



ELEVATOR INSTALLATION INSTRUCTIONS



2 TRACK: 3,000 - 20,000 LBS

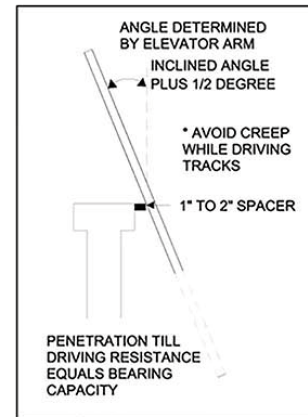
SETTING THE TRACKS:

KEEP THESE THINGS IN MIND:

- The tracks must be installed parallel to each other.
- The tracks must be installed at the proper angle.

STEP 1:

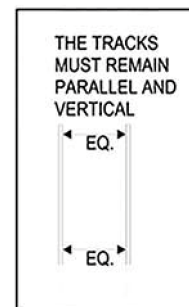
1. Position the track at the desired location on the seawall against the spacer and at the desired angle (not less but up to 1/2 degrees more).
2. Use a protractor to set the angle (See Fig. 1) Confirm angle and check vertical alignment during the driving process.



STEP 2:

SOIL CONDITIONS AND LOCAL FACTORS MAY INFLUENCE SETTING METHODS

1. Check for level and mark the seawall for proper track location.
2. Using a track driver, other impact device, or jet pump, drive the track to the required bearing capacity (10 drives yields less than 1/4" penetration).
3. Continue to check vertical position and incline angle during the driving process.
4. Repeat the process for the other track. Be sure the tracks remain parallel and at the correct incline angle.



NOTE: A smart phone can be used as a digital protractor with a downloaded app. Search protractor in your app store or internet.



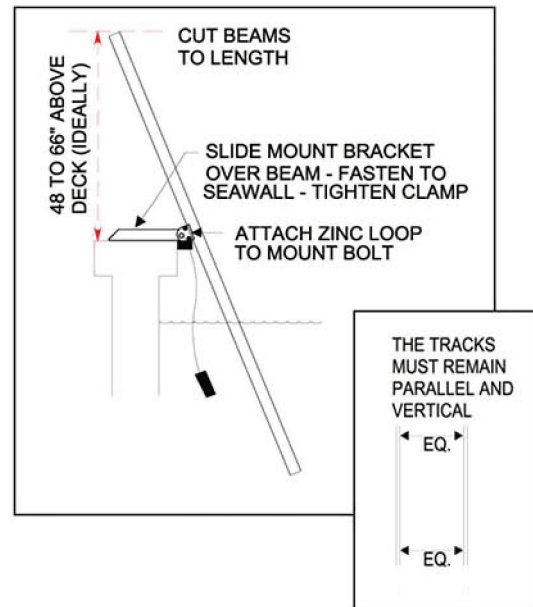
MOUNTING THE TRACKS:

IMPORTANT NOTE:

Check level. Verify incline angle. Mark the seawall for proper vertical position.

STEP 3:

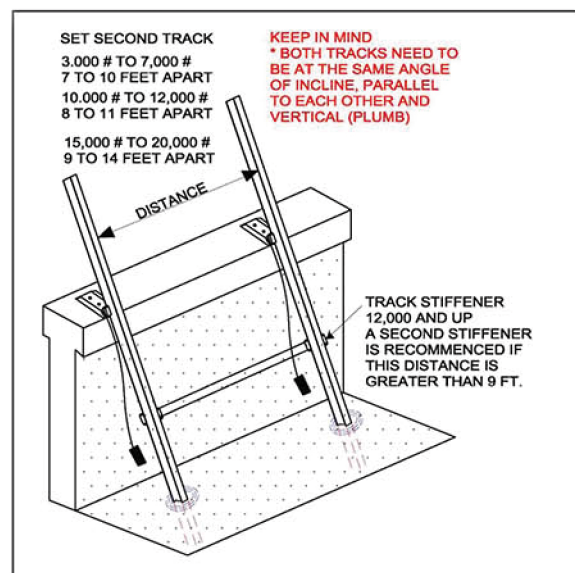
1. Slip the mounting bracket on to the beam and slide down to the concrete seawall (NOTE: If pile mounting uses the same procedure with the bracket vertical).
2. Maintain the 1 to 2 inch space between the track and seawall.
3. Mark the holes and drill for 3/4" stainless steel anchors. Mount the bracket channel to the seawall and tighten the track clamp bolt. **Be sure to attach the zinc bar cable to the 1/2 inch track mount bolt. Under no circumstances will warranty coverage apply to corrosion.**
4. Complete for both tracks. Make sure they are **parallel AND** at the same incline **angle**.
5. Measure the desired height and cut both tracks to length.



STEP 4:

1. Position the second track parallel and at the same incline angle.
2. Drive to weight bearing depth. Constantly monitor the position and angle of the track to maintain accurate incline angle and vertical position.
3. Slide seawall mount over top and mark position.
4. **Verify track angle** - Adjust spacer dimension to match exact incline angle required and equal to first track.
5. **Verify vertical** - Adjust position to be equal distance from the first track at the **top and bottom**.
6. Mark and mount bracket to seawall. Attach zinc and tighten track clamp bolt.

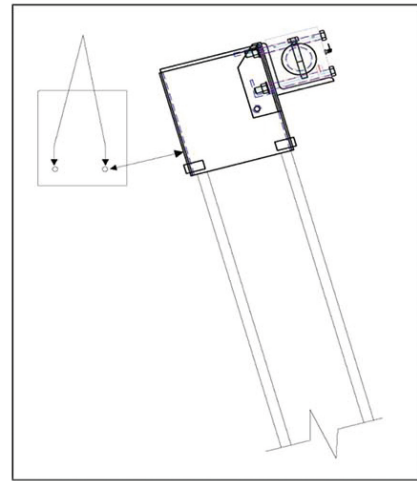
Mount track stiffener if required (12,000 lbs. and up). If the distance from track mount bracket to the sea floor is greater than 9 feet an additional bracket is required. For lifts less than 12,000 lbs. but with track distanced greater than 9 feet, a track stiffener is required.



MOUNTING THE DRIVE HEADS:

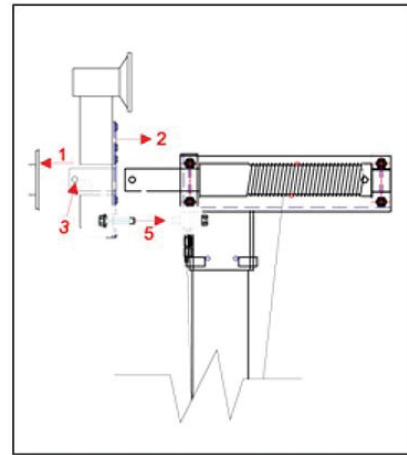
STEP 5:

Slide drive head over beam winder facing toward water. Drill two 7/16" holes through web of I-beam and fasten with 3/8" bolts provided.



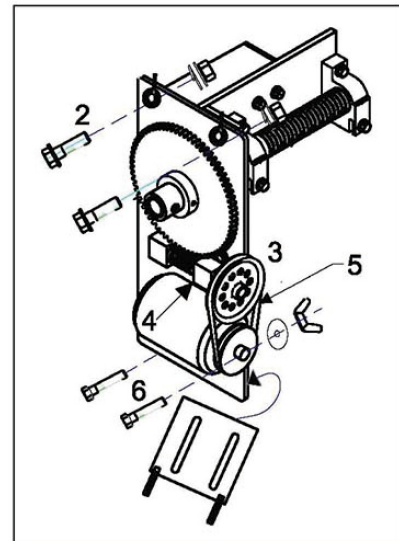
MOUNT SEA-DRIVE®:

1. Remove cover.
2. Slide Sea-Drive® over winder shaft.
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:

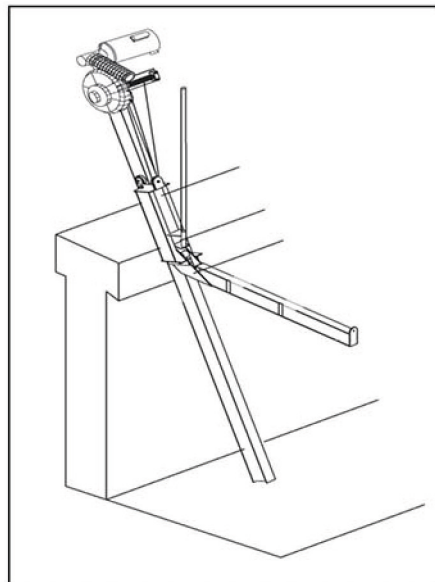
1. Slide the flat plate over shaft and sleeve. Align holes and secure with hardened bolt and locking nut.
2. Bolt the flat plate to the winder mount angle. Use 1/2" x 1-1/5" bolts, nuts and pin washer (see illustration). 
3. Install large v-belt pulley on the worm shaft and align with motor pulley.
4. 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.



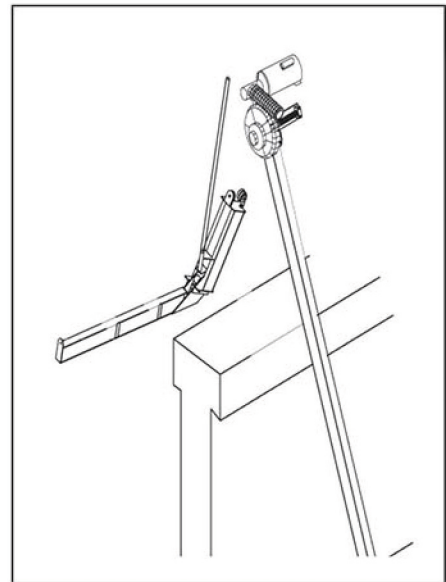
INSTALLING THE CABLES:

STEP 6:

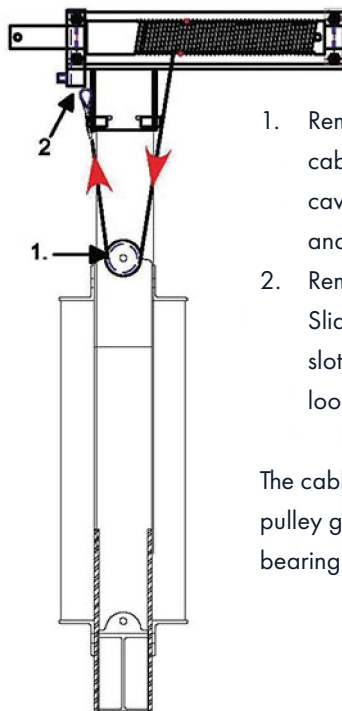
Hold the cradle beam in place with a barge or crane OR place on the ground behind the tracks. If using the ground be sure not to twist or cross the cables when looping them through the pulleys (See Illustration).



CRADLE BEAM ON LAWN



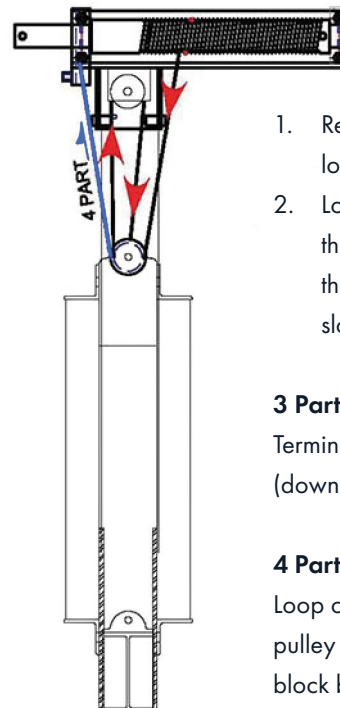
2 PART SYSTEM - 3K THROUGH 10K



1. Remove pulley and bolt loop cable down into the pulley cavity and replace pulley and bolt.
2. Remove lower bearing bolt. Slide micro loop into bearing slot. Slip bolt through micro loop and retighten nut.

The cable now rides in the pulley groove and is secured by bearing bolt.

3 PART SYSTEM - 12K THROUGH 15K 4 PART SYSTEM - 17K AND ABOVE



1. Remove both upper and lower pulley bolts.
2. Loop cable as shown down through carriage pulley slot then up through upper pulley slot then down.

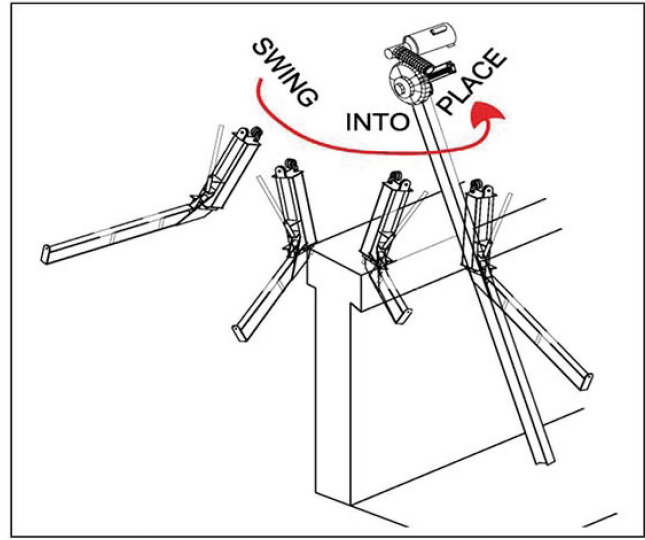
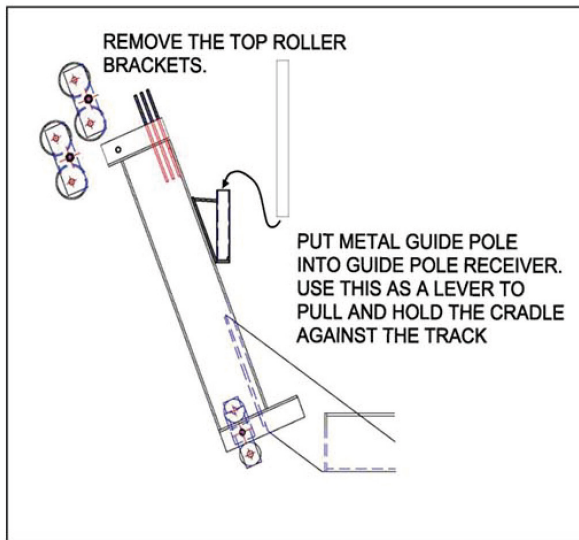
3 Part System:

Terminate at carriage bolt (down).

4 Part System:

Loop cable through second pulley and terminate at bearing block bolt by slipping micro loop through slot of lower bearing block bolt (See above shown in blue).

ATTACHING THE CRADLE TO THE TRACK:



STEP 7:

1. Position the lower wheels on the face of the I-beam.
2. Pull the cradle into position using the guide pole as a lever.
3. Reassemble the upper roller bracket with wheels behind the I-beam flange. Attach the second bracket on the other side behind the flange. Tighten both securely.

The cradle is now secured to the track and the cables are in position.

Refer to the cable diagram 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

- 2 PART - Starting from the winder the cable should travel down and around the pulley and back up to terminate in the left lower bearing block bolt.
- 3 PART - Starting from the winder the cable should travel down and around the pulley and back up and around the pulley (left side facing left), and back down to terminate behind the lower pulley on the pulley axle bolt.
- 4 PART - Starting from the winder the cable should travel down and around the pulley and back up and around the pulley (left side facing left), and then back down (right side) and around the pulley, and return up to terminate in the slot on the lower left bearing block.

FINAL ASSEMBLIES:

STEP 8:

1. Measure the cradle beam distance to be equal to the track spread.
2. Attach the bunks by drilling 9/16" holes in the carpeted bunk boards and bolt (bolts provided) the boards to the angled brackets.
3. Do this for both boards and both cradles, keeping the cradles aligned parallel and at the correct distance.
4. Position the boards to support the boat hull evenly and close to the shore and tighten the bunk brackets.
5. Be sure to keep the center of gravity NOT the boat center but the boat weight in the center of the boatlift.

ALL ELECTRICAL WIRING MUST BE DONE BY A LICENSED ELECTRICIAN!

Consult with your electrician and local municipality requirements for true disconnect of all power, neutral and ground lines isolating the boat lift. (Ref. NEC NFPA 70, Section 250.2 and 250.6 (E). CSA Standard c22.2 no. 0.4-M1996 and Section 1-500. A certified decoupling device or true disconnect must be installed to prevent galvanic corrosion and electrolysis.

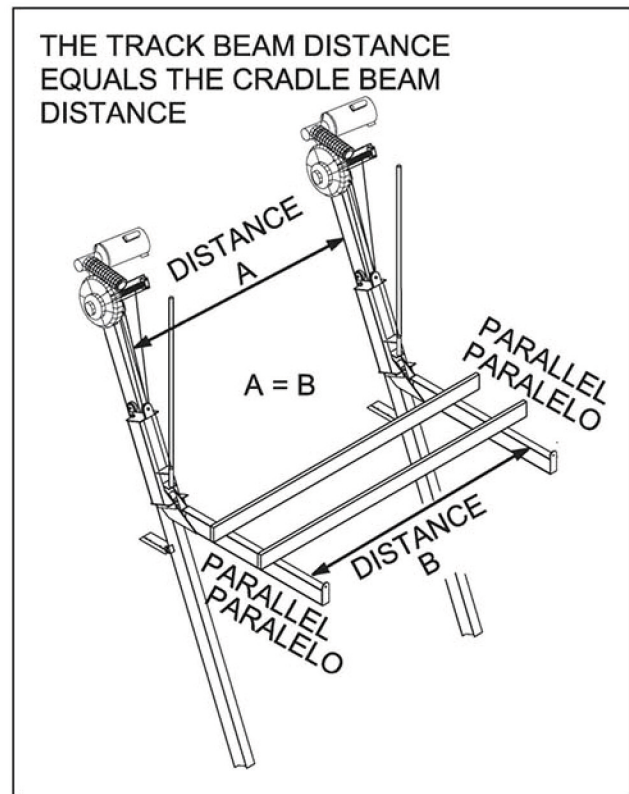
Install the C-Face motors on the Sea-Drives®, grease the lift. Replace the flat plate covers, remove the cable shipping wedge, and place the PVC guide pole and cap over the metal guide pole.

The boat lifts must be wired by a licensed electrician familiar with dual direction motor controls and marine requirements.

Test GFCI before using lift (Ground Fault Circuit Interruptor).

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.

Enjoy your lift! *"The Best Boat Lift on the Market!"*

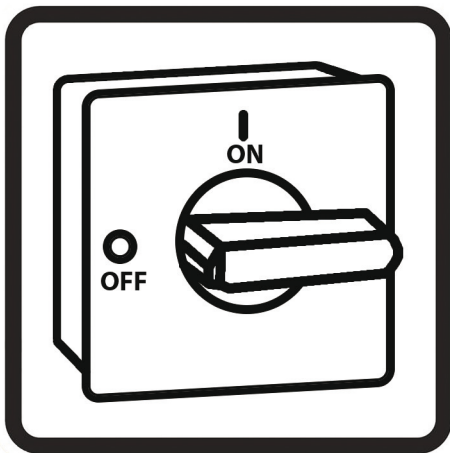


Dear Customer:

All Elevator Lifts are required to be equipped with one of two electrical safety features in order to prevent damage from electrolysis. You must have either a **4-Pole Disconnect Switch** installed and in the **OFF** position while your boat is not in use **OR** a **Removable Power Plug** must be installed and **UNPLUGGED** while lift is not in use. Failure to have either of these devices installed by a licensed electrician may result in corrosion or deterioration of the aluminum track I-beams as well as **VOID** of Warranty. Golden Boat Lifts and the Representatives will not be help liable for damage or failure due to misinstallaion or oversight of either of the required devices.

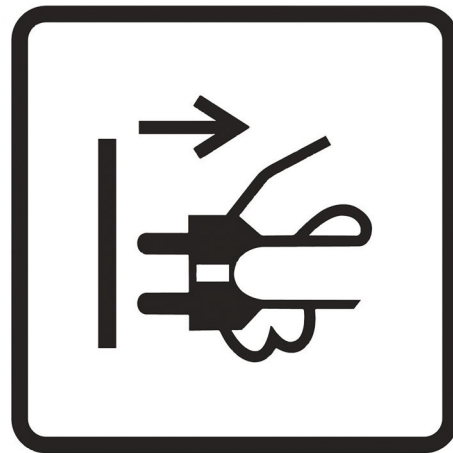
Sign: _____ Date: _____
By signing, I have read, understand, and agree to the requirements listed above.

4-POLE DISCONNECT



4-Pole Disconnect installed and in off position when Boat Lift is not in use.

POWER PLUG



Disconnect plug when Boat Lift is not in use.