

# **ASAP Sr.**

## *1000# Winch Assembly*

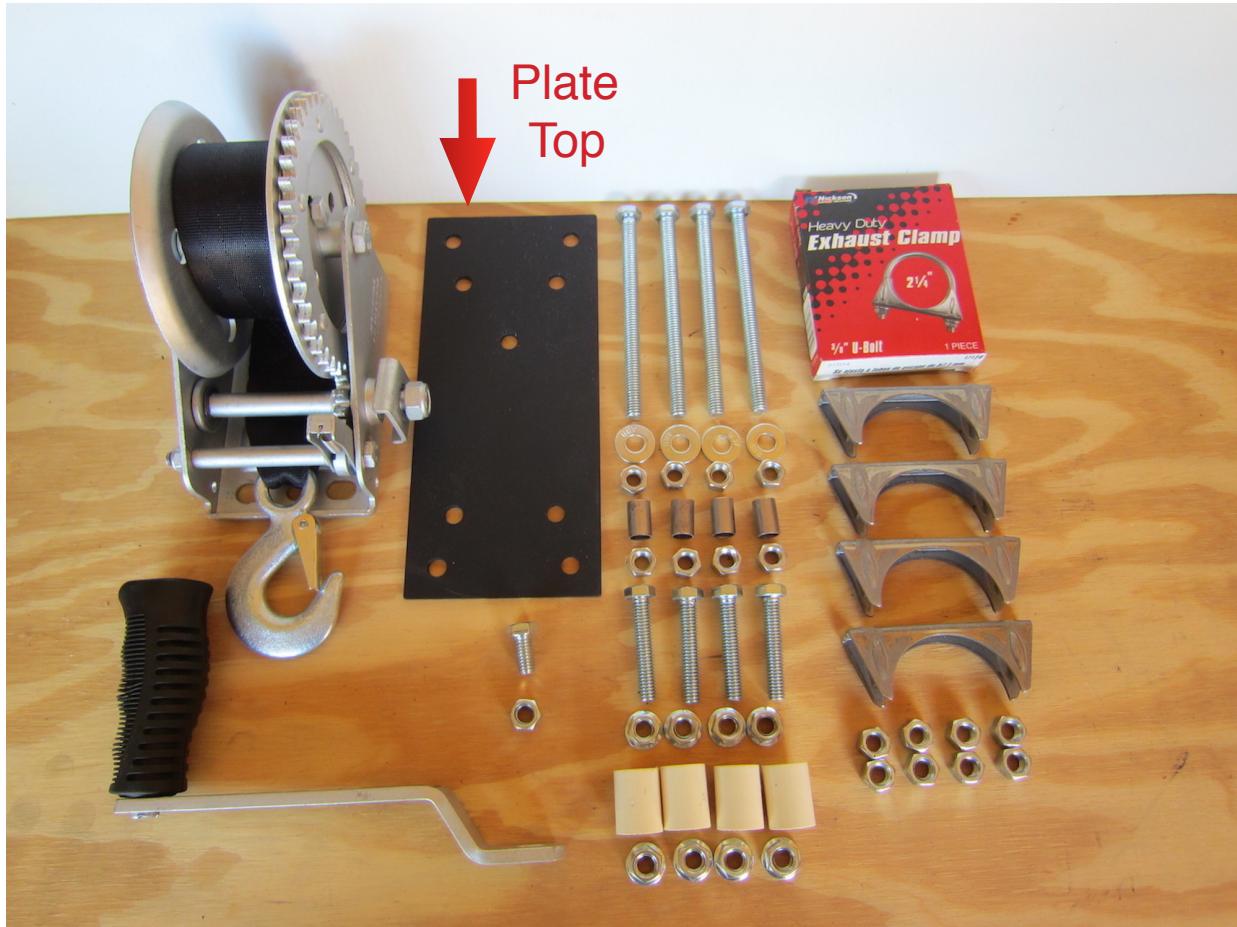
The ASAP Sr. differs from the ASAP Jr.  
(as seen in the video) –

<https://www.youtube.com/watch?v=P8XRpqi3dvU>  
in that the ASAP Sr. uses a 2" outer pole, 1 1/2"  
inner pole and a 1" inner pole for more stability and  
achieving greater height.

# Parts Needed:

<b>Quantity</b>	<b>Description</b>	<b>Price</b>
1	Winch w/strap, 1000# Marine Raider. Available from Academy Sports and Outdoors. sku011899150	\$24.99
1	Winch Adaptor Plate. Available from Boscoyo Studios.	14.00
4	Exhaust Clamp, 2 1/4" @ \$3.59 Use the one that have 3/8" U Bolts. The U Bolts are not used but the washer nuts are used. Available from Auto Supply Stores.	14.36
4	3/8" X 5" All Thread Bolts @ \$.73 Available from Home Depot.	2.92
4	3/8" X 2" All Thread Bolts @ \$.34 Available from Home Depot.	1.36
1	3/8" X 3/4 Bolt @ \$.25 Ace Hardware Store.	0.25
17	3/8" Hex Huts @ \$.12 Available from Home Depot.	2.04
4	5/16 Flat Washers @ \$.12 Available from Home Depot.	0.48
4	3/8" X 3/4" Steel Spacers @ \$.40 (can sub 2 - 3/8" nuts and 1 5/16" washer per spacer) Available from Ace Hardware.	1.60
4	1/2" X 1" C PVC Coupling @ \$.27 Available from Home Depot.	1.08
	<b>Total</b>	<b>\$63.08</b>

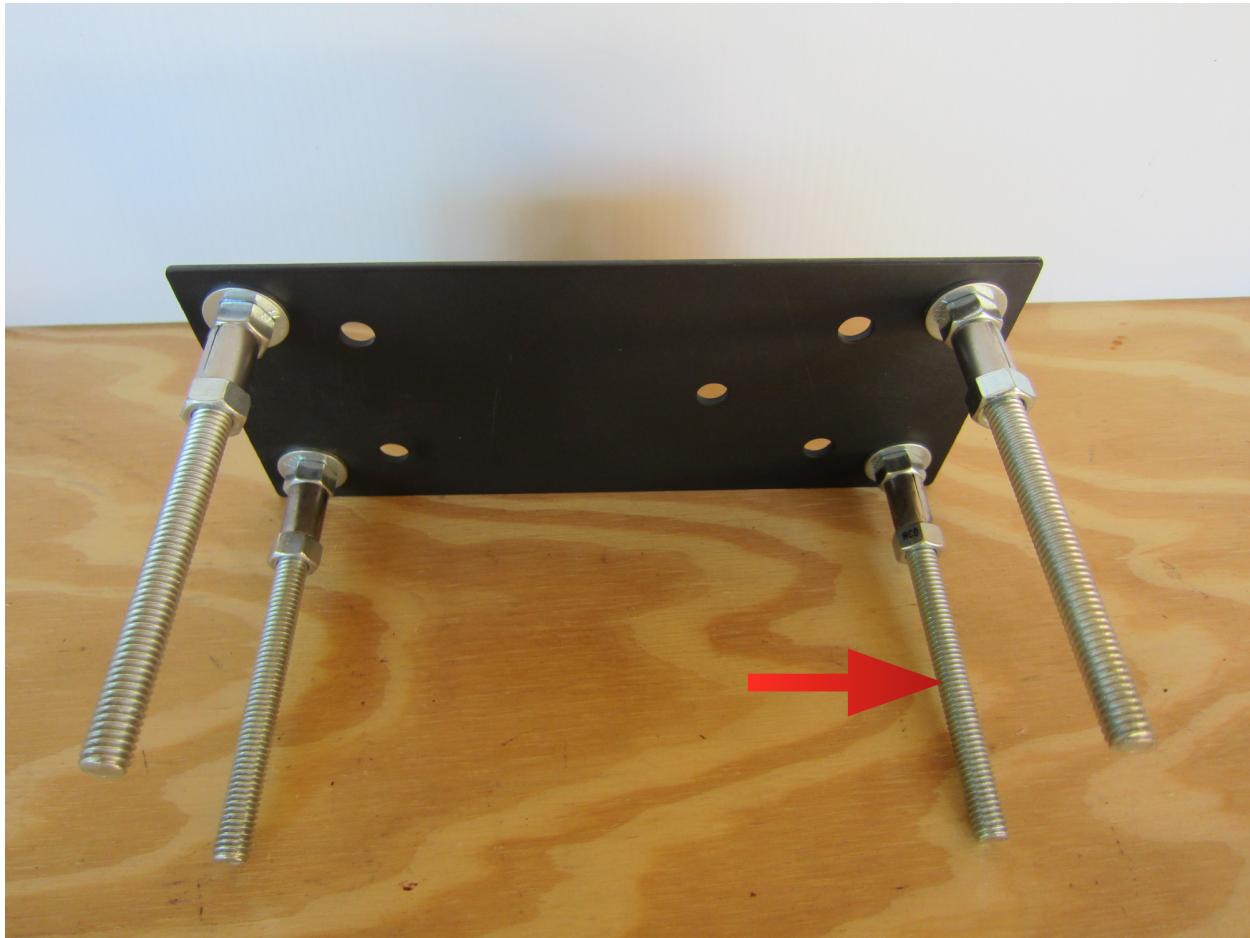
# Parts



## Tools Needed for Assembly:

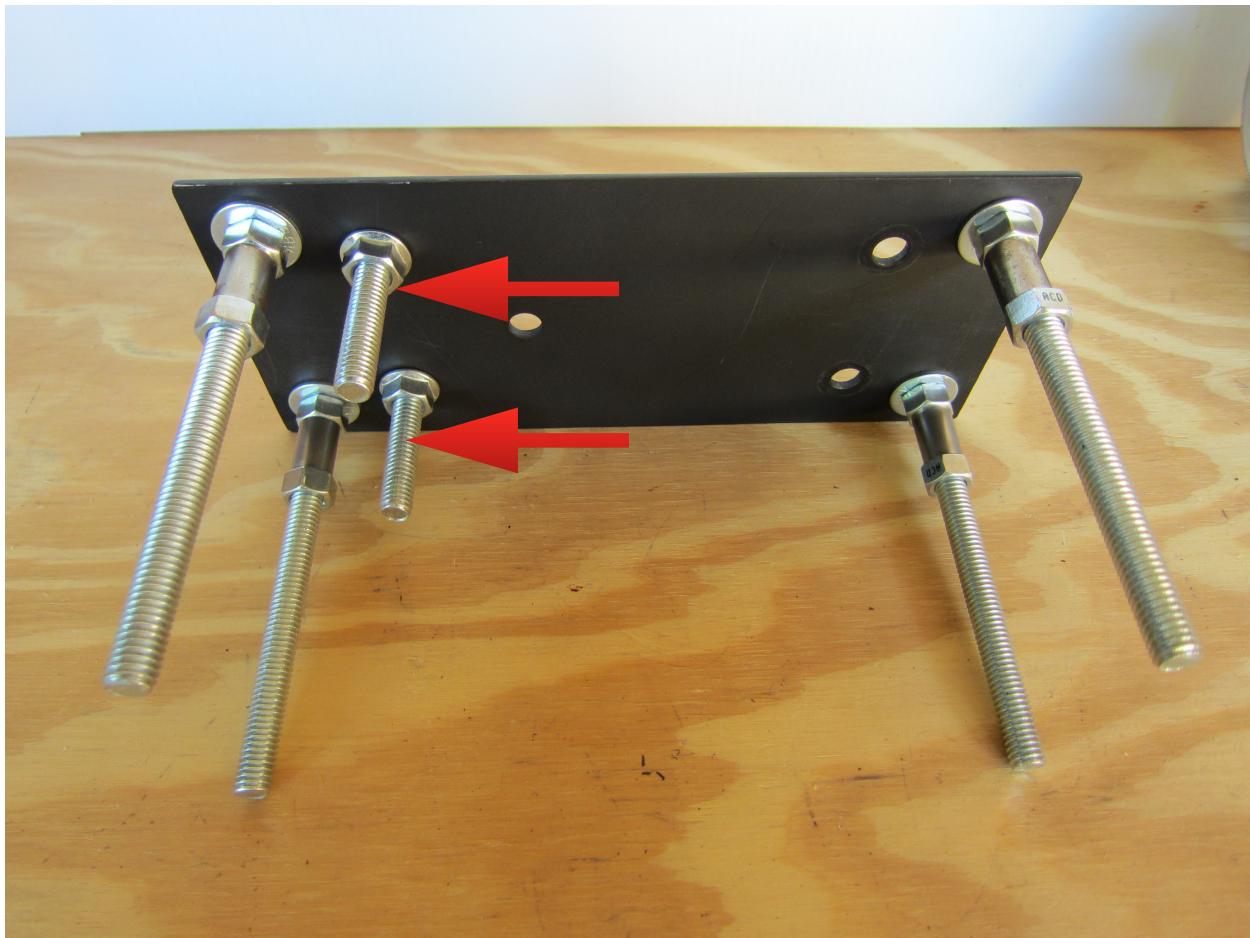
- 2 - 9/16" Box End Wrenches
- 1 - Needle Nose Pliers

# Step 1



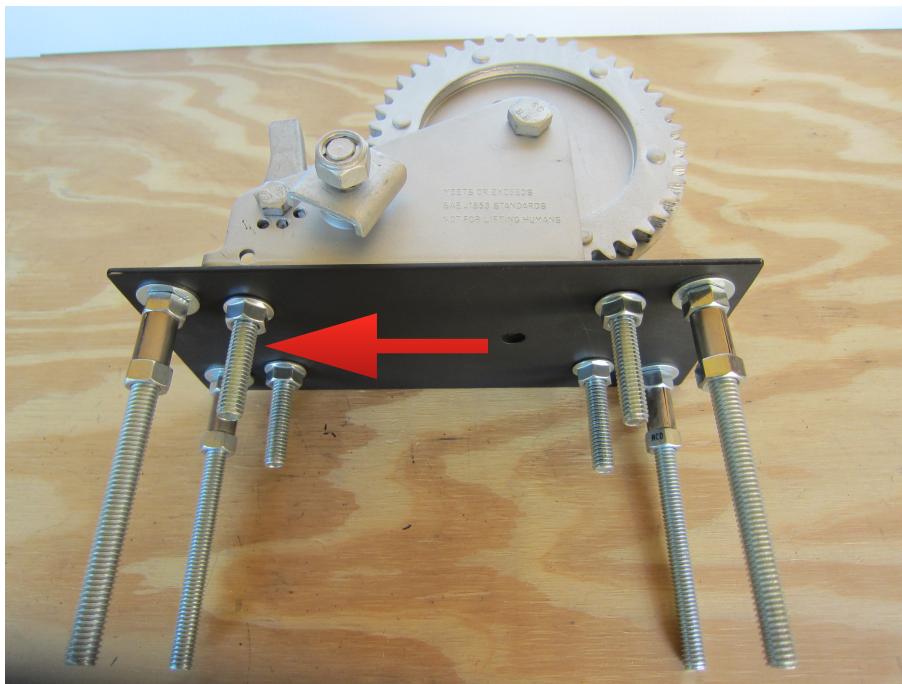
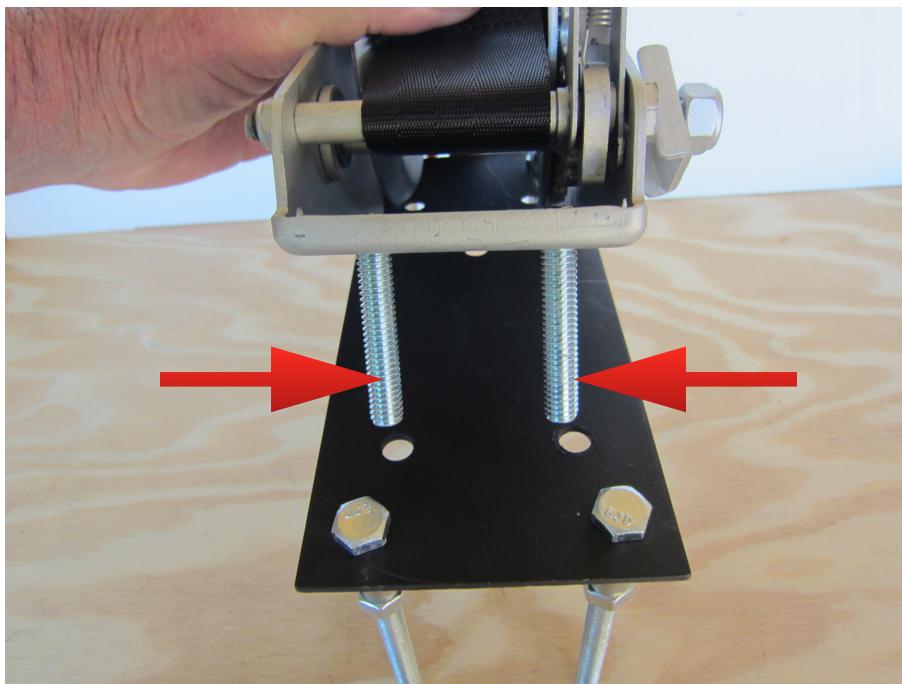
Install 4 - 3/8" X 5" All Thread Bolts in Plate Corners using 5/16" washers, 3/8" Hex Nuts, Spacers and 3/8" Hex Nuts. (Can sub 2 - 3/8" Hex Nuts and 1 - 5/16" washer for the spacers) . Tighten.

## Step 2



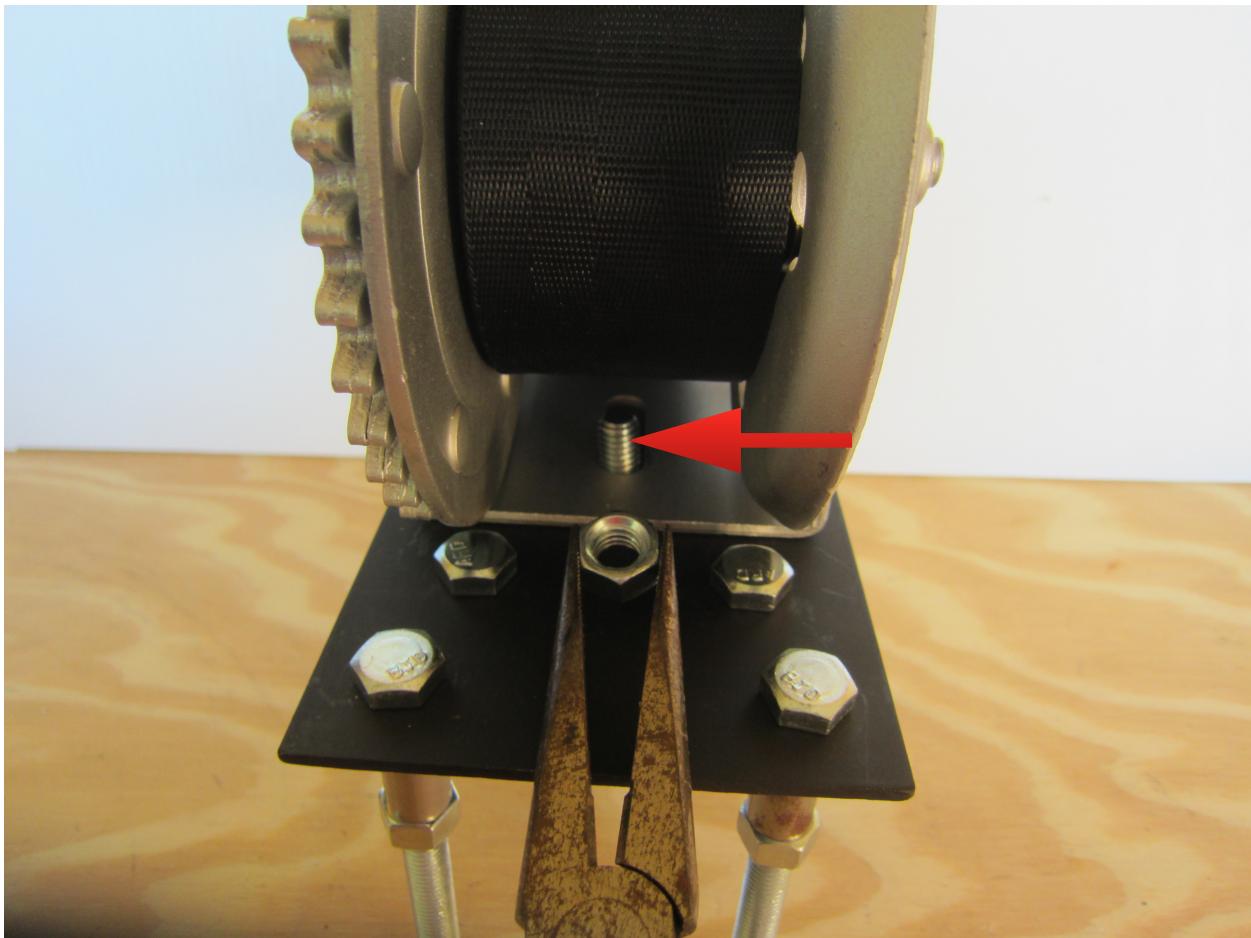
Install 2 - 3/8" X 2" All Thread Bolts in top of plate using 2 - 3/8" Washer-Nuts (From Exhaust Clamps). Tighten.

## Step 3



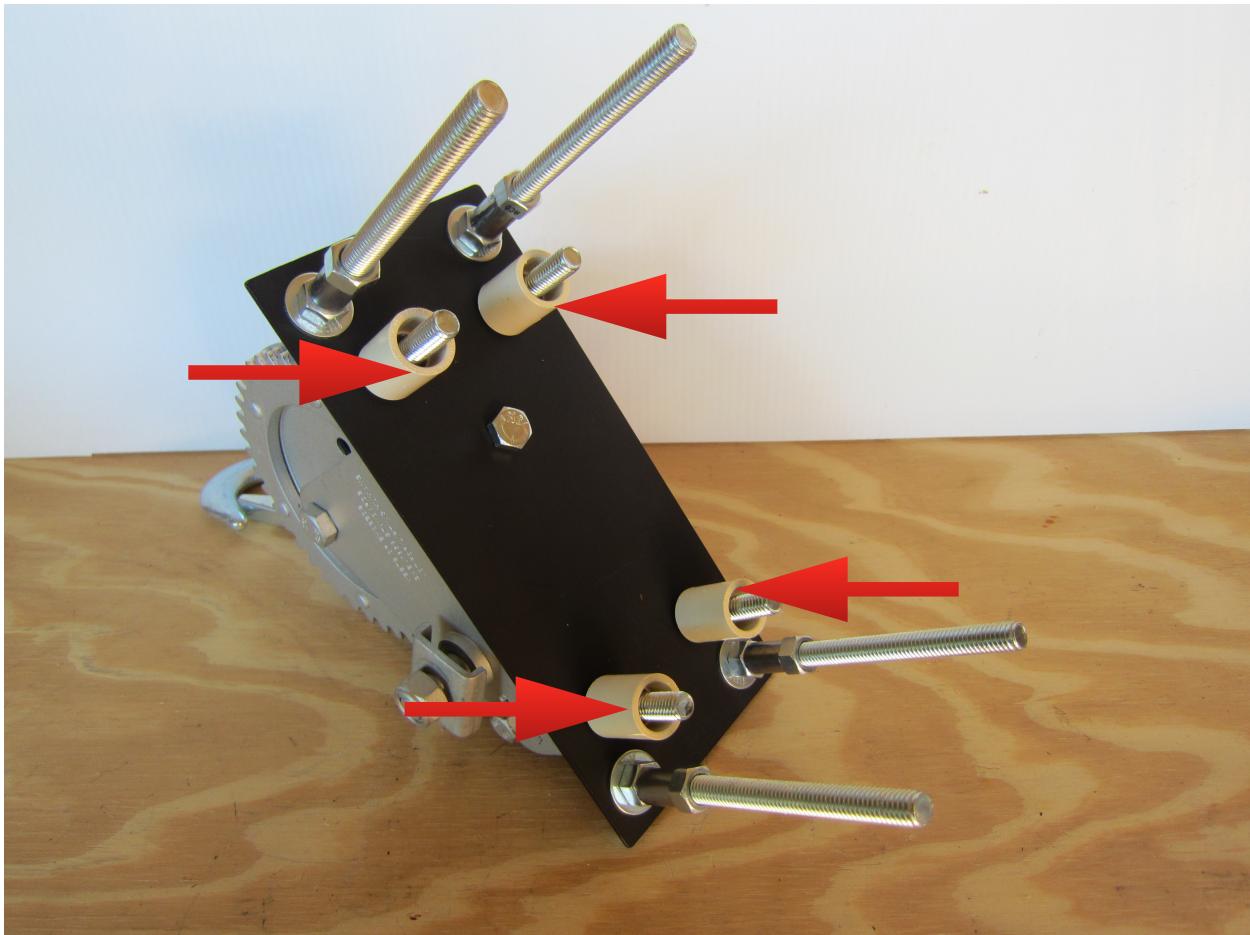
Place 2 - 3/8" X 2" All Thread Bolts into Lower Winch holes and attach winch to plate using 2 - 3/8" Washer-Nuts from Exhaust Clamps. DO NOT TIGHTEN.

## Step 4



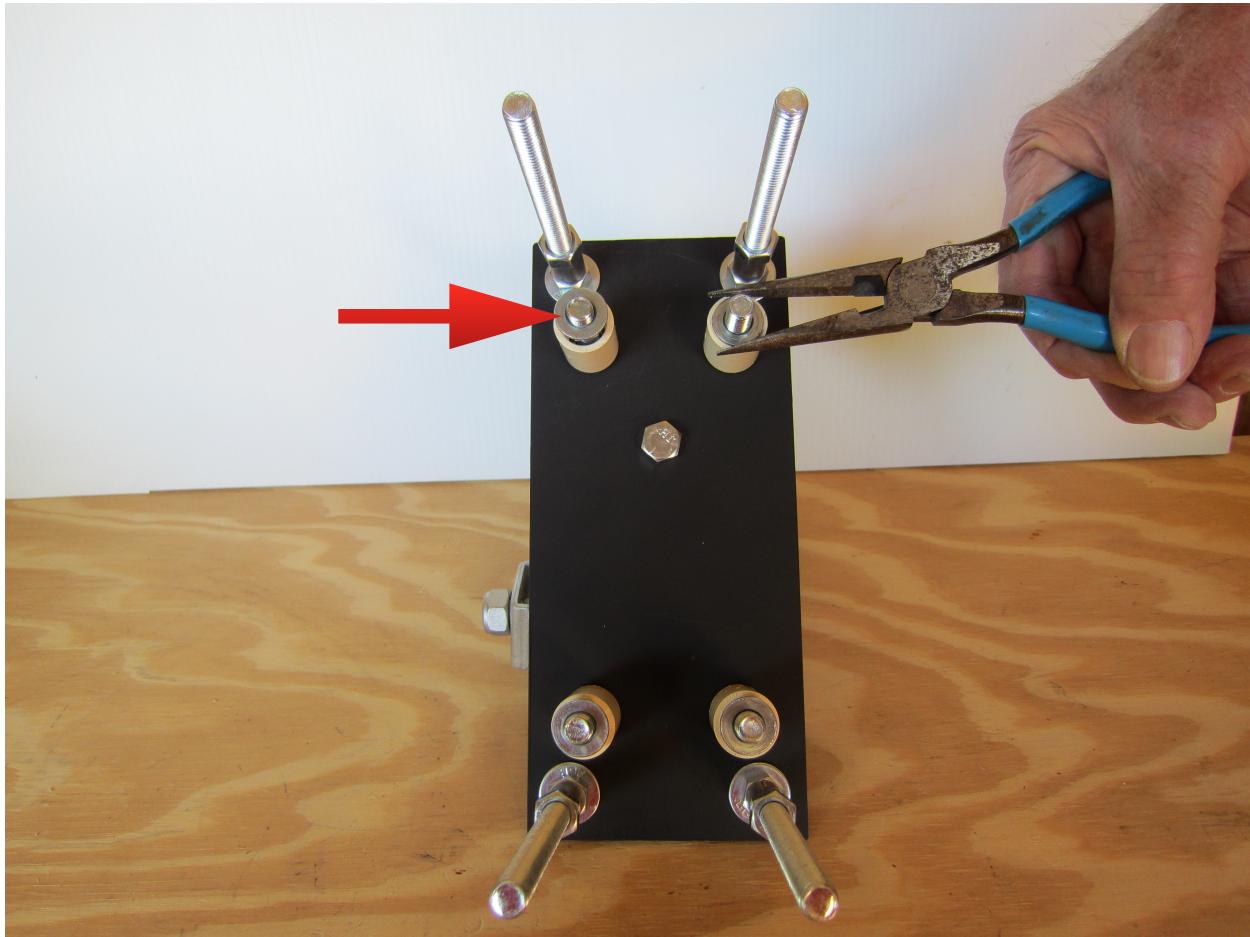
Install a 3/8" X 3/4" Bolt into upper winch plate and winch frame as shown. Use needle nose pliers to help start 3/8" Hex Nut onto Bolt. Tighten all 3 winch Bolts and Nuts.

## Step 5



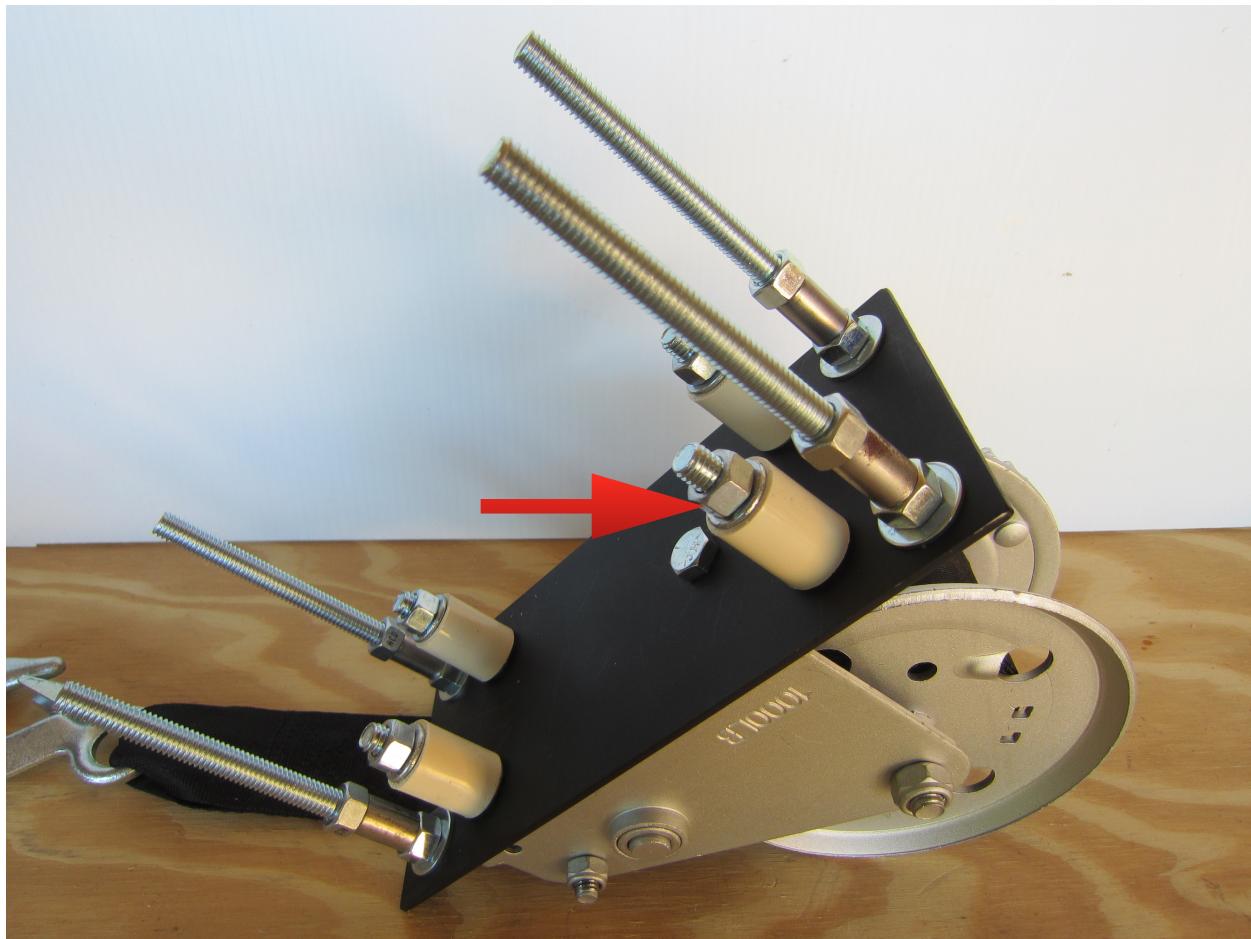
Turn Assembly over and slide 4 - 1/2" X 1" C PVC Couplings onto the 3/8" X 2" Bolts. These couplings will act as EMT Push Pole Guides.

## Step 6



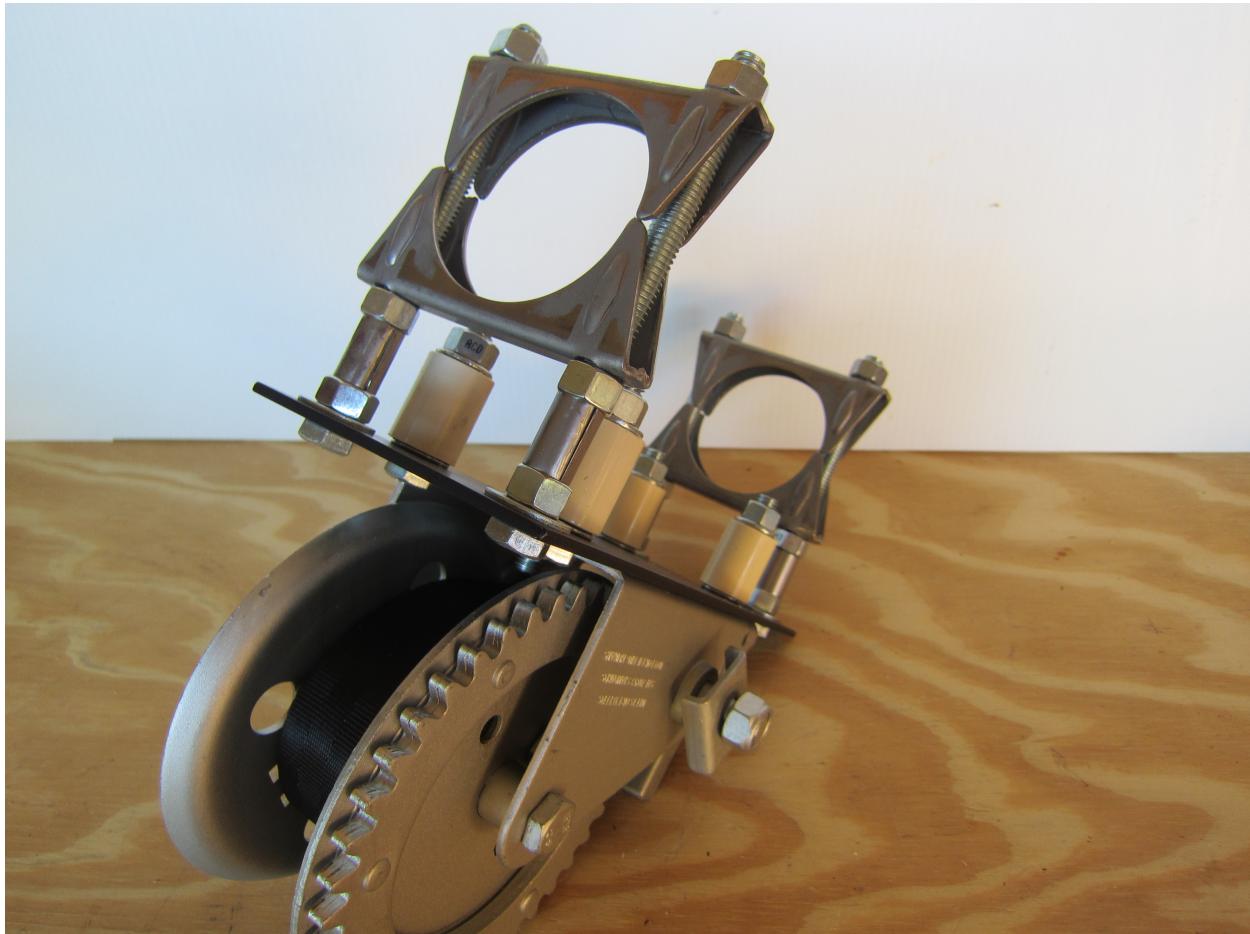
Screw 3/8" Washer Nuts into the C PVC Couplings using Needle Nose Pliers.

## Step 7



Screw 4 - 3/8" Hex Nuts onto all 2" Bolts as keepers.  
Tighten.

## Step 8



Install 4 - 2 1/4" Exhaust Clamps onto the 3/8" X 5" Bolts using 4 - 3/8" Hex Nuts. To install on pipe remove Hex Nuts and Back Half of Clamp. Be sure to tighten Back Half of Clamp evenly and securely to pipe.