

CHALLENGER

+1 402.475.2611 | www.DuncanAviation.aero | 800.228.4277



AIRFRAME & ENGINE INFORMATION & CAPABILITIES



AIRFRAME CAPABILITIES

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

- All hourly, calendar, landing, 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 Service Facility on all Challenger models at all three facilities
- Authorized Challenger 300, 600 Series Service Center-BTL & 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
- 18 launch offices throughout the United States

Honeywell HTF7000/HTF7350 (AS907)

- HTF7000 Line / Minor Level Honeywell Authorized Service Center
- HTF7000 4800/9600 hr. borescope inspections and periodic maintenance
- HTF7000 New engine warranty, Service Bulletin and AD compliance

- HTF7000 Vibration survey and fan balance
- HTF7000 (AS907) #4 carbon seal and aft sump repair for trending oil pressure (Bimodal Repair)
- HTF7000 (AS907) Hot section borescope inspection/compressor section borescope inspection
- Duncan Aviation fleet of HTF7000 & HTF7350 rental engines
- Troubleshooting, ECFR and fault diagnostics
- Turbine blade replacement

General Electric CF34

- Engine removal & reinstallation
- Line level maintenance
- 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)

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 Line Service Center
- Honeywell GTCP36-100 and GTCP36-150 Series APUs

PRE-PURCHASE EVALUATIONS

We offer custom Duncan Aviation Pre-Purchase evaluations that utilize extensive checklists derived from historical analysis to pinpoint hot spots and minimize buyer risk.

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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.

Duncan Aviation offers hydrographic solutions. Hydrographics create the ability to replicate a variety of textures and designs to an aircraft interior while providing a lightweight, durable finish at an incredible value compared to genuine materials like leather, stone, or wood veneer.

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
- 3-D rendering capabilities
- Hydrographic Solutions
- Switch panel bezel mods for Venue CMS upgrade

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

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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
- Avionics service plans (HAPP, CASP, etc.)

STCS

Challenger 600/601:

- CPDLC/FANS 1/A+
- RVSM (600-1A11)
- TAWS w/ MFD
- DFDR
- Triple AHRS
- Gogo ATG 4000/5000 HSD
- Honeywell N-Z 2000 6.1/LPV
- Gogo AVANCE L5
- 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
- Gogo AVANCE L5
- Gogo ST 4300

Challenger 300:

- G CTR Wi-Fi
- Gogo AVANCE L5
- ACA Ionizer installation (STC packages available)

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)

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ALL COMPONENT EXCHANGES, OVERHAULS, REPAIRS AND LOANERS



- Free technical advice, troubleshooting, and sales support 24/7/365
- Complete component overhaul
- Parts and loaners
- International services, including shipping hazardous materials
- Repair and testing
- Tool and equipment calibration
- Fast turntimes and expedited AOG services
- Sales and exchanges
- Warranty coverage
- International Certification sign-off on 10 countries

ACCESSORIES +1 402.475.2611 | 800.228.4277

- Specialty areas:
 - batteries
 - hydraulic/pneumatics
 - hydrostatic testing
 - electronics
 - landing gear
 - machining/welding
 - electromechanical
 - nondestructive testing (NDT) certifications
- Accessory test equipment is calibrated using NIST certificate traceability

AVIONICS & INSTRUMENTS +1 402.475.2611 | 800.562.6377

- Specialty areas include:
 - autopilot/flight director systems
 - navigation/communication systems
 - ADI (attitude direction indicators)
 - HSI (horizontal situation indicators)
 - radar systems
 - ADF receivers
 - transponders
 - pitot static instruments
 - DME transceivers
 - flight management systems
 - gyros
 - audio control systems
- Honeywell Legacy SPEX/MSP Service Center
- More than \$10 million inventory of avionics and instrument loaners

PARTS & ROTABLES +1 402.475.2611 | 800.228.1836 | PRS.SALESTEAM@DUNCANAVIATION.COM

- Customer support available 24/7/365 via phone, email, or live chat
- Parts & rotables sales & exchange
- Managed rotatable inventory
- Buy excess/surplus equipment
- International parts & rotatable sales
- Parts acquisition & consignment
- Preferred vendor program
- Online parts & capabilities search

Send your available parts list to:

Avionics: WeBuyAvionics@DuncanAviation.com

Accessories: WeBuyComponents@DuncanAviation.com.