

### SPECIAL NOTE:

Before attempting to track the satellite arc, be sure to have a television, and satellite receiver set up next to the dish. This will allow you so see exactly how strong the signal is while making adjustments. It is not recommended to have someone else looking at the TV and telling you how strong the signal is.

### STEP SIX:

Tracking the arc.

Align the polar mount with north/south. Adjust the dish to the apex of the arc (looking south).

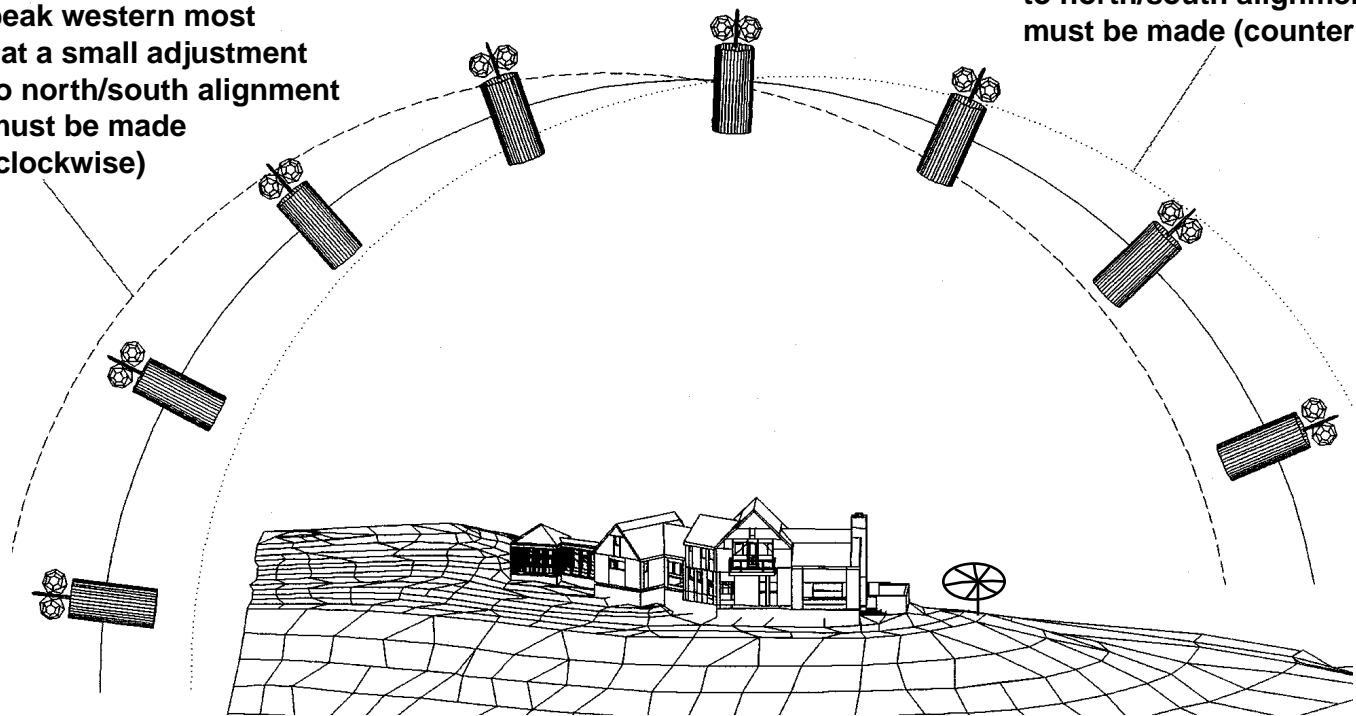
With the satellite receiver and television connected and easily viewable from the dish, and with the polar mount aligned with north/south, and with the polar mount elevation/declination pre adjusted, begin to look for your first satellite signal. You should first look for the satellite closest to south of your location. Once you find a satellite peak the signal by making small adjustments to polar mount elevation.

Next, use the actuator to find the satellite at the extreme east or west (if you are in the east look for the western most satellite, if you are in the west look for the eastern most satellite). No adjustment to elevation should be made at this point. Adjust north/south alignment to peak signal level. This procedure will fine tune north/south alignment. This procedure should be used until the satellite located at the apex of the arc and the satellite at the extreme end of the arc are both peaked and the dish can move between them using only the actuator.

Now you are ready to check declination. If the satellite at the apex of the arc, and the extreme east or west satellite is peaked, but small elevation changes are needed to peak the satellites in between, then an adjustment to declination is indicated. Usually, if you have correctly pre-set the elevation and declination at the beginning of this procedure, no adjustment to declination should be needed. However, if you need to make this adjustment, you should understand that if you change declination, an elevation change will also be needed.

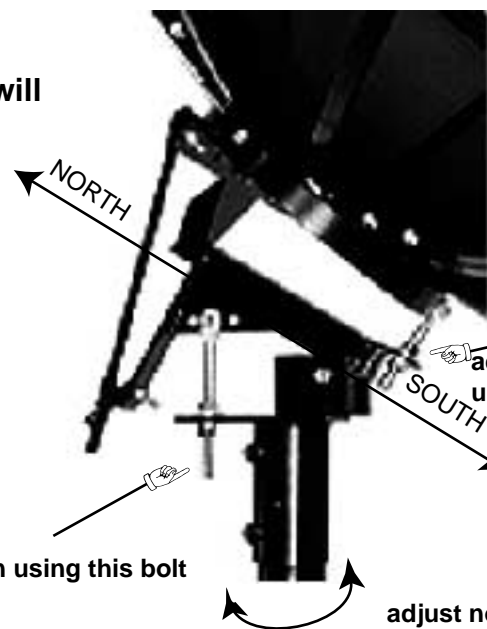
Shown below is a drawing to help you visualize what is going on when performing this procedure.

If elevation must be lowered to peak eastern most sat and raised to peak western most sat a small adjustment to north/south alignment must be made (clockwise)



If elevation must be raised to peak eastern most sat and lowered to peak western most sat a small adjustment to north/south alignment must be made (counter clockwise)

When tracking correctly, elevation changes do not improve signal strength since the dish accurately follows the "Clarke Orbit Belt". This is where satellites surrounding the earth are parked. The belt lies above the equator at an altitude of 22,300 miles. All satellites that remain motionless in our sky are parked along this "Clarke Orbit Belt".

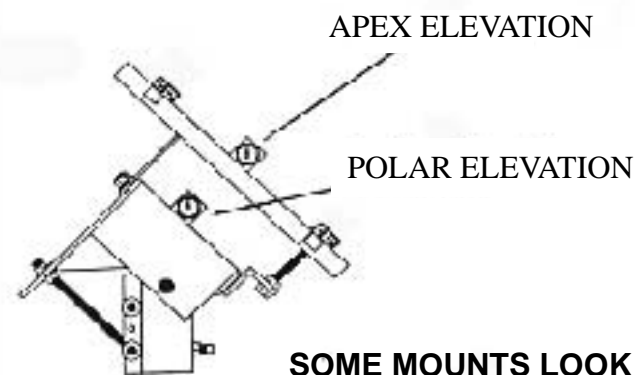


adjust elevation using this bolt

adjust north/south alignment by rotating mount on pipe

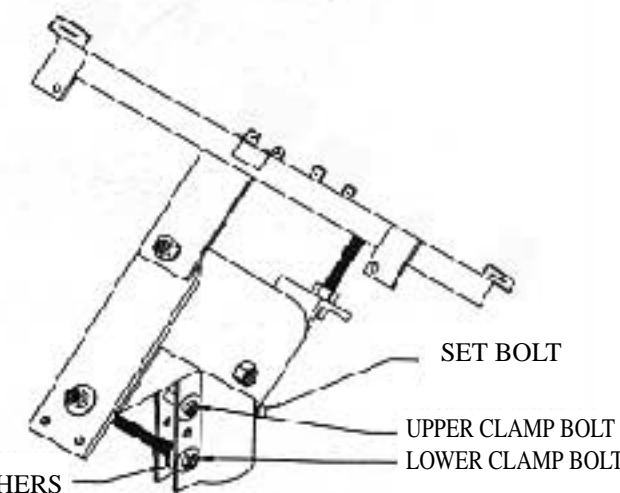
### STEP SEVEN:

Once you have the dish tracking the arc correctly, carefully tighten all hardware. Pay special attention when tightening mount cap bolts to be sure the mount cap does not move while tightening these bolts. Install feed cover, and connect wires that lead into house. This completes the antenna installation procedure and leads to programming the receiver. Use extreme caution when programming east/west limits since the dish can cam over and break the actuator if it is overextended.



SOME MOUNTS LOOK AND ADJUST LIKE THIS

SPACER WASHERS



**KTI/SAMI**  
1009 North First Street  
Judsonia, Arkansas USA 72081  
Phone (501) 729-3103 Fax (501) 729-3671  
www.samidish.com  
e-mail: samid@ipa.net

### Limited Warranty

KTI/SAMI provides a one year warranty on your new aluminum antenna. This Warranty covers only those defects in material or workmanship that might affect performance of the antenna and excludes cosmetic defects and paint. This warranty is valid only when the antenna dish is installed on the KTI/SAMI mount designed for that particular antenna. Antennas will be repaired or replaced, at our option, when returned to the manufacturing plant of KTI/SAMI located in Judsonia Arkansas, freight prepaid, together with proof of purchase.

This warranty is void if in the opinion of KTI/SAMI the antenna has been subjected to damage, abuse, misuse, improper handling, improper installation, or modification. This warranty is in lieu of all other warranties expressed or implied.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### LIMITED WARRANTY REGISTRATION CARD

Please clip and mail to KTI/SAMI at: WARRANTY, 1009 N. 1st. st. Judsonia, AR 72081 USA

Customer Name \_\_\_\_\_  
Address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Date of Purchase \_\_\_\_\_  
Dealer Name \_\_\_\_\_  
Dealer Phone Number \_\_\_\_\_