

Reducing Costs with **FCAH Aerospace DER Capabilities**



- Introducing our Speaker
- A brief overview of FCAH Aerospace
- A deep dive into **AVI Aviation Inflatables** DER Major Repairs
- An introduction to **Cargo Repair's** new DER Capabilities for Collins Caster Panels
- Questions/Closing Statement

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Our About FCAH Aerospace



About FCAH Aerospace

FCAH Aerospace includes a family of brands that collectively provide comprehensive aftermarket aviation solutions, focused on delivering high-quality OEM, PMA, and aftermarket parts, maintenance, repair, overhaul, storage, disassembly, emergency equipment, and customer service with care and urgency.

Our brands include Air Cargo Equipment, AVI Aviation and its divisions, Cargo Repair, Cobalt Aero Services, and First Class Air Support.

Visit our website to learn more
<https://fcahaerospace.com>

Total Square Footage

Over 434,000 square feet of warehouse space

Locations

10 locations and 15 distribution centers

Customers

Supporting over 750 Customers

Solutions

- Offering Specialized repair solutions for cargo loading systems and components
- Providing More than 2M Parts including PMA
- Reducing cost by up to 60% with DER Capabilities
- Specializes in maintaining, repairing, and overhauling of large components
- Manufacturing Compact Lightweight Survival Rafts for aviation Industry
- Supporting your End of Life with Teardown capabilities

Aviation Inflatables DER Major Repairs



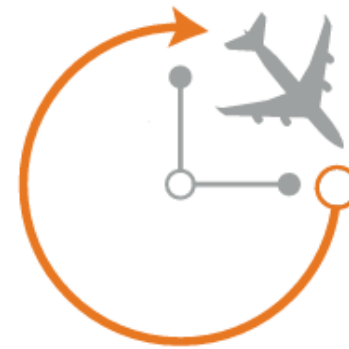
What are the Benefits to our AVI Aviation Inflatable's Major Repairs?



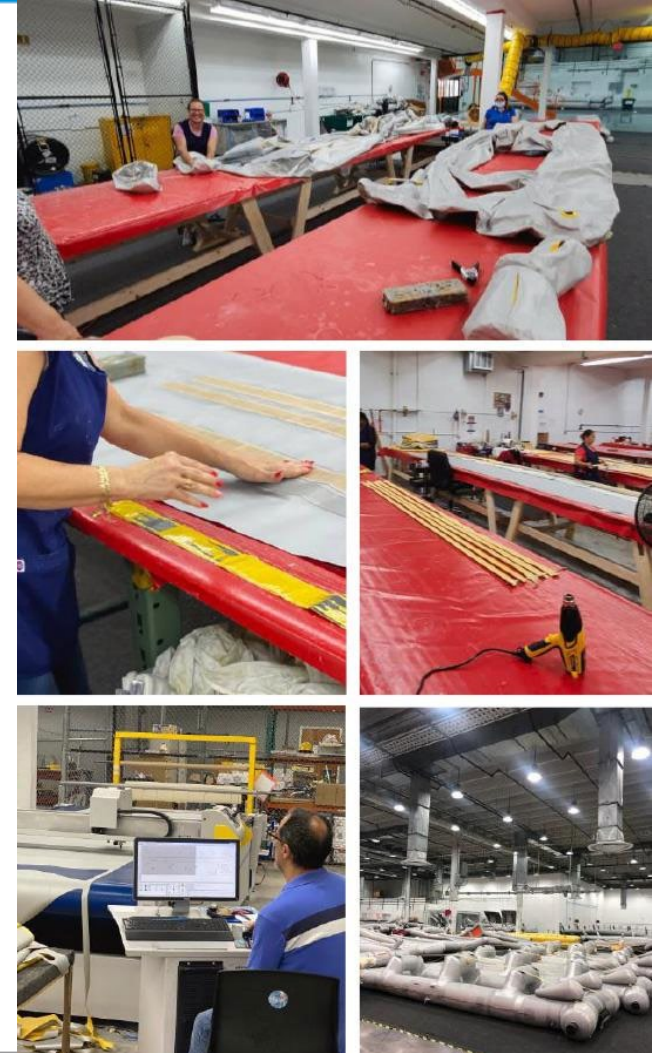
Extend the Operational Life by 15 Years



Reduce Costs by 40% to 60%



Reduced Turn Around Time by 40%



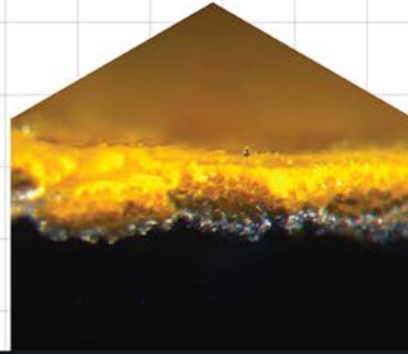
The Development Process



1. Dimensional Analysis



2. Deconstruction of the Unit



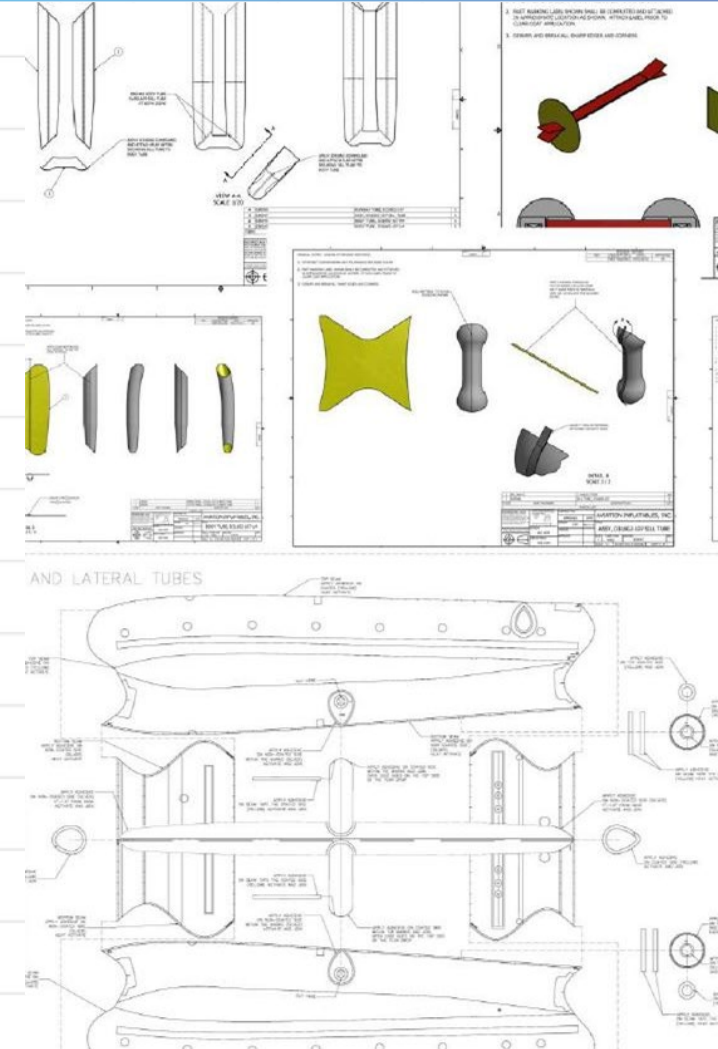
3. Material Analysis



5. Patterns Cut & Assembled



4. 3D Model



The Validation Process



1. Testing CMM



2. Sill Height Testing Deployment



4. Burst Pressure Testing



3. Beam Strength Testing



Delivering on Quality

- Assembly Techniques
- Inspection Points
- Assembly Tools
- Same Testing Requirements
- Same Quality of Work



OEM

AVI

Slide-by-**Slide**
Comparison



EASA & FAA APPROVED;
A DUAL RELEASE 8130-3 WILL
BE ISSUED WITH EACH REPAIR!



**Federal Aviation
Administration**

AVI Aviation Inflatables offers DER Major Repairs for:

- MD80, MD88, 717 - FWD, REAR, TAILCONE DOORS
- A319, A320, A321 - FWD & AFT DOOR
- MD 11 - DOOR 1
- 737 - FWD & AFT DOOR
- DC8 - FWD & AFT DOOR
- 757 - DOOR 1 • E190 - FWD & AFT
- A319, A320, A321 – OFF-WING
- 747 SUD EMERGENCY EXIT DOOR

U.S. Department of Transportation
Federal Aviation Administration

Operations Specifications

A003 - Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision: 01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

None Authorized

Limited Ratings

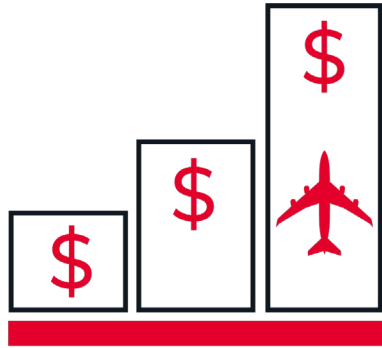
Rating	Manufacturer	Make/Model	Limitations
Emergency Equipment	From the current accepted Capability List, as amended	From the current accepted Capability List, as amended	Authorized to perform maintenance and alterations. Work shall be performed in accordance with the manufacturers current technical data, the customers air carrier manual or other data acceptable to the Administrator.
Emergency Equipment	Air Cruisers	MD80, MD88, MD90, Boeing 717	Repair Procedure that are contained in Aviation Inflatables Repair Procedure AI-MR-001, AI-MR-002, and AI-MR-003, as revised.
	Air Cruisers	A319, A320, A321 and B767	Repair Procedure that are contained in Aviation Inflatables Repair Procedure AI-MR-004, as revised.
	Air Cruisers	A319, A320, A321	Repair Procedure that are contained in Aviation Inflatables Repair Procedure AI-MR-005, as revised.
	Goodrich	EMB190, EMB195	Repair Procedure that are contained in Aviation Inflatables Repair Procedure AI-MR-017, as revised.
Emergency Equipment	Goodrich	EMB190, EMB195	Repair Procedure that are contained in Aviation Inflatables Repair Procedure AI-MR-018, as revised.
	Accessories	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.
Radio	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Authorized to perform maintenance and alterations. Work shall be performed in accordance with the manufacturers current technical data, the customers air carrier manual or other data acceptable to the Administrator.

*Take advantage of the newest addition
to the AVI Aviation DER Capabilities:
The B747 Stretch upper deck (SUD) slide*

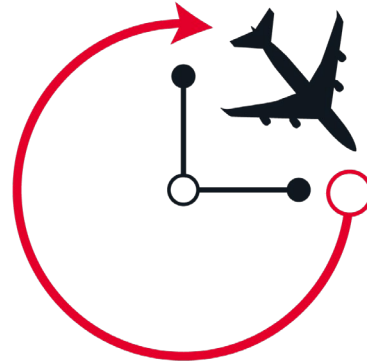


Cargo Repair DER for Collins Caster Panels

What are the benefits of **Cargo Repair** DER capability for Collins Casters panels?



Cost-Saving



Reduced Lead Time



Before and After DER



BEFORE

- Damaged panels had to be completely discarded because the original manufacturer no longer supplied repair parts.
- New assemblies required long lead times from the OEM

But now, with our DER repair option, you have an economical and cost-saving solution for these panels that were once considered beyond economical repair (BER).

AFTER

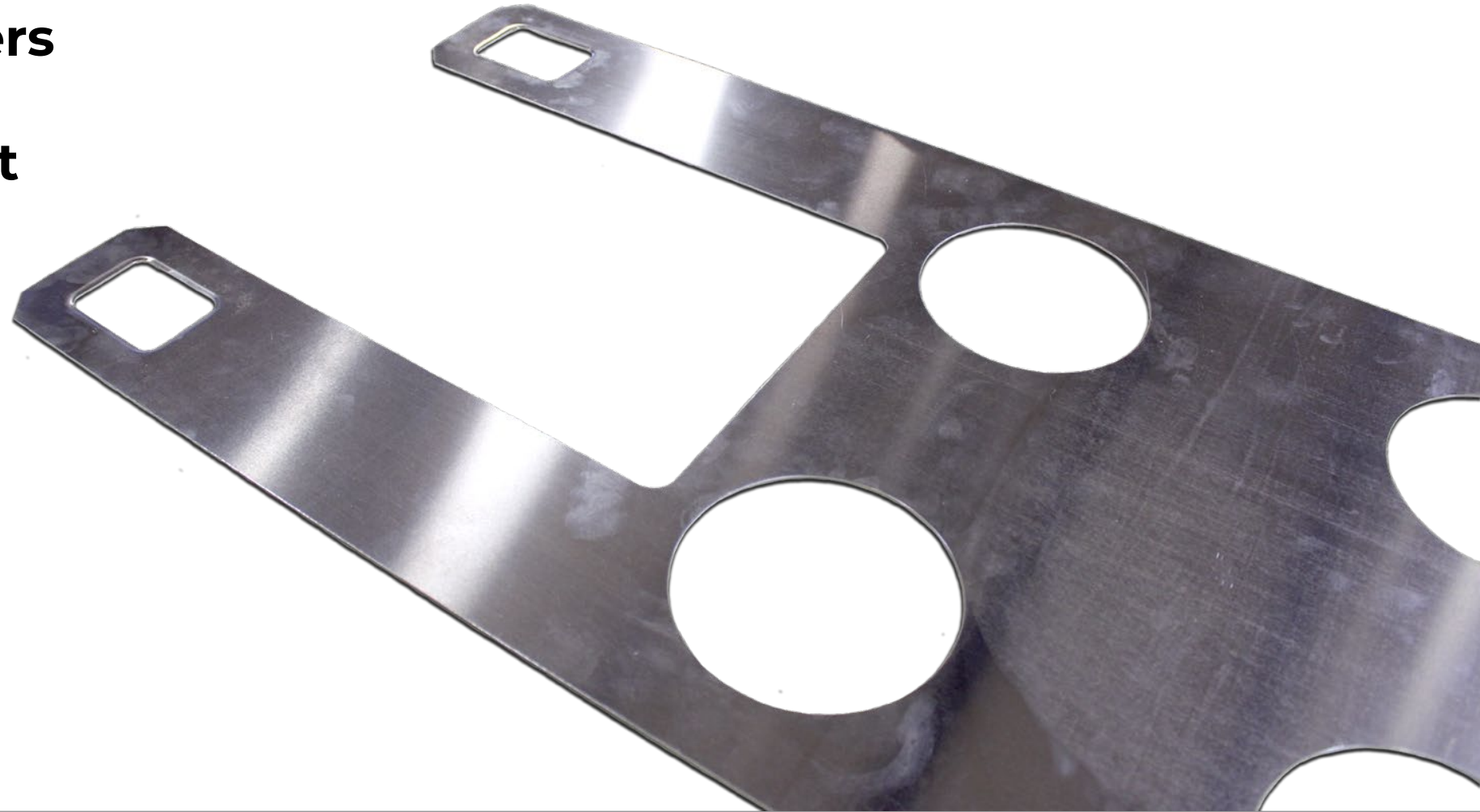
With our DER repair option, you have an economical and cost-saving solution for these panels that were once considered beyond economical repair (BER).

You can have your assembly repaired at a fraction of the cost and receive it in just a few weeks, saving you both time and money.



Cargo Repair offers
**DER Repairs for
the following part
numbers:**

- 7M1650-1
- 7M1652-1
- 7M1653-1
- 7M1654-1
- 7M1655-1
- 7M1656-1
- 7M1659-1



Thank You!

Questions?