

**HERE IS THE LIST OF PARTS AND TOOLS YOU WILL NEED TO COMPLETE THIS PROJECT.**

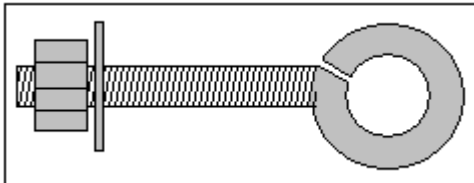
(I BOUGHT ALL THE PARTS I NEEDED AT HOME DEPOT FOR UNDER \$70.00)

**TOOLS NEEDED:**

- 1) POWER DRILL THAT WILL HOLD A HALF-INCH BIT
- 2) ½ INCH METAL/WOOD DRILL BIT.
- 3) VARIOUS WRENCHES AND PLYERS TO TIGHTEN DOWN THE EYELETS AND BASE - PLATE.
- 4) HACKSAW- TO CUT EXCESS BOLT THREAD OFF.
- 5) METAL FILE.

**PARTS:**

- 1) YOU WILL NEED (3) THREE ½ IN X 3 IN THREADED EYELETS



- 2) (4) FOUR 1/2 IN X 2 IN CARRIGE BOLTS TO MOUNT THE BASE TO THE POLE
- 3) THREADED GALVANIZED PIPE. YOU CAN USE ANY DIAMETER LIKE 1.5 – 2 IN, BUT IT MUST BE THREADED ON ONE END. SHOULD BE 7-10 FEET LONG.
- 4) (1) ONE THREADED PLATE MOUNT LIKE IN PICTURE THAT THREADS ON TO YOUR PIPE.

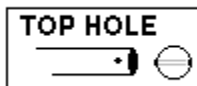


- 5) (2) TWO HEAVY-DUTY RATCHETING TIE DOWNS (SHOULD BE AT LEAST 1200LB. RATING)
- 6) A LENGTH OF 1+ INCH WIDE NYLON WEBBING WITH HEAVY, HEAVY LOAD RATING. LONG ENOUGH TO GO FROM TOP OF POLE AROUND FRONT OF BOAT AND BACK TO TOP OF POLE (APPROXIMATLY 25-30 FEET). OR CAN BE SUBSTITUTED WITH TWO MORE TIE-DOWNS LONG ENOUGH TO REACH THE EYELET ON FRONT BOTTOM OF BOAT.
- 7) SCRAP OF ¾ IN PLYWOOD AT LEAST 18 IN X 24 IN.
- 8) SCRAP OF INDOOR/OUTDOOR CARPET TO COVER PLYWOOD, (IF YOU WANT TO BE CREATIVE GO TO YOUR LOCAL RV PARTS SUPPLY STORE AND GET CARPET THAT MATCHES YOUR BOAT)

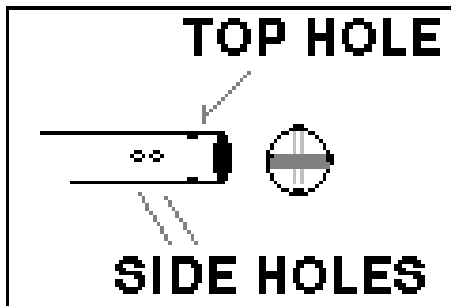
- 9) (1) ONE CAN OF PRIMER AND A CAN OF SPRAY PAINT TO MATCH YOUR BOAT.

## INSTRUCTIONS

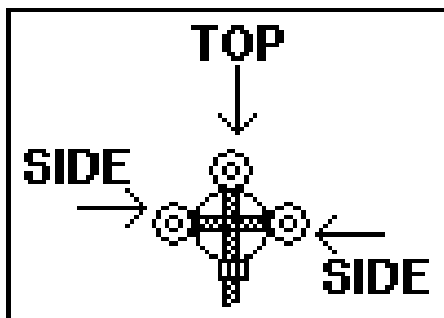
- 1) MEASURE HOW LONG YOU WANT YOUR POLE. KEEP IN MIND THAT COMPETITION STANDARD IS APPROXIMATELY 7 FEET TALL FROM YOUR WATER LINE. I DON'T WAKE BOARD IN COMPETITION SO I JUST MADE MY POLE A FULL 10 FEET TALL. EXTRA HEIGHT MEANS BIGGER AIR. (MINE IS ACTUALLY ABOUT 11 FEET OFF THE WATER. FOR SOME OF YOU IT MAY BE IMPORTANT TO STAY WITHIN A.W.A. REGULATIONS.)
- 2) CUT POLE OFF AT LENGTH YOU WANT TO USE (DO NOT CUT OFF THE THREADS THAT YOU WILL USE FOR YOUR BOTTOM MOUNT)
- 3) DRILL YOUR TOP HOLE APPROXIMATELY 1 IN FROM THE TOP OF THE POLE.



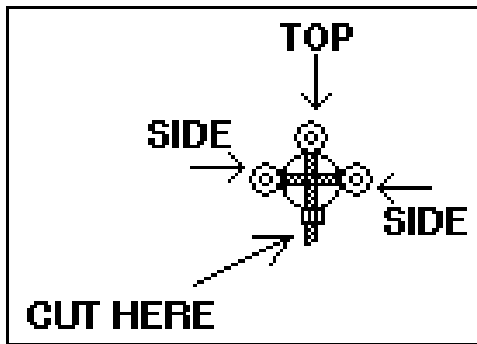
- 4) DRILL TWO HOLES CROSS WAYS ABOUT 1 IN LOWER THAN THE TOP HOLE.



- 5) THREAD THE THREE EYELETS THRU THE HOLES YOU'VE DRILLED AND TIGHTEN THEM DOWN.



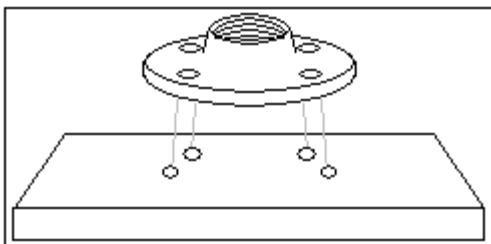
6) CUT OFF EXCESS THREADING FROM EYELETS AND FILE HACKSAW CUTS SMOOTH.



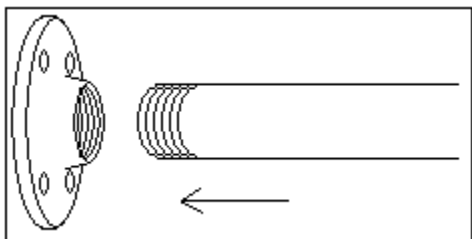
7) CUT BASE PLYWOOD TO 18 IN X 24 IN.

8) MARK CENTER OF BASE PLYWOOD BY PLACING THE THREADED BASE MOUNT ON IT AND MARKING 4 HOLES TO BE BOLTED THRU.

9) PRE-DRILL BASE BOARD AND METAL BASE MOUNT SO THAT YOU CAN FIT THE 1/2 IN BOLTS THRU THEM. (DO NOT MOUNT YET)

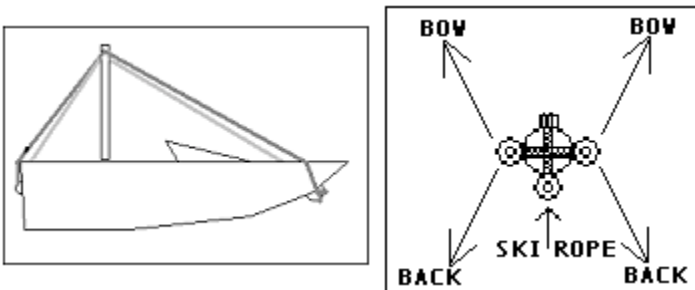


10) THREAD METAL BASE MOUNT ON THE POLE AS TIGHT AS YOU CAN.



11) CLEAN THE ENTIRE POLE THOROUGHLY AND PREP FOR PAINTING. IT IS EASIEST TO PAINT IF YOU HANG IT HORIZONTALLY FROM SOMETHING.

- 12) PRIMER AND LET DRY COMPLETELY. (VERY IMPORTANT IT DRIES COMPLETELY. A LOT OF PEOPLE WILL BE GRABBING THE POLE ALL THE TIME AND YOU DON'T WANT THE PAINT TO BE STICKY OR COME OFF EASILY.)
- 13) PAINT AND LET DRY COMPLETELY.
- 14) COVER BOARD WITH INDOOR/OUTDOOR CARPET SO THE TOP IS COMPLETELY COVERED TO PREVENT SLIVERS IN BARE FEET
- 15) MOUNT METAL BASE TO BOARD THRU HOLES USING CARRIAGE BOLTS. MAKE SURE YOU MOUNT THE BOLTS UP SO THEY DO NOT DIG INTO THE FLOOR OF YOUR BOAT.
- 16) CUT OFF EXCESS THREADS FROM BASE MOUNT BOLTS AND FILE SMOOTH (BARE FEET WILL MOST DEFINITELY COME INTO CONTACT WITH THEM SOONER OR LATER.)
- 17) PLACE POLE IN BOAT AND TIE FRONT WEBBING FROM POLE EYELET TO FRONT EYELET ON BOAT, THEN TIE OTHER WEBBING THE SAME WAY. (ANOTHER OPTION INSTEAD OF TYING AND UNTYING THE FRONT STRAPS EVERY TIME YOU PUT THE POLE UP AND DOWN IS TO BUY SOME CLIMBING BEENERS. YOU CAN JUST CLIP AND UNCLIP WHENEVER YOU PUT THE POLE UP AND DOWN. THEY ARE ALSO HANDY FOR CLIPPING IN YOUR SKI ROPE.)



- 18) LASTLY, RATCHET TIE-DOWNS FROM POLE EYELET TO BACK EYELETS ON THE BACK OF THE BOAT. REMEMBER TO CHECK ALL YOUR KNOTS AS YOU CRANK THESE DOWN. YOU DO NOT WANT THIS RIGGING TO COME UNDONE AND HURT SOMEONE. DOUBLE-TIE ALL THE KNOTS AS A SAFETY PRECAUTION. (IF YOU DECIDE TO USE BEENERS FOR YOUR FRONT TIE-DOWNS, REMEMBER THAT ONCE YOU GET THE LENGTHS CORRECT AND THE LOOPS TIED IN, YOUR KNOTS WILL GET TIGHTER AND TIGHTER WITH EACH USE AND YOU WILL NOT HAVE AS MUCH ADJUSTMENT IN THE RATCHETS WHEN PUTTING POLE UP.

## **DISCLAIMER**

THESE ARE JUST BASIC PLANS, YOU ASSUME ALL LIABILITY INVOLVED IN THEIR USE. THIS INCLUDES DAMAGE TO BOATS, EQUIPMENT OR PERSONAL INJURY OR DEATH. IMPROPER ASSEMBLY OR INSTALLATION MAY CAUSE SERIOUS INJURY AND DAMAGE TO YOUR BOAT, YOURSELF AND YOUR PASSENGERS AND SKIERS. THIS POLE SHOULD ONLY BE USED TO PULL WAKEBOARDERS, NOT TUBES, WATER SKIERS, OR OTHER BROKEN DOWN BOATS. CHECK YOUR NYLON WEBBING AND KNOTS REGULARLY AND REPLACE WHEN DAMAGE, ROTTING OR MOLD BECOMES PRESENT.