

January 29, 2001

Dear ZODIAC builder:

Upon inspection of several aircraft, it has come to my attention that some wing splice plates installed in ZODIAC aircraft do not meet the specifications shown on the Zodiac drawings, and that the design tolerance is not met. Check your wing spar splice plates, especially the rear plates, to verify that they are the correct size.

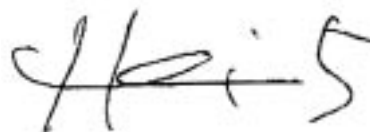
If the size of the splice plates is smaller than the dimensions specified on the drawings, and/or the edge distance of the holes is less than specified, the structural integrity of your aircraft will be affected. While I'm not aware of any spar splice plate failures, take the time to check your splice plates and replace them if required. If the spar splice plates do not meet the specifications the load capabilities of the aircraft (G loads) are diminished, and the fatigue life of the aircraft is reduced.

How to check for correct measurements: Refer to the attached drawing for details.

If you find that your splice plate(s) do not meet the specifications, replace them with new splice plates. Zenith Aircraft Company will send you replacement splice plates (free of charge). Use the attached form to request replacements. The new splice plates will need to be drilled, and will be shipped with instructions.

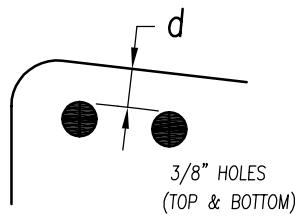
If you have sold your kit or aircraft, please forward this letter to the new owner. I apologize for this inconvenience, but please take the time to verify this and correct the splice plates if required. Contact me if you have any questions regarding this, or contact Zenith Aircraft Company.

Regards,



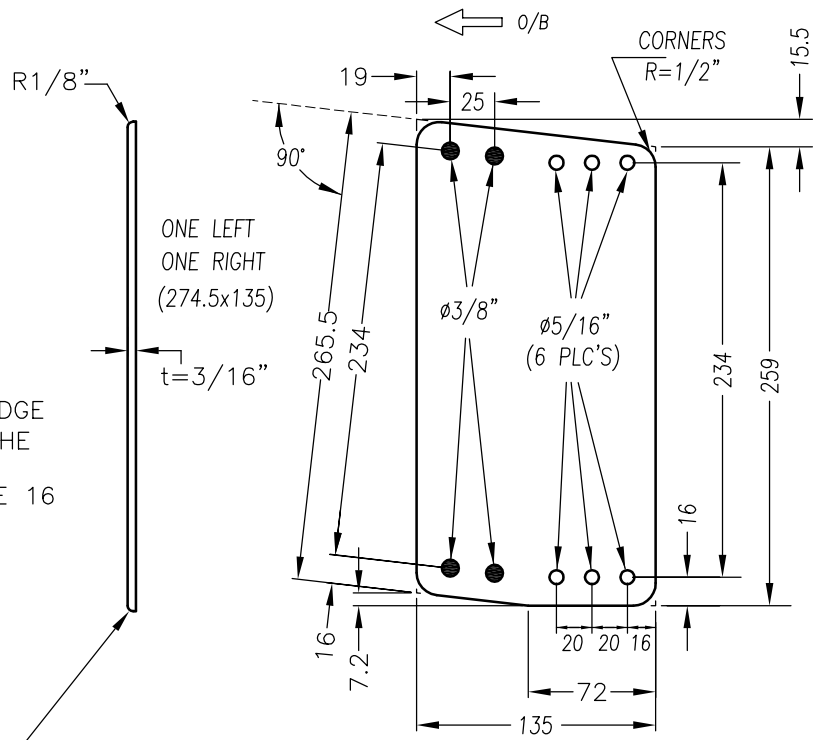
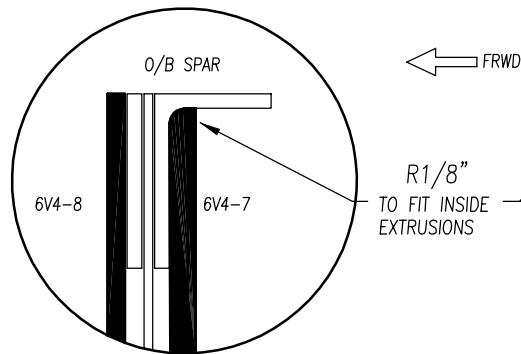
Chris Heintz,
Designer.

Enclosures.



MINIMUM ACCEPTABLE: 10.0mm

DISTANCE "d" IS MEASURED FROM THE EDGE OF THE 3/8" HOLES TO THE EDGE OF THE PLATES 6V4-7, 6V4-7HD AND 6V4-8.
REFERENCE: CONSTRUCTION MANUAL PAGE 16

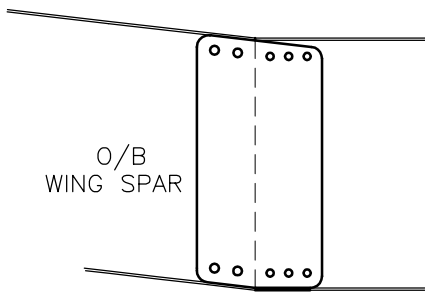


6V4-7 REAR PLATE
6061-T6, t=3/16" (1L + 1R REQ'D)

6V4-7HD REAR PLATE
6061-T6, t=3/16" (1L + 1R REQ'D)

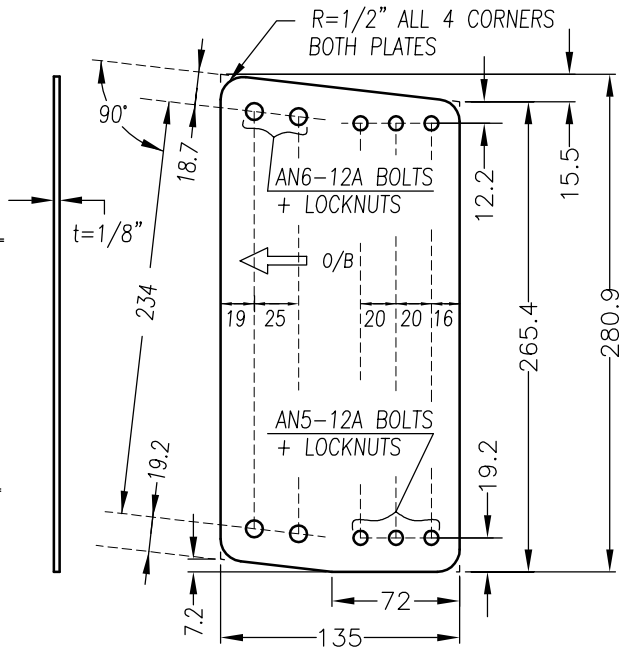
CHECK 1: THE SIZE OF THE PLATES; THE REAR PLATE 6V4-7 JUST FITS INSIDE THE OUTBOARD WING SPAR. THE TOP AND BOTTOM EDGES ARE PARALLEL WITH THE SIDES OF THE SPAR (FRONT & REAR PLATES)

CHECK 2: MEASURE "d" ON THE FRONT AND REAR PLATES TO THE EDGE OF THE EIGHT 3/8" HOLES: TWO UPPER, TWO LOWER - LEFT AND RIGHT SIDES.



CHECK 3: MEASURE THE DISTANCE "d" FROM THE EDGE OF THE 3/8" HOLES DRILLED IN THE OUTBOARD SPAR TO THE INSIDE EDGE OF THE SPAR EXTRUSION.

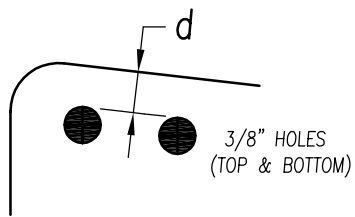
REPLACEMENT PLATES: USE 4130N t=1/8" WHEN THE DISTANCE "d" FALLS WITHIN THE RANGE OF 6mm TO 9.9mm (THE LOCATION OF THE 3/8" HOLES DRILLED IN THE OUTBOARD SPAR CAUSES "d" TO BE LESS THAN 10mm.) STAY WITH 6061-T6 IF "d"=10 OR GREATER.



NOTE: SAME LAYOUT AS 6V4-7 BUT BIGGER ON TOP AND BOTTOM BY 3.2mm REFERENCE: DRWG 6-V-4

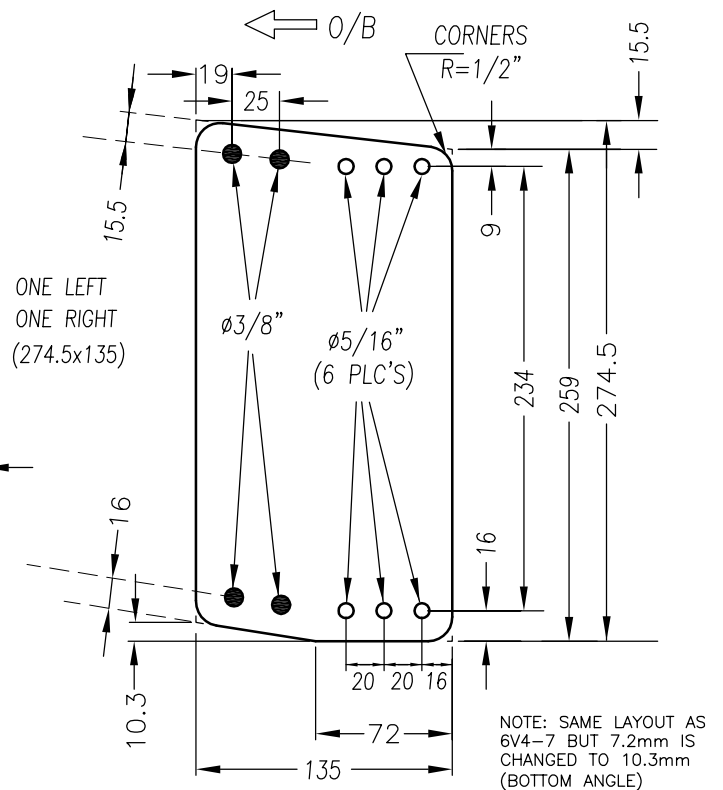
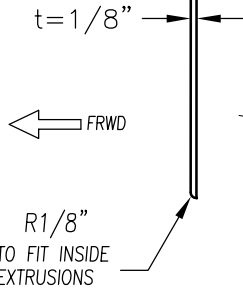
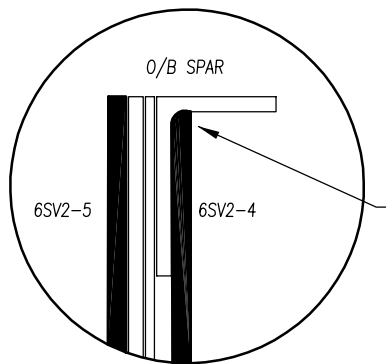
6V4-8 FRONT PLATE
6061-T6, t=1/8" (2 REQ'D)

ZODIAC CH601HD	ORIGINAL INFO 01/25/01	DESCRIPTION	PART NO.
		HD WING SPAR SPLICE PLATES	6V4-7
		COPYRIGHT © 2001 ZENITH AIRCRAFT CO. WWW.ZENITHAIR.COM	



MINIMUM ACCEPTABLE: 10.0mm

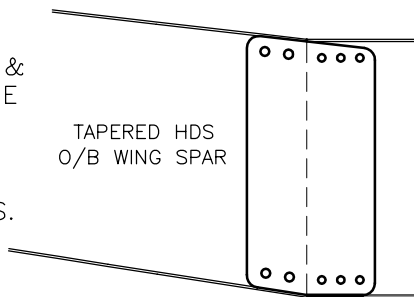
DISTANCE "d" IS MEASURED FROM THE EDGE OF THE 3/8" HOLES TO THE EDGE OF THE PLATES 6SV2-4 AND 6SV2-5
 REFERENCE: 601 CONSTRUCTION MANUAL PAGE 16



6SV2-4 REAR PLATE (REPLACE 6V4-7HD)
 6061-T6, t=1/8" (1L + 1R REQ'D)

CHECK 1: THE SIZE OF THE PLATES; THE REAR PLATE 6SV2-4 JUST FITS INSIDE THE OUTBOARD WING SPAR (THE EDGES RUN PARALELL TO THE SIDES OF THE SPAR).

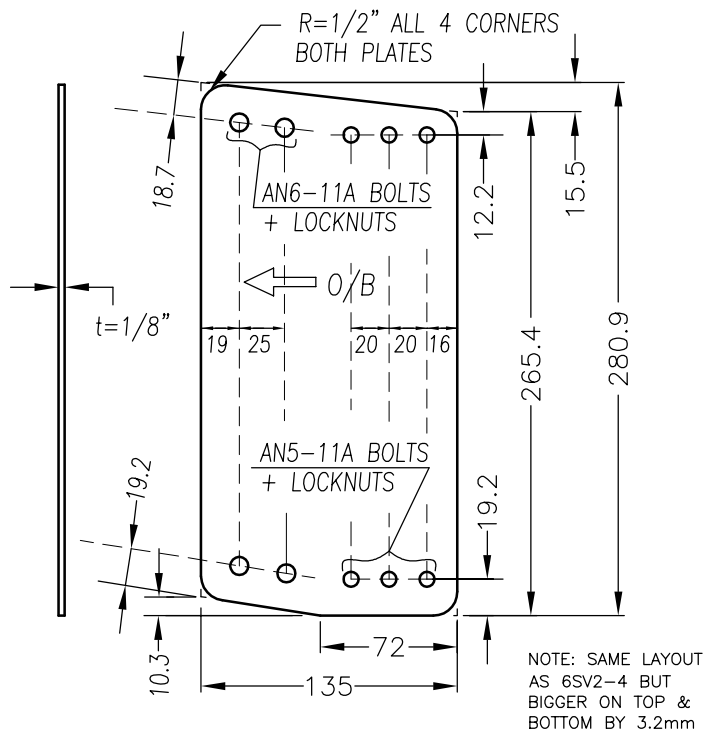
CHECK 2: MEASURE "d" ON THE FRONT & REAR PLATES TO THE EDGE OF THE EIGHT 3/8" HOLES : TWO UPPER, TWO LOWER, LEFT & RIGHT SIDES.



CHECK 3: MEASURE THE DISTANCES "d" FROM THE EDGE OF THE 3/8" HOLES DRILLED IN THE OUTBOARD SPAR TO THE INSIDE EDGE OF THE SPAR EXTRUSION.

REPLACEMENT PLATES: USE 4130N t=1/8" WHEN THE DISTANCE "d" FALLS WITHIN THE RANGE OF 6mm TO 9.9mm (THE LOCATION OF THE 3/8" HOLES DRILLED IN THE OUTBOARD SPAR CAUSES "d" TO BE LESS THAN 10mm.) STAY WITH 6061-T6 IF "d"=10 OR GREATER.

CLARIFICATION: ADDED NEW PART NUMBER 6SV2-5 FOR THE FRONT PLATE TO DISTINGUISH THEM FROM THE REAR PLATES 6SV2-4



6SV2-5 FRONT PLATE (REPLACE 6V4-8)
 6061-T6, t=1/8" (2 REQ'D)

ZODIAC
 CH601HDS

ORIGINAL INFO
 01/25/01

DESCRIPTION



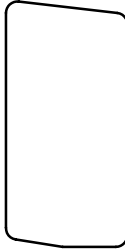
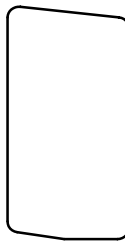
HDS WING SPAR SPLICE PLATES

PART NO.

6SV2-4

ZENITH AIRCRAFT COMPANY

KIT PART REPLACEMENT REQUEST FORM

WING SPAR SPLICE PLATES: See attached drawing to determine which plates are required:	Aluminum Plate Rear Plate: Front Plate:		4130N Steel Plate Rear Plate: Front Plate:	
	 (if 'd' = 10 mm. or greater)		 (if 'd' = 6 to 9.9 mm.)	
Quantity Required:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Zodiac Model: HD HDS UL

Aircraft Serial Number: Date Kit Purchased: _____

Name: _____

Shipping Address: _____

Telephone: _____

E-mail: _____

Fax or mail this form:

**Zenith Aircraft Company
 PO Box 650
 Mexico, MO 65265-0650 USA
 FAX: 573-581-0011**