



# Complete Support Solutions

*For F-5 & T-38 Aircraft*



COC Aerospace - Proprietary and Confidential Company Information



# ABOUT COC.....

# 50 Years of Excellence



**1967**

Incorporated New York 'C'  
Corp Supported Agusta / Bell  
Licensee MFG Agreement

**1970s -80s**

Agusta Bell Intl customers  
come to COC for all types of  
military spares

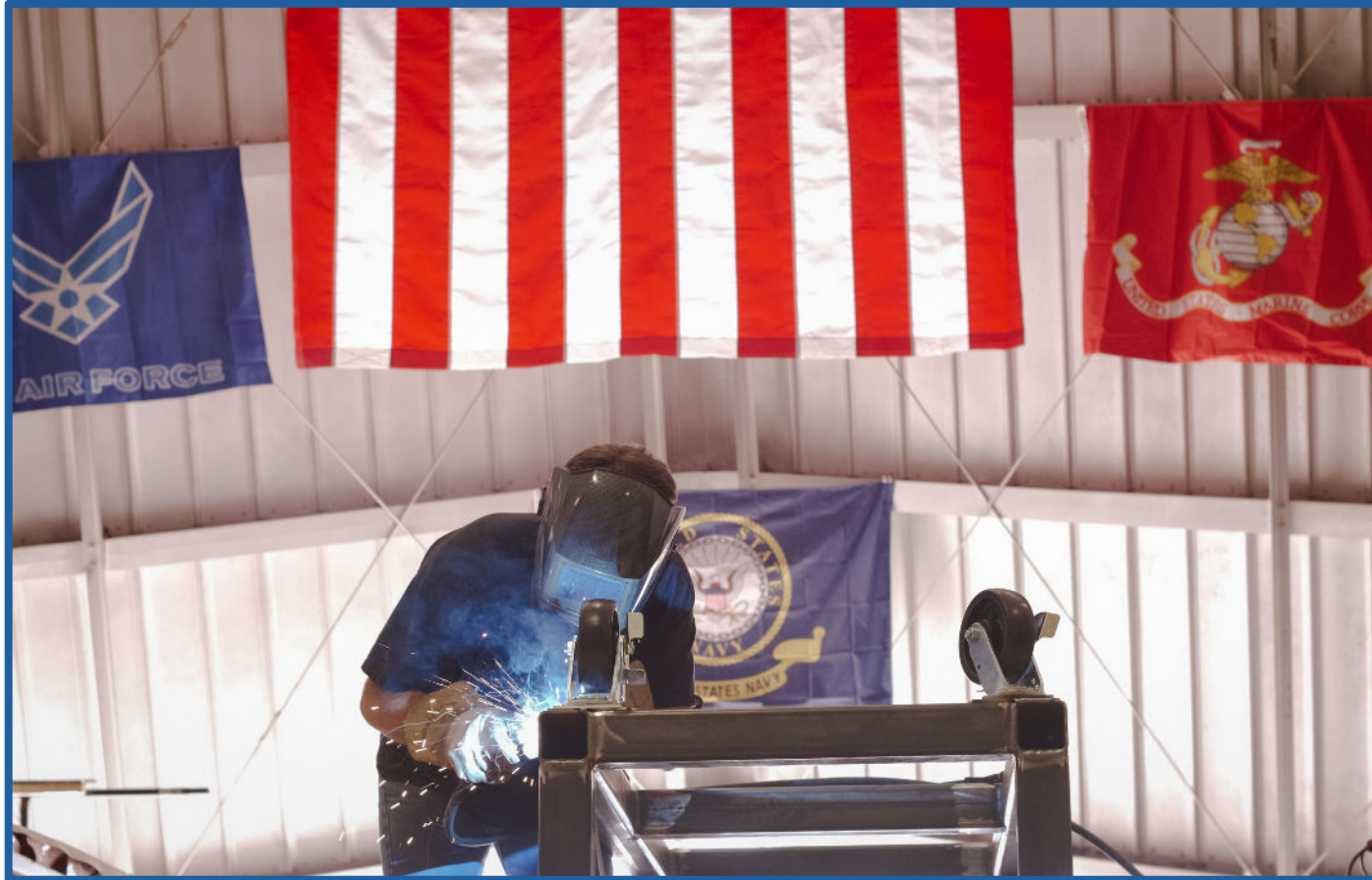
**1992-2005**

COC appointed Northrop  
Licensee  
Total Support F-5 / T-38

**2006-Present**

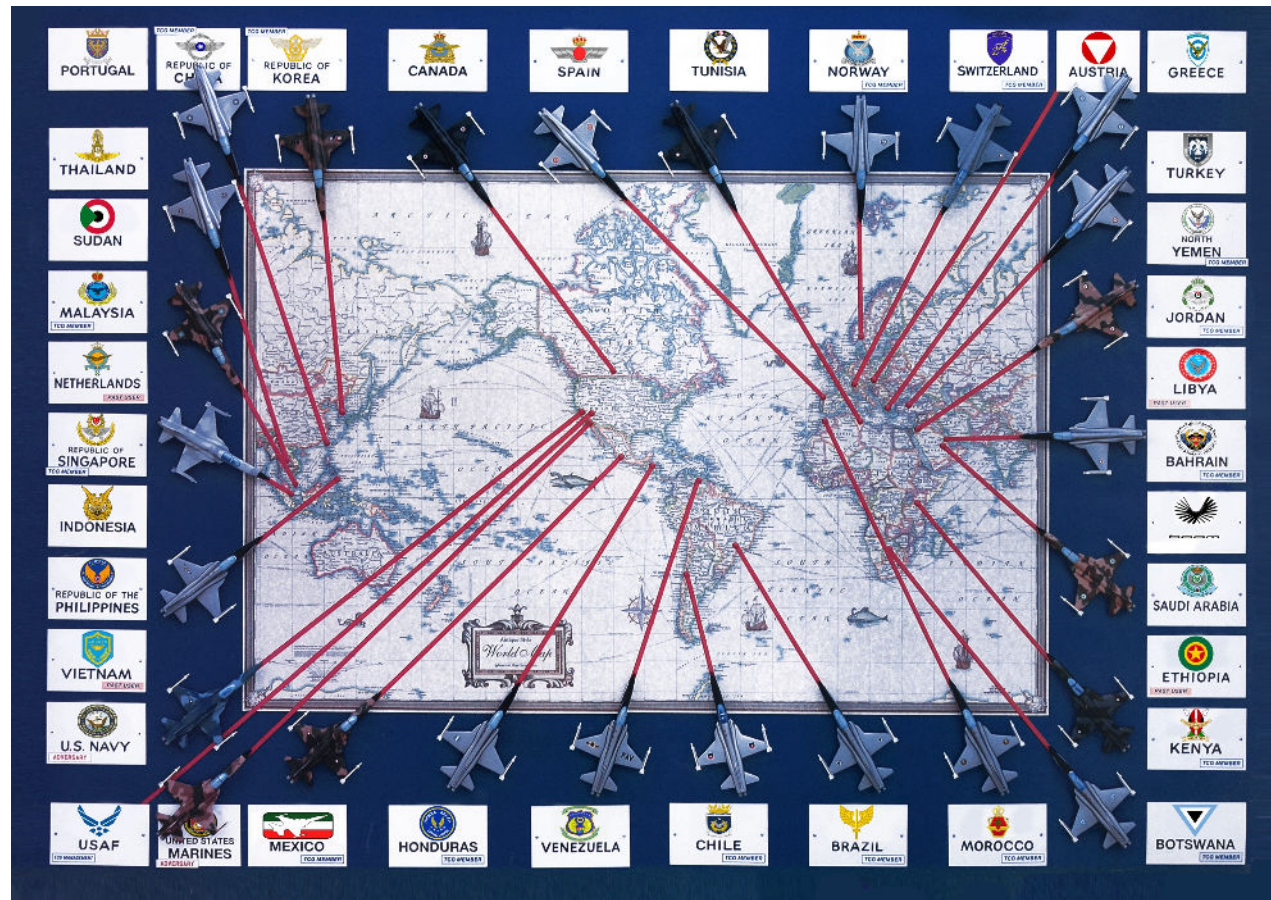
COC begins F-5 Airframe Life  
Extension. Dec 2016, files U.S.  
Patent for Aero-Structures  
Refurbishment

# Introduction to COC Aerospace's Complete Support For Northrop F-5 Aircraft





# COC's Global Support



# The Challenge



**30+ Year Old F-5 Aircraft:**

**Structural Damage & Corrosion**

**Cost Prohibitive:**

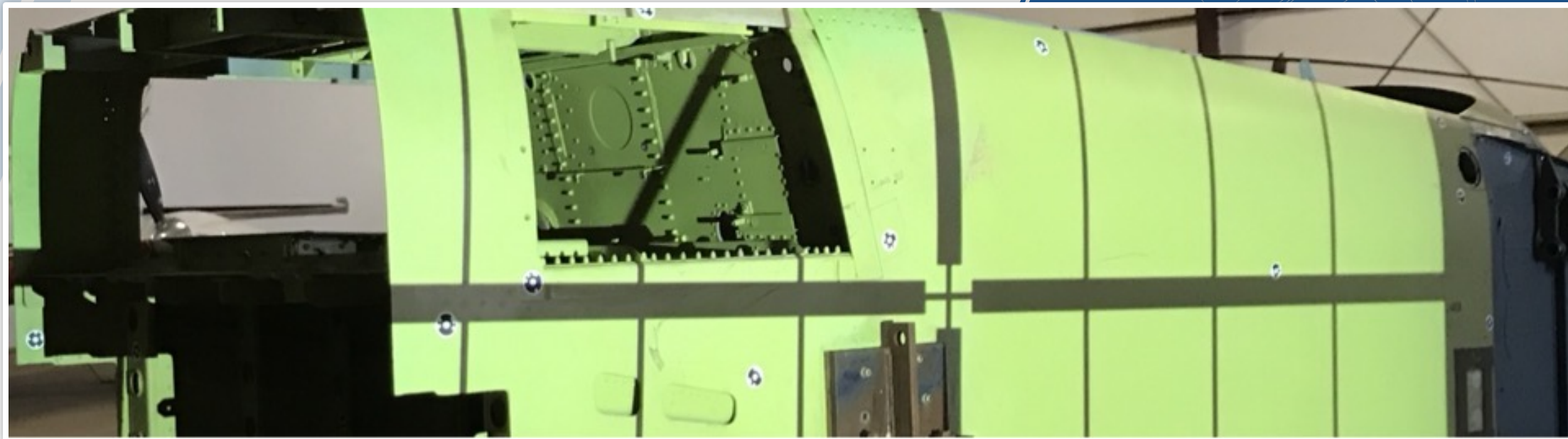
**Manufacture of new replacement parts too expensive**

**Time Prohibitive:**

**To repair aircraft using traditional methods, too slow**



# COC's Advanced Technologies



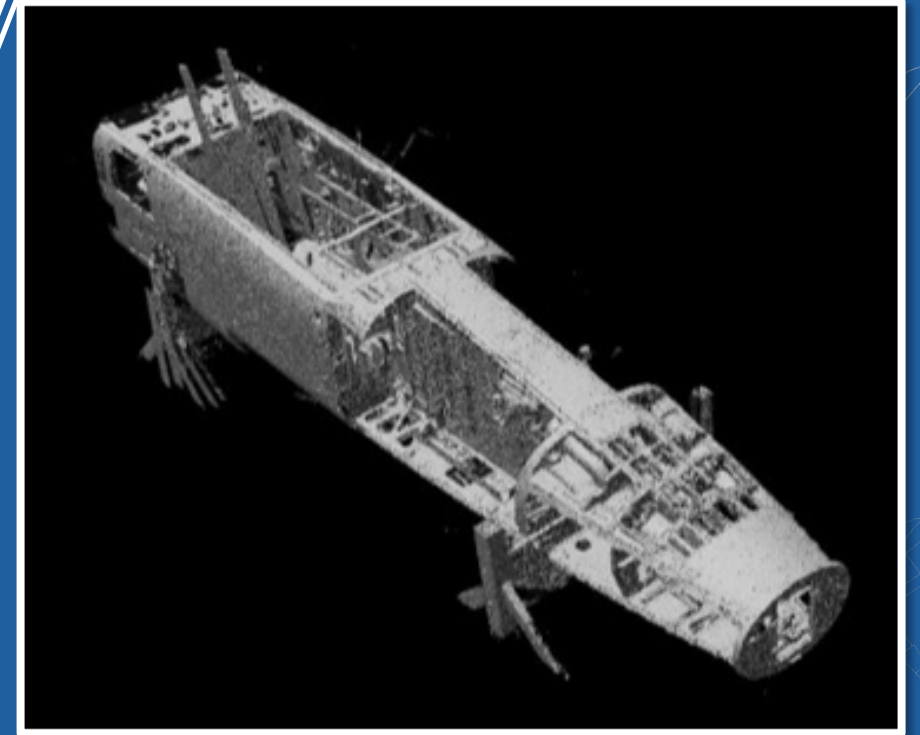
**COC's Advanced Technologies:**

Enable repairs to be performed over 4 times faster at less than half the costs of traditional methods.

# Scanning

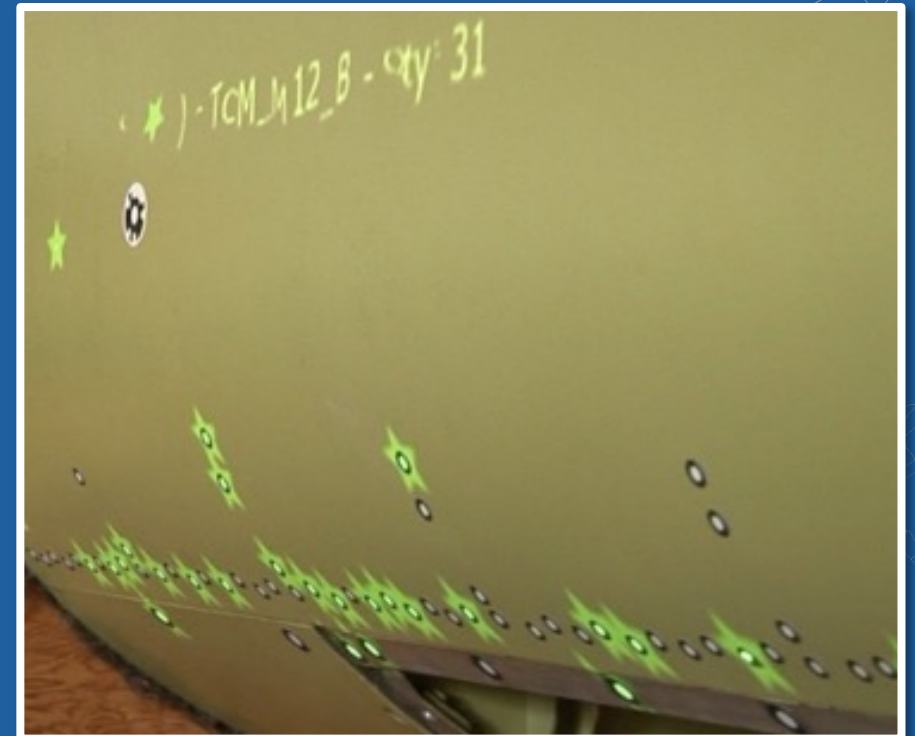
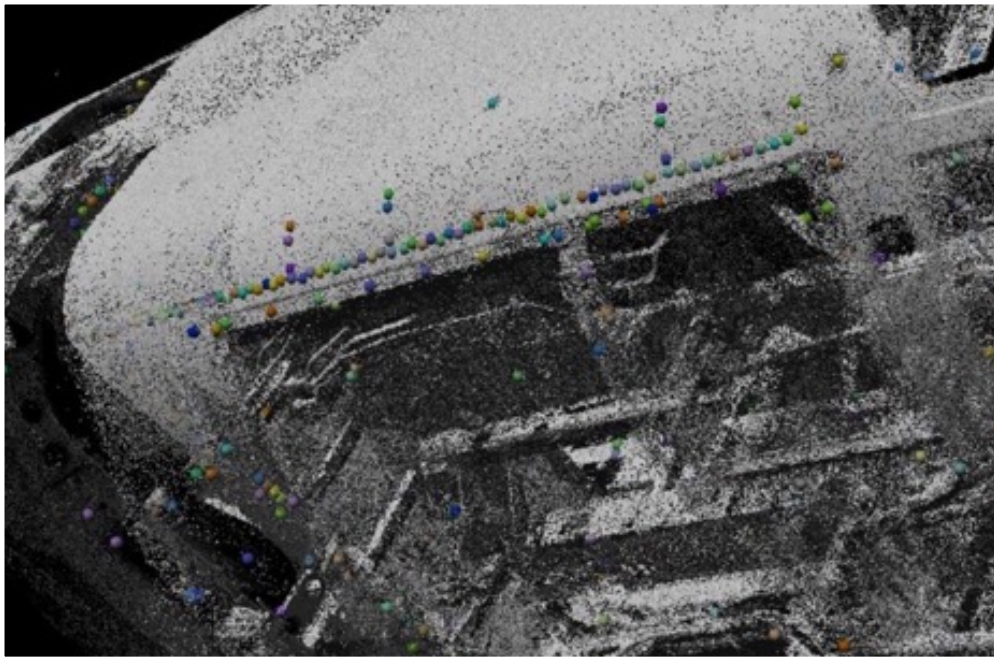


**‘Scanning’ uses High Resolution digital cameras that capture all the surfaces and features of the structure in exacting detail.**



# Video Projecting

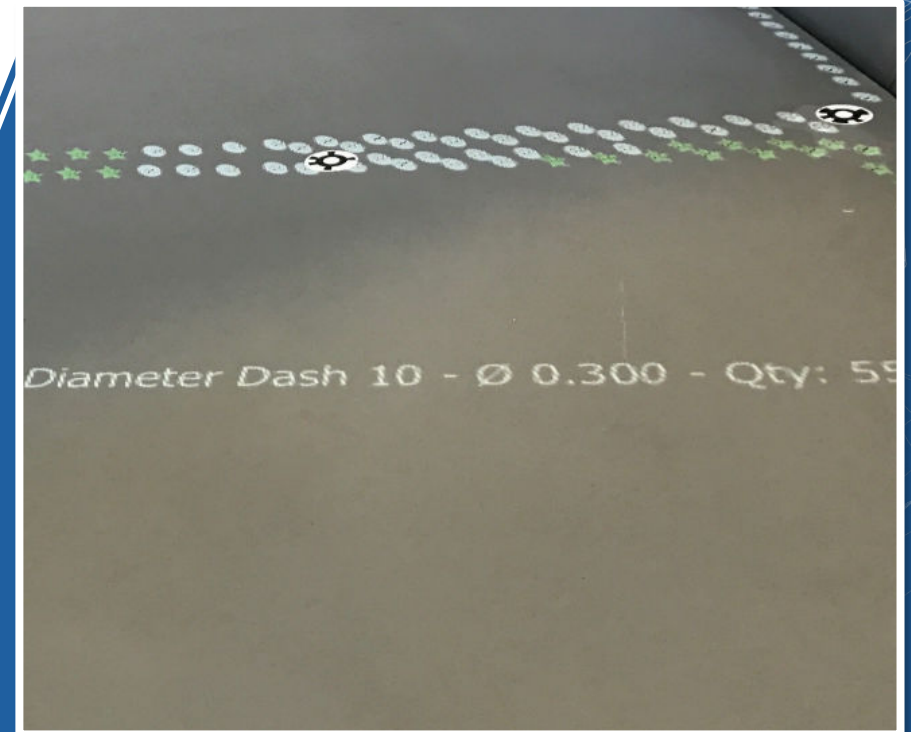
- ✈ The Photogrammetric Data is converted into Video Projections to locate features like fastener locations.
- ✈ COC uses different shapes and colors, like Green Stars, to identify the different types of fasteners.





# Video Projecting

- ✈️ Eliminates miss-drilled holes and wrong fastener installation
- ✈️ Reduces weeks of labor time and provides 'controlled training' without risk to parts



# Video Projected Tool Fixture

- ✈ Controls the location of the drills, allowing tools to be guided to exact locations.
- ✈ Less skilled technicians can perform the work of highly skilled technicians.



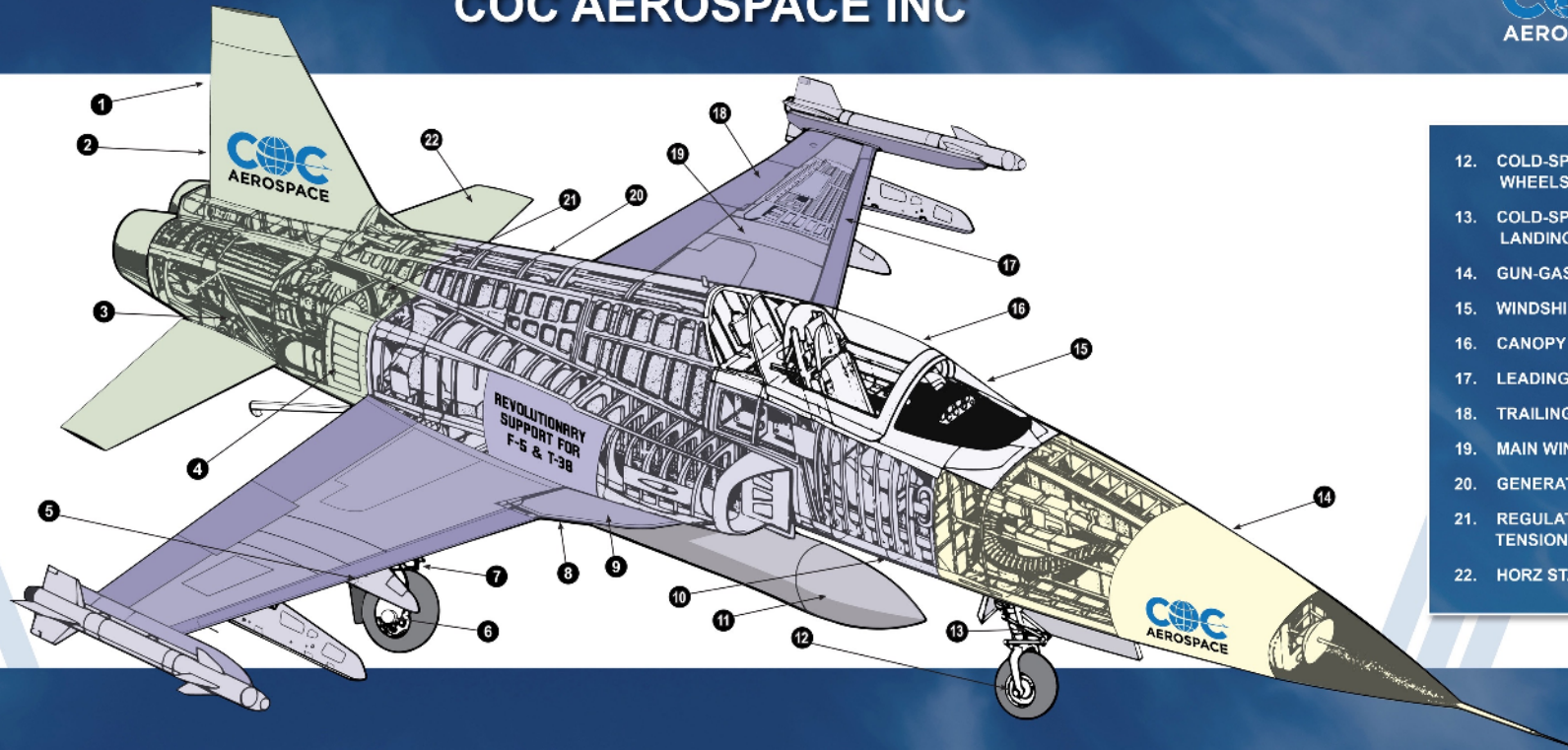
# PARTS WE REFURBISH, REPAIR & MANUFACTURE



COC AEROSPACE INC



1. VERT TRAILING EDGE
2. RUDDER
3. HORN HORZ STABILIZER
4. AUX-AIR-ACTUATOR  
14-50901-5
5. SEQUENCING SWITCH
6. PARKING BRAKE &  
ANTI-SKID
7. COLD-SPRAY REPAIR MAIN  
LANDING GEAR
8. ADAPTER, FUEL DRAIN
9. LEX, W-6\_IHQ PKG
10. COCKPIT LONGERONS
11. 275 GAL CENTERLINE  
FUEL TANK



12. COLD-SPRAY REPAIR  
WHEELS
13. COLD-SPRAY NOSE  
LANDING GEAR
14. GUN-GAS DEFLECTOR
15. WINDSHIELD REPAIR
16. CANOPY REPAIR
17. LEADING EDGE FLAPS
18. TRAILING EDGE PANEL
19. MAIN WING PANEL
20. GENERATOR
21. REGULATOR\_CABLE  
TENSIONER
22. HORZ STABILIZER

REVOLUTIONARY SUPPORT FOR NORTHROP F-5 & T-38 AIRCRAFT





**The COC F-5 Team - [www.coc-aerospace.com](http://www.coc-aerospace.com)**



**EXPERIENCE** - OVER 5 DECADES YEARS SUPPORTING LEGACY AIRCRAFT  
**CUSTOMER SERVICE** - OVER 50 YEARS SUPPORTING THE SAME CUSTOMERS  
**TRUST** - ABOVE ALL, WE ALWAYS DO THE RIGHT THING



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