

Shaft and Stuffing Box

If supplied length is sufficient to install continue here. If not, skip to the **Cut Down** instructions:

1. Cut the necessary hole in the hull, most of the time this will be an oval shape
2. Align the stuffing box on center with your rudders, if using multiple rudders center between them, also make sure the oil fill tube is straight up
3. Secure the propeller side bushing – using Green Loctite put a small bead around the entire bushing and slide into the stuffing box, allow to completely dry
4. Epoxy/resin/fiberglass the stuffing box into place, allow enough time to dry and harden in place
5. When ready to install the propeller: (usually after a shaft support or strut is installed)
 - slide the thrust washer over the threads
 - thread the jam nut onto the shaft to the end of the threads
 - tighten the prop on using a rag to hold the blades and pliers to hold the shaft near the motor as not to damage the shaft near the propeller side bushing
 - back the jam nut onto the hub of the prop as tightly as possible
 - slide the thrust washer up to the jam nut and push the entire prop/jam nut/thrust washer setup against the bushing – now when the propeller provides thrust the pressure will be transferred to the stuffing box and thus the hull
6. Slide the second thrust washer over the motor side shaft and push up against the motor side bushing, push the wheel collar over the motor side shaft and up against the thrust washer, tighten the set screw – this will hold the shaft in place while the boat is in reverse
7. Fill the oil tube with any automotive motor oil you may have lying around doing your best to not overfill

Cut Down instructions:

1. Remove propeller side bushing and shaft from stuffing box ***note the motor side bushing is pressed in and should not be removed***
2. With a grinding wheel or tube cutter gently cut the shaft on the motor side (non-threaded side) to desired length
3. With a grinding wheel or tube cutter gently cut the stuffing box about 2" less than the length of the shaft, do not bend or collapse the stuffing box or the bushing will not fit correctly
4. Clean off any shavings or metal chunks from the stuffing box and grind flat
5. Continue with installation instructions above

