

1984 Morgan 41 Rudder Shipping Container

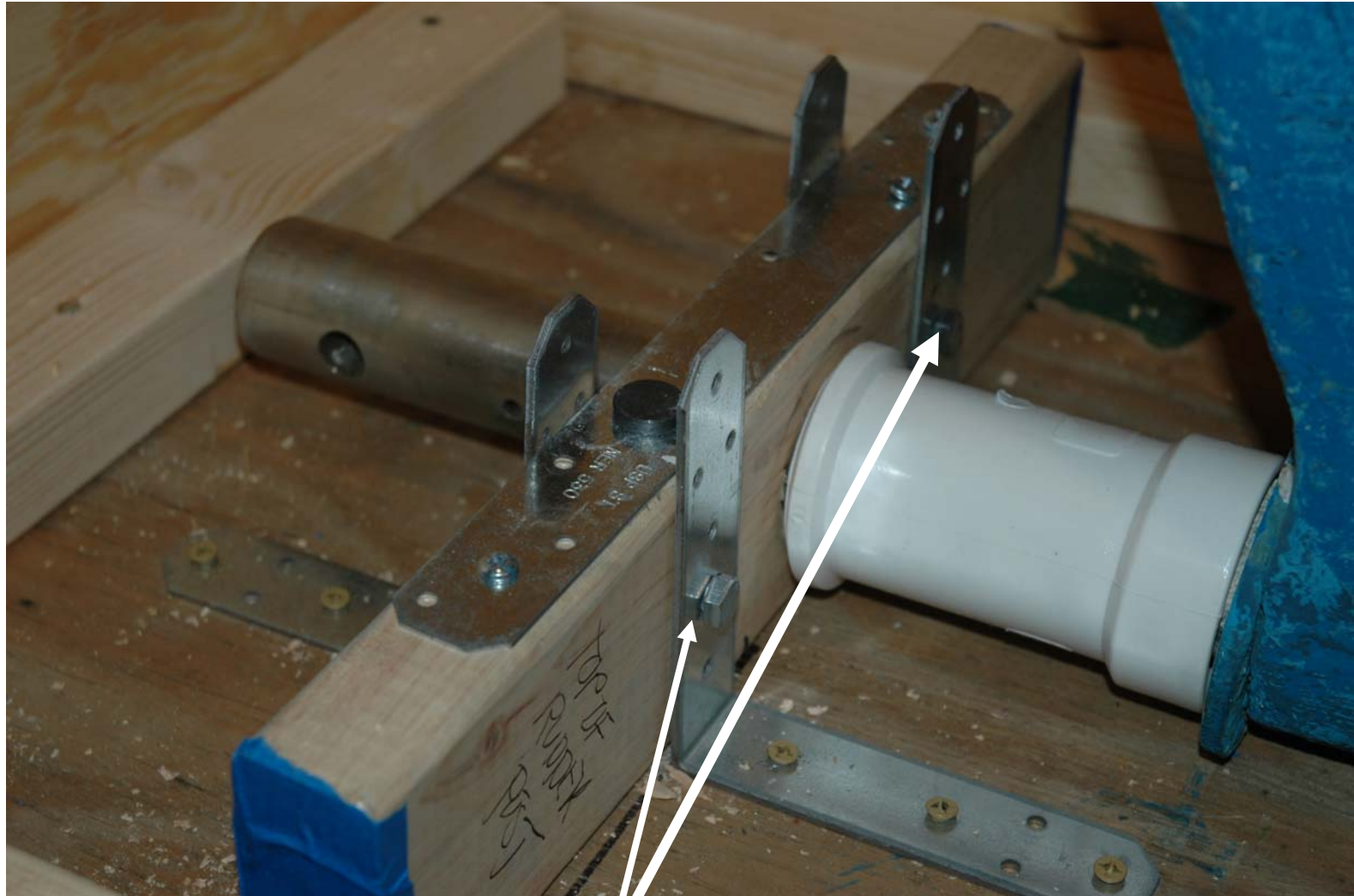
1. Needed to prepare rudder assembly for shipment to OEM for repairs.
2. Center of gravity, overall volume and weight of rudder made it difficult to package.
3. Needed to create a reusable shipping container that would allow safe shipping to and from OEM.
4. Wanted to get rudder back fully repaired, new gelcoat, and ready for paint and not damaged during shipping.
5. Built a container
 - a. With the CG of rudder low to ground with shaft secured to a pallet.
 - b. Rudder is turned up vertically
 - c. Container width designed to prevent tip-over.
 - d. Total weight of container WITH rudder is approx 270 lbs.
 - e. Container dimensions approx 40"highx 66"longx25"wide



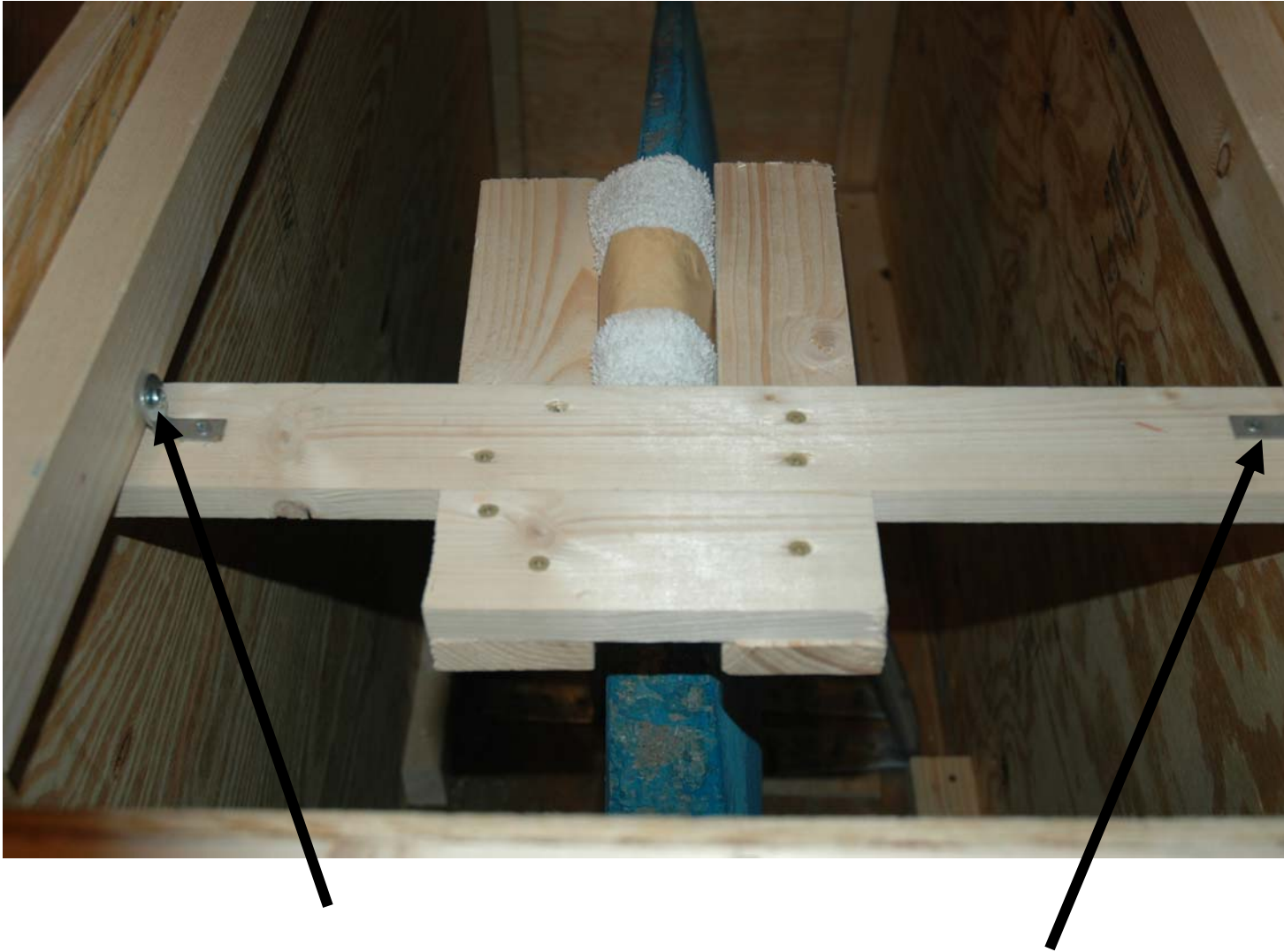




Bracket assemblies support shaft at top and bottom of rudder shaft. Sides supported by brackets and there is a top bracket too.



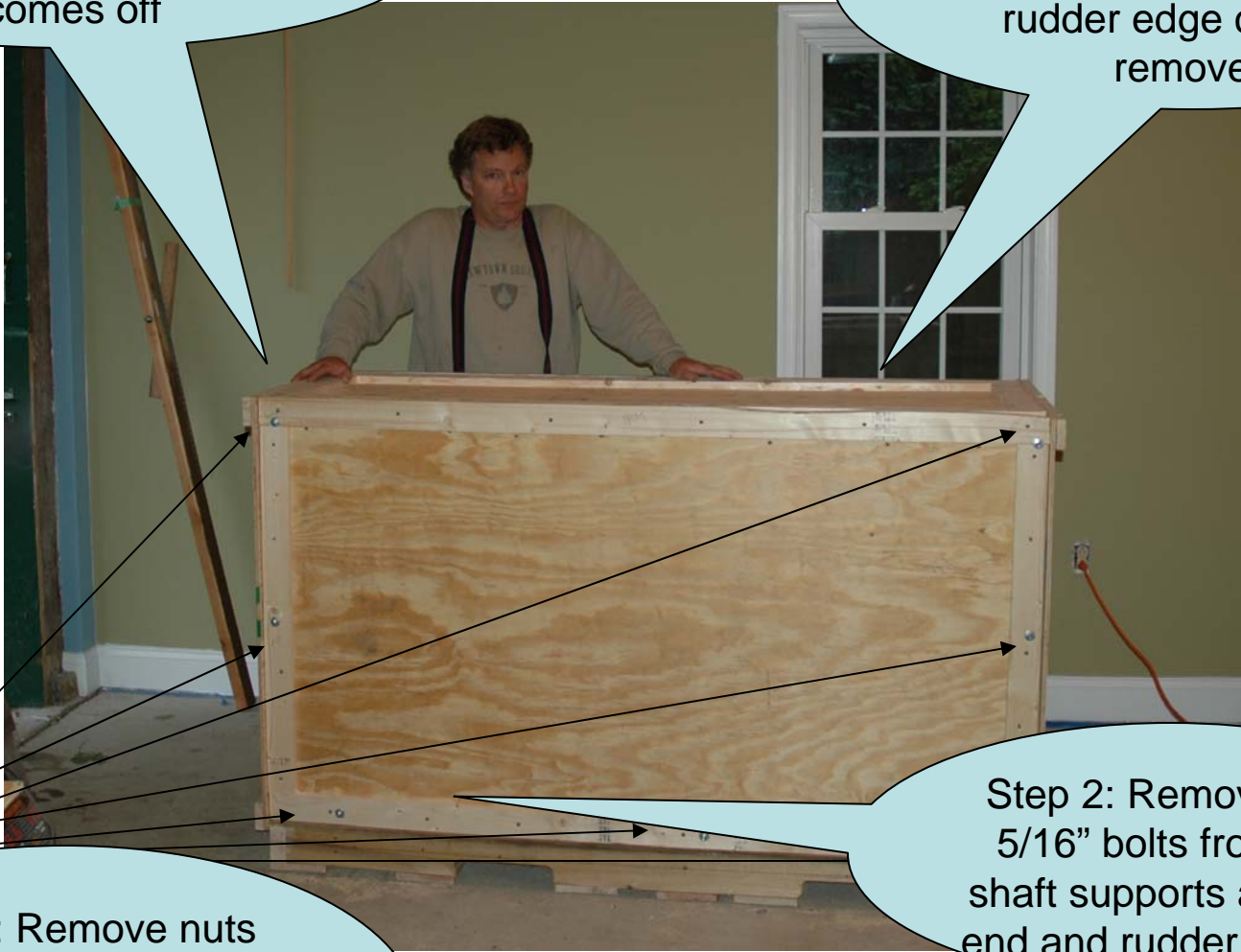
Remove two 5/16 bolts from each side and rudder lifts out of bracket assembly.



Bracket for top edge of rudder. Remove screws with washers
To remove edge support bracket

Step 1: Remove screws
with WASHERS and top
comes off

Step 2: Remove screws
with WASHERS and the
rudder edge clamp is
removed



Step 2: Remove nuts
from 5/15 bolts using ½ in
wrench and front panel
comes off

Step 2: Remove two
5/16" bolts from (2)
shaft supports at each
end and rudder lifts out

DISASSEMBLY INSTRUCTIONS

- Return to:
 - Michael Barnes
 - 3742 School Lane
 - Newtown Square, PA 19073

 - 610-356-7382 (home)
 - 610-591-6615 (work)
 - 610-547-0225 (cell)