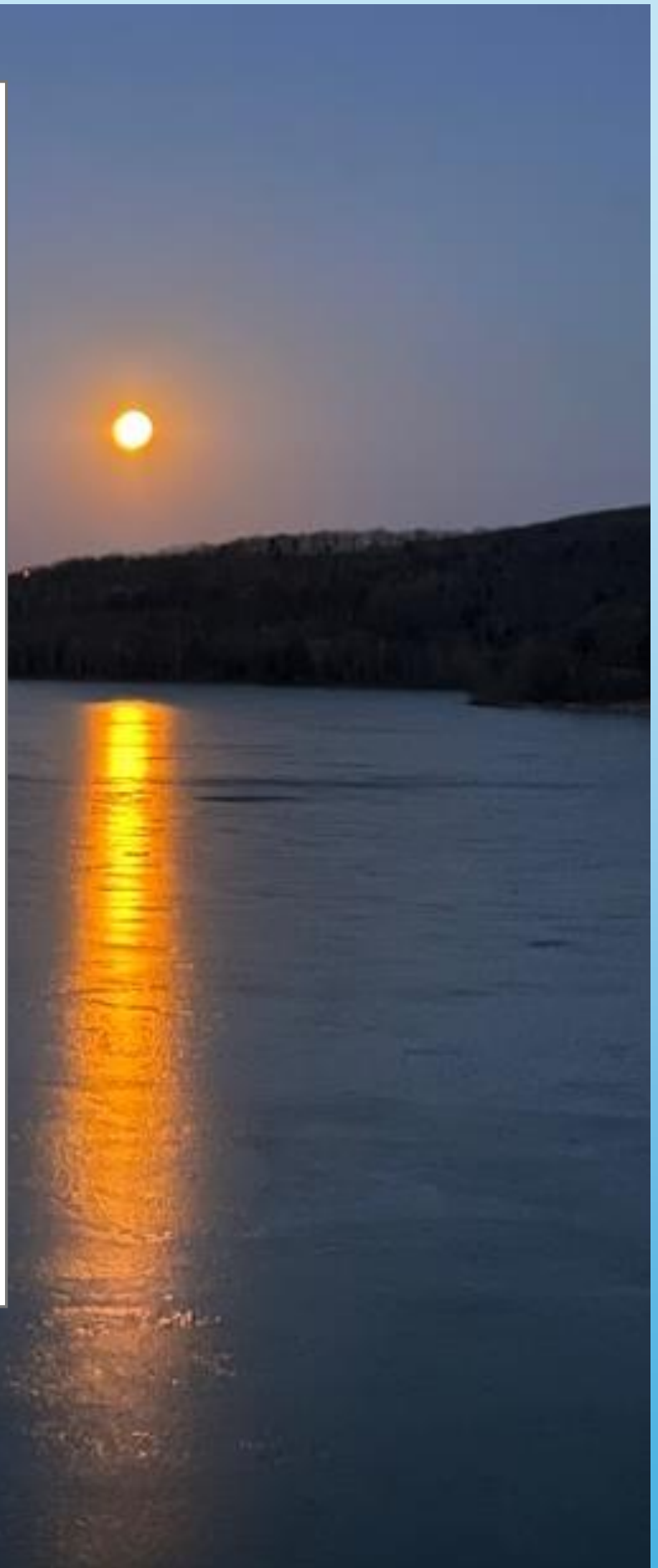




Zebra Mussel Settlement Plate Assembly Instructions

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Zebra Mussel Settlement Plate Assembly

Instructions

Overview

This guide explains how to assemble a zebra mussel trap using PVC plates, a central eyebolt, spacers, hardware, and a lifting eye for secure assembly and deployment.

Pre-Assembly Preparation

1. Take your 10' stock of 1/2" PVC pipe.
 2. Using a measuring tape and marker, measure and mark:
 - Five pieces at **15/16"** each (Part C)
 - One piece at **13/16"** (Part E)
 3. Cut the PVC at the marked locations using a saw suitable for PVC.
 4. Deburr or sand the edges lightly to remove any sharp edges.
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Parts List

- A) Quantity: 1 — 1/2" × 10" zinc-plated eyebolt
 - B) Quantity: 5 — 6" × 6" × 1/8" square rigid PVC plates with 9/16" center hole
 - C) Quantity: 5 — 1/2" diameter PVC spacers (15/16" length)
 - D) Quantity: 11 — 1/2" stainless steel USS flat washers
 - E) Quantity: 1 — 1/2" diameter PVC spacer (13/16" length)
 - F) Quantity: 1 — 1/2"-13 threaded lifting eye
 - G) Quantity: 1 — 1/2"-13 zinc-plated lock nut
 - H) Quantity: 2 — 5/8" spring snaps
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Tools Required

- 3/4" wrench (Box End)
- Tape Measure
- Chop Saw with Fine Tooth Blade
- Proper PPE

Assembly Steps

Step 1: Prepare the Plates

- Place the PVC plates flat on a stable surface
 - Ensure the center holes are clear
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Step 2: Insert the Eyebolt with Bottom Spacer

- Slide **1 × 15/16" PVC spacer (Part C)** onto the eyebolt
 - Add **1 washer (Part D)** on top of the spacer
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Step 3: Insert Plate and Continue Stack

- Insert the eyebolt through the center hole of the **first PVC plate (Part B)**
 - The spacer and washer now sit **below the plate**
 - Add **1 washer** on top of the plate
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Step 4: Build the Remaining Spacer Stack (Including Plates)

- Continue stacking upward in this repeating order, making the plates part of the stack:
15/16" spacer → washer → plate → washer → 15/16" spacer → washer, until all remaining **four PVC plates and four long spacers (Part C)** are used
 - Ensure washers separate each spacer and plate
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Step 5: Install Final Spacer Section

- After the long spacers and plates are installed, add:
 - 1 washer
 - 1 shorter spacer (13/16", Part E)
 - 1 washer
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Step 6: Install the Threaded Lifting Eye

- Thread the **lifting eye (Part F)** onto the shaft
 - Tighten until it sits firmly against the top washer
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Step 7: Secure with Lock Nut

- Thread the **lock nut (Part G)** above the lifting eye
 - Tighten firmly using the 3/4" box-end wrench
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Step 8: Attach Spring Snaps

- Secure both **spring snaps (Part H)** by attaching **one to the eyebolt and the other to the lifting eye**
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Final Inspection Checklist

- All washers, spacers, and plates are aligned and evenly stacked
 - Eyebolt is centered
 - Lifting eye is tight and properly seated
 - Lock nut is secure
 - Spring snaps function correctly
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Deployment Notes

- Attach rope or cable to the **eye**
- Use spring snaps for quick connections if needed
- Lower trap into water at desired depths and inspect as needed

Assembled Trap:



Custom PVC Plates Purchased at:
www.interstateplastics.com

