

STOL CH 701 Revisions: Updates included in the 5th edition, 3rd revision

List changes made to 5th edition, 2nd revision

(7-G-0 drawing list DATE: 04/12/2004)

AIRFRAME

- 7-G-0** current drawing list April 12, 2004
- 7-G-1** **04/04** THREE VIEW
1) 5th edition 3rd revision 04/2004
- 7-G-2** **09/03** PART NUMBER EXAMPLE, L ANGLES & Z ANGLES
- 7-G-3** **04/03** GENERAL SPECIFICATIONS
1) Abbreviation: change FWD to FRWD
- 7-V-0** **03/03** WING EXPLODED VIEW
- 7-V-1** **08/03** WING RIBS
- 7-V-2** **05/03** WING SPAR WEB
- 7-V-3** **03/04** WING SPAR TIP
1) 7V3-1SP 5/16" hole, delete "open to 5/16" later" (03/04)
2) Top right diagram: rivet spacing by station 3090, change 50 to 30 (3090-30=3060) and 3060-2300 = 760 rivet spacing (03/04)
- 7-V-4** **03/04** WING ROOT RIBS AND WING PARTS
1) 7V4-3 and 7V4-6 notation: replace "o" with "+" for the #20 holes (03/04)
- 7-V-5** **09/03** WING DETAILS
- 7-V-6** **03/04** WING SKELETON AND DETAILS
1) Top right diagram: added web (425 is measured to the rib web) (03/04)
2) Middle diagram: template, 715 is measured to the "spar web" (03/04)
- 7-V-7** **10/02** WING SKINS
- 7-V-8** **04/03** WING RIVETING AND DETAILS
- 7-V-9** **03/04** WING TIP AND WING ROOT
1) Table: 7V7-3 bottom, straight line from 300 to 370 (delete 310, 320, 330, 340m, 350, 360) (03/04)
- 7-V-10** **04/04** WING STRUTS, JURY STRUTS & STRUT INSTALLATION
1) top right diagram: change 7V2-5SP to 7V2-5 (03/04)
2) 7V10-1SP and 7V10-2SP, Bend "U" plate, change 4130N to 4130 (04/04)
3) 7V10-5SP and 7V10-6SP, change 4130N to 4130 (04/04)
- 7-V-11** **12/03** 10 GALLON WING TANKS
1) Top left diagram: vertical position of the filler cap: cap is installed with the bead on top of the tank. Top right diagram: 2-3/16" holes is a flanged hole, 7/8" hole is a flanged hole. (12/03)
- 7-S-0** **03/03** SLATS: EXPLODED VIEW (LEFT SIDE)
- 7-A-1** **01/04** FLAPERON RIBS, SPAR, HINGE BRACKETS
1) 7A1-1 Added small crimp bottom flange, approximate location is the tangent with the radius (01/04)

- 7-A-2 04/04 FLAPERONS**
 1) text top left, "CHECK: wait to ..." deleted (03/04)
 3) 7A2-4 change 4130N to 4130 (04/04)
- 7-S-1 01/04 SLATS RIBS / SKINS**
 1) 7S1-1, add two small crimps in the short flange along the front of rib, 45mm from the bottom corner of rib, 40mm between first and second crimp (01/04)
 2) 7S1-1 Added text to spell out "four crimps top flange" (01/04)
 3) Bottom right diagram: redrawn to eliminate space or gap between rib and skin, added corner relief in bottom flange (01/04)
- 7-S-2 01/04 SLATS TIPS**
 1) top middle diagram: redrew two small crimps on front flange of rib 7S1-1 and front flange on front view (01/04)
- 7-H-0 09/03 HORIZONTAL TAIL: EXPLODED VIEW**
- 7-H-1 03/04 HORIZONTAL TAIL RIBS**
 1) 7H1-4 front tooling hole is 28mm back from line A-A, rear tooling hole is 70mm from rear flange (03/04)
- 7-H-2 11/02 HORIZONTAL TAIL BENT PARTS**
- 7-H-3 04/04 HORIZONTAL TAIL HINGES AND ATTACHMENT DETAILS**
 1) 7H3-2 change STEEL to 4130 (04/04)
- 7-H-4 03/04 HORIZONTAL TAIL SKELETON, SKINS AND RIVETRING DETAILS**
 1) Bottom left diagram: change 3 rivets to 4 rivets A4 (typical rib/spar riveting)
 Note: it is acceptable to have less than minimum edge distance on the end holes) (03/04)
 2) 7H4-2, cross section, clarification of rear flange, bent 162 degrees (18deg) (03/04)
 3) 7H4-2 text bottom right, delete "dl is approx 5mm too long) (03/04)
 4) top diagram: delete text "check: position of" (03/04)
 5) new page layout: moved box "elevator & stabilizer rivets" from bottom right to middle of page between stabilizer & elevator (03/04)
- 7-H-5 03/04 ELEVATOR HORNS & STABILIZER CENTER HINGE BRACKET**
 1) Template: add a R12 circle on template. Text description under template: position horns flush with radius R12 on template (03/04)
- 7-R-0 11/02 701 RUDDER ASSEMBLY**
- 7-R-1 10/02 VERTICAL TAIL RIBS**
- 7-R-2 03/04 RUDDER PARTS AND SKELETON**
 1) Top right diagram: Nose Rib and rear ribs #2 and RR#3, change 3 rivets to 4 rivets A4 (it is acceptable for end holes to have less than minimum edge distance) (03/04)
- 7-R-3 03/03 RUDDER SKIN AND HINGE DETAILS**
- 7-F-00 09/03 EXPLODED VIEW: REAR FUSELAGE**
- 7-F-0 03/03 EXPLODED VIEW: FRONT FUSELAGE**
- 7-F-1 09/03 FUSELAGE FORMERS**
- 7-F-2 09/03 REAR FUSELAGE SKINS**
- 7-F-3 05/03 REAR LONGERONS STIFFENERS**

- 7-F-4** **04/03** REAR FUSELAGE DETAILS
- 7-F-5** **01/04** REAR LONGERONS PARTS
 1) 7F5-5 change 65 TO 85 (01/04)
 2) Top middle diagram: added rivet pitch A5 PITCH 40 side skin 7F2-2 into Channel 7F5-2SP (01/04)
- 7-F-6** **01/04** REAR LONGERONS GENERAL
 1) Added rivet pitch – riveting L angles to Baggage Floor 7F5-7 rivets A4 pitch 40, Riveting L angles to Seat Back 7F6-4 rivets A4 pitch 40 (01/04)
 2) The 2 rivets A4 below the 1-1/8” hole in the Rear Torque Tube Bearing 7F6-2, 15mm to the edge of the hole, vertical position = middle (01/04)
- 7-F-7** **09/03** FIREWALL DETAILS
- 7-F-8** **03/04** FORWARD FUSELAGE PARTS
 1) Bottom right diagram: added 7F6-5 riveted with A4 pitch 40 to 7F6-4 (03/04)
 2) 7F8-4, continued rivet spacing 20MM to end holes (3 places) (03/04)
- 7-F-9** **03/04** CABIN SIDES ASSEMBLY
 1) change to part number description: change 7F9-8 from rear upright to REAR STIFFENER, 7F9-7 front upright to FRONT STIFFENER (03/04)
- 7-F-10** **01/04** FORWARD FUSELAGE PARTS
 1) middle diagram, remove no rivet zone along the front edge of the cabin sides 7-F-9, replace no rivet zone with 6 RIVETS A5 along front of 7-F-9 & cabin floor (01/04)
- 7-F-11** **01/04** SEAT FRONT
 1) 7F11-1 clarification: 72mm to the center of the flanged lightening hole (01/04)
 2) 7F11-1 horizontal distance to holes “c” and “h”, change 26mm to 30mm (on drawing repositioned holes closer to L angle on cabin side) (01/04)
 3) 7F11-8 change qty=2 to 1 (01/04)
- 7-F-12** **03/04** FUSELAGE DETAIL
 1) bottom diagram: added text “wait to install 7F12-5 until after top window is installed. (03/04)
- 7-F-13** **03/04** FUSELAGE DETAILS
 1) 7F13-1, add dimension to the center of the #20 hole from the front edge = 60mm (03/04)
- 7-F-14** **04/04** FRONT SIDES & TOP SKIN
 1) 7F14-5R change 4130N to 4130 (04/04)
- 7-F-15** **03/04** JOINING THE FUSELAGE SECTIONS
 1) top left diagram: change 74deg to 75 deg. Change 707 to 710mm
 2) Text joining rear fuselage: part number correction change: 7F5-3SP to 7F5-1SP (also top right text Rear attachment) (03/04)

- 7-F-16** **04/03** SEAT BOTTOM
- 7-F-17** **04/04** LANDING GEAR / WING STRUT FITTINGS
 1) STRUT PICK UP: change 4130N to 4140 (04/04)
 2) REAR PLATE: change 4130N to 4130 (04/04)
 3) FRONT PLATE: change 4130" to 4130 (04/04)
 4) STEEL GUSSET: change 4130N to 4130 (04/04)
 5) SIDE PLATE: change 4130N to 4130 (04/04)
 6) CHANNEL PICK UP: change 4130N to 4130 (04/04)
- 7-F-18** **04/04** CABIN FRAME
 1) Right middle diagram: 5/16" wing attachment hole: deleted "open later to 5/16") (03/04)
 2) top right, plate 4130N to 4130, deleted "same as 7-E-1" (04/04)
 3) Right middle: Bent "U" 4130N 4130 (04/04)
- 7-F-19** **04/03** FORM WINDSHIELD / HINGED UP DOORS
- 7-L-0** **04/02** LANDING GEAR / NOSE GEAR
- 7-L-1** **04/04** NOSE GEAR ASSEMBLY AND STEERING
 1) 7L1-1J middle diagram: delete 310mm (correct measurement it to the top side of the plate (03/04)
 2) 7L1-1J bottom plat 90x90 t=.1875 change 4130N to 4130N HOT ROLL (04/04)
 3) 7L1-1J bungee plate 20x40: Change STEEL to 4130 (04/04)
 4) 7L1-2J change STEEL to 4130 (04/04)
- 7-L-2** **03/04** MAIN GEAR SPRING AND WHEEL FORK
 1) bottom left diagram 7L2-3J, added edge distance 15mm for AN4-6A (03/04)
- 7-C-0** **03/04** CONTROL ASSEMBLY
 1) bottom diagram: labeled upper & lower elevator cables, left & right rudder cables. (03/04)
- 7-C-1** **03/04** CONTROL SYSTEM PARTS
 1) 7C1-3 change 700 to 685 change "cut to fit stick neutral" to "check stick neutral" (03/04)
- 7-C-2** **04/04** PITCH AND AILERON CONTROLS
 1) 7C2-3 BOLTS, change AN5-7A to AN5-10A qty=2 (03/04)
 2) 7C2-1 change t=.080" 4130N to t=.080" 4130 (04/04)
 3) 7C2-2 changed STEEL to 4130 (04/04)
 4) 7C2-3 Change STEEL to 4130 (04/04)
- 7-C-3** **03/03** FLAPERON CONTROL
- 7-C-4** **04/04** RUDDER AND TOE BRAKE PEDALS
 1) 7C4-1J to right: change 20x20 to 20x40 4130N to 4130 (04/04)
 2) TOE BRAKE PEDAL, change: material = ¼" steel rod to 3/16" STEEL ROD (04/04)
 3) Toe brake pedal, change STEEL PLATE to 4130 (04/04)
- 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
1) middle diagram: change 4130N to 4130 (04/04)
2) Gussets, change 4130N to 4130 (04/04)
4) top diagram: tray, change STEEL to 4130 (04/04)

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 03/04 ELECTRIC TRIM TAB OPTION
1) bottom right diagram: cutout in skin change 75x75 to 72x72mm (03/04)

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

removed page (03/04) **7-WTA-1 10/02 WING TANK ACCESS COVER**

7-WTO-1 04/03 AUXILIARY WING TANK

7-WTO-2 04/03 AUXILIARY FUEL SYSTEM

- end revisions -