

Revolution Anchor



PART #: F-710RLA

MANDATORY

LEAVE THIS MANUAL WITH LIFT OWNER

Read and follow all instructions.
Lift safety can only be ensured if the lift is installed and operated according to these instructions.

- NEVER permit children to play on or around the lift
- Do not allow children to use the lift without adult supervision
- NEVER apply direct water pressure to the electronics
- NEVER use the lift with a dry pool

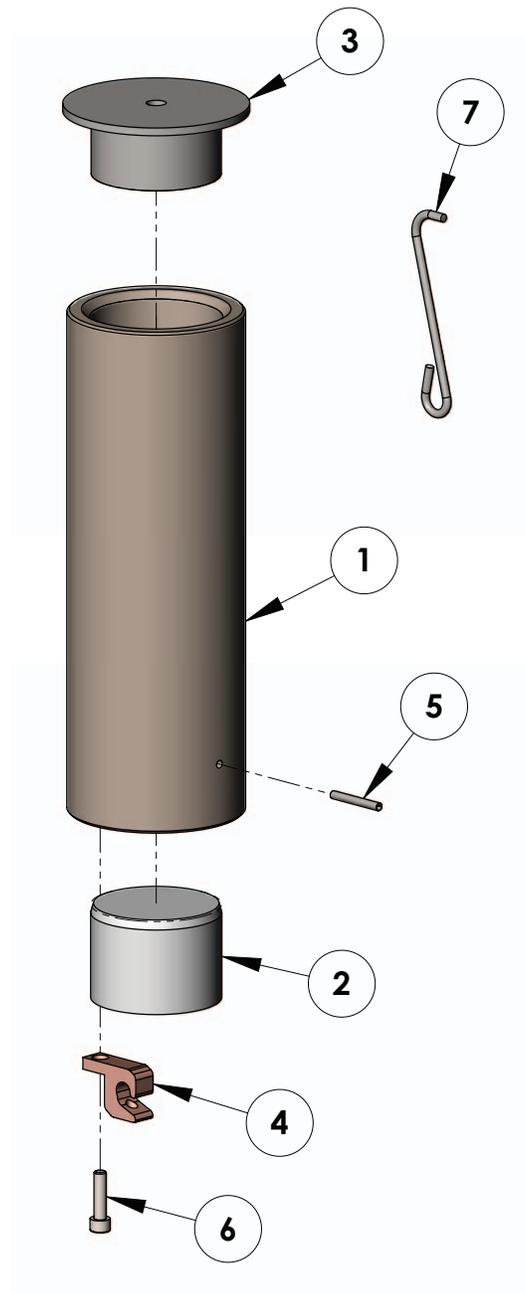
READ CAREFULLY

Check entire box and all packing materials for parts. Before beginning assembly, read the instructions and identify parts using the figures and parts listed in this document.

It is critical that all parts be carefully inspected prior to installation. If any damage occurred in transit, Aqua Creek Products, LLC must be notified within three days of receipt of unit.

Proper installation cannot be overstressed, as an improper installation voids Aqua Creek's warranty and may affect the safety of the user.

Parts List



ITEM #	QTY	PART #	DESCRIPTION
1	1	RVA-110-01	REVOLUTION ANCHOR TUBE, BRONZE
2	1	SCA-10P-00	ANCHOR PLUG
3	1	F-710RLA-CAP	ANCHOR CAP, REVOLUTION
4	1	GBL-4DB	LUG, IN GROUND GROUNDING LUG
5	1	ROLL PIN, 1/8"X1"	ROLL PIN, 304 SS, 1/8" X 1"
6	1	BSH 10 X 3/4	BOLT, 316 SS, 10-24 X 3/4", SHCS
7	1	F-ACTOOL	ANCHOR CAP TOOL

Installation: ADA Guidelines

ADA Requirements:

The Revolution Lift is ADA Compliant.

The installation must meet the following requirements:

- Clear deck space dimensions (see FIGURE 1)
- Installed a minimum of 16 inches from the pool wall
- Deck slope no greater than 1:48
- The seat must submerge at least 18 inches into the water. The lift should be installed at a location with 42 inches - 48 inches of depth (deck to pool floor)
- Anchor setbacks are based on straight pool/spa walls. Curved pool/spa walls will effect the anchor setback.

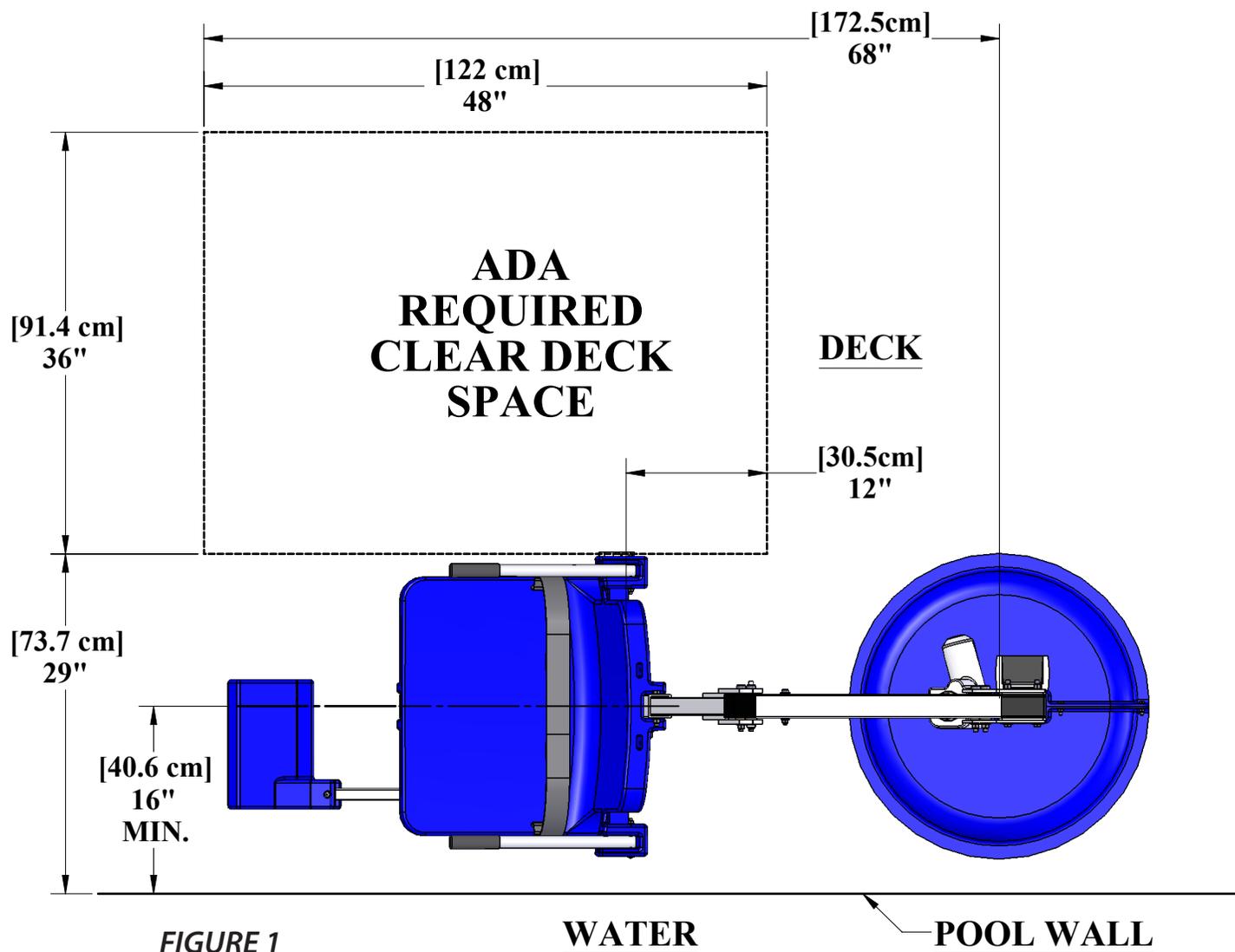


FIGURE 1

Anchor Installation: New Construction or Retro-Fit

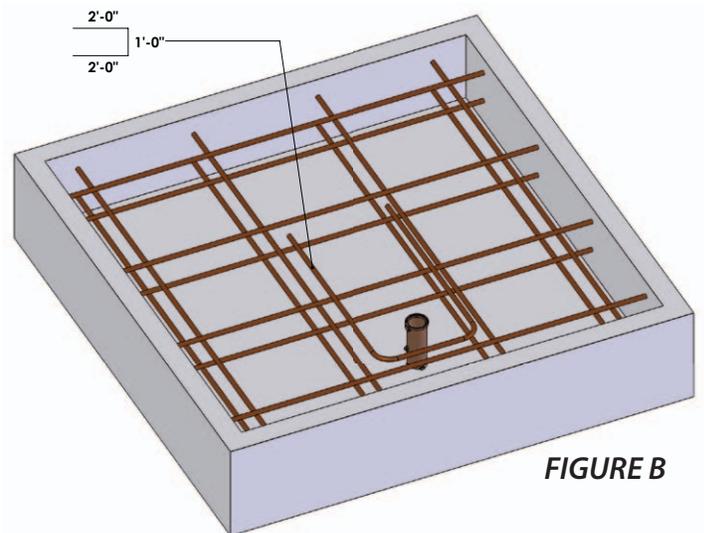
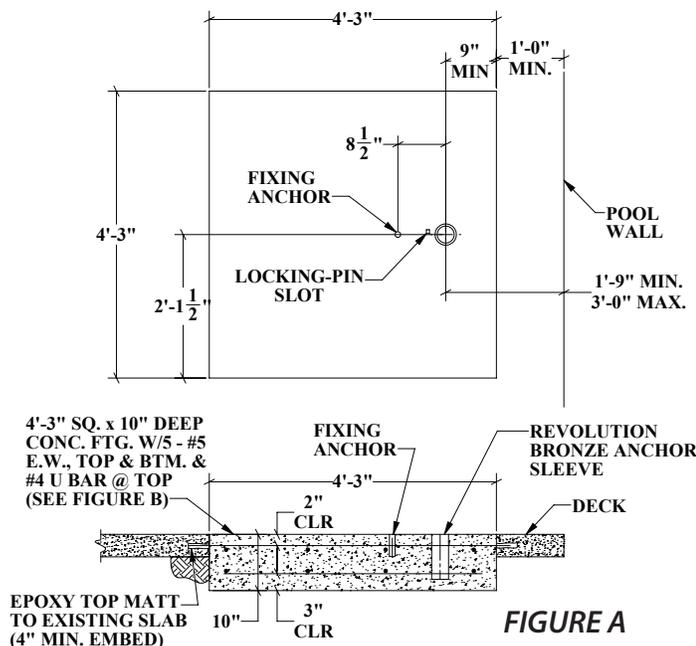
You may need to saw cut and remove a portion of an existing pool deck in order to achieve the 10 inch depth footing requirement. Aqua Creek does NOT recommend a core drill installation for this lift.

To properly install this anchor, you will need to have a concrete footing comprised of 2500 psi concrete that is 10 inches deep and 4 feet - 3 inches square and reinforced with rebar. Refer to Figures A and B below.

If cutting into an existing pool deck, the rebar must be drilled and secured to the surrounding pool deck on three sides (do not secure into bond beam). The centerline of the anchor should be no less than 9 inches from the edge of the footing.

NOTE: The anchor setback will vary depending on application and any options you choose for the lift. 16 inch setback is the minimum for ADA compliance however, given a typical 1 foot bond beam and the fact that the anchor should be no closer than 9 inches to the edge of your footing, 21 inches may be the closest you can achieve. The chart below outlines the minimum and maximum anchor setback locations for the available options based on this premise. Also, some attachments will de-rate the lifting capacity of the lift. Refer to the attachment manual or spec sheet to check for changes in lifting capacities.

1. Determine the location for the anchor based on the options you are ordering or think you may order in the future and set the anchor in place. You may use a small mass of wet concrete to set the anchor in place. Use a level and string lines to make sure the anchor is perpendicular and will be flush with the top of the finished deck surface.
2. Bond the anchor according to local code requirements using the bonding lug on the bottom of the anchor. Reference the National Electric Code (NEC) Article 680.26 for specifics on bonding.
3. Pour the concrete so that the top of the anchor will be flush with the FINISHED pool deck surface.
4. Once the concrete has cured, the lift can be put into place.



ITEM NO.	OPTION	MIN	MAX
F-730RSA-S2	GURNEY	21"	32"
F-706RLSS	SLING SEAT	21"	24"
F-734RSA	SPINE BOARD	21"	34"
F-705-S2	WHEELCHAIR ADAPTER	21"	34"

ADA Fixing Insert Installation (Commercial Applications)

1. We recommend installation of the fixing insert after the concrete has cured and you are ready to install the lift into the anchor.
2. Place the main assembly in the anchor. **DO NOT LIFT THE MAIN ASSEMBLY BY USING THE ELECTRIC RAM AS A HANDLE.** If the transport cart was ordered with the lift, it can be used effectively here. If not, use two people.
3. Mark the location for the fixing anchor hole and remove the lift. (see pg 4, FIGURE A)
4. Drill the hole with a 1 1/4 inch core drill or roto-hammer to a depth of about 4 1/2 inches.
5. Clean the hole out and make sure it is dry. Thread the 1/2 inch bolt into the top of the PVC fixing anchor and test fit to verify it can be mounted perpendicular. See Step 1 below.
6. Using a two part construction epoxy, fill the hole approximately half full and carefully insert the PVC fixing anchor into the hole, twisting as you push down to evenly spread the epoxy.
7. Allow the epoxy to cure before securing the lift.
8. Re-install the lift into the anchor and using the 1/2 inch bolt and washer, carefully thread into the installed anchor until snug. **TO PREVENT BREAKING THE FIXING BRACKET, DO NOT OVERTIGHTEN!**

