

ZODIAC CH 650:**Summary of changes from the Zodiac CH 601 XL (4th edition, 1/2008 drawings)**

General		Notes
6-X-0	CURRENT DRAWING LIST	1 st edition, August 2008 drawings.
6-X-1 08/08	THREE VIEW	

Tail

6-T-0 08/08	TAIL EXPLODED VIEW	<i>Rudder was redesigned to be more streamlined ("swept back")</i>
6-T-1 08/08	STABILIZER AIRFOIL	
6-T-2 08/08	STABILIZER ATTACHMENTS	
6-T-3 08/08	ELEVATOR	
6-T-4 08/08	VERTICAL TAIL RIBS & SPAR	
65T4-1/0	NOSE RIB	<i>Nose rib lengthened.</i>
65T4-2/0	Tip Rib	<i>Tip Rib made from fiberglass and given a more streamlined shape.</i>
65T4-6/0	Rear Rib #1	<i>Bend angles changed.</i>
65T4-7/0	Rear Rib #2	<i>Flange angle changed.</i>
6-T-5 08/08	VERTICAL TAIL SKELETON	
65T5-1/0	Leading Edge	<i>Leading Edge Skin increased in size.</i>
65T5-2/0	Trailing Edge	<i>Trailing edge skin shape redefined.</i>
65T5-4/0	Fairing	<i>Fairing shape redefined.</i>
65T5-5/0	Trailing Edge Stiffener	<i>Trailing Edge Stiffener added.</i>
6-T-6 08/08	RECESSED ELEVATOR TRIM TAB	

Wing

6-W-0 08/08	EXPLODED VIEW	<i>Wing incidence angle changed to provide better forward visibility. (European Zodiac has had this incidence angle for many years.)</i>
6-W-00 08/08	RIGHT WING ASSEMBLY	
6-W-1 08/08	FLAPS	
6-W-2 08/08	AILERONS	
65W2-5/0	Aileron Rib #2 Gusset	<i>Gusset added to reduce possible buckling when tied down in wind gusts.</i>
65W2-6/0	Aileron Rib #1 Gusset	<i>Gusset added to reduce possible buckling when tied down in wind gusts.</i>
6-W-3 08/08	OUTBOARD WING SPAR ASSEMBLY	
6-W-4 08/08	CENTER WING SPAR	
6-W-5 08/06	SPAR TIP / NOSE RIBS	
6-W-6 08/06	REAR RIBS	
6-W-7 08/08	REAR CHANNEL	
6-W-8 08/08	WING SKELETON AND SKINS	<i>L angles added between ribs on top skin. Minimizes skin deformation when aircraft is in the sun and provides a nicer finish.</i>
6-W-9 08/08	TIEDOWN RING / COVERS	
65W9-5/1	Fiberglass Wing Tip	<i>One piece fiberglass wing tip provides a nicer look and is easier to install.</i>
6-W-10 08/08	AILERON CONTROL	

Fuel system

6-K-1	08/08	STANDARD LE WING TANKS	
6-K-2	08/08	THREE WAY SELECTOR VALVE	
	65K2-1/0	Angle	<i>The angles make it easier to install the side fairings and are lighter weight.</i>

Fuselage Body

6-B-0	08/08	FUSELAGE EXPLODED VIEW	
6-B-1	08/08	FUSELAGE BOTTOM SKIN	
6-B-2	08/08	REAR BOTTOM LONGERONS	
	65B2-7/0	Upper Rudder Hinge	<i>New upper hinge for the new rudder.</i>
6-B-3	08/08	REAR SIDE SKINS	
6-B-4	08/08	REAR FUSELAGE RIVETING	
6-B-5	08/08	REAR FRAME ASSEMBLY	
	65B5-4/0	Attach Plate	<i>Geometry and thickness changed to accommodate change in wing incidence angle.</i>
6-B-6	08/08	FIREWALL & STIFFENER	
6-B-7	08/08	FIREWALL RIVETING	
6-B-8	08/08	NOSE GEAR UPPER BEARING	
6-B-9	08/08	RUDDER PEDALS	
6-B-10	08/08	FRONT FLOOR SKIN	
6-B-11	08/08	UPPER FRONT LONGERONS	
	65B11-2/0	Forward Side Skin	<i>Geometry changed to accommodate the change in the wing incidence angle.</i>
6-B-12	08/08	FUSELAGE BULKHEADS	
	65B12-2/0	Baggage Back Bulkhead	<i>The Baggage Bulkhead was moved forward to provide support to the new canopy system.</i>
6-B-13	08/08	WING JIG	
	65B13-1/0	Front Wing Upright	<i>Geometry changed to accommodate the change in the wing incidence angle.</i>
	65B13-1/0	Rear Wing Upright	<i>Geometry changed to accommodate the change in the wing incidence angle.</i>
6-B-14	08/08	JOINING FUSELAGE ASSEMBLIES	
6-B-15	08/08	FORWARD FUSELAGE STIFFENERS	
6-B-16	08/08	SEAT BACK SUPPORT	
	65B16-1/0	Baggage Floor	<i>Baggage Floor geometry changed for new canopy system.</i>
	65B16-3/0	Seat Back Side Angle	<i>New angle makes installing the latch bearing easier for the New Canopy system.</i>
	65-B-16-4/0	Upper Fuselage Longeron Doubler	<i>Larger Upper Fuselage Longeron Doubler makes it easier to install upholstery and hide wires.</i>
6-B-17	08/08	CONTROL STICK	
6-B-18	08/08	ARM REST / SEAT BOTTOM	
6-B-19	08/08	FLAP CONTROL	
6-B-20	08/08	AIR SCOOP CABIN FRESH AIR	
6-B-21	08/08	FUSELAGE TOP SKIN	
	65B21-1/0	Rear Top Skin	<i>The Rear Top Skin geometry changed to accommodate the new Canopy System.</i>
6-B-22	08/08	CABLE FAIRLEADS	
6-B-23	08/08	CONTROL CABLE ENDS	
6-B-24	08/08	ELEVATOR CABLE FAIRLEADS	

Canopy

6-C-0	08/08	CANOPY	<i>New Canopy system to provide better visibility and head room. The latching system has been moved to the fuselage to make the canopy lighter and easier to open.</i>
6-C-1	08/08	CANOPY HINGE	
	65C1-1/0	Panel Side Angle	<i>Canopy side angle geometry changed for new canopy system.</i>
	65C1-4/0	Forward Top Skin	<i>Geometry changed to accommodate new canopy system.</i>
6-C-2	08/08	CANOPY SIDE FRAMES	
	65C2-2/0	Bottom Bracket	<i>Geometry changed for new canopy system.</i>
	65C2-3/0	Panel Side Frame	<i>Geometry changed for new canopy system.</i>
6-C-3	08/08	CANOPY FRAME	
	65C3-3/0	Rear Canopy	<i>New canopy system has a larger canopy, the rear half is fixed over the baggage compartment.</i>
	65C3-4/0	Front Canopy	<i>New larger canopy, the forward half tilts forward to enter the cabin.</i>
	65C3-5/0	Rear Top Skin Doubler	<i>New part for the new canopy system.</i>
	65C3-7/0	Rear Canopy Gusset	<i>New part for the new canopy system.</i>
	65C3-9/0	Rear Canopy Skin	<i>New part for the new canopy system.</i>
	65C3-10/0	Roll Over Protection	<i>New part for the new canopy system.</i>
	65C3-11/0	Front Canopy Strip	<i>New part for the new canopy system.</i>
	65C3-12/0	Front Canopy Frame Gusset	<i>New part for the new canopy system.</i>
	65C3-13/0	Front Canopy Gusset	<i>New part for the new canopy system.</i>
6-C-4	08/08	CANOPY RELEASE	
	65C4-1/0	Canopy Latch	<i>New part for the new canopy latching system.</i>
	65C4-2/0	Extrusion Latch Hinge	<i>New part for the new canopy latching system.</i>
	65C4-3/0	Rod Bearing Right	<i>New part for the new canopy latching system.</i>
	65C4-4/0	Rod Bearing Left	<i>New part for the new canopy latching system.</i>
6-C-5	08/08	CANOPY LATCH	
	65C5-1/0	Middle Canopy Lock Tube	<i>New part for the new canopy latching system.</i>
	65-C-5-2/0	O/B Tube Right	<i>New part for the new canopy latching system.</i>
	65C5-3/0	O/B Tube Left	<i>New part for the new canopy latching system.</i>
	65C5-4/0	Arm	<i>New part for the new canopy latching system.</i>
	65C5-5/0	Handle	<i>New part for the new canopy latching system.</i>
6-C-6	08/08	CANOPY DETAILS	

Gear

6-G-1	08/08	NOSE GEAR STRUT ASSEMBLY	
6-G-2	08/08	NOSE GEAR BEARING	
6-G-3	08/08	MAIN GEAR SPRING	

Final assembly

6-S-3	08/08	WING ATTACHMENT	
6-S-4	08/08	STABILIZER ATTACHMENT	
6-S-5	08/08	RUDDER ATTACHMENT	

Options

6-ATO-1	08/08	AILERON TRIM TAB OPTION	
6-LLO-1	08/08	LANDING / TAXI LIGHT OPTION	
6-NSO-1	08/08	NAV / STROBE LIGHT OPTION	
6-WFO-1	08/08	WHEEL FAIRINGS OPTION	
6-WLO-1	08/08	WING LOCKER OPTION	
6-PH-1	08/08	PIANO HINGED AILERONS	
6-LRO-1	08/08	LONG RANGE TANK OPTION	
6-DS-1	08/08	DUAL STICK: CONTROL CONNECTION	
	65DS1-2/1	Arm Rest Cover	<i>Improved appearance in center console area.</i>
	65DS1-3/0	H.T. Bellcrank	<i>Change in part geometry to better align elevator cables.</i>
	65DS1-6/0	Center Console	<i>Improved appearance in center console area.</i>
6-DS-2	08/08	DUAL STICK: MODIFIED TORQUE TUBE	
6-DS-3	08/08	DUAL STICK: CONTROL COLUMN	
6-TD-1	08/08	TAIL SPING PICK UP	
6-TD-2	08/08	LOWER FRONT LONGERONS	
6-TD-3	08/08	GEAR UPRIGHTS	
6-TE-1	08/08	ELEVATOR TRAILING EDGE TRIM TAB	

Powerplant

6-JE-1	08/08	3300 JABIRU ENGINE MOUNT	
6-CE-1	08/08	CONTINENTAL O-200 ENGINE MOUNT	
6-YE-1	08/08	LYCOMING 0235 CONICAL MOUNT	
6-YE-2	08/08	LYCOMING O-235 DYNAFOCAL MOUNT	
6-TE-1	08/08	ELEVATOR TRAILING EDGE TRIM TAB	

END