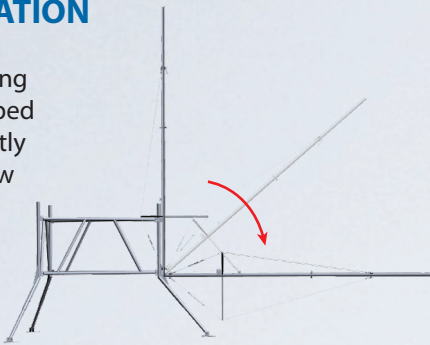




Fixed RAWS: RM Young Wind Monitor Setup Guide

1 ▶ PREPARATION

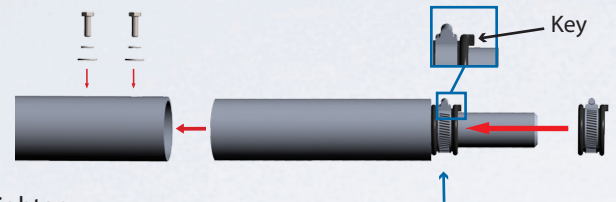
Remove 4" pinning bolt from U-shaped bracket and gently lower mast. Allow mast to ride in horizontal plane supported by its safety cable.



In an ideal situation, the tower mast will be aligned to true north.

2 ▶ RM YOUNG MOUNT

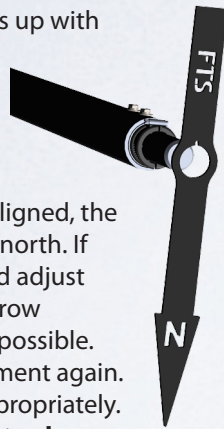
Insert RM Young mount into the end of the top mast section. Align bolt holes, insert bolts, and tighten.



Slide orientation ring onto mount as indicated. **Ensure key on ring points perfectly upwards**, and snug the hose clamp but **DO NOT tighten yet**.

3 ▶ RM YOUNG ORIENTATION

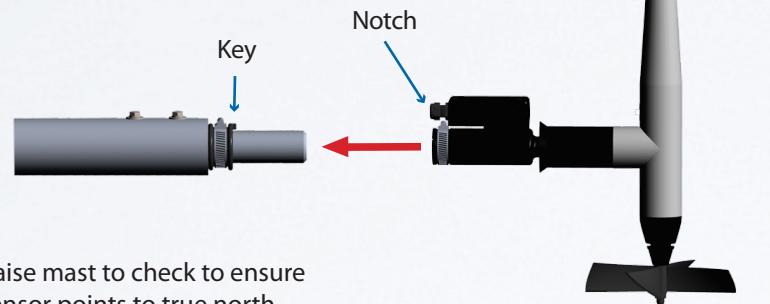
Slide the north arrow onto mount as indicated, and ensure the key lines up with notch in north arrow. Raise mast, and using compass determine if arrow points to true north.



If the tower mast is not properly aligned, the arrow will not be oriented to true north. If this is the case, lower the mast and adjust orientation ring key to position arrow pointing as close to true north as possible. Raise mast and check north alignment again. If necessary, repeat and adjust appropriately. After orientation is complete, **tighten hose clamp and remove north arrow**.

4 ▶ RM YOUNG WIND SENSOR

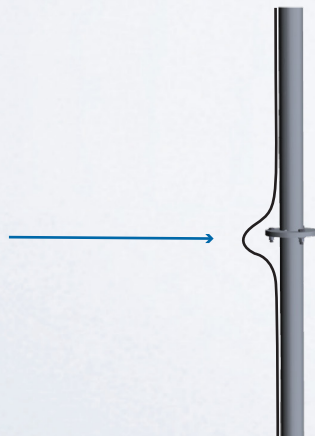
Install the propeller on the shaft with the serial number facing into the wind, and secure with plastic nut. Slide RM Young onto the mount, and align notch at instrument base with orientation ring key. Snug instrument hose clamp.



Raise mast to check to ensure sensor points to true north.

5 ▶ SENSOR CONNECTIONS

Connect cable to RM Young wind sensor. Using plastic ties, lay out and tie cables along mast, tying every several feet. Ensure the cable loops over the mast union as indicated in order to prevent chaffing and damage.



6 ▶ RAISE MAST

Raise mast, apply grease to pinning bolt and secure with lock nut. Refer to diagram on right for additional comments on cable layout.

