



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