



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