



INFORMATION & CAPABILITIES



DUNCAN AVIATION EXPERIENCE

- Challenger landing gear experts since 1999.
- More than 300 in-house Challenger landing gear inspections and overhauls.
- More than 90,000 hours of Challenger landing gear experience.

CUSTOMER PARTNERSHIP

All customers receive a comprehensive teardown report. This report details the maintenance options available, giving the customer the opportunity to review discrepancies and photos, inspect parts and provide input on how they would like to proceed.

ENGINEERING PROCEDURES

Discrepancies, such as corrosion, are almost always present during a landing gear inspection. These discrepancies are addressed in a manner that complies with OEM requirements when possible, or by utilizing aftermarket engineered repair options to ensure the continued life of the gear. Repairing rather than replacing expensive parts results in a huge savings for customers, while still assuring top-notch quality.

THE DUNCAN AVIATION DIFFERENCE

Duncan Aviation will save you 30-35 labor hours by removing and performing a complete disassembly, inspection, reseal, and repaint of the brake pipes when applicable and swivel fitting of the MLG struts. This includes, inspection of all wiring harnesses and the reinstallation of the components. The result is a clean, ready-to-install assembly showing high attention to detail.

- Dedicated in-house landing gear paint team
- Large piece part inventory to lower runtime
- Three cost control pricing structures
 - Flat rate, no bill back pricing
 - Not to exceed pricing
 - Standard overhaul pricing
- Detailed Life Limit Logs provided
- In-house Non-Destructive Testing (NDT)

WARRANTY

- 36 months or 1000 cycles for most
- 96-month detailed inspections come with two-year warranties

IN-HOUSE DIGITAL MILLING MACHINE

- Quicker turntimes
- Reduced shipping costs and delays
- No expedited AOG charges from vendors

PARTS

- Large major parts and spares inventory
- Loaner sidebrace actuators for 604/605/300
- Hardware is replaced or replated
- Ability to order directly from SmartParts
- In-house rotatable parts inventory helps control costs and runtime
- Two complete sets of Challenger 604 landing gear parted out for rotatables

INSPECTION INTERVALS

Challenger 600/601

- 60-month detailed inspection
- 120-month restoration

Challenger 604 / 605 / 300

- 96-month detailed inspection
- 192-month restoration