

# STOL CH 801 WINGS PARTS LIST AND ASSEMBLY INSTRUCTIONS

## SECTION 1

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Parts list - three pages

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# STOL CH 801 WINGS PARTS LIST

## SECTION 1: FLAPERON BRACKET AND REAR RIB SUB ASSEMBLY

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V4-7	FLAPERON ARM	8		
8V1-2	REAR RIBS	4L + 4R		
RIVETS	A5	96	XXXXX	

## SECTION 2: SLAT BRACKET AND NOSE RIB SUB ASSEMBLY

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V1-1	NOSE RIBS	4L + 4R		
8V4-5	SLAT SUPPORT	8		
Std	"L "	1	XXXXX	
RIVETS	A5	48	XXXXX	

## SECTION 3: REAR WING SPAR SUB ASSEMBLY

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V6-2A	I/B REAR CHANNEL	1L + 1R		
8V6-2B	O/B REAR CHANNEL	1L + 1R		
8V6-2C	REAR CHANNEL SPLICE	2		
8V4-3	REAR ROOT DOUBLER	2		
8V4-4	REAR STRUT PICK UP	2		
RIVETS	A5	20	XXXXX	

## SECTION 4: MOUNTING RIBS TO MAIN SPAR

PART #	PART NAME	QTY	SHIPPED	INSTALLED
	MAIN SPAR	1L + 1R		
8V4-1	L.E. ROOT RIB	1L + 1R		
8V4-2	REAR ROOT RIB	1L + 1R		
8V1-2	REAR RIBS	3L + 3R		
8V1-1	NOSE RIBS	3L + 3R		
	FLAPERON BRACKET & REAR RIB SUB ASSEMBLY	4L + 4R	XXXXX	
	SLAT BRACKET & NOSE RIB SUB ASSEMBLY	4L + 4R	XXXXX	
	REAR CHANNEL SUB ASSEMBLY	2	XXXXX	
RIVETS	A5	270	XXXXX	
RIVETS	A6	2	XXXXX	

## SECTION 5: INSTALLING THE REAR SPAR

PART #	PART NAME	QTY	SHIPPED	INSTALLED
	<i>PARTS INCLUDED WITH SECTION 4</i>			

# STOL CH 801 WINGS PARTS LIST (Continued)

## SECTION 6: INSTALLING BOTTOM REAR WING SKIN

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V7-3	I/B BOTTOM REAR SKIN	2		
8V7-3	O/B BOTTOM REAR SKIN	2		
RIVETS	A4	300	XXXXX	

## SECTION 7: INSTALLING THE BOTTOM SECTION OF THE LEADING EDGE SKIN

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V7-1	I/B LEADING EDGE SKIN	2		
8V7-1	O/B LEADING EDGE SKIN	2		
RIVETS	A5	210	XXXXX	
RIVETS	A4	260	XXXXX	

## SECTION 8: INSTALLING THE FORWARD STRUT ATTACH DOUBLER

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V8-1A	FRONT STRUT STIFFENER	2		
8V8-1B	FRONT STRUT DOUBLER	1L + 1R		
RIVETS	A4	34	XXXXX	
RIVETS	A5	14	XXXXX	

## SECTION 9 FITTING THE REAR SKIN

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V7-2	I/B REAR TOP SKIN	2		
8V7-2	O/B REAR TOP SKIN	2		
RIVETS	A5	200	XXXXX	
RIVETS	A4	280	XXXXX	

## SECTION 10: INSTALLING THE TOP PORTION OF THE LEADING EDGE SKIN

PART #	PART NAME	QTY	SHIPPED	INSTALLED
	<i>PARTS INCLUDED WITH SECTION 7</i>			

## SECTION 11: INSTALL FLAPERON AND SLAT BRACKETS

PART #	PART NAME	QTY	SHIPPED	INSTALLED
	<i>PARTS INCLUDED WITH SECTION 1 AND 2</i>			

## SECTION 12: TRAILING EDGE INSTALLATION

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V7-4	TRAILING EDGE	4		
RIVETS	A4	400	XXXXX	

STOL CH 801 WINGS PARTS LIST: Page 2 OF 3

## STOL CH 801 WINGS PARTS LIST (Continued)

### SECTION 13: FUEL TANK INSTALLATION

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V11-1	FUEL TANK	1L + 1R		
8V11-2	WING TANK ANGLE	2		
8V11-3	WING TANK "U" CHANNEL	2		
8V11-4	NYLON PAD	2		
3/8"	FUEL HOSE	1000mm		
	FUEL SENDER	2		
	FUEL FINGER SCREENS	2		
125-6B	COUPLER BARB FITTING	2		
7/8	HOSE CLAMPS	2		
RB243	GROMMET	2		
Std	"L "	1	XXXXX	
RIVETS	A4	68	XXXXX	

### SECTION 14: INSTALLING THE INBOARD WING TIP

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V9-3	ROOT END SKIN	2		
8V9-4	ROOT END ANGLE	2		
RIVETS	A4	140	XXXXX	

### SECTION 15: INSTALLING OUTBOARD WING TIP AND FLAP ATTACH STIFFENER

PART #	PART NAME	QTY	SHIPPED	INSTALLED
8V9-1A	WINGTIP SKIN	1L + 1R		
8V9-1B	WINGTIP ANGLE	2		
8V9-2	FIBERGLASS WINGTIP	1L + 1R		
Std	"L"	1	XXXXX	
RIVETS	A5	24	XXXXX	
RIVETS	A4	220	XXXXX	
Std	"L" for flaperon arms	1	XXXXX	
RIVETS	A5	24	XXXXX	
RIVETS	A4	32	XXXXX	

### HARDWARE SUMMARY

PART #	PART NAME	QTY	SHIPPED	INSTALLED
Std	"L"	4		
RIVETS	A5	906		
RIVETS	A4	1734		
RIVETS	A6	2		

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# STOL CH 801 WING ASSEMBLY

## SECTION 1

### “PREPARING FLAPERON MOUNTING ARM AND REAR RIBS”

#### Compass Check

1. Re-assemble the matched rib and flaperon bracket.
2. Open the 3/32 holes with a #20 drill.
3. Deburr and put the parts aside. No riveting yet!

## Section 1: PREPARING FLAPERON MOUNTING ARM AND REAR RIBS



file V-6

Photo V1-1

This assembly procedure affects ribs at station 1, 3, 5, and 7 only.

The arm, 8V4-7 has been correctly positioned on the rib at the factory.

Both parts have been predrilled with 3/32" diameter holes.

The Rear ribs and flap mounting arms are supplied in matched sets identified by letters or numbers.



file V-33

Photo V1-2

Cleco the matched parts together.



file V-34

Photo V1-3

Open holes with a #20 drill.  
Deburr parts and place aside.  
Riveting is done later when wing skins are being installed.

I have checked my work and parts list and confirm to myself, that all items listed in this portion of the elevator hinge have been installed.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

**Revision List:**

<b>Revision</b>	<b>Summary</b>	<b>Revised By:</b>	<b>Date:</b>
3.0	Reformat	SH	8/12/1999