

ACCESSORIES

+1 402.475.2611 | www.DuncanAviation.aero | 800.228.4277



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 58 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
- Strokes/power supplies/lighting
- Aircraft 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, generators & starter/generators
- Power relays
- Gear boxes

LANDING GEAR

Overhaul, inspection and repair capabilities on:

- Beechcraft
- Cessna
- Embraer
- Learjet
- Challenger
- Global
- 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
- 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

AVIONICS INSTRUMENTS

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INFORMATION & CAPABILITIES



AVIONICS AND INSTRUMENTS HISTORY

Duncan Aviation's avionics/instrument specialists inspect, install, troubleshoot, service and repair virtually every type of equipment your aircraft might have, or need to have, aboard.

We're an authorized sales and factory service center for all the industry's top-line brands including Collins Aerospace, Honeywell/BendixKing, Avidyne, Garmin, Chelton/Wulfsberg and JET/BF Goodrich/L3. We are the only authorized Universal Avionics Service Center in the United States.

The avionics & instrument shop employs 78 technicians specializing in the following areas:

- Autopilot/Flight Director Systems
- Radar Systems
- Navigation/Communication Systems
- ADF Receivers
- Flight Management Systems
- DME Transceivers
- Transponders
- Attitude Direction Indicators (ADI)
- Horizontal Situation Indicators (HSI)
- Pitot Static Instruments
- Gyros
- Calibration Services. New capabilities added regularly

Each area operates multiple shifts to provide the fastest turntimes and expedited AOG services.

BENDIXKING ELITE REPAIR PARTNER

- CP-466, CP-467, CP468 EFIS controllers
- ED-464, ED465, and ED551 EFIS Displays
- KC140 and KC192 autopilot computers
- KTR909B UHF Transceiver
- KLN900 GPS Rnav
- SG464 and SG465 symbol generators

DUNCAN AVIATION DIFFERENCES

- Free technical/troubleshooting support 24/7/365 at 800.562.6377
- Personalized service with 12 customer account reps at 800.562.6377
- All test equipment is calibrated using NIST certificate traceability
- Over \$10 million inventory of avionics and instrument loaners
- Large piece parts inventory. Over 95% of the time, we have the part on-hand to do the repair
- Comprehensive capabilities list with more than 47,000 part/unit numbers available through online search at myDuncan.aero/online/parts and on CD by request
- International certification sign-off for 10 countries

UNIQUE SERVICE CAPABILITIES

- Rockwell Collins TDR-94/94D Transponder
- Universal FMS/TAWS/DCVR
- Authorized Artex Emergency Locator Transmitter (ELT) Service Center
- Honeywell Primus II Navigation and Communication Radios
- King KFC-400 Autopilot
- NAT VHF Radio Systems
- Chelton Avionics Systems
- Honeywell Authorized Gyro Service Center
- Authorized Avidyne Service Center for FlightMax and EX-500/600 Legacy MFDs, and MHD-300 Multi Hazard Display
- BendixKing Elite Repair Partner

FAA REPAIR STATION-#JGVR194F

- Radio-Class 1, 2 & 3
- Instrument-Class 1, 2, 3 & 4