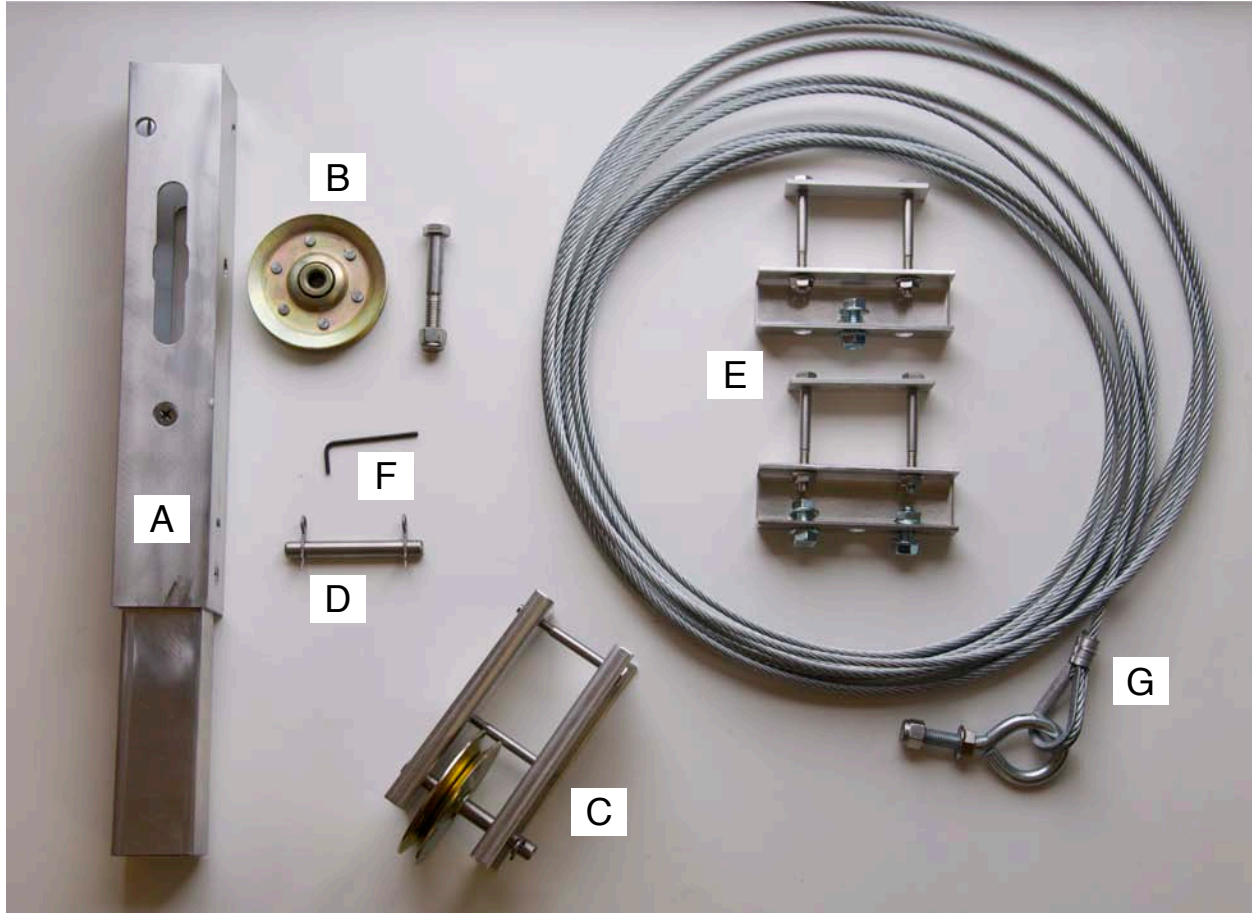


Convert A Rack



Parts

- A) Extension Piece. Has slot, splice and various drilled holes.
- B) 3 inch pulley with $\frac{3}{8}$ " stainless bolt with lock nut
- C) 2 inch pulley guide
- D) Stop pin with stainless hitch pins
- E) Winch Brackets. One unit with 4 bolts and nuts the other with three
- F) Allen wrench
- G) Cable
- H) D&L Brake Winch (optional)

Tools Needed

- 7/16" box wrench
- 9/16" box wrench
- 1/2" box wrench
- 1/8" allen wrench (optional depending on type of pole)
- File
- WD-40

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Begin by removing gourds from the hub and then your rack from the ground stake. Depending on the year of buy you have either a steel ground stake or aluminum. The racks that use aluminum ground stakes may have 4 set screws that snug the pole to the stake. Remove these set screws using a 1/8" allen wrench (not provided). Set the set screws aside.



You will find it so much easier to place the rack on an overturned 33 gallon or larger trash can. Lean the upper section on the trash can.

Remove the rope and pulley and the eyebolt that connects to the angle arm near the hub. Use your 9/16" box wrench to remove both eyebolts; one from the top of the pole the other at the angle. You wont be using the any of these parts and they can be discarded.

Remove the top cap from the pole. If it wont wiggle off you can use a flat headed screw driver and pop it off.

Remove the top perch rods using the allen wrench provided (F). Loosen and remove the set screws from the drilled and tapped holes. You will be reusing these set screws and top perch rods.

Before we can insert the extension piece (A) we will need to remove all the burs from inside the top of the existing pole. Using a flat file run the file around the edges of the top of the pole, then insert

the file into the upper section and make sure that the existing drilled holes are de-burred and clean.



Spray a bit of WD-40 onto the splice end of the extension piece (A). You will need to insert the splice so that the side that has the slotted opening (see photo) will be on the same side as the eyebolt hole that is on the hub.



You can now replace the top perch rods and top cap into the extension piece.

Next we will place the pulley into the milled slot. Holding the edge of the pulley slip it into the milled slot. Align the center of the pulley to the holes drilled thru the pole. Place the 3/8" bolt

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thru the pole (the hole is drilled for you), pulley and out the opposite end of the pole. Thread on the lock nut, but don't tighten yet.

Now we want to insert the stop pin. Remove one of the inserted hitch pins, place the pin in the hole below the the pulley slot. Replace the hitch pin.

Get you cable. Unwrap the cable and lay it out. Attach the eyebolt with nuts into the hole on the angle which is attached to your hub. Remove only the lock nut from the eyebolt, slip the eyebolt into the hole, and replace the lock nut and



tighten. Use a 9/16" wrench on the lock nut and use another open end wrench to hold the eyebolt in place. Tighten the lock nut all the way to the angle.

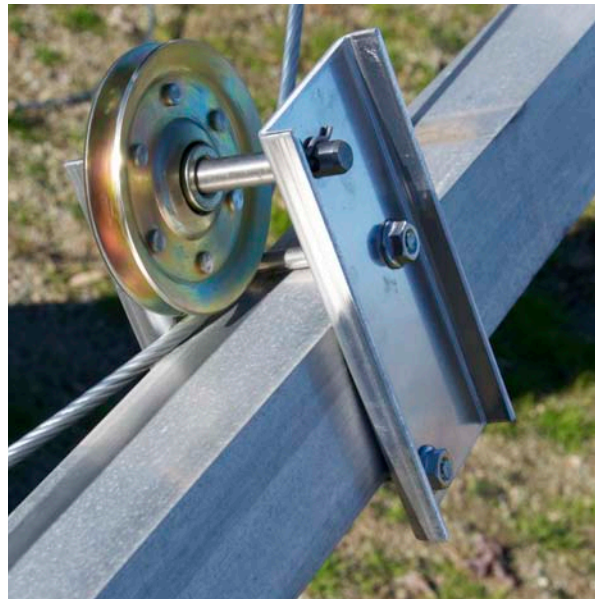
Run your cable up the pole to where the 3 inch pulley is. Place the taped end of the cable thru the top of the pulley and milled slot. If the cable is a tight fit, you can remove the pulley by removing the bolt and nut and then place the cable, then the pulley and replace the bolt. Once the cable is in place be sure to tighten the bolt and nut that hold the pulley in place. Make sure the lock nut is tightened all the way to the pole.

You may want to flip the pole over because we want to run the cable inside the hub, between the hub and the pole. The cable must go thru the center and be

in between any glide buttons found on your hub. It may take a few tries till the cable comes out where needed. Once the cable is thru the hub pull on the cable and remove the slack.

We are going to continue to work on this side of the pole, only we are going to place our attention at the bottom half. First we want to remove the rope winder. Use your 7/16" wrench to loosen the bolt and nut. You wont be using the rope winder any more, it is aluminum and can be recycled or you can keep it for another project.

It is time to install the 2 inch pulley guide on to the pole. The pulley guide is assembled. Notice that one of the bolts behind the pulley is low and one is high. You want to place the pulley guide on the pole so that the lower bolt is butted against the pole. Remove the nut from the higher bolt, pull the pulley guide open and slip the entire pulley guide over the pole. Insert the bolt and nut and tighten. Make sure the pulley guide is level using a square.



The cable will then slip behind the pulley and in front of the bolt that butts up against the pole.

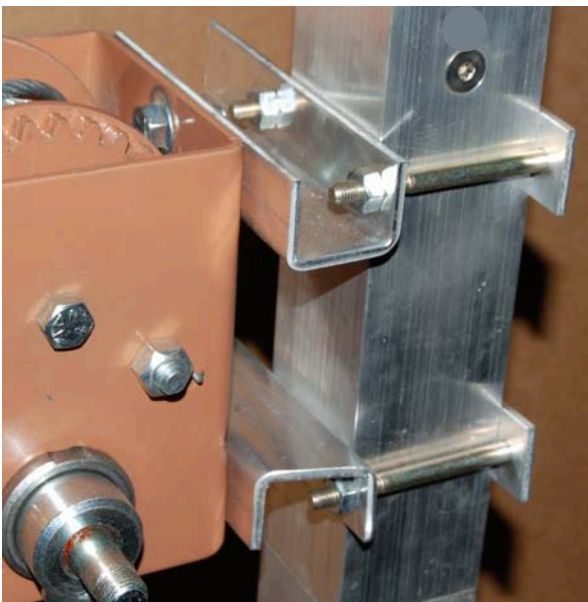
Convert A Rack

Winch brackets and winch. When assembling the winch brackets to the winch and onto the pole, you will want the winch bracket with the one single bolt to face the top of the pole, while the other winch bracket, with 2 bolts with face the ground.



It is much easier to attach the winch

brackets first to the winch then the entire assembly on to the pole. The small bolts on the brackets will align with the holes found on the D&L brake winch. If using another brand name brake winch, you may need to drill the winch to match the bracket.



Install the entire winch with brackets onto the pole, about 6–8” below the pulley guide. A second person holding the winch assembly while you install the unit will make it much easier.

Following the brake winch instructions thread the cable onto the winch. Once the cable is on remove any slack in the cable. Stand your pole up and have your helper hold the pole. You will be placing the entire unit back over your ground stake but before you do so make sure that the hub is up high enough on the pole so that as you lower the unit over the ground stake it wont bonk you on the head. Use your helper as it will take both of you to raise the entire unit.

Replace any set screws that are found at the bottom of your pole. Next place your gourds back on the rack. There is a 50 pound minimum load with the winch. You must put your gourds on before raising or lowering the hub.

When raising your hub, stop when you feel the hub hit the stop pin. Never over tighten the winch. It places to much stress on the entire unit.

