

ACCESSORIES

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INFORMATION & CAPABILITIES



Experience top-tier aircraft accessory repair and overhaul services with some of the fastest turn times in the industry at Duncan Aviation's Accessories shops in Battle Creek, MI; Lincoln, NE; and Provo, UT. Our state-of-the-art test equipment is calibrated to NIST traceability standards, ensuring precision and reliability.

REPAIR & OVERHAUL CAPABILITIES SEARCH

www.DuncanAviationParts.com

As an authorized sales, service, and support provider for multiple component and equipment manufacturers, our team of over 80 skilled technicians specializes in a wide range of areas, including:

BATTERIES

- Lead acid (sealed & flooded)
- Nicad (sealed & flooded)
- Mainship
- Emergency power supplies

ELECTRONICS

- Servos/inverters/converters
- Master warning boxes
- Control panels
- Landing gear wire harnesses
- Wheel speed transducers
- Strokes/power supplies/lighting
- Aircraft AC- powered generators

HYDRAULIC/PNEUMATICS/WHEELS/BRAKES

- Skydrol/5606
- Hydrostatic testing & overhaul of bottles & regulators
- Fuel pumps, valves, & bladder
- Actuators
- Thrust reverser components / motors
- Maxarets/anti-skid systems
- Hydraulic pumps & valves
- Wheels & brakes
- Outflow valves
- High pressure/High volume air flow
- Air system components

ELECTROMECHANICAL

- Stab actuators
- Mechanical actuators

- Starters, DC-powered generators & starter/generators
- Power relays
- Gear boxes

LANDING GEAR

Overhaul, inspection and repair capabilities on:

- Global: All models
- Challenger: All models
- Embraer: Legacy 600 and 650, EMB-135/145,
- Learjet: All models except 45 & 75
- Cessna: All models
- King Air: All models

MACHINING & WELDING

Welding Services/Specialties

- Five AWS D17.1 certified gas tungsten arc welders (Tig)
- On-site AWS Certified Welding Inspector
- Support equipment fabrication & component repairs

Welding Material Capabilities/Class A Welding Certification

- Stainless, Aluminum, Titanium
- Carbon & low alloy steels
- Heat Treatable steels, including 4130
- Cobalt & Nickel-based alloys

Machining In-House Equipment/Capabilities

- Waterjet
- CNC brake
- 4 axis enclosed CNC: 60" x 30" x 20" envelope
- 3-axis tool room/CNC machining: 50" x 25" x 24" envelope
- HAAS UMC750 five-axis
- Aluminum heat treat capabilities: 24" x 24" envelope
- Engraving
- CNC tool room lathe and NC Mills
- Mil Spec Painting
- In-House Learjet Main Landing Gear Trunnion Repair

PROTOTYPE AND DESIGN

Service Capabilities

- Prototype to production
- CAD/Solidworks modeling/AutoCAD drafting