Inside the box you will find the following:

- Winch base
- Winch Handle
- Screw and nut for handle
- Screw and nut for connecting to 3/4" conduit.

Tools needed:

- 2 adjustable wrenches.
- Drill with 1/4" bit for drilling into 3/4" conduit.

The instructions that follow will be for the application of rolling up greenhouse film for sidewall ventilation. The instructions will start assuming the EMT conduit has been connected for the length of the greenhouse and secured to the plastic with plastic clamps. For further instructions on getting to this point, we have our own guide on our blog, [Bootstrap Farmer How To Build A Greenhouse].

Photo: Fully attached winch to 3/4" EMT conduit.

Step 1: Handle should be attached first. Using the picture above as a guide, tighten handle screw with nut.

Notice in the picture, the conduit for sidewall extends about a foot past the end of the greenhouse.

Step 2:

You will want to insert a guide rail into the ground that the winch will climb up as the crank is turned. Since the sidewall EMT conduit is already installed, you will know where the guide rail should be placed by lining up the winch, placing it into the EMT conduit from the sidewall, and marking the ground where the guide rail needs to be placed.

We would recommend first putting a 3 ft. 1" piece of EMT conduit mostly into the ground and sliding a 3/4" conduit into that. This gives better stability for the guide rail. You can see how this was done on our farm in the picture below.

Step 3:

Bend a piece of 3/4" conduit to the contour of the greenhouse and insert and screw into the 1" piece of conduit. This can usually be done by hand force.

Insert the winch onto the sidewall conduit and mark where the hole will need to be drilled so the conduit can be secured to the sidewall EMT. Drill, insert screw and tighten with net.

Roll up the sidewall. If you ever see the sidewall stop lifting all the way down the side of the greenhouse, you will want to check the coupling connections on your sidewall EMT conduit. If the coupling slips, the metal will no longer hold the plastic as uniform and secure as it should.

If you have any further questions please contact us at contact@bootstrapfarmer.com or visit our blog and resource page at www.bootstrapfarmer.com.