

ZODIAC CH 601 XL
Drawing list December 04, 2003

3rd revision of 2nd edition 12/03

Summary of revisions from 07/03 to 11/03

AIRFRAME

6-X-0 DRAWING LIST **Dec 4, 2003**

6-X-1 **12/03** THREE VIEW

- 1) Add 3rd revision 12/03, change second and first "printing" to revision (12/03)

6-T-0 **06/03** TAIL EXPLODED VIEW

6-T-1 **06/03** STABILIZER AIRFOIL

6-T-2 **05/03** STABILIZER ATTACHMENTS

6-T-3 **06/03** ELEVATOR

6-T-4 **12/03** VERTICAL TAIL RIBS

- 1) bottom middle diagram: change 6T4-5 to 6T5-3 (12/03)

6-T-5 **12/03** VERTICAL TAIL SKELETON

- 1) bottom right diagram: added hinge line (12/03)

6-T-6 **02/03** RECESSED ELEVATOR TRIM TAB

6-W-0 **12/03** EXPLODED VIEW

- 1) L angles on first rear rib: moved from inboard to outboard side of rib (12/03)

6-W-00 **12/03** RIGHT WING ASSEMBLY

- 1) Added web on nose and rear rib (hidden line) (12/03)

6-W-1 **02/03** FLAPS

6-W-2 **10/03** AILERONS

- 1) Left middle diagram: rivet pitch in skin & ribs: change 15 to 20, last rivet on top side 25mm from trailing edge, change 6 Rivets A4 pitch 35 to A4 pitch 40. BOTTOM SIDE: change 15, 15 to 15,20, last rivet at 30mm from trailing edge, change 6 Rivets A4 pitch 36 to A4 pitch 40 10/03
- 2) 6W2-3 delete 45mm (10/03)
- 3) Bottom right diagram: top flange of ailerons ribs, show square corner in stead of diagonal (10/03)
- 4) Right diagram: rivets in aileron tip, 9 rivets A4 (04/03)

6-W-3 **05/03** OUTBOARD WING SPAR ASSEMBLY

6-W-4 **05/03** CENTER WING SPAR

6-W-5 **01/03** SPAR TIP / NOSE RIBS

6-W-6 **12/03** REAR RIBS

- 1) Text bottom right of page, Rear Ribs - Rear flange , change 3 degrees OPEN to "3 degrees CLOSED" for rear ribs 1 to 9 (09/03)
- 2) Left middle diagram: CLARIFICATION: reference for the location of the lightening holes is the front edge of the form block, not rib blank. (12/03)
- 3) middle diagram: change 241.4 to 240 and 230.3 to 230 add title under diagram: detail of O/B side of rib (12/03)

- 6-W-7** **10/02** REAR CHANNEL
6-W-8 **06/03** WING SKINS
- 6-W-9** **12/03** TIEDOWN RING
1) top diagram: move location pitot tube to O/B side of rear rib #5 (instead of on I/B side) to route line around wing locker compartment (12/03)
2) 6W9-2 Clarification: tie wraps = nylon cable ties
3) Bottom middle diagram: 6W9-7, crimp top and side flange to match curvature of wing tip
- 6-W-10** **12/03** AILERON CONTROLS
1) 6W10-2, change 6.5mm to 6.4 reamer (12/03)
- 6-K-1** **09/03** LEADING EDGE WING TANKS
1) top middle diagram: change part number, change E410 to E-400-000 OUTLET, and E-400 to E-398-000 DRAIN (09/03)
- 6-K-2** **03/03** CENTER CONSOLE/ FUEL FLOW DIAGRAMS/ GASCOLATOR
- 6-B-0** **11/03** FUSELAGE EXPLODED VIEW
1) Update location of hole for rudder cables through channel 6B5-2 (09/03)
2) 6B6-5, corrected orientation: bend is on the O/B side, shown correctly on drawing 6-B-10 (11/03)
- 6-B-1** **12/03** FUSELAGE BOTTOM SKIN H.T. FRAMES
1) 6B1-5, REV 1, change 90 degrees to 87 degrees (3 degrees closed) (12/03)
2) 6B1-6, REV 1, change 90 degrees to 87 degrees (12/03)
- 6-B-2** **10/03** REAR BOTTOM LONGERONS
1) 6B2-4, 6B2-6, 6B2-7, shows rivets as "+" and bolt holes as "o" (10/03)
- 6-B-3** **10/03** REAR SIDE SKINS
1) 6B3-3, vertical spacing between rivets: first rivet from top in HT frame , change 20 to 26mm, vertical distance, change 20 to 18mm (three places) (10/03)
2) 6B3-3, 6B3-4, shows rivets as "+" and bolt holes as "o" (10/03)
- 6-B-4** **10/03** REAR FUSELAGE RIVETING
1) Top right diagram "top view 6B2-4" changed to "top view 6B4-2" (10/03)
2) Left middle diagram: relation of arrow to point last (front) rivet on 6B3-6 (10/03)
- 6-B-5** **09/03** REAR FUSELAGE ASSEMBLY
1) 6B5-2 Reposition holes for cables: Left hole, change 30 to y= 65 (x=45 to left remains unchanged). Top right hole, change 45 to x=55 (y=30 no change). Delete bottom right hole (x=45y=65). (09/03)
- 6-B-6** **12/03** FIREWALL & STIFFENER
1) 6B6-2, bottom horizontal coordinates at y=25, change x=355 to x=362mm (09/03)
2) 6B6-5 Clarification: 10 degrees is the angle between the cabin floor and the firewall, 7 degrees between the longerons and the front edge of the cabin floor skin. (12/03)
- 6-B-7** **12/03** FIREWALL RIVETING
1) top left diagram: no rivet zone for engine mount, change "SEE 6-E-2" to see 6E3-2 (12/03)
- 6-B-8** **12/03** NOSE GEAR UPPER BEARING
1) 6B8-6, delete 75mm, add 9.5mm between the front edge of the 2" hole and the front edge of the bearing 6B8-6 (12/03)

- 6-B-9 09/03 RUDDER PEDALS**
 1) 6B9-1 Top left diagram: delete side view, added hidden lines to left rudder cable attachment plate to center line of tube. Text, replace weld with left and right rudder cable attachment plate. Delete "welded" on AN5-13 bolt (09/03)
 2) 6B9-4, change height from 30mm to 35mm or 1-3/8" (09/03)
- 6-B-10 12/02 FRONT FLOOR SKIN**
- 6-B-11 12/03 UPPER FRONT LONGERONS**
 1) 6B11-4, 1/2" bolts, added: Grade 8 bolts (12/03)
- 6-B-12 12/03 FUSELAGE BULKHEADS**
 1) Bottom right diagram 6B12-3. Clarification 9.5 degrees open, corner relief holes=1/4" (12/03)
- 6-B-13 12/02 WING JIG**
- 6-B-14 06/03 JOINING FUSELAGE ASSEMBLIED**
- 6-B-15 06/03 FORWARD FUSELAGE STIFFENERS**
- 6-B-16 06/03 SEAT BACK SUPPORT**
- 6-B-17 12/03 CONTROL STICK**
 1) 6B17-1 change dl=243 to dl=238 (12/03)
- 6-B-18 06/03 ARM REST / SEAT BELT**
- 6-B-19 06/03 FLAP CONTROLS**
- 6-B-20 06/03 FRESH AIR VENT / FLAP CIRCUIT**
- 6-B-21 01/03 FUSELAGE TOP SKIN**
- 6-B-22 09/03 CABLE FAIRLEADS**
 1) Top middle diagram: Rudder & upper elevator fairlead, change size from 50 x 100 to 75x100. Repositioned fairlead I/B edge 5mm from centerline, vertical: middle in line with top of channel 6B5-2
 2) Reposition UPPER ELEV. Cable above the top of the Channel 6B5-2, 30mm from center line (right side) 20mm up from top flange of 6B5-2. Moved L RUDDER from 60 to 30mm (down from top flange of 6B5-2) horizontal: from 45 to 55mm (right of center line) R. RUDDER cable, moved down from 30 to 65mm (45mm left of center line).
 3) Add a support L angle on center line between 6B5-3 and 6B5-2 (09/03)
- 6-B-23 09/03 CONTROL CABLE ENDS**
 1) Middle diagram: Upper elevator cable, shown through lightening hole in 6B5-1 and 6B17-1, through Rudder & Upper Elevator fairlead above the top flange of the channel 6B5-2 (09/03)
 2) Bottom right diagram: added rudder fairleads for rudder cable on the front side of the main spar, ref top left diagram on 6-B-22 (09/03)
- 6-C-1 01/03 CANOPY HINGE**
- 6-C-2 01/03 CANOPY SIDES**
- 6-C-3 01/03 CANOPY FRAME**
- 6-C-4 06/03 CANOPY RELEASE**

- 6-G-1** **11/02** NOSE GEAR STRUT ASSEMBLY
- 6-G-2** **12/03** NOSE GEAR BEARING
1) Top middle diagram: added 60mm from center of 2" nose gear to firewall (12/03)
- 6-G-3** **10/02** MAIN SPRING GEAR
1) 6G3-1, deleted section A-A
- 6-S-2** **06/03** INSTRUMENT PANEL LAYOUT
- 6-S-3** **12/03** WING ATTACHMENT, FLAP TEMPLATE
1) top right diagram: Rubber wing root fillet, change 11ft to 12ft. (12/03)
- 6-S-4** **08/02** INSTALLATION OF STABILZER
- 6-S-5** **10/03** RUDDER ATTACHMENT
1) Top left diagram: part number correction, change 6F4-3 to 6T4-3 (10/03)

POWERPLANT

- 6-E-3** **06/03** ENGINE MOUNT ROTAX 912S
- 6-E-5** **06/03** DUAL THROTTLE
- 6-E-6** **12/02** OIL TANK BRACKETS
- 6-JE-1** **08/03** JABIRU 3300 ENGINE MOUNT
1) -1 Rev 2 bottom inside tubes (the two tubes that meet at apex) 2 tubes, use tube ¾" OD x .058" wall instead of .035" wall. (08/03)
- 6-CE-1** **12/02** CONTINENTAL 0-200 STRAIGHT ENGINE MOUNT
- 6-YE-1** **10/03** LYCOMING 0-235 CONICAL ENGINE MOUNT
1) bottom middle of page: engine attachment: Added note: engine mount fittings 6B6-4 & 5, require longer bolts AN6-23A (10/03)
2) bottom of page, Firewall Attachment: moved the upper right above the lower right (changes to page layout) (10/03)
- 6-YE-2** **12/02** LYCOMING 0-235 DYNAFOCAL ENGINE MOUNT

OPTIONS

- 6-ATO-1** **12/03** XL AILERON TRIM TAB OPTION
1) 6ATO-1-3, change length 565 to 560mm (12/03)
- 6-LLO-1** **10/03** LANDING / TAXI LIGHT OPTION
1) 6-LLO-1-2 REV 1, change orientation of channel flange of riblet, bend flange outboard instead of inboard, orientation: the 3 crimps are on the top flange (10/03)
2) Top left diagram: redraw to show installation of light on left wing. (10/03)
3) Part number correction, left diagrams: change 6W12-2 ribs let to 6-LLO-1-2, 6W6-12 lens to 6-LLO-1-6, bushing 6W12-5 to 6-LLO-1-5, back plate 6W12-3 to 6-LLO-3, Face plate 6W12-4 to 6-LLO-1-4
3) 6-LLO-1-6 REV 2 lens, supply formed acrylic lens in kit, top diagram change screw patter, 5 screws along aft edge of lens(10/03)
4) 6-LLO-1-7 REV 1, BACKING STRIP, top and bottom qty=2, 18mm wide (no flange) t=.032" (10/03)
5) top left diagram: Riblet is installed overlap end of channel, rib web is 18mm I/B from the end of the channel 6-LLO-1-1. LEADING EDGE CUTOUT (delete 240mm), I/B end of the cutout

- is 45mm from the rivet line in NR#8, O/B end of cutout is 15mm from the web of the riblet (10/03)
- 6) Bottom left diagram: face plate 6-LLO-1-4 is installed with the flanges pointing back (instead of forwards). (10/03)

6-NSO-1 12/03 NAV/STROBE LIGHT OPTION

- 1) left middle diagram: deleted Nav/strobe contour (change to page layout). Add 3 rivets A5 with washer or aluminum plate on back side of rivet and fiberglass. Top left diagram: Moved power unit closer to lightening hole. (12/03)
- 2) Top middle diagram: added 16AWG for the wires. (12/03)

6-WFO-1 10/02 WHEEL FAIRING OPTION

6-WLO-1 06/03 WING LOCKER OPTION

6-WKO-1 04/03 AUXILIARY FUEL TANKS OPTION

CONFIGURATION OPTIONS

6-PH-1 10/03 PIANO HINGED AILERONS

- 1) Renumbered drawing, previously 6W2-PH, bottom right box, added page 1 of 1 (06/2003)
- 2) 6-PH-1-2 piano hinge, change MS20257-4 to MS20257-P5 (2" open instead of 1.5") 10/03
- 3) Bottom left diagram: rivets spacing on ribs, see 6-W-2 (10/03)

6-DS-1 09/03 DUAL STICK CONFIGURATION: MODIFIED TORQUE TUBE

- 1) New drawing (09/03)

6-DS-2 09/03 DUAL STICK CONFIGURATION: CONTROL CONNECTION

- 1) New drawing (09/03)

6-DS-3 09/03 DUAL STICK CONFIGURATION: CONTROL COLUMNS

- 1) New drawing (09/03)

6-TD-1 11/03 TAIL DRAGGER CONFIGURATION: TAIL SPRING PICK UP

- 1) New drawing (11/03)

6-TD-2 11/03 TAIL DRAGGER CONFIGURATION: LOWER FRONT LONGERONS

- 1) New drawing (11/03)

6-TD-3 12/03 TAIL DRAGGER CONFIGURATION: GEAR UPRIGHTS

- 1) New drawing (11/03)

** end **