

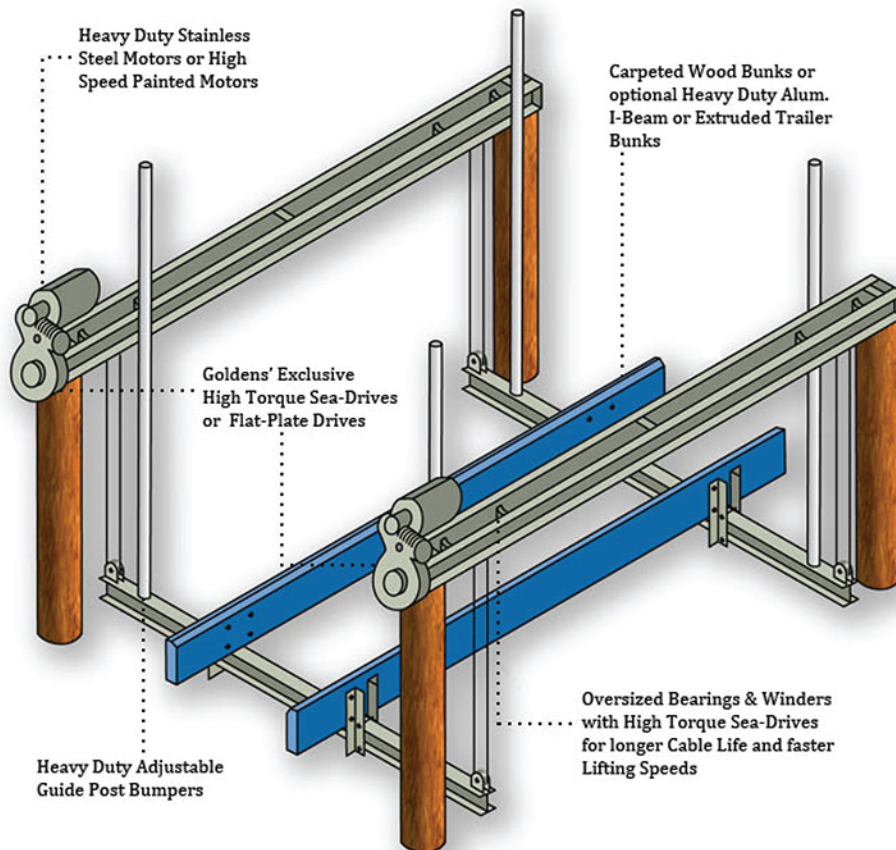


When It's Done Right...It's Golden!

## INSTALLATION INSTRUCTIONS

### MODEL NUMBERS AND CAPACITY

**4,500 LBS TO 28,000 LBS**



**Golden Manufacturing Inc. 17611 East Street North Fort Myers, Florida 33917**

Toll free 888-909-5438 Phone 239-337-4141 Fax 239-337-4482 [www.goldenboatlifts.com](http://www.goldenboatlifts.com)



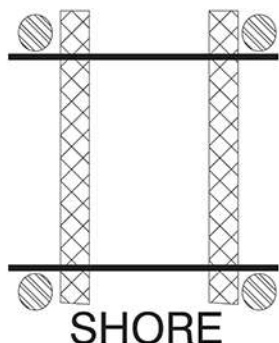
## PILING PREPERATION

Installation Procedures may vary as conditions vary including soil, piling capacity, water depth, tides and current.

These installation guidelines are written to be general and cover a variety of situations, for additional information consult your marine contractor or local engineer.

| CAPACITY | LENGTH | WIDTH | PILE DIA. |
|----------|--------|-------|-----------|
| 4500     | 11'    | 10'   | 8"        |
| 7000     | 12'    | 12'   | 8"        |
| 10,000   | 12'    | 12.5' | 10"       |
| 12,000   | 12'    | 12.5' | 10"       |
| 14,000   | 12'    | 12.5' | 10"       |
| 16,000   | 12'    | 14'   | 10"       |
| 20,000   | 14'    | 16'   | 10"       |
| 24,000   | 16'    | 16'   | 10"       |
| 28,000   | 16'    | 16'   | 12"       |

Center to Center



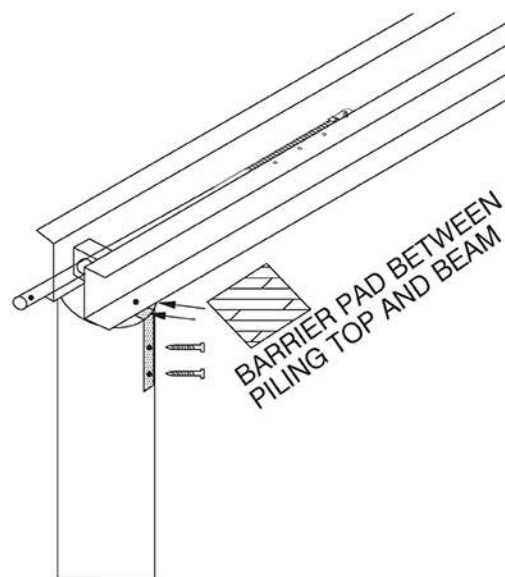
### STEP 1

VERIFY THE **PILING SPACING**: SEE CHART ON LEFT  
 VERIFY THE **PILING CAPACITY**: SEE CHART ON LEFT  
 MEASURE THE HEIGHT OF THE SHORTEST PILING TO THE WATER AND TRIM ALL PILINGS TO THE SAME HEIGHT.  
 SQUARE THE TOPS OF THE PILINGS FOR SOLID SEATING.

FOR INSTALLATION WITHOUT A BARGE IT IS HELPFUL TO SCAFFOLD THE PILINGS USING (2) 16' 2X10'S NAILED TO THE PILING LENGTH AND SCAFFOLD BOARDS BETWEEN. SEE ILLUSTRATION.

### STEP 2 MOUNTING THE CABLE BEAM

1. Loosen the stainless steel mounting brackets front and rear and slide out of the way.
2. For wood pilings, verify barrier insulating plastic is in place and will cover top of piling.
3. Lift the cable beams onto the pilings with the motor end one inch past the piling so the drive will not interfere or rub the piling.
4. Position the mounting brackets to straddle the piling and using a 3/8" wrench, tighten the brackets to the cable beam.
5. Mark the bracket holes on the piling and drill 1/4" pilot hole in the piling. Do this for all bracket holes. Secure with the 3/8" stainless steel lag screws provided.



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### **STEP 3 CABLING TOP BEAMS AND CRADLES**

#### **CAPACITY 5000 AND 7500 LB 1 PART SYSTEM**

Shackle the cable to the end plate of the cradle beam. Repeat this for both ends and then remove the wooden shipping wedge between winder and lift side.

#### **CAPACITY 10,000 TO 16,000 LB 2 PART SYSTEM**

1. The lift cable comes pre-assembled with enough cable to hang the cable beams. Remove cable beam pulley bolt and pulley.
2. Loop the cable through the pulley plates and replace the pulley and pulley bolt.
3. Center the cable on the pulley. Check cable to be sure it is free of loops, kinks or twist. Repeat for each pulley.

#### **CAPACITY 20,000 AND 24,000 LB 3 PART SYSTEM**

1. The lift cable comes pre-assembled with enough cable to hang the cradle beams. Remove cable beam (top beam) pulley bolt and pulley. Loop the cable through the pulley plates with enough cable to loop down about 3' and the nico loop the same distance. See illustration
2. Remove the pulley bolt and pulley from the lower beam.  
Slip both the cable loop and the nico loop into place. The cable loop goes around the pulley and the pulley bolt goes through the nico loop. Tighten all pulley bolts. (Note: do not over tighten; the bolts are shipped with self locking nuts)
3. Repeat for each end of both beams. Remove the wooden shipping wedge between winder and beam side. Verify the cable does not cross, kink or twist.

#### **CAPACITY 28,000 LB 4 PART SYSTEM**

1. Repeat the process for the 4 part system except the lower (cradle beam) will have a double loop through two pulleys' and the upper beam will have a single pulley. The nico termination is already in the beam. (see illustration)

REFER TO THE CABLE DIAGRAM BELOW AND EXAMINE THE CABLES FOR ALIGNMENT AND CENTERED IN EACH PULLEY GROOVE. CABLES SHOULD NOT CROSS, BE KINKED OR LOOPED AROUND ANYTHING BUT THE PULLEYS.

**PLEASE CHECK CABLES**

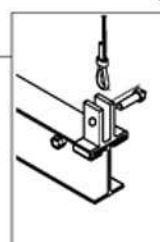
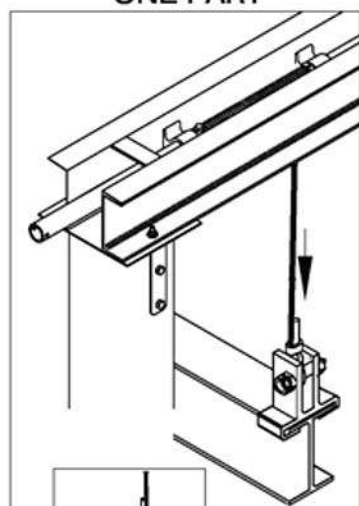


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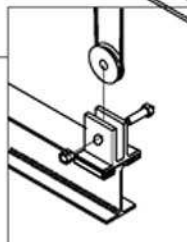
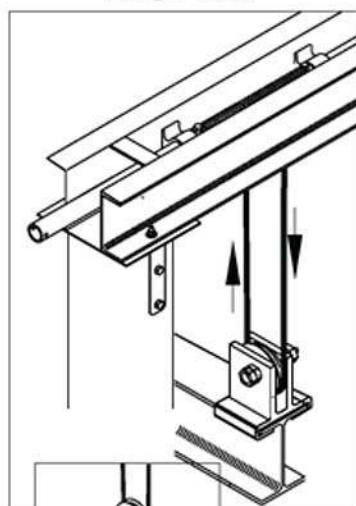
# 1,2,3 PART CABLE INSTALLATION

ONE PART



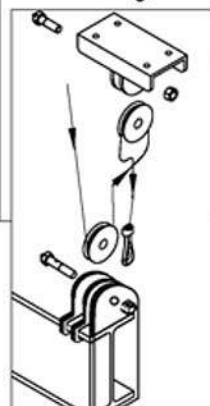
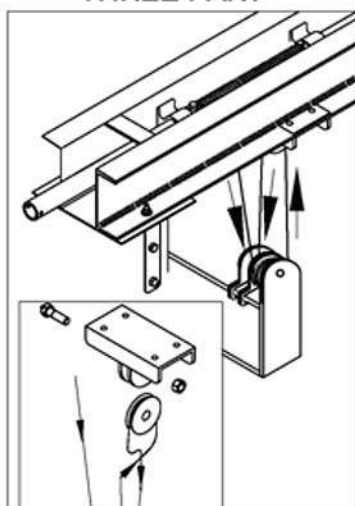
4.5, 5, 7

TWO PART



10, 12, 14, 16

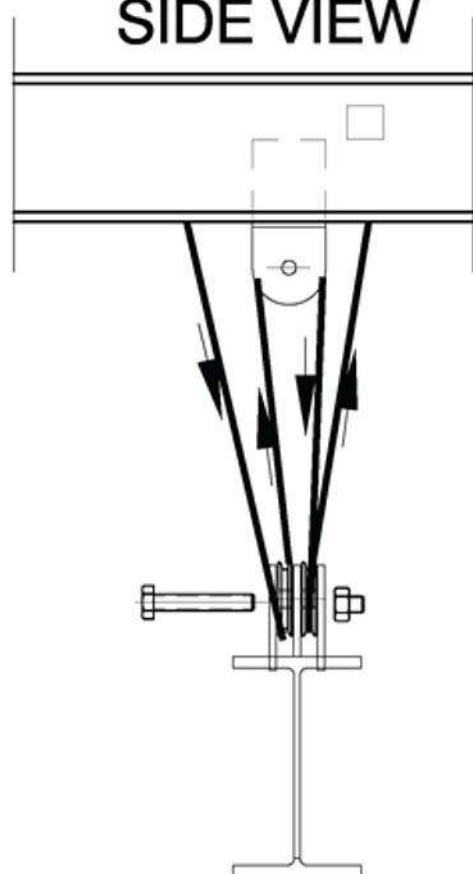
THREE PART



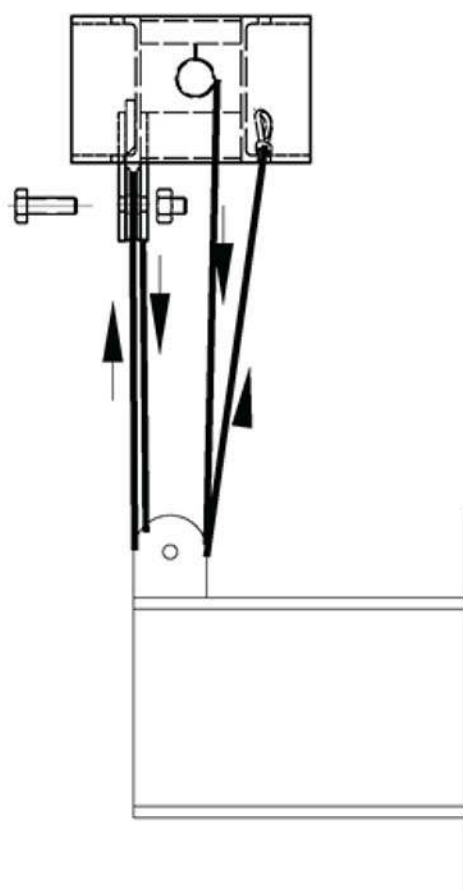
20, 24

# 4 PART CABLE INSTALLATION 28K

SIDE VIEW



FRONT VIEW



IT IS VERY IMPORTANT THAT THE SUPPORTS NEED TO BE PLACED SO THE HULL IS SUPPORTED PROPERLY. IF IN DOUBT CONTACT THE MANUFACTURER FOR SUPPORT POINTS. **CAUTION** IMPROPER BUNK PLACEMENT COULD RESULT IN DAMAGE TO THE BOAT HULL.

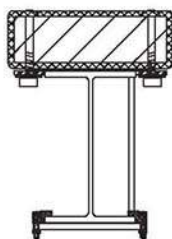
## BUNK BOARD OPTIONS

TYPICAL AND  
MOST COMMON



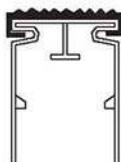
STANDARD  
CARPETED WOOD

I-BEAM STYLE



CARPETED WOOD  
OVER  
ALUMINUM I-BEAM

REINFORCED  
EXTRUDED



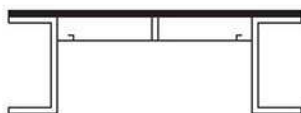
FLAT TOP  
EXTRUDED

19 DEG. PRE FAB  
EXTRUDED  
ALUMINUM



SYNTHETIC RUBBER  
SURFACE

PONTOON  
OR  
CATAMARAN



12" FLAT TOP  
ALUMINUM WITH  
SYNTHETIC RUBBER  
SURFACE

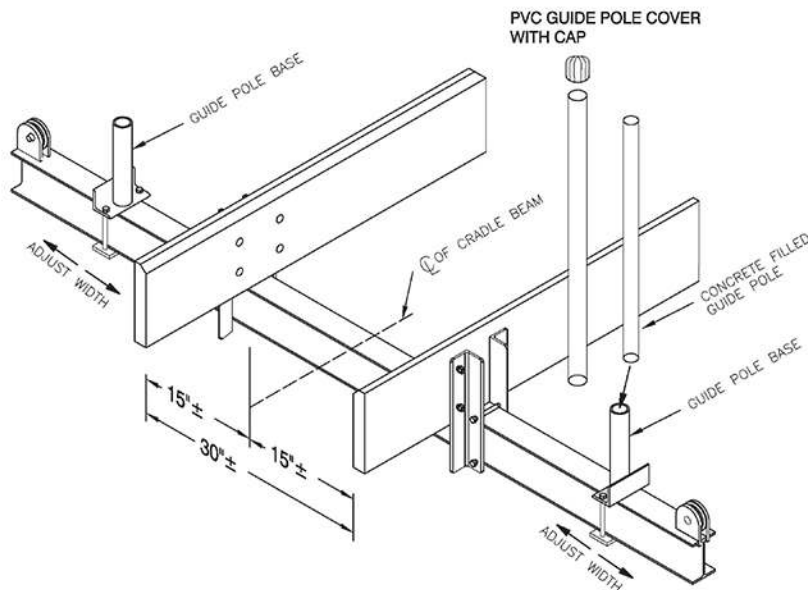


## CHOOSE THE OPTION THAT MOST EFFECTIVELY AND SAFELY SUPPORTS YOUR HULL SHAPE.

### FOR MOST V SHAPE HULLS:

Mark the cradle beam centers and set each bunk bracket approximately 17" (most bunk styles) each side of center. Position the bunk against bracket with about 12" past aft cradle beam. (Parallel or match to hull). Check to be certain the **CRADLE** beams are parallel to each other and directly below the top beam cable drops to assure the cables will wind and track properly.

Fasten the bunks to the cradle beams and to the brackets provided. Tighten the bunk bracket bolts to secure to the cradle beams.



STANDARD CARPETED WOOD BUNKS ARE PICTURED TO THE LEFT.

Golden has many bunk options available which you may have purchased to fit the many hull shapes available today.

If you have one of the other options and need additional instructions for installation please contact:

GOLDEN MANUFACTURING

### **STEP 5** INSTALLING THE GUIDE POLES

Place the concrete filled metal guide poles into the receiver tubes shown on the beam. Place the PVC cover over the guide pole with pipe cap on the top. Adjust the guide pole brackets to be just wider than the boat to help guide the boat into the proper location on the lift when docking. It is a good idea to mark the guide pole at the surface of the water when the lift is below the draft of the boat. This mark will serve as a way to know how far below the surface of the water the cradles need to be when docking regardless of the tide.

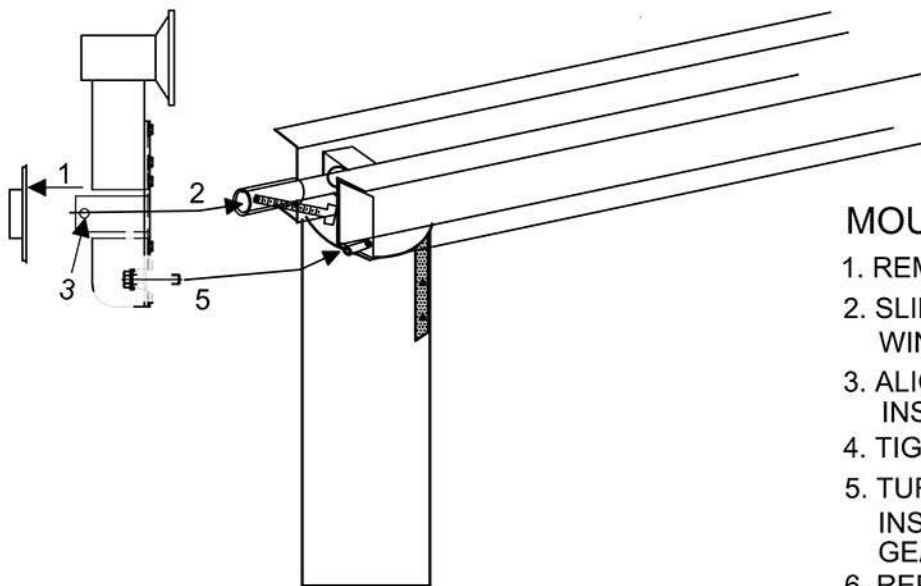


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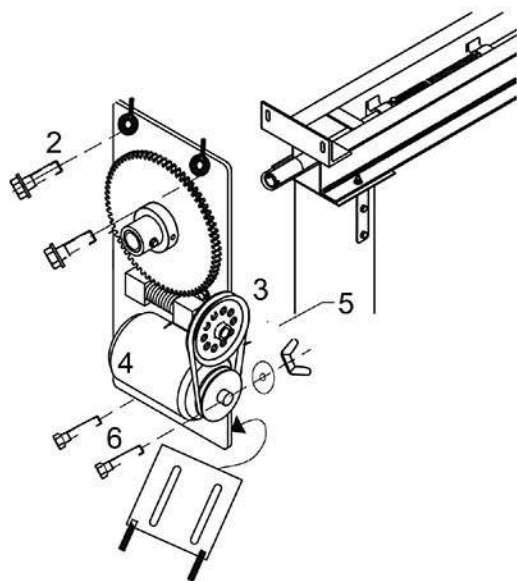
Add typical Golden and address here

## **STEP 5 DRIVE AND MOTOR INSTALLATION**



### **MOUNT SEA DRIVE**

1. REMOVE COVER
2. SLIDE SEA DRIVE OVER WINDER SHAFT AND SLEEVE
3. ALIGN HOLES AND INSERT SHAFT BOLT
4. TIGHTEN SHAFT BOLT
5. TURNING THE LIFT SHAFT TO ALIGN INSERT TORQUE BOLT THROUGH GEAR TAB AND LIFT SPACER, TIGHTEN
6. REPLACE COVER



### **MOUNT FLAT PLATE DRIVE**

1. SLIDE THE FLAT PLATE OVER SHAFT AND SLEEVE, ALIGN HOLES AND SECURE WITH HARDENED BOLT AND LOCKING NUT
2. BOLT THE FLAT PLATE TO THE WINDER MOUNT ANGLE  
USE 1/2" X 1-1/4" BOLTS, NUTS, WASHERS AND PIN WASHER (SEE ILLUSTRATION)
3. INSTALL LARGE V-BELT PULLEY ON THE WORM SHAFT AND ALIGN WITH MOTOR PULLEY
4. INSTALL MOTOR TO BACKPLATE USING TOP HOLES AND SHORT CARRIAGE BOLTS (PROVIDED)
5. INSTALL V-BELT AROUND BOTH PULLEYS STARTING WITH THE MOTOR PULLEY.
6. INSTALL LONGER CARRIAGE BOLTS IN LOWER MOTOR MOUNTS USING WING NUTS AND SLIDING PIN PLATE.



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**SEA DRIVE:** WHEN INSTALLING THE C-FACE MOTORS ON THE SEA DRIVES, APPLY ANTI-SEIZE COMPOUND LIBERLY TO MOTOR SHAFT.

**FLAT PLATE:** REPLACE ALL COVERS, REMOVE THE CABLE SHIPPING WEDGE AND GREASE THE LIFT.

Grease fittings are found at each bearing in the top beams and each pulley in the cable beams. The Sea Drive is permanently lubricated and sealed for life, no maintenance required. The flat plate requires grease in the worm blocks, main gear and the main bearing in the back of the plate. (See owner's manual for diagram)

**GOLDEN MANUFACTURING REQUIRES YOUR LIFT TO BE WIRED BY A LICENSED ELECTRICIAN FAMILIAR WITH DUAL DIRECTION MOTOR CONTROLS AND MARINE REQUIREMENTS IN CONSULTATION WITH THE LOCAL CODE ENFORCEMENT OFFICIAL.** There are several technical details and local code considerations that need to be taken into account well beyond the scope of this instructional pamphlet.

Shown below is the typical wiring of a manual Bremas Switch. If you have purchased other control options the wiring instructions will be included with that specific control option.

**The diagrams below apply to factory pre-wired boatlifts with in line GFCI device and 115V or 230V plugs attached.**

Other control options require their own set of instructions. If you have purchased a GEM control consult their web site and wiring instructions in the control.

WIRING DIAGRAMS ARE FOR REFERENCE **ONLY!**

**DO NOT ATTEMPT TO MODIFY THE FACTORY WIRING.**



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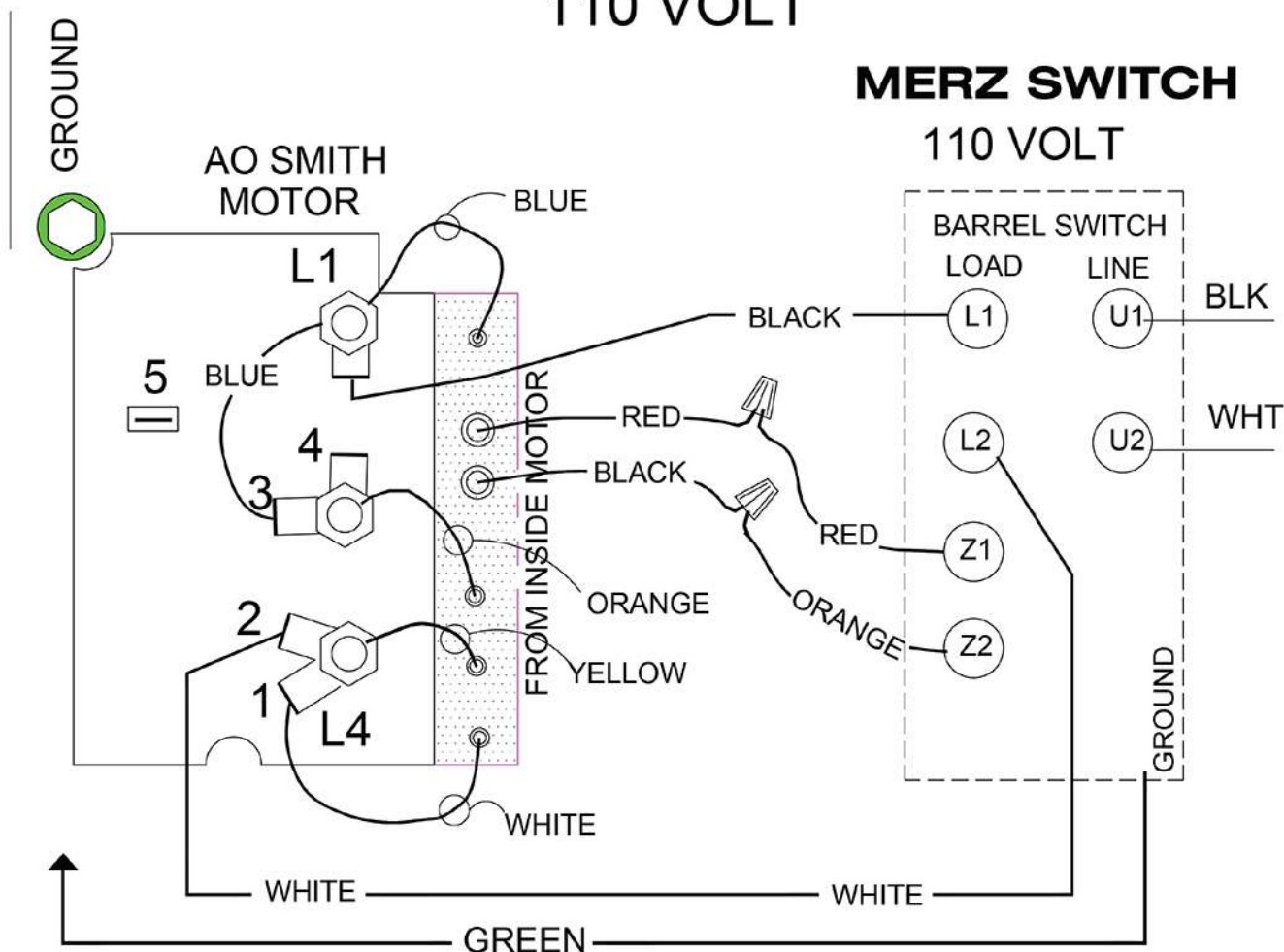
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# LEESON

## AO SMITH 110V DIAGRAM

### MERZ SWITCH

110 VOLT



**TEST GFCI BEFORE USING LIFT** (GROUND FAULT CIRCUIT INTERRUPTOR)

Other control options require their own set of instructions. If you have purchased a GEM control consult their web site and wiring instructions in the control. **The lift is now ready for the boat.** BE SURE NOTHING WILL HIT THE BOTTOM OF THE BOAT AND THE LIFT IS BELOW THE HULL. POSITION THE BOAT AND MARK FOR EASY FUTURE ALIGNMENT.



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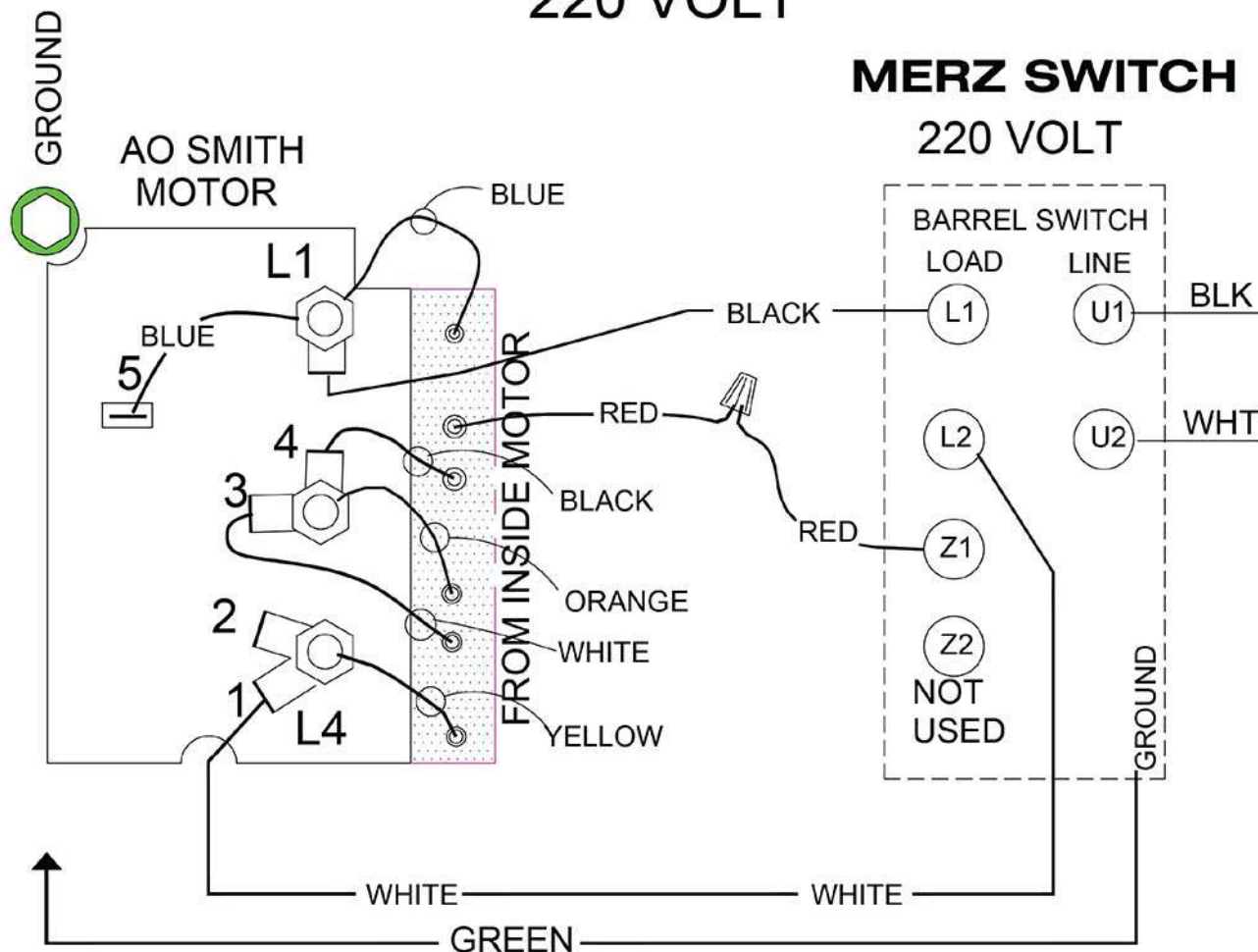
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220 VOLT



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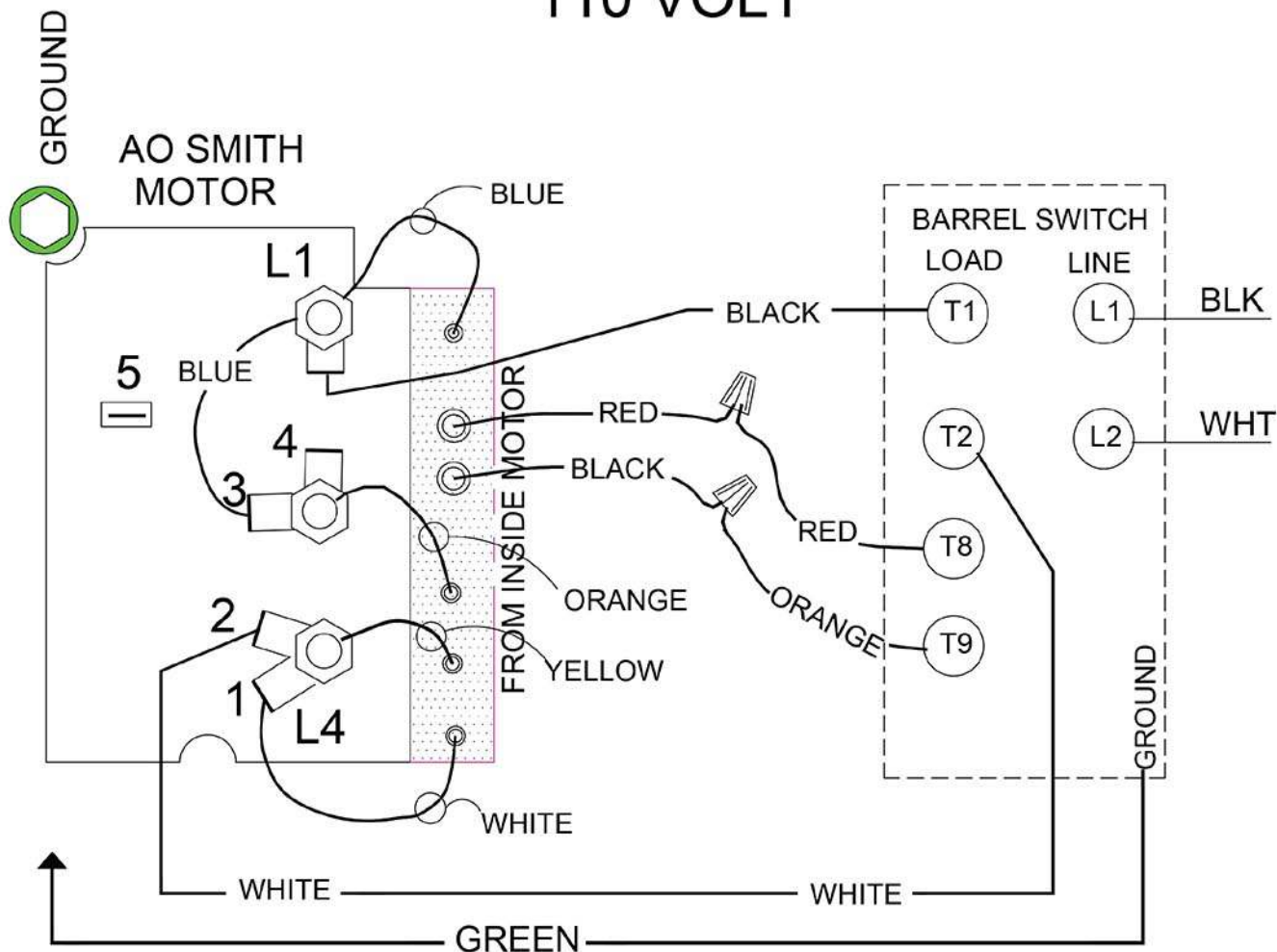
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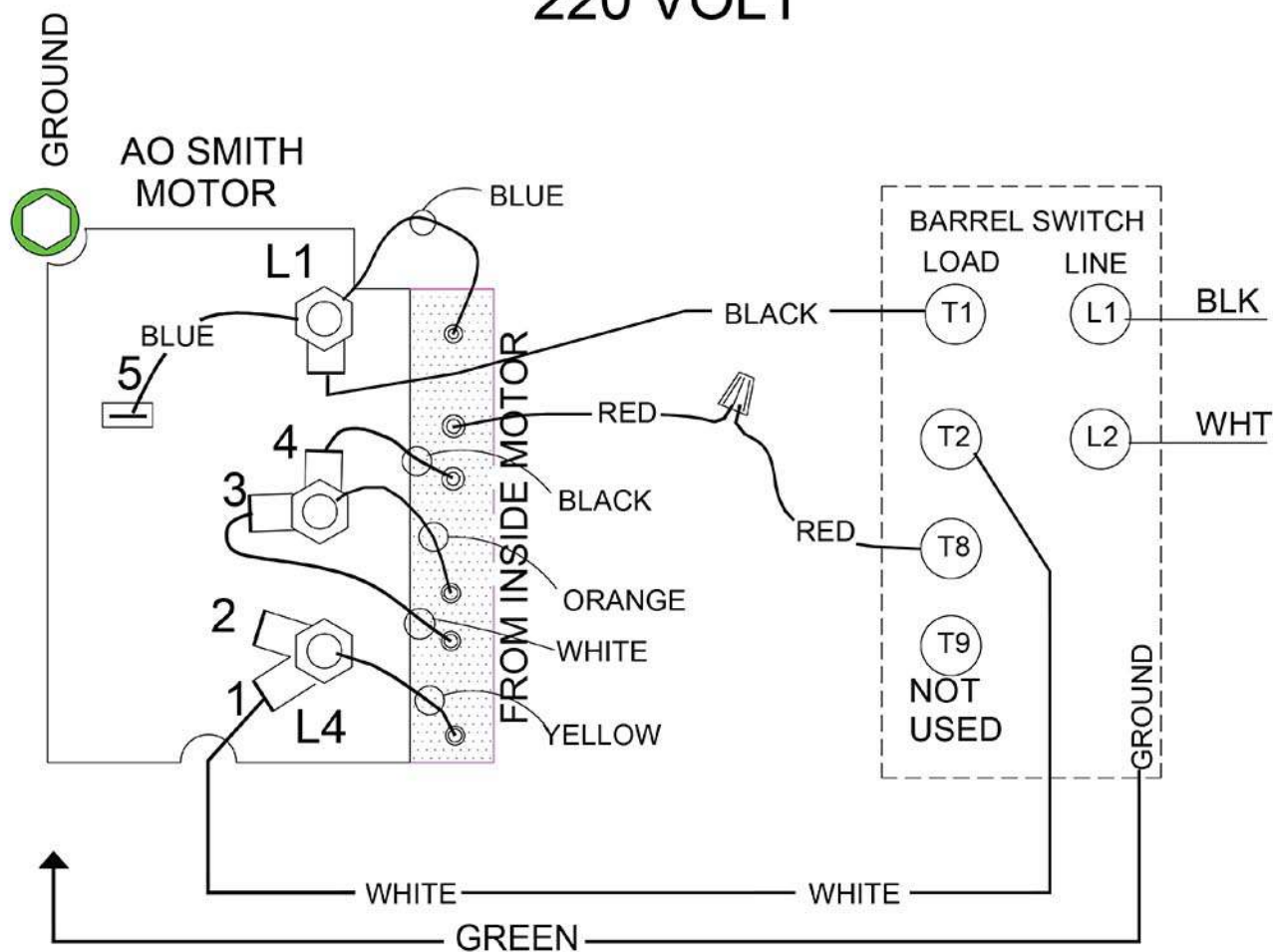
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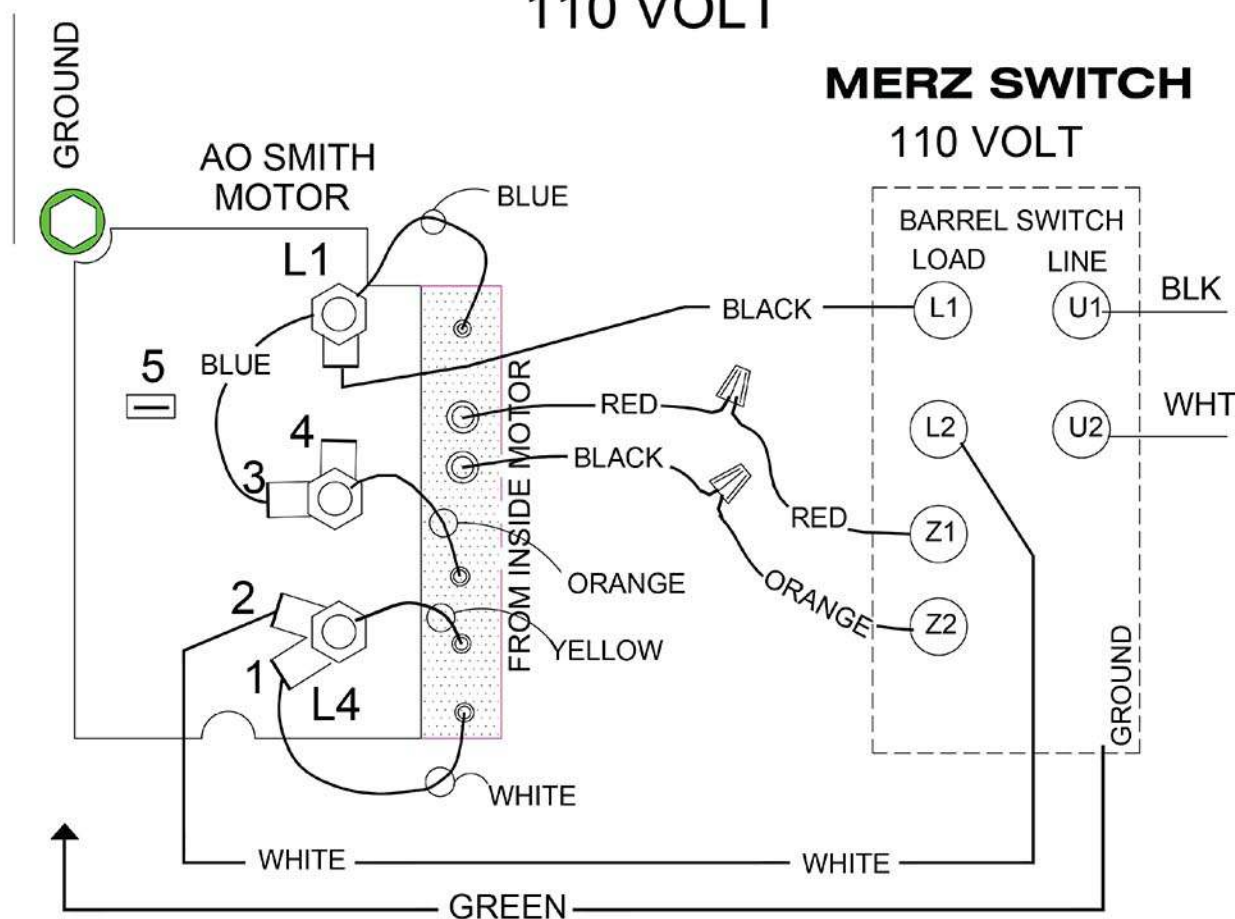
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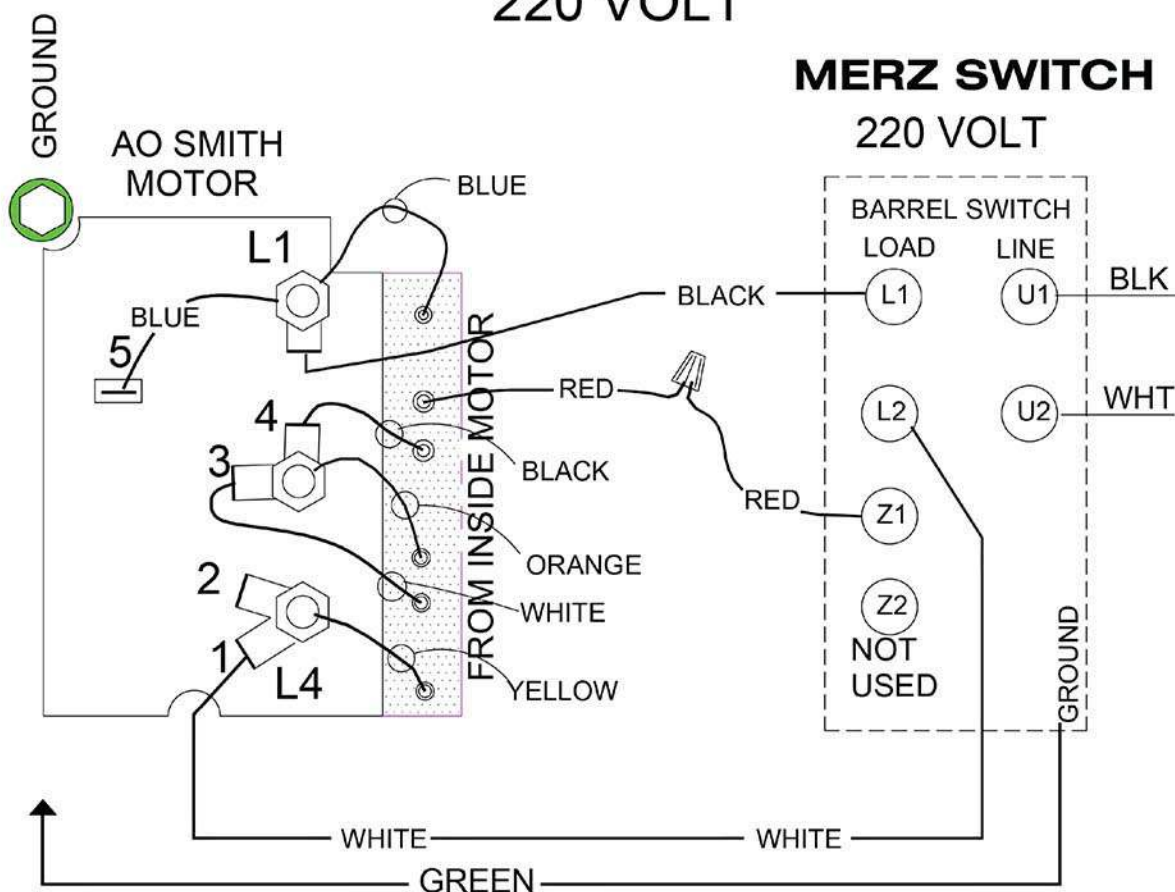
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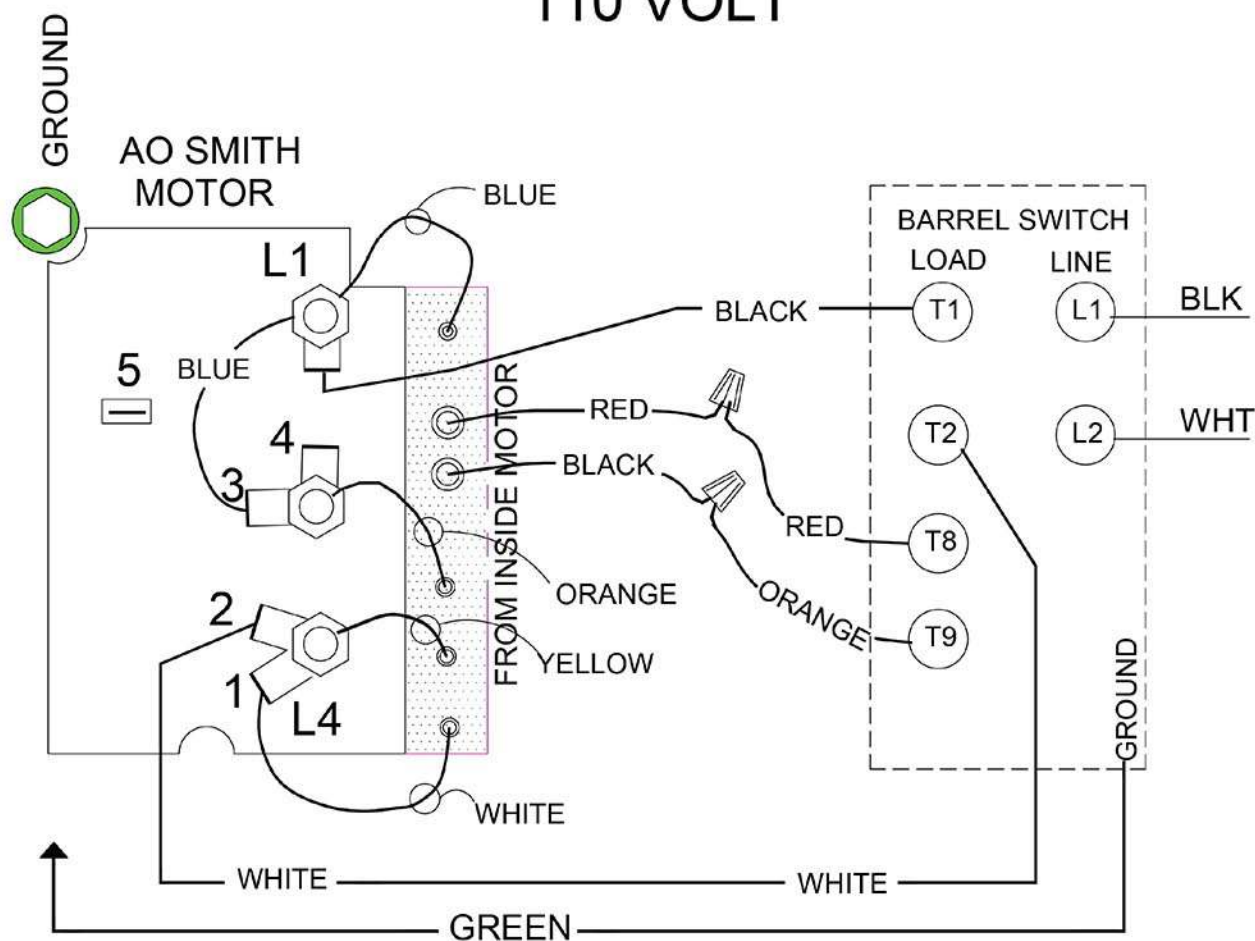
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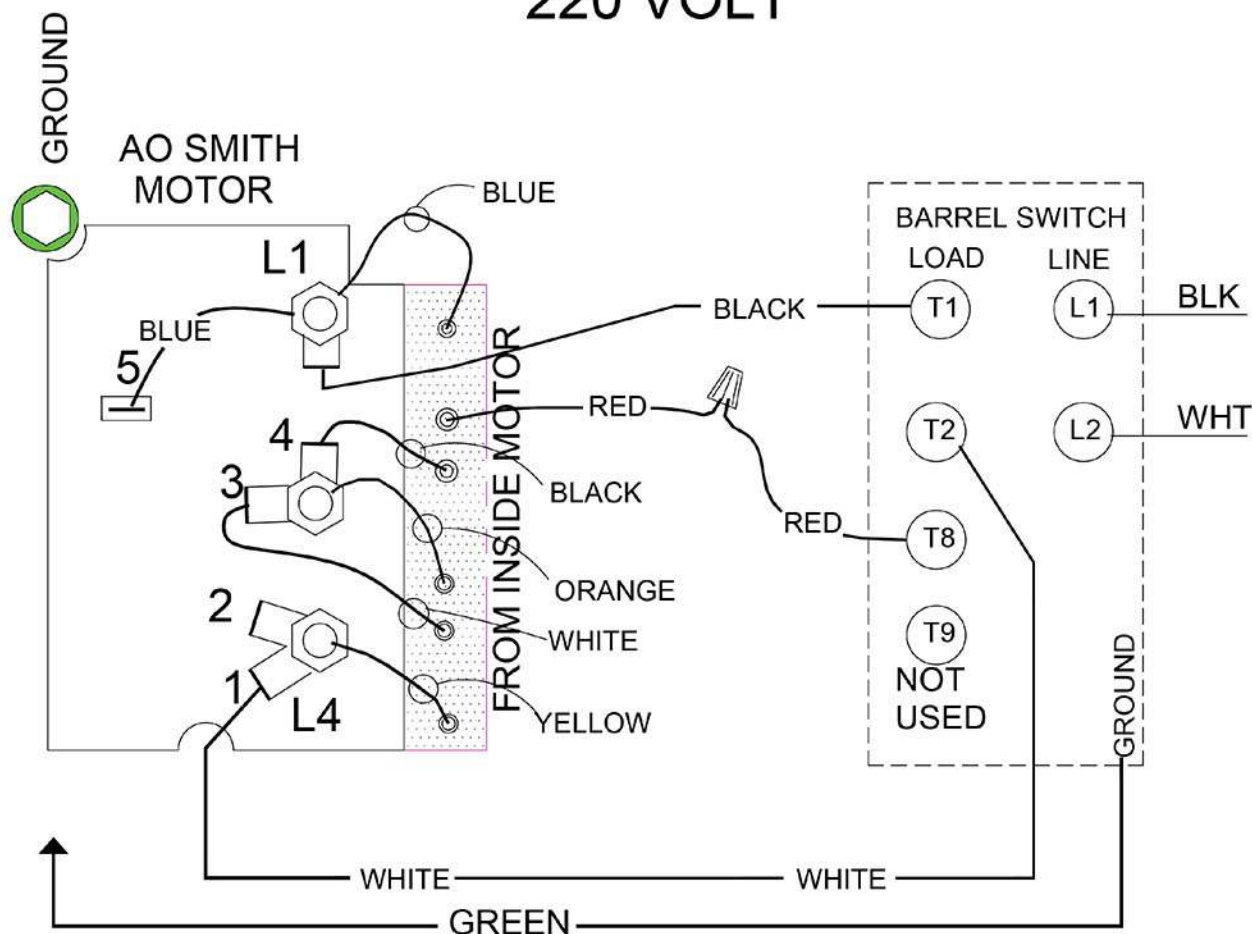
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