C-130 E2H® Flight Station ECS Upgrade

Features and Benefits

» Meets current flight station avionic cooling requirements
» Improved reliability
» Affordable, easy installation
» Increased flight station cooling capacity
» Increased output: Legacy 30 PPM vs. Upgraded 70 PPM = 230% increase
» Simplified logistics: Components supported by the DOD
» Utilizes C-130H Honeywell refrigeration unit P/N 2200440-7-3, NSN 1660-01-275-5646
» Improved safety: includes four engine pressure regulating bleed air shut off valves, maintaining a bleed air manifold pressure of 50 psi during normal operations
» ECS system interconnect between the flight station and cargo compartment

New ECS Refrigeration Unit

Completed Installation

The C-130 E2H® Flight Station ECS Upgrade replaces the legacy C-130 30 PPM ECS System. The upgrade applies to Legacy: C-130B/E/H and Variants: C-130K, C-130R. Installation requires a minimum of four technicians and 660 man hours.

Critical Issues

» Outdated 1950's Technology
» Heavy Maintenance
» High Failure Rate
» Low System Output

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