

Aircraft assembler

Aircraft assemblers build to controlled drawings and work instructions within a production organisation. The title can cover structural or electrical/test work, so compare the actual assembly discipline. A production task qualification is not automatically an aviation-maintenance licence.

What the role does

- Assemble assigned aircraft parts or systems to controlled definition. [EMP1, EMP2]
- Check work and report obstacles or discrepancies. [EMP1, EMP2]
- Maintain work records and safe, orderly production areas. [EMP1, EMP2]

Where the work happens

Gulfstream's Tulsa structural production example and Boeing's North Charleston production/test work use shop-floor shifts.

Employer example 1

Gulfstream Aerospace • United States • Structural Mechanic I

Closed vacancy historical example • Checked 2026-10-27 [EMP1]

Category	What this employer states
Essential in this source	High-school diploma/GED and related structural-assembly experience, with a specified training-credit option. Blueprint reading, shop mathematics, English and shift availability.
Desirable in this source	Solumina and SmarTeam experience.
Other stated conditions	Role-specific physical demands and sponsorship restriction stated.

One employer and role; not a worldwide entry rule.

Employer example 2

Boeing Commercial Airplanes • United States • Aircraft Assembler Production Test Mechanic

Vacancy status unconfirmed not an offer • Checked 2026-10-27 [EMP2]

Category	What this employer states
Essential in this source	Specified experience with computer applications, instructions/drawings, tooling and electrical/avionics work. Variable shifts and job-related safety/physical requirements.
Desirable in this source	Longer relevant experience and aircraft electrical/in-flight-entertainment testing experience.
Other stated conditions	Foundational training, selection assessment and export-control conditions apply.

One employer and role; not a worldwide entry rule.

PREPARE AND VERIFY

Separate requirements from preparation

Production versus maintenance: The vacancies describe employer production training and task qualifications, not a worldwide assembler licence. Product-specific authorisations and applicable production rules remain to be checked. [EMP1, EMP2]

Still to verify: Boeing vacancy has no verified closing date in this capture; active recruitment is not assumed. No exhaustive production-approval or local task-authorisation review has been made.

Explore a realistic entry route

- Choose structural, electrical or other assembly work and compare its actual requirements rather than relying on the job title.
- Practise drawing reading, measurement and precise instruction-following with safe non-aircraft materials.
- Investigate legitimate trainee/apprentice options and ask what training and assessment must precede independent shop-floor tasks.

Build evidence of your skills

- Assemble a paper or card model from your own numbered instructions; record ambiguities and revise the instructions after review.
- Create a fictional parts checklist and demonstrate how you would quarantine an uncertain item on paper without declaring it conforming.

Prepare for an interview

Reflection prompts only, not questions claimed to be used by an employer.

- How would you handle a mismatch between the instruction and the supplied part?
- What would you do when a schedule target conflicts with completing a required check?

Investigate possible next roles

Additional assembly disciplines, trainer responsibilities or production leadership may follow demonstrated competence; inspection authority is not an automatic promotion.

Sources and scope

[EMP1] [Gulfstream Aerospace Structural Mechanic I](#)

Closed vacancy historical example. United States. Checked 2026-10-27.

[EMP2] [Boeing Commercial Airplanes Aircraft Assembler Production Test Mechanic](#)

Vacancy status unconfirmed not an offer. United States. Checked 2026-10-27.

Educational reference. Verify current requirements with the relevant authority and employer. Job-specific and country-specific conditions are not worldwide eligibility rules. Requirements shown are selected examples, not complete application checklists. A visible listing is not a guarantee that recruitment remains open. Exercises use invented, non-operational material; do not inspect, modify, repair, test or release real aircraft or components. No job guarantee.