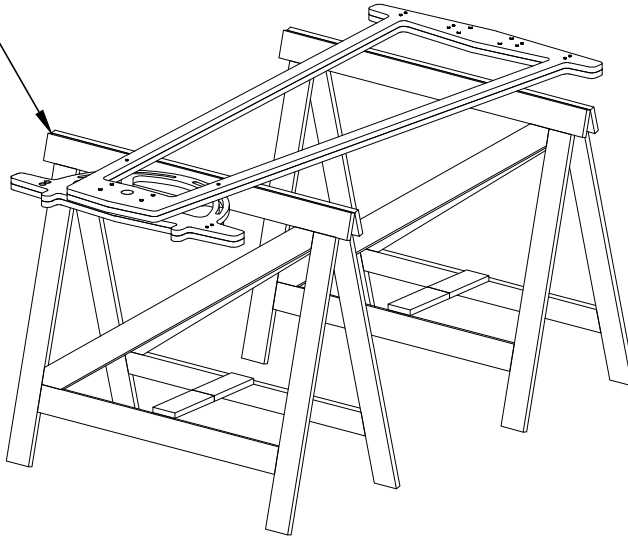


OKLAHOMA! Surrey
Assembly Instructions
Kansas State University
Ben Stark, Technical Director

Step 1 - Support Base Frame

Hardware Needed: 2 sawhorses

Place sawhorse far enough away from the Steering Yoke to rotate for Step 2.



Place the base frame on sawhorses. This will provide access to attachments under the frame and prevent the unit from rolling.

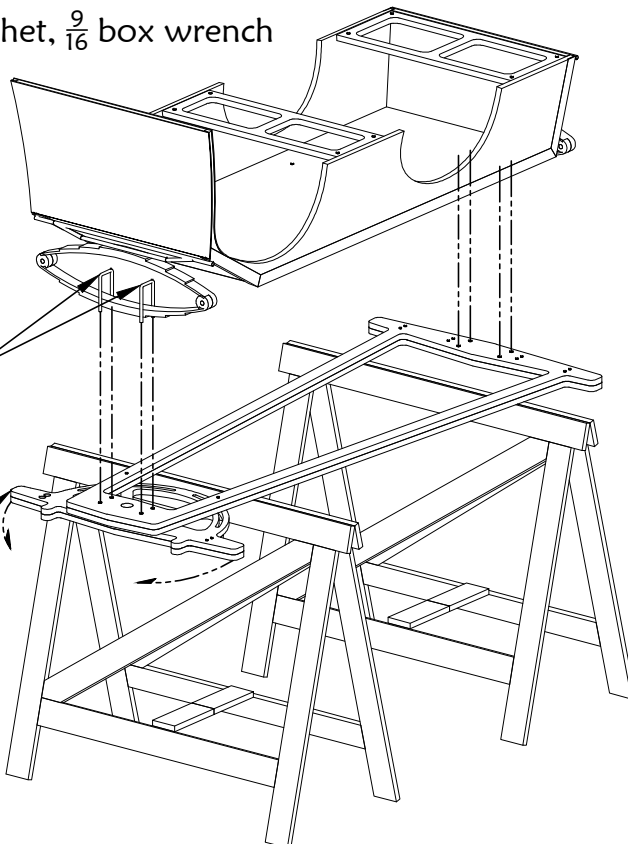
Step 2- Attach Main Box to Frame

Hardware Needed: 4 - $\frac{3}{8}$ " \varnothing square u-bolts, washers, nuts

Tools: $\frac{9}{16}$ deep well socket and ratchet, $\frac{9}{16}$ box wrench

Pair of shorter leg u-bolts go in front

Rotate Steering Yoke to make u-bolt connections



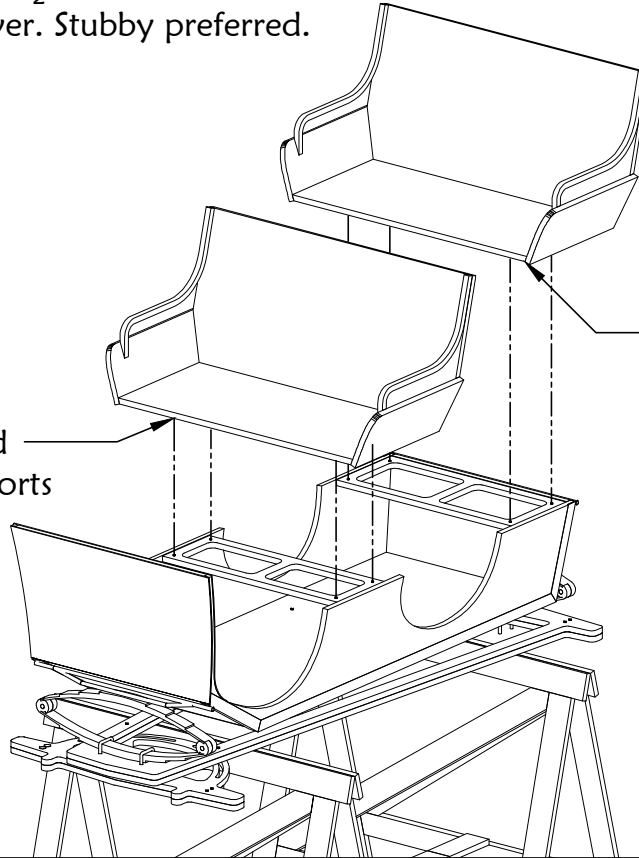
Step 3 - Attach Seats

Hardware Needed: 8-32 x 1 $\frac{1}{2}$ " machine screws x 8

Tools: #2 Phillips screwdriver. Stubby preferred.

Machine screws are inserted from UNDER the seat supports and thread into t-nuts in seat assemblies.

Seats are labeled on underside "Front" and "Back". Correct placement is important for roof supports



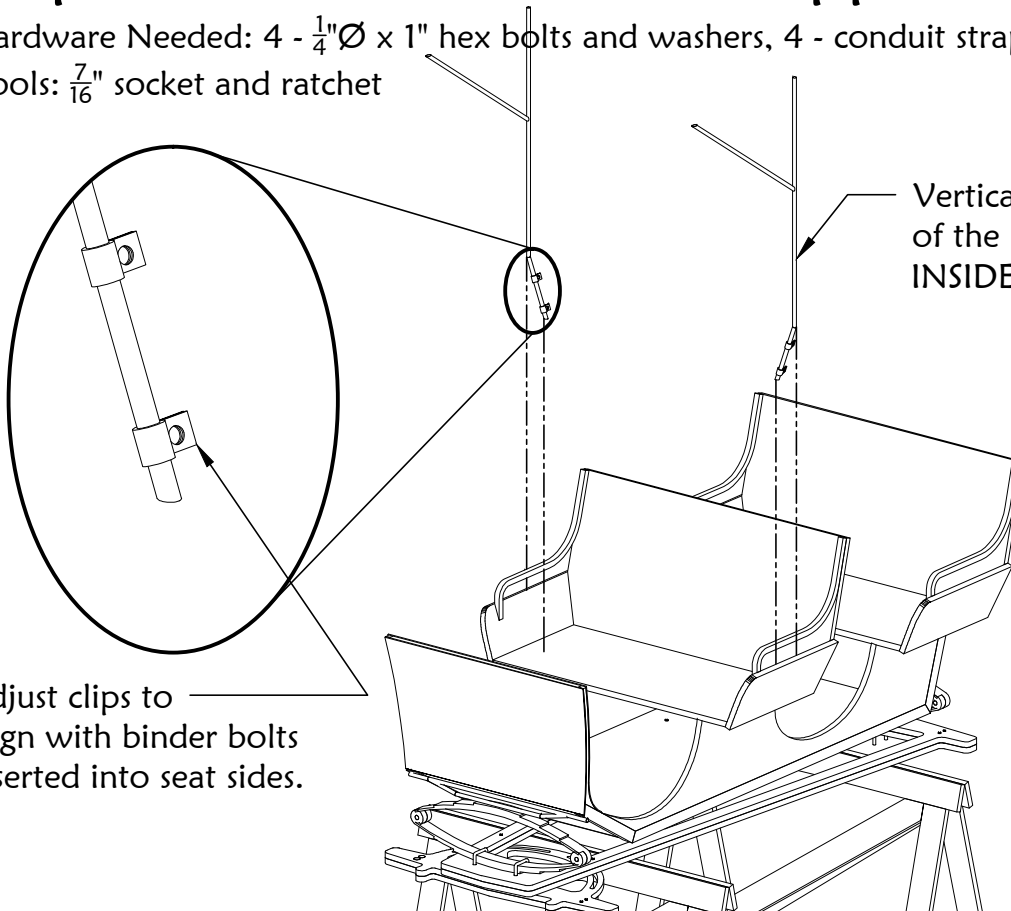
Step 4- Attach Front Roof Supports

Hardware Needed: 4 - $\frac{1}{4}$ " \varnothing x 1" hex bolts and washers, 4 - conduit straps for $\frac{1}{2}$ " rod

Tools: $\frac{7}{16}$ " socket and ratchet

Vertical goes on the OUTSIDE of the railing, but on the INSIDE of the seat side

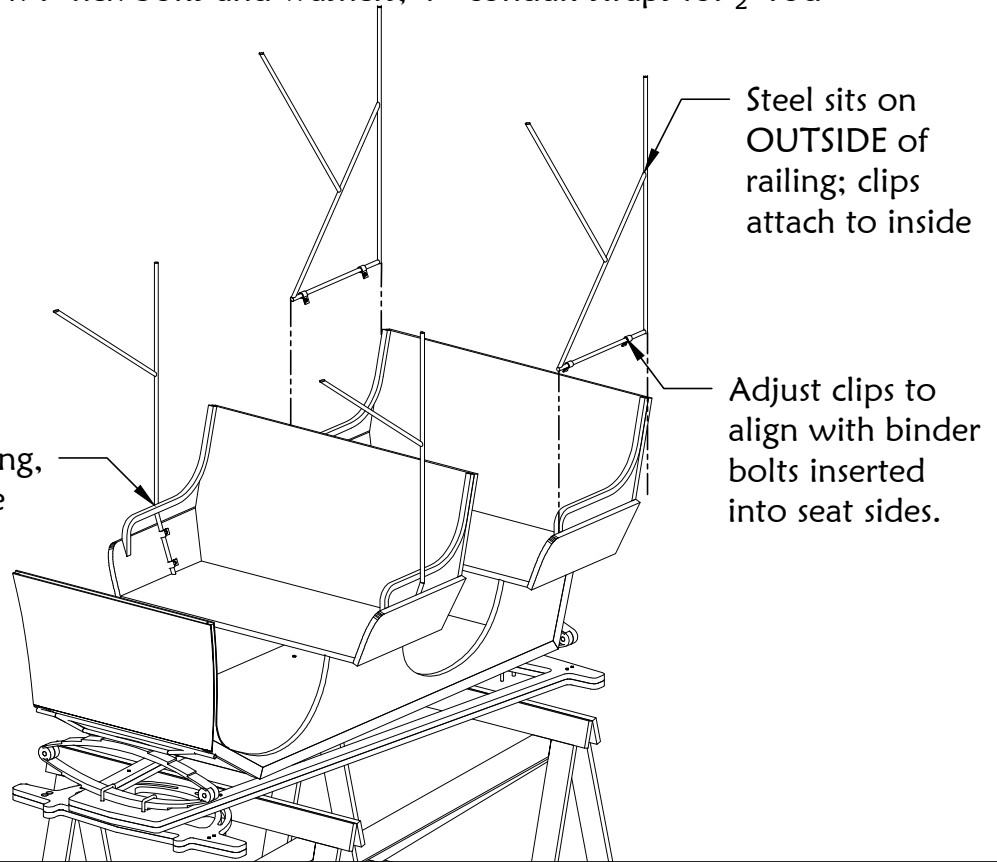
Adjust clips to align with binder bolts inserted into seat sides.



Step 5- Attach Rear Roof Supports

Hardware Needed: 4 - $\frac{1}{4}$ " \varnothing x 1" hex bolts and washers, 4 - conduit straps for $\frac{1}{2}$ " rod

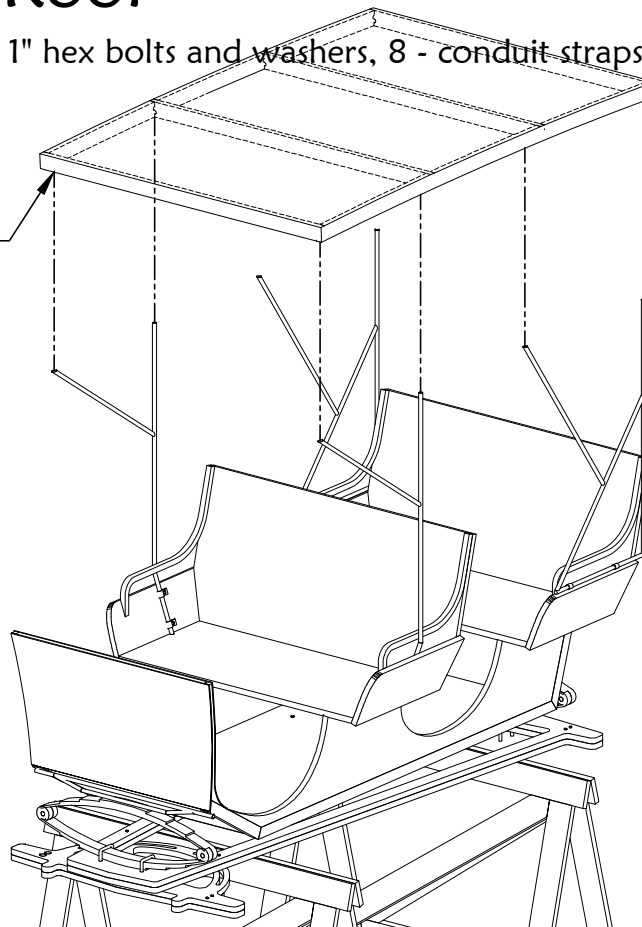
Note: outside of railing,
but inside of seat side



Step 6- Attach Roof

Hardware Needed: 8 - $\frac{1}{4}$ " \varnothing x 1" hex bolts and washers, 8 - conduit straps for $\frac{1}{2}$ " rod

Adjust clips to
align with threaded
inserts in upholstered top

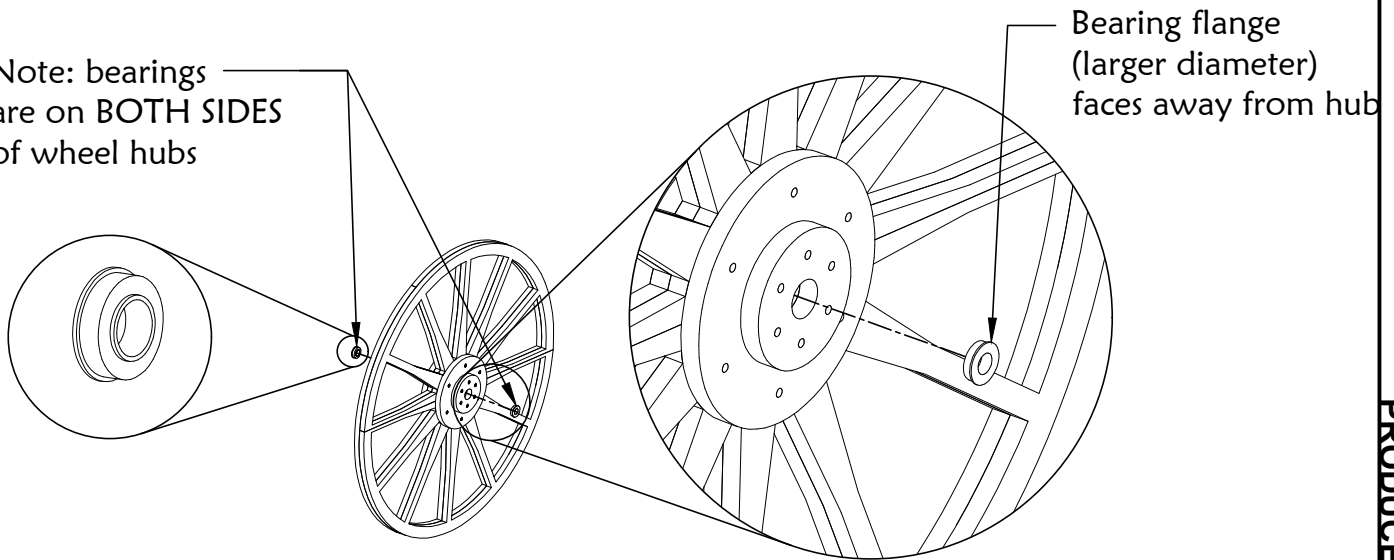


Step 7- Assemble Wheels

Hardware Needed: 8 - flanged roller bearings,

Tools: Mallet to insert roller bearings

Note: bearings are on BOTH SIDES of wheel hubs



Note: there are two sizes of wheels. The smaller goes in the front. The larger in the back.

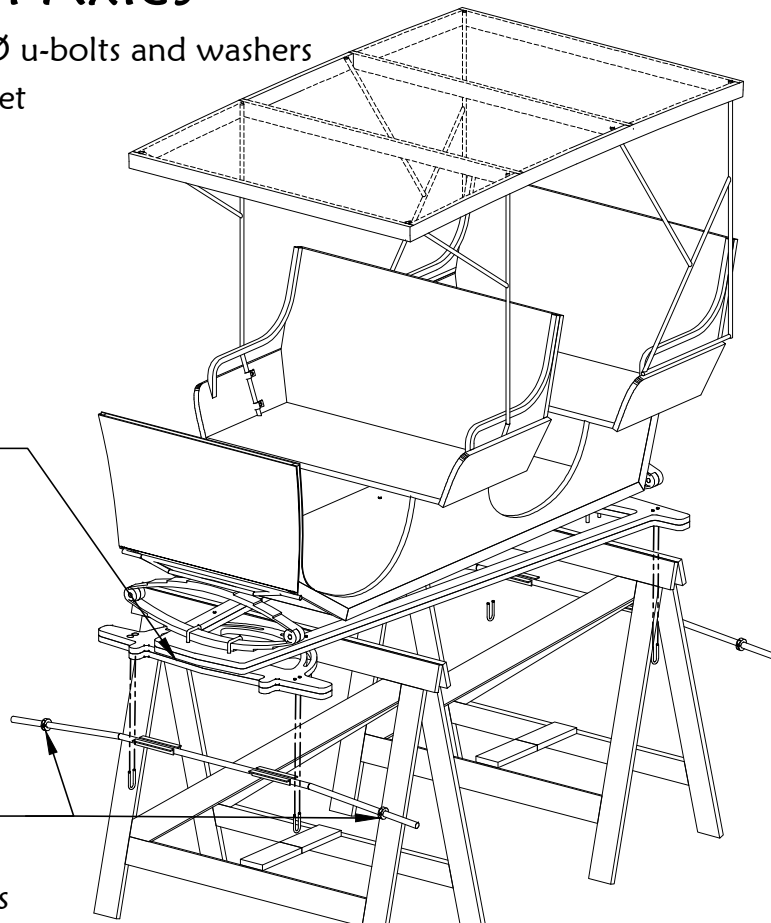
Step 8- Attach Axles

Hardware Needed: 4 - $\frac{1}{4}$ " \varnothing u-bolts and washers

Tools: $\frac{7}{16}$ " socket and ratchet

There are holes for a second set of u-bolts, but they are difficult to access and unnecessary.

INTERIOR shaft collars should stay attached and travel with the axles



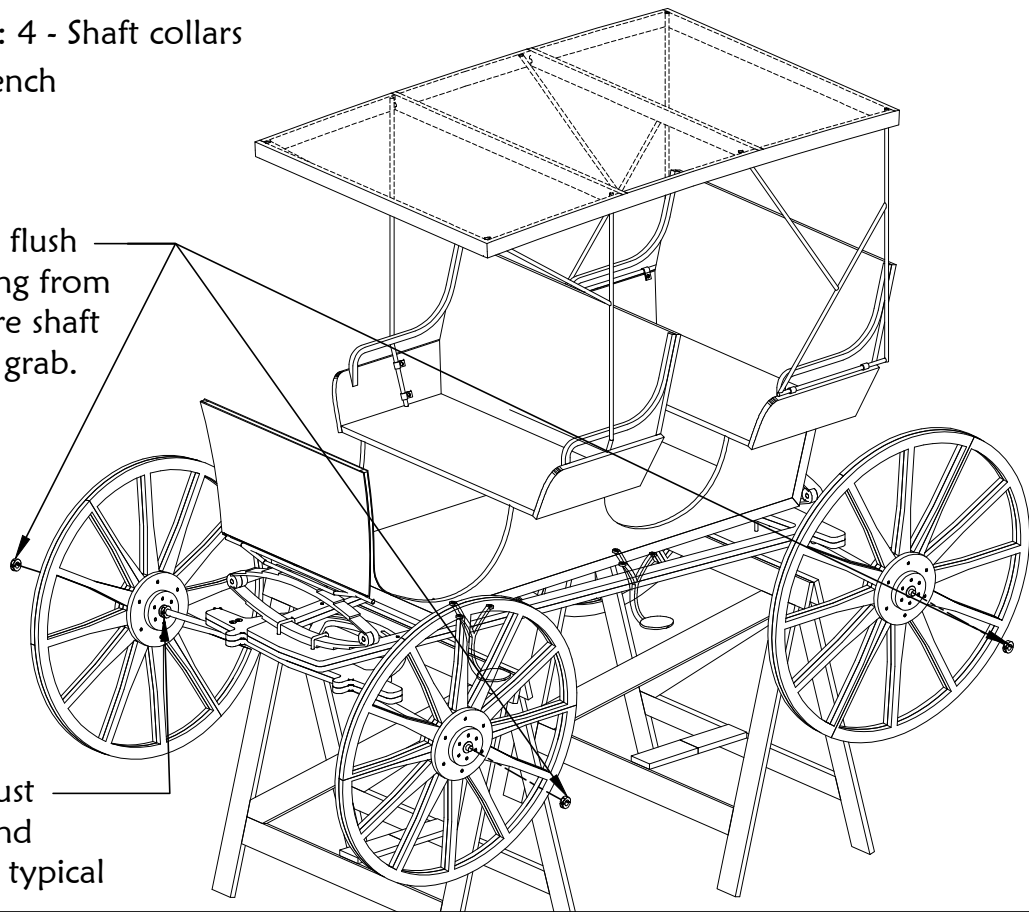
Step 9- Attach Wheels

Hardware Needed: 4 - Shaft collars

Tools: $\frac{3}{16}$ " allen wrench

Axle end should be flush or slightly protruding from shaft collar to ensure shaft collar has sufficient grab.

Wheel bearings must be tight to inner and outer shaft collars, typical



Step 10- Remove Sawhorses, Attach Steps

Hardware Needed: 8 - $\frac{1}{4}$ " \varnothing x 1" hex bolts and 4 - $\frac{1}{4}$ " \varnothing x 1 $\frac{1}{2}$ " socket head cap screws

Tools: $\frac{7}{16}$ " socket and ratchet, $\frac{5}{32}$ " allen key

Note: Steps are location specific. Match labels on underside of frame and of steps.

Yoke attaches with long, loose bolts to lead/steer if desired.

Inner struts get socket head cap screw thru plywood bottom.

Outer flanges get hex bolts into hidden weld nuts (part of frame)

