

# MACGREGOR 26M CUSTOM STEERING INSTALLATION INSTRUCTIONS

Please read these instructions carefully and be sure that you understand them completely before you begin the installation. You are drilling holes in your boat. Be Careful!

## You will need the following tools and supplies to complete the installation.

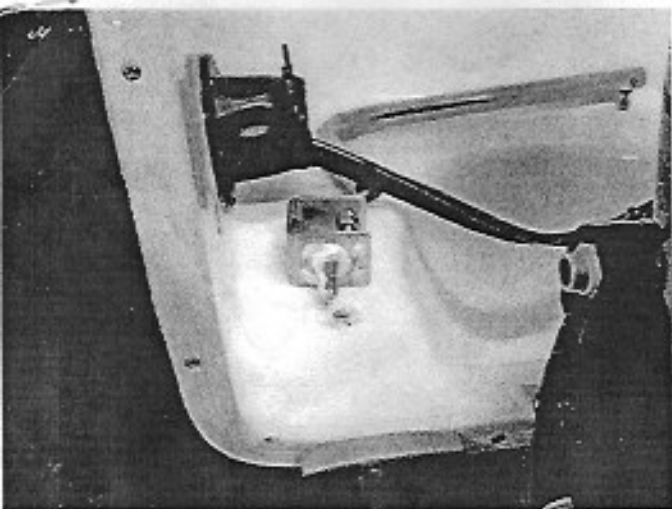
Drill Motor  
3/8" Drill Bit  
1/2" & 9/16" (2) Wrenches (1 deep socket)  
3M 5200 Sealant or Equivalent  
A Helper to hold a bolt on deck while you tighten a nut inside the boat.  
Philips screwdriver

## The following parts are included in the kit.

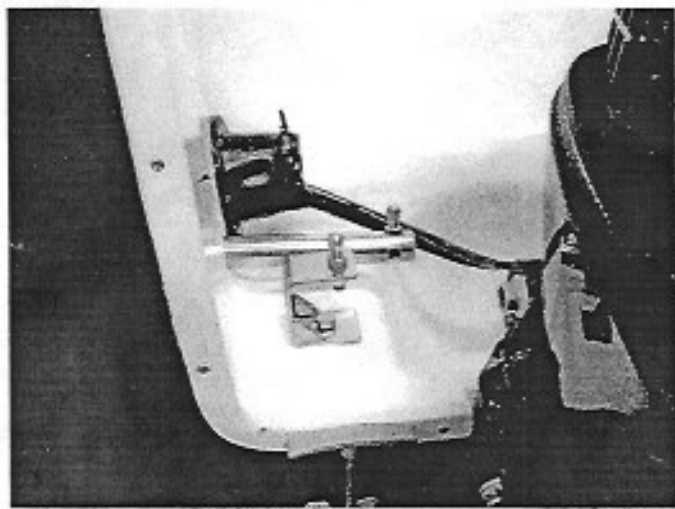
1- Steering rod w/ quick releases  
1- Bracket w/ swivel ball  
1- Swivel ball for engine w/ lockwasher  
1- Steering arm w/ swivel ball  
1- 3/8-16 X 1 1/2" Bolt  
1- 3/8" Fender washer  
1- 3/8"-16 Nylock nut  
1- Adapter for engine (some applications)

The Blue Water Yachts Custom Steering system is designed to provide a quick and easy means of locking the engine straight while sailing. You should always lock the engine straight before tilting it up out of the water, not doing so can cause a bind between the steering system and some engines, this can damage the steering system or your engine, and is not covered by any warranty. WHETHER YOU ARE USING THE FACTORY STEERING OR OUR CUSTOM STEERING SYSTEM, IT IS DANGEROUS TO SAIL WITH THE ENGINE HOOKED TO THE STEERING, THE WEIGHT OF THE ENGINE CAN PULL THE STEERING WHEEL FROM YOUR HANDS, RESULTING IN LOSS OF CONTROL WHILE SAILING.

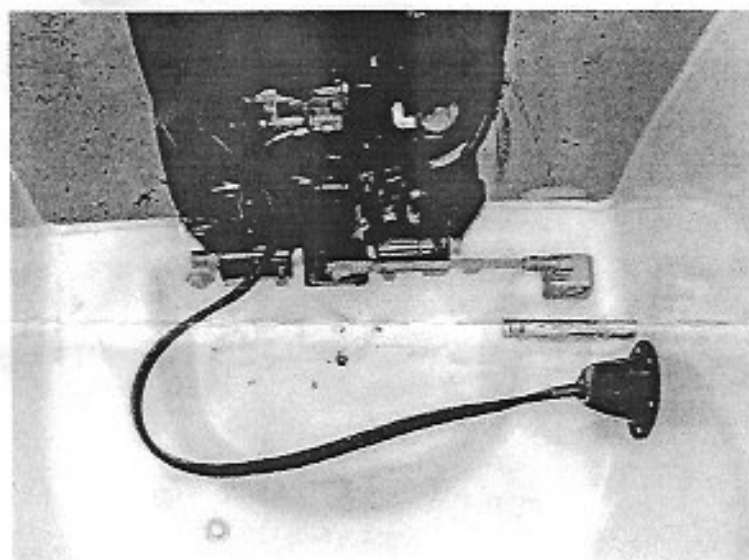
- 1) Remove the 1/4" bolt located near the Port edge of the engine well. You will need a helper to hold the screw head inside the boat, it is located up in a hole (about 1" diameter) cut out of the deck liner near where the engine steering arm goes through the side wall of the engine well. Remove the washer that is stuck to the top of the deck.
- 2) Enlarge the hole you just removed the bolt from using the 3/8" drill bit.
- 3) Remove the stock engine steering arm. The engine steering arm is bolted to the Port rudder bracket inside the boat with a 3/8" bolt, you will need two 9/16" wrenches to remove it.
- 4) Install the new engine steering arm (with the swivel ball welded to it) in the same way the stock one was installed. Tighten the bolt until it is just snug, not sloppy, but not tight enough to make it bind up.
- 5) Install the bracket with swivel ball in the 3/8" hole you drilled in step 2, use of sealant on the bottom of the bracket. The open end of the bracket should be facing the engine well. The washer for this bolt will be too big to fit up through the cutout in the deck liner, but you can pass it up over the back edge of the liner to get it on the bolt (you may need to push the bolt partway up to get the washer on it). Tighten the 3/8" Nylock nut securely using a 9/16" deep socket.
- 6) Clean up any excess sealant.
- 7) Install the swivel ball into the threaded hole on the front of the engine, be sure to use the lock washer and tighten it securely. Some engines require an adapter bracket to install the swivel ball into, this includes all Nissan and Tohatsu engines. If your engine requires the adapter, you will need to bolt it to the engine with M8 X 15MM bolts.
- 8) Install the steering rod to the engine and bracket to lock the engine straight.



Bracket with ball ready to be installed in 3/8" hole, note sealant on bracket.



Bracket and steering arm installed



Complete system with steering rod in place. In this photo the engine is in the locked straight position. To enable engine steering, move the end of the steering rod from the bracket to the steering arm. The engine end of the rod does not need to be moved in normal use.