

Hurley Jr parts list and assembly

November 2020

Tap bolt, Zinc plated grade 5 steel, 1/2"-13 x 6", \$3

<http://www.mcmaster.com> Item #92865A736

A stronger alternative is this part number: #92620A731

Hex nuts, Zinc plated grade 8 steel, 1/2"-13

<http://www.mcmaster.com> Item #94895A823 Note the package size if 50 units

SAE flat washers, Zinc plated grade 5 steel, 1/2", \$0.24

<http://www.mcmaster.com> Item #90126A033 Note package size is 55 units

Banded Ball Thrust Bearing, Bore 1/2 In, \$17.34

<http://www.mcmaster.com> Item #60715K11

Hurley Jr Shoulder Washer

Download from [www.geir.com](http://www.geir.com) and have it 3D printed in Nylon or Nylon with carbon fiber reinforcement. Price should be around \$10.

6061-T6 Aluminum Bare Drawn Tube (1.375" OD x 0.25")

<https://www.onlinemetals.com/en/buy/aluminum/1-375-od-x-0-25-wall-x-0-875-id-aluminum-round-tube-6061-t6-extruded/pid/15228>

\*\*\*Select "Create a Custom Size" and choose 5 inches\*\*\*

1/2-13 x 3/8-16 Reducing coupling nut, Stainless, \$8

[www.mcmaster.com](http://www.mcmaster.com) Part #91072A239

Access Fund and/or Geir Hundal may have a more durable alternative. Contact them to inquire.

Assemble as per the photo below. A 3mm cord and some duct tape makes the unit easy to clip to the harness. I suggest the duct tape wraps up to the shoulder washer to help keep it in place. (The washer keeps the unit from falling apart).

To make for a stronger attachment, epoxy the washer into the tube. You can drill through the aluminum tube and washer to fit each end of the cord into the unit. Epoxy the cord in place, then wrap with duct tape around as shown below.

\*Check to ensure the device cannot be pulled apart so that it does not fall from your harness!



Users should lubricate the tap bolt and thrust bearing with grease - I suggest white lithium grease. Users should thoroughly clean the tap bolt after each day out and regrease. This will maximize the working life of the tap bolt. The tap bolt and coupler will require periodic replacement.