

TECHNICAL INFORMATION BULLETIN

Subject: Handling Precautions during Installation

Products Affected: DISH 500+ and DISH 1000+ LNBF Assemblies

The LNBF bracket assembly for early production quantities of the DISH 500+ and DISH 1000+ should be handled carefully during installation. This will prevent damage to the side brackets that attach the 110° and 129° LNBFs to the center 118.7/119 DBS/FSS LNBF. Follow the handling tips below to avoid bracket damage during installation. The LNBF mounting brackets are otherwise rugged enough to withstand antenna operational loads once installed and shipping loads in their original packaging.

- Handle the LNBF assembly by the DBS/FSS Dual Band LNBF or by the bracket directly under this LNBF. Avoid handling the LNBF assembly by the outer 110° or 129° LNBFs. See figure below.
- Avoid dropping or hitting the LNBF assembly against other objects.
- Use original packaging where possible when transporting the LNBF assemblies. For added protection during shipment, detach the 110° and 129° LNBFs from the bracket.
- Follow the recommended torque limits listed in the *DISH 500+ and DISH 1000+ Installation Instructions*.
- For replacement LNBF brackets:
 - Order replacement brackets by calling the PRT Hotline at (303) 706-4462 or emailing serviceinquiries@echostar.com.
 - DISH 500+ Main Bracket is part number 148773
 - Bracket for adding 129° is part number 145954
 - Ordering through the Retailer Care Site (retailer.echostar.com) will be available in the near future. When available, go to Self Service, select Return Authorization, then place an Online Sales Order.

Improved LNBF assembly brackets are currently in production to improve resistance to handling damage.

