

ZODIAC CH 601 XL Updates included in 3rd edition 3rd revision March 15, 2006

Summary of revisions 08/05 to 03/06

AIRFRAME

- 6-X-0** DRAWING LIST March 15, 2006
- 6-X-1** **03/06** THREE VIEW
1) 3rd revision 03/06 (03/06)
2) Serial number, added "6-" in title box (03/06)
- 6-T-0** **03/06** TAIL EXPLODED VIEW
1) Part correction 6T4-2 instead of fiberglass tip 6T4-10 (03/06)
2) Added 6T5-5 (03/06)
3) 6T2-1 and 6T2-2, part number correction. (03/06)
- 6-T-1** **03/06** STABILIZER AIRFOIL
1) 6T1-2, middle crimp location, changed 145 to 140mm (03/06)
2) 6T1-1, Last two y coordinates, changed 41.3 to 42, changed 39 to 40 (03/06)
- 6-T-2** **07/05** STABILIZER ATTACHMENTS
- 6-T-3** **03/06** ELEVATOR
1) Bottom left diagram: added ref. to trim tab see 6-T-6 (03/06)
- 6-T-4** **08/05** VERTICAL TAIL RIBS
- 6-T-5** **03/06** VERTICAL TAIL SKELETON
1) 6T4-5, top middle diagram: added flange and hidden line of fairing on rudder. (03/06)
- 6-T-6** **08/05** RECESSED ELEVATOR TRIM TAB
- 6-W-0** **03/06** EXPLODED VIEW
1) Rear rib #7, direction of flanged lightening holes, 2 front holes are flanged outboard, 2 rear holes are flanged pointing inboard (03/06).
2) Added part number 6W10-4 (03/06)
- 6-W-00** **03/06** RIGHT WING ASSEMBLY
1) Rear rib #5 change L to R (03/06)
2) Deleted bottom right diagrams (deleted reference to 85mm distance from the inboard end of the aileron to rear rib #7), added note to check that the aileron bolt does not touch flap. If necessary, move aileron out to increase 5mm gap to maintain sufficient distance between head of AN5 bolt through horn 6W2-1 and flap: Ref. 6-W-10 (03/06)
- 6-W-1** **03/06** FLAPS
1) Right middle diagram: added edge distance for rivet line through flap and hinge = 8mm (03/06)
- 6-W-2** **03/06** AILERONS
1) Left middle diagram: deleted 85mm distance from RR#7 to inboard end of aileron. See 6-W-00 (03/06)

- 6-W-3** **04/05** OUTBOARD WING SPAR ASSEMBLY
6-W-4 **10/04** CENTER WING SPAR
- 6-W-5** **03/06** SPAR TIP / NOSE RIBS
1) 6W5-1, top flange on top left diagram, deleted 26mm. Middle diagram deleted 27mm (03/06)
2) 6W5-2, middle diagram: forming block: no cutout in form block (cutout only in rib blank). (03/06)
3) 6W5-2 bottom left diagram: change 353 to 353.2mm (length along reference line). (03/06)
4) middle right diagram: location of fuel lines in NR1 to 3, redrew to scale, the top hole C1 is just below the center of the lightening hole. (03/06)
5) Text bottom right of drawing: No grommets through C3, hole diameter for at C3 = 1.25" for fingerscreen (03/06)
6) Middle right diagram: nose rib – location of holes for fuel line, changed 45 to 40mm (03/06)
- 6-W-6** **03/06** REAR RIBS
1) Top left table: rear rib #7, x=100 Yu change 158 to 158.2mm, x=200 Yl change 68 to 68.2mm. REAR RIB #8, x=100 change Yu=157.3 to 157.8 x=200 change Yl=68 to 68.2mm REAR RIB #9, x=100 change Yu=156.5 to 157.5mm (03/06)
2) bottom right diagram: added note: all rib flanges bent in the same direction (03/06).
- 6-W-7** **03/06** REAR CHANNEL
1) Bottom left, detail in middle circle, mirror image "WEB" text (03/06)
2) 6W7-3/1 change dl=36 to dl=32mm (03/06)
- 6-W-8** **08/05** WING SKINS
- 6-W-9** **03/06** TIEDOWN RING / ACCESS COVER
1) Wing tip BOTTOM SKIN 6W8-2, table in middle of page: Ybottom: change x=0 y=365 to y=355, change x=730 y=389 to y=395 (trim edge of skin even with the bottom flange of the spar tip 6W5-1 and the bottom flange of the rear channel 6W7-1) (03/06).
2) Wing tip LE SKIN 6W8-1: table middle of page: Ybottom, change x=0 y=365 to y=355 (03/06).
- 6-W-10** **03/06** AILERON CONTROLS
1) Bottom middle diagram: change 110 to 130mm (position of stop should not interfere with bolts on the rod end to horn 6W2-1) (03/06)
2) Top middle diagram: removed reference to "see diagram S" (03/06)
- 6-K-0** **03/06** STANDARD 12 GALLON LEADING EDGE WING TANKS
1) Spelling corrections: standard, web (03/06)
- 6-K-1** **03/06** LEADING EDGE WING TANKS
1) 6K1-2 REV 2 change width from 120 to 115mm R57.5 (03/06)
2) Bottom right diagram: cutout in bottom skin, change R40 to R37.5, change 90 to 95mm
3) Right middle diagram: location of hole between nose ribs 2 and 3: deleted 20mm, positioned 33mm from rivet line NR2 to inboard edge of hole. 35mm from spar rivet line to aft of hole. (03/06)
4) 6K1-1 Weld threaded flange M142 inside tank (instead of on top of tank) (03/06)
- 6-K-2** **08/05** CENTER CONSOLE/ FUEL FLOW DIAGRAMS/ GASCOLATOR

- 6-B-0** **08/05** FUSELAGE EXPLODED VIEW
6-B-1 **08/05** FUSELAGE BOTTOM SKIN H.T. FRAMES
6-B-2 **08/05** REAR BOTTOM LONGERONS
- 6-B-3** **03/06** REAR SIDE SKINS
1) Bottom left diagram: added "or equivalent" for nutplates. (03/06)
- 6-B-4** **03/06** REAR FUSELAGE RIVETING
1) Bottom left diagram: added cable outlet fairlead to rivets through longerons (03/06)
2) Top right diagram: added L angle forward of the cable fairlead (03/06)
- 6-B-5** **08/05** REAR FUSELAGE ASSEMBLY
- 6-B-6** **03/06** FIREWALL & STIFFENER
1) Text bottom right of page: AN6-7A bolts Added text "Ref. Engine mount 6-JE-1 and 6-CE-1" (03/06)
2) Bottom right diagram: deleted 13 degrees for bottom engine mount fitting 6B6-5 (05/06) 6B6-5 lower engine mount fitting: angle of front flange was shown correctly in previous edition: added 80 degrees; angle between front flange and bottom (05/06)
- 6-B-7** **03/06** FIREWALL RIVETING
1) top left diagram: replace text "see 6E3-2" with "see 6-JE-1" (03/06)
2) Rivet lines through 6B7-2, moved edge distance from top right diagram to top left diagram: 10mm edge distance from top edge of L angle and 10mm edge distance from bottom edge of firewall top stiffener 6B7-1 (Engine mount holes in line with rivet line). (03/06)
3) 6B7-1 added R1/4 for bend radius (03/06)
- 6-B-8** **03/06** NOSE GEAR UPPER BEARING
1) 6B7-3 installed on the top side of the firewall top stiffener (to avoid interference with 0200 engine mount)(03/06)
2) top right diagram: top view: 4 rivets instead of 3 rivets in L angle (03/04)
- 6-B-9** **03/06** RUDDER PEDALS
1) 6B9-3 Rev. 1, changed dl from 152 to dl=148mm (03/06)
2) Added bend radius = R1/4", deleted tooling hole at 45 and 30mm (03/06)
- 6-B-10** **08/05** FRONT FLOOR SKIN
6-B-11 **08/05** UPPER FRONT LONGERONS
- 6-B-12** **03/06** FUSELAGE BULKHEADS
1) Missing dimensions on bulkheads 6B12-1 and 6B12-3 (03/06)
2) 6B12-2 Rev. 1 (10/05)
3) top left diagram: location of 6B12-1 (middle bulkhead) at 650mm from 6B12-3 (aft bulkhead) instead of 657mm (10/05)
- 6-B-13** **08/05** WING JIG
6-B-14 **03/05** JOINING FUSELAGE ASSEMBLIES
6-B-15 **07/05** FORWARD FUSELAGE STIFFENERS
- 6-B-16** **03/06** SEAT BACK SUPPORT
1) Bottom right diagram, detail of left side.

2) Cross section B-B, deleted 35mm (duplicate dimension from top right diagram on drawing 6-B-16), (03/06)

6-B-17 08/05 CONTROL STICK

6-B-18 08/05 ARM REST / SEAT BELT

6-B-19 08/05 FLAP CONTROLS

6-B-20 04/05 AIR VENT / FLAP CIRCUIT

6-B-21 03/06 FUSELAGE TOP SKIN

1) 6B21-6 rear top skin: replaced skin dimension under part description 1350x1220 with a trapezoid diagram, distance across front = 1120, rear=530, length = 1370 (03/06)

6-B-22 02/05 CABLE FAIRLEADS

6-B-23 02/05 CONTROL CABLE ENDS

6-C-1 10/05 CANOPY HINGE

1) 6C1-1 Rev. 3, change 74 to 76, 30deg to 37 degrees, dl=112 to dl=123 (10/05)

6-C-2 07/05 CANOPY SIDES

6-C-3 07/05 CANOPY FRAME

6-C-4 03/06 CANOPY RELEASE

1) Added gusset 6C3-9 (03/06)

6-G-1 03/06 NOSE GEAR STRUT ASSEMBLY

1) 6G1-5 fork doubler, change 160 to 150mm (to fit over the wheel fork 6G1-2) (03/06)

6-G-2 08/05 NOSE GEAR BEARING

6-G-3 08/05 MAIN SPRING GEAR

6-S-3 03/06 WING ATTACHMENT, FLAP TEMPLATE

1) Bottom left diagram: spelling correction to "SWITCH" (03/06)

6-S-4 08/05 INSTALLATION OF STABILIZER

6-S-5 08/05 RUDDER ATTACHMENT

OPTIONS

6-ATO-1 07/05 XL AILERON TRIM TAB OPTION

6-LLO-1 03/06 LANDING / TAXI LIGHT OPTION

1) bottom of page, spelling correction. (03/06)

6-NSO-1 01/06 NAV/STROBE LIGHT OPTION

1) Rudder tail light position, changed 35 to 50mm, top right diagram: change 60 to 75mm (to avoid interference with second rib) (03/06)

6-WFO-1 11/04 WHEEL FAIRING OPTION

6-WLO-1 03/06 WING LOCKER OPTION

1) Text bottom right: spelling correction

2) bottom right diagram: redrew flanged lightening holes (direction of flanged lightening holes) (03/06) note: Except for RR#4 the rib flanges point outboard.

6-PH-1 01/04 PIANO HINGED AILERON OPTION

POWERPLANT

6-JE -1 12/04 JABIRU 3300 ENGINE MOUNT

6-CE-1 08/05 CONTINENTAL 0-200

6-YE-1 03/06 LYCOMING 0-235 CONICAL ENGINE MOUNT

1) deleted note at the bottom of the page: AN6-23A (03/06)

6-YE-2 03/06 LYCOMING 0-235 CONICAL ENGINE MOUNT

1) Note at bottom of page: change AN6-23A to AN6-22A (03/06)

2) Rubber bushing: added part number VIP-5040-2-5 from Pacific Moulded Technology (03/06)

OPTIONS AVAILABLE SEPARATELY

DUAL STICK OPTION

6-DS-1 08/05 DUAL STICK CONFIGURATION: MODIFIED TORQUE TUBE

6-DS-2 04/04 DUAL STICK CONFIGURATION: CONTROL CONNECTION

6-DS-3 08/05 DUAL STICK CONFIGURATION: CONTROL COLUMNS

TAIL DRAGGER OPTION

6-TD-1 10/04 TAIL DRAGGER CONFIGURATION: TAIL SPRING PICK UP.

6-TD-2 08/05 TAIL DRAGGER CONFIGURATION: LOWER FRONT LONGERONS

6-TD-3 04/04 TAIL DRAGGER CONFIGURATION: GEAR UPRIGHTS

6-TE-1 08/05 ELEVATOR TRAILING EDGE TRIM TAB

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