

ZODIAC CH 601 HD

Summary of Revision from 09/2003 to 08/2004, changes included in current drawings:

5th edition 2nd revision 08/04

6-G-0 Drawing list Aug. 30, 2004

- 1) Current drawing list Aug 30, 2004 (08/04)

6-G-1 Three view. DATE: 08/04

- 1) 5th edition 2st revision (09/03)
- 2) replaced "printing" with revision (09/04)
- 3) Added metric dimension to technical data (08/04)
- 4) Technical data, change wing chord from 4'-1" to 4'-10" (08/04)
- 5) Tail chord, changed 2'6" to 2'6.7" (08/04)
- 6) Added text: For amateur built aircraft reference FAA AC 20-27F (08/04)
- 7) Added Vno max structural cruise = 120 MPH, Vs1 stall speed = 47mph
- 8) Added airspeed markings: Red line = Vne, yellow arc = Vc to Vne, green arc = Vs1 to Vc (for LSA class aircraft refer to the aircraft POH) (08/04)

6-G-2 General Arrangements. DATE: 08/04

- 1) Added part number for step 6F14-4 (08/04)

6-T-0 TAIL EXPLODED VIEW. DATE: 06/03

6-T-1 STABILIZER AIRFOIL. DATE: 08/04

- 1) 6T1-3 REV 1, change the flange width from 18mm to 19mm, change dl=120 to dl=122 (08/04)
- 2) 6T1-4 REV 1, change the flange width from 18mm to 19mm, change dl=112 to dl=114 (08/04)

6-T-2 STABILIZER ATTACHMENTS. DATE: 08/04

- 1) redrew the aft edge of the doublers 6T1-5HD, 6T1-6HD and 6T1-7HD flush with the edge of the spar flange (08/04)

6-T-3 ELEVATOR. DATE: 08/04

- 1) bottom middle diagram: delete "the" from text (08/04)
- 2) right middle diagram: re-drew 6T3-7 with hidden lines (09/04)
- 3) bottom left diagram; Added L angle and Horn in middle of skin (09/04)
- 4) Bottom left diagram: trim tab, see 6-E-1 recessed trim tab option drawing 6-T-6 (09/04)

6-T-4 VERTICAL TAIL RIBS. DATE: 08/04

- 1) 6T4-4 Rev 1, deleted 3.5 degrees closed at top (side flanges). (08/04)
- 2) redrew hidden lines for doublers 6T4-5 inside spar 6T4-4 (08/04)
- 3) 6T4-4, bottom corner of side flange, left square (corner is not cut on angle) (08/04)

6-T-5 VERTICAL TAIL SKELETON. DATE: 08/04

- 1) Middle diagram. Rivet line: replace hidden lines with dotted lines (08/04)

6-V-0 Wings: Exploded view. DATE: 08/04

- 1) Added note: location of pitot/static tube located under left wing Ref page 33 of construction manual edition 3, 1995 (08/04)

6-V-1 Wing Rib Form Blocks. DATE: 11/02

6-V-2 Landing Gear Ribs. DATE: 04/03

6-V-3 Right Wing Skeleton. DATE: 08/04

- 1) bottom left and bottom middle table, change 700 to 770 (08/04)

6-V-4 Center Wing Spar. DATE: 09/03

6-V-5 Landing Gear Rib Box. DATE: 08/04

- 1) 6V5-2 if using extrusion 1-1/2x1 then cut the 1" flange to 3/4" (08/04)
- 2) delete "the" from text bottom middle diagram (08/04)

6-V-6 Landing Gear Rib Box Sub assembly. DATE: 08/04

- 1) 6V6-1 material change ext 1-1/2"x1'.125" to ext 1-1/2"x3/4"x .125" replace "TRIM OFF" to "if using 1" ext trim to 3/4" (delete 1" on cross section bottom flange) (08/04)

6-V-7 Rear Zee. DATE: 09/01

6-V-8 Right Wing Skins. DATE: 04/01

6-V-9 Right Wing Skin Riveting. DATE: 01/02

6-V-10 Right Wing Aileron. DATE: 08/04

- 1) 6V10-1 change 98 degrees to 96 degrees (08/04)
- 2) bottom right diagram: part number correction, change 6V10-2 to 6V10-1 (08/04)

6-V-11 Center wing Skins and riveting. DATE: 08/04

- 1) bottom middle diagram: modification to diagram, redrew the gear slides 6V5-2 to extend down longer below the wing (08/04)

6-V-12 Seat Installation. DATE: 08/04

- 1) 6V12-8 Orientation: 520 is left to right. Make cutout for seat belts (08/04)

6-V-13 Control Stick . DATE: 10/01

6-V-14 Aileron Bellcrank. DATE: 08/04

- 1) 6V14-3 change 6.5mm to 6.4mm (08/04)
- 2) 6V14-4 material clarification: change EXT 1-1/2x1'.125" to EXT 1-1/2x1"x.125" (08/04)

6-V-15 Wing Splice. DATE: 08/04

- 1) 6V15-6 top middle diagram: bend to fit wing dihedral (08/04)
- 2) 6V15-5 material clarification: change ext 1-1/2"x1"x.125" to ext 1-1/2"x3/4"x.125" change "cut 1" side to 3/4"" to "if using 1" ext then cut to 3/4" (08/04)

6-F-0 Fuselage Exploded view. DATE: 08/04

- 1) Added diagonal rivet line on side skin 6F3-3 between HT frames, added rivets on skin 6F14-2 for L angles, added rivets for L angles on 6F5-1 (08/04)

6-F-1 Rear Bottom Skins. DATE: 09/03

6-F-2 Rear Fuselage Members. DATE: 08/04

- 1) 6F2-2 Rev 1 changed 90 degrees to 87 degrees (08/04)
- 2) 6F2-4HD Rev 1 changed 90 degrees to 87 degrees (08/04)
- 3) Added 3/16" hole (to be drilled later when installed stabilizer) in 6F2-8 (08/04)

6-F-3 Rudder Hinges. DATE: 08/04

- 1) 6F3-1, 6F3-2A, 6F3-2B removed target symbol for 3/16" holes (08/04)

6-F-4 Rear Fuselage Riveting. DATE: 08/04

- 1) Top right diagram: change Top view 6B4-1 to 6F4-1 (two place) (08/04)
- 2) Top diagram: replace "o" to "+" on 6F2-7 and 6F2-8 (08/04)

6-F-5 Front Longeron Forming. DATE: 08/04

- 1) 6F5-1HD, revision to aft edge line weight on drawing (08/04)

6-F-6 Forward Fuselage Riveting. DATE: 09/03

6-F-7 Firewall & Stiffeners. DATE: 08/04

- 1) 6F7-2 and 6F7-3 change 4130N to 4130 (08/04)

6-F-8 Firewall Riveting 08/01

6-F-9 Firewall – Fuselage Riveting. DATE : 05/01

6-F-10 Nose Gear Bearing parts. DATE: 09/03

6-F-11 Fuselage Bulkheads. DATE: 09/03

6-F-12 Bulkhead Instrument Panel. DATE: 09/03

6-F-13 Baggage Floor. DATE: 09/03

6-F-14 Bulkhead Positioning. DATE: 09/03

6-F-15 Control Cable Installation. DATE: 09/03

6-F-16 Arm Rest, Fuel Tank. DATE: 09/03

6-F-17 Rudder Pedals. DATE: 09/03

6-F-18 Hydraulic Brakes 08/04

- 1) left middle diagram: change 5/16" x .025" to 5/16" x .058" (08/04)
- 2) Toe brake: clarification, change 4130 steel tube to 4130N round tube (08./04)
- 3) 4130 steel plate 12x60mm t=1/8" (top of toe brake) (08/04)

6-L-0 Landing Gear Exploded view 08/04

- 1) name clarification: bungee = shock chord, replace ref with P/N (08/04)
- 2) 6L1-3 drawing update, changed the size of the hole for axle bolt to the same diameter as bolt (08/04)

6-L-1 Landing Gear 08/04

- 1) 6L1-3 missing layout dimension: 220 from bottom of fork to front edge of tapered diagonal cut line (08/04)

6-L-3 Lower Bearing & support 08/04

- 1) 6L1-3 description underneath part number: welded assembly (1R + 1R req'd), material = 4130 plate t=.050" (08/04)
- 2) left middle diagram: bolts through 6L1-1 and 6L1-2 change AN3-5A to AN3-4A (08/04)
- 3) bottom right box deleted (08/04)

6-E-1 Fuselage Wing Fiaring 11/01

6-E-2 Canopy Lock System 08/04

- 1) Bottom left diagram: change L=500 to L=200 Qty=2 (08/04)

6-E-4 Canopy Frame 09/03

6-E-0 912 Bed Mount Exploded View 09/03

- 1) New drawing, from firewall forward installation (09/03)

6-E-3 Rotax 912 Engine Mount 08/04

- 1) Bottom right diagram; change 255 to 225 dimensions of supplied part (08/04)
- 2) 6E3-2 gusset material change 4130N to 4130 plate (08/04)

6-E-5 Dual Throttle 09/03

6-E-6 Oil Tank Brackets 09/03

6-E-7 Oil Cooler for Rotax 912 09/03

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