

STOL CH 701 DRAWING REVISIONS:
List of revisions made to 5th edition 5th revision.
These revisions are included in 5th edition 6th revision 2006.

AIRFRAME:

7-G-0 April 18, 2006 **DRAWING LIST**

7-G-1 **04/06 THREE VIEW**

- 1) 5th edition 6th edition, 04/2006

7-G-2 **04/06 PART NUMBER EXAMPLE, L ANGLES & Z ANGLES**

- 1) Added note in bottom right corner: unless specified, distances measured in millimeters (mm) (04/06)

7-G-3 **04/03 GENERAL SPECIFICATIONS**

7-V-0 **04/06 WING EXPLODED VIEW**

- 1) Added hole for filler cap (fuel tank) in top skin 7V7-2 (04/06)

7-V-1 **04/06 WING RIBS**

- 1) 7V1-2 rear rib blank, added tooling hole 164mm aft of F65 lightening hole (vertical dimension: centered on rib (also added to top diagram).
- 2) 7V1-1 nose rib, revision to coordinates (table): x=30 changed y from 207 to 206.1, x=90 changed y=197 to y=197.5, x=120 changed y=187.5 to 188.3, x=150 changed y=173 to y=172, x=175 changed y=154 to y=153, x=200 changed y=126 to y=125 (04/06)

7-V-2 **04/06 WING SPAR WEB**

- 1) 7V2-6SP Rev. 1, top left corner, deleted 21 and 40, made corner 90 degrees rivet line along left edge, 7 rivets AN470AD4-4 added (or 13 RIVETS A5 PITCH 21), rivet edge, single rivet 1 RIVET AN470AD4-4 added (or 1 RIVET A5) 01/06
- 2) Notations: changed STA. to STN (station) four place in box, bottom middle diagram STN 180 (04/06)

7-V-3 **04/06 WING SPAR TIP**

- 1) top rivet line in the spar root double 7V3-2SP, changed from pitch 26 to pitch 25, ref. middle diagram. (04/06)
- 2) Spar tip 7V3-3 changed 5 rivets to 6 rivets A4 pitch 38 (04/06)

7-V-4 **04/06 WING ROOT RIBS AND WING PARTS**

- 1) 7V4-7 Rev. 1 changed 80 and 80 to 82 and 82, top middle radius from R17 to R16, vertical center from 51 to 48 horizontal center from 130 to 134, bottom radius change R17 to R20, aft top radius change R10 to R11 horizontal change 42 to 40 (12/05)
- 2) 7V4-1 aft corner cutout, change 4 to 6mm (12/05)
- 3) 7V4-3, there should be 3 rivets through the rib angle at station 58, (11 pilot holes) ref 7-V-6 (12/05)
- 4) 7V4-4 rear upper strut fitting, 5/16" hole, deleted: "drill 5/16" later". (04/06)
- 5) 7V4-3 rear root doubler, 11 holes: replace #20 holes with "pilot holes for A5 rivets" (04/06)
- 6) 7V4-6 installation of bracket on rear ribs: end of bracket approximately flush with end of rib (redrew aft end). (04/06)

7-V-5 04/06 WING DETAILS

- 1) Top left diagram: added note: location of top hole in template: cleco bottom hole. Rotate slat support bracket 7V4-5 until 35mm line marked on template is visible through hole. (04/06)
- 2) Bottom middle diagram: rivet pattern in 7V4-4. Changed 11 rivets A5 to 12 rivets A5. Added extra rivet in L angle. (04/06)

7-V-6 04/06 WING SKELETON AND DETAILS

- 1) Top diagram: redrew the end of the ribs to be flush with the aft end of the brackets 7V4-6 (four places). (04/06)
- 2) Bottom right diagram: cut 14 pieces of rear rib angle 40mm long (2 required for 7V4-2). (04/06)
- 3) Middle left diagram: section F-F was shown for front view of left wing. Changed hidden lines to show rear view of right wing.

7-V-7 04/06 WING SKINS

- 1) top diagram, nose skin 7V7-1, change slot to a cutout for 7V2-5 (12/05)
- 2) 7V7-3 change 708 to 704 (12/05)
- 3) 7V7-4 outboard end, change 35 to 15mm (12/05)
- 4) Bottom left diagram: change diameter (symbol) to R3, round off corners of cutout (12/05)
- 5) top left diagram: clarification: 250 from inboard edge of skin to rib web, 1200 measured to the center line of rib (12/05)
- 6) 7V7-2 rear top skin: distance from rear rib #6 to trail edge, change 415 to 385 (ref. table on 7-V-9) (04/06)

7-V-8 01/06 WING RIVETING AND DETAILS

- 1) Middle diagram second from top: part number correction, changed 7V3-2SP to 7V2-6SP spar web doubler. (10/2005)
- 2) 3rd diagram from top (left), 6 RIVETS A4 strut angle 7V8-4SP into skin and nose rib #4 (forward of main spar) (12/05)
- 3) Bottom left diagram: tie down ring is installed parallel to the main spar (redrew) (12/05)
- 4) Top middle diagram: change 6 to 7 rivets in 7V2-6SP Rev. 1 inboard or Rib #4 (01/06)

7-V-9 04/06 WING TIP AND WING ROOT

- 1) Top left diagram: Added A4 pitch 50 rivet line in top skin 7V7-2 into angle 7V8-2 (04/06)
- 2) 7V9-3 straight section (front bottom edge) length = 305mm (04/06)

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

7-V-11 04/06 10 GALLON WING TANKS

- 1) Bottom right diagram: redrew rib channel 7V11-4K with the bend towards the rear (04/06)
- 2) Top right diagram: Bend direction removed. (04/06)

7-S-0 06/05 SLATS: EXPLODED VIEW (LEFT SIDE)

7-A-1 01/04 FLAPERON RIBS, SPAR, HINGE BRACKETS

7-A-2 04/06 FLAPERONS

- 1) Top left diagram: root detail, spar 7A1-4 is even with outboard edge of the rib flange 7A1-1SP (spar does not fit inside rib), rib angle 7V6-3 connect rib to spar (04/06)
- 2) Bottom middle diagram, rivet spacing in control horn, changed 15 to 16 (04/06)
- 3) Middle diagram: AN3-3A bolt, install bolt with head on outboard side of splice plates (04/06)

- 7-S-1 04/06 SLATS RIBS / SKINS**
- 1) Slat ribs 7S1-1, blank cutout: top flange, change 140 to 145, bottom flange, changed 40 to 43, 55 to 57. (04/06)
 - 2) Slat ribs 7S1-1, crimp position, change 40 to 38 (three places) 20 to 22 (end crimp) (04/06)
- 7-S-2 04/06 SLATS TIPS**
- 1) Top left diagram: 28mm is to the bottom aft end of the rib. (04/06)
- 7-H-0 11/04 HORIZONTAL TAIL: EXPLODED VIEW**
- 7-H-1 04/06 HORIZONTAL TAIL RIBS**
- 1) 7H1-2 top right table, x=300 change y=79 to y=78, x=325 changed y=60 to y=60.7 (04/06)
 - 2) 7H1-7 table: x=115.6 change y=16 to y=16.1 (04/06)
- 7-H-2 04/06 HORIZONTAL TAIL BENT PARTS**
- 1) 7H2-1, 7H2-3, 7H2-4, change 1220 to 1219 (4ft) (04/06)
 - 2) 7H2-6 Rev. 1 change t=.040" to t=.063", change R=1/8" to R=1/4" (04/06)
- 7-H-3 04/06 HORIZONTAL TAIL HINGES AND ATTACHMENT DETAILS**
- 1) Added shaded zone for no rive area in the rear spar, ref left middle diagram.
 - 2) Top right diagram position of stabilizer on fuselage: it is not critical that 7H2-6 and 7H2-7 to be centered on the brackets 7F3-4
- 7-H-4 04/06 HORIZONTAL TAIL SKELETON, SKINS AND RIVETRING DETAILS**
- 1) Top diagram removed reference to 117 and 50mm bottom middle diagram, removed 110mm (duplicate measurements shown on drawing 7-H-3 (04/06)
- 7-H-5 04/06 ELEVATOR HORNS & STABILIZER CENTER HINGE BRACKET**
- 1) Top left diagram: template: R12, modified template to show a half circle above and below the 99 and 101 lines: to make it easier to position the horns tangent to the R12 on the template. (04/06)
- 7-R-0 06/05 701 RUDDER ASSEMBLY**
- 7-R-1 04/06 VERTICAL TAIL RIBS**
- 1) 7R1-6 rudder nose rib: x=100 changed y=49 to y=48, x=200 change y=42 to y=41.3, x=250 change y=31 to y=30.8, x=275 change y=23 to y=21.5 (04/06)
 - 2) 7R1-2 FORMING BLOCK changed to FORM BLOCK(04/06)
- 7-R-2 08/04 RUDDER PARTS AND SKELETON**
- 7-R-3 06/05 RUDDER SKIN AND HINGE DETAILS**
- 7-F-00 09/03 EXPLODED VIEW: REAR FUSELAGE**
- 7-F-0 11/04 EXPLODED VIEW: FRONT FUSELAGE**
- 7-F-1 04/06 FUSELAGE FORMERS**
- 1) 7F1-1 firewall vertical dimensions: change 74 to 77, 102 to 106, 133 to 136.2, 156 to 158, 182 to 184.3, 198 to 198.7, 206 to 206.7, 213 to 214.3, 215 to 216mm Change length from 854 to 849 form block (04/06)
- 7-F-2 09/03 REAR FUSELAGE SKINS**
- 7-F-3 11/04 REAR LONGERONS STIFFENERS**
- 7-F-4 04/06 REAR FUSELAGE DETAILS**

- 1) top right diagram: 9 rivets A4 in side flange of 7F3-2 (same rivet patten in side skin as in bottom skin 7F2-3) (04/06)

7-F-5 04/06 REAR LONGERONS PARTS

- 1) Left middle diagram: Rivets in shoulder harness attachment 7F5-5, deleted reference to rivets, see layout on 7F5-5 (04/06).
- 2) Left middle diagram: cutout in top window 7F19-1 to make room for rivets in gusset 7F3-3SP

7-F-6 04/06 REAR LONGERONS GENERAL

- 1) Middle diagram, above 7F6-3, deleted "see 7-F-16" (04/06)

7-F-7 04/06 FIREWALL DETAILS

- 1) Vertical lower channel 7F7-2C change length from 392 to 387 (04/06)
- 2) Firewall stiffeners 7F7-5, change length from 290 to 387mm
- 3) 7F7-4C side view, part number correction: 7F7-1SP

7-F-8 06/05 FORWARD FUSELAGE PARTS

7-F-9 08/05 CABIN SIDES ASSEMBLY

- 1) Bottom diagram: re-drew with more even rivet pitch in the doubler. (08/05)

7-F-10 04/06 FORWARD FUSELAGE PARTS

- 1) Top right text: #3 change "aft edge" to "front edge" (04/06)

7-F-11 06/05 SEAT FRONT

7-F-12 11/04 FUSELAGE DETAIL

7-F-13 03/04 FUSELAGE DETAILS

7-F-14 04/06 FRONT SIDES & TOP SKIN

- 1) 7F14-3 length of slot, change 3 to 10mm (04/06)

7-F-15 04/06 JOINING THE FUSELAGE SECTIONS

- 1) Bottom diagram: replaced # with P/N (for part numbers 14613 and 1226A62) (04/06)

7-F-16 04/03 SEAT BOTTOM

7-F-17 04/06 LANDING GEAR / WING STRUT FITTINGS

- 1) Left middle diagram: removed inside weld on the strut pick up (04/06)

7-F-18 04/06 CABIN FRAME

- 1) Top right diagram: 90x40 plate: delete 10mm edge distance to 3/16" hole (04/06)

7-F-19 11/04 FORM WINDSHIELD / HINGED UP DOORS

7-L-0 04/06 LANDING GEAR / NOSE GEAR

- 1) Top right diagram: changed the upper and lower rubber 7L2-2A to fit inside the gear strut fitting (flush with the outside of the bolts) (04/06)

7-L-1 04/06 NOSE GEAR ASSEMBLY AND STEERING

- 1) 7L1-2J steering rod. Change length from 290 to 310 (04/06)

7-L-2 04/06 MAIN GEAR SPRING AND WHEEL FORK

- 1) 7L2-2A change to top rubber from 1/8" to 3/8"
- 2) 7L2-2A bottom rubber: change length to 89mm (cut the length even with the groove).
- 3) 7L2-2A add note: do not over torque nut, check there is a gap between the gear plates 7L2-2J and the gear strut fitting 7F17-1SP
- 4) 7L2-1J added dimension across bottom of gear 1518mm (inside to inside dimension) (04/06)

7-C-0 04/06 CONTROL ASSEMBLY

- 1) 7C1-1 added rivet hole in bellcrank (04/06)

7-C-1 04/06 CONTROL SYSTEM PARTS

- 1) 7C1-1 added hidden holes for location of bellcrank block 7C1-1 (same view as on 7-C-0) (04/06)
- 2) Bottom left diagram: change 405 to 425, length of upper rod (04/06)

7-C-2 11/04 PITCH AND AILERON CONTROLS

7-C-3 06/05 FLAPERON CONTROL

7-C-4 02/05 RUDDER AND TOE BRAKE PEDALS

7-C-5 06/05 FAIRLEADS & STOPS

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 04/06 ROTAX OIL TANK BRACKETS

- 1) 7E3-2R change 125 to 120, 25 to 47, 22 to 47 (04/06)

7-E-4 04/06 PITOT TUBE ASSEMBLY & GASCOLATOR / SHUT-OFF VALVE

- 1) Top diagram, location of gascolator from center line: change 225 to 100 (04/06)

7-E-5 06/05 DUAL THROTTLE / CHOKE

OPTIONS:

7-ETO-1 02/05 ELECTRIC TRIM TAB OPTION

7-NS0-1 04/03 - NAV/STROBE LIGHT OPTION

7-WTO-1 04/06 - AUXILIARY WING TANK

- 1) Upper left diagram: channels turned around to match diagram below. (04/06)
Note: channels shown correctly (same as photo guide) in top middle diagram on drawing 7-V-11
- 2) Upper right diagram: bend direction removed (tank). (04/06)

7-WTO-2 04/03 - AUXILIARY FUEL SYSTEM

- end revisions -