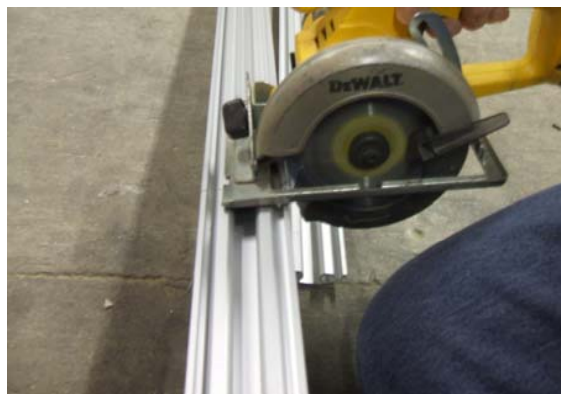




Deck Mount Installation with Bench



1. Mark track with square.



2. Cut tracks with saw.



3. Drill ¼" hole (if needed.)



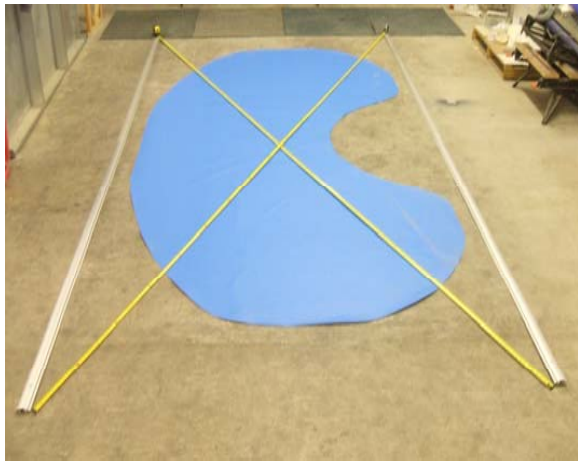
4. Countersink track.



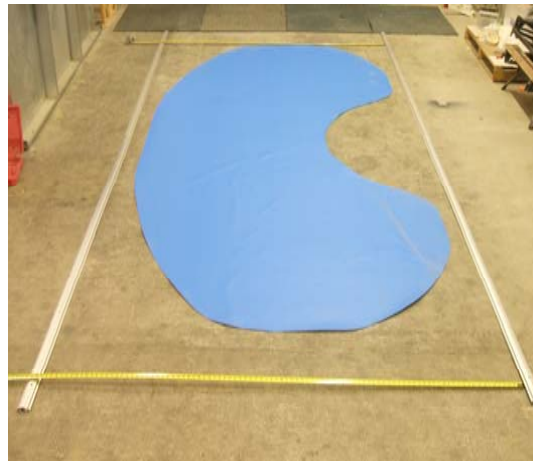
5. Countersink all track ends.



6. File all track ends.



7. Lay out tracks and do diagonal.



8. Check Track Space (both ends.)



9. Position shims under track.



10. Using $\frac{1}{4}$ " hammer drill bit, drill shim end of track.



11. Install 2 $\frac{1}{2}$ " screw with anchor at shimmed end.



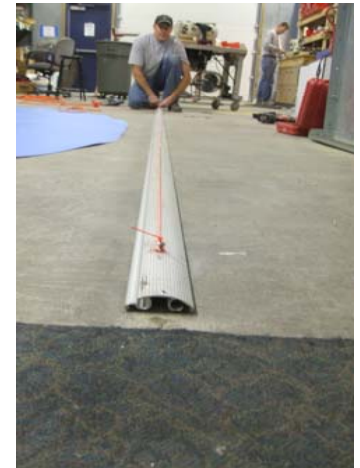
12. Drill pulley end of track and add 1 $\frac{3}{4}$ " screws and anchors.



13. Tap end pulley to make mark in deck.



14. Drill Hole to counter sink for pulley nut.



15. String out track to ensure it is straight.



16. Next Drill the splice (both sides.)



17. Set screws in splice first then continue drilling the rest of the track (both sides.)



18. Leave screw head up ½" to have room for the rope (shown later.)



19. Using 5/32" drill bit, drill track and guide. (both sides.)



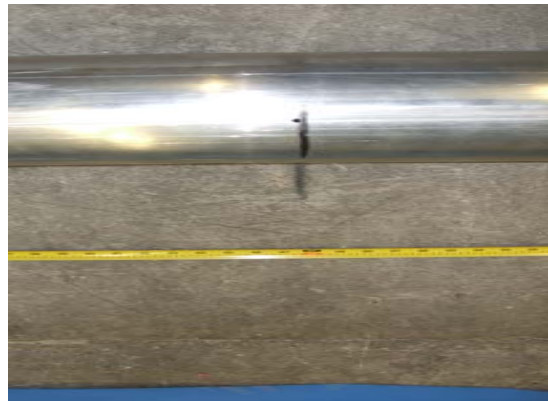
20. Attach drum to end-casting supplied 1/2" bolts. (both sides.)



21. **ON MOTOR SIDE** measure center of bolt to end of track.



22. **ON OPPOSITE SIDE** measure 12" from center of bolt to end of track.



23. Find the Center between the two tracks mark deck. Using center line on drum align the mark on drum with line on deck.



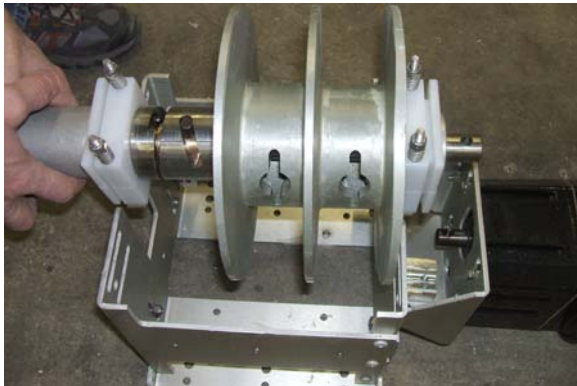
24. On opposite end drill $\frac{1}{4}$ " hammer drill (4 holes.)



25. Set screws and anchors and tighten down with drill.



26. **ON MOTOR END** Un-fasten bolts (9/16" socket.)



27. After removing coupler, lift out the end casting and remove shaft and rope reel assembly. Then re-install end casting back into motor end housing.



28. **Double check distance from pulley bolt to track (12")** Using hammer drill, drill 6 holes.



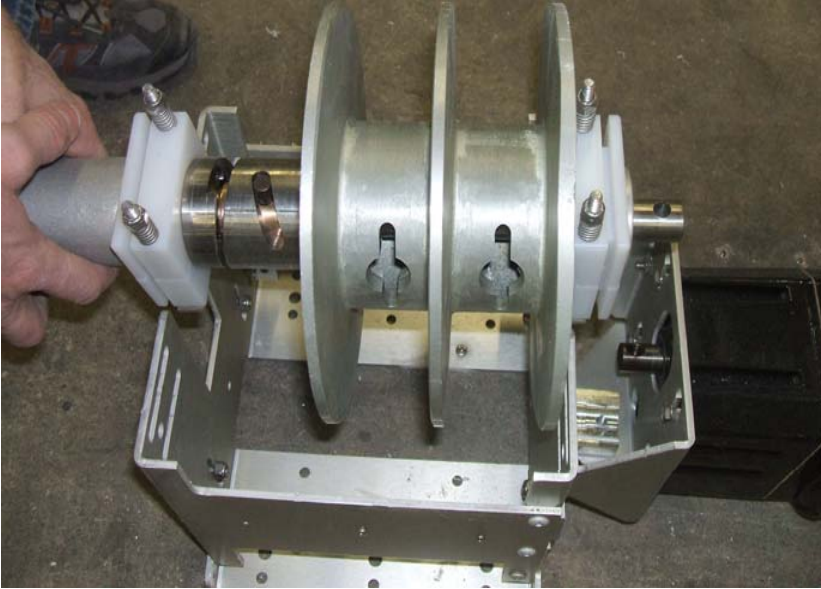
29. Set screws and anchors using long screw driver and hammer. Fasten down to deck.



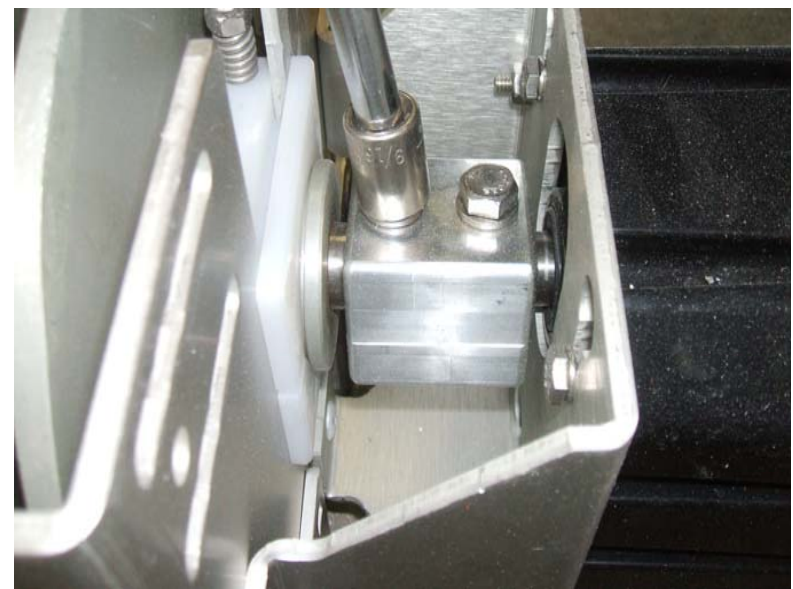
30. **Opposite Side** Raise approximately 2" (depending on deck crown or fall) and level, tighten ½" nuts.



31. **Motor Side** Raise approximately 2" and level, check level on drum then tighten ½" nuts.



32. Re-install shaft and rope-reel into motor side housing.



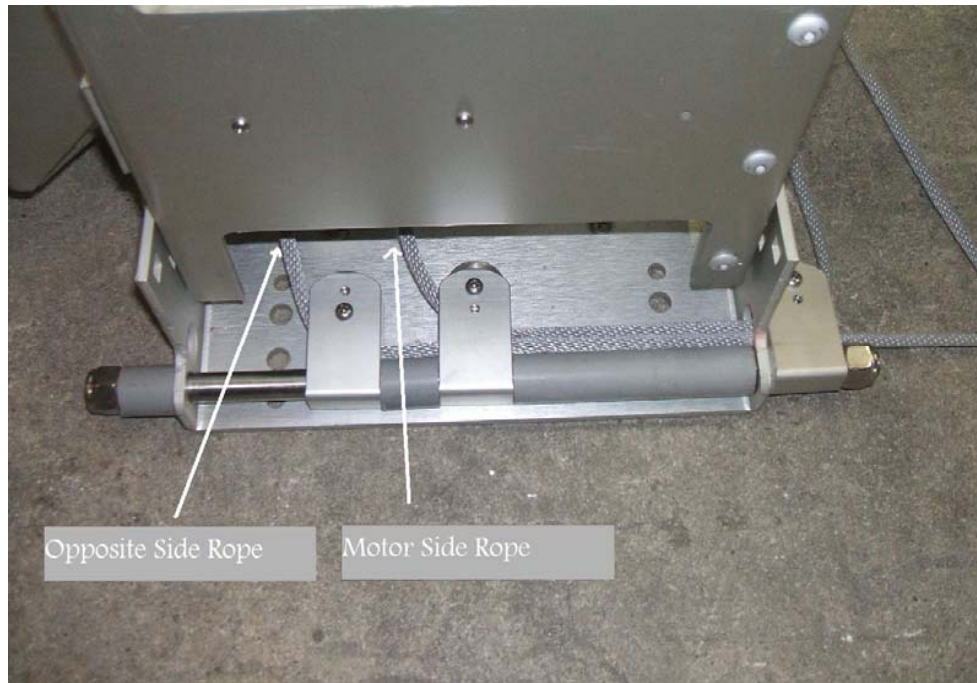
33. Re-assemble motor coupling with 9/16" bolts and Washers.



34. From opposite end pulley to motor end pulley mark deck with chalk line. Drill two 1/4" holes with hammer drill, 4 feet from each pulley and drive In anchors and screw in the eyelets as shown. Roll out cover behind drum, untangle ropes and lay on top of fabric. (both sides) Run ropes under drum and through hole in guides. ->



35. Allow 3-4 feet of rope and snap rope into track. Pull ropes down to pulleys and feed rope through pulley as shown. Snap ropes in outside channel of tracks and pull entire length of track back to guide. On opposite end continue rope through pulley then through both eyelets. After both ropes are run, tighten all track screws starting at track splices.



36. Run motor side rope through pulleys as shown.
Run opposite side rope through pulleys as shown.



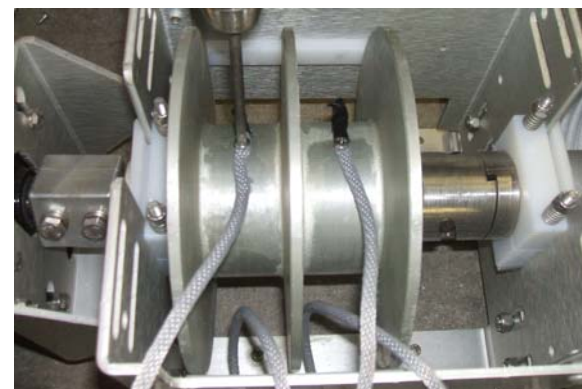
37. Pull ropes equally until cover hits guides, Pull ropes tight to "pre-stretch." With cover pulled even leave 6 feet extra and cut ropes.



38. Keep ends from fraying on ropes, use tape or melt ends.



39. After ropes are ran, install 1" screw as shown above (both sides.)



40. Use ½" drum screws to attach ropes to rope reels or tie knot and use keyhole.



41. Feed cover into one side of track, pull other side tight and slide lead edge across entire length of the fabric.



42. Position white triangle over the 2 holes in lead edge, Install two ½" drum screws as shown.





43. Evenly distribute fabric across lead edge Feed fabric into track on other side.



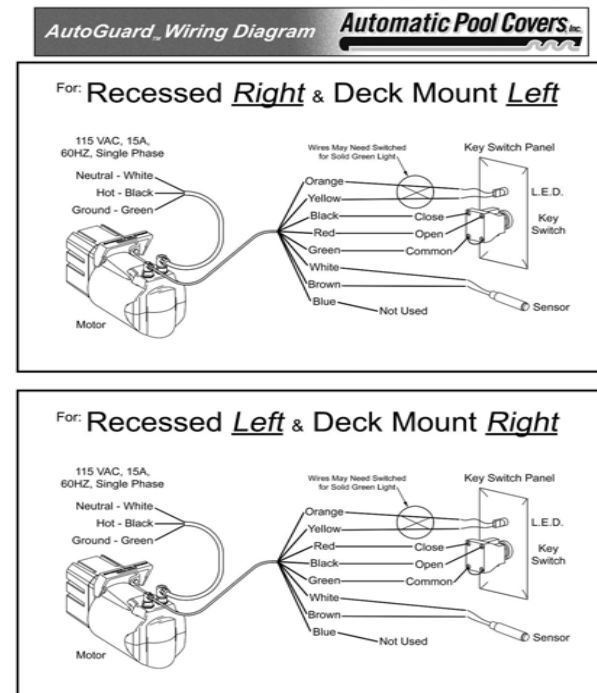
44. Flip lead edge over and install wheels using two ½" drum screws per side.



45. If applicable install 3 prong plug on end of power cord.



46. Connect Power Cord and Low Voltage cord to back of motor. Wire Key switch according to the side see diagram to right → Connect to power source.





47. Closing cover run extra rope on reels Close cover, stopping cover 3" from Pulley end of tracks.



48. Attach fabric to drum using pre-drilled holes. Line edge of webbing to edge of end casting install first screw as shown above (both sides.)



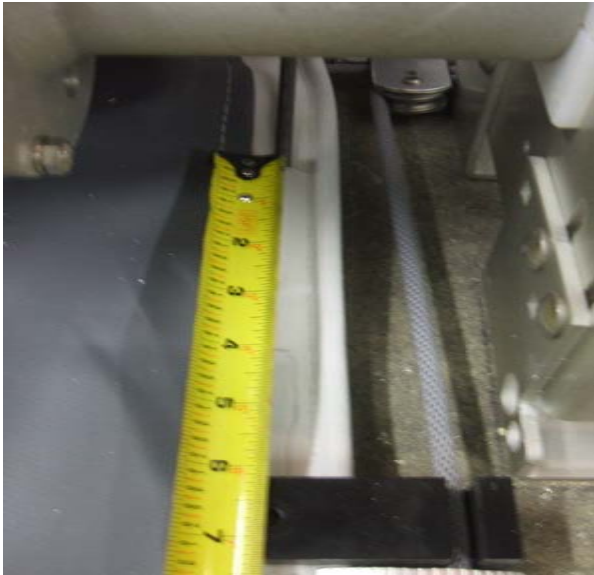
49. Pull fabric tight and install second screw using drum screw (both sides.)



50. Pull 2" of slack on 3rd hole and attach fabric to drum (both sides.) Continue this pattern until you run out of holes. ***Note fabric should be tight in middle, no slack in middle of Drum***



51. Fabric attached to drum complete.



52. Cut a slit 6" behind guide, slide in magnet and push past guide one inch.
May have to adjust magnets due to grab rails, slide, etc



53. operate cover to open position and stop wheels before guides. Flip lead edge over and insert magnet into natural opening in webbing and use a push rod to slide the magnet approximately 7-8" ***May need to make adjustments to this due to distance between water and mechanism***



54. Next Screw in sensor to guide making it flush to the bottom of the opening. Tighten down lock nut.



55. Position Opposite end bracket as shown (bolt should be in center of up right.)



56. Center motor end bracket next to handle measure 2 1/2" from handle to upright.



57. Drill 1/4" hammer drill in all 8 holes on both brackets.
(depth should be 2 1/2" deep)



58. Use 1/4" mollys for back holes and track screws and anchors for front holes.



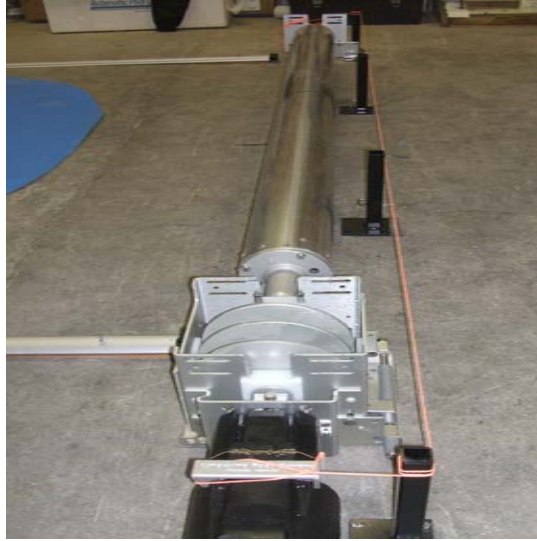
59. Tighten down front screws.



60. Tighten down 7/16" molly nut. Check upright for 90° (may need to shim bottom of brackets.)



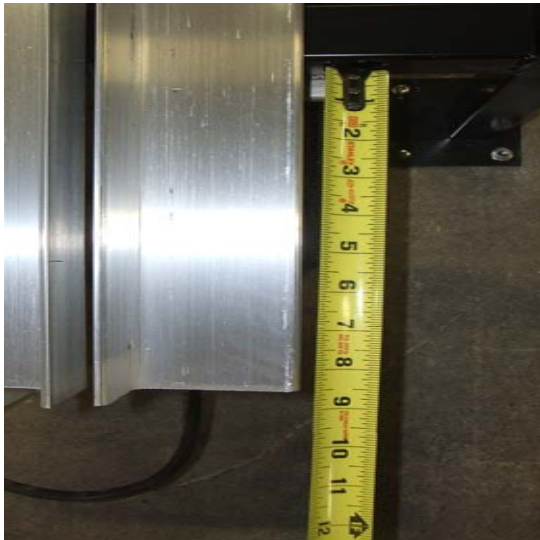
61. Space out remaining brackets evenly between the two end brackets.



62. Run a string between the two end brackets. Align remaining brackets on string and drill all holes.



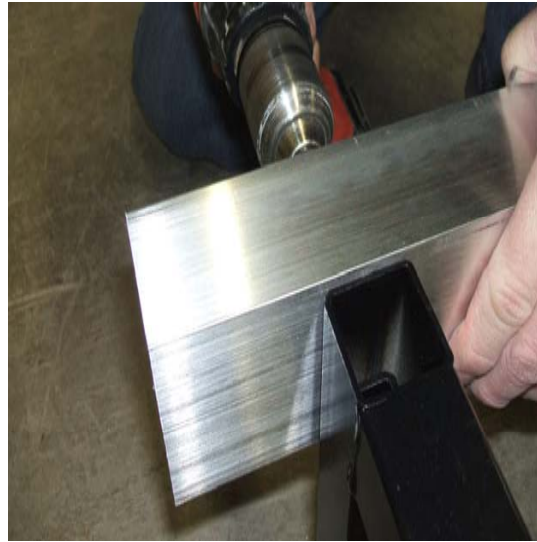
63. After all mollys and track screws are installed, double check with "L" bracket for level. Slide all "L" brackets in place.



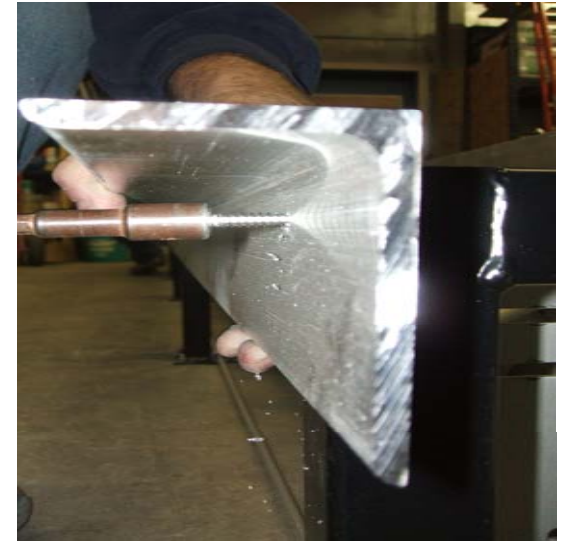
64. Lay angle aluminum on top of brackets as shown (long sides facing out) Square up the ends, then measure 3" on opposite side from bracket to end of angle aluminum, repeat on motor side (9 inches on motor side) Next mark both angle aluminum pieces directly center of "L" bracket. **Position holes $\frac{3}{4}$ " away from vertical as shown above**



65. Using 1/4" drill bit, drill holes marked on the angle aluminum.



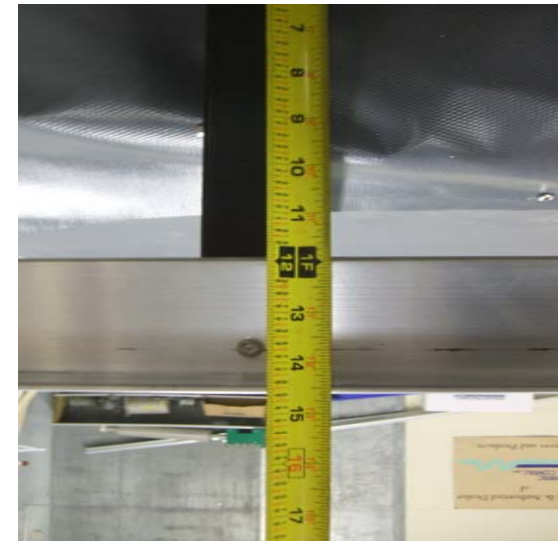
66. Starting on the back of the "L" bracket using a 5/16" nut driver screw in self tap screws provided (**Aluminum should be 1/8" higher than top of bracket**) Continue using self tap screws until the angle is secured to back of brackets.



67. Before installing front angle aluminum square up to back aluminum angle as shown.



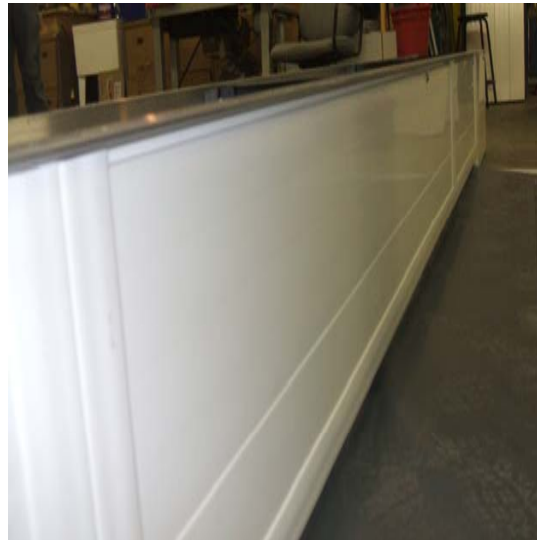
68. Finish installing front aluminum angle on front brackets **making sure it is level from front to back.**



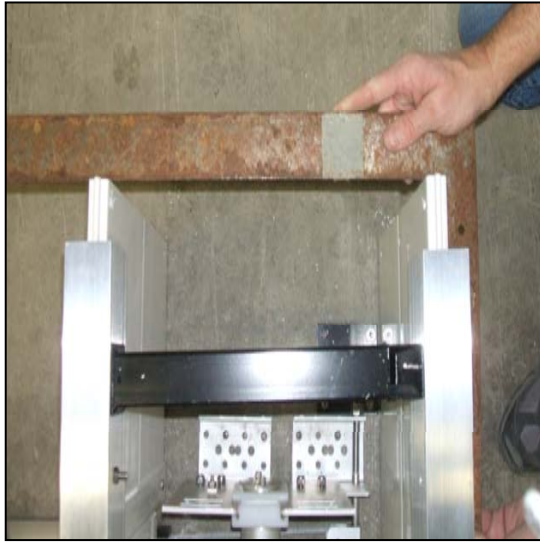
69. Starting at the center most brackets raise up to 15" and secure bracket using self tap screws (**2 per bracket**)



70. Lay front pieces of vinyl (**face down**) on top of bench frame, match up like numbers on sections. Slide sections together use $\frac{1}{2}$ " drum screws to assemble sections. (2 per section) Use pre-drilled holes.



71. After all sections are assembled rotate entire section so the opening in the vinyl is facing down. (**needs to be spaced equally over the tracks.**) Push vinyl to the underside of the aluminum. Then using $\frac{1}{4}$ " drill bit, drill through vinyl and aluminum angle. Drill 4-5 holes equally spaced. Use the 3" stainless bolts with washers and nuts attaching section to angle aluminum.



72. Square up ends of vinyl.

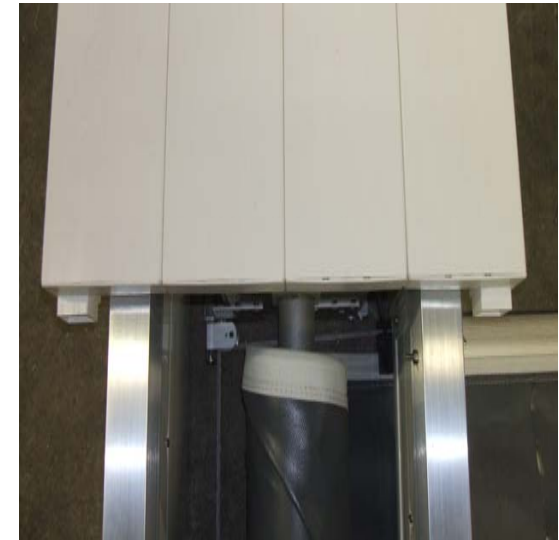
73. Repeat process on previous page to attach back sections together. Rotate back section and square end up to front section. As show to the right → Drill and attach back section to aluminum angle.



74. Tighten up nuts using 7/16" wrench.



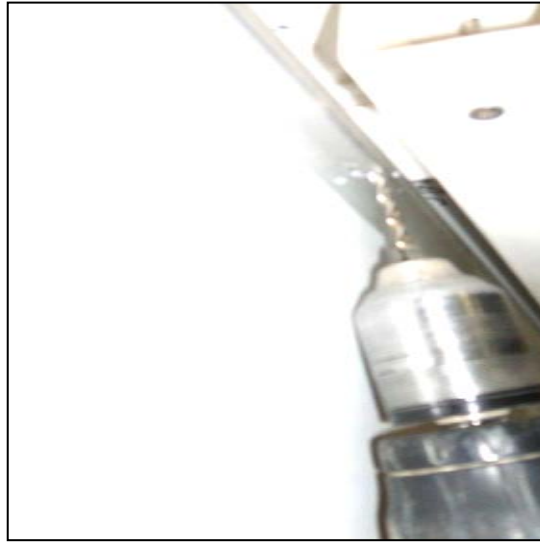
75. Slide on "end" vinyl pieces and attach to front and back sections using ½" drum screws as shown. (2 per side) 4 total.



76. Next lay out top of bench and evenly space over top of frame. Front to back.



77. Connect all top sections together and space evenly over bench frame as shown.



78. Looking up at underside of bench top, using 11/64" drill bit find a cross member and drill through aluminum at center of cross member (**do not drill into cross member**) using 1" wood screw attach lid to bench frame. Drill 2 holes per lid section, diagonal from each other.



79. ***Optional key switch installation-*** using 1/2" drill, drill through motor end of bench and through J-box. Pull low voltage wires and sensor wires into j-box and wire as shown in the diagram. Using 1/2" drum screws mount key switch onto end of bench.