

# Amateur-Built Fabrication and Assembly Checklist (2009)

(Fixed Wing)

|  |  |
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| Name:  | Zenith Aircraft Company  |
| Address:   | Box 650, Mexico, M, 65265  |
| Aircraft:  | CH650B   |
| Date:  | 5/26/2011  |
| Remarks:   | National Kit Evaluation Team: William Burke (Lead),<br>Henry Cooper, Earl Schwebach, Joe Palmisano |
| This evaluation pertains to and is defined by: CH650B Drawings: Edition 2, Dated 8/9/2010, and Airframe Packing List 8/9/2010, and Finishing Packing List, dated 8/9/2010. |  |

NOTE: This checklist is only applicable to fixed wing aircraft. Evaluation of other types of aircraft (i.e., rotorcraft, balloons, lighter than air) will not be accomplished with this form.

NOTE: This checklist is invalid for and will not be used to evaluate an altered or modified type certificated aircraft with the intent to issue an Experimental Amateur-built Airworthiness Certificate. Such action violates FAA policy and DOES NOT meet the intent of § 21.191(g).

NOTE: Enter "N/A" in any box where a listed task is not applicable to the particular aircraft being evaluated. Use the "Add item" boxes at the end of each section to add applicable unlisted tasks and award credit.

| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|--------------------------------|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>Task #</b>                  | <b>Fuselage – 24 Listed Tasks</b>              |                            |                          |                        |                           |
| F1                             | 1 Fabricate Longitudinal Members               | 0.4                        |                          |                        |                           |
| F2                             | Fabricate Composite Cores or Shells, Skins     | N/A                        |                          |                        |                           |
| F3                             | 1 Fabricate Bulkheads or Cross members         | 0.4                        |                          |                        |                           |
| F4                             | 1 Fabricate Control Yokes/Sticks               | 0.9                        |                          |                        |                           |
| F5                             | 1 Assemble Control Yokes/Sticks                | 0                          |                          |                        |                           |
| F6                             | 1 Fabricate Flt Control Push Pull Tubes/Cables | 0.5                        |                          |                        |                           |
| F7                             | 1 Assemble Flt Control Push Pull Tubes/Cables  | 0                          |                          |                        |                           |
| F8                             | 1 Assemble Fuselage Basic Structure            | 0                          |                          |                        |                           |
| F9                             | 1 Fabricate Brackets and Fittings              | 0.6                        |                          |                        |                           |
| F10                            | 1 Assemble Brackets and Fittings               | 0                          |                          |                        |                           |
| F11                            | Fabricate Cables, Wire, and Lines              | N/A                        |                          |                        |                           |
| F12                            | Assemble Cables, Wire, and Lines               | N/A                        |                          |                        |                           |
| F13                            | Fabricate Fuselage Fuel System Components      | N/A                        |                          |                        |                           |
| F14                            | Assemble Fuselage Fuel System Components       | N/A                        |                          |                        |                           |
| F15                            | 1 Fabricate Fuselage Covering or Skin          | 0.5                        |                          |                        |                           |
| F16                            | 1 Assemble Fuselage Covering or Skin           | 0                          |                          |                        |                           |
| F17                            | Fabricate Windshield                           | N/A                        |                          |                        |                           |
| F18                            | Assemble Windshield to Fuselage                | N/A                        |                          |                        |                           |
| F19                            | 1 Fabricate Windows                            | 0.4                        |                          |                        |                           |
| F20                            | 1 Assemble Windows to Fuselage                 | 0                          |                          |                        |                           |
| F21                            | 1 Fabricate Doors/Canopy                       | 0.5                        |                          |                        |                           |
| F22                            | 1 Assemble Doors/Canopy to Fuselage            | 0                          |                          |                        |                           |
| F23                            | Fabricate Mast and Strut Assembly              | N/A                        |                          |                        |                           |
| F24                            | Assemble Mast and Strut Assembly               | N/A                        |                          |                        |                           |
| F25                            | 1 Add item: Fabricate Rudder Pedals            | 0.6                        |                          |                        |                           |
| F26                            | 1 Add item: Assemble Rudder Pedals             | 0                          |                          |                        |                           |
| F31                            | Add item:                                      |                            |                          |                        |                           |
| Total # of<br>Fuselage Tasks   | <b>Fuselage Subtotal</b>                       | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>17</b>                      | <b>Fuselage Total Points ▶</b>                 | 4.8                        | 0.0                      | 0.0                    | 0.0                       |

Fuselage Comments:  
F25 and F26 added items were inadvertently omitted from this checklist revision.  
F14 captured in canopy

| FABRICATION AND ASSEMBLY TASKS |                         |  |  | A                          | B                        | C                      | D                         |
|--------------------------------|-------------------------|--|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                |                         |  |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| FABRICATION AND ASSEMBLY TASKS |                         |  |  | A                          | B                        | C                      | D                         |
|                                |                         |  |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| Task #                         | Wings – 51 Listed Tasks |  |  |                            |                          |                        |                           |
| W1                             | 1                       | Fabricate Wing Spars                                   |  | 0.7                        |                          |                        |                           |
| W2                             | 1                       | Assemble Wing Spars to Wing                            |  | 0                          |                          |                        |                           |
| W3                             | 1                       | Fabricate Wing Ribs or Cores                           |  | 0.7                        |                          |                        |                           |
| W4                             | 1                       | Assemble Wing Ribs or Cores to Wing                    |  | 0                          |                          |                        |                           |
| W5                             |                         | Fabricate Composite Cores                              |  | N/A                        |                          |                        |                           |
| W6                             |                         | Assemble Composite Cores to Wing                       |  | N/A                        |                          |                        |                           |
| W7                             | 1                       | Fabricate Wing Leading and Trailing Edges              |  | 0.6                        |                          |                        |                           |
| W8                             | 1                       | Assemble Wing Leading & Trailing Edges to Wing         |  | 0                          |                          |                        |                           |
| W9                             |                         | Fabricate Drag/Anti-drag Truss Members                 |  | N/A                        |                          |                        |                           |
| W10                            |                         | Assemble Drag/Anti-drag Truss Members to Wing          |  | N/A                        |                          |                        |                           |
| W11                            | 1                       | Fabricate Wing Brackets and Fittings                   |  | 0.6                        |                          |                        |                           |
| W12                            | 1                       | Assemble Wing Brackets and Fittings to Wing            |  | 0                          |                          |                        |                           |
| W13                            | 1                       | Fabricate Wing Tips                                    |  | 0.8                        |                          |                        |                           |
| W14                            | 1                       | Assemble Wing Tips to Wings                            |  | 0                          |                          |                        |                           |
| W15                            |                         | Fabricate Special Tools or Fixtures                    |  | N/A                        |                          |                        |                           |
| W16                            |                         | Fabricate Aileron Spars (no Spars)                     |  | N/A                        |                          |                        |                           |
| W17                            | 1                       | Fabricate Aileron Ribs or Cores                        |  | 0.6                        |                          |                        |                           |
| W18                            |                         | Assemble Aileron Ribs or Cores to Aileron              |  | N/A                        |                          |                        |                           |
| W19                            | 1                       | Assemble Aileron Primary Structure                     |  | 0                          |                          |                        |                           |
| W20                            |                         | Fabricate Aileron Leading and Trailing Edges           |  | N/A                        |                          |                        |                           |
| W21                            |                         | Assemble Aileron Leading and Trailing Edges            |  | N/A                        |                          |                        |                           |
| W22                            | 1                       | Fabricate Aileron Brackets and Fittings                |  | 0.5                        |                          |                        |                           |
| W23                            | 1                       | Assemble Aileron Brackets & Fittings to Aileron        |  | 0                          |                          |                        |                           |
| W24                            | 1                       | Fabricate Aileron Covering or Skin                     |  | 0.6                        |                          |                        |                           |
| W25                            | 1                       | Assemble Aileron Covering or Skin to Aileron           |  | 0                          |                          |                        |                           |
| W26                            |                         | Fabricate Aileron Roll Trim (optional)                 |  | N/A                        |                          |                        |                           |
| W27                            |                         | Assemble Aileron Trim Tab/Roll Trim to Aileron         |  | N/A                        |                          |                        |                           |
| W28                            | 1                       | Assemble Aileron to Wing                               |  | 0                          |                          |                        |                           |
| W29                            |                         | Fabricate Flap Spars (no spars)                        |  | N/A                        |                          |                        |                           |
| W30                            |                         | Assemble Flap Spars to Flap                            |  | N/A                        |                          |                        |                           |
| W31                            | 1                       | Fabricate Flap Ribs or Cores                           |  | 0.5                        |                          |                        |                           |
| W32                            |                         | Assemble Flap Ribs or Cores to Flap                    |  | N/A                        |                          |                        |                           |
| W33                            | 1                       | Assemble Flap Primary Structure                        |  | 0                          |                          |                        |                           |
| W34                            |                         | Fabricate Flap Leading and Trailing Edges              |  | N/A                        |                          |                        |                           |
| W35                            | 1                       | Assemble Flap Brackets and Fittings to Flap            |  | 0                          |                          |                        |                           |
| W36                            | 1                       | Fabricate Flap Covering or Skin                        |  | 0.6                        |                          |                        |                           |
| W37                            | 1                       | Assemble Flap Covering or Skin to Flap                 |  | 0                          |                          |                        |                           |
| W38                            | 1                       | Assemble Flaps to Wing                                 |  | 0                          |                          |                        |                           |
| W39                            |                         | Fabricate Wing External Lighting Components (optional) |  | N/A                        |                          |                        |                           |
| W40                            |                         | Assemble Wing Ext Lighting Components to Wing          |  | N/A                        |                          |                        |                           |
| W41                            | 1                       | Assemble Basic Wing Structure                          |  | 0                          |                          |                        |                           |
| W42                            |                         | Fabricate Wing Fuel System Components                  |  | N/A                        |                          |                        |                           |
| W43                            |                         | Assemble Wing Fuel System Components to Wing           |  | N/A                        |                          |                        |                           |
| W44                            | 1                       | Fabricate Cables Wires and Lines                       |  | 0                          |                          |                        |                           |
| W45                            | 1                       | Assemble Cables Wires and Lines to Wing                |  | 0                          |                          |                        |                           |
| W46                            | 1                       | Fabricate Wing Covering or Skin                        |  | 0.6                        |                          |                        |                           |
| W47                            | 1                       | Assemble Wing Covering or Skin to Wing                 |  | 0                          |                          |                        |                           |
| W48                            |                         | Fabricate Wing Struts/Wires                            |  | N/A                        |                          |                        |                           |
| W49                            | 1                       | Fabricate Fuel Tank                                    |  | 0.9                        |                          |                        |                           |
| W50                            | 1                       | Assemble Fuel Tank to Wing                             |  | 0                          |                          |                        |                           |
| W51                            | 1                       | Calibrate Fuel System Components                       |  | 0                          |                          |                        |                           |

| FABRICATION AND ASSEMBLY TASKS |   |  | A                          | B                        | C                      | D                         |
|--------------------------------|---|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                |   |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| W52                            | 1 | Add item: Fabricate Flap Bracket and Fittings      | 0.6                        |                          |                        |                           |
| W53                            |   | Add item: Assemble Flap Leading and Trailing Edges | N/A                        |                          |                        |                           |
| W54                            |   | Add item: Assemble Wing Struts/Wires               | N/A                        |                          |                        |                           |
| W55                            | 1 | Add item: Assemble Wing to Next Level Structure    | 0                          |                          |                        |                           |
| Total # of Wing<br>Tasks       |   | <b><u>Wings Subtotal</u></b>                       | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>33</b>                      |   | <b><u>Wings Total Points ▶</u></b>                 | 8.3                        | 0                        | 0                      | 0                         |

Wing Comments:  
W16 + W29 Ailerons and Flaps have no spars.  
W18 captured in task W19  
W32 captured in task W33  
W52, W53 and W54 added items were inadvertently omitted from this checklist revision.

| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|--------------------------------|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| Task #                         | Empennage – 57 Listed Tasks  |                            |                          |                        |                           |
| E1                             | 1 Fabricate Horizontal Stabilizer Spars  | 0.6                        |                          |                        |                           |
| E2                             | Assemble Horizontal Stabilizer Spar(s) to Stabilizer                               | N/A                        |                          |                        |                           |
| E3                             | 1 Fabricate Horizontal Stabilizer Ribs or Cores                                    | 0.6                        |                          |                        |                           |
| E4                             | Assemble Horizontal Stabilizer Ribs or Cores to Stabilizer                         | N/A                        |                          |                        |                           |
| E5                             | <del>Fabricate Horizontal Stabilizer Leading and Trailing Edge</del>               | N/A                        |                          |                        |                           |
| E6                             | <del>Assemble Horizontal Stabilizer Leading and Trailing Edges to Stabilizer</del> | N/A                        |                          |                        |                           |
| E7                             | 1 Fabricate Horizontal Stabilizer Brackets & Fittings                              | 0.5                        |                          |                        |                           |
| E8                             | Assemble Horizontal Stabilizer Brackets and Fittings to Stabilizer                 | N/A                        |                          |                        |                           |
| E9                             | 1 Assemble Horizontal Stabilizer Structure   | 0                          |                          |                        |                           |
| E10                            | Fabricate Horizontal Stab Lead/Trailing Edges                                      | N/A                        |                          |                        |                           |
| E11                            | Assemble Horizontal Stabilizer Lead/Trailing Edges to Stabilizer                   | N/A                        |                          |                        |                           |
| E12                            | Fabricate Horizontal Stabilizer Cables, Wires and Lines                            | N/A                        |                          |                        |                           |
| E13                            | Assemble Horizontal Stabilizer Cables, Wires and Lines to Stabilizer               | N/A                        |                          |                        |                           |
| E14                            | 1 Fabricate Horizontal Stabilizer Empennage Covering or Skin                       | 0.8                        |                          |                        |                           |
| E15                            | 1 Assemble Horizontal Stabilizer Empennage Covering or Skin to Stabilizer          | 0                          |                          |                        |                           |
| E16                            | 1 Assemble Horizontal Stabilizer Structure to Fuselage                             | 0                          |                          |                        |                           |
| E17                            | Fabricate Elevator Spars   | N/A                        |                          |                        |                           |
| E18                            | Assemble Elevator Spars to Elevator  | N/A                        |                          |                        |                           |
| E19                            | 1 Fabricate Elevator Ribs Cores  | 0.5                        |                          |                        |                           |
| E20                            | Assemble Elevator Ribs Cores to Elevator (captured E21)                            | N/A                        |                          |                        |                           |
| E21                            | 1 Assemble Elevator Structure  | 0                          |                          |                        |                           |
| E22                            | Fabricate Elevator Leading and Trailing Edge                                       | N/A                        |                          |                        |                           |
| E23                            | Assemble Elevator Leading and Trailing Edges to Elevator                           | N/A                        |                          |                        |                           |
| E24                            | 1 Fabricate Elevator Brackets and Fittings   | 0.5                        |                          |                        |                           |
| E25                            | 1 Assemble Elevator Brackets and Fittings to Elevator                              | 0                          |                          |                        |                           |
| E26                            | 1 Fabricate Elevator Covering or Skins   | 0.8                        |                          |                        |                           |
| E27                            | 1 Assemble Elevator Covering or Skins to Elevator                                  | 0                          |                          |                        |                           |
| E28                            | 1 Fabricate Elevator Trim Tab  | 0.3                        |                          |                        |                           |
| E29                            | 1 Assemble Elevator Trim Tab to Elevator   | 0                          |                          |                        |                           |
| E30                            | Fabricate Special Tools or Fixtures  | N/A                        |                          |                        |                           |
| E31                            | Fabricate Vertical Stabilizer Spars  | N/A                        |                          |                        |                           |
| E32                            | Assemble Vertical Stabilizer Spar to the Vertical Stabilizer                       | N/A                        |                          |                        |                           |
| E33                            | Fabricate Vertical Stabilizer Ribs Cores   | N/A                        |                          |                        |                           |
| E34                            | Assemble Ribs Cores to Vertical Stabilizer   | N/A                        |                          |                        |                           |
| E35                            | Fabricate Vertical Stabilizer Leading/Trailing Edges                               | N/A                        |                          |                        |                           |
| E36                            | Assemble Leading and Trailing Edges to Vertical Stabilizer                         | N/A                        |                          |                        |                           |
| E37                            | Fabricate Vertical Stabilizer Brackets and Fittings                                | N/A                        |                          |                        |                           |
| E38                            | Assemble Brackets and Fittings to Vertical Stabilizer                              | N/A                        |                          |                        |                           |
| E39                            | Fabricate Vertical Stabilizer Cables, Wires, Lines                                 | N/A                        |                          |                        |                           |
| E40                            | Assemble Cables, Wires, Lines to Vertical Stabilizer                               | N/A                        |                          |                        |                           |
| E41                            | 1 Fabricate Vertical Stabilizer Empennage Covering or Skin                         | 0.3                        |                          |                        |                           |
| E42                            | Assemble Vertical Stabilizer Empennage Covering or Skin to Vertical Stabilizer     | N/A                        |                          |                        |                           |
| E43                            | 1 Assemble Vertical Stabilizer Structure to Fuselage                               | 0                          |                          |                        |                           |
| E44                            | 1 Fabricate Rudder Spar  | 0.5                        |                          |                        |                           |

| FABRICATION AND ASSEMBLY TASKS   |  | A                          | B                        | C                      | D                         |
|----------------------------------|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                  |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| E45                              | Assemble Rudder Spar to Rudder                         | N/A                        |                          |                        |                           |
| E46                              | 1 Fabricate Rudder Ribs or Cores                       | 0.5                        |                          |                        |                           |
| E47                              | Assemble Rudder Ribs or Cores to Rudder                | N/A                        |                          |                        |                           |
| E48                              | 1 Assemble Rudder Structure                            | 0                          |                          |                        |                           |
| E49                              | Fabricate Rudder Leading and Trailing Edge             | N/A                        |                          |                        |                           |
| E50                              | Assemble Rudder Leading and Trailing Edge to Rudder    | N/A                        |                          |                        |                           |
| E51                              | 1 Fabricate Rudder Brackets and Fittings               | 0.5                        |                          |                        |                           |
| E52                              | 1 Assemble Rudder Brackets & Fittings to Rudder        | 0                          |                          |                        |                           |
| E53                              | 1 Fabricate Rudder Covering or Skin                    | 0.5                        |                          |                        |                           |
| E54                              | 1 Assemble Rudder Covering or Skin to Rudder           | 0                          |                          |                        |                           |
| E55                              | Fabricate Rudder Trim Tab                              | N/A                        |                          |                        |                           |
| E56                              | Assemble Rudder Trim Tab to Rudder                     | N/A                        |                          |                        |                           |
| E57                              | 1 Assemble Rudder to Vertical Stabilizer (fuselage)    | 0                          |                          |                        |                           |
| E58                              | 1 Add item: Assemble Elevator to Horizontal Stabilizer | 0                          |                          |                        |                           |
| E59                              | Add item: Assemble Vertical Stabilizer Structure       | N/A                        |                          |                        |                           |
| E60                              | Add item:  |                            |                          |                        |                           |
| Total # of<br>Empennage<br>Tasks | <b><u>Empennage Subtotal</u></b>                       | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>26</b>                        | <b><u>Empennage Total Points ►</u></b>                 | 6.9                        | 0                        | 0                      | 0                         |

Empennage Comments:

E2 Assy Horz Stab Spar and E4 Assy Horz Stab Ribs credit captured in E9 Assembl Horz Stab Structure  
E5 and E6 are duplicate items and therefore were not scored. Credit given in items E10 and E11.  
E8 Horz Stab Brackets and Fittings (Assy) credit captured in E25 Assemble Elevator Bracket and Fittings operation  
E31 → E43 Aircraft has no Vertical Stabilizer, the entire vertical structure is a fully articulated rudder.  
E20 Assy Elevator Ribs to Elevator, captured in E21;  
E45 and E47 captured in E48 Assemble Rudder Structure  
E58 and E59 added items were inadvertently omitted from this checklist revision.

| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|--------------------------------|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>Task #</b>                  | <b>Landing Gear – 12 Listed Tasks</b>                              |                            |                          |                        |                           |
| LG1                            | 1 Fabricate Struts   | 0.6                        |                          |                        |                           |
| LG2                            | Fabricate Brake System Components                                  | N/A                        |                          |                        |                           |
| LG3                            | Fabricate Landing Gear Actuation System Components                 | N/A                        |                          |                        |                           |
| LG4                            | Fabricate Landing Gear System Cables, Wires and Lines              | N/A                        |                          |                        |                           |
| LG5                            | 1 Assemble Wheels  | 0                          |                          |                        |                           |
| LG6                            | 1 Assemble Brakes, Tires   | 0                          |                          |                        |                           |
| LG7                            | 1 Assemble Landing Gear  | 0                          |                          |                        |                           |
| LG8                            | 1 Assemble Landing Gear System Components Next Level Structure     | 0                          |                          |                        |                           |
| LG9                            | Align Landing Gear   | N/A                        |                          |                        |                           |
| LG10                           | Fabricate Landing Gear Fairings/Gear Doors                         | N/A                        |                          |                        |                           |
| LG11                           | Assemble Landing Gear Fairings/Gear Doors to Next Level Structure  | N/A                        |                          |                        |                           |
| LG12                           | Perform Landing Gear Operational Check (Normal, Emergency Systems) | N/A                        |                          |                        |                           |
| LG13                           | Add item: Fabricate Landing Gear Bracket and Fittings              | N/A                        |                          |                        |                           |
| LG14                           | Add item: Assemble Landing Gear Bracket and Fittings               | N/A                        |                          |                        |                           |
| LG15                           | Add item:  |                            |                          |                        |                           |
| LG16                           | Add item:  |                            |                          |                        |                           |
| Total # of Land Gear Tasks     | <b><u>Landing Gear Subtotal</u></b>                                | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>5</b>                       | <b><u>Landing Gear Total Points ▶</u></b>                          | 0.6                        | 0                        | 0                      | 0                         |

Landing Gear Comments:  
-NONE-

| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|--------------------------------|--|----------------------------|--------------------------|------------------------|---------------------------|
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| FABRICATION AND ASSEMBLY TASKS |  | A                          | B                        | C                      | D                         |
|                                |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| Task #                         | Propulsion – 27 Listed Tasks   |                            |                          |                        |                           |
| P1                             | Fabricate Engine Mounts  | *                          |                          |                        |                           |
| P2                             | Assemble Engine Mounts to Next Level Structure                                   | *                          |                          |                        |                           |
| P3                             | Fabricate Engine Cooling System/Baffles  | *                          |                          |                        |                           |
| P4                             | Assemble Engine Cooling System Baffles to Engine                                 | *                          |                          |                        |                           |
| P5                             | Fabricate Engine Compartment Overheat/Fire Detection System                      | N/A                        |                          |                        |                           |
| P6                             | Assemble Engine Compartment Overheat/Fire Detection System to Engine Compartment | N/A                        |                          |                        |                           |
| P7                             | Fabricate Induction System   | N/A                        |                          |                        |                           |
| P8                             | Assemble Induction System to Engine  | N/A                        |                          |                        |                           |
| P9                             | Fabricate Exhaust System   | *                          |                          |                        |                           |
| P10                            | Assemble Exhaust System to Engine  | *                          |                          |                        |                           |
| P11                            | Fabricate Engine Control Installation Brackets                                   | N/A                        |                          |                        |                           |
| P12                            | Assemble Engine Controls to Next Level Structure                                 | N/A                        |                          |                        |                           |
| P13                            | Rig and Adjust Engine Controls   | N/A                        |                          |                        |                           |
| P14                            | Fabricate Brackets and Fittings  | N/A                        |                          |                        |                           |
| P15                            | Assemble Brackets and Fittings to Next Level Structure                           | N/A                        |                          |                        |                           |
| P16                            | 1 Fabricate Cables, Wires and Lines  | 0                          |                          |                        |                           |
| P17                            | 1 Assemble Cables, Wires and Lines to next Level Structure                       | 0                          |                          |                        |                           |
| P18                            | Assemble Engine (Likely N/A)   | N/A                        |                          |                        |                           |
| P19                            | Assemble Engine to Engine Mount  | *                          |                          |                        |                           |
| P20                            | Fabricate Engine Propeller (Likely N/A)  | N/A                        |                          |                        |                           |
| P21                            | Fabricate Propeller Spinner Components   | N/A                        |                          |                        |                           |
| P22                            | Assemble Propeller to Engine   | *                          |                          |                        |                           |
| P23                            | Rig and Track Propeller  | N/A                        |                          |                        |                           |
| P24                            | Fabricate Engine Cowling   | *                          |                          |                        |                           |
| P25                            | Assemble Engine Cowling to Airframe  | *                          |                          |                        |                           |
| P26                            | Fabricate Engine Fuel System Components  | N/A                        |                          |                        |                           |
| P27                            | Assemble Engine Fuel System Components to Next Level Structure                   | N/A                        |                          |                        |                           |

| FABRICATION AND ASSEMBLY TASKS    |   |   | A                          | B                        | C                      | D                         |
|-----------------------------------|---|---|----------------------------|--------------------------|------------------------|---------------------------|
|                                   |   |   | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| P28                               | 1 | Add item: Fabricate Firewall            | 0.6                        |                          |                        |                           |
| P29                               | 1 | Add item: Assemble Firewall             | 0                          |                          |                        |                           |
| P30                               |   | Add item:                               |                            |                          |                        |                           |
| P31                               |   | Add item:                               |                            |                          |                        |                           |
| Total # of<br>Propulsion<br>Tasks |   | <b><u>Propulsion Subtotal</u></b>       | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>4</b>                          |   | <b><u>Propulsion Total Points ▶</u></b> | 0.6                        | 0                        | 0                      | 0                         |

Propulsion Comments: P28 and P29 added items were inadvertently omitted from this checklist revision.

Asterisk {\*} This kit does not include an engine or engine components. These tasks therefore can not be scored in the NKET evaluation. However, since an engine is required for flight, the FAA Inspector (or DAR) will assign values to the proper column for these tasks upon Airworthiness inspection. The use of commercial assistance must be considered during that inspection.



| FABRICATION AND ASSEMBLY TASKS |   | A                          | B                        | C                      | D                         |
|--------------------------------|---|----------------------------|--------------------------|------------------------|---------------------------|
|                                |   | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| FABRICATION AND ASSEMBLY TASKS |   | A                          | B                        | C                      | D                         |
|                                |   | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>Task #</b>                  | <b>Cockpit Interior – 11 Listed Tasks</b>                                   |                            |                          |                        |                           |
| C1                             | 1 Fabricate Instrument Panel  | 0.6                        |                          |                        |                           |
| C2                             | 1 Fabricate Instrument Panel Bracket and Fittings                           | N/A                        |                          |                        |                           |
| C3                             | 1 Assemble Instrument Panel with Fittings and Brackets                      | 0                          |                          |                        |                           |
| C4                             | 1 Assemble Avionics to Instrument Panel                                     | N/A                        |                          |                        |                           |
| C5                             | 1 Fabricate Seats   | 0.5                        |                          |                        |                           |
| C6                             | 1 Fabricate Seat Brackets and Fittings                                      | N/A                        |                          |                        |                           |
| C7                             | 1 Assemble Seats to Cockpit   | 0                          |                          |                        |                           |
| C8                             | 1 Fabricate Seat Belts Fittings and Shoulder Harness Fittings               | 0.6                        |                          |                        |                           |
| C9                             | 1 Assemble Seat Belts and Shoulder Harness to Structure                     | 0                          |                          |                        |                           |
| C10                            | 1 Fabricate Electrical Wiring, Controls and Switches                        | *                          |                          |                        |                           |
| C11                            | 1 Assemble Electrical Systems Controls and Switches to Next Level Structure | *                          |                          |                        |                           |
| C12                            | 1 Add item: Fabricate Closeout Panels/Floor Panels                          | 0.9                        |                          |                        |                           |
| C13                            | 1 Add item: Assemble Closeout Panels/Floor Panels                           | 0                          |                          |                        |                           |
| C14                            | Add item:   |                            |                          |                        |                           |
| C15                            | Add item:   |                            |                          |                        |                           |
| Total # of<br>Cockpit Tasks    | <b><u>Cockpit Interior Subtotal</u></b>                                     | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| <b>8</b>                       | <b><u>Cockpit Interior Total Points ►</u></b>                               | 2.6                        | 0                        | 0                      | 0                         |

Cockpit Comments:

C12 and C13 added items were inadvertently omitted from this checklist revision.

C4-Avionics or wiring bundles not in kit

All task item blocks annotated with an asterisk {\*} are not supplied with the kit but are required for flight. These tasks must be considered and scored by the FAA inspector / Designee at the time of Airworthiness inspection.

| FABRICATION AND ASSEMBLY TASKS |                 | A                          | B                        | C                      | D                         |
|--------------------------------|-----------------|----------------------------|--------------------------|------------------------|---------------------------|
|                                |                 | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am-Builder<br>Assembly | Am-Builder<br>Fabrication |
| Total # of Aircraft Tasks      |                 |                            |                          |                        |                           |
| <b>93</b>                      | <b>◀ SUM #1</b> |                            |                          |                        |                           |

▶ TOTAL TASKS AND LINE ITEMS



| FABRICATION AND ASSEMBLY SUMMARY   |  | A                          | B                        | C                      | D                         |
|--|--|----------------------------|--------------------------|------------------------|---------------------------|
|  |  | Mfr Kit/Part/<br>Component | Commercial<br>Assistance | Am Builder<br>Assembly | Am Builder<br>Fabrication |
| <b>1. Total Points for Each Category. (Note 1)</b>   |  | <b>23.8</b>                |                          |                        |                           |
| <b>2. Total Points for Complete Aircraft Construction (SUM # 2 should equal SUM # 1 above). (Note 2)</b>                                 |  | <b>(SUM #2) ▶</b>          |                          | <b>93.0</b>            |                           |
| <b>3. Percentage of Each Category as Part of Total Aircraft Construction. (Note 3)</b>   |  | <b>25.59%</b>              |                          |                        |                           |
| <b>4. Total Percentages for Complete Aircraft Construction (Add all percentages in row 3) Total should equal 100% (± .5% ). (Note 4)</b> |  |                            |                          |                        |                           |
| <b>Total Builder Points – Add points in row 1, column C and D only, together. (Note 5)</b>   |  |                            |                          |                        |                           |
| <b>Total Builder Percentage – Add percentages in row 3, columns C and D only, together. (Note 6)</b>                                     |  |                            |                          |                        |                           |