

**OPERATION, MAINTENANCE & REPAIR INSTRUCTIONS**

**FOR**

**GENERAL PURPOSE BOOM  
MK RB**

 **SLICKBAR**

**18 Beach Street, Seymour, Connecticut 06483 U.S.A.  
Ph: 203-888-7700, 800-322-BOOM(2666) • Fax: 203-888-7720  
EMAIL: [info@slickbar.com](mailto:info@slickbar.com) • WEB: <http://www.slickbar.com>**

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# **OPERATION**

## **1. ATTACHING BOOMS TOGETHER**

When attaching two sections of boom together, make sure that both toggle pins are securely installed through connectors

- One 3" above w.l. and 12" below w.l.
- One at last hole on bottom end of connector

## **2. ATTACHING TOW BRIDLE TO END CONNECTOR.**

- Each tow bridle will connect to the end connectors with the provided toggle pins.
- If the tow bridles connector is shorter than the booms' end connector, simply slide the bridle's connector and align the water line holes. Waterline hole is the second hole from top.

3. When the boom is being towed into position, the Tow bridle and boom should be floating on the surface of the water, minimum 25' (7.6m) to 50' (15m) behind the vessel.

4. Two Anchor Eyes are located on each connector. These eyes are designed for proper surface anchoring of the boom.

These Anchor Eyes are **NOT** designed for Towing or Lifting.

# **MAINTENANCE**

## **PROPER CLEANING**

- A. Each section of boom should be properly cleaned after each use
- \*Use non-abrasive detergent - i.e.: "Simple Green" - diluted as required
  - \*Use soft bristle brush
  - \*Hot steam washers are not recommended due to possibility of damaging fabric
  - \*Pressure washers should be regulated not to exceed 1000 psi
  - \*Solvents, such as M.E.K. (methyl ethyl ketone), and other similar solvents are not recommended as an all-purpose cleaning agent, except under certain conditions. (See repair instructions.)

<p>Maintenance schedules can not be determined on a time basis; i.e., 3, 6 or 12 months, but rather on a usage basis. In other words, maintenance should be performed each time the boom is utilized in spill response and/or exercises.</p>
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## **PRIOR TO STORING BOOM**

- A. Insure that the boom is properly cleaned and dried. The flotation tube that contains the floats is designed and manufactured to be watertight. In the rare event, such as when being towed or kept in the water for a prolonged period, water may enter the chamber, cut a 1/4" (6mm) slit in the fabric at the top of the boom parallel to the axis of the boom near the connector at the end where the water has accumulated. This will allow the water to escape.
- B. Check the following:
- Check for presence of toggle pin assembly at each connector.
  - Check fabric for any possible damage, Repair any damage before storing boom. See attached "Repair Procedures".
- C. Boom should always be stored in adequate storage facilities with a temperature below 40° C to ensure that it will last. (Take out of "shipping only" boxes that they will arrive in).

## **MK RB 7/8 STYLE BOOM GENERAL REPAIR KIT PARTS LIST**

The Repair kit consists of all the necessary items to repair or replace one segment of the oil boom. Each repair kit is designed according to the overall size of the containment boom. Parts of the Repair kit are sold separately, however please specify the overall size of the containment boom to be repaired.

### **PART A – (Items for Float Replacement)**

- 2 ~ MK 6 Connectors (with hardware)
- 4 ~ 1/4" Cable Clips

### **PART B – (Items for Patching Skirt)**

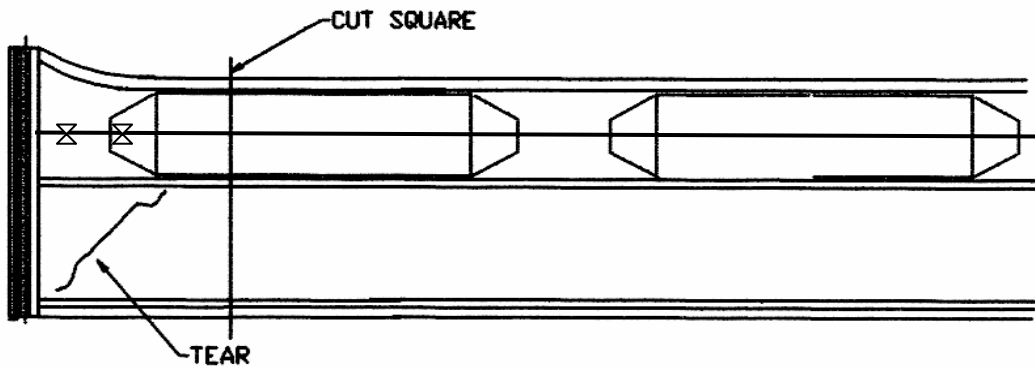
- 1 ~ 5 foot (1.5m) x Full Width Fabric Material (Please specify type of material, i.e. PVC or Urethane)
- 1 ~ Can Fabric Adhesive
- 1 ~ Brush
- 1 ~ Roller

### **PART C – (Items for Ballast Replacement)**

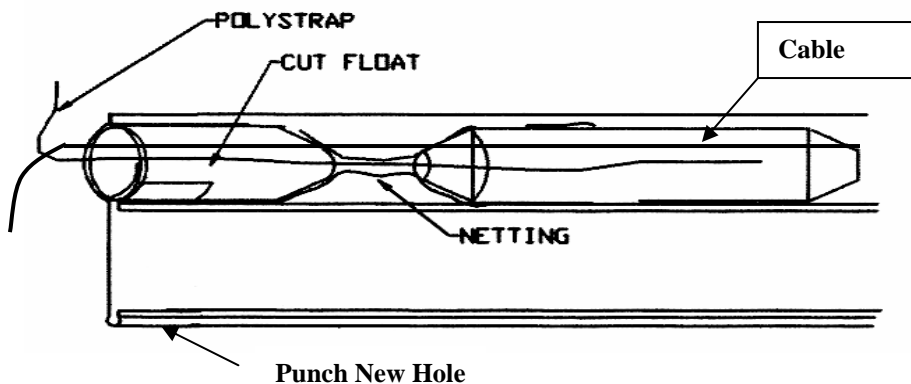
- 1 ~ 5 foot (1.5m) section of Chain and two (2) Quick Links (Please specify size of chain)  
or
- 20 ~ Pairs of Lead Ballast Weights

# REPAIR PROCEDURES

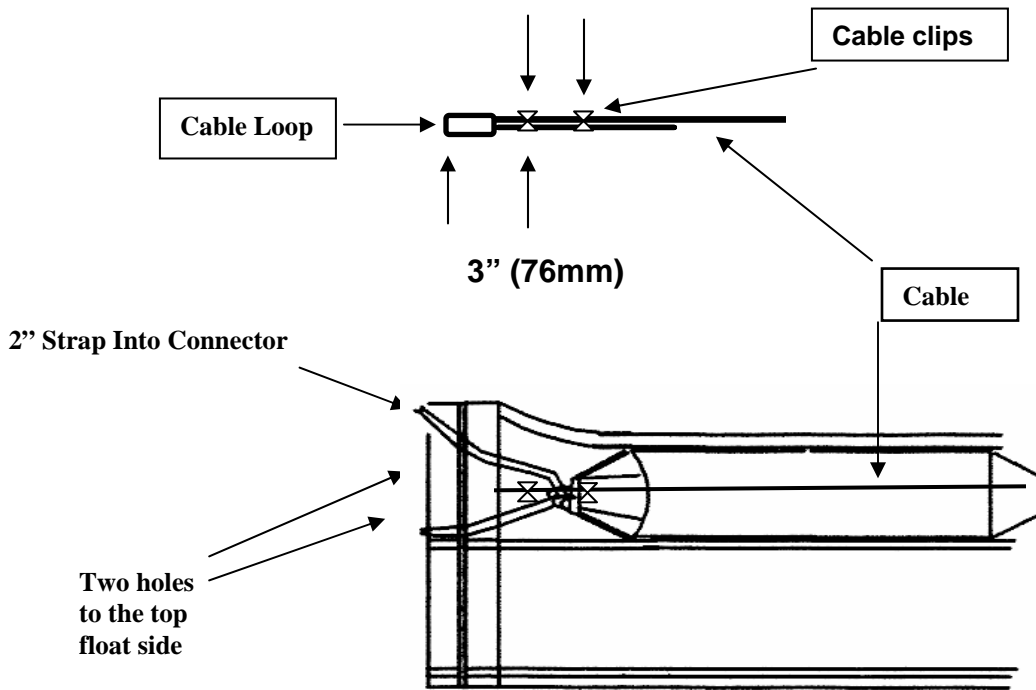
**Situation #1.** Boom rips close to one of the ends.



- Cut off as little of the boom as possible



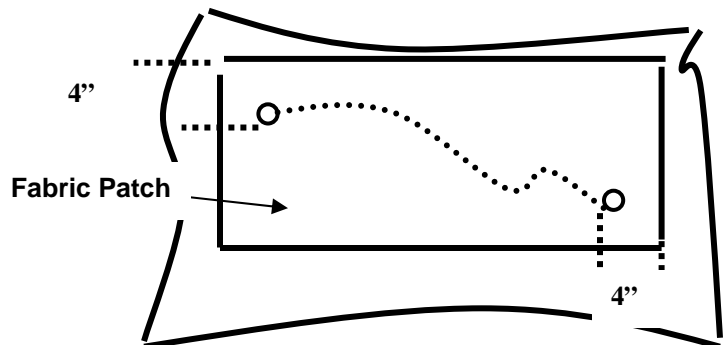
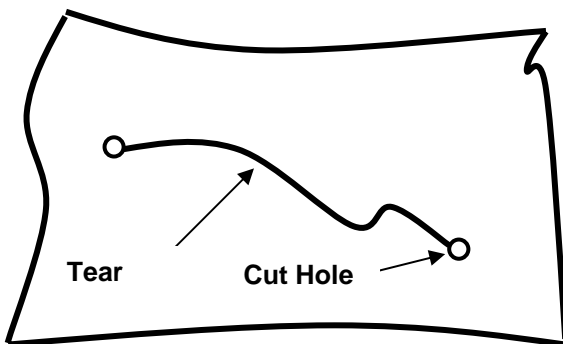
- Cut off float or eliminate float by reaching inside float chamber from cut off end
- Slit opposite sides of the tubular netting to have 2 "tails"  $\approx 12"$  (300mm) long.
- Tie polystrap and netting into one knot enclosing the end of float.
- Slip a piece of 2" (50mm) wide fabric behind knot.
- Cut cable 7" (177mm) beyond end of boom
- Place first cable clip 3" (76mm) from end of loop
- Place second cable clip 2" (50mm) from the first



1. Push float and chain back out of way and punch new hole for shackle 3" (76mm) from end of boom in middle of chain pouch.
2. Use old connector to layout and punch holes in fabric end.
3. Cut the chain assembly equal to the new hole in chain pouch. Reinsert shackle.
4. Install connector making sure 2" (51mm) straps are in it and two toggle pin holes are on top of boom (float side).
5. Be careful not to put connector on upside down.

**Situation #2. Vertical/Horizontal tear on fabric**

- Punch or cut 1/4" (6mm) diameter hole at each end of tear to prevent further elongation of the tear.



- **Cut a piece of fabric at least 4” (100 mm) wider than its closest edge to tear).**
  - **Clean with Solvent cleaner (M.E.K.).**
  - **Apply fabric adhesive (HH-66) and clamp. (Continue same procedure as for situation #1.)**
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