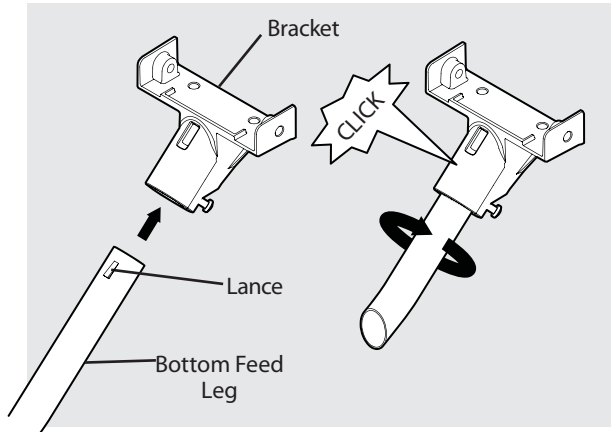


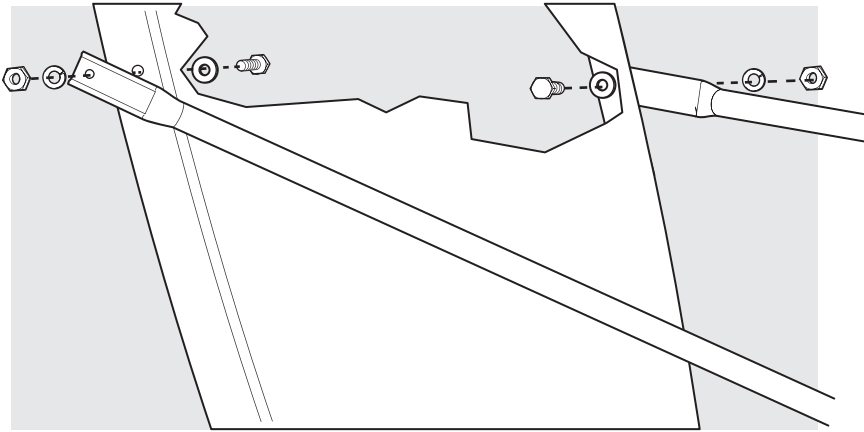
Model 6116784-13

Ku-band Cross-Pol XPC Feed Assembly for LFL Class I Antennas

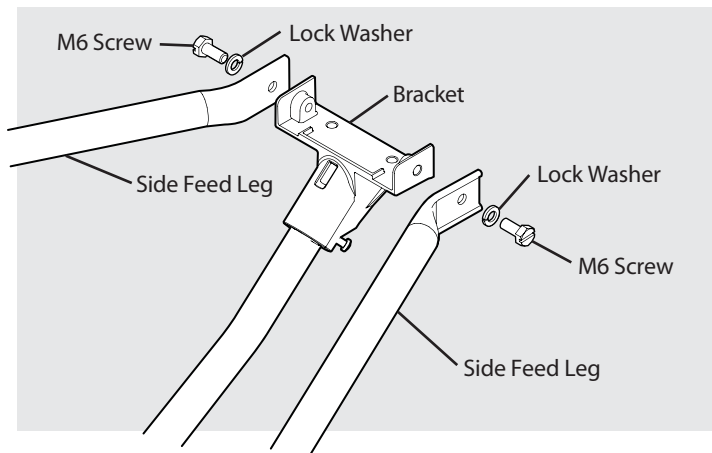
1 Insert bottom feed leg into bottom center socket on the bracket until fully seated. Rotate bottom feed leg 90 degrees until lance on leg is securely engaged in socket.



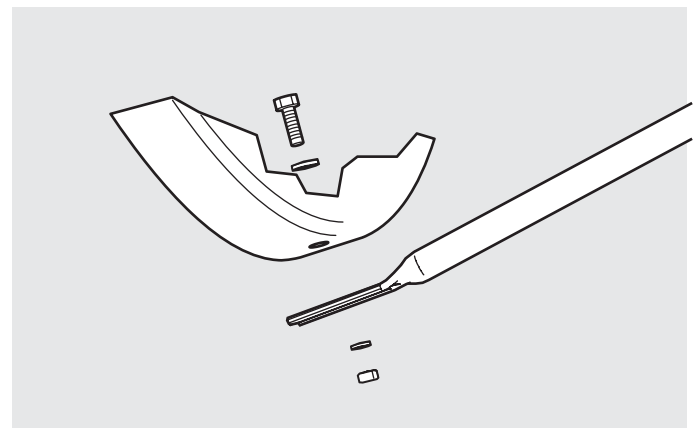
2 Attach side feed legs to reflector with M6 hardware. Do not tighten M6 hardware.



3 Attach side legs to side flanges of bracket as shown and secure with M6 screw and lock washer. Do not tighten hardware.



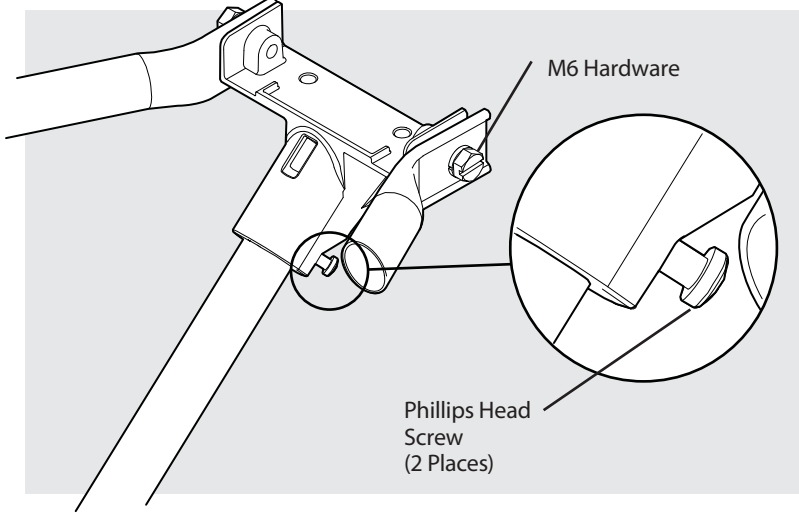
4 Attach bottom feed leg to reflector with M6 hardware. Do not tighten hardware.



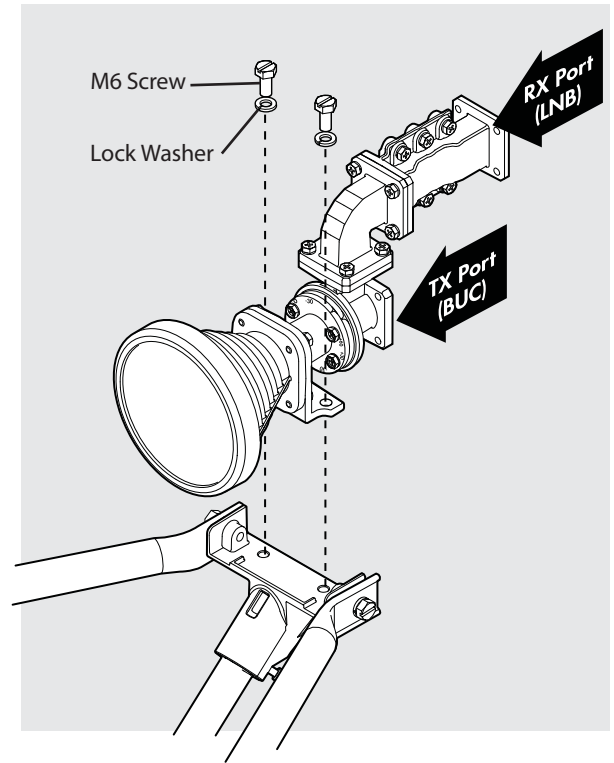
DO NOT DISCARD CONTENTS
 The product in this packaging was placed in the market after August 13, 2005. Its components must not be discarded with normal municipal or household waste. Contact your local waste disposal agency for recovery, recycling, or disposal instructions.



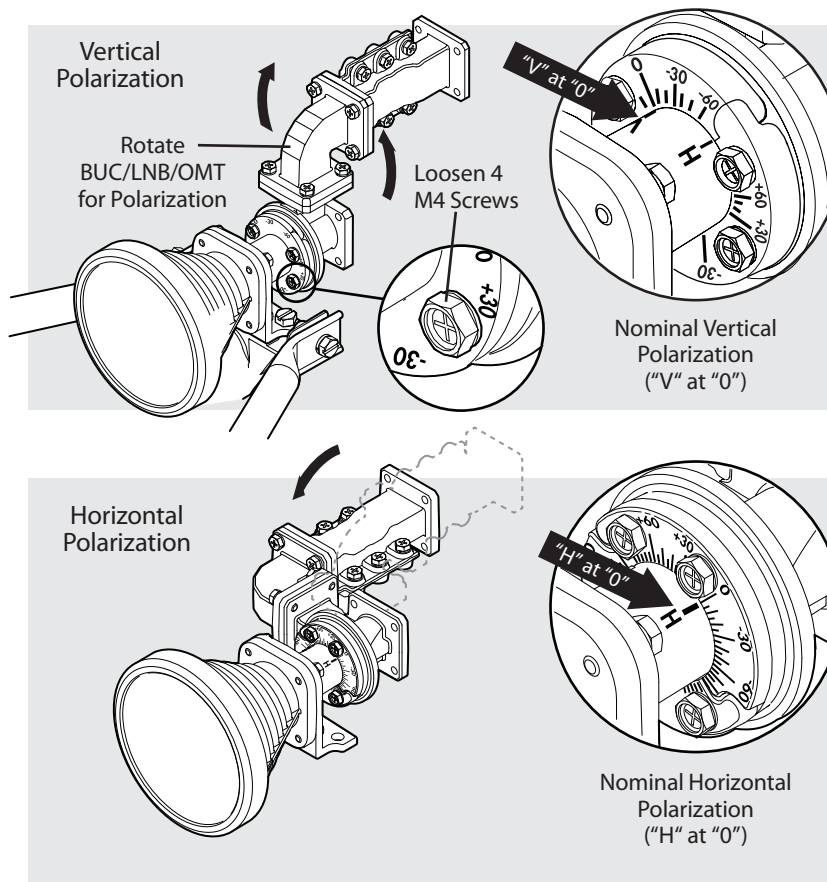
5 Alternately tighten phillips head screws where bottom feed leg inserts into bracket socket. Then tighten all M6 hardware securing feed legs to reflector and to bracket. Torque M6 hardware to 5.0 N-m (48 in-lb).



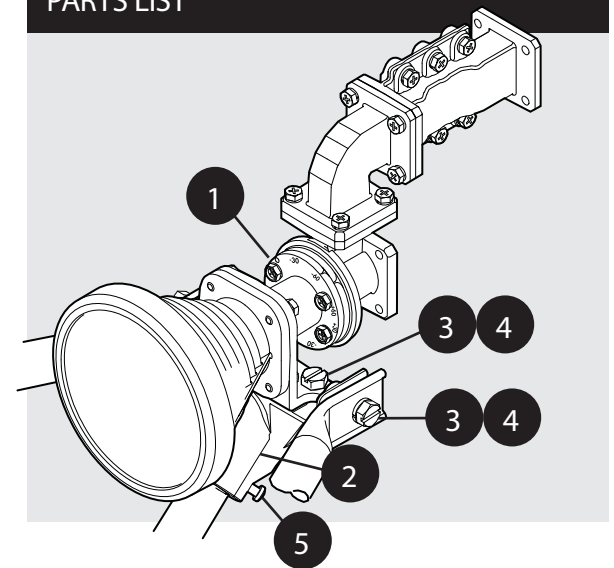
6 Assemble BUC and LNB to feed assembly with hardware and O-rings provided with BUC and LNB. Then attach feed assembly to bracket with M6 screws and lock washers as shown below. Torque hardware to 5.0 N-m (48 in-lb).



7 The feed assembly is factory set for a nominal vertical transmit polarization. This is identified by the "V" mark aligned with the "0" on the polarization scale as shown in the illustration. For nominal horizontal transmit applications, rotate the feed 90 degrees until the "H" mark is aligned with the "0" on the polarization scale. Refer to antenna installation manual for details on polarization settings. Adjust for polarization by loosening 4 x M4 screws on the clamps and rotating the BUC/LNB/OMT assembly as shown below. Torque 4 x M4 screws on clamps to 1.4 N-m (12.4 in-lb).



PARTS LIST



ITEM NO.	DESCRIPTION	QTY
1	Feed Assembly	1
2	Feed Support Bracket	1
3	M6 x 14 Hex Screw	4
4	M6 Lock Washer	4
5	M4 x 10 mm Screw	2

IMPORTANT: Note new position of BUC/LNB/OMT for Horizontal Polarization.

PERIODIC INSPECTION & MAINTENANCE

To ensure peak performance of the antenna system and to maintain validity of the warranty, the user should perform a periodic inspection every 6 months or following any severe weather event, As a minimum the following items should be inspected.

1. Installation Mount

Check for loose hardware - tighten if necessary.

Check integrity of anchor bolts or hardware securing mount to the building or foundations

Check ballast of Non-Penetrating Roof Mounts - cracked or broken blocks must be replaced.

Check hardware and structural members for signs of corrosion - repair or replace as needed

2. Antenna Back Structure or Az/El Mount

Check for loose hardware - tighten if necessary.

Check for signs of structural damage such as bending or cracking

Check hardware and structural members for signs of corrosion - repair or replace as needed

3. Reflector

Check integrity of bolts securing reflector to back structure or az/el mount. Tighten any loose hardware.

Check for signs of damage such as cracking. Inspect reflector face for impact damage.

Check hardware for signs of corrosion - repair or replace as needed.

4. Feed Support Structure

Check for loose hardware - tighten if necessary.

Check for signs of structural damage such as bending. Check hardware and structural members for signs of corrosion - repair or replace as needed

5. Feed & RF Components

Check for loose hardware - tighten if necessary.

Check hardware for signs of corrosion - repair or replace as needed.

Check feed lens or window for damage or signs of leaking.

Check waveguide connections between feed and RF electronics

6. Electrical

Check for loose cables and connectors - tighten if necessary

Check for tight grounding connections

Check cables for weathering or cracks