

## **STOL CH 701 Revisions: Updates included in the 5<sup>th</sup> edition 4<sup>th</sup> revision**

List of changes made to 5<sup>h</sup> edition 3<sup>rd</sup> revision

**(7-G-0 drawing list DATE: November 23, 2004)**

### AIRFRAME

- 7-G-0** current drawing list November 23, 2004
- 7-G-1** **11/04** THREE VIEW  
1) Added: Fourth revision, 11/04 (11/04)
- 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** **08/03** WING RIBS
- 7-V-2** **11/04** WING SPAR WEB  
1) 7V2-6SP, edge distance for AN3-5A bolt, change 10 to 9.5mm top and bottom (11/04)
- 7-V-3** **11/04** WING SPAR TIP  
1) Middle diagram, section, make larger: used solid lines. (11/04)
- 7-V-4** **03/04** WING ROOT RIBS AND WING PARTS
- 7-V-5** **09/03** WING DETAILS
- 7-V-6** **11/04** WING SKELETON AND DETAILS  
1) 7V6-3 change quantity from 2 to 1, added text: 7-A-2 & 7H-4 qty=1 (11/04)  
2) 7V6-1 change dl=80 to 82mm (11/04)
- 7-V-7** **10/02** WING SKINS
- 7-V-8** **11/04** WING RIVETING AND DETAILS  
1) Clarification: middle diagram rivets in top front flange of spar doubler 7V3-2SP  
9 Rivets A4 O/B of rib #4, 8 rivets A4 I/B or rib #4, 1 rivet A4 in line with rib #4 (04/11)  
2) Bottom middle diagram: mains spar, redrew rivets, replace "+" for solid rivet by "o" symbol (11/04)
- 7-V-9** **11/04** WING TIP AND WING ROOT  
1) Bottom diagram: rivet pitch in 7V9-3A, changed A4 pitch 40 to A4 pitch 50 (placed, rivet line in both flanges) (08/04)  
2) Aft end of 7V9-3A ends before the rear channel 7V6-2SP (08/04)  
3) nose skin wing tip trimming 7V7-1, change Ynose at station 350 from 290 to 310, station 400 from 270 to 290, station 450 from 292 to 291 (11/04)
- 7-V-10** **11/04** WING STRUTS, JURY STRUTS & STRUT INSTALLATION  
1) 7V10-5SP and 7V10-6SP, redrew end view in line with bends show in top view (11/04)
- 7-V-11** **11/04** 10 GALLON WING TANKS  
1) Delete fuel sender unit P/N 226-002 (middle diagram), Replace diagram with Fuel sender mounting ring P/N 226-451, show gasket and mounting ring with fuel sender unit for side mount (installed on inboard end of tank). Bottom left diagram, replace location of the fuel sender on top of the tank with location at inboard end of tank in line with front lightening hole. (11/04)

- 7-S-0**      **11/04**    SLATS: EXPLODED VIEW (LEFT SIDE)  
1) top diagram 7-A-0 , rivets shown in 7A2-3, replaced “o” with “+” (11/04)
- 7-A-1**      **01/04**    FLAPERON RIBS, SPAR, HINGE BRACKETS  
**7-A-2**      **04/04**    FLAPERONS  
**7-S-1**      **01/04**    SLATS RIBS / SKINS
- 7-S-2**      **10/04**    SLATS TIPS  
1) Top left diagram: re-drew L angle on side of rib, 2 rivets in aft section, 1 rivet in middle section, shown correctly in photo assembly guide Slat assembly, section 3 page 4 of 12 (10/04)
- 7-H-0**      **11/04**    HORIZONTAL TAIL: EXPLODED VIEW  
1) clean up some drawing lines (11/04)
- 7-H-1**      **11/04**    HORIZONTAL TAIL RIBS  
1) Bottom diagram, add part number for ribs, re-drew the front flange on 7H1-7 with cut corners (11/04)
- 7-H-2**      **11/04**    HORIZONTAL TAIL BENT PARTS  
1) top right diagram: Added line for location of nose rib 7H1-3 (09/04)  
2) 7H2-1 Redrew location of lightening hole space in middle of web (09/04)  
3) 7H2-1 top right diagram: added text “FRONT VIEW” (09/04)  
4) 7H2-2 second diagram from top: add text “REAR VIEW” (09/04)  
5) 7H2-6 angle, 8 degrees closed (11/04)
- 7-H-3**      **09/04**    HORIZONTAL TAIL HINGES AND ATTACHMENT DETAILS  
1) top left diagram: replace hidden lines for nose rib 7H1-3 with solid lines (09/04)  
2) top left diagram: show 4 rivets for nose rib and rear rib (09/04)  
3) Second diagram from top: reposition no rivet zone closer to the aircraft center line (09/04)
- 7-H-4**      **11/04**    HORIZONTAL TAIL SKELETON, SKINS AND RIVETRING DETAILS  
1) middle diagram top view: added hinge line = 110mm from leading edge (09/04)  
2) bottom right diagram: added 7H1-7 and 7H1-4 to typical rib/spar spacing (09/04)  
3) Bottom left diagram, replace “o” with “+” to show rivets (11/04)  
4) Bottom right diagram: 3 rivets in rear ribs 7H1-7, 5 rivets in nose rib 7H1-6, 4 rivets in 7H1-4 and 7H1-3 (11/04)
- 7-H-5**      **09/04**    ELEVATOR HORNS & STABILIZER CENTER HINGE BRACKET  
1) Top right diagram: re-drew chamfered corner on 7H5-3, bottom edge is 12.5mm from skin. Extend hidden line to the top (09/04)  
2) Top middle diagram: re-drew channel and spar with hidden lines. (09/08)  
3) left diagram: position template, redrew R12 circle with hidden lines (09/04)
- 7-R-0**      **11/04**    701 RUDDER ASSEMBLY  
1) Upper hinge 7R2-4, remove the middle rivet. Deleted step 18 in building sequence. (08/04)  
2) bottom left diagram: reposition 2x4 with forward edge along trailing edge of rudder skin. (08/04)  
3) top left diagram: replace notation 3xA4 with 3 RIVETS A4, change 3 rivets to 4 rivets for 7R1-2, 7R1-3 and 7R1-6 (11/04)

- 7-R-1**      **10/02** VERTICAL TAIL RIBS
- 7-R-2**      **08/04** RUDDER PARTS AND SKELETON  
 1) 7R2-1 Rev 1, deleted 2 degrees closed at the top (side flanges), changed bottom angle from 6 degrees closed to 5 degrees closed. (08/04)  
 2) 7R2-4 bottom right diagram: front view – added vertical cut lines in bottom flange. (08/04)
- 7-R-3**      **11/04** RUDDER SKIN AND HINGE DETAILS  
 1) Bottom left diagram: redrew rivets on tie down ring, replaced what looks like solid rivets with line (11/04)
- 7-F-00**      **09/03** EXPLODED VIEW: REAR FUSELAGE
- 7-F-0**      **11/04** EXPLODED VIEW: FRONT FUSELAGE  
 1) Part number correction, 7F14-2 (shown as 8F14-1) and 7F8-2 (shown as 8F8-3) (11/04)
- 7-F-1**      **11/04** FUSELAGE FORMERS  
 1) 7F1-1 added crimps to top view of firewall (11/04)
- 7-F-2**      **09/03** REAR FUSELAGE SKINS
- 7-F-3**      **11/04** REAR LONGERONS STIFFENERS  
 1) Top right diagram: clarification: A5 pitch 40 rivets in bottom flange of 7F6-1 and A5 pitch 40 in O/B flange of 7F5-4 (11/04)  
 2) top right diagram: Redrew 7F6-1 with web vertical. (11/04)
- 7-F-4**      **11/04** REAR FUSELAGE DETAILS  
 1) 7F4-4 rotated location of end view to be on top of part.  
 2) right middle diagram: cross section through doublers 7F3-2, added up arrow (11/04)
- 7-F-5**      **10/04** REAR LONGERONS PARTS
- 7-F-6**      **01/04** REAR LONGERONS GENERAL
- 7-F-7**      **09/03** FIREWALL DETAILS
- 7-F-8**      **11/04** FORWARD FUSELAGE PARTS  
 1) top diagram, added part number for cabin floor 7F8-7 (11/04)
- 7-F-9**      **11/04** CABIN SIDES ASSEMBLY  
 1) Cabin side riveting: re-drew diagram to replace “+” with “o” for solid rivets. Rivet in bottom flange of corner angle 7F9-9SP change AD4-5 to AD-4-4
- 7-F-10**      **11/04** FORWARD FUSELAGE PARTS  
 1) Text top right, deleted see 7V10-2SP )11/04)  
 2) top diagram: instrument panel is vertical (11/04)  
 3) 7F10-1, width of bottom flanges, change 20 to 24, change 18 to 20mm (11/04)

- 7-F-11**      **11/04 SEAT FRONT**  
 1) 7F11-5 correction to orientation, 20mm flange points to the rear.  
     Shown correctly in section B-B Ref 7-F-12) (11/04)  
 2) 7F11-7, change description from Gussets to Seat Gusset (11/04)
- 7-F-12**      **11/04 FUSELAGE DETAIL**  
 1) Bottom left diagram: changed 195 to 196mm  
 2) right middle diagram: part number correction, change 7F18-1 to  
     7F18-1SP (11/04)
- 7-F-13**      **03/04 FUSELAGE DETAILS**
- 7-F-14**      **11/04 FRONT SIDES & TOP SKIN**  
 1) top right diagram: left and right L angles no to line up with the bottom  
 of the instrument panel, redraw L angle approximately 40mm up from  
 bottom flange (11/04)  
 2) right diagram Section A-A, removed double line above the L angle on  
 aircraft center line. Clarification: rivet line along bottom edge of front top  
 skin and 7F14-4 and front side skin 7F14-3. Parallel rivet line: Second  
 rivet line is 30mm up through L angle. (11/04)  
 3) diagram 7F14-6R, top L angle is pointing in the wrong direction, the  
 bend is towards the bottom (see top right diagram on 7-F-14) (11/04)
- 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**  
 1) 7F17-1SP left bottom diagram top view: Clarification, welds along the  
 sides of the strut pick up plate are on the bottom side of the plate. Middle  
 diagram; Side view Add welds in corner of channel pickup and strut pick  
 up. (11/04)  
 2) bottom right diagram: gear bolt, change grade 8 to grade 5 (11/04)
- 7-F-18**      **04/04 CABIN FRAME**
- 7-F-19**      **11/04 FORM WINDSHIELD / HINGED UP DOORS**  
 1) Middle diagram: plate t=.040" Add Qty=2 (one for each door) (11/04)
- 7-L-0**      **11/04 LANDING GEAR / NOSE GEAR**  
 1) Top diagram: added upper 7L2-2A (11/04)
- 7-L-1**      **04/04 NOSE GEAR ASSEMBLY AND STEERING**
- 7-L-2**      **11/04 MAIN GEAR SPRING AND WHEEL FORK**  
 1) 7L2-2J material dimensions underneath part description, change 1-1/8"x3/4"  
     t=.1875" to 1-1/4"x3/4"xt=.1875" (32mm shown in end view diagram is  
     correct) (11/04)  
 2) 7L2-2A upper rubber: changed 1/8" to 1/4", t=.25" (11/04)
- 7-C-0**      **11/04 CONTROL ASSEMBLY**  
 1) Added title to top diagrams: Cable connections see 7-C-6.  
 2) title block add: cable shackle / turnbuckle option (11/04)

- 7-C-1**      **11/04** CONTROL SYSTEM PARTS  
1) middle diagram, bellcrank assembly riveting: change AN-470-AD-5-11 to AN-470-AD-5-12 (11/04)
- 7-C-2**      **11/04** PITCH AND AILERON CONTROLS  
1) 7C2-1 change 250" to .25"  
2) bushing (bottom right diagram) change .250" to .25" (11/04)
- 7-C-3**      **11/04** FLAPERON CONTROL  
1) 7C3-2 change castle nut AN310-3 to AN310-4 (11/04)
- 7-C-4**      **09/04** RUDDER AND TOE BRAKE PEDALS  
1) 7C4-1J top right diagram: location of wire ring: change 14mm to 24mm aluminum (09/04)
- 7-C-5**      **05/03** 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**      **04/03** ROTAX OIL TANK BRACKETS
- 7-E-4**      **04/03** PITOT TUBE ASSEMBLY & GASCOLATOR / SHUT-OFF VALVE
- 7-E-5**      **04/03** DUAL THROTTLE / CHOKE

OPTIONS

- 7-ETO-1**    **11/04** ELECTRIC TRIM TAB OPTION  
1) Add: Electric trim system [www.rayallencompany.com](http://www.rayallencompany.com) P/N T2-7A-TS (11/04)
- 7-NS0-1**    **04/03** NAV/STROBE LIGHT OPTION
- 7-WTO-1**    **11/04** AUXILIARY WING TANK  
1) bottom right diagram: removed fuel sender unit from top of I/B tank (11/04)
- 7-WTO-2**    **04/03** AUXILIARY FUEL SYSTEM

- end revisions -