

**23-60000 DORSAL HF SHUNT ANTENNA  
SPECIFICATIONS**

**Approval:** STC No. ST01574LA

**Applicability:** Lockheed C-130 and L-382

**Location:** Dorsal fin

**Dimensions:** 134" X 14.5" X 10"

**Material:** Fiberglass and aluminum

**Weight change:** Plus 8.5 lbs

**Input:** From Collins HFS700, HFS900, 618T and 628T Transceivers. Antenna couplers 490S and CPL920/920D

**Power capability:** Up to 1000 Watts RF

**Frequency coverage:** 2.000 Mhz to 29.999 Mhz

**Total Antenna resistance:** Less than 8 milliohm coupler feed to coupler rack.

**Exterior finish:** Rain resistant white "Caapcoat" which may be over painted to suit desired paint scheme.

**Parts finish:** Alodine with primer.

**Notes:**

The antenna and its installation kit replaces the crown skin on the dorsal and installs a false spar and associated structural members.

The installation includes the racks and mounting shelf for the couplers and the pressure feed thru located in the ceiling of the aft cargo bay beneath the dorsal.

The net weight change is predicated on the removal of the long wire antennas, their masts, associated antenna tuners, and installation of the new antenna couplers.

Down time estimated at five working days or 150 man hours