



## AIRFRAME & ENGINE INFORMATION & CAPABILITIES



### AIRFRAME CAPABILITIES

Lincoln, Nebraska; Battle Creek, Michigan; and Provo, Utah:

- All hourly, calendar and special inspections
- A&P and IA-qualified aircraft inspectors
- Factory-trained specialists
- 24/7 maintenance & troubleshooting assistance
- Prepurchase evaluations and import capabilities
- Expert service bulletin recommendations
- Computerized aircraft maintenance tracking system: Duncan Tracker
- Factory warranty service issues, windshield replacement, structural, corrosion and sheetmetal repairs and fuel leak repairs

### AIRFRAME AUTHORIZATIONS

- Authorized Challenger 300, 600 Series Service Center-BTL & PVU
- Authorized Global Service Center - PVU
- Honeywell Authorized GTCP36-100 and GTCP36-150 Series APUs

### IN-HOUSE LANDING GEAR CAPABILITIES

- More than 300 in-house Challenger landing gear inspections and overhauls
- More than 90,000 hours of Challenger landing gear experience
- Ability to order directly from SmartParts
- In-house rotatable parts inventory helps control costs and turntime

### ENGINE CAPABILITIES

Rapid Response Technicians

- On-call 24/7 for on-site engine repairs and service
- 17 launch offices throughout the United States

Honeywell HTF7000/HTF7350 (AS907)

- HTF7000 Line / Minor Level Honeywell Authorized Service Center
- HTF7000 2000 hr. combustion chamber changes
- HTF7000 4000/8000 hr. borescope inspections and periodic maintenance
- HTF7000 New engine warranty, Service Bulletin and AD compliance
- HTF7000 Vibration survey and fan balance
- Troubleshooting, ECFR and fault diagnostics

General Electric CF34

- Engine removal & reinstallation
- Major/Hot Section/Line level maintenance
- Mid-point inspections
- Video borescope inspections
- ACES balancing equipment
- FOD inspection & repair/lightning strike
- Overhaul management services
- Compressor washes
- Unscheduled maintenance and troubleshooting (in-house and in-the-field)

Honeywell ALF502

- Engine removal and reinstallation
- Unscheduled maintenance and troubleshooting

### APU CAPABILITIES

- Access to Honeywell rental APU bank
- Performance evaluations / troubleshooting
- Line maintenance and R&Rs
- Hot section inspections
- Borescope inspections
- Honeywell periodic hourly inspections

### ENGINE/APU AUTHORIZATIONS

- Honeywell HTF7000 Minor/Line Service Center
- GE CF34 Major/ Hot Section/ Line Service Center
- Honeywell GTCP36-100 and GTCP36-150 Series APUs
- Honeywell ALF502 Line Service Center



## INTERIOR & PAINT INFORMATION & CAPABILITIES



### INTERIOR CAPABILITIES

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

### INTERIOR OFFERINGS

- S-curve galley cabinet
- New shell kits
- One-piece window panels
- New pleated window shades
- Configuration changes
- New drinkrails and executive tables
- New lightweight executive chairs
- Thermal and acoustic insulation packages
- LED lighting systems
- Entertainment systems

### PAINT

Duncan Aviation is famous for its high-quality paint job on Challengers. This reputation has been earned over the years by consistently delivering high quality, long-lasting paint jobs and by the unmatched attention to detail and innovative paint processes we perform.

In addition to unmatched quality, Duncan Aviation also offers the shortest downtime in the industry. We can repaint your Challenger in as little as 20 calendar days.

Duncan Aviation is experienced with painting all models of Challengers; from the Challenger 300 through the Challenger 600 Series. For each paint project, our teams complete a detailed six-page paint debrief that outlines all the details necessary to ensure the paint job is completed to the customer's exact specifications and will last for years to come.

### PAINT CAPABILITIES

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



## AVIONICS INFORMATION & CAPABILITIES



### MODIFICATIONS & INSTALLATIONS

Duncan Aviation offers complete avionics installations capabilities including:

- Satcom systems
- Radar
- Datalink
- Complete radio packages
- Lighting upgrades
- Cockpit refurbishment
- Cabin entertainment packages—audio & video
- Wi-Fi/HSD upgrades

### STCS

Challenger 600/601:

- CPDLC/FANS 1/A+
- RVSM (600-1A11)
- TAWS w/ MFD
- DFDR
- Triple AHRS
- Aircell ATG 4000/5000 HSD
- Honeywell N-Z 2000 6.1/LPV
- UNS EFI-890
- GH-3000
- TCAS II
- Mark VII EGPWS
- Standby Battery System
- Universal FMS WAAS/LPV
- Thrane & Thrane Satcom

Challenger 604:

- DFDR
- TAWS
- Aircell ATG 4000/5000 HSD

Challenger 300:

- Aircell CTR Wi-Fi

### ENGINEERING DESIGNATIONS

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



## 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