

# Technical Work Required to Restore 1940 Taylor Craft Airplane (Coordinator: Joel Marketello)

## Major Areas:

- Fuselage, including tail feathers, tailbrace wires, elevator trim vane, stringers, fuselage cowl, fabric covering
- Landing Gear, including gear legs, shock struts, tires, brakes, wheels, tailwheel, fabric covering
- Firewall Forward, including engine/mount, propeller, hub, engine controls, instrument controls, gascolator, engine cowling
- Cockpit Group, including seat upholstery/sling, headliner, seatbelts, floorboards, instruments/panel, windshield/side windows, fuel tank, doors, control wheels, cables
- Wings, including ailerons, struts, aileron controls cables, pulleys, cable guards, fairleads, fabric covering

## Major Tasks Sequenced in Order of Accomplishment:

- Sandblast fuselage, inspect, repair, prep, paint, sandblast fuselage cowl, inspect, repair, prep, paint
- Sandblast Landing gear legs, shock struts, inspect, repair, prep, paint
- Sandblast tail feathers, inspect, repair, prep, paint
- Install fuselage on “rotisserie,” install stringers, headliner, install control cables, pitot/static line
- Fabric cover fuselage, tail feathers., landing gear legs
- Install landing gear, tailwheel on fuselage
- Clean gas tank, inspect, repair, prep, paint, install all other items in Cockpit Group
- Remove fabric from wings, inspect, repair, prep, paint, paint lift struts, jury struts
- Inspect ailerons, repair, prep, paint
- Fabric cover wings, ailerons
- Install wings on fuselage for rigging
- Assemble engine, clean propeller, inspect, repair, prep, paint, inspect hub, install engine mount and engine on fuselage
- Hook up engine controls/instruments/fuel and oil lines
- Sandblast engine cowling, inspect, repair, prep, paint
- Install engine cowling
- Disassemble wings from fuselage for transport to airport for final assembly

## Major Administrative Tasks:

- Research parts and repair needs
- Procure drawings, plans, other technical documents
- File all 337's for STC's, document minor repairs in airframe, engine, propeller logs, sign off all logs

Supervise the repairs of E.A.A. Restoration Team