

# RESCUE™ Containment System

Engineered by **QUICKCABLE**

## Battery Room Containment System Installation Instructions

For complete video instructions visit [QuickHowTo.com](http://QuickHowTo.com)

keyword: containment

### Safety and Cautionary Statement

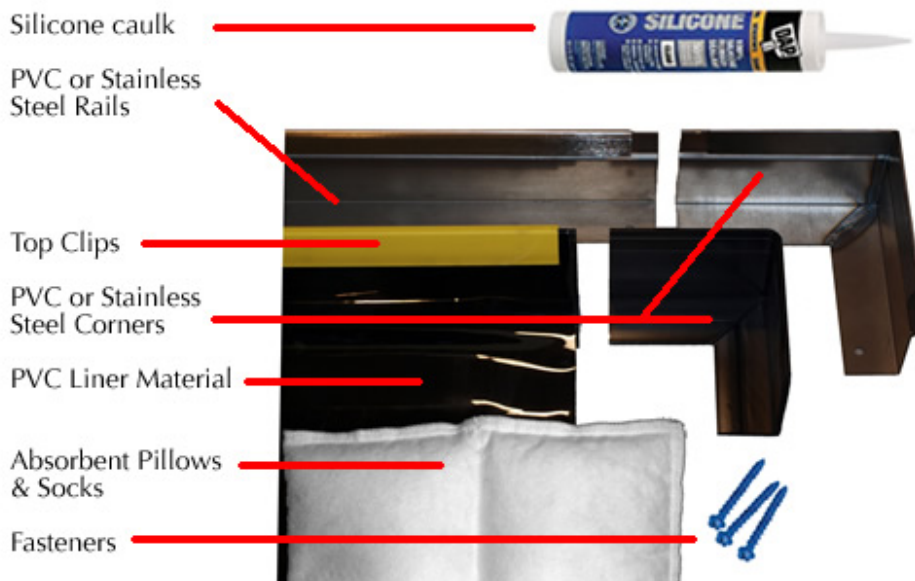
Installation of a Containment System should be performed by an experienced installer. Contact your distributor or dealer for a qualified technician to install your containment system. Be sure floor is clean and free of all debris before beginning installation. Be sure to specify containment system at least 2" outside rack perimeter. Spacing of aisles around the containment system should be in accordance with the NEC Article 110-16 and allow for battery replacement. Be sure to follow all other local and state codes for installation.

### To properly install RESCUE containment systems you will need:

- Hack saw or Miter saw
- Electric hammer drill with 5/16" nut driver
- Chalk Line Reel
- Straight Edge
- Tape Measure
- A Utility Knife
- And a Caulk Gun

### PARTS LISTING

Before installation, check to verify parts. If any of these parts are missing, contact your dealer immediately for replacement.



### Step 1: Measuring for containment system.

Begin by measuring the length and width of the battery rack system that will go inside the containment system.

Mark the footprint of the rack's intended location on the floor. The footprint is the outer most part of the rack, not necessarily the feet or base plates.

Mark the outside perimeter of the rack and increase it by at least 2" in all directions.

Mark new perimeter using chalk line reel

Mark the rack center on all 4 sides using a chalk line reel. Allow chalk line to extend past the perimeter by at least 8 inches.



### Step 2: Laying down the PVC Liner

Next, Lay the PVC Liner in position. Make certain you have a minimum of 6" of (overrun) liner outside the marked perimeter.

Mark the center of the liner with a chalk line reel. Remove the PVC liner to begin forming the containment box.



### Step 3: Forming the containment box

Position the PVC Corners with the short side facing the floor and facing inward.

With Electric hammer drill and masonry bit provided, drill pilot holes and anchor corners to floor with fasteners.

Position rails between corners.

Cut PVC rails with miter saw if necessary for snug fit.

Anchor rails to floor using fasteners.

Once the containment box is formed, seal joints with silicone adhesive



#### Step 4: Folding liner into box

Lay the PVC liner back into position using chalk lines

Fold one long side of the liner to the inside of the rail, allowing at least 2 inches of overlap on the outside of the rail.

Fold liner at a 45° angle at the corner, making sure that all the edges of the liner fold over the rails.

Place clips over the rails, holding the liner up over the containment rail.

Repeat over the opposite side of the containment system.

Finally fold liner and place clips over the rails on the remaining sides.

Trim excess liner using utility knife.



#### Step 5: Installation of Battery Racks

Once the Corners, Rails, liner and clips have been assembled carefully place the battery rack onto the containment system and attach according to the manufacturer's specifications.

Seal edges of the battery rack and bolts with silicone adhesive.



## Step 6: Installation of Pillows and Socks

After Batteries are placed in the battery rack add absorbent pillows and socks.

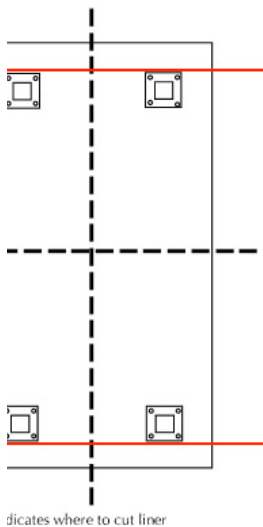
Within the containment system, place the pillows in close proximity to each other, overlapping if necessary.



## RESCUE™ Liner Repair

The Rescue™ Liner repair kit includes PVC liner material and general purpose web spray adhesive.

1. Remove pillows and socks from vicinity of the liner area to be repaired.
2. Clean around damaged area with Quick Cable's Non-Ammonia Glass Cleaner using paper towels or dry cloth.
3. Measure the damaged area and cut patch liner material to fit over area to be repaired
4. Apply adhesive spray over both the cut section and the damaged liner. Be sure not to overspray
5. Carefully apply patch over the damaged liner and press patch firmly into place.
6. Let dry for 5 minutes and replace pillows.



indicates where to cut liner

## Instructions for installing containment system around an existing battery system

1. Mark the location of the rack center on the floor. Then mark the center of the liner.
2. Starting from the center point, use tape measure and straight edge to determine footprint location and dimensions. Transfer to liner.
3. Cut out footprint area in the liner barrier. (Be sure to cut "pull through" slots)
4. Position the liner correctly under and around the rack and rack footprint.
5. Cut the liner material to fit. Use extra patch liner material provided to seal cut sections of the liner barrier.
6. Spray adhesive over the patch and cut sections.
7. Apply patch over cut sections. Repeat (5-7) for other base sections.
8. Apply silicone caulk to seal the gap between the rack base and the liner material.
9. Use a putty knife to flatten silicone caulk, making joint secure.
10. Apply caulk to seal anchor bolts.
11. Let liner barrier sit for at least 3 hours.
12. Follow instructions in this manual starting with Step 1 to complete installation.

For more videos on RESCUE Spill Containment Systems, visit [QuickHowTo.com](http://QuickHowTo.com)