

# ACCESSORIES

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## INFORMATION & CAPABILITIES



Duncan Aviation's Accessories shops in Battle Creek, MI; Lincoln, NE; and Provo, UT, have one of the fastest turntimes in the industry with the highest quality of repairs as well as overhauls. We are authorized as sales, service and support for multiple component and equipment manufacturers. All accessory test equipment is calibrated using NIST certificate traceability.

The accessories and machine shop employs over 60 technicians specializing in the following areas:

### 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
- Strobes/power supplies/lighting
- Aircraft AC- powered generators

### HYDRAULIC/PNEUMATICS

- Skydrol/5606
- Hydro-Static testing of bottles
- Fuel pumps & valves
- Actuators
- Maxarets/anti-skid systems
- Hydraulic pumps & valves
- Wheels & brakes
- Outflow valves
- High pressure/High volume air flow
- Thrust reverser components / motors
- 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
- Challenger
- Embraer
- Learjet
- Cessna
- Beechcraft
- 6,000 square-foot shop

### 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