Honeywell

Air Turbine Start System Upgrade

for the C-130A – H and L-100 aircraft

Air Turbine Starter (PN 3505786-1)
Air Turbine Starter Control Valve (PN 396678-1)

Provides operators an optimized Air Turbine Start System with the highest reliability, greater performance and reduced maintenance costs over the life cycle of the aircraft.

Expertise

40 years

of C-130 Air Starter experience

We are a pioneer in Air Turbine Starter System technologies

20,000 units

Air Turbine Starters produced and fielded for starting T56/501 engines worldwide

USAF Approved

Fleet Standard product approved for installation under Lockheed SB 82-762

Technology Integration

Air Turbine Starter Control Valve integrates leading-edge commercial technologies

Extended Warranty

Ensures peace of mind for quality product performance

Innovation

Air Turbine Starter

Quick Attach-Detach (QAD) Adapter
- 75% reduction in installation and removal time (8 hours to 2 hours)
- Simplified maintenance using one bolt to install/ remove unit

Fully Certified Containment Features
- Qualified axial and radial containment
- Crossbars added to Inlet Scroll to retain exducer in event of bearing failure
- Inconel 625 backing plate added to improved thermal barrier

Upgraded Turbine bearings and seals
- Improves bearing life, durability and cost of ownership

Improved Operational Capability
- Pressure relief for free-run condition

Air Turbine Starter Control Valve

Commercial-Based Innovation
- New actuator and servo based on highly successful EMB 135/145 business jet SCV design

Improved Valve Design
- Reduces major hardware part-count by 50 percent

Existing Valve Body Re-Use
- Ensures aircraft interface remains unchanged

Proven Design

Enhanced Mean Time Between Failure (MTBF)

Improved performance with lower cost of ownership:

>4,700 hours – Air Turbine Starter
Based upon existing fleet performance

>12,000 hours – Starter Control Valve
Field-proven in high-cycle commercial application

Reduced Maintenance Costs

Drop-in Replacement

No aircraft modifications required

Global Service and Support Network

Knowledge and resources for all service needs – whenever and wherever maintenance and repair services are required

Find out more at www.aerospace.honeywell.com