



## AIRFRAME & ENGINE INFORMATION & CAPABILITIES



### AIRFRAME CAPABILITIES

Duncan Aviation's Battle Creek, Michigan (BTL), Lincoln, Nebraska (LNK), and Provo, Utah (PVU), facilities are part of the EASC (Embraer Authorized Service Center) network and are listed as EASCs for work on the Embraer Phenom 100 and 300 and the Legacy 450, 500, 600 and 650.

BTL, LNK, and PVU are authorized for all base maintenance on the Phenom 100 and 300 and Legacy 600 and 650 and can perform all scheduled and unscheduled inspections.

In addition, LNK and BTL are authorized for all base maintenance on the Legacy 450 and 500 and can perform all scheduled and unscheduled inspections.

Duncan Aviation offers the following airframe services:

- Pre-buy evaluations
- Composite repairs
- Service Bulletins / ADs
- Fuel leaks
- Major structural repairs
- EEC (Embraer Executive Care)

Duncan Aviation can perform all scheduled and unscheduled maintenance, including the following:

- AOG assistance, worldwide
- Any unscheduled event that affects the normal operation of the aircraft
- Repair of in-flight discrepancies reported by flight crews or maintenance control
- Routine daily and en-route inspection required by operator
- Troubleshooting
- Components replacement with use of external test equipment, if required
- Defect rectification
- Landing gear, engine and APU removal and installation
- Repairs and modifications
- Painting/interior refurbishment or avionics system installations done in conjunction with airframe work
- Low & high utilization inspections

Our Embraer team consists of A&P and IA-qualified aircraft inspectors and factory-trained specialists available around the clock to help with maintenance-related questions and troubleshooting.

Tracker, Duncan Aviation's computerized tracking system, is available to track aircraft maintenance.

### ENGINE CAPABILITIES

- Honeywell AS907 (HTF7500) Series  
Minor/Line—LNK Line—BTL/PVU
- HTF7000 Line/Minor Level Honeywell Authorized Service Center
- HTF7000 4000/8000 hr. borescope inspections and periodic maintenance
- HTF7000 New engine warranty, Service Bulletin & AD compliance
- HTF7000 Vibration survey and fan balance
- Pratt & Whitney PW535  
HSI/Line—BTL Line—LNK
- Pratt & Whitney PW617F  
Line—BTL/LNK/PVU
- Rolls Royce AE3007  
Line—BTL/LNK
- Rolls-Royce CorporateCare Authorized
- Our Embraer Engine team includes technicians on-call for in-house or in-the-field engine repair, 24/7

### APU CAPABILITIES

- We are FAA-certified for the Hamilton Sundstrand Model T-62T-40C11 or T-62T-40C14 APUs
- Hamilton Sundstrand semi-annual, annual and biennial inspections
- Line maintenance and R&Rs

### AUTHORIZATIONS

- EASC (Embraer Authorized Service Center) for:  
Phenom 100 and 300  
Legacy 600 and 650
- LNK/BTL are also base-maintenance authorized for the Legacy 450 and 500
- Authorized Pratt & Whitney Line Service Center
- Honeywell Minor Authorized Center HTF7000

### CERTIFICATIONS

- FAA-certified for the Hamilton Sundstrand Model T-62T-40C11 or T-62T-40C14 APUs



## INTERIOR & PAINT INFORMATION



### INTERIOR CAPABILITIES

Duncan Aviation is a leader for interior refurbishments. Our interiors are the culmination of experience, creativity and the leading-edge technology Duncan Aviation team members utilize. Our team members can update the design of your interior to add value, functionality and a renewed comfort level that truly must be experienced to be appreciated.

### PAINT

Duncan Aviation is famous for its high-quality paint work. This reputation has been earned over the years by consistently delivering high-quality, long-lasting paint, as well as through the unmatched attention to detail and innovative paint processes we employ. Duncan Aviation also offers the shortest downtimes in the industry as we will repaint a large-cabin Embraer in as little as 21 calendar days.

Our full-service paint facilities in Battle Creek and Lincoln create optimum paint environments with air-filtration systems, temperature-control systems, humidity-control and airflow systems that allow consistently high-quality finishes.

### AVIONICS CAPABILITIES

**ADS-B  
NOW**

[www.DuncanAviation.aero/adsb](http://www.DuncanAviation.aero/adsb)

### MODIFICATIONS

Duncan Aviation is the recognized leader for avionics. We offer complete avionics installations capabilities including:

- High-speed data
- Iridium and Inmarsat Satcom systems
- Cabin entertainment packages
- NextGen (ADS-B, FANS, etc.) upgrades to fulfill mandates
- LED lighting upgrades

### TOOL CALIBRATIONS

Bring tools along when you schedule work and Duncan Aviation can calibrate them with NIST traceable instrument calibration.

### Paint Capabilities

- Three year warranty
- High solids primers and paint
- Highly refined application process
- A professional designer dedicated to your project works with you through every phase
- State-of-the-art paint booths reduce rework and produce a very high-quality product
- Environmentally friendly paint and strip hangars accommodate all models
- Paint detail team details your aircraft prior to delivery
- Experience painting private and corporate aircraft since 1979

### DUNCAN AVIATION DESIGN

Our award-winning in-house Duncan Aviation designers lead the industry in creating custom and unique paint and interior schemes. The design team will guide you through the specification process and monitor the project while in-house to ensure all aspects are completed to your exact specifications.

### ENGINEERING DESIGNATIONS

- ODA (Organization Designation Authorization)
- Areas of Delegation/Authority:
  - STC (Supplemental Type Certificates)
  - MRA (Major Repairs and Alterations)
  - PMA (Parts Manufacturer Approvals)
  - Imports, Exports, Special Flight Permits, Standard and Special Airworthiness
- Qualified staff of more than 40 Unit Members of all disciplines, including DERs (Designated Engineering Representatives) and DARs (Designated Airworthiness Representatives)



## ALL COMPONENT EXCHANGES, OVERHAULS, REPAIRS AND LOANERS



*We offer free technical advice, troubleshooting and sales support 24/7/365.*

Duncan Aviation provides the component solutions customers expect from an award-winning team of aviation professionals who provide streamlined, customer-friendly and comprehensive solutions every day to aircraft operators. We have the resources to become your one source for component solutions and deliver every service you will need during the life of an aircraft. We are also authorized as sales, service and support for multiple component and equipment manufacturers. We offer:

- complete component overhaul
- repair and testing
- sales and exchanges
- parts and loaners
- tool and equipment calibration
- warranty coverage
- international services, including shipping

### ACCESSORIES +1 402.475.2611 | 800.228.4277

- Fast turntimes and expedited AOG services
- Specialty areas:
  - batteries/power supplies
  - electronics
  - electromechanical
  - pneumatics
  - hydraulic fluids/fuel
  - landing gear
  - multiple Non Destructive Testing (NDT) certifications
  - stab actuators
  - hydrostatic testing
- Authorized sales, service and support for multiple component and equipment manufacturers with a warranty up to 24 months
- Accessory test equipment is calibrated using NIST certificate traceability
- Additional services:
  - equipment calibration
  - overhaul and repair
  - international service
  - parts and loaners
  - warranty policies
  - shipping
- Nearly 11,000 square feet of shop space

### AVIONICS & INSTRUMENTS +1 402.475.2611 | 800.562.6377

- Inspect, install, troubleshoot, service and repair virtually every type of equipment your aircraft might have or need to have while on board
- Fast turntimes and expedited AOG services
- Specialty areas include:
  - ADF
  - Radar
  - Autopilot
  - NAV/COM
  - PST
  - DME/PDR
  - Indicators
  - Gyros
  - Calibration
- More than \$10 million inventory of avionics and instrument loaners
- Large piece parts inventory
- More than 95 percent of the time, we have the part on-hand to complete the repair
- Less than 1 percent warranty claim rate
- International Certification sign-off on 10 countries

### PARTS & ROTABLES +1 402.475.2611 | 800.228.1836

- A Parts & Rotables Sales Representative is available 24/7/365
- No AOG or expedite fees on urgent orders, including holidays and weekends
- \$45 million inventory of parts, exchanges, avionics, consumables and rotatable units
- Parts, exchanges and inventory sold throughout the world using door-to-door carrier services
- Virtually zero downtime with exchange units versus overhaul or repair turntimes
- Parts or exchange locator services offer a truly one-stop, one-call service for all corporate jet aircraft
- Engine parts, piece parts, maintenance consumables, OEM factory exchanges and more
- More than 485,000 line items, plus preferred vendor inventories at our fingertips
- We buy avionics equipment, airframe components, engine accessories and parts inventories