

P/N: 383650-2

NSN 2995-01-462-4613

P-3 Air Turbine Starter (ATS) Upgrade

Honeywell



Development based on upgrade program for U.S. Navy ATS P/N 383650-1-1/-1-2 to increase reliability.

Drop-in replacement for Honeywell ATS and all Parker P/Ns:

36E79-10A, NSN 2995-00-868-8838
36E79-12A, NSN 2995-00-933-7254
36E79-12QB, NSN 2995-00-111-3651
36E79-6A, NSN 2995-00-053-4505

Critical Issues

- » Low MTBF
- » Bearing failures
- » Low Reliability

Reliability and Performance Enhancements

- » Has the same major components as the existing ATS P/N 383650-1-1/-1-2
- » Upgraded bearings and seals are incorporated into P/N 383650-1-1/-1-2 to enhance reliability and extend MTBR
- » Upgraded bearings and seals are available in an O/H and Repair Kit P/N 658336-2, designed for field installation to upgrade Model ATS100-294, P/N 383650-1-1/-1-2 to P/N 383650-2
- » Starter designed for field installation to upgrade Model ATS100-294, P/N 383650-1-1/-1-2 to P/N 383650-2
- » Complete Air Turbine Starters (MODEL ATS100-294, P/N 383650-2) are available for purchase to replace installed HONEYWELL or PARKER ATS

Features and Benefits

- » Increased load capacity with thirteen (13) balls, vs. ten (10)
- » Incorporation of bearing material upgrade from 52100 to M50
- » Incorporation of Graphite Filled Teflon seal to further reduce wear from exiting glass filled Teflon Lip Seal
- » Improvement confirmed by USAF and Canadian Forces with similar C-130 ATS equipment, with an average MTBF of 2178 hours



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