

P-3 HF Antenna Upgrade



ASB Avionics HF Shunt Antenna solution solves the critical issues associated with long wire antennas on all P-3 Orion aircraft. The solution is applicable to all P-3 models and can be installed on-site in approximately 7 days. Kellstrom Defense is the program manager for this upgrade.



Critical Issues:

- » Man hours for maintenance (Antenna disconnection)
- » Range capabilities
- » Antenna separation
- » Loss of mission capability

Reliability and Performance Enhancements:

Dorsal mounted HF Shunt antenna is applicable to any manufacturer's shunt/notch antenna coupler.

Current STC is for Rockwell Collins 490S-1 and CPL920D air transport antenna couplers, with HF9000 couplers STC approval pending.

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

P/N: 901716-101/55-62000

ASB Shunt Antenna Kit P/N 55-62000-XXX

Features and Benefits:

- » Increased range of antenna
- » No loss of mission due to separation
- » No man hours for hangar entrance
- » No tension checks
- » Increase in useable fuel
- » Fast, on-site, installation

Tech Data:

- » Applicability: Lockheed P-3, C-130 and L-382
- » Power capability: Up to 1000WattsRF
- » Frequency coverage: 2.000Mhz to 29.999Mhz
- » Total antenna resistance: Less than 8 milliohm coupler feed to coupler rack
- » Exterior finish: Rain resistant white "Capcoat" which may be over-painted to suit desired paint scheme
- » Parts finish: Alodine with primer
- » Approval: STC No. ST01574LA/PMPAQ2448NM



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