

Installation Guide for HP3 & HP4 ANTENNAS

with Cast Mount



an INFINIT[®] company

IMPORTANT!

Please read instructions through completely before beginning installation. Caution should be used. Qualified persons experienced with antenna assembly and installation are required for installation.

DISCLAIMER

Radio Waves Inc. disclaims any responsibility or liability for damage or injury resulting from incorrect or unsafe installation practices.

Your HP3 or HP4 Antenna shipped to you in one crate containing the following components:

1. Antenna Assembly
2. Antenna Mounting Kit

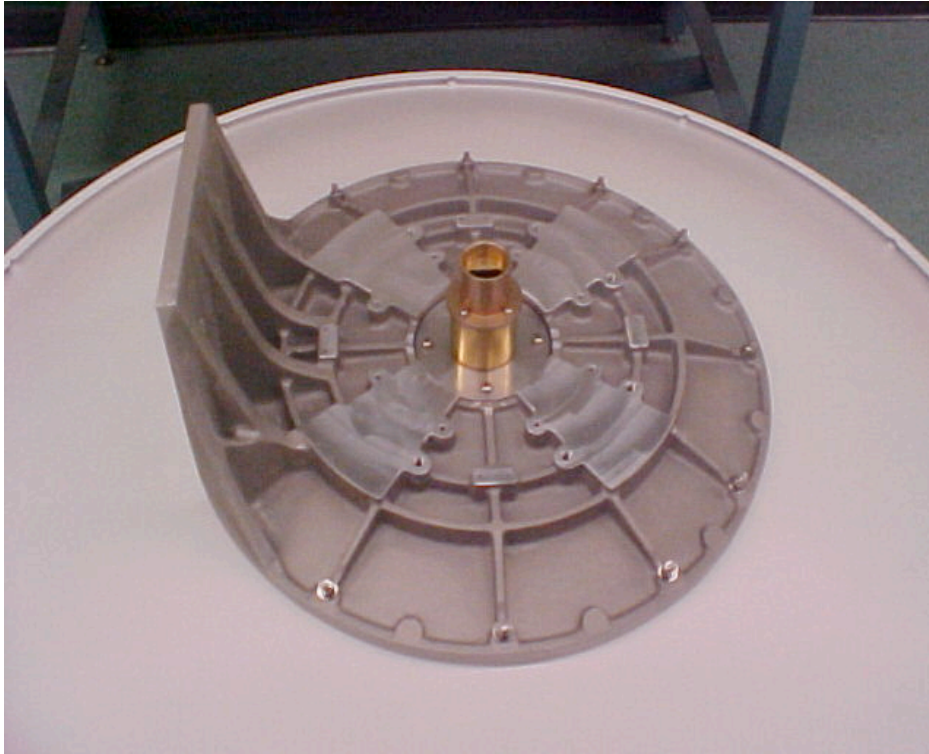
NOTE: Options and accessories are shipped separately and include separate installation guides. Check the packing slip.

You will need the following tools to complete the assembly of the antenna at the site:

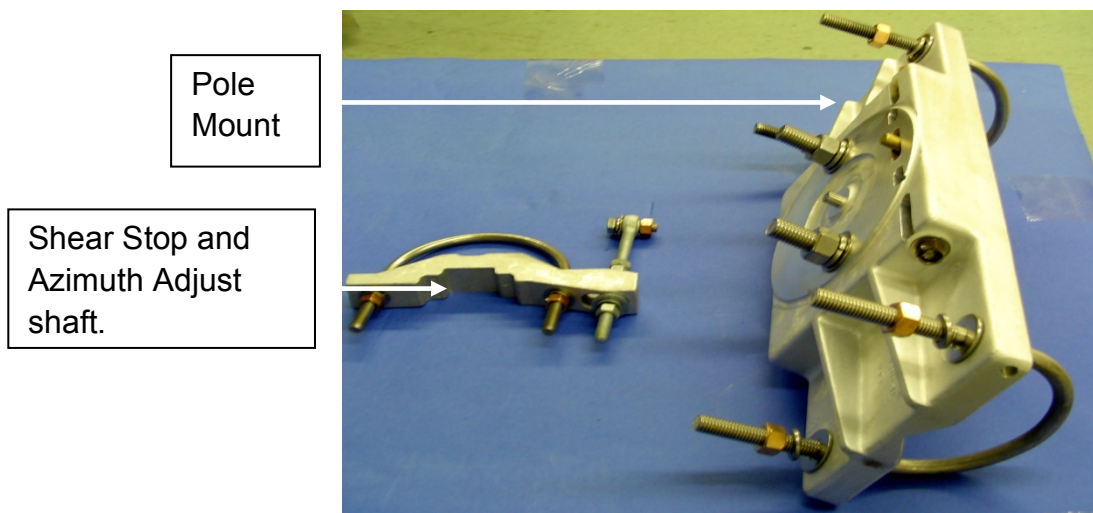
1. $\frac{3}{4}$ " Open/box wrench or socket wrench
2. 15/16" Open/box wrench or socket wrench
3. 9/16" Open/box wrench or socket wrench
4. Adjustable Wrench
5. Torque Wrench with appropriate sockets

NOTE: The pictures provided in this document are for illustrative purposes only and may not be identical to your antenna system.

Three or Four Foot Reflector with Cast Mount



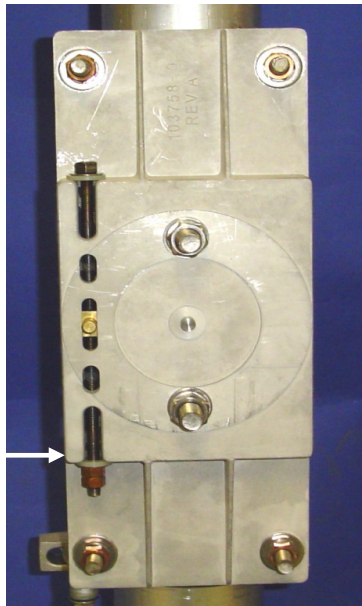
The Mounting Assembly:



Offsets:
Right

Left

WARNING:
Use No
Wrench



WARNING:
Use No
Wrench

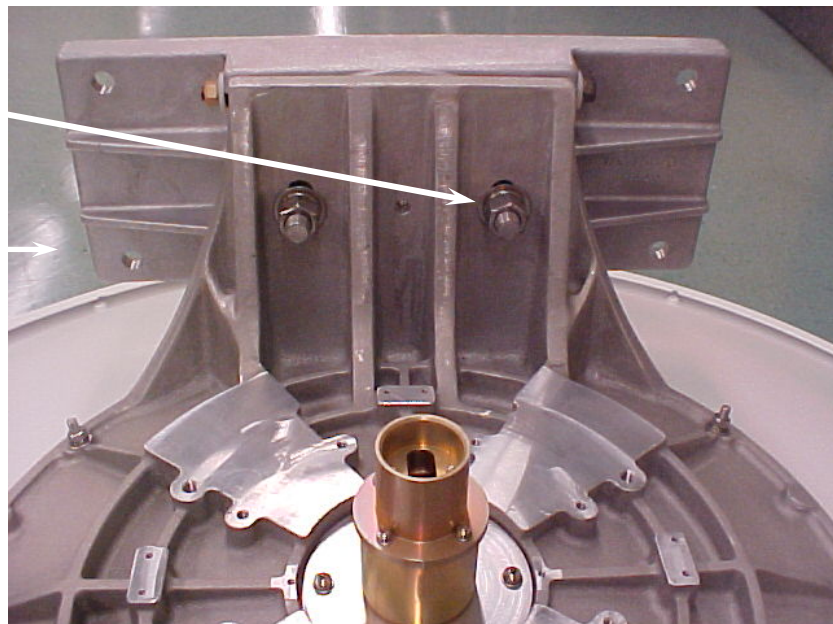


1. Install Pole Mount

NOTE: From this point forward, Right Hand Offset is shown.

5/8 Nuts, Flat Washer,
Lock Washer, 2X

Pole Mount



Feed Orientation: If Plane Feed has been ordered, the factory default is Vertical Polarization. Refer to supplemental instructions to adjust the feed to horizontal polarization.

2. Attach Shear Stop to 4.5" OD Pole

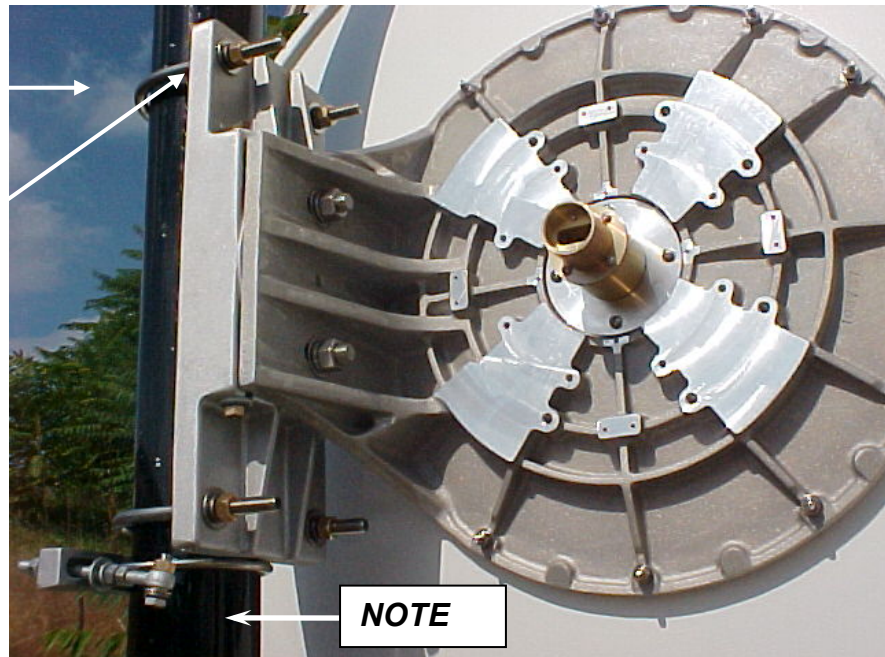
Tighten Securely,
3/8 Nut Lock
Washer, Flat
Washer, 4X SS



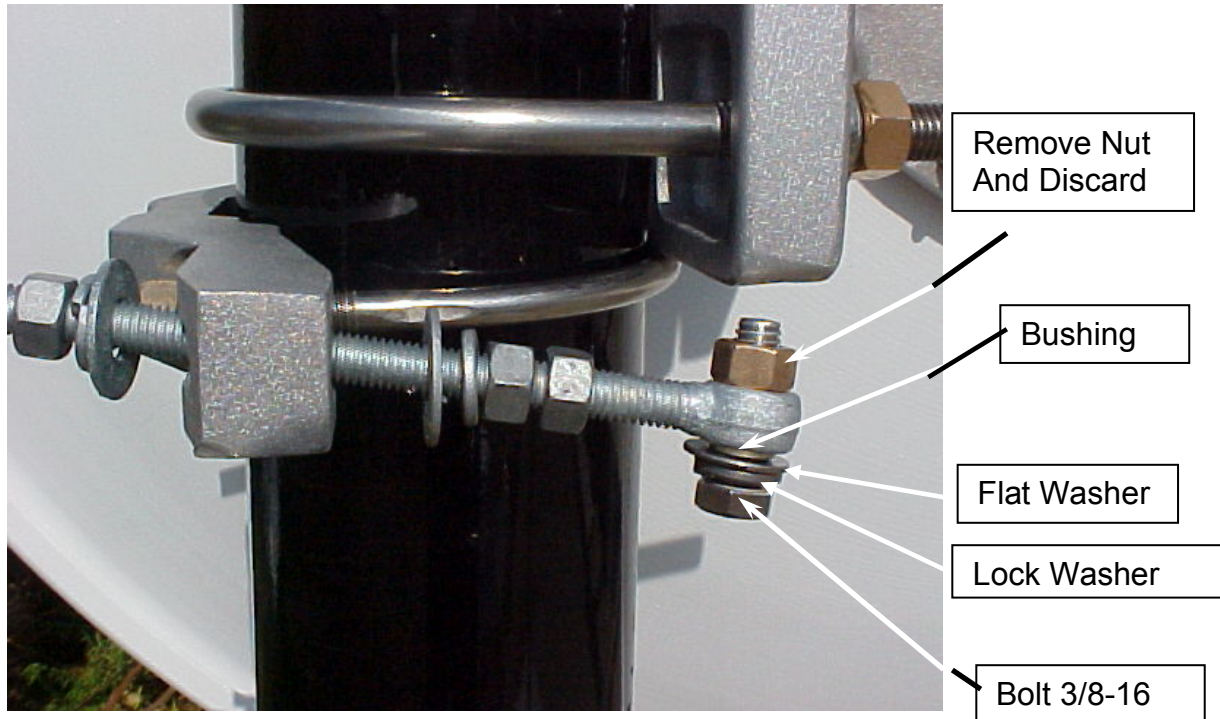
3. Fasten antenna and mount to the pole. Note that the pole mount rests on the shear stop U-bolt.

1/2 U- Bolt
1/2- 13 Threads

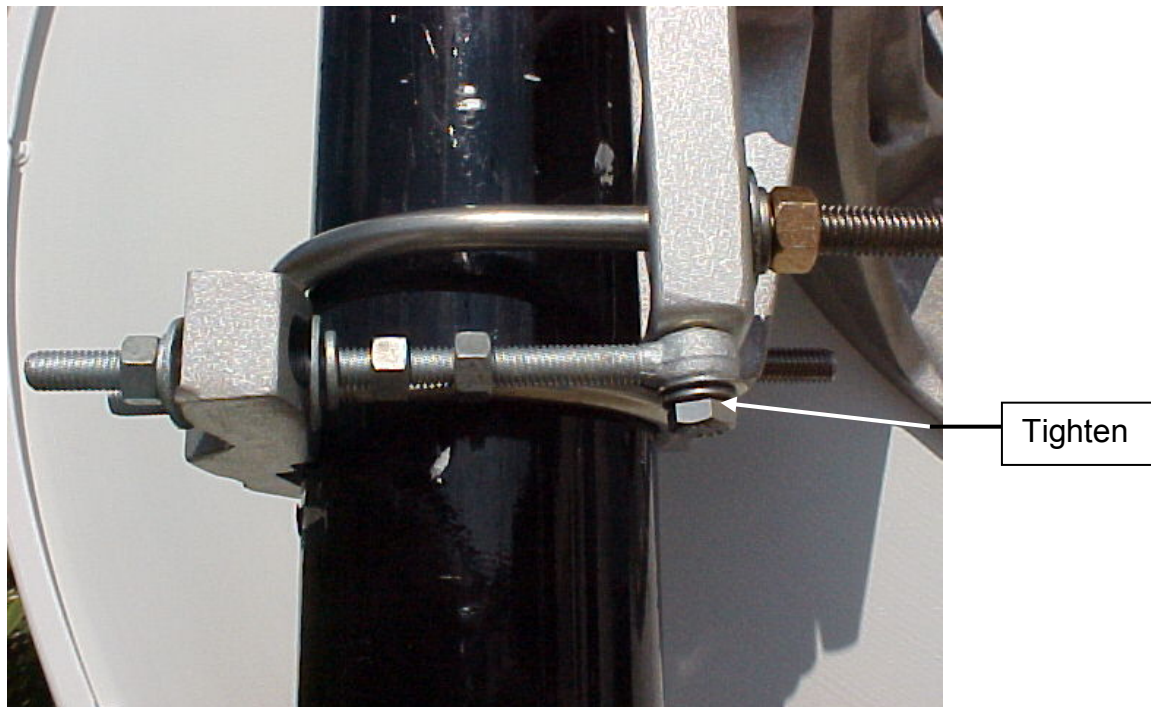
1/2" Nut, Lock
Washer, Flat
Washer, 4X



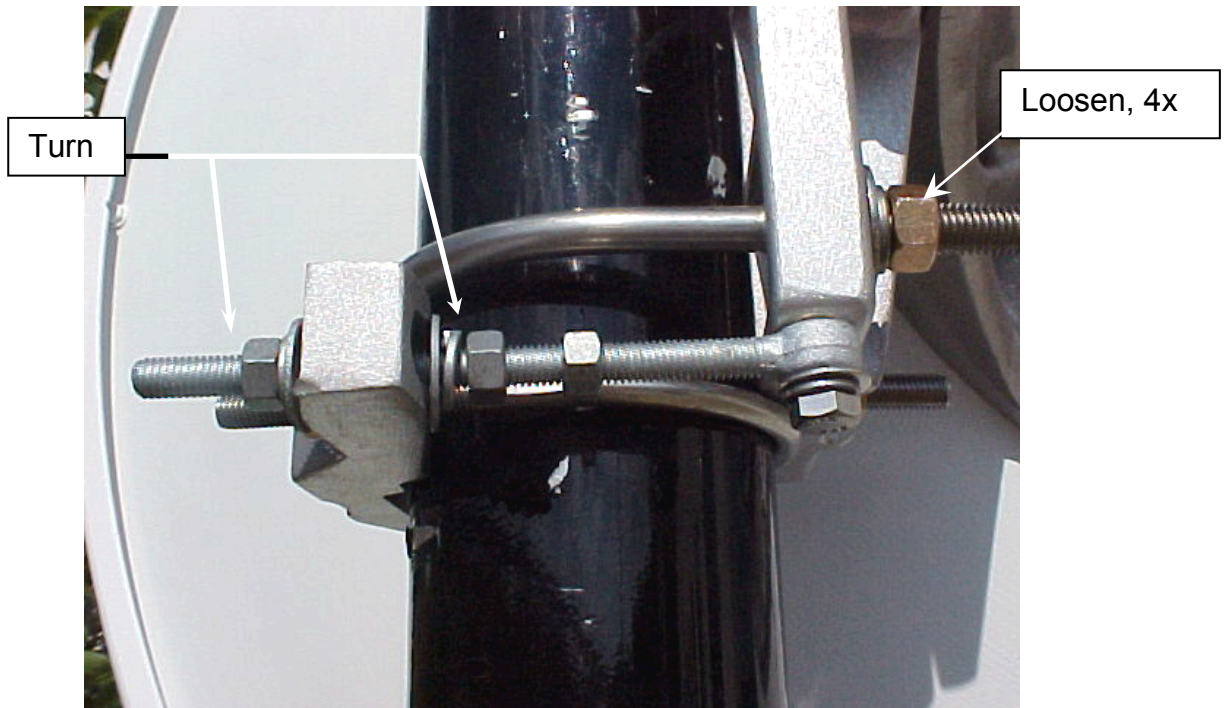
4. Remove Nut. Do not lose bolt and bushing!



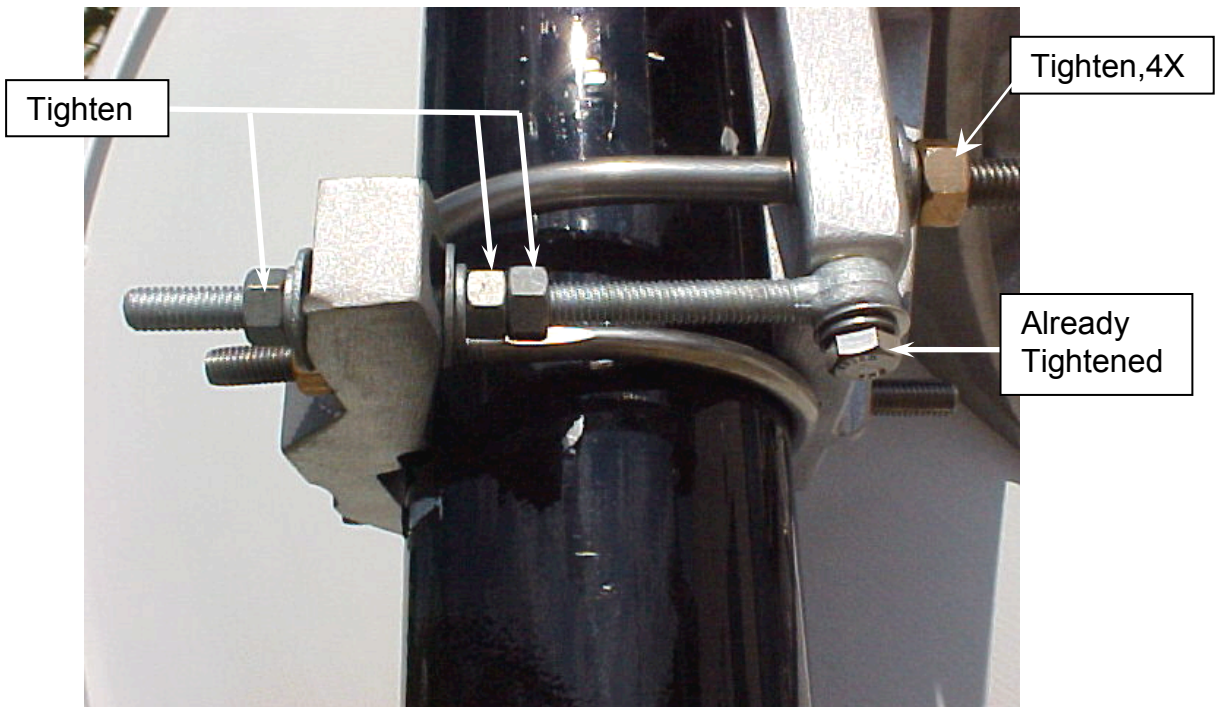
5. Install Bolt and Hardware



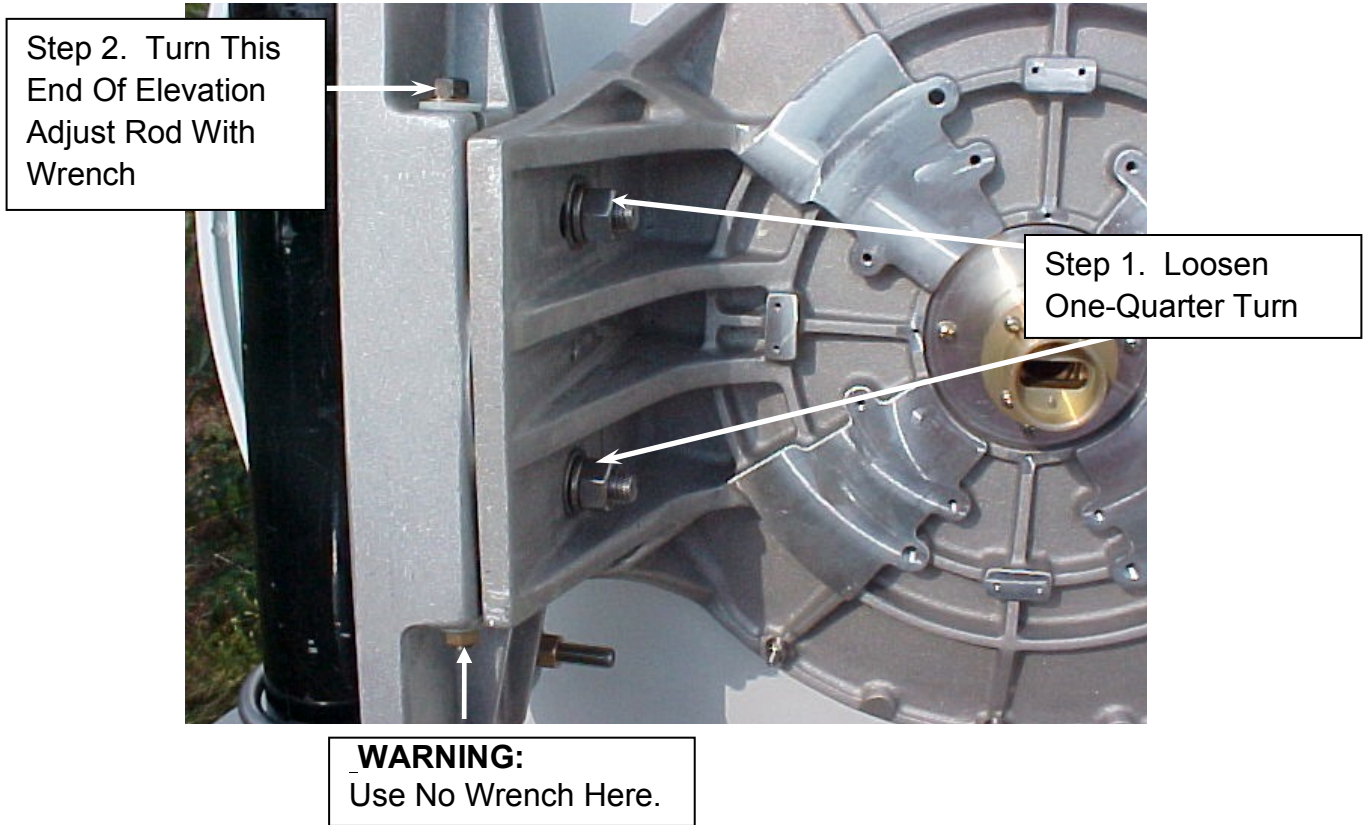
6. Adjust for Azimuth.



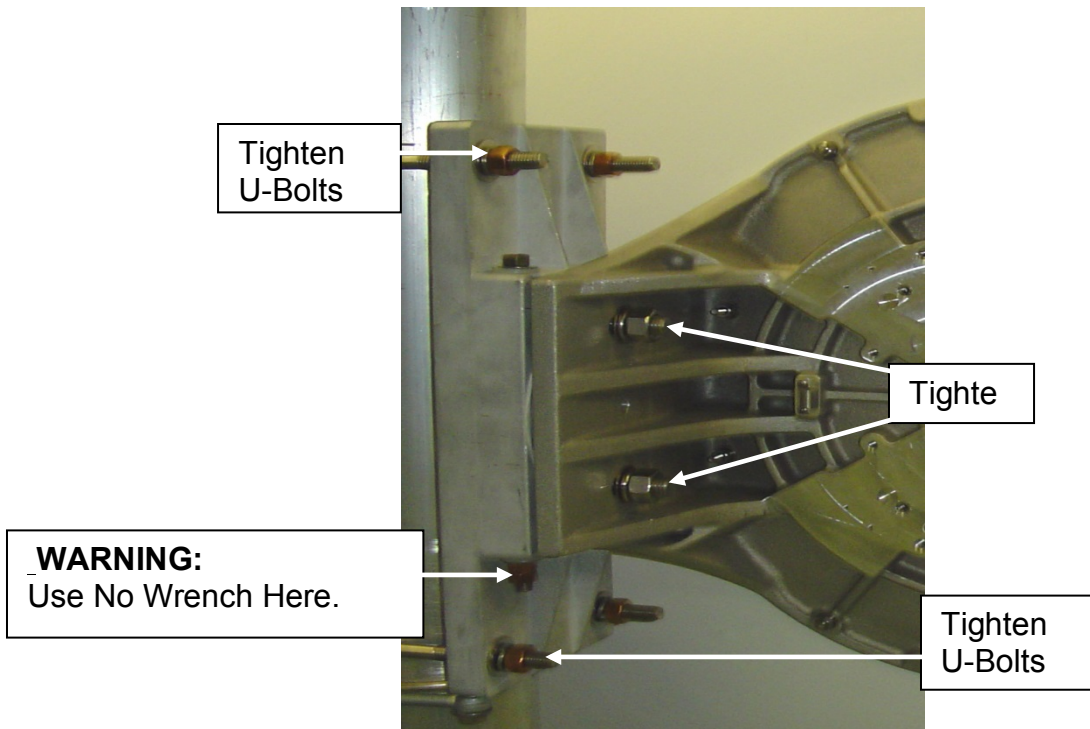
7. Set Azimuth Adjustment.



8. Elevation Adjustment



9. Tighten all hardware using torque specifications below:



Torque Specifications

Nominal Bolt Size (Inches)	Nut Torque
1/4	50 in-lb
5/16	102 in-lb
3/8	15 ft-lb
7/16	24 ft-lb
1/2	37 ft-lb
5/8	60 ft-lb
3/4	75 ft-lb

SAFETY INFORMATION

This Information May Save You From Death or Injury

Do not attempt to install or dismantle any Radio Waves Inc. products until you have read and understood the information and instructions in this document.

Installations: Only trained professional installers should be used to install or dismantle antennas, mounts, and related hardware. It is the responsibility of the installer to be sure that all building and safety codes are met and that the installation is complete and secure.

Lightning Protection: All antennas and related hardware must be attached to and connected correctly to a properly grounded structure. It is the responsibility of the installer to be sure that the installation is completed in accordance with all applicable grounding and safety codes.

Electrocution Hazard: Do not install or dismantle Radio Waves Inc. products near any type of power line. Should your antenna or related hardware come in contact with power lines you **could be killed!** Be sure your installation is out of falling distance of any overhead wires-including the lead to any building or structure.

NEVER OPERATE OR LOCATE THIS OR ANY EQUIPMENT NEAR POWER LINES

Electrocution Hazard: Portable or Mobile Installation.

If you are installing a Radio Waves Inc. component or part on a portable or mobile platform such as a Portable Tripod, Mast, Truck, or Van, be sure all safety procedures are followed and that operators have been properly trained. No one should be allowed to operate or set up the equipment that has not been properly trained.

Radio Waves Inc. is a component supplier and is not the system designer and has no control over how its products are used and installed. It is the responsibility of the System Designer, Van Manufacturer and Owner / Operator to be sure that the overall system is built in accordance with all applicable design and safety standards and procedures and that the operators have been properly trained.

NEVER OPERATE OR LOCATE THIS OR ANY EQUIPMENT NEAR POWER LINES