

Zodiac CH 601 XL drawing revision log, updates included in 4<sup>th</sup> Edition, January 1, 2008.

6-X-0	01/08 DRAWING LIST	<ol style="list-style-type: none"><li>1. 6-K-0 has been removed.</li><li>2. 6-B-24 has been added</li><li>3. 6-LRO-1 has been added</li></ol>
6-X-1	01/08 THREE VIEW	<ol style="list-style-type: none"><li>1. 4<sup>th</sup> Edition, January 1, 2008</li></ol>
6-T-0	03/06 TAIL EXPLODED VIEW	
6-T-1	03/06 STABILIZER AIRFOIL	
6-T-2	01/08 STABILIZER ATTACHMENTS	<ol style="list-style-type: none"><li>1. 6T2-1/2 changed length from 105 to 110mm (05/06)</li><li>2. 6T2-2/2 changed length from 78 to 82mm (05/06)</li></ol>
6-T-3	01/08 ELEVATOR	<ol style="list-style-type: none"><li>1. Bottom Left diagram: rivet count in skin corrected.</li><li>2. Angle specified as 95 degrees for lower flange of 6T3-2/0</li></ol>
6-T-4	08/05 VERTICAL TAIL RIBS	
6-T-5	03/06 VERTICAL TAIL SKELETON	
6-T-6	01/08 XL ELEVATOR TRIM TAB	<ol style="list-style-type: none"><li>1. 6T6-6 geometry changed to reflect actual part geometry</li><li>2. Top right diagram changed to reflect 6T6-1/3 part geometry.</li></ol>
6-W-0	01/08 EXPLODED VIEW	<ol style="list-style-type: none"><li>1. Nose Rib 4 has been moved to reflect position for standard 12 gallon fuel tanks</li></ol>
6-W-00	01/08 RIGHT WING ASSEMBLY	<ol style="list-style-type: none"><li>1. Nose Rib 4 has been moved to reflect position for standard 12 gallon fuel tanks</li></ol>
6-W-1	01/08 FLAPS	<ol style="list-style-type: none"><li>1. 6W1-2 flap skin: changed dl=776, L=2080 (05/06)</li><li>2. bottom middle diagram: revised rivet spacing: front changed 22 to 11, 25 to 27, 25 to 27. Top changed 18 to 14mm. deleted pitch 39. Bottom: deleted pitch 40 (05/06)</li><li>3. bottom right diagram: hinge: added rivet to diagram: two rivets 20mm apart. (05/06)</li></ol>
6-W-2	01/08 AILERONS	<ol style="list-style-type: none"><li>1. 6W2-2 flange dimensions added, front flange 88mm, bottom flange 291mm, and top flange 280mm.</li><li>2. 6W2-3 dimension correction, forward skin overhang changed from 45mm to 50mm.</li></ol>
6-W-3	01/08 OUTBOARD WING SPAR ASSEMBLY	<ol style="list-style-type: none"><li>1. Position for Long Nose Rib Angle for Nose Rib 4 dimension changed to reflect standard 12 gallon fuel tanks.</li><li>2. Typo corrected, Top Left of drawing: "...Long Nose Rib Angle..." instead of "Angler."</li><li>3. Note added to center diagram, 'For long range tank option see 6-LRO-1.'</li></ol>
6-W-4	01/08 CENTER WING SPAR	<ol style="list-style-type: none"><li>1. Center Spar to Outboard Spar connection dimensions: 175mm moved to center set of bolts to clarify bolt positions and corrected to 174mm.</li></ol>
6-W-5	03/06 SPAR TIP / NOSE RIBS	
6-W-6	03/06 AILERON BELLRANK	

- 6-W-7 01/08 REAR CHANNEL
1. Dimensions added to clearly show Nose Rib positions.
  2. Nose Rib 4 position and dimension changed to reflect standard 12 gallon fuel tanks.
  3. Note added: "LONG RANGE TANKS: SEE DRAWING 6-LRO-1.
- 6-W-8 01/08 WING SKINS
1. Bottom Right diagram: Nose Rib 4 position changed to reflect standard 12 gallon fuel tanks.
- 6-W-9 01/08 TIEDOWN RING
1. 50mm dimension add to the bottom of the rivet line for the tie down ring 6W9-1/0.
  2. Note added to chamfer the inside of 1" hole in 6W9-1/0 to prevent chafing of tiedown rope.
  3. Nose skin tip profile corrected to provide a smoother curve.
- 6-W-10 01/08 AILERON CONTROL
1. Bottom center diagram, rivet quantity corrected to 4 rivets A5.
  2. Distance from aileron neutral to aileron stops 6W10-4/1 removed.
  3. Changed dimension for Aileron Stop, 6W10-4, from 130mm to 125mm to provide proper edge distance.
- 6-K-0 01/08 STANDARD 12 GALLON LE WING TANKS
1. Drawing Removed.
- 6-K-1 01/08 STANDARD LEADING EDGE WING TANKS
1. Drawing page renamed.
  2. tank access cover cutout position dimension changed from 35mm to 50mm, not enough clearance around spar caps for nut plate.
  3. Female threaded cap fitting M142 welded on inside of tank.
  4. 6K1-2 revision to the length of the access cover, 210 is the length from front to back.
  5. Tank skin length changed to 1010 to reflect standard 12 gallon tank.
- 6-K-2 08/05 CENTER CONSOLE 3 WAY FUEL SELECTOR GASCOLATOR
- 6-B-0 01/08 FUSELAGE EXPLODED VIEW
1. 6B7-4 and 6B7-5 added to drawing.
  2. 6B6-4 modified to show current part geometry.
  3. 6B7-3 location corrected.
  4. Hole in baggage floor 6B16-1/1 for 6B5-6 remove as part length has changed.
- 6-B-1 01/08 FUSELAGE BOTTOM SKIN
1. fairlead riveted to 6B1-1 given part number: 6B24-1
- 6-B-2 01/08 REAR BOTTOM LONGERONS
1. Rivet count error corrected part 6B2-6, 4 Rivets A5 instead of 6 Rivets A5.
- 6-B-3 01/08 REAR SIDE SKINS
1. typo on 6B3-7, 6G3-2 changed to 6G3-5
- 6-B-4 01/08 REAR FUSELAGE RIVETING
1. Rudder cable outlet fairlead moved to page 6-B-23 and given part number.
- 6-B-5 01/08 REAR FRAME ASSEMBLY
1. 6B5-6/0 length changed to 400mm, rev. changed to 6B5-6/1.
- 6-B-6 01/08 FIREWALL & STIFFENER
1. Part Revision 6B6-4/4. Geometry of 6B6-4 has been changed to allow a hard point for a BRS system.
- 6-B-7 01/08 FIREWALL RIVETING

1. Part 6B7-4/0 added.
2. Part 6B7-5/0 added. 6B7-4 and 6B7-5 are used to cover the opening required for the steering rods, 6G2-4.
3. Part number corrected from 6B8-2 to 6B6-2 in top center diagram.
4. Rivets through L angle into 6B7-1 corrected from A4 to A5.

- 6-B-8            01/08 NOSE GEAR UPPER BEARING
1. 6B8-3/2 Pedal Bearing Channel, changed 715 to 700mm, change 785 to 780mm.  
Ref. 6-B-9, front flange is positioned at 95mm from front edge of cabin floor (length of channel has to fit between the left and right bends in 6B10-1 (06/06))
- 6-B-9            01/08 RUDDER PEDALS
1. Extra 5mm dimension removed from 6B9-4/0.
  2. Bolts through 6B9-4 corrected to AN3-16A.
- 6-B-10           01/08 FRONT FLOOR SKIN
1. Top left diagram: part geometry changed to reflect new revision for 6B6-4.
- 6-B-11           01/08 UPPER FRONT LONGERONS
1. new diagram Bottom Right: Hole sizes and locations for cables, electric wires, fuel line, and pitot tubes shown in 6B11-2.
  2. Castle Nut AN310-8 shown in drawing of 6B11-4/1.
- 6-B-12           01/08 UPPER FRONT LONGERONS
1. Drawing layout changed to be more easily read.
  2. Elevator fairlead moved to page 6-B-24 and given a part number.
- 6-B-13           01/08 WING JIG CENTER WING SPAR UPRIGHTS
1. Lower Right Diagram: Critical dimensions on wing jig template boxed.
  2. Note added: "NOTE: IT IS ACCEPTABLE TO DRILL OVERSIZE HOLES IN WING TEMPLATE FOR EASIER BOLT ALIGNMENT THROUGH CENTER SPAR SECTION."
  3. Typo corrected "Stiffener L angle riveted to web" from "...rivetd..."
- 6-B-14           01/08 JOINING FUSELAGE ASSEMBLIED
1. Bottom front 2 bolts through 6B11-4, 6B11-2, and 6B10-4 changed from AN3-5A with 2 washers to AN3-4A with one washer.
- 6-B-15           01/08 FORWARD FUSELAGE STIFFENERS
1. 18mm flange added to 6B15-4 to remove need for L angle.
  2. 6B15-4/1 rev. changed to 6B15-4/2.
- 6-B-16           01/08 SEAT BACK SUPPORT
1. L angle removed from top right diagram for part 6B18-1/2 to reflect update in part.
- 6-B-17           01/08 CONTROL STICK
1. Diagram added above control stick. Tubes cut on angle to allow wires through the top of the stick.
- 6-B-18           01/08 ARM REST / SEAT BOTTOM
1. new revision 6B18-1/2. 18mm flanges added to remove need for L angles.
  2. new revision 6B18-3/2. 18mm flanges added to remove need for L angles.
  3. Number of rivets specified for part 6B18-3/2 as 11 rivets A5.
- 6-B-19           01/08 FLAP CONTROL
1. 6B19-6/0 replaced with part 6B19-10/0 for new Linear Flap Actuator.
  2. 6B19-7/0 replaced with part 6B19-11/0 for new Linear Flap Actuator.
  3. Flap Actuator D145-00-36-3 replaced by Linear Flap Actuator.
  4. Bottom Left diagram modified to reflect Linear Flap Actuator.
- 6-B-20           01/08 AIR SCOOP CABIN FRESH AIR FLAP CIRCUIT

- 1. 6B20-4 geometry changed to reflect correct part geometry.
  - 2. wiring diagram changed to reflect new linear actuator.
- 6-B-21 01/08 FUSELAGE TOP SKIN
- 1. 6B21-3/1 part length changed to 200mm, and 10 rivets A5 instead of 6 rivets A5 attach 6B21-3/1 to the longeron.
  - 2. 6B5-6 change shown in upper left diagram.
- 6-B-22 01/08 AILERON FAIRLEADS
- 1. Drawing name changed.
  - 2. Fairleads given part numbers.
  - 3. Elevator fairlead positions moved to drawing 6-B-24.
  - 4. Rudder fairlead positions moved to drawing 6-B-23.
- 6-B-23 01/08 CONTROL CABLE ENDS
- 1. New part: 6B23-1/0 RUDDER CABLE OUTLET FAIRLEAD.
  - 2. New part: 6B23-2/0 RUDDER & UPPER ELEVATOR FAIRLEAD.
  - 3. New part: 6B23-3/0 RUDDER CABLE FAIRLEAD ON CENTER SPAR.
  - 4. New part: 6B23-4/0 LEFT RUDDER FAIRLEAD
  - 5. Fairlead positions added to drawing.
- 6-B-24 01/08 ELEVATOR CABLE FAIRLEADS
- 1. New drawing for elevator fairleads and positions for elevator fairleads.
- 6-C-1 01/08 CANOPY HINGE
- 1. Right diagrams: part geometry changed to reflect revision to part 6B6-4.
- 6-C-2 01/08 CANOPY SIDE FRAMES
- 1. Tabs on canopy frame changed to allow multiple attachment points for flashings.
  - 2. O/B angle on canopy frames can be made from 4130 or mild steel.
  - 3. 3<sup>rd</sup> tab location dimensioned on part 6C2-3/1.
- 6-C-3 01/08 CANOPY FRAME
- 1. updated to reflect changes in 6-C-2
- 6-C-4 01/08 CANOPY RELEASE CANOPY SCREWS & SEALS
- 1. Locking Latch Assembly replaces HANDLE CABLE CONNECTOR 6C4-3
  - 2. cutout geometry added for 6C3-5 in bottom left of drawing.
  - 3. Dimensions removed from Canopy Side.
- 6-G-1 01/08 NOSE GEAR STRUT ASSEMBLY
- 1. Spacers have been lengthened to 33.4mm for proper fit inside the bearing seal.
  - 2. Drain hole added to the bottom plate of Nose Gear Leg 6G1-1 also added to Wheel Fork 6G1-2 and Fork Doubler 6G1-5.
  - 3. plate welded to the top of 6G1-2 nose gear leg with 2 nuts welded to it has been removed.
- 6-G-2 01/08 NOSE GEAR BEARING STEERING ROD
- 1. new revision, Steering Rod 6G2-4/1. Rod is smooth with a threaded end for a rod end. Smooth rod is used to allow free travel through 6B7-5/0.
  - 2. AN316-5R Jam Nut shown and specified for part 6G2-4/1.
- 6-G-3 01/08 MAIN GEAR SPRING
- 1. Spring Gear 6G3-1 rev. 1: angles of main spring changed from 43 to 47 degrees for the angle at the first bend, 53 to 51 degrees at the second bend. Angles change to increase height of the tail to the ground for improved appearance on the ground.
- 6-S-3 01/08 WING ATTACHMENT
- 1. Flap deflection changed from 30 degrees to 20 to 23 degrees for LSA compliance.
  - 2. Flap motor part number corrected.

- 3. Flap Gap Stop given part number 6S3-1/0
- 6-S-4 01/08 INSTALLATION OF STABILIZER
  - 1. Upper Stop L angle location clarified.
  - 2. Saddle Attachment 3 rivets A5 corrected to 5 rivets A5.
- 6-S-5 08/05 RUDDER ATTACHMENT
- 6-ATO-1 01/08 AILERON TRIM OPTION
  - 1. Third rib flange direction changed to match 6-W-2.
  - 2. 6ATO1-6/1 rev. corrected to 6ATO1-6/2.
  - 3. 6ATO1-6/2 bottom right diagram, I/B changed to O/B for correct orientation.
- 6-LLO-1 01/08 LANDING/TAXI LIGHT OPTION
  - 1. 6LLO1-3 part orientation rotated 90 degrees clockwise.
  - 2. 6LLO1-3 notch dimensions changed from 4mm to 5mm deep, and 12mm wide from 14mm.
  - 3. 6LLO1-5 removed. 11mm flange added to 6LLO1-4 to replace 6LLO1-5.
- 6-NSO-1 01/06 NAV/STROBE LIGHT OPTION
- 6-WFO-1 01/08 Wheel Fairing Option
  - 1. Nose wheel attachment bracket 6WFO1-3/2 changed 135 to 161 degrees
  - 2. Changed 11 to 5mm (bottom right diagram, redrew wheel fairing.
  - 3. 6WFO1-1/1 part geometry changed to fit new fairings. Height changed from 56 to 30mm, attachment points changed from 40 to 87mm, axle attachment point changed from 100 to 50mm.
  - 4. Wheel Fairing part number corrected to 6-WF.
- 6-WLO-1 03/06 WING LOCKER OPTION
- 6-PH-1 01/08 OPTION CONFIGURATION: PIANO HINGED AILERONS
  - 1. 6PH1-1 dl corrected from 755mm to 741mm
- 6-LRO-1 01/08 LONG RANGE TANKS
  - 1. New Drawing for 15 Long Range Fuel Tank Option.
- 6-JE-1 01/08 JABIRU 3300 ENGINE MOUNT
  - 1. Top Left diagram: dimensions changed from inches to millimeters.
  - 2. 15mm dimension added to give engine position on right diagram.
- 6-CE-1 01/08 CONTINENTAL O200 STRAIGHT ENGINE MOUNT
  - 1. Center diagram, cotter pin specified for castle nut.
- 6-YE-1 01/08 LYCOMING O-235 CONICAL ENGINE MOUNT
  - 1. Center diagram, cotter pin specified for castle nut.
- 6-YE-2 01/08 LYCOMING O-235 DYNAFOCAL ENGINE MOUNT
  - 1. Center diagram, cotter pin specified for castle nut.