

REVISIONS to STOL CH 701 4th edition, Seventh printing 04/2002
8th printing of 4th edition: November 11, 2002

November 11, 2002 DRAWING LIST 7-G-0

AIRFRAME

- 7-G-0** DRAWING LIST (see date top left of this document)
1) New page (07/2002)
- 7-G-1** **07/02** THREE VIEW
1) Delete drawing edition, serial number, address (07/2002)
2) Wing spar, change 8.23m to 8.2m (27.0' to 27') (07/2002)
- 7-G-2** **10/02** L ANGLES & Z ANGLES
1) Delete important notice (07/2002)
2) C, replace 6th printing with "introduced 02/2002", delete line number and description for summary of SP parts. Added 7R2-1A (07/2002)
3) Added part number description, Ref to drawing updates and revision numbers. (07/2002)
4) Add title to top diagram: "DESIGN HISTORY CH 701 since 1986", deleted list of drawing sections. (10/2002)
5) Add L angles and Z angles to bottom of page(10/2002)
- 7-G-3** **08/02** GENERAL SPECIFICATIONS
1) middle diagram: change 50mm (20 inches) to 500mm (20 inches) 08/02
- 7-V-0** **10/02** WING EXPLODED VIEW
1) 7-V-0 delete part number description (07/02)
2) Removed Tank Access Cover from Exploded view (10/02)
- 7-V-1** **10/02** WING RIBS
1) L angles, change flanges from 20x20mm to 19x19mm change dl from 38mm to 36mm (10/02)
2) L angles, change length from 219mm to 1219mm (10/02)
3) New page layout, add shading to form blocks . Moved the L & Z angles to drawing 7-G-2 (10/02)
- 7-V-2** **12/01** WING SPAR WEB
- 7-V-3** **11/02** WING SPAR TIP
1) middle diagram, top row of rivets in 7V3-2SP, change 10xA4 to 10 RIVETS A5 (06/02)
2) riveting Double to spar, rivet line at station 300 is through the doubler 7V3-2SP and the Rib Channel 7V11-4K, 4 rivets A5, (table: rivets in 7V3-2SP change 22 rivets A5 to 18 rivets A5) (11/02)
- 7-V-4** **10/02** WING ROOT RIBS AND WING PARTS
1) change to page layout, removed dividing lines (10/02)
2) 7V4-1 & 2 spell out FORM BLOCK (10/02)
- 7-V-5** **10/02** WING DETAILS

- 1) change to page layout, removed dividing lines (10/02)
- 7-V-6 05/02 WING SKELETON AND DETAILS**
 1) 7V6-3 change quantity from 5 required to qty=1 (in the kit pick list, an additional length is supplied with the tail section) (05/02)
- 7-V-7 10/02 WING SKINS**
 1) 7V2-2 removed cutout for Optional wing tanks access cover. (10/02)
- 7-V-8 06/02 WING RIVETING AND DETAILS**
 1) 7V8-1SP, diagram, change 7V2-5SP to 7V2-5 (06/02)
- 7-V-9 10/02 WING TIP AND WING ROOT**
 1) 7-V-9 co-ordinates for 7V7-3, z=300 change 334 to 328, Z=400 change 348 to 338 (05/2002)
 2) 7-V-9 bottom right diagram, see 7F19-12D
 3) 7V9-3 change 600 to 400 (10/02)
 4) 7V9-3A flange = 20mm wide (10/02)
- 7-V-10 09/02 WING STRUTS, JURY STRUTS & STRUT INSTALLATION**
 1) 7V10-2SP **Rev. 1** change 12 degrees from vertical to 96 degrees between the upper "U" fitting and the bottom "U" fitting (diagram of left wing), update text at the top of the strut. Change length from 2018 to 2030mm, change tube length from 1986 to 2002mm, (08/02)
 2) 7V10-1SP change length from 2087 to 2090mm, change length of tube from 2055 to 2062 (09/02)
 3) 7V10-3SP, change length front 470 to 445mm, rear 460 to 420, diagonal 720 to 690mm (09/02)
- 7-V-11 10/02 10 GALLON WING TANKS**
 1) 7V11-4K change dl =1297 to 1295 (distances between bends) (05/02)
 3) left bottom diagram: length of L change 210 to 160mm (05/02)
 4) delete Optional Wing Tank Cover 7V11-3K, add new drawing 7-WTA-1 "Wing Tank Access Cover" (10/2002)
- 7-S-0 10/02 SLATS: EXPLODED VIEW (LEFT SIDE)**
 1) Show cutout Z bends of Slat skins 7S1-2 & 3 (10/02)
- 7-A-1 10/02 FLAPERON RIBS, SPAR, HINGE BRACKETS**
 1) Spelled out FORM BLOCK for ribs, bottom left text, change Hinge Angle to Hinge Bracket (10/02)
- 7-A-2 12/01 FLAPERONS**
- 7-S-1 10/02 SLATS RIBS / SKINS**
 1) top right diagram: R200 measured from the aft end of the 120mm distance. (08/02)
 2) top diagram: spelled out FORM BLOCK (added shading to form block, outline of rib blank in solid line), spelled out CUT-OUT SLOTS (in bottom flange) 10/02
- 7-S-2 10/02 SLATS TIPS**
 1) bottom right diagram: length of template, change 250 to 500mm (08/02)
 2) middle diagram: 7S1-3 O/B, change 224 to beginning of L angle to 220 to the I/B edge of rib. Overlap, change 24 to 20mm (08/02)

- 3) Delete gap between parts, top & bottom diagram. Delete preposition THE from text. Add circle detail around cutouts in slat skins (10/02)
- 7-H-0 06/01 HORIZONTAL TAIL: EXPLODED VIEW**
- 7-H-1 10/02 HORIZONTAL TAIL RIBS + OPTION ELECT. ELEV. TRIM TAB**
 1) 7-H-1 Cover plate ETO-3 change 95x95mm to 110x110mm (07/02)
 2) Removed trim tab option to new page 7-ETO-1 (07/02)
 3) Separated the Nose and rear form block along line AA (10/02)
 4) 7H1-1 change 250 to 245 (end of rib to line AA) 10/02
- 7-H-2 11/02 HORIZONTAL TAIL BENT PARTS**
 1) Text at bottom right of page: change 7V1-3 to 7V1-2 add clarification note at top of text: "note for scratch builders only:" (11/02)
 2) 7H2-2 location of the first rivet , change 220 to 240 , (11/02)
- 7-H-3 10/02 HORIZONTAL TAIL HINGES AND ATTACHMENT DETAILS**
 1) top 2 diagram: adjusted scale, line up the center line of the front and rear spar. (10/02)
- 7-H-4 08/02 HORIZONTAL TAIL SKELETON, SKINS AND RIVETRING DETAILS**
 1) 7H4-2 correction to description, change "stabilizer skin" to ELEVATOR SKIN (08/02)
 2) 7H2-4, middle of diagram, change "2 X 2 A4 in each flange" to 2 RIVETS A4 IN EACH FLANGE" delete "at each end of channel" (11/02)
 3) 7h1-2 middle of diagram: change "2 X 3 A4" to "3 RIVETS A4 IN EACH FLANGE" 11/02
- 7-H-5 10/02 ELEVATOR HORNS & STABILIZER CENTER HINGE BRACKET**
 1) 7H5-2 middle diagram, replace text "cutout for stick forward elevator stop" with "Later; file to adjust down elevator stop"
- 7-R-0 11/02 701 RUDDER ASSEMBLY**
 1) new drawing number, changed 7-RW to 7-R-0 (11/02)
- 7-R-1 07/02 VERTICAL TAIL RIBS**
 1) The dimensions for the ribs are for the form blocks (07/02)
- 7-R-2 10/02 RUDDER PARTS AND SKELETON**
 1) 7R2-4 REV 1 change length 91 to 95, edge distance from 8 to 10mm (10/02)
- 7-R-3 10/02 RUDDER SKIN AND HINGE DETAILS**
 1) middle diagram: trim the bottom edge of the Nose Skin 7R3-2, 20mm below the rivet line for the nose rib (instead of 40mm) 07/02
 2) Trimming the bottom edge of the nose skin 7R3-2, radius the aft portion on 120mm instead of straight across (07/02)
 3) 7-R-3 bottom left diagram: bushing, change 7mm to 8mm (05/02)
 4) Add bushing detail: "locknut AN365-1032 clamps bushing between extrusion or hinge plates – (bottom)" 10/2002
- 7-F-00 08/02 EXPLODED VIEW: REAR FUSELAGE**
 1) 7F5-4, part is a channel not a Z (08/02)
- 7-F-0 10/02 EXPLODED VIEW: FRONT FUSELAGE**
 1) part number correction 7F9-6 was listed as 7F12-3 (06/2002)

- 2) Correct part number for 7F10-1, Change L angle to Z angles on Side Skins 7F14-3 (10/02)
- 7-F-1 10/02 FUSELAGE FORMERS**
- 1) Made outline of part black a solid line, form block dimensions, horizontal dim 7F1-1 delete 25, 7F1-2 delete 12mm (left) (10/02)
- 7-F-2 04/02 REAR FUSELAGE SKINS**
- 1) 7F2-2 **REV. 1**, position of the 112mm hole, change 570 to 500mm (07/02)
- 7-F-3 01/02 REAR LONGERONS STIFFENERS**
- 7-F-4 10/02 REAR FUSELAGE DETAILS**
- 1) 7F4-1 **Rev 1**, change 10 degrees to 11 degrees (06/02)
- 2) 7F4-3 **Rev 1**, change 27 degrees to 24 degrees (06/02)
- 3) bottom right diagram, text duplication: change "bend upper" to "bend lower" (06/02)
- 4) bottom right diagram: distance between upper & lower 7F4-3, change 7 to 8mm length of bushing Ref. 7-R-3 (06/02)
- 5) 6F4-2/1 spelled out the number or rivets 14 RIVETS A5 (10/02)
- 6) top right diagram: added text: the Longerons 7F3-1 overlap on the outside of the skins, top & bottom (06/02)
- 7-F-5 10/02 REAR LONGERONS PARTS**
- 1) 4 rivets A5 through Gusset 7F3-3SP top Channel 7F5-3SP, change pitch 20 to pitch 15 (10/02)
- 2) 7F5-6 change dl=92 to dl=95 (10/02)
- 7-F-6 05/02 REAR LONGERONS GENERAL**
- 1) Top left diagram: change 30 degrees to 45 degrees (angle along aft edge of fuselage side skins), Ref top left diagram on 7-C-5 (05/02)
- 2) Bottom right diagram: length of L angle, change 340 to 320 (shown correctly in left diagram) 05/02
- 7-F-7 03/02 FIREWALL DETAILS**
- 7-F-8 11/02 FORWARD FUSELAGE PARTS**
- 1) **7F8-8 changed 25 to 20 (11/02)**
- 7-F-9 10/02 CABIN SIDES ASSEMBLY**
- 1) 7F9-1 rear flange, change 10 to 22mm (10/02)
- 7-F-10 08/02 FORWARD FUSELAGE PARTS**
- 1) top diagram, location of the rudder pedals, change 220 to 210mm (06/02)
- 2) text at top of page, change 7F17-1 to 7F17-1SP. Add "CHECK: the 7F17-1SP is parallel with the bottom of the cabin side", the gear is parallel to the cabin floor, Ref 7V10-2SP (08/02)
- 7-F-11 01/02 SEAT FRONT**
- 7-F-12 06/02 FUSELAGE DETAIL**
- 1) top diagram (top view) change 8F2-2 to 7F2-2 (05/02)

- 2) middle diagram: 7F12-1 to 7F18-1SP, 6 rivets A5 (2 on top, 2 on the bottom, 2 on outside) instead of 3 rivets across the top and bottom (05/02)
- 7-F-13** **10/02** FUSELAGE DETAILS
1) slot in extrusion 7F9-8 change 4.1mm to 4mm (10/02)
- 7-F-14** **03/02** FRONT SIDE & TOP SKIN
1) Top diagram: the cabin sides overlap on top of Front Side Skin 7F14-3 (05/02)
- 7-F-15** **10/02** JOINING THE FUSELAGE SECTIONS
1) Door handle 7F15-4D screwed to exterior handle with screw MS24693-S275 (06/02)
2) 7F15-2 change "left side" to "right side" (10/02)
- 7-F-16** **10/02** SEAT BOTTOM
1) 7F16-1 Add a 10 degree bend 20mm from the aft edge (10/02)
- 7-F-17** **08/02** LANDING GEAR / WING STRUT FITTINGS
1) 7F17-1SP **Rev. 1** replace "steel" with 4130N (07/02)
2) 7F17-2SP **Rev. 2** left middle diagram: change 60 to 50, change 20 to 18 (angle between bend and bottom = 62 degrees), top right diagram: gusset, change 40 to 30, Add 60 degree 08/02
- 7-F-18** **08/02** CABIN FRAME
1) top right diagram: deleted 23.5 degrees and 58.5 degrees (shown incorrectly to the 3 degree line instead of vertical) change 35 degrees to 38 degrees change 48 degrees to 45 Bottom right diagram, angle of side tubes: change 64 degrees to 66 degrees (08/02)
- 7-F-19** **05/02** FORM WINDSHIELD / HINGED UP DOORS
1) 7F19-12D **REV. 1** Door Sill, change part to a U shape riveted to both sides of the Top Tube 7F12-1 with A4 pitch 40. change dl=138 to 180. 7F19-13D piano hinge, change length 600 to 750, piano hinge is riveted to the bottom flange of the Door Sill 7F19-12D, delete 75mm (05/02)
2) 7F19-6 change "all gussets" to "door gussets". Rivets in door gussets: 3 rivets A4 in each tube (05/02) 7-F-19 middle diagram: location of 7F19-4, change 470 to 530mm (05/02)
3) 7F19-10D, Wing spar is on the aft rivet (wing tank is behind the spar), 1 rivet A6 rivet in spar, 1 rivet A5 at front, 7F19-14D, top rivets are through Center Tube 7F19-4 (05/02)
- 7-L-0** **04/02** LANDING GEAR / NOSE GEAR
- 7-L-1** **03/02** NOSE GEAR ASSEMBLY AND STEERING
- 7-L-2** **05/02** MAIN GEAR SPRING AND WHEEL FORK
1) 7L2-1J 6061-T6 (cold bend) change dl="82" to 84". Delete 435mm (05/02)
- 7-C-0** **04/02** CONTROL: ASSEMBLY
- 7-C-1** **04/02** CONTROL SYSTEM PARTS
- 7-C-2** **04/02** PITCH AND AILERON CONTROLS
- 7-C-3** **04/02** FLAPERON CONTROL
- 7-C-4** **03/02** RUDDER AND TOE BRAKE PEDALS
- 7-C-5** **10/02** FAILEADS & STOPS
1) 7C5-7 **REV. 1** New part (correctly shown on 7-C-6) (05/02)
2) 7C5-2 **REV. 1** Cut a slot in fairlead inset of hole (10/02)
3) Fairlead 7C5-2 installed to overlap on the outside of the fuselage side skins (instead of inside). 10/02
4) Top right diagram, change 50 to 45 (center of cutout for cable outlet in fuselage side skin) 10/02

- 7-C-6** **06/02** RUDDER CABLES PULLEY
- 1) 7C6-5 **REV. 1**, missing dl = 120, length = 500, dl=330 (instead of dl=300 at 340mm) bend radius = 3/8" (06/02)
 - 2) bottom middle diagram FIN, delete 340, 60 & 120mm (Trim 7C6-5 to make room for the rudder) New page layout to scale. (06/02)

ENGINE

- 7-E-1** 02/02 ROTAX 912 & 912S ENGINE MOUNT
- 7-E-2** 02/02 ROTAX 912 & 912S DYNAFOCAL ENGINE MOUNT BRACKETS
- 7-E-3** **10/02** ROTAX OIL TANK BRACKETS
- 1) location of tank, change 140mm to 165mm, bracket 2R, firewall mounting flange on are on the inside (10/02)
- 7-E-4** **09/02** PITOT TUBE ASSEMBLY & GASCOLATOR / SHUT-OFF VALVE
- 1) 7-E-4, bottom right diagram: fuel shut off valve, change part number from F5120-B to F5103-B, change F126-4B to F125-4B (05/2002)
 - 2) 6E4-1 attached with 4 rivets A4 (06/02)
 - 3) Fittings, change F126-4B to F125-4B, change F5129-B to 5103-B (06/02)
 - 4) Bottom right diagram: Grommet change AN931-10-14 to AN931-8-13, Added nylon Cable clamps 561-C0500 to hold the fuel hose (09/02)
- 7-E-5** **10/02** DUAL THROTTLE / CHOKE
- 1) Bottom right diagram: moved Friction Clamp 7E5-5 from the left side to the right side, close to the throttle cables. Redraw the ends of 7F7-1SP, 10/02

OPTIONS

- 7-ETO-1** **07/02** ELECTRIC TRIM TAB OPTION
- 1) New page number, previously on 7-V-12 (07/02)
- 7-NS0-1** **07/02** NAV/STROBE LIGHT OPTION
- 1) New page number, previously 7-V-12 (07/02)
- 7-WTO-1 10/2002 WING TANK ACCESS COVER
New drawing, part previously shown on 7-V-0, 7-V-7, 7-V-11 (10/02)
- 7-WTO-1 09/2002 AUXILIARY WING TANK
new drawing (09/02)
- 7-WTO-2 09/2002 AUXILIARY FUEL SYSTEM
New drawing (09/02)

- end -