

# **HARKEN®**

## **INSTRUCTION SHEET**

### **Jib Reefing & Furling Rollpin Replacement Kit**

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#### **Supplies Included**

Rollpins  
Loctite® 277 (Red)  
Wood Support Block  
Flushing Punch  
Loctite® Primer "N" (HFG395)

#### **Supplies You Need**

Paper Towels  
Hammer  
Center Punch  
Vice-Grip-type pliers  
Rollpin Punch (available from Sears:  
3/32" for #1, 1/8" for #2)

#### **Checking Joints**

1. Take headstay down and remove lower drum assembly and feeder.
2. Recess threaded stud into bottom foil to allow room on wire to take joints apart for re-gluing. If you have a Norseman®, Sta-lok® or Navtec® terminal, take bottom joint apart as directed below to allow space on wire to separate foils.
3. Support joint area in the Wood Support Block (included). Use a Roll Pin Punch to drive pin out or pound new rollpin half-way into foil, to push old pin out half-way.
4. Pull both pins out of foil using vice-grips or pliers.
5. Try pulling foil sections apart. If they come apart, foils need to be re-glued to connectors.

*Continued*

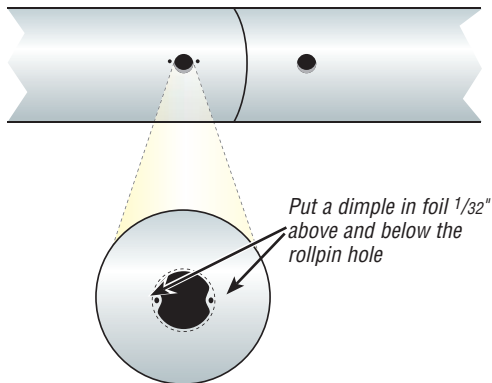
## Gluing Joints

If furling system has been stored in a horizontal position, make sure inside of foils are dry. If they are wet, carefully use a hand-held propane torch to dry them.

1. Coat connector and inside the foil where you can reach with primer "N".
2. Wait 5 minutes then re-glue the joint by liberally coating the connector with red Loctite® 277 then push it into foil.
3. Place the Wood Support Block under the foil and align the roll pin holes. Coat a new rollpin with Primer "N" and then with Loctite® 277 and pound into place. Use Flushing Punch (supplied) to make the rollpin flush.
4. Check other joints and re-glue as necessary.

## Locking Rollpins

1. Place the Wood Support Block under the foil. Put a dimple in foil  $1/32"$  (1 mm) above and below the rollpin hole using centerpunch (**do not use Flushing Punch**) to lock rollpin in place. Please see drawing at right.
2. Continue this procedure and lock each rollpin that you have reglued.



## Preventing Rollpin Failure

It is important to keep headstay tight so unit furls in column, not elliptically. If headstay is not tight, joints may loosen and rollpins may come out. Tighten headstay by adjusting the turnbuckle in the furling unit as necessary. Consult furling manual for instructions.