

# Structural Assembler: Structural Assembler I

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Performs a variety of operations to assemble and make major assembly structures such as fuselage panels and bulkheads, and structural subassemblies such as rudders, flaps and stabilizers. Aligns parts on jigs using templates, molds and fixtures. Performs such minor part-fitting operations as filing, sawing, de-burring, crimping, trimming, framing, riveting, drilling and reaming. Measures parts with micrometers and calipers to verify dimensions. May modify incomplete and complete assemblies to incorporate changes to structure. May monitor and verify quality in accordance with statistical process or other control procedures.

## **Knowledge**

Basic understanding of general job aspects and some understanding of the detailed aspects of the job. Maintain a clean work area per daily, monthly and yearly cleanup schedules. Be able to identify different process materials, pre-pregs and adhesives.

## **Supervision Received**

Close supervision involving detailed instructions and constant checking on work performance.

## **Consequence of Errors**

Errors can be easily and quickly detected within the immediate work unit and would result only in minor disruption or expense to correct. Maintain material logs on time sensitive materials.

## **Contacts**

Contacts are primarily within immediate work unit. Contacts involve obtaining or providing information requiring little explanation or interpretation.

## **Work Products (Examples may include but are not limited to)**

Assemble and fit pre-fabricated metallic and composite parts to form assemblies, working at benches or directly on a structure assembly fixture. Read and interpret aircraft assembly instruction plans, diagrams, drawings and other documentation in order to perform the assembly function with accuracy and with little supervision. Assemble, fit, shim and install pre-fabricated parts and subassemblies such as aircraft spars, rib, skins and fittings. Utilize hand and power tools such as drills, to assemble and fabricate components with fasteners and bonding agents. Maintain a clean and organized work area. Work with quality department personnel in order to keep production assemblies in proper sign off levels and within inspection procedure and/or specifications.

## **Minimum Education and Experience**

High school graduate or equivalent required. 1-2 years of experience with complex aircraft assembly required. Trade School certification such as Airframe & Power plant (A&P) certification is desired. Shop floor math skills, experience with following engineering orders, and the ability to read drawings or blueprints required. 1-2 years of experience using various hand and power tools required. Must be dependable and punctual.