

550th COMMODITIES MAINTENANCE SQUADRON

MISSION

The 550th Commodities Maintenance Squadron is designated as the U.S. Air Force technology repair center (TRC) for air driven accessories, instruments and oxygen equipment. More than 37,000 units are repaired/overhauled annually.

The 550th Commodities Maintenance Squadron is primary for B-1 and B-2 offensive avionics as well as flight control avionics and indicator/controls for C-5, C-130, F-15, and F-16. The test facilities encompass over 200K square feet housing automatic test and radar test equipment.

Air Accessories/Pneudraulic/hydraulic overhaul and test is performed in a 90K square feet facility built in 2003. Pneumatic functional test has 22 unique test cells and supports numerous weapon systems. End items supported include pneudraulic valves, regulators, actuators, pumps, turbines, drives, and engine accessories.

The 550th Commodities Maintenance Squadron also maintains the engines on the U.S. Air Force cruise missile inventory. The Cruise Missile Engine overhaul and Test facility is a 106,000 square foot building that supports the F107-WR-101 and the F112-WR-100 engines powering the Air-Launched Cruise Missile AGM-86 ALCM and Advanced Cruise Missile (ACM). The test facility is a self-supporting facility with Automated Engine Test Cells, Cleaning/Inspection Line, Component and Accessories Shops, Fueling and Defueling Facilities and Electro Static Discharge Areas for handling Pyrotechnics.

The 550th Commodities Maintenance Squadron ALCM Engine Overhaul facility is a self-contained maintenance repair center specializing in cradle-to-grave overhaul of engines. The 550th Commodities Maintenance Squadron has the capability to functionally test these cruise missile engines in-house when the overhaul/repair of the engine is complete.

The oxygen equipment repair facility is the single Air Force point of major repair for oxygen equipment supporting virtually every Air Force aircraft. The facility uses the latest state-of-the-art cleaning and surface preparation equipment. The facility is well equipped with both 300,000 Class controlled environment and 1200,000 Class clean room and our calibration equipment is continuously updated and operated by highly trained personnel.

LINEAGE

550th Commodities Maintenance Squadron

STATIONS

Tinker AFB, OK

ASSIGNMENTS

COMMANDERS

HONORS

Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

EMBLEM

MOTTO

NICKNAME

OPERATIONS

Air Force Lineage and Honors

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Sources

Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.