

**APPENDIX 10. FAA FORM 8000-38, FABRICATION/ASSEMBLY  
OPERATION CHECKLIST**

Fabrication/Assembly Operation Checklist		
Company Name	Czech Aircraft Works CZAW	
Address	Lucni 1824	
	686 02 Stare Mesto	
	Czech Republic	
Aircraft Model	Zenith Zodiac XL	Document Name and Date
Type of Aircraft	Single Engine Piston Land	
	Accomplished By	
	Kit Manufacturer	Amateur
<b>FUSELAGE</b>		
1. Fabricate Special Tools or Fixtures	n/a	n/a
2. Fabricate Longitudinal Members, Cores or Shells	x	
3. Fabricate Bulkheads or Cross Members	x	
4. Assemble Fuselage Basic Structure	x	
5. Fabricate Brackets and Fittings	x	
6. Install Brackets and Fittings	x	
7. Fabricate Cables, Wire, and Lines		x
8. Install Cables, Wires, and Lines		x
9. Fabricate Fuselage Covering or Skin	x	
10. Install Fuselage Covering or Skin		x
11. Fabricate Windshield/Windows/Canopy		x
12. Install Windshield/Windows/Canopy		x
<b>WINGS</b>		
1. Fabricate Special Tools or Fixtures	n/a	n/a
2. Fabricate Wing Spars	x	
3. Fabricate Wing Ribs or Cores	x	
4. Fabricate Wing Leading and Trailing Edge	x	
5. Fabricate Drag/Anti-Drag Truss Members	n/a	n/a
6. Fabricate Wing Brackets and Fittings	x	
7. Fabricate Wing Tips		x
8. Assemble Basic Wing Structures	x	
9. Install Wing Leading/Trailing Edge and Tips		x
10. Install Drag/Anti-Drag Truss	n/a	n/a
11. Fabricate Cables, Wires and Lines		x
12. Install Cables, Wires, and Lines		x
13. Fabricate Wing Covering or Skin	x	
14. Install Wing Covering or Skin		x
15. Fabricate Wing Struts/Wires	n/a	n/a
16. Install and Rig Wings, and Struts		x

**APPENDIX 10. FAA FORM 8000-38, FABRICATION/ASSEMBLY OPERATION CHECKLIST (CONTINUED)**

<b>Fabrication/Assembly Operation Checklist (Continued)</b>		
	<b>Accomplished By</b>	
	<b>Kit Manufacturer</b>	<b>Amateur</b>
<b>FLIGHT CONTROLS</b>		
1. Fabricate Special Tools or Fixtures	n/a	n/a
2. Fabricate Aileron Spars	x	
3. Fabricate Aileron Ribs or Cores	x	
4. Assemble Aileron Structure	x	
5. Fabricate Aileron Leading and Trailing Edge	n/a	n/a
6. Assemble Aileron Leading and Trailing Edge	n/a	n/a
7. Fabricate Aileron Brackets and Fittings	x	
8. Install Aileron Brackets and Fittings	x	
9. Fabricate Aileron Covering or Skin	x	
10. Install Aileron Covering or Skin	x	
11. Fabricate Aileron Trim Tab	n/a	n/a
12. Install Aileron Trim Tab	n/a	n/a
13. Install and Rig Aileron		x
14. Fabricate Flap Spars	x	
15. Fabricate Flap Ribs or Cores	x	
16. Assemble Flap Structure	x	
17. Fabricate Flap Leading and Trailing Edge	n/a	n/a
18. Assemble Flap Leading and Trailing Edge	n/a	n/a
19. Fabricate Flap Brackets and Fittings	x	
20. Install Flap Brackets and Fittings	x	
21. Fabricate Flap Covering or Skin	x	
22. Install Flap Covering or Skin	x	
23. Install and Rig Flap		x
24. Fabricate Elevator Spars	x	
25. Fabricate Elevator Ribs or Cores	x	
26. Assemble Elevator Structure	x	
27. Fabricate Elevator Leading and Trailing Edge	n/a	n/a
28. Assemble Elevator Leading and Trailing Edge	n/a	n/a
29. Fabricate Elevator Brackets and Fittings	x	
30. Install Elevator Brackets and Fittings	x	
31. Fabricate Elevator Covering or Skin	x	
32. Install Elevator Covering or Skin	x	
33. Fabricate Elevator Trim Tab	x	
34. Install Elevator Trim Tab	x	
35. Install and Rig Elevator		x
36. Fabricate Rudder Spars		x
37. Fabricate Rudder Ribs or Cores		x
38. Assemble Rudder Structure		x
39. Fabricate Rudder Leading and Trailing Edge	n/a	n/a
40. Assemble Rudder Leading and Trailing Edge	n/a	n/a
41. Fabricate Rudder Brackets and Fittings		x
42. Install Rudder Brackets and Fittings		x
43. Fabricate Rudder Covering or Skin		x
44. Install Rudder Covering or Skin		x
45. Fabricate Rudder Trim Tab	n/a	n/a
46. Install Rudder Trim Tab	n/a	n/a
47. Install and Rig Rudder		x

**APPENDIX 10. FAA FORM 8000-38, FABRICATION/ASSEMBLY OPERATION CHECKLIST (CONTINUED)**

Fabrication/Assembly Operation Checklist (Continued)		
	Accomplished By	
	Kit Manufacturer	Amateur
<b>EMPENNAGE</b>		
1. Fabricate Special Tools of Fixtures	n/a	n/a
2. Fabricate Spars	x	
3. Fabricate Ribs or Cores	x	
4. Fabricate Leading and Trailing Edges	n/a	n/a
5. Fabricate Tips		x
6. Fabricate Brackets and Fittings	x	
7. Assemble Empennage Structures	x	
8. Install Leading/Trailing Edges and Tips	n/a	n/a
9. Install Fittings	x	
10. Fabricate Cables, Wires, and Lines		x
11. Install Cables, Wires and Lines		x
12. Fabricate Empennage Covering or Skin	x	
13. Install Empennage Covering or Skin		x
<b>CANARD</b>		
1. Fabricate Canard	n/a	n/a
2. Assemble Canard Structure		
3. Install and Rig Canard		
<b>LANDING GEAR</b>		
1. Fabricate Special Tools or Fixtures <i>(Jigs for drilling)</i>		x
2. Fabricate Struts	n/a	n/a
3. Fabricate Brakes System		x
4. Fabricate Retraction System	n/a	n/a
5. Fabricate Cables, Wires and Lines		x
6. Assemble Wheels, Brakes, Tires, Landing Gear		x
7. Install Landing Gear System Components		x
<b>PROPULSION</b>		
1. Fabricate Special Tools of Fixtures <i>(Jigs for drilling patterns)</i>		x
2. Fabricate Engine Mount	x	
3. Fabricate Engine Cooling System/Baffles		x
4. Fabricate Induction System	n/a	n/a
5. Fabricate Exhaust System	x	
6. Fabricate Engine Controls		x
7. Fabricate Brackets and Fittings		x
8. Fabricate Cables, Wires and Lines		x
9. Assemble Engine		x
10. Install Engine and Items Listed Above		x
11. Fabricate Engine Cowling		x
12. Install Engine Cowling		x
13. Fabricate Propeller	x	
14. Install Propeller		x
15. Fabricate Fuel Tank	x	

FAA Form 8000-38 (12-91)

**APPENDIX 10. FAA FORM 8000-38, FABRICATION/ASSEMBLY OPERATION  
CHECKLIST (CONTINUED)**

Fabrication/Assembly Operation Checklist (Continued)		
	Accomplished By	
	Kit Manufacturer	Amateur
<b>PROPULSION (Continued)</b>		
16. Install Fuel Tank	X	
17. Fabricate Fuel System Components		X
18. Install Fuel System Components		X
<b>MAIN ROTOR DRIVE SYSTEMS AND CONTROL MECHANISM(S)</b>		
		n/a
1. Fabricate Special Static and Dynamic Main Rotor Rigging Tools		
2. Fabricate/Assemble Main Rotor Drive Train		
3. Install Main Rotor Drive Train Assembly		
4. Fabricate/Assemble Main Rotor Shaft and Hub Assembly		
5. Install Main Rotor Shaft and Hub Assembly		
6. Align Main Rotor Shaft Drive Train, Shaft and Hub Assembly		
7. Fabricate Main Rotor Rotating Controls		
8. Install Main Rotor Rotating Controls		
9. Fabricate Main Rotor Non-Rotating Controls		
10. Rig Main Rotor Rotating and Non-Rotating Controls		
11. Fabricate Main Rotor Blades		
12. Install Main Rotor Blades on Rotor Hub		
13. Statically Balance and Rig Main Rotor System		
14. Dynamically Track and Balance Main Rotor System		
<b>TAIL ROTOR DRIVE SYSTEMS AND CONTROL MECHANISM(S)</b>		
		n/a
1. Fabricate Special Static Tail Rotor Rigging Tools		
2. Fabricate Vertical Trim Fin		
3. Install Vertical Trim Fin		
4. Fabricate Horizontal Stabilizer		
5. Install Horizontal Stabilizer		
6. Fabricate Tail Rotor Drive System		
7. Install Tail Rotor Drive System		
8. Fabricate Tail Cone or Frame		
9. Install and Rig Tail Cone or Frame		
10. Rig Vertical Trim Fin		
11. Fabricate Tail Rotor Shaft and Hub Assembly		
12. Install Tail Rotor Shaft and Hub Assembly		
13. Fabricate Tail Rotor Rotating and Non-Rotating Controls		
14. Rig Tail Rotor Rotating and Non-Rotating Controls		
15. Fabricate/Assemble Tail Rotor Blades		
16. Install Tail Rotor Blades		
17. Statically Balance and Rig Tail Rotor System		
18. Dynamically Track and Balance Tail Rotor System		

**APPENDIX 10. FAA FORM 8000-38, FABRICATION/ASSEMBLY OPERATION CHECKLIST (CONTINUED)**

Fabrication/Assembly Operation Checklist (Continued)		
	Accomplished By	
	Kit Manufacturer	Amateur
<b>COCKPIT/INTERIOR</b>		
1. Fabricate Instrument Panel		X
2. Install Instrument Panel and Instruments		X
3. Fabricate Seats		X
4. Install Seats		X
5. Fabricate Electrical Wiring, Controls/Switches		X
6. Install Electrical System Controls/Switches		X
	0	6
<b>TOTAL</b>	<b>45</b>	<b>49</b>
Comments		
Printed Name	Signature	Date