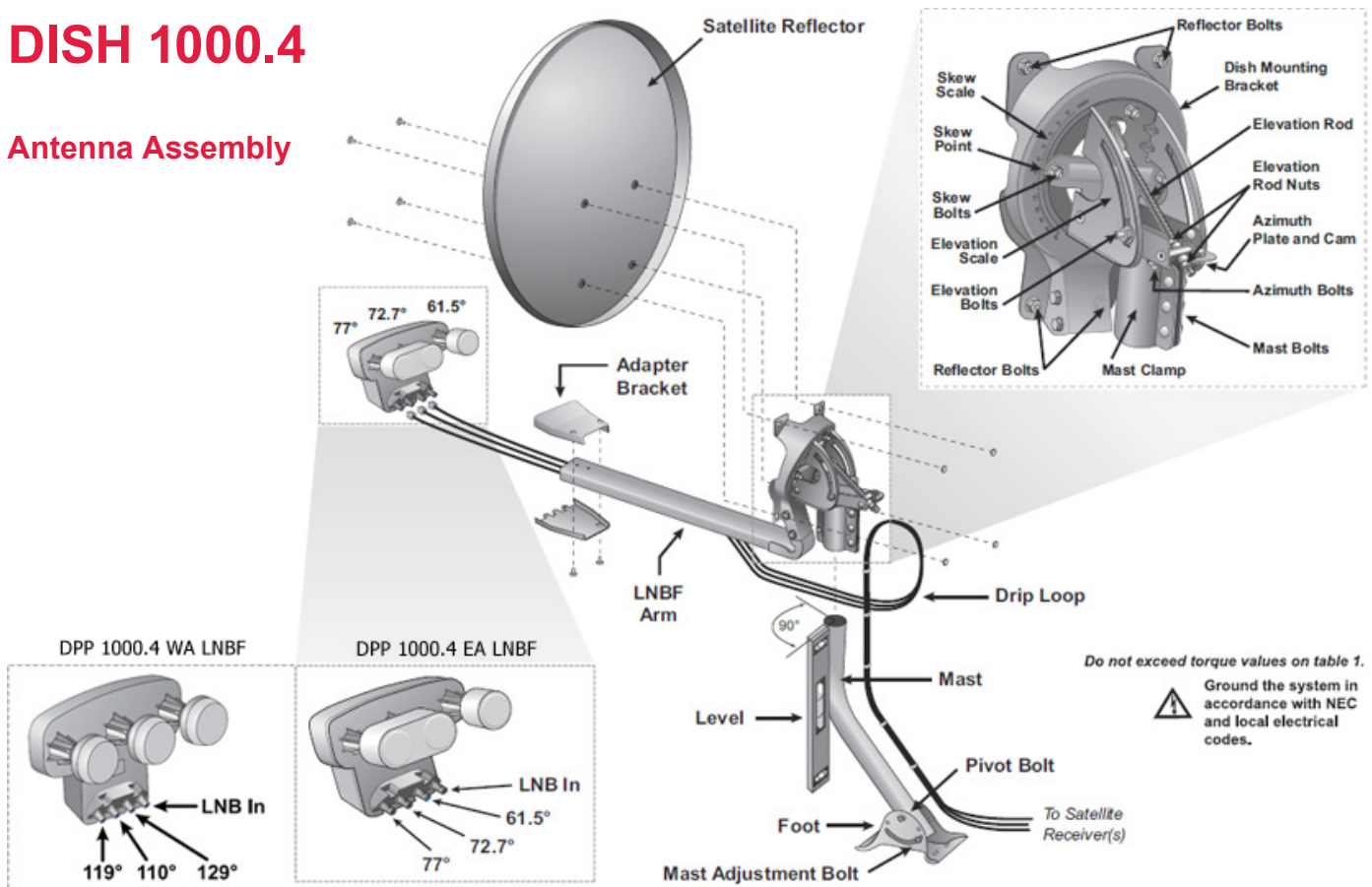


# DISH 1000.4

## Antenna Assembly



## DISH 1000.4 - Antenna Assembly

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## DISH 1000.4 - Antenna Assembly

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## Point and Peak Instructions

### Preparation

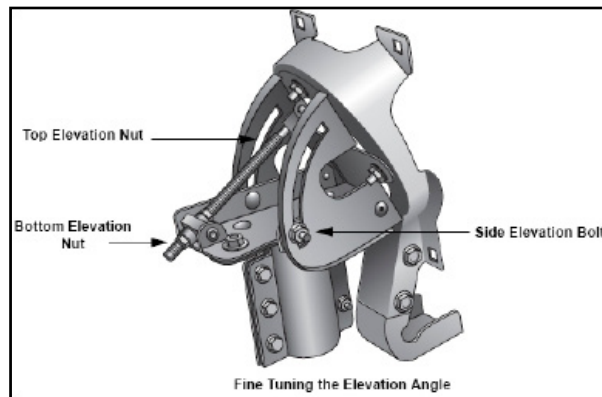
1. Find the Azimuth/Elevation/Skew angles for your location.
2. Find a location for the dish antenna with a clear line of sight and a sturdy mounting surface.
3. Mount the mast making sure it is absolutely vertical. The short mast will be used 85% of the time. On the remaining 15%, the long mast and struts are required, as the short mast does not allow the same range of motion required to achieve line of sight.
4. Assemble the dish antenna, setting the Skew and Elevation angles in the process.
5. Mount the dish antenna on the mast and point the dish to the Azimuth angle.

### Rough Point and Peak

6. Using a peaking meter attached to the DPP 1000.4:
  - EA LNB - PORT 2, rough peak the dish on 72.7°. Lock the mast clamp bolts and re-confirm signal.
  - WA LNB - PORT 1, rough peak the dish on 119°. Lock the mast clamp bolts and re-confirm signal.

## Fine-Tuning Elevation and Azimuth

1. Using the elevation rod, fine-tune the Elevation angle to achieve maximum signal using the following sweep and count method.
  - a. Using a 1/2" wrench, loosen the top elevation nut to allow the dish to be moved up and down in Elevation.
  - b. Turn the bottom nut in one direction until the signal drops off the meter.
  - c. Reverse the direction of the wrench while counting the number of turns it takes to have the signal drop off in the opposite direction.
  - d. Turn the adjuster back once again in the opposite direction by one-half the total number of turns to center the dish on the signal beam.
2. Tighten the top elevation rod nut, and then tighten the side elevation bolts. Re-confirm signal using the push pull method after tightening all elevation bolts.



### DISH 1000.4 - Point and Peak Instructions

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### DISH 1000.4 - Point and Peak Instructions

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3. With the signal meter still connected, using the azimuth fine-tune cam, fine-tune the azimuth angle to achieve maximum signal using the following method.
  - a. First, loosen the three azimuth plate bolts labeled with a 'T' just enough to allow the two azimuth plates to rotate.
  - b. Using the 1/2" wrench slowly turn the cam adjuster clockwise.
  - c. Watch the signal meter for value changes.
  - d. Rotate the cam clockwise until the highest possible signal is reached, repeat rotations if necessary.
  - e. IMPORTANT: Do not tighten the azimuth fine-tune cam.
4. Tighten the three azimuth plate bolts labeled with a 'T' and re-confirm signal using the push pull method.

