

P-3 Orion Pylon Refurbishment Program



The P-3 pylon has been in service since the 1970's and presents various challenges from the onset. American Valley Aviation (AVA) is currently the only U.S. Navy approved overhaul facility. We partner with AVA, to offer complete overhaul and repair solutions.



Critical Issues:

- » Corrosion
- » Different Configurations
- » Electrical failures
- » Man hours for support
- » Overhaul and Repair

Remanufacture Process:

- Universal P-3 pylon is disassembled down to the "strong back," chemically striped and recoated with Alodine
- Visual and NDI inspection is performed for cracks, corrosion and dents, and remedial action performed
- New electrical harnesses are replaced as necessary
- Forward and Aft "Universal Fairings" are removed, scrapped and replaced with new forward and aft "Standardized Fairings"
- Newly manufactured components manufactured in accordance with LM drawings/specifications
- Pylons painted, marked and reassembled in accordance with LM drawings and USN Technical Directive
- Electrically tested and fit checked to all 10 wing pylon spacers
- Pylon re-identified as P/N 972924-101 or 0601206-1 (DSMS), or B4464403-101 (AIP) shipped with DD-250 or commercial C-of-C provided

We offer "Single Point of Contact" in-house upgrade and repair support, including warranty management.

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Features and Benefits:

- » Full Strip Down To "Strong Back" with NDI inspection
- » New Standardized Fairings
- » Newly Manufactured Components to LM specs
- » New Paint to customer requirement, and in accordance with LM drawings and USN technical directives
- » Electrically Tested
- » DD-250 or Certificate of Conformance



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