

Hardtop Holder

You will need:

- 2 2x4"x10'
- 1 2x6"x10'
- 1 1x2"x6'
 - 2 2x6 cut to 29"
 - 2 2x4 cut to 60"
 - 1 1x2 cut to 60"
 - 4 2x4 cut to 15"
- 4 3" Caster Wheels (Spin 360)- I got two locking on front and two regular on back.
- 25 2.5" screws
- Staple gun
- Carpeting of your choice...

Cost is **\$57.17** Before Tax and excluding Carpet

The hard top will set behind the front 2x4 but you can set it on top. I will carpeting the areas where the hardtop makes contact with the cart.

Place the 2x6 29" pieces vertically under the 2x4 60" horizontal boards and clamp each corner going one corner at a time. Drill pilot holes and put 2 screws in diagonally on the inside corner and outside corner of each corner section.

Once the frame is built, put the 1x2 6" back from the front 2x4 board. (You might want to use 2" screws as 2 1/2" screws show a little on the bottom.) That way there is space for the wiper. This board will hold the wiper off the ground if you do not secure the window to the hard top.

Then place the 1st layer of 15" 2x4s, 8" inches from the outer edges of the frame (8" from left and 8" from the right). Drill pilot holes and screw in two screws into the two boards. Then place the second layer of 15" boards directly on top of the first layer. Drill pilot holes and screw in two screws into the final two boards.

Then flip it over and place the caster wheels on the horizontal 2x4s for support. Mark your drill points with a sharpie (I did the two diagonal holes), move the caster wheels, and drill pilot holes. Place the wheels back on and drill in two screws in the holes diagonal from each other.

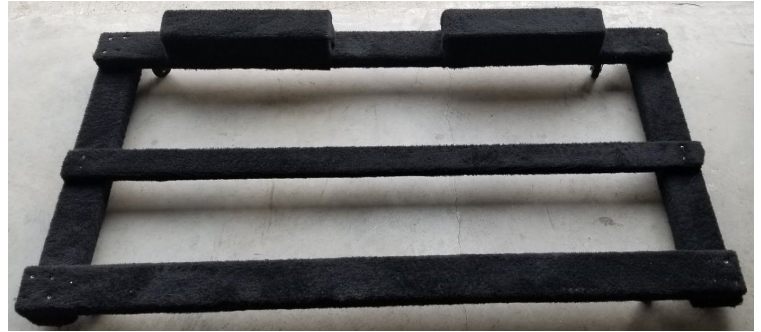
Based off of and updated @Texas_Yote's build:

<https://www.jlwranglerforums.com/forum/threads/hardtop-cart.6581/#post-150265>

My builds so far:

I need to swap out the front 2x6 for a 2x4 on the hard top cart. (There was confusion in the initial build instructions.)

I also still need to add pvc cement, insulation foam, and the furniture dolly to the door holder cart.



Door Holder

- 3 - 10' X1" 450 PSI PVC pipe (200 is cheaper but less sturdy)
- 5 - 1" pipe insulators
- 14 - 1" PVC elbows
- 10 - 1" PVC TEEs
- Furniture Dolly
- 8oz PVC Cement
- Electrical Tape Roll 3M
- 1 ½ PVC Cutter (Helps with any and all PVC Projects)

Step 1: Cut the PVC Sections

- Cut the pipe into 10 - 19" Sections
- 8 - 2.5" Sections
- 4 - 6" Sections
- 7 - 1' Sections

Cost is **\$95.86** before Tax (\$20 less without PVC Cutter)

Step 2: Put Together the Verticals

Connect two 19" sections and one 1' section with elbows.

Do this 5 times.

Step 3: Start the Base

Create two base sections each with a TEE, 6" section, TEE, 6" section, TEE.

Before you press them together too hard make sure that all of the TEE sections are pointing down and flat on the ground. This will help to ensure they all point straight up.

Then connect three of the vertical sections into these.

Step 4: Cross Members and Ends

Create two sections each with a 2.5" section, TEE, 2.5" section, elbow.

Then connect the two sections at the TEE with a 1' section.

Connect this to the one end of the main base and add a vertical upwards from the elbows.

Step 5: Foam It Up!!

Cut the foam pipe insulators to fit every section of 1" pipe you can.

The insulators are split down the middle and are self adhesive so you can cut them, wrap them around and secure them in place very easily. Wrap the insulators with electrical tape to help seal and preserve the foam.



You then can go back and add the PVC cement to help stiffen and seal the frame. Final step is to mount the holder to the dolly with zip ties so you can roll it around. You can also add a couple of velcro straps to keep the doors together while rolling around the driveway.

Based off of and updated @kevgrn114's build:

<http://www.instructables.com/id/4-door-Jeep-Wrangler-Door-Rack/>

