

ASB AVIONICS LLC.

L382/C130 HERCULES DORSAL HF ANTENNA

ASB Avionics announces the availability of an STC approved 2-29.999 MHz Dorsal mounted HF Shunt Antenna retrofit for the C130/L382 Hercules. The Hf Shunt Antenna program compliments ASB Avionics existing state of the art Hercules Avionics Modernization & Upgrade Program introduced in 2002. The Dorsal mounted HF Shunt Antenna STC was approved on Dec. 9, 2003 and has an international patent pending.

This antenna is designed to fit all Lockheed Hercules models C-130A thru C-130H and L100/L382. The Dorsal mounted HF Shunt Antenna is applicable to any manufacturer's shunt/notch antenna coupler. The existing STC is for Rockwell Collins 490S-1 & CPL920D Air transport antenna couplers, with HF9000 couplers STC approval scheduled for the third quarter 2004.

The installation of the HF antenna and improved location of the antenna tuning and feed components results in dramatic improvement of the radiation pattern achieved. STC test showed that sea level communication of 2500 miles were the norm and that quarter way round the world was workable... from the ground!!! Practically equal 360 degrees of radiation is achieved in place of the figure eight pattern with maximum efficiency off the wing tips typical of the original long wire antennas.

Elimination of the antenna masts and long wires cures a maintenance/downtime headache and results in a drag reduction calculated to repay the cost of installation in approximately two years of commercial operation. Design of the kit is focused on rapid installation and allows it to be accomplished during a Scheduled "B" check. ASB provides technical support for its' installations at approved facilities world wide.

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