

STOL CH 701 Revisions: List of changes made to 5th edition, 5th revision.

AIRFRAME

7-G-0 June 30, 2005 DRAWING LIST

7-G-1 06/05 THREE VIEW

- 1) Fifth revision 06/2005 (5th edition) 06/2005

7-G-2 09/03 PART NUMBER EXAMPLE, L ANGLES & Z ANGLES

7-G-3 04/03 GENERAL SPECIFICATIONS

7-V-0 03/03 WING EXPLODED VIEW

7-V-1 06/05 WING RIBS

- 1) length of rib, change 810 to 806 change Yu from 41.7 to 42.8 and Yl from 37.8 to 37.3 (02/05)
- 2) 7V1-1 location of bottom crimp on nose rib: replaced the two crimps from 155 and 197 to one crimp at 180mm (06/05)

7-V-2 03/05 WING SPAR WEB

- 1) Text in box right diagram: changed "see 6-V-8" to "see 7-V-8" (02/05)
- 2) L angle in boxed diagram, 8mm is the edge distance from the spar rivet line (9.5mm) to the end of the L angle (03/05)

7-V-3 11/04 WING SPAR TIP

7-V-4 03/04 WING ROOT RIBS AND WING PARTS

7-V-5 01/05 WING DETAILS

- 1) middle diagram text under slat support: position template, change "on rear ribs #1 and #3" to "on rear ribs #1 and #4" 01/05

7-V-6 06/05 WING SKELETON AND DETAILS

- 1) Left middle diagram, bottom right diagrams : part number correction, changed 7V6-2 to 7V6-2SP (three places), bottom right diagram changed 6V6-1 to 7V6-1 (06/05)

7-V-7 01/05 WING SKINS

- 1) skin, show end of wing tip with solid line, use hidden lines to represent the full sheet before trimming, similar root end of 7V7-1. (01/05)

7-V-8 06/05 WING RIVETING AND DETAILS

- 1) Bottom left diagram: tie down ring, added: OPTION (06/05)

7-V-9 06/05 WING TIP AND WING ROOT

- 1) 7V9-3 bent crease = 20mm, change XR=REAR TO XR=ROOT (06/05)

7-V-10 06/05 WING STRUTS, JURY STRUTS & STRUT INSTALLATION

- 1) New two piece wing struts 7V10-1A and 7V10-1SP and 7V10-2SP
- 2) 7V10-1A bottom struts (opening in U fitting = 1/8", qty=2) length of tube 2040 (cut front bottom strut to fit) (02/05)
- 3) 7V10-1SP Front top struts. Changed diameter to 1.25" x 058" wall length of tube = 150mm (02/05)
- 4) 7V10-2SP Rear Top struts. Changed diameter to 1.25" x 058" wall length of tube = 150mm (02/05)
- 5) Strut overlap = 100mm, 3 bolts AN3-15A in each assembly (03/05)
- 6) Left middle diagram: change 1200 to 1250mm from the bottom bolt (location of jury struts on wing struts). (06/05)

- 7-V-11 11/04 10 GALLON WING TANKS**
- 7-S-0 06/05 SLATS: EXPLODED VIEW (LEFT SIDE)**
 1) Top diagram SCRATCH BUILDER ONLY (bending the skins) (06/05)
- 7-A-1 01/04 FLAPERON RIBS, SPAR, HINGE BRACKETS**
- 7-A-2 04/04 FLAPERONS**
- 7-S-1 02/05 SLATS RIBS / SKINS**
 1) 7S1-1 Added more coordinates to plot rib form block:
 x10=y72.5, 30=79, 40=79.5, 60=78.5, 90=73.5, 120=65.5, 150=54, 180=38.5
 center of radius R42: change y=36 to y=35. center of radius R200 changed x=120 to
 x=117 (02/05)
- 7-S-2 06/05 SLATS TIPS**
 1) Middle diagram: added fiberglass tip 7S2-1 on inboard end of slat (06/05)
- 7-H-0 11/04 HORIZONTAL TAIL: EXPLODED VIEW**
- 7-H-1 02/05 HORIZONTAL TAIL RIBS**
 1) 7H1-5 Added more coordinates to make form block
 x0 yu46 yl46, x20 yu48.3 yl47, x40 yu49.3 yl45.5, x60 yu48 yl41.5, x80 yu43.8 yl34.5,
 x93 yu38.5 yl27, x100 yu34.2 yl21.7,x105 yu30.4yl17, x110 yu25.4 yl11, x113 yu21.3
 yl6, x115.6 yu16 yl0 (02/05)
 2) 7H1-5 removed box around 170, 7H1-1 removed box around 245 (02/05)
- 7-H-2 11/04 HORIZONTAL TAIL BENT PARTS**
- 7-H-3 06/05 HORIZONTAL TAIL HINGES AND ATTACHMENT DETAILS**
 1) 7H3-3SP add up arrow by the 50mm dimension (05/05)
 2) 7H3-2 drilled hole, changed 1/16" to 5/64" (06/05)
- 7-H-4 06/05 HORIZONTAL TAIL SKELETON, SKINS AND RIVETRING DETAILS**
 1) Text in box middle right, deleted rib riveting info (3 rivet A4) (02/05)
 2) Bottom middle diagram: added 7H1-1 above 7H1-3 and 7H1-4 (4 rivets A4) (02/5)
 3) Middle diagram: Bottom 465 to leading edge (elevator). (06/05)
- 7-H-5 09/04 ELEVATOR HORNS & STABILIZER CENTER HINGE BRACKET**
 1) Bottom left diagram (second up from bottom) Added dimension from aft face of 7F2-7
 to aft end of center hinge gusset 7H5-4 = 98mm
- 7-R-0 06/05 701 RUDDER ASSEMBLY**
 1) redrew doubler 7R2-2, shorten portion above nose rib. (06/05)
- 7-R-1 02/05 VERTICAL TAIL RIBS**
 1) 7R1-5 added new coordinate at front of rib, from center of R11 y=13 (02/2005)
 2) 7R1-1 changed 100 to 93mm (02/2005)
- 7-R-2 08/04 RUDDER PARTS AND SKELETON**
- 7-R-3 06/05 RUDDER SKIN AND HINGE DETAILS**
 1) middle diagram: re-drew upper spar fairing 7R3-3 to overlaps on top of rear skin
 (06/05)
- 7-F-00 09/03 EXPLODED VIEW: REAR FUSELAGE**
- 7-F-0 11/04 EXPLODED VIEW: FRONT FUSELAGE**
- 7-F-1 11/04 FUSELAGE FORMERS**

- 7-F-2 09/03 REAR FUSELAGE SKINS**
 1) 7F2-4 Added side view diagram to show depth, 25mm for diamond bends.
- 7-F-3 11/04 REAR LONGERONS STIFFENERS**
- 7-F-4 06/05 REAR FUSELAGE DETAILS**
 1) 7F4-3 length under description, changed l=50 to l=45 (06/05)
- 7-F-5 10/04 REAR LONGERONS PARTS**
- 7-F-6 06/05 REAR LONGERONS GENERAL**
 1) middle diagram: 2 rivets A4 at 15mm edge distance to 1-1/8" hole in bearing 7F6-2 (06/05)
- 7-F-7 09/03 FIREWALL DETAILS**
- 7-F-8 06/05 FORWARD FUSELAGE PARTS**
 1) bottom right diagram: section B-B, rivet line through side skin 7F2-2 and channel 7F5-4, deleted P. Rivet line is shown on drawing 7-F-6 top right as A5 pitch 40 7F5-4 (06/05)
 2) 7F8-7 re-drew skin to scale (06/05)
- 7-F-9 11/04 CABIN SIDES ASSEMBLY**
 1) Bottom left diagram: changed 432 to 435 (to ref. line A-A).
- 7-F-10 06/05 FORWARD FUSELAGE PARTS**
 1) Redrew 7F9-7 front stiffener (06/05)
- 7-F-11 06/05 SEAT FRONT**
 1) 7F11-1 L angle at 200 from center line, 4 RIVETS A4 into 7F11-1 (06/05)
- 7-F-12 11/04 FUSELAGE DETAIL**
- 7-F-13 03/04 FUSELAGE DETAILS**
- 7-F-14 02/05 FRONT SIDES & TOP SKIN**
 1) 7F14-2 added dimension for width of skin along front, 890mm (02/05)
 2) Middle diagram, part number correction, changed 7F14-2 to 7F14-3 (02/05)
 3) top left diagram: moved bottom edge of front top skin 7F14-4 up approximately 10mm from the bottom edge of the instrument panel (02/05)
- 7-F-15 03/04 JOINING THE FUSELAGE SECTIONS**
- 7-F-16 04/03 SEAT BOTTOM**
- 7-F-17 11/04 LANDING GEAR / WING STRUT FITTINGS**
- 7-F-18 04/04 CABIN FRAME**
- 7-F-19 11/04 FORM WINDSHIELD / HINGED UP DOORS**
- 7-L-0 11/04 LANDING GEAR / NOSE GEAR**
- 7-L-1 04/04 NOSE GEAR ASSEMBLY AND STEERING**
- 7-L-2 11/04 MAIN GEAR SPRING AND WHEEL FORK**
 1) 7L2-1J showed radius edge on gear outboard of gear attachment.
 2) 7L2-2A Added slots in 1/4" top rubber

7-C-0 11/04 CONTROL ASSEMBLY
7-C-1 11/04 CONTROL SYSTEM PARTS
7-C-2 11/04 PITCH AND AILERON CONTROLS

7-C-3 06/05 FLAPERON CONTROL
1) 7C3-3 added horizontal distance for diagonal side, x=160mm, height of at front y=15mm (06/05)
2) bottom right diagram L = 180 added: see 7-F-11 (06/05)

7-C-4 02/05 RUDDER AND TOE BRAKE PEDALS
1) 7C4-1 changed width from 12.7 to 13.2mm (02/05)
2) 7C4-1J distance between 1/8" wire rings, change 1/2" to 13.9mm (02/05)

7-C-5 06/05 FAIRLEADS & STOPS
1) 7C5-3 distance between two bends at front = 4mm (06/05)

7-C-6 06/02 RUDDER CABLES PULLEY

ENGINE

7-E-1 04/04 ROTAX 912 & 912S ENGINE MOUNT
7-E-2 02/03 ROTAX 912 & 912S DYNAFOCAL ENGINE MOUNT BRACKETS
7-E-3 04/03 ROTAX OIL TANK BRACKETS
7-E-4 04/03 PITOT TUBE ASSEMBLY & GASCOLATOR / SHUT-OFF VALVE

7-E-5 06/05 DUAL THROTTLE / CHOKE
1) 6E5-6 length under description, changed 38 to 35mm (06/05)

OPTIONS

7-ETO-1 02/05 ELECTRIC TRIM TAB OPTION
1) new page layout (02/05)
2) Add grommet AN931-4-7 in middle of rib 7H1-6 for trim tab wire (02/05)

7-NS0-1 04/03 - NAV/STROBE LIGHT OPTION
7-WTO-1 11/04 - AUXILIARY WING TANK
7-WTO-2 04/03 - AUXILIARY FUEL SYSTEM

- end revisions -