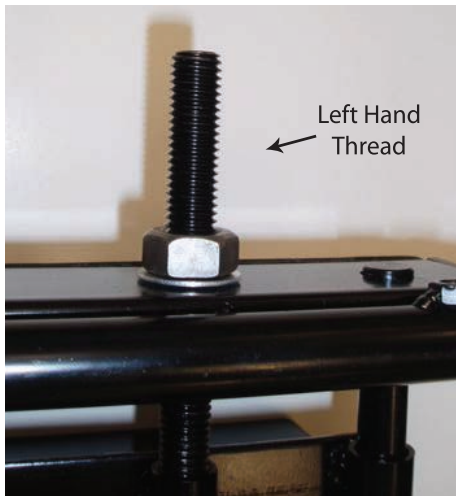
### STEP 18



Fit a clutch half to the underside of each vise and assemble to the vise support brackets with an M-12 (male) lock knob. As in Step 16 the clutch halves may have been factory fitted.

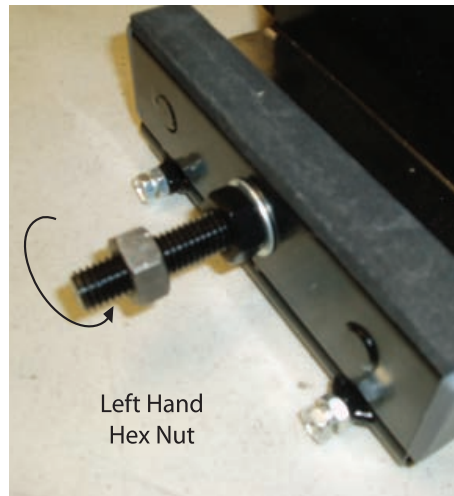
# WISE ASSEMBLY

## STEP 19



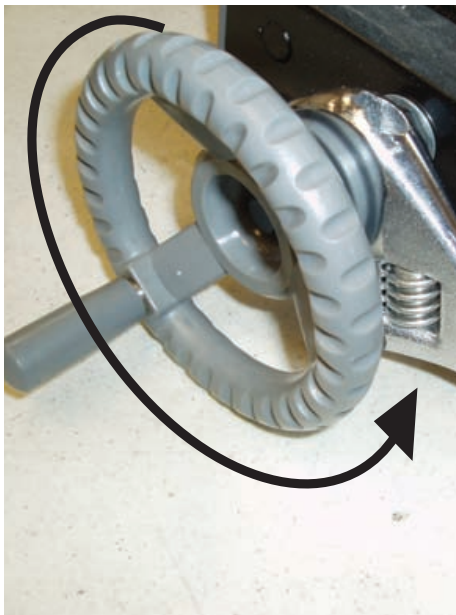
Pay close attention to this step!!! To avoid damage, the hand wheels for the vises are not factory installed. Important both the hand wheel and the lock nuts that keep them fixed in place are M12 left hand thread. This means that they must be turned counter clockwise to engage and thread together.

## STEP 20



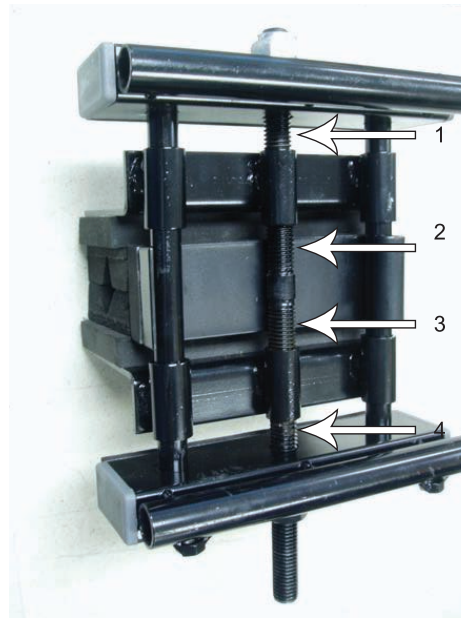
The left hand nuts have a yellow finish and are packed in the same package as the hand wheels - It would be a good idea not to misplace them. By turning counter clockwise, thread a nut on to the screw shaft of the vise.

## STEP 21



Now, also by turning counter clockwise, thread a hand wheel on to the screw shaft until 1/8 - 1/4" of shaft is visible. Turn the nut from Step 12 until it contacts the hub of the hand wheel. Grasp the hand wheel in one hand, grasp the nut with a wrench. Using hand pressure, tighten the hand wheel against the nut until snug. - Repeat if the hand wheel loosens. You can also use locktite for a more permanent installation.

## STEP 22



One or two drops of acid free machine oil (sewing machine oil works well) at each of the 4 points indicated will make the vise operate easily.

(The photo pictured is for illustration purposes only.)



### STEP 23



The vises can be set to fit at opposed angles - perfect for working on AR-15's or for cleaning any gun with the muzzle pointed down.

### STEP 24



The vises can also be tilted towards or away from you.

### STEP 25



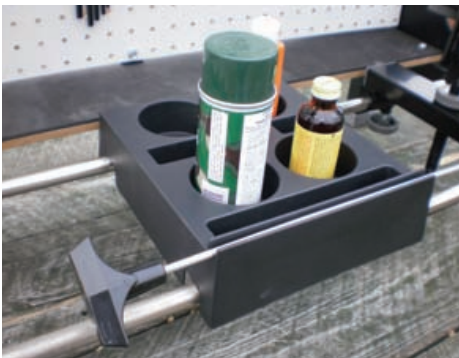
Each Vise is equipped with foam "V" blocks for gripping round objects like barrels.

### STEP 26



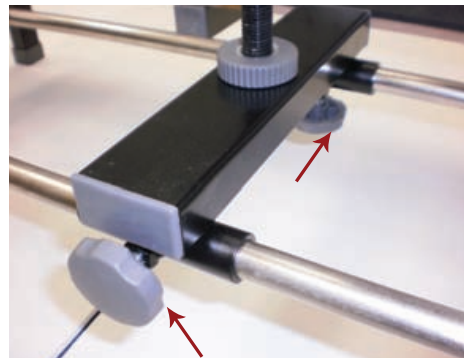
At times it may be necessary to grip the barrel (or a barreled action) in one of the vises. By placing the notches on either side of the barrel and then placing it into the vise, the barrel can be firmly held in place. Do not use on a hot barrel - maximum safe temperature is 150°.

### STEP 27



A handy parts/utility tray that fits over the rails is included.

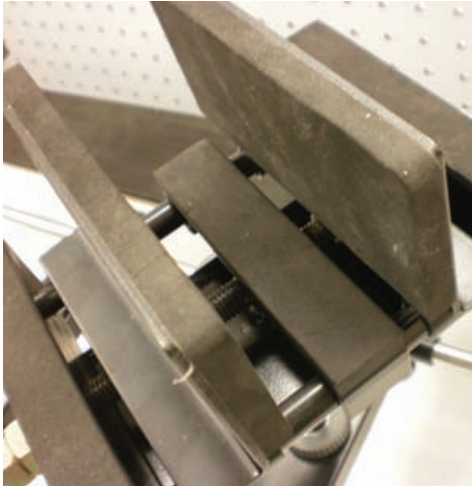
### STEP 28



Locking Knobs have been provided so that the sliding bases can be fixed in place.



## STEP 29



Each vise is supplied with foam padded floor plates which ride beneath the jaws so that the vise can close fully. The floor plate hooks over one end of the vise frame so that it can be removed or swung out of the way, but still remain on the vise. Use either the narrow or wide floor plate depending on the width of the gun.

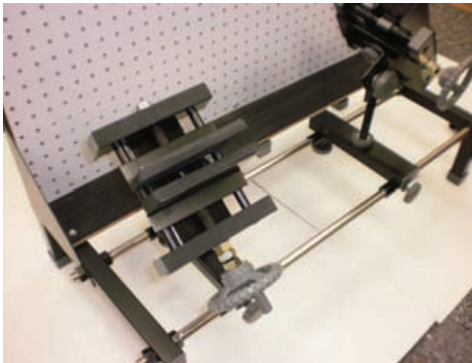
## STEP 30



To rotate a vise, back off the locking knob until the clutch faces disengage, then rotate until you have the correct angle and push the vise faces together. Tighten the knob.

Failure to fully disengage the clutch faces will result in damage to the clutch.

## STEP 31



If the vises do not move easily along the rails there could be several reasons:

- A) The vise assembly should be pushed at it's lowest point - Pushing at the top will cause binding.
- B) Keep the rails clean
- C) Make sure the lock up knobs are not engaged
- D) Flexing of the rails - see Step # 32
- E) Generally if all the above are in order "working in" will solve all issues as the black finish on the sleeves that ride on the rails is on the inside of the sleeves also and this requires time to wear in.

## STEP 32

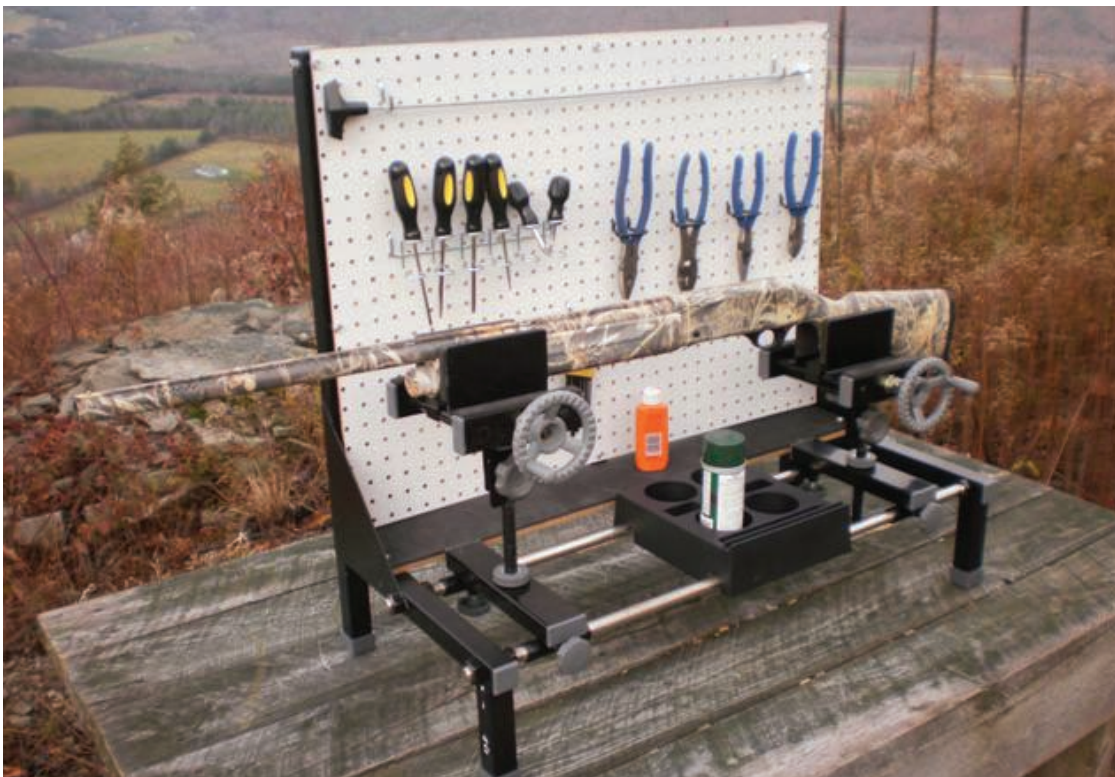


It may be necessary to relieve tension in the rails that may cause them to flex or bow slightly.

Back off the outside nuts on one end of each rail at one leg. Now turn the inside nuts 2-3 turns counter clockwise. (loosen them) Then tighten the outside nuts. This will receive torsional pressure.



The vises can be set at opposed angles for working on AR-15's.



Works great with shotguns.



# • REPLACEMENT PARTS •

These are replacement parts for purchase. Pictures do not represent contents of set.



## Parts List & Pricing:

30181 - 1	Pegboard Mounting Spacers with Screws - 5 sets	\$ 5.00
30181 - 2	Traverse Rod M-16 x 33 1/2" - 1 pc (nuts sold separately)	\$ 15.00
30181 - 3	M-16 Hex Nuts - 4 pcs	\$ 5.00
30181 - 4	Vise Support Rod M-16 x 125 m - 1 pc	\$ 10.00
30181 - 5	Vise Support Bracket - 1 pc	\$ 7.50
30181 - 6	Lock Knob M-16 - 2 pcs	\$ 7.50
30181 - 7	Shelf with Foam Pad	\$ 15.00
30181 - 8	Traversing Base For Vise - 1 pc	\$ 15.00
30181 - 9	Pegboard - 1 pc	\$ 22.50
30181 - 10	Lower Rear Brace	\$ 27.50
30181 - 11	Upper Rear Brace	\$ 19.50
30181 - 12	Leg Assembly - Left	\$ 22.50
30181 - 13	Leg Assembly - Right	\$ 22.50
30181 - 14	Feet - 4 pcs	\$ 7.50
30181 - 15	Clutch - 2 sets	\$ 10.00
30181 - 16	Pegboard Bracket	\$ 5.00
30181 - 17	M - 12 Lock Knobs	\$ 10.00
30181 - 18	M8 x 20mm Lock-up Knobs - 4 pcs	\$ 12.50
30181 - 19	Vise Complete (as pictured)	\$ 42.50
30100 - 1	Foam Pads for Vise Faces - 4 pcs	\$ 10.00
30100 - 2	Floor Plates for Vise (1x25mm & 1x38mm) - 1 set	\$ 10.00
30100 - 4	Barrel Foam "V" Block Set - 1 set	\$ 7.50
30100 - 8	Hand Wheel - 1 pc	\$ 12.50
30100 - 15	Parts Tray	\$ 7.50
30100 - 18	M-12 Left Thread Hex Nut - 2 pcs	\$ 7.50

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Middleburgh, NY 12122

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\*\* \$25.00 Shipping & Handling to  
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# CLEANING & SCOPE MOUNTING STATION

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