



## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com

Thank you for your purchase of the Cruz Fire Elite! Please feel free if you have any questions during your assembly process. Assembly will take roughly 45 min to an hour. Two people are preferred, but it is possible to assemble by yourself as well.

An instructional video can also be found on [www.CRUFIRE.com](http://www.CRUFIRE.com) on the *Assembly* page.

### TOOLS REQUIRED

rubber mallet (or block of wood and hammer)  
9/16" and 3/4" socket and ratchet (battery impact is preferred)  
9/16" open end wrench  
channel locks  
hammer



**STEP 1 – Remove all banding and shrink wrap from pallet. Cut all zip ties. Remove cardboard box. Open bag with nuts and bolts and set aside. Find belt in cardboard box and set aside. Set aside tire.**





## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com

**STEP 2 – remove the body from the pallet. Remove the training legs (if applicable) from underneath the body or from being zip tied on the pallet. Reach under the body and remove the horns which are held on by a wing-nut.**



**STEP 3 – Remove frame from the pallet. Remove the 3 bolts holding the frame together with your 9/16" socket or impact. If you have the breakaway hitch extension that will be bolted on as well.**



### STEP 4:

**Remove the front fork bracket from frame. Then remove spring tongue from front bracket. Seperate skis. Remove yolk from ski.**





## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com



**STEP 5:** Lay out all pieces in order. **IMPORTANT! The skis themselves need to be flipped around and rotated.** The left ski moves to the right and right to the left. **The flat part of the skis on the pipe skids DO NOT need to be rotated – they are correct.** The hole in the ski should line up with the hole in the front bracket. Here is what the pieces should look like laid out. Note the way the skis are laying. Again, you do not need to move the flat part of the ski, if that is not laying on the ground, the skis are not in the correct position.

If you are having trouble with this, please refer to the assembly video on our website.

**STEP 6:** Place each ski into front bracket – **VERY LOOSELY**. Only enough to hold the bracket on. Do not force on yet, this will make the rest of the assembly process easier.



**STEP 7:** Set rear yolk on skis. Line up holes. Drop all 4 carriage bolts through holes. Do not place nuts on yet.



## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com

**STEP 8: Place belt over small pulley on wheel axel.  
Place tire under rear yolk.**



**STEP 9: Place block of wood or something similar  
under one side of the skis. This will help elevate the  
tire and make attaching the bearings easier.**

**STEP 10: On the side without the block, line up holes on green bearing to carriage bolts. Place washer and nut on each bolt.**



**STEP 11: Move block to other side of ski, then line up the bearing on the opposite side in the same fashion. Then firmly hammer each carriage bolt to lock it into place (this is necessary for tightening). Then tighten all bolts with a 9/16" socket and ratchet or impact.**



**STEP 12: Stand frame on end. Using your rubber mallet or your block of wood and hammer, slowly work each side of the front bracket into the skis. Do a little at a time, alternating sides, careful to stop when the holes line up. It is difficult to pull the frame out once you have driven it too far in.**

**Place nut and bolt through each hole. Using a wrench to hold the nut in place, tighten each bolt with a 9/16" socket.**





## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com



**STEP 13: Lift the body up. Line the square tubing on the body frame to the square tubing coming off the rear yolk. Slide body onto the square tubing. Then place bolt and nut through the hole. Tighten with a 9/16" socket and wrench. This is easiest to do if the plastic body is not attached to the metal frame, but can be done either way.**



**STEP 14: If setting up the dummy for team roping, remove breakaway insert in head by turning the knob on the top of the head. Remove breakaway insert. Insert horns taking care to line up the bolts where the slots are on the backside of the head. Tighten back down with the same knob you used to remove the breakaway insert.**





## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com

**STEP 15:** Place the spring hitch through the front bracket and secure with two pins provided. If wanting to set up with the extension for the breakaway hitch, place the extension bar through the front bracket, then bolt the spring hitch to the extension bar. For more help with this visit our Tutorial Videos page.



**STEP 16:** Remove body. To do this, pull up the pin as high as you can beneath the handle. Move body forward (you should hear it dis-engage) then lift straight up. This is not about strength but finding the right release spot. This will also be easier once assembly is complete and the Cruz Fire is hooked up to something stable.

**STEP 17:** Take the lower bolt off of the legs, move the leg back into position, lining up the hole on the leg with the back hole on the metal leg plate. Replace bolt and nut and tighten with your 9/16" socket and wrench. If you want the legs to be staggered, place one in the farther back hole of the leg plate, and the other leg in the farther forward hole.





## CRUZ FIRE ROPING MACHINES

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com

**STEP 18:** If you wish you can widen the legs on the Cruz Fire. Simply use a crescent wrench to move the bolts on the inside of the leg plates. By moving each bolt, the legs will narrow or widen.



**STEP 19:** Place the belt over the small pulley at the axel, then place it over the large pulley at the body frame. If you are having any trouble, block up both sides of the skis so the tire can move freely, this will enable you to spin the belt onto the pulley more easily. Place the tension bar to take the slack out of the belt. You may need to lower it all the way down, or only barely at an angle at all. This will depend on how tight your belt is. It is not necessary for the tension bar to be all the way down, only that the slack is out of the belt so the legs hop. If needed tighten the tension bar into place with your 3/4" socket and wrench.





**STEP 20: Place the body back on. Do this by pulling up the pin as far as you can under the handle. Place the body farther forward on the frame than you would think. Then slide the body backwards until you hear the pin engage and lock it into place.**

**STEP 21: Hook it up and head to the practice pen! You have two options for hooking it up. If using a ball hitch, the spring hitch will go on either side of the neck of the ball, then you will lock it in place with the hitch pin.**



**If using a blank insert with no ball, the spring hitch will need to be rotated and the hitch pin will drop down through both. If choosing to hook it up this way, we recommend cutting a PVC spacer to help keep the machine quieter and there will be less banging.**





## **CRUZ FIRE ROPING MACHINES**

2875 E Maddock Rd.  
Cave Creek, AZ 85331  
(480) 476-6268  
info@cruzfire.com  
www.cruzfire.com

---

For more tutorial videos and instructions on taking the body on and off, changing the legs from stationary to hopping, and changing the legs from Competition Legs to Training legs, visit [www.CRUFIRE.com](http://www.CRUFIRE.com) and click on the Tutorial Videos page or Resources page.

**Please contact us with any questions or concerns. We are here to help!  
We hope you enjoy your Cruz Fire Elite!**