

Updates included in the **5th edition 04/2003** (9th printing of 4th edition)

List of corrections found in the 4th edition 8th printing (7-G-0 drawing list DATE: November 11, 2002)

AIRFRAME

7-G-0 current drawing list **April 30, 2003**

7-G-1 04/03 THREE VIEW

1) Added to Technical data: Wing airfoil NACA 650-18 mod (before cutting the slot for the slat) Horizontal tail airfoil: mod RAF 14% thick upside down (i.e. fat is on top) (12/02)

2) Added drawing edition 4th edition 8th printing (03/03) eighth

3) Edition #5 05/2003 first printing 05/2003 (04/03)

7-G-2 04/03 L ANGLES & Z ANGLES

1) Bottom left, L angle, spelling "length" change 6-V-5 to 7-V-5 (01/03)

2) Bottom right, change example from 7-F-00 & 7-F-0 to 7-F-6 & 7-F-14 (04/03)

3) Added 7V1-3A, 7F3-2A, 7C5-1A (04/03)

4) Bottom right: Added legend, dl=developed length= width before part is bent (03/03)

7-G-3 04/03 GENERAL SPECIFICATIONS

1) Level reference line A-E see 7-F-2 (delete "curved edge of fuselage) 04/03

7-V-0 03/03 WING EXPLODED VIEW

1) re-drew the end of the rear ribs (03/03)

7-V-1 04/03 WING RIBS

1) 7V1-2K misprint, change 480 to 280mm (11/02)

2) 7V1-1 location of first crimp on top side (bottom left diagram) change 20 to 25 (12/02)

3) Rear Rib form block, last coordinate: change 42 to 41.7 (03/03)

4) Moved the pitot tube to 7-V-1 from drawing 7-E-4 . New part number 7V1-3A to replace 7E4-1, new page layout (04/03)

7-V-2 12/01 WING SPAR WEB

7-V-3 04/03 WING SPAR TIP

1) top diagram: clarification, A4 rivets at the top and bottom of the L angles at STN 480, 1160 (shown correctly at station 2760) (04/03)

2) 7V3-1SP remove text "drill all #20" (04/03)

3)

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

1) 7V4-7 part description: change "Flaperon Bracket" to "Flaperon Arm" (03/03)

7-V-5 03/03 WING DETAILS

1) Bottom middle diagram: Change length of L angle from 80 to 100mm to reach I/B end 7V4-4 as shown on diagram (03/03)

7-V-6 01/03 WING SKELETON AND DETAILS

1) middle of the page, Plywood Channel Positioning Template, bottom distance, change 585 to 400 (01/03)

- 7-V-7 10/02 WING SKINS**
- 7-V-8 04/03 WING RIVETING AND DETAILS**
- 1) top diagram, rivets in nose skin top side, change 20 to 27, next rivet at 33, remaining rivets 5 Rivets pitch 40 (12/02)
 - 2) Top diagram: skin riveting, added A4 beside rivet pitch. Delete text "all rivets A4 except..." (04/03)
- 7-V-9 02/03 WING TIP AND WING ROOT**
- 1) 7V7-2 wing tip top side co-ordinates: station 500 change 460 to 464mm, station 500 from 390 to 385mm (02/03)
 - 2) 7V7-3 wing tip bottom side co-ordinates: wing tip is a straight line, Change 319 to 320, 328 to 330, 338 to 340 (02/03)
- 7-V-10 03/03 WING STRUTS, JURY STRUTS & STRUT INSTALLATION**
- 1) middle right diagram: rear rib flange shown pointing I/B instead of O/B, Change to point O/B (03./03)
- 7-V-11 04/03 10 GALLON WING TANKS**
- 1) Top middle diagram: add part number for outlet E-400-00 3/8"NPT, Drain: E-398-000 1/8"NPT (03/03)
 - 2) Bottom right diagram: added text: A4 PITCH 40, 7V7-2 into 7V11-2 and A4 PITCH 40 7V7-3 into 7V11-2K (04/03)
- 7-S-0 03/03 SLATS: EXPLODED VIEW (LEFT SIDE)**
- 1) Show all 3 nose ribs 7S
- 7-A-1 10/02 FLAPERON RIBS, SPAR, HINGE BRACKETS**
- 7-A-2 12/01 FLAPERONS**
- 7-S-1 01/03 SLATS RIBS / SKINS**
- 1) left middle diagram, L angle in front corner of slat skin, change l=1180 to 1219mm (01/03)
- 7-S-2 01/03 SLATS TIPS**
- 1) 6V11-1K Lower top diagram, L angle in front corner of slat skin, change l=1180 to 1219mm (2 places) the three-slat rib overlap on top of the front corner L angle, not just the middle rib. (01/03)
 - 2) 6V11-1K, top middle diagram: Location of Channel 7V11-2K distance 530 & 520 are measured along the curvature of the rib (03/03)
 - 3) Fuel sender, middle diagram, correction to part number, change 226-022 to 226-002 (03/03)
 - 4) Bottom left, correction to spelling, HOSE (03/03)
- 7-H-0 06/01 HORIZONTAL TAIL: EXPLODED VIEW**
- 7-H-1 03/03 HORIZONTAL TAIL RIBS + OPTION ELECT. ELEV. TRIM TAB**
- 1) 7H1-3 part description, change Ribs to Rib (03/03)
 - 2) 7H1-7 change quantity 2L & 2R to 4 req'd (03/03)
- 7-H-2 11/02 HORIZONTAL TAIL BENT PARTS**
- 7-H-3 10/02 HORIZONTAL TAIL HINGES AND ATTACHMENT DETAILS**
- 7-H-4 01/03 HORIZONTAL TAIL SKELETON, SKINS AND RIVETRING DETAILS**
- 1) 7H4-1 added information specify the top and bottom side of the stabilizer skin:

TOP SIDE, 381mm from aft edge of skin, BOTTOM SIDE: approximately 399 from aft edge center of the bend. (01/03)

7-H-5 12/02 ELEVATOR HORNS & STABILIZER CENTER HINGE BRACKET

- 1) right top diagram: mirror image front view to a rear view (11/02)
- 2) 4 RIVETS A5 in horn 7H5-3 and spar 7H2-8 (12/02)
- 3) top right diagram: rear view: added hidden for 7H5-3 (12/02)

7-R-0 11/02 701 RUDDER ASSEMBLY

7-R-1 10/02 VERTICAL TAIL RIBS

7-R-2 10/02 RUDDER PARTS AND SKELETON

7-R-3 03/03 RUDDER SKIN AND HINGE DETAILS

- 1) Bottom left diagram: Deleted "SHIM" replaced with 1 washer AN960-416 (on the underside of 7R2-3), 2 washers AN960-416 on the underside of 7F4-1) 03/2003

7-F-00 04/03 EXPLODED VIEW: REAR FUSELAGE

- 1) Bottom left diagram: part number correction, change 7F3-4 to 7F3-2 (03/03)
- 2) Top right diagram: Added rudder fairlead 7C5-3 (03/03)
- 3) Middle diagram: Change "Corner Gusset 7-V-3" to 7F3-2A (03/03)
- 4) 7F5-7 Added cutout for flaperon cover 7C6-6 (03/03)
- 5) Add L angle at the bottom of 7F5-4 (04/03)
- 6) Correct orientation of Z along the sides of the access cutout (04/03)
- 7) Removed gusset 7F3-2A at top of upright 7F5-4 (04/03)

7-F-0 03/03 EXPLODED VIEW: FRONT FUSELAGE

- 1) Deleted the 2 L angles under the seat (parallel to front edge). Repositioned aft end of L angle riveted to the side of the tunnel for the seat See 7-F-16 (03/03)

7-F-1 03/03 FUSELAGE FORMERS

- 1) 7F1-1 REV 1 Update to the location of the crimps firewall (to fit around 7F14-5R) 17 crimps per side (no crimps on center line), first crimp at 55 from top center line of firewall, then 65MM, then 80, next 6 crimps at 40, 110. Bottom, first crimp from CL at 240, then 4 crimps at 30, one at 40, 110 (03/03)

7-F-2 01/03 REAR FUSELAGE SKINS

- 1) 7F2-1 half distance across aft edge (half of 135), change 62.5mm to 67.5mm (01/03)

7-F-3 03/03 REAR LONGERONS STIFFENERS

- 1) 7F3-2A new Part number (right middle diagram), Corner Gusset. The last two bottom gussets are cut even with the sides of the L angles to make room for the rudder cables. (03/03)
- 2) 7F3-1 delete length under descriptions (front & Rear top 1500 and bottom 1800) 03/03
- 3) 7F3-4: spell out the number of rivets: 9 RIVETS A5 (see 7-C-5). (03/03)
- 4) bottom right diagram: Change "A4 pitch 35 to 40" to pitch 35 (L angle at

the top of the HT frames 7H1-3 and 7H1-4) (03/03)

7-F-4 04/03 REAR FUSELAGE DETAILS

- 1) distance between the rudder hinge, change 300 to 304 (03/03)
- 2) Top diagram: 7F3-1, replace top and bottom with description: "upper front longeron 7F3-1", "upper rear longeron 7F3-1" (04/03)

7-F-5 04/03 REAR LONGERONS PARTS

- 1) top middle diagram, part number correction, change 6F12-4 to 7F12-4 (01/03)
- 2) 7F5-5 change width from 30mm to 40mm, shown correctly in 3rd edition (03/03)
- 3) 7F5-6 position of Side Channel 7F5-2SP show incorrectly on I/B flange instead of O/B flange: repositioned also flanges on 7F5-2SP bent 8 degrees in (04/03)
- 4) 7F5-7 width of cutout at the front change 70 to 85mm (03/03)
- 5) 7F5-5 change R15 to R20 (04/03)

7-F-6 04/03 REAR LONGERONS GENERAL

- 1) 7V6-3 installed with 7 RIVETS A4 (drawing only showed 6) 03/03
- 2) 7V6-2, redrew the location of the 1-1/8" hole, top edge 5.7mm from the top (04/03)
- 3) Top diagram: Show Z angle instead of L angle (stiffener along aft edge of access hole) 04/03
- 4) Middle diagram: show rear HT frame with flanges pointing forward (04/03)

7-F-7 04/03 FIREWALL DETAILS

- 1) 7F7-9C correction to part number, change 6B7-1 to 7F7-1SP (01/03)
- 2) Bottom middle diagram: side view of firewall, rotate firewall in a vertical position (03/03)
- 3) Bottom right diagram, change 90 to 80, location of first rivet part the no rivet zone for the engine mount (03/03)
- 4) 7F7-7SP singular, change stiffeners to stiffener (04/03)

7-F-8 11/02 FORWARD FUSELAGE PARTS

7-F-9 11/02 CABIN SIDES ASSEMBLY

- 1) location of grommet for brake line: in bottom of cabin side, 40mm from the aft edge, 35mm in from outside bend (11/02)

7-F-10 04/03 FORWARD FUSELAGE PARTS

- 1) 7F10-1 REV 1 change 103 to 104 (inside dimension is 102.2mm) change from 208 to dl=209 (02/03)
- 2) left middle diagram: removed hidden line: The Bottom Longeron Doubler 7F3-2 and the Bottom Skin 7F2-2 overlap underneath the aft flange of the Bottom Channel 7F10-1 (04/03)

7-F-11 04/03 SEAT FRONT

- 1) 7F11-1A hole for cable in plastic material, change 1/8" to #20 hole (04/03)
- 2) Added new part number for 35x45mm 1/8" plastic fairlead: 7C5-1A (04/03)

7-F-12 06/02 FUSELAGE DETAIL

7-F-13 10/02 FUSELAGE DETAILS

7-F-14 03/03 FRONT SIDE & TOP SKIN

- 1) 7F14-1 change width from 60 to 70mm (12/02)
- 2) top right diagram section A-A, length of Z, change 580 to 480mm (12/02)
- 3) Moved 7F14-5R up with the top edge even with the top of the Stiffener 7F7-7SP (crimp in firewall can be eliminated), offset the two bolt AN3 (01/03)
- 4) 7F14-2 location of cutout, change 14 to 45, change 22 to 70
- 5) 7F14-4 delete 1130, 580 and 1000 (01/03)
- 6) Z angle should not be parallel to the Longerons, delete 100, front of Z angle below Steel Angle 7F14-5R (03/03)
- 7) 7F14-2 part number description: delete "Instrument Panel"

7-F-15 04/03 JOINING THE FUSELAGE SECTIONS

- 1) 7F15-3D spelling: Striker Plate 04/2003

7-F-16 04/03 SEAT BOTTOM

- 1) 7F16-1: the L angles under the riveted under the seat: Angles are optional, the angles are not necessary to make the seat more stable: removed from drawings. (also right middle diagram: delete 150 & 240 (03/03)
- 2) L angle to the riveted side of the Tunnel 7V11-4 for the side of the Seat: Reposition aft end on the front flange of the Gear (Bottom) Channel 7F10-1 instead of on top of the Channel (03/03)
- 3) Right middle diagram: Height of the Seat 7F16-1. Delete 60 to 65mm between the top of the Gear Channel 7F10-1 and Bottom of Seat. Add new dimension 115mm vertical measured down from a square positioned on the web of the Seat Front 7F11-1. (03/03)
- 4) 7F16-1, length of seat change 550 to read: "500 right seat" and "530 for the pilot seat" (if the seat is lower, check that it will not interfere with the rudder cables and the lever 6C3-3. (03/03)
- 5) 7F16-1, change 10 degrees bend on aft flange to 25 degrees (03/03)
- 6) Tunnel: Gusset middle of the page: BEND = 75 degrees.
- 7) Top right diagram: Short L angle riveted to cabin side for seat: Change A4 P40 to 4 RIVETS A4 (03/03)
- 8) 7F16-1A: New part number for the Tunnel Gusset (04/03)

7-F-17 08/02 LANDING GEAR / WING STRUT FITTINGS

7-F-18 08/02 CABIN FRAME

7-F-19 04/03 FORM WINDSHIELD / HINGED UP DOORS

- 1) Location of Snap vent in door window, moved to the front of door instead of in the middle for better airflow on pilot (03/03)
- 2) 7F19-8M Added cabin frame and window to show how the trim is installed (03/03)
- 3) Middle diagram: added 7F19-7D to show that it overhangs past the

Door frame. (03/03)

4) 7F19-6 Door Gusset, qty = 4 to qty=16 (gussets installed on inside and outside of door) (03/03)

5) bottom right diagram: correction change 7F19-1 to 7F19-1A (03/03)

6) 7F19-1 Show the corners cutout to make room for gusset7F3-3SP (03/03)

7) 7 oval head screws P/N SNST18-9 in the Side Windshield Trim 7F19-8M (04/03)

7-L-0 04/02 LANDING GEAR / NOSE GEAR

7-L-1 03/03 NOSE GEAR ASSEMBLY AND STEERING

1) 7L1-2J cotter pins, change AN380-3-3 to AN380-2-2 (03/03)

7-L-2 02/03 MAIN GEAR SPRING AND WHEEL FORK

1) 7L2-4J delete 28 & 21 and axle hole from blank layout. – left bottom diagram: change 270 to 250 for the location of the axle, add 28mm from aft edge to center of axle hole, delete duplicate 55 (11/02)

2) 7L2-1J change bend radius R2-1/4" to R3" (two places) (02/03)

7-C-0 04/02 CONTROL: ASSEMBLY

7-C-1 03/03 CONTROL SYSTEM PARTS

1) Changes to page layout (03/03)

2) 7C1-2 change 30x20 to 30x19 (03/03)

3) 7C1-3 delete 750"OX x .063" 6061-T6 (03/03)

4) 7C1-6, Bolt for top rod end, change AN5-7A to AN5-10A (03/03)

5) Delete note right middle of page: replace with "Lower Rod, add a washer on aft side of lower rod end & bellcrank 7C1-4" (03/03)

6) 7C1-6 length of rod ends, change 415 to 365 and 435 to 395 (03/03)

7-C-2 04/02 PITCH AND AILERON CONTROLS

7-C-3 03/03 FLAPERON CONTROL

1) 7C3-3 correction to description: change "center stick" to FLAP STOP (02/03)

2) Bottom right diagram, change 7C3-1 to 7C3-3

3) 7C3-2 change 690 to 635 to the AN4 bolt (03/03)

4) Bottom diagram location of bungee cord, change 150mm to 20mm from center of L angle to aft face of 7F11-1 (L angle = 40mm long) (03/03)

5) Delete bottom right note middle of page: "The notch in the flaperon..." (03/03)

7-C-4 03/03 RUDDER AND TOE BRAKE PEDALS

1) top right diagram: Rudder Cable Attachment, added R10 (03/03)

2) 7C1-1J Rev 1, master cylinder attachment, top right diagram: delete length = 65, top left detail, added 32mm from center of tube to aft edge of cutout. 1/8" steel plate at top of toe brake pedal, change 12 x 60 to 12x40 (03/03)

3) bottom right diagram: delete 198mm. Installation of master cylinder: top, add 20mm center of toe brake to top bolt, Bottom: 45mm from center of rudder pedal to bottom bolt. Note: adjust the top fitting on master cylinder to bring the master cylinder against the pedal. (03/03)

7-C-5 04/03 FAILEADS & STOPS

- 1) Added new part number: 7C5-1A plastic fairlead Nylon 66 t=1/8" 35x45mm for rudder cables through Front Seat 7F11-1 (04/03)
- 2) 7C5-1, change ATY from 3 to 1 (04/03)
- 3) 7C5-6, change #30 hole to #20 hole
- 4) Top diagram: Rudder 7C5-4 is installed to make contact with the rudder horn 7R2-3 (04/03)

7-C-6 06/02 RUDDER CABLES PULLEY

ENGINE

7-E-1 03/03 ROTAX 912 & 912S ENGINE MOUNT

- 1) Middle diagram: change 291 to 310 (for 912S heavy duty starter) , delete 35mm top diagram, delete 205 (01/03)
- 2) Bottom right diagram: change AN3-6A to AN3-4A bottom engine mount bolts through the stiffener 7F7-5 (01/03)
- 3) 7E1-1 top diagram, change 205 with 200 front bolts to prop plane(03/03)
- 4) 7E1-1 REV 1 new page layout, add distance from firewall to prop plane = 760 through engine mount (03/03)
- 5) top diagram, delete 295 & 279 (02/03)
- 6) Bottom right diagram: bolts, change AN3-6A to Qty = 6, AN3-4A Qty=2 bottom through 7F7-5

7-E-2 02/03 ROTAX 912 & 912S DYNAFOCAL ENGINE MOUNT BRACKETS

- 1) change 15 to 20, delete 41.5 (02/03)
- 2) E2-1X after the part is drilled to the engine mount, cut and radius the ends of the 105mm legs (02/03)

7-E-3 04/03 ROTAX OIL TANK BRACKETS

- 1) Repositioned of oil reservoir: change 165 to 190mm, 7E3-2R small flange points towards the center line of the reservoir: distance to rivet lines, 135 & 235mm (04/03)
- 2) 7R3-1R change direction of FRWD arrow: forward along the 85mm side, 3/4" hole is on the center line along the 120mm side, 40mm back from the front edge. (04/03)
- 3) Top middle diagram: change A4 to A5 (rivets in hose clamp) (04/03)
- 4) Bottom right diagram: Hose clamp to hold the top of the reservoir is riveted to the front flange of Upper Channel 7F7-1SP (redrawn) (04/03)

7-E-4 04/03 PITOT TUBE ASSEMBLY & GASCOLATOR / SHUT-OFF VALVE

- 1) new page layout, moved pitot tube to 7-V-1 (04/03)
- 2) Right diagram: delete distance between grommets in Seat Front 7F11-1, reposition pitot tube on the inboard side of brake line (04/03)

7-E-5 04/03 DUAL THROTTLE / CHOKE

1. Bottom right diagram: Trim the bottom flange of the Vertical Top Channel 7F7-3 to make room for the Bellcrank 7E5-1. Check that the Bellcrank is behind the Stop Plate 7L1-5J
2. 7E5-6 added location of 3/8" hole, 16mm from the aft edge (04/03)
3. 7F5-5 diagram: move the location of the 3/8" hole closer the back from it present

location in the middle (04/03)

4. 7E5-2, added location of 3/8" hole, 16mm from the back, 12mm up from the bottom. Delete 1-1/2". replace the large radius with a chamfer or straight edge.

(04/03)

5. new page layout, 7E5-3 Rev 1 (05/03)

6. Bottom right, spelling correction: Trim. Upper Channel, change 7F14-1SP to 7F7-1SP (05/03)

7. 7E5-1, bolt change AN3-20A to AN3-20 (05/03)

8. 7E5-1 welded assembly (05/03)

9. 7E5-1 delete cotter pin at end of bellcrank 7E5-1

10. 7E5-2 installed at 120mm from aircraft center line (05/03)8

11. 7E5-3 Rev 1, change length from 285mm to 120mm, Added diagonal L angle from 7E5-3 to the side flange of 7F5-4, Added L angle 100 in corner of 7F5-3 and upper channel 7F7-1SP (05/03)

12. 7E5-3 top flange 25mm, distance between two 1/4" holes = 13mm (04/03)

13. 7E5-4 welded assembly (05/03)

14. 7E5-4A new part number for 30x30 nylon 66 throttle rod bearing (05/03)

15. 7F5-5, change bolt AN3-16A to AN3-15A (05/03)

16. 7E5-6 changed length from 38 to 35mm (04/03)

17. 7E5-7 Rev 1, change 90 degrees to 15 degrees open, installed on Upper channel 7F7-1SP at 100mm from aircraft center line (05/03)

18. 25-0700 added text, drill a 5.1mm hole in the plastic sleeve to insert the cable housing (05/03)

19. 7E5-8 delete part (revision to 7E5-3) (05/03)

20. new page layout (05/03)

OPTIONS

7-ETO-1 04/03 ELECTRIC TRIM TAB OPTION

1) middle diagram: change 110 to 130mm (Servo to center of piano hinge) (03/04)

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

1) Tail light, add: 16AWG (04/03)

7-WTO-1 10/02 WING TANK ACCESS COVER

7-WTO-1 04/03 AUXILIARY WING TANK

1) top left diagram: Auxiliary tank 7-WTO-1-1 is positioned between NR #2 & NR#3 (04/-03)

7-WTO-2 04/03 AUXILIARY FUEL SYSTEM

1) 7-WTO-2-1 add l=80, cl=171 Support 7-WTO-2-2 Added l=50m dl=71 (04/03)

- end revisions -