

ZODIAC CH 601 HD

Summary of Revision from 06/02 to 09/03, changes included in current drawings:

5th edition 1st printing 09/03

6-G-0 Drawing list Sept. 25, 2003

- 1) New drawings (09/03)
- 2) Revised title block on each page of drawings, date is repositioned underneath the drawing number, deleted reference to edition. Added revision part number beside each part number (digit in a triangle), Added material (6061-T6) underneath part number description.(09/03)
- 3) Move the tail section before the wing section (09/030)

6-G-1 Three view. DATE: 09/03

- 1) new page layout, added drawing number 6-G-1 (09/03)
- 2) Added speed limitation: maneuvering speed = 105MPH, 170Km/h (09/03)
- 3) 5th edition 1st printing 09/03

6-G-2 General Arrangements. DATE: 04/01

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

- 1) Moved standard L ANGLE top right diagram from 6-V-5 to 6-T-0 (06/03)
- 2) Add part number example (06/03)

6-T-1 STABILIZER AIRFOIL. DATE: 06/03

- 1) 6T1-4 change dl=114 to dl=112mm (02/03)
- 2) top right diagram: distance from CL to second rivet, change 80 to 64, first rivet is at 30mm from the rivet on the aircraft center line (02/03)
- 3) 6T1-4HD, 6T1-6HD, 6T1-7HD length, change 1220 to 1219mm (02/03)
- 4) 6T1-8 change quantity from 1L + 1R to 2 req'd (06/03)

6-T-2 STABILIZER ATTACHMENTS. DATE: 05/03

- 1) Added 2205 dimension between the Tip rib 6T1-8 (02/03)
- 2) A4 pitch 40 fiberglass tip to 6T1-8 and 6T2-4 (02/03)
- 3) Total 4 rivets in spar flange of each rib 6T1-2 (02/03)
- 4) Right middle diagram: replace the 75mm with 17mm to the center cutout in Rear Attachment 6T2-3, delete 178mm from right middle diagram (03/03)
- 5) Middle diagram: add a note to file a radius along front edge of the Rear Attachment 6T2-3. Side view shown with the top of the Attachment 6T2-3 closer to the top to maximize on the overlap with the Doubler 6T2-3 (03/03)
- 6) 6T2-5 piano hinge, replace "Pin" under description with "Corrosion resistant Steel Pin" (05/03)
- 7) Bottom middle diagram: rivets in end rib 6T1-1, added: A4 pitch 35 (13 rivets A4), 3 rivets in the nose in front of the spar (05/03)

6-T-3 ELEVATOR. DATE: 06/03

- 1) **6T3-5 Rev 1** Change location of hole from 95mm to 92, 22 to 24mm. Aft edge change 28 to 31 (02/03)
- 2) **6T3-6 Rev 1** Change length from 150 to 160mm (02/03)
- 3) Left middle diagram: delete 55 and 22 (location of 6T3-6) (02/03)
- 4) 6T2-7 change 50x70 to L=50, dl=70 (06/03)

6-T-4 VERTICAL TAIL RIBS. DATE: 06/04

- 1) 6T5-4 change 5.5 deg open to 5.5 deg closed (06/03)

6-T-5 VERTICAL TAIL SKELETON. DATE: 09/03

- 1) 6T5-5 Rev 2 change top flange from 30mm to 20mm, change 35x75 to L=35, dl=65 (06/03)
- 2) 6T5-3, Position of Horn, hinge line = 10mm Ref see 6T4-3 (09/03)

6-V-0 Wings: Exploded view. DATE: 09/03

- 1) Moved note ref wing locker to top drawing 6-V-3 (09/03)

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

- 1) 6V1-3 distance between last two lightening holes, change 173 to 165mm (11/2002)

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

- 1) 6V2-3 distance along bottom edge, change 270 to 252mm (04/03)

6-V-3 Right Wing Skeleton. DATE: 09/03

- 1) Bottom diagram: clarify that reinforcement L angle goes on the front side of the spar in the corner of the nose rib with the top and bottom spar doubler. Installed at along NR at station 130 on O/B wing, and station 585, 665, 700, 900, 1014 (09/03)
- 2) Added note for wing locker from 6-V-0 (09/03)

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

1. Spar Cap 6V4-5 (09/01) change extrusion 1-1/2" x 3/4" x .125" to extrusion 1-1/2" x 1" x .125" (03/03)
2. Upper Cap Doubler 6V4-2 (09/01) top right diagram: change R1" to R1/8" (03/03)
3. Middle left diagram: front view of spar: removed dimensions to first 6 rivets, Added L angles on front side of spar. (09/03)

6-V-5 Landing Gear Rib Box. DATE: 09/03

- 1) Top right diagram: delete L angle from drawing 6-V-5 (detail added to 6-T-0) (09/03)

6-V-6 Landing Gear Rib Box Sub assembly. DATE: 09/03

- 1) Adjusted (re-drew) size of last lightening hole in rear ribs (09/03)
- 2) A4 pitch 40 in L angles to rear ribs 6V1-3 at stations 665 and 770 (09/03)
- 3) Left bottom diagram: delete 5 rivets A5 in rib flange: nose ribs at stations 900 and 1014 are riveted together with Gear Ribs 6V2-1 with 9 Rivets A5 (09/03)

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: 01/2002

6-V-10 Right Wing Aileron. DATE: 09/03

- 1) 6V10-1 top right diagram: delete 236, 20 & 40 (09/03)
- 2) Bottom right diagram: change to wider piano hinge: change AN257-4 to MS20257-5 (09/03)

6-V-11 Center wing Skins and riveting. DATE: 09/03

- 1) 6V11-2D, cutout for gear slide extrusions are not centered front to back, moved cutout towards the front (09/03)
- 3) Part number correction: middle diagram: change 6V5-2 to 6V5-3, bottom left diagram 6V11-1 to 6V11-1HD, bottom diagram change 6V11-2 to 6V11-2HD (09/03)

6-V-12 Seat Installation. DATE: 09/03

- 1) Top left diagram: change 1/8" holes to #20 holes through 1/8" plastic bearing material (09/03)

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

6-V-14 Aileron Bellcrank. DATE: 09/03

- 1) 6V14-3 use a 6.5mm reamer through the 1/4" hole (09/03)

6-V-15 Wing Splice. DATE: 09/03

- 1) left middle diagram: top view: changed "40 overlap" to 25mm (09/03)

6-F-0 Fuselage Exploded view. DATE: 09/03

- 1) 6-F-0 Bottom left change 6F10-5 to 6F10-5HD, part number correction (top left) change 6F3-4 to 6F3-1 (04/02)
- 2) Added exposed view of .040 and .063 shims between lower rudder hinge 6F3-2A & 2B (09/03)

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

- 1) Bottom diagram: change 6F1-6 to 6F1-6HD (09/03)

6-F-2 Rear Fuselage Members. DATE: 09/03

- 1) Added shading to differentiate between part blank and form block for 6F2-1HD and 6F2-3HD. (09/03)
- 2) Added detail for installation of 6F2-4HD to 6F2-3HD (09/03)
- 3) 6F2-7 and 6F2-8 change rivet spacing from 20mm to 18mm for bottom 3 rivets, distance between 4th (top rivet in HT frame) 26mm to rivet to in longeron 6F1-2 (09/03)

6-F-3 Rudder Hinges. DATE: 09/03

- 1) Top right diagram: distance between 6F3-2A and 6F3-2B, change 3.2+ to 4.2mm (09/03)
- 2) Move top right diagram, tie down ring to drawing 6-F-4 (09/03)

6-F-4 Rear Fuselage Riveting. DATE: 09/03

- 1) New page layout (09/03)
- 2) Show Rudder cable outlet fairing to overlap on the outside of the fuselage side skin, between 6F4-1 and 6F1-3 (09/03)
- 3) Bottom left diagram: first rivet from top in 7F2-3HD change 90 to 95, first rivet from top in 6F2-1HD change 90 to 100 (09/03)
- 4) Add more detail diagram (side view) for 6F4-1, length = 80mm (09/03)

6-F-5 Front Longeron Forming. DATE: 04/01

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

- 1) Change to page layout, move 6F6-3 to right middle position (09/03)

6-F-7 Firewall & Stiffeners. DATE: 09/03

- 1) 6F7-1 Added crimp locations on firewall (09/03)
- 2) 6F7-2 Rev 1, redraw part (09/03)

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

- 1) 6F10-2HD side view, part number correction, change 6F9-2 to 6F8-2 (also bottom right diagram) Middle and bottom right diagram, corrected 6F9-3 to 6F9-3HD (09/03)
- 2) Bottom right diagram: Doubler 6F10-5HD installed on the outboard side of the Stiffener 6F9-4 (09/03)

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

- 1) 6F11-3 bottom co-coordinate for form block, delete e 37 (08/02)
- 2) 6-F-11 top middle diagram: change Rear View to FRONT VIEW the Fairlead is on the right side Ref 6-V-12) (08/02)
- 3) New page layout, added crimp location on form blocks (09/03)

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

- 1) Right middle diagram: Part number correction change #5 to #6 Fitting 6F12-6 (09/3)
- 2) New page layout (09/03)
- 3) 6F12-5 change y=66 to 62 (09/03)

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

- 1) 6F13-5HD right middle diagram: delete 60mm cutout at the front delete 830 length of flange between front & rear cutout. (09/03)

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

- 1) new page layout: Moved bottom right diagram (rudder pedals) to drawing 6-F-17, Added top left diagram from drawing 6-F-15 Rudder attachment to fuselage (09/03)
- 2) 6F14-4 Rev 1 change 460 to 470 (09/03)
- 3) Added new diagram: trim the aft edge of fuselage side skins 6F3-3 to make room for rudder fairing 6T5-4 in full rudder deflection (09/03)
- 4) Added detail side view of rudder hinge to show bushing between 6T4-3 (09/03)

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

- 1) New page layout, moved top left diagrams to 6-F-14 (09/03)
- 2) Part number corrections, bottom right: change 6F17-15 to 6F17-5, top left, in text change 6F14-2 to 6F14-1, Top right diagram, change 6F3-4 to 6F1-3 (09/03)
- 3) Added text bottom of page: The front of the Saddle is also the upper elevator stop. (09/03)

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

- 1) Vent hole in cap, change diameter from 1/32" to 1/8" (09/03)

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

- 1) New page layout, moved rudder pedal diagram from 6-F-14 to 6-F-17 (09/03)

6-F-18 Hydraulic Brakes 09/03

- 1) Bottom right diagram: added vertical dimension for position of lower master cylinder support tube to rudder pedal: 55mm from center to center (09/03)
- 2) Right middle diagram: change ¼;" to 3/16" steel rod to attach toe brakes to rudder pedals. (09/03)

6-L-0 Landing Gear Exploded view 08/01**6-L-1 Landing Gear 09/03**

- 1) 6L1-2 cross tube for the bungee, clarification: 92mm is the length of the tube, 16mm between the 2" gear leg and the bungee retainer plate. (03/02)

- 2) 6L1-3HD, change 6 bolts AN4-7A to AN4-10A (for 3/16" plate welded at the end of the gear leg) (03/02)
two places 6L1-1 and 6L1-2 (also bottom left diagram) (12/02)
- 3) 6L1-1 & 2 description, change Tube 4130 steel to "welded assembly" (12/02)
Top left diagram, delete 2", delete "or one welded bolt + locknut" also for the 6L1-2 (12/02)
- 4) 6L1-3 move part number under the layout (12/02)
- 5) 6L1-3HD Added dl=410 width=100, sides overlap on 150mm (12/02)
- 6) 6L1-2 notation "steel tube" replaced with 4130N tube (12/02)
- 7) 6L1-2 to middle diagram 90x90 4130N steel plate, middle bolts 8mm edge distance. (12/02)

6-L-3 Lower Bearing & support 05/01

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

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

6-E-1 Fuselage Wing Fiaring 11/01

6-E-2 Canopy Lock System 04/02

6-E-3 Rotax 912 Engine Mount 09/03

- 1) 6E3-2 Rev1, Changed 205 to 210,285 to 291 (09/03)

6-E-4 Canopy Frame 09/03

- 1) Top middle diagram: delete master (09/03)

6-E-5 Dual Throttle 09/03

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

6-E-6 Oil Tank Brackets 09/03

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

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

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

***** end ****