

# F-15 Heat Exchanger Capabilities

Increased Efficiencies and Significant Cost Savings



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# Military F-15 Heat Exchangers

## Maintaining and Extending the Life of Military Aircraft

Wall Colmonoy Oklahoma City specializes in the manufacture and overhaul of the Fin & Plate configuration F-15 Primary Heat Exchangers.

Wall Colmonoy OKC's brazing and manufacturing expertise has resulted in increased efficiencies and significant cost savings in maintaining and extending the life of critical F-15 operations for the US Air Force (USAF).

Wall Colmonoy developed the first heat exchanger re-core procedures for the US Air Force (USAF), and has overhauled 2,400+ Heat Exchangers for the USAF. Wall Colmonoy built on its experience with the re-core of Heat Exchangers to develop its own design and manufacturing processes for the Fin & Plate configuration F-15 Primary Heat Exchanger, and became a USAF-approved source for Both Manufacture and Overhaul of this part.

Wall Colmonoy OKC has manufactured more than 500 F-15 Fin & Plate Heat Exchangers for DLA (USAF) & Foreign Military Services (FMS).



Description	Part Number	NSN
Primary Heat Exchanger Fin & Plate (New Manufacture & Overhaul)	WF15HX01 8140-1	1660-01-341-7295

# F-15 Primary Overhaul / New Manufacture / Re-Core

## Capabilities

Wall Colmonoy OKC's process capabilities for heat transfer products include reverse engineering; in-house fin manufacturing; in-house metal stamping and forming; and in-house brazing and heat treating.

Heat transfer assemblies are manufactured and overhauled to meet stringent U.S. military requirements including operation under environmentally extreme conditions from -65 to 1650°F (-54 to 900°C). Corrosion durable assemblies resist cracking and failure over long-term use.

## Repair, Overhaul / Re-core and Test

- New Manufacture
- Overhaul / Re-Core
- Core Manufacture
- Reverse Engineering

## Building Cores is our Core

Capabilities include in-house manufacturing of all core details including fin material, high volume capacity for Inconel cores, and shelf stock inventory of ready-to-use replacement cores to support quick turnaround times for the Foreign Military Service Community. Overhaul / Re-Core pricing for FMS users available upon request.

- High volume capacity for Inconel Cores
- In-House manufacturing of all core details, including fin material
- Overhaul / Re-Core IAW T.O. 15A4-85-3 and USAF Approved Re-Core Process
- Pricing for FMS Users Available Upon Request

## Pioneers and Today's Leading Experts

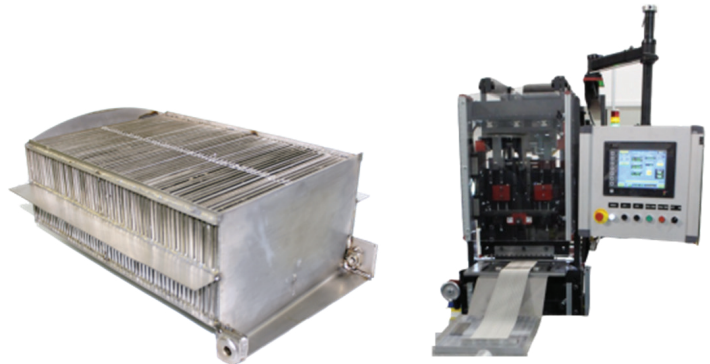
Wall Colmonoy developed the very first heat exchanger overhaul procedure for the US Air Force. Prior to that in the 1950s, Wall Colmonoy invented Nicrobraz® nickel-based brazing filler metal and pioneered high temperature furnace brazing. Even today, Nicrobraz® is used extensively in heat exchanger manufacture and overhaul.

Wall Colmonoy OKC continues to develop its brazing and manufacturing expertise resulting in increased efficiencies, significant cost savings and performance improvements.

For inquiries, email [aet@wallcolmonoy.com](mailto:aet@wallcolmonoy.com)



*Wall Colmonoy developed the overhaul / re-core process for the USAF and is an approved contractor.*



*In-House manufacturing of all core details, including fin material.*





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**Wall Colmonoy. Making Metals Work Harder Since 1938.**

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