

R/V Knorr
Circular C-Band Feed Assembly Orientation

The following photos show the Circular Polarized Feed Assembly on the R/V Knorr. The series of photos show the attachment points of the feed assembly body, the tubular section of the feed, and how it must be oriented to operate in either left-hand or right-hand polarization.

This feed assembly is identical for all the XX97 antennas installed in the UNOLS fleet and operating on the HiSeasNet network.

C-Band Feed assembly Rotation

Typical C-Band Feed Assembly

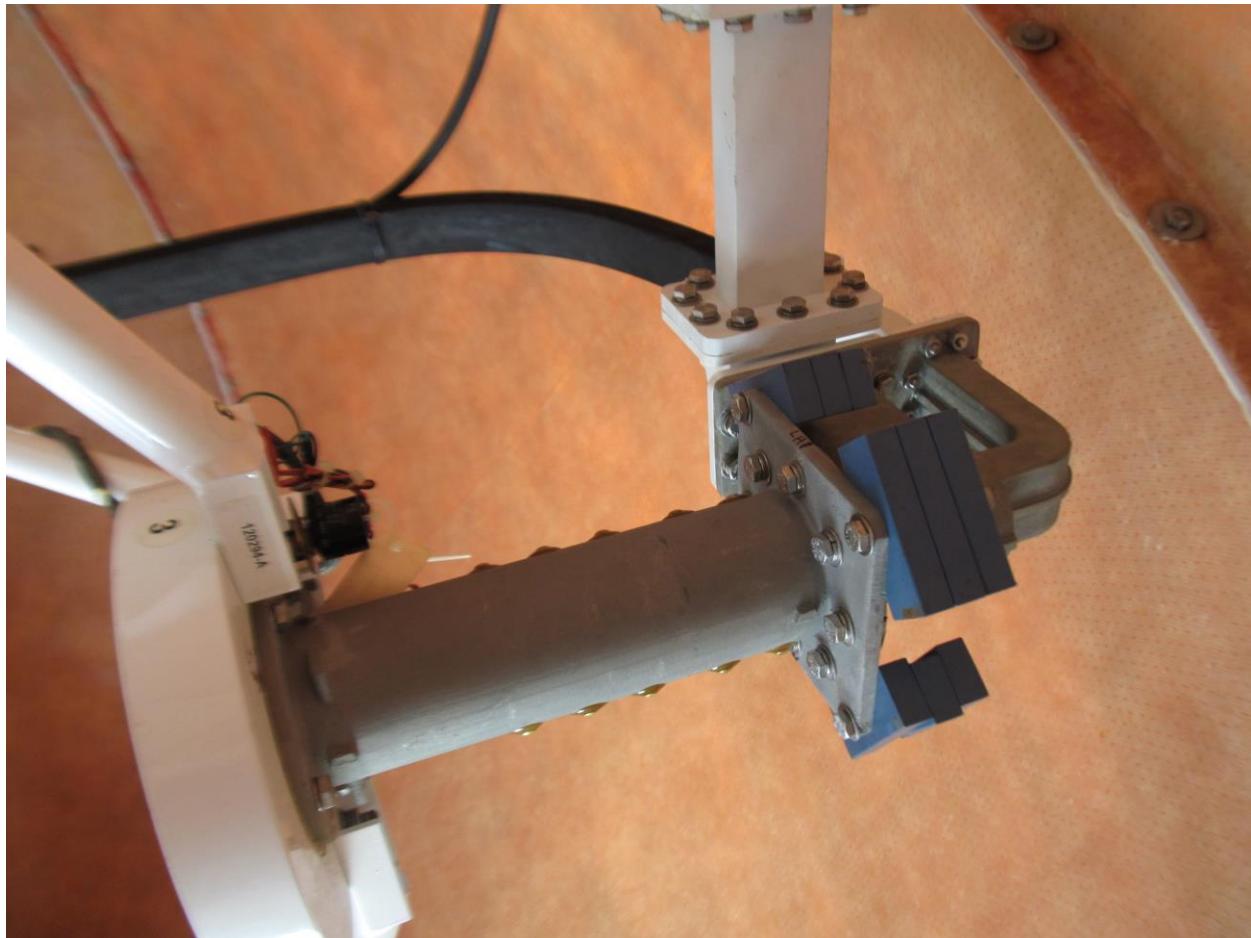


C-Band Feed assembly Rotation

Central body of feed assembly (tube), showing bolts that must be removed to rotate.

NOTE 1: Four bolts must be removed at base of tube where attached to white colored Scalar Plate

NOTE 2: Eight bolts must be removed at top flange of tube where it is attached to waveguide flange

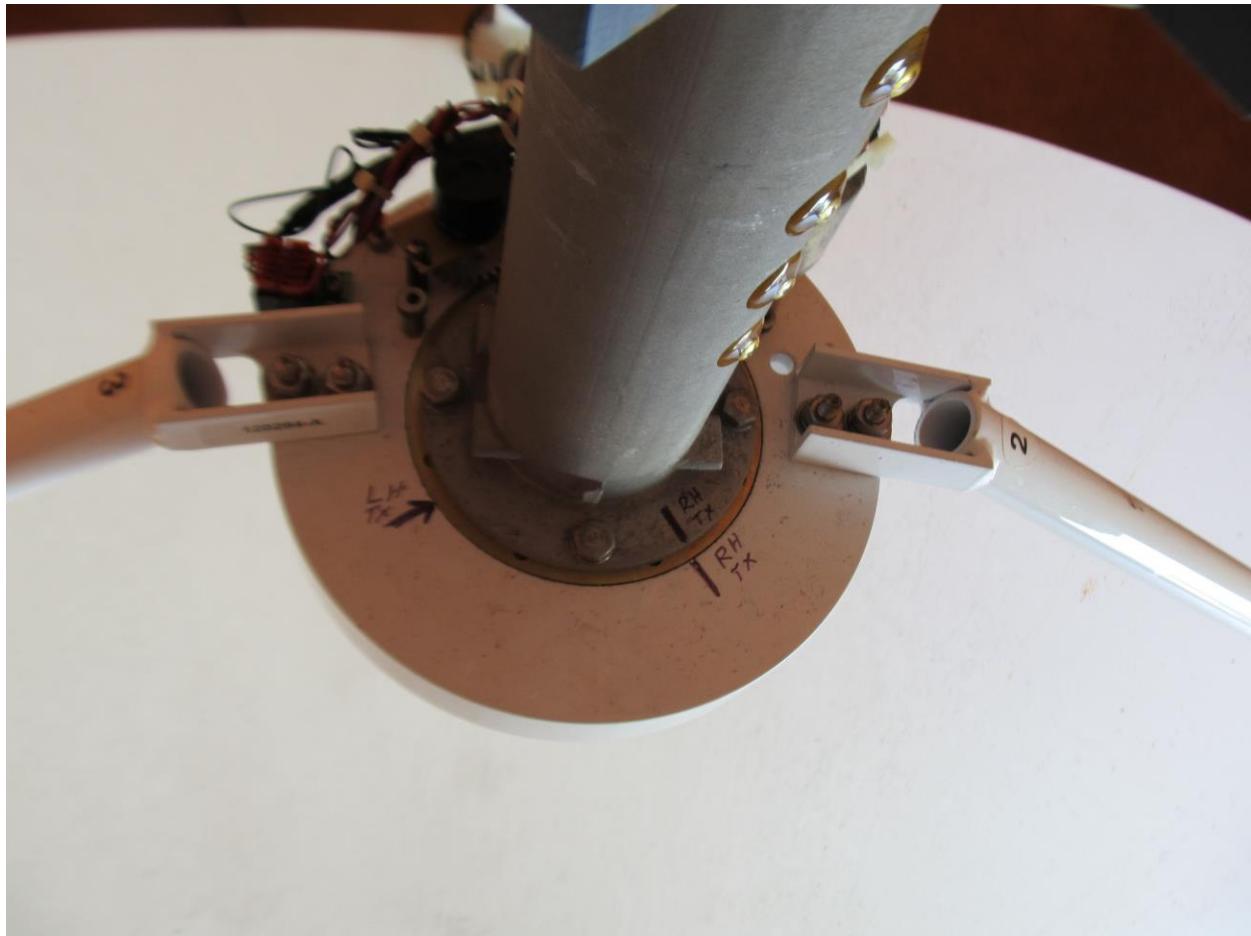


C-Band Feed assembly Rotation

Feed Base flange bolted to Scalar Plate

NOTE 1: Three of four mounting bolts that connect feed base flange to scalar plate are visible

NOTE 2: See hand written markings showing current feed alignment for Right Hand Transmit (RHTX)



C-Band Feed assembly Rotation

Top Plate flange of feed tube is bolted to TX rigid waveguide

NOTE 1: Five of the eight mounting bolts are visible in photo

NOTE 2: See hand written markings on rigid waveguide and feed tube flange indicating current orientation for RHTX

NOTE 3: When feed tube is rotated 90 degrees clockwise, it will be aligned for LHTX

