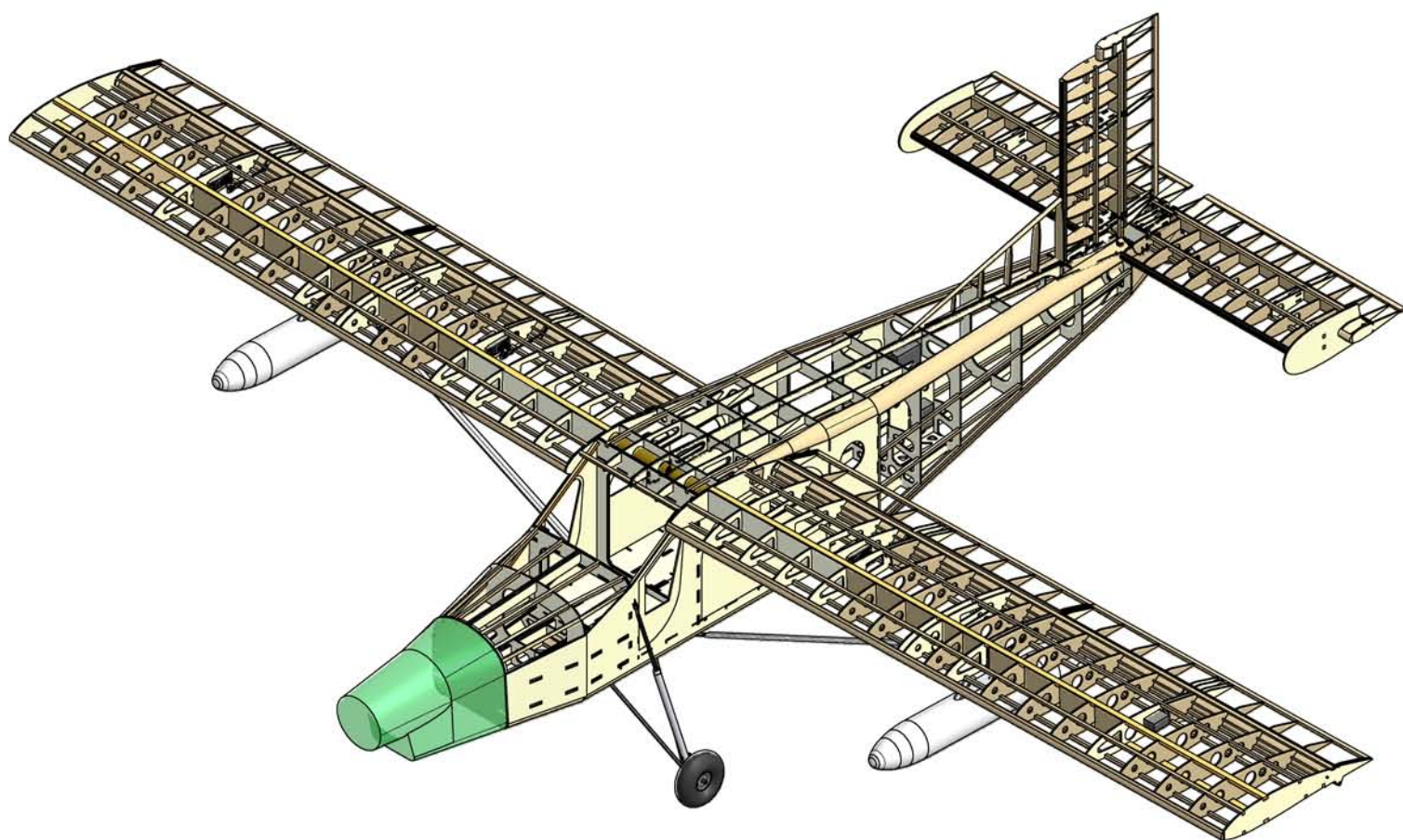


Pilatus PC-6 Turbo Porter

Building Manual



MR Aerodesign
Martin Rousseau



Pilatus PC-6 Turbo Porter

FIN & RUDDER

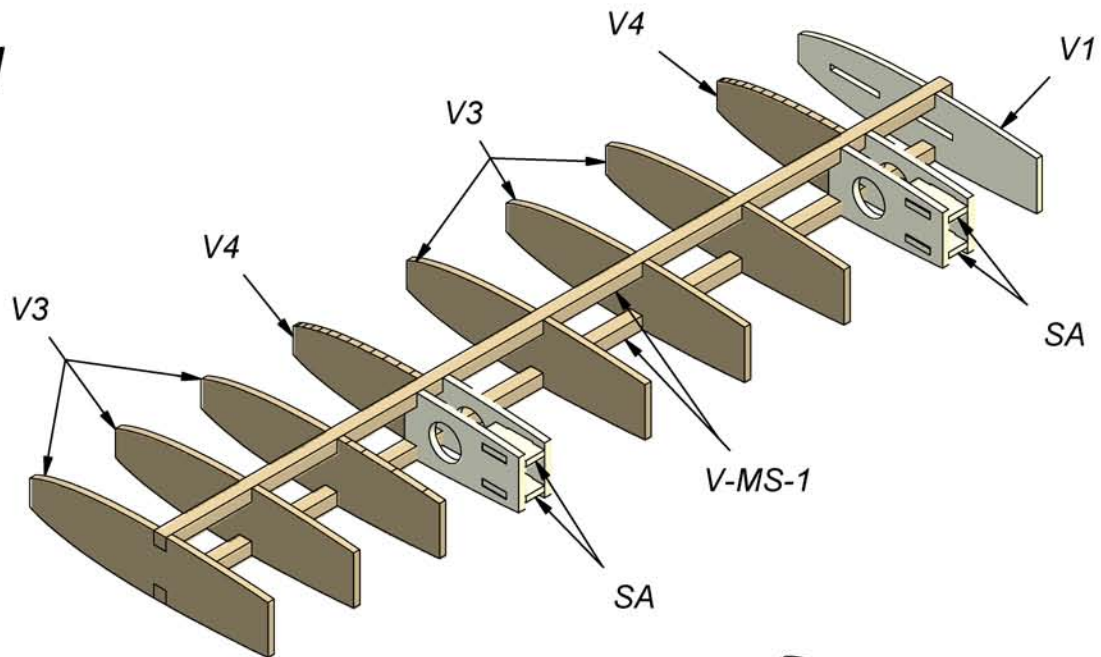
Part list				
Part number	Material	Width	Length	Qty
V1	Lite ply			1
V2	Lite ply			4
V3	Balsa			6
V-LE-1	Balsa	1/2 in	15 13/16 in	1
V-LE-2	Balsa	3/4 in	15 13/16 in	1
V-MS-1	Balsa	1/4 in	16 1/16 in	2
V-TE-1	Balsa	1 in	15 13/16 in	1
V-SH-1	Balsa	3 in	15 13/16 in	2
V-SH-2	Balsa	3 in	15 13/16 in	2
R1-A	Lite ply			1
R1-B	Lite ply			1
R2	Lite ply			4
R3	Balsa			5
R4	Lite ply			2
R-TE-1	Balsa	1/2 in	15 5/8 in	1
R-MS-1	Balsa	1/4 in	16 1/4 in	1
R-MS-1M	Balsa	1/4 in	16 1/4 in	1
R-LE-1	Balsa	1 in	15 1/4 in	1
R-MS-2	Balsa	1/4 in	1 in	2
R-LE-2	Balsa	1 in	1 in	1
SA	Lite ply			4
R-HI-1	Lite ply			4
R-HI-2	Balsa			2
S-BT-2	Brass tube Ø1/4" x Ø9/32"		3/8 in	2
R-BT-1	Brass tube Ø7/32" x Ø1/4"		13 1/16 in	1
R-SH-1	Balsa	4 in	16 1/4 in	1
R-SH-1M	Balsa	4 in	16 1/4 in	1
R-RO-1	4-40 NC threaded rod	3/32 in	2 in	1
DUB557	3/32" E/Z Adjust horn bracket			2
V4	Balsa			2
R-BT-2	Steel rod Ø3/32"	3/32 in	2 in	1
R-BT-3	Brass tube Ø1/4" x Ø9/32"		3/8 in	1
STW0207	Servo Screw #2x9/16"			2



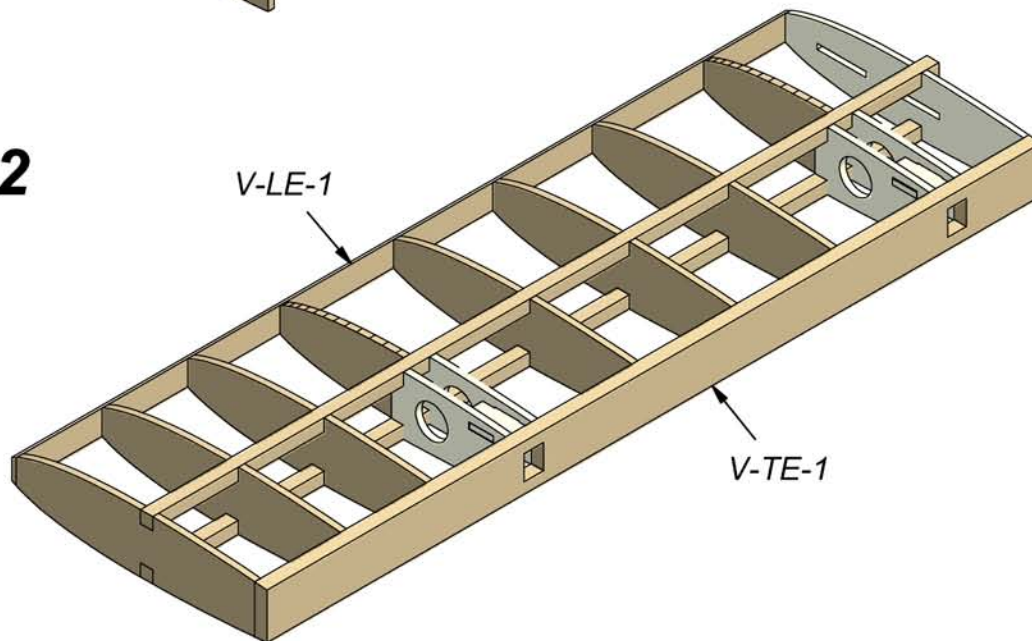
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1

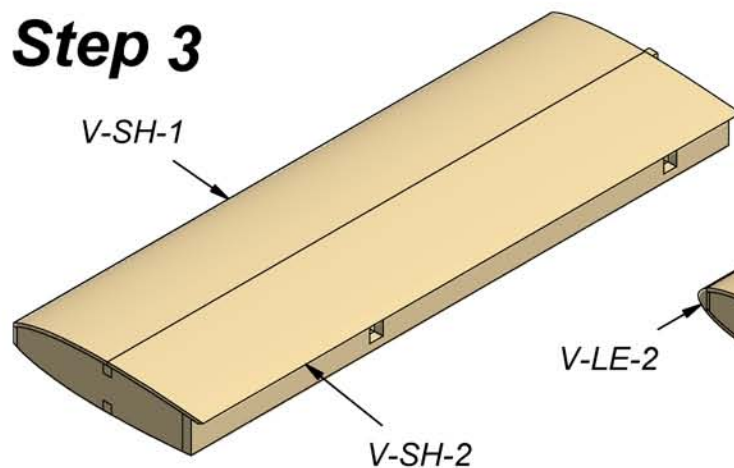
Step 1



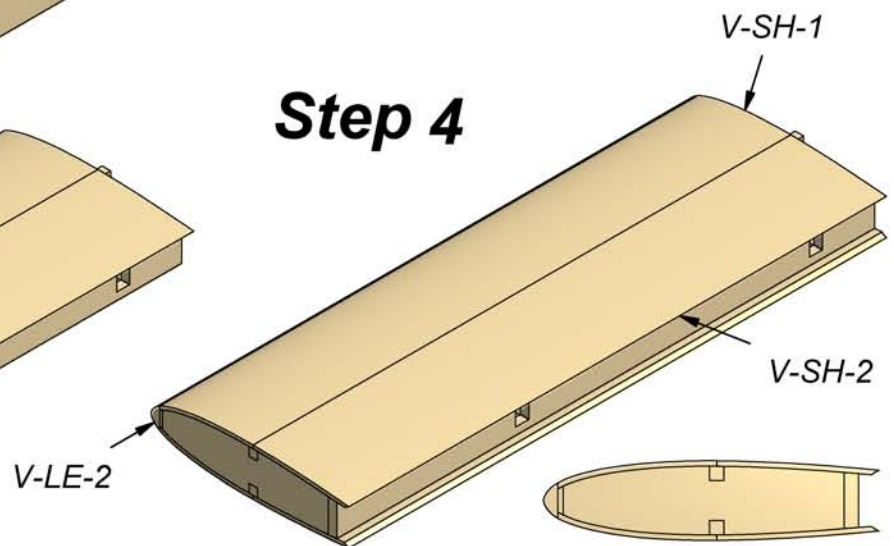
Step 2



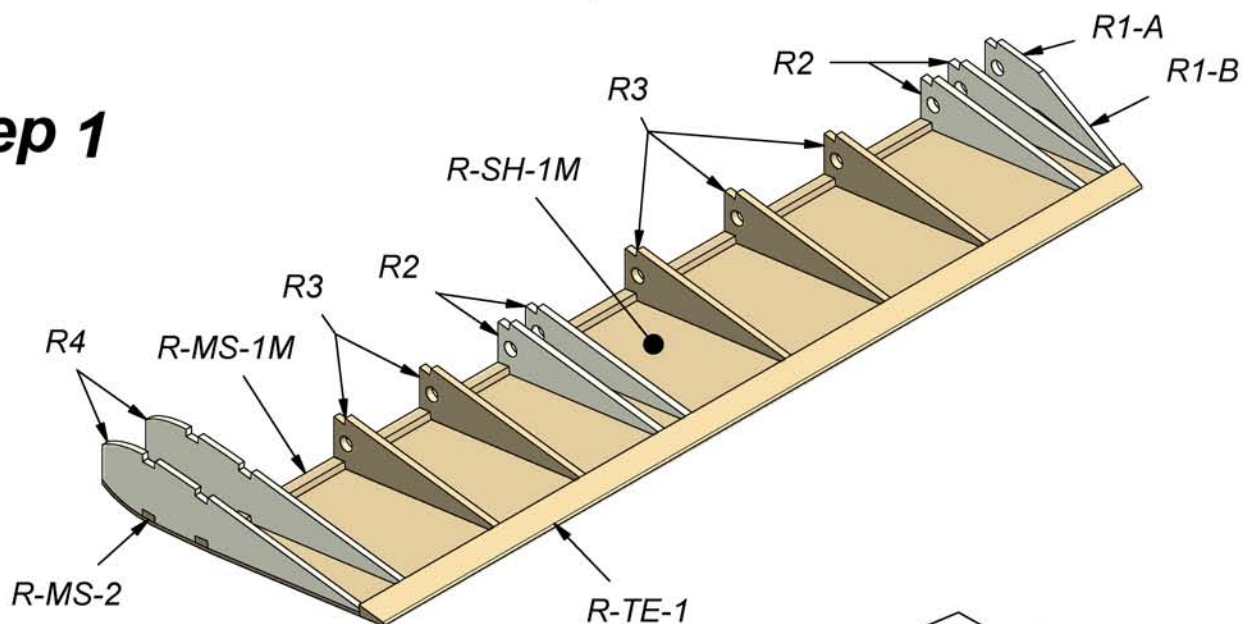
Step 3



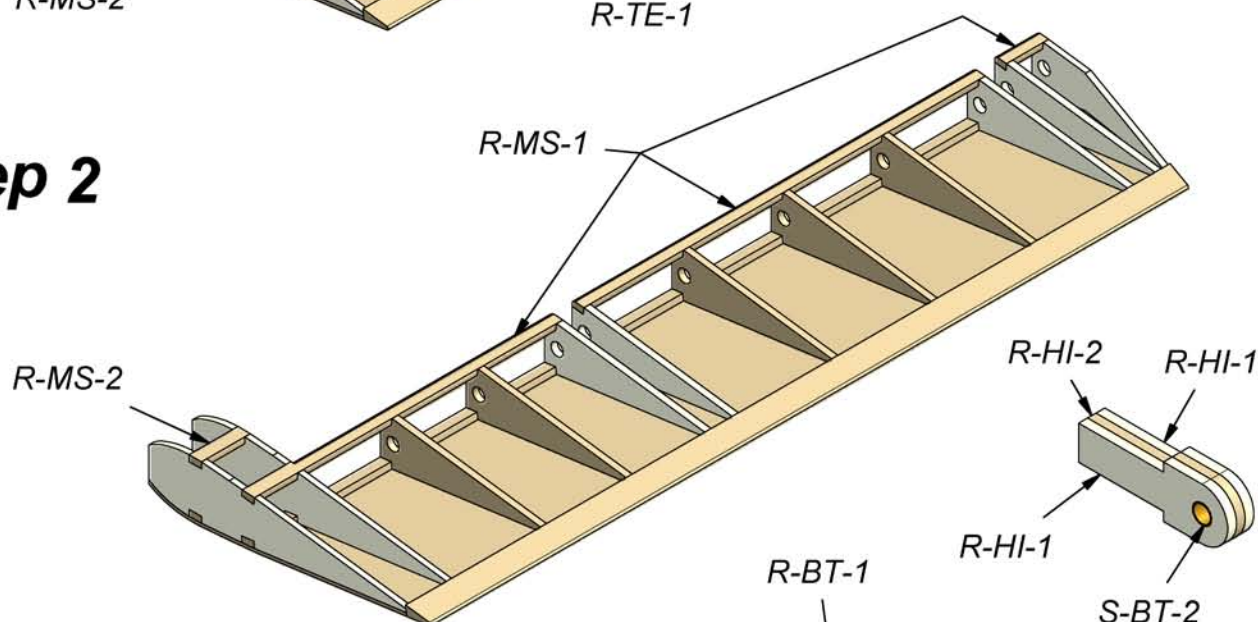
Step 4



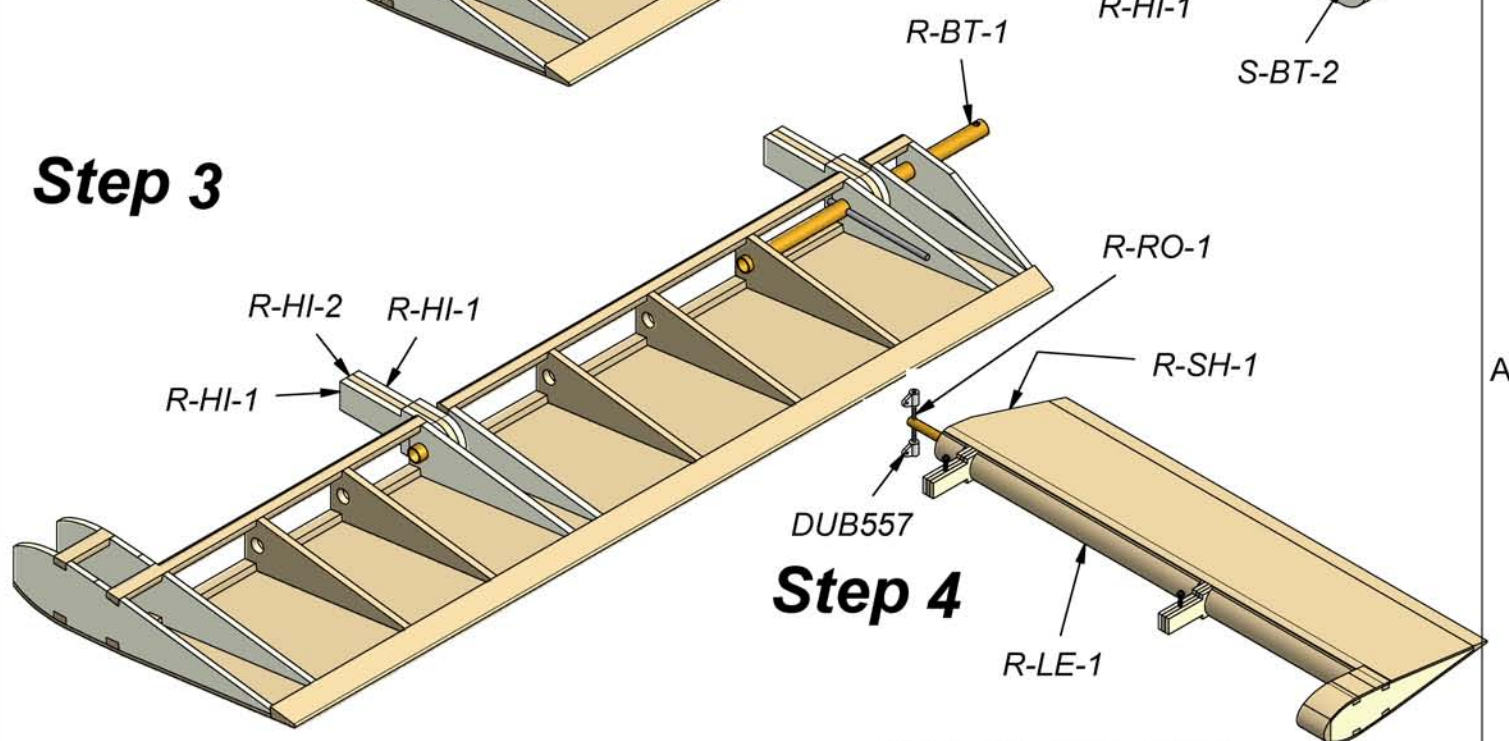
Step 1



Step 2



Step 3



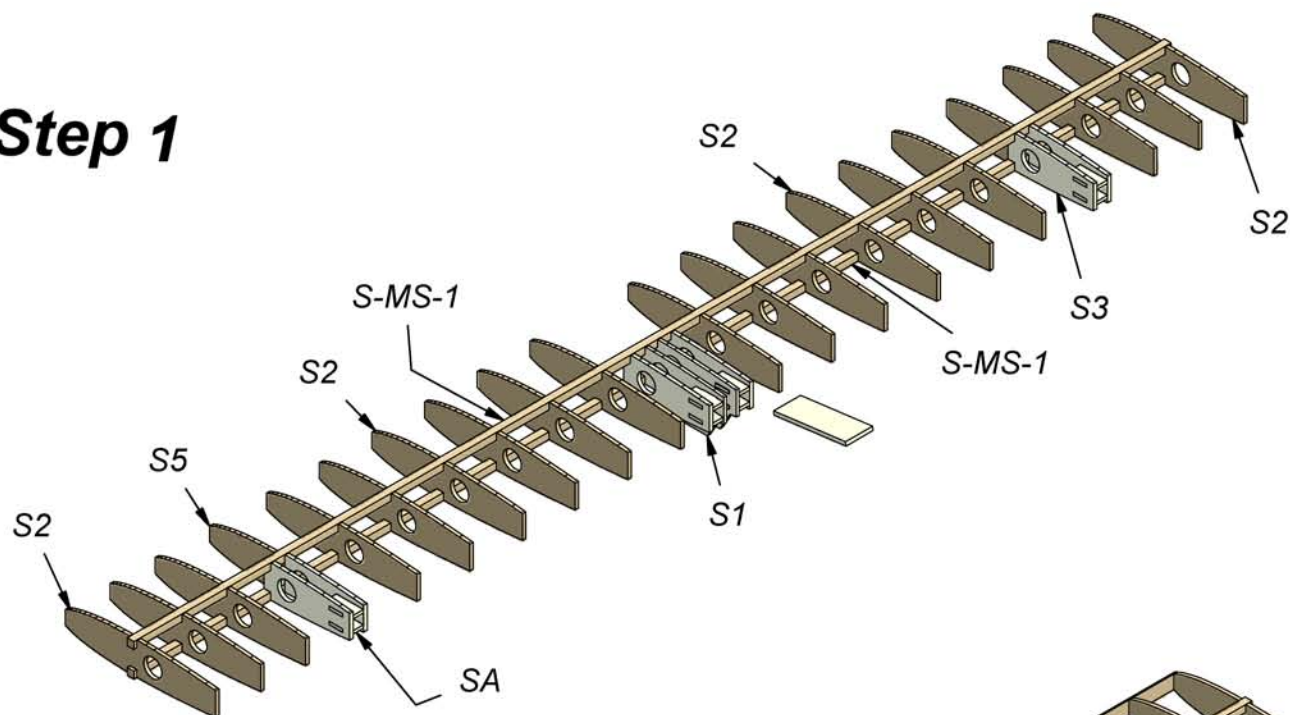
Step 4

Pilatus PC-6 Turbo Porter
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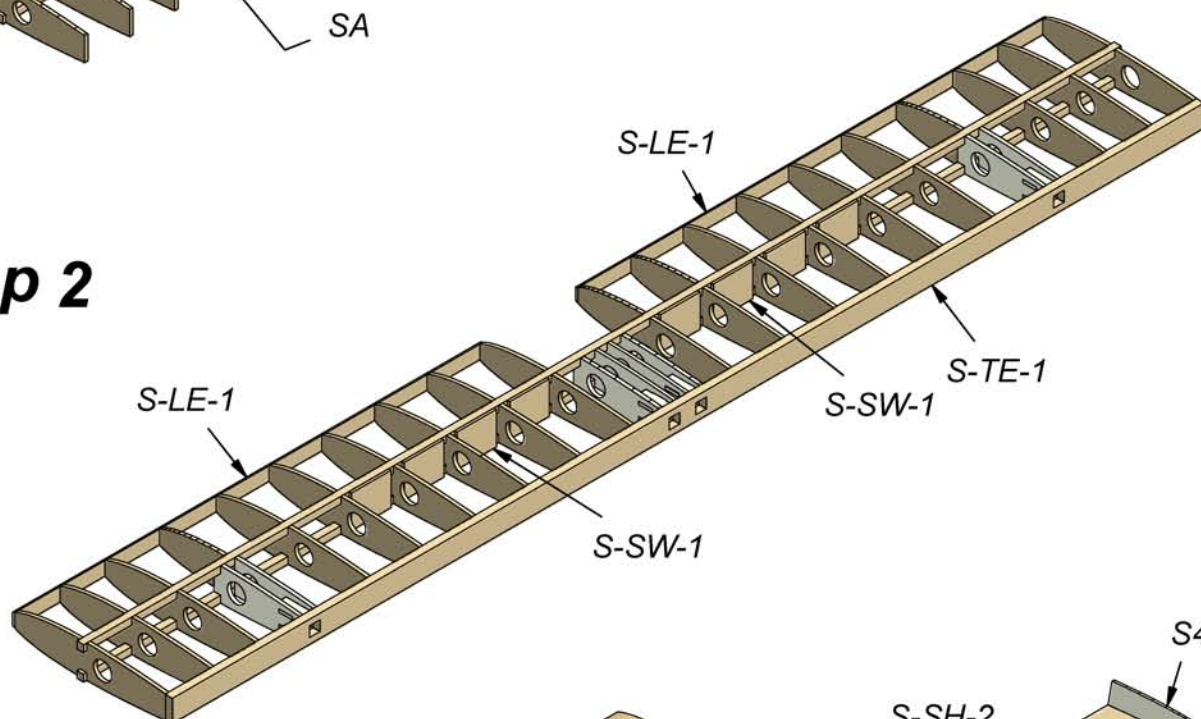
Pilatus PC-6 Turbo Porter Stab & Elevator

Part list				
Part number	Material	Width	Length	Qty
DUB-716				2
E-LE-1	Balsa	1/8 in	19 1/2 in	2
E-LE-1M	Balsa	1/8 in	19 1/2 in	2
E-LE-2	Balsa	3/4 in	1 3/16 in	2
E-LE-3	Balsa	1 in		2
E-SH-1	Balsa	3 1/16 in	19 1/2 in	1
E-SH-1M	Balsa	3 1/16 in	19 1/2 in	1
E-SH-2	Balsa	3 1/16 in	19 1/2 in	1
E-SH-2M	Balsa	3 1/16 in	19 1/2 in	1
E-TE-1	Balsa	1/2 in	19 1/2 in	2
E1	Lite ply			10
E2	Balsa			12
E3	Lite ply			4
E4	PL MS (Taillage)	1 in	2 11/16 in	2
R-BT-3	Brass tube Ø1/4" x Ø9/32"		3/8 in	2
S-BT-1	Brass tube Ø7/32" x Ø1/4"		31 9/16 in	2
S-BT-2	Brass tube Ø1/4" x Ø9/32"		3/8 in	4
S-BT-3	Steel rod		2 in	4
S-HI-1	Lite ply		0 in	8
S-HI-2	Balsa		0 in	4
S-LE-1	Balsa	1/2 in	17 1/4 in	2
S-LE-2	Balsa	3/4 in	17 1/4 in	2
S-MS-1	Balsa	1/4 in	38 3/16 in	2
S-SH-1	Balsa	6 3/16 in	19 in	1
S-SH-2	Balsa	6 3/16 in	19 in	1
S-SW-1	Balsa	1 3/16 in	1 7/16 in	8
S-TE-1	Balsa	1 in	38 in	1
S1	Lite ply			2
S2	Balsa			18
S3	Lite ply			6
S4	Lite ply			2
S5	Balsa			2
SA	Lite ply			8
SB	Lite ply			1
STW0207	Servo Screw #2x9/16"			4

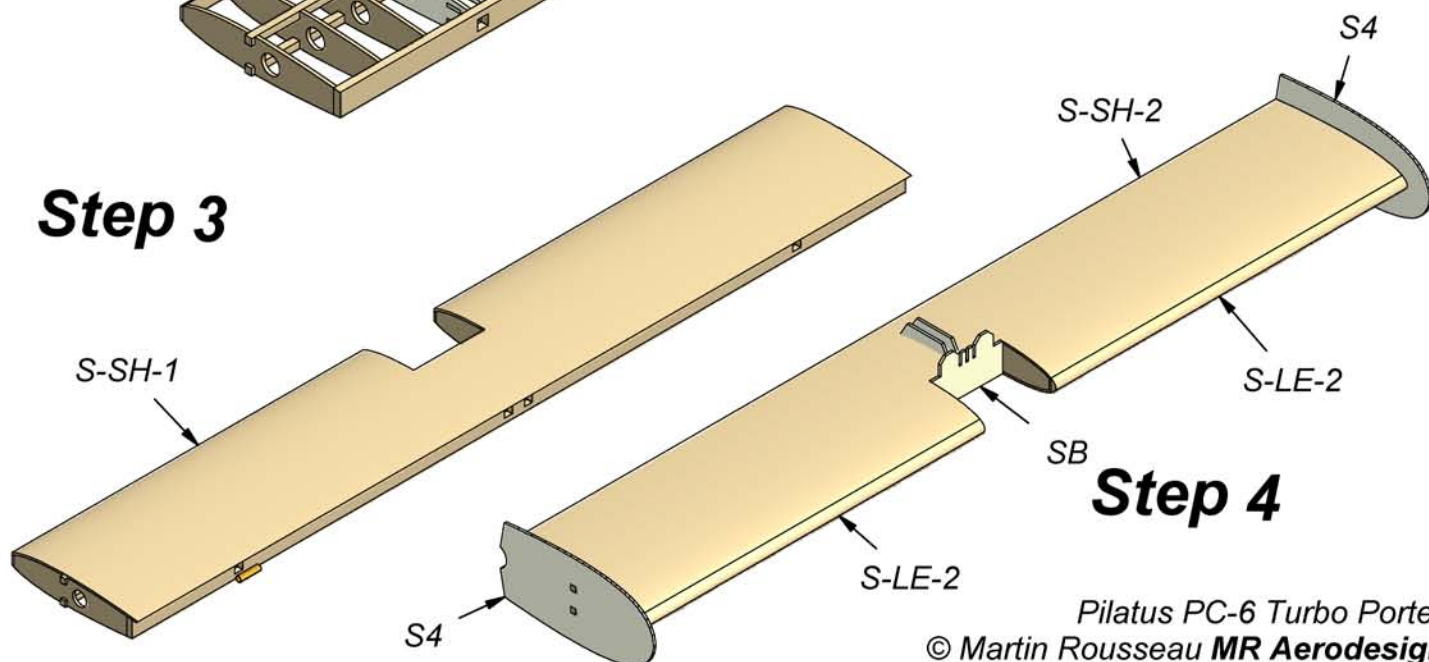
Step 1



Step 2



Step 3



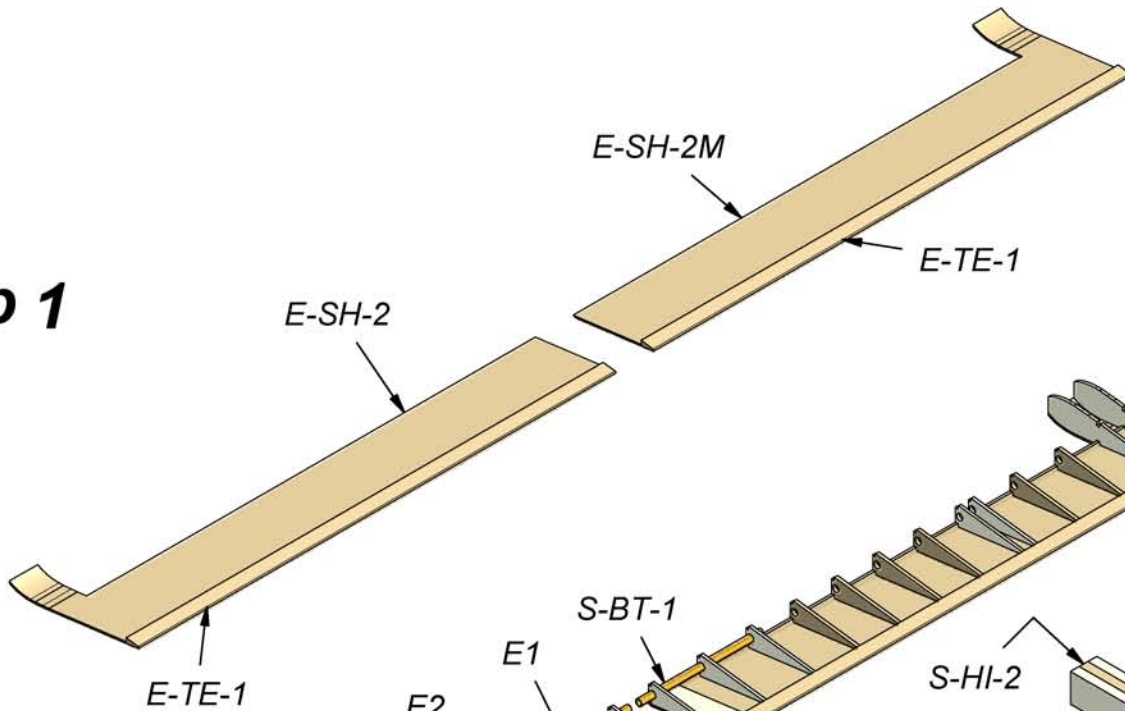
Step 4

Pilatus PC-6 Turbo Porter
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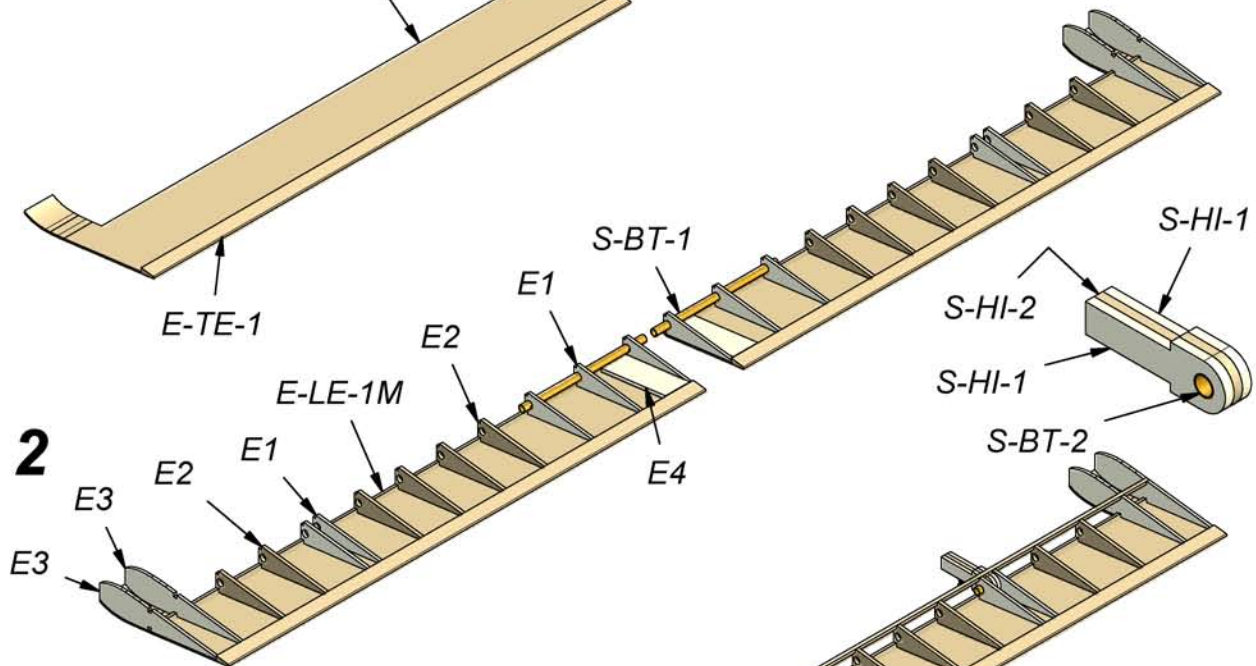
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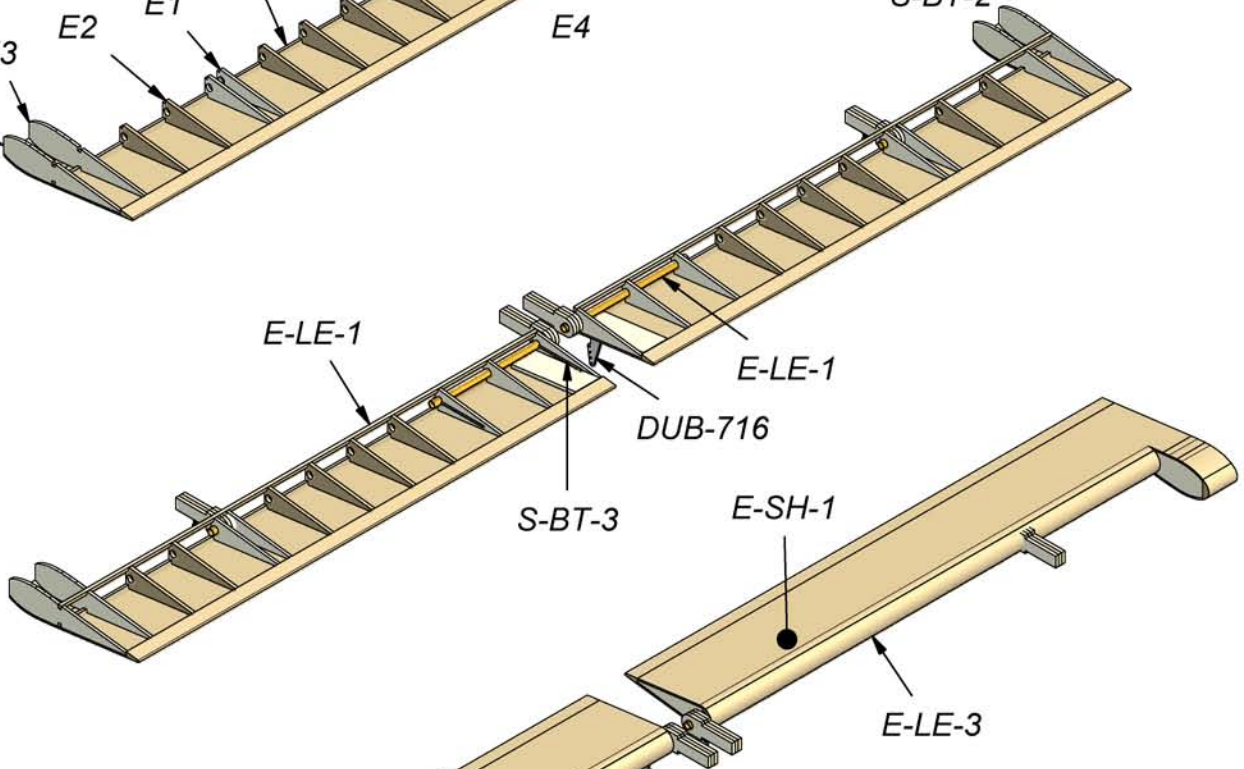
Step 1



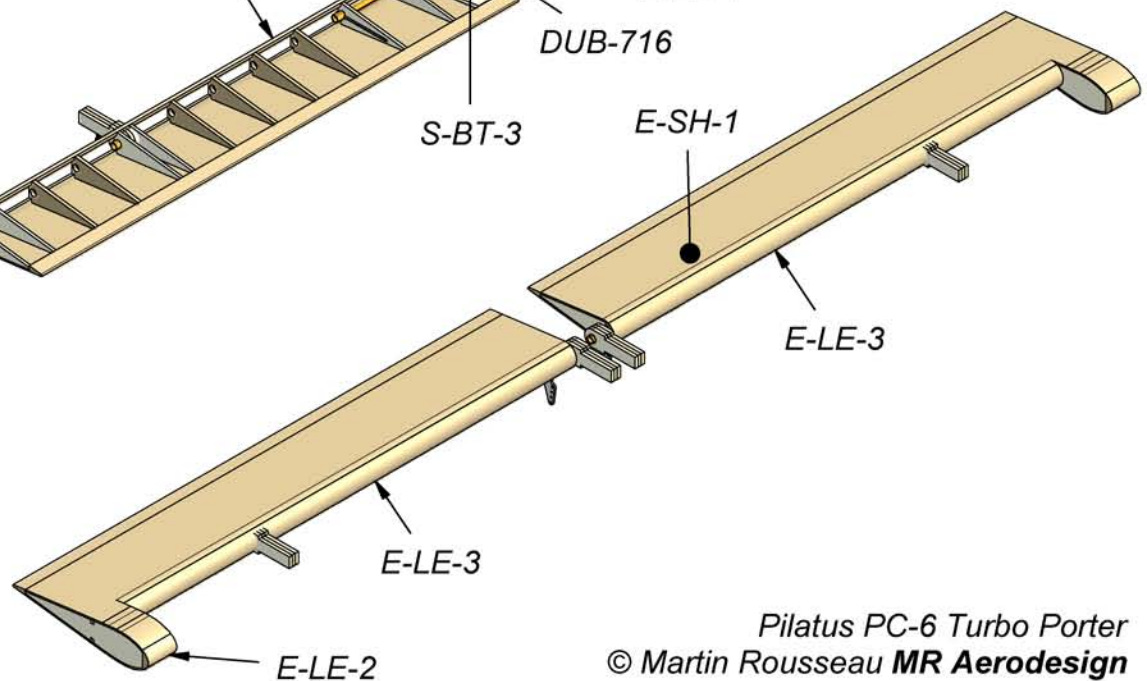
Step 2



Step 3



Step 4



Wing

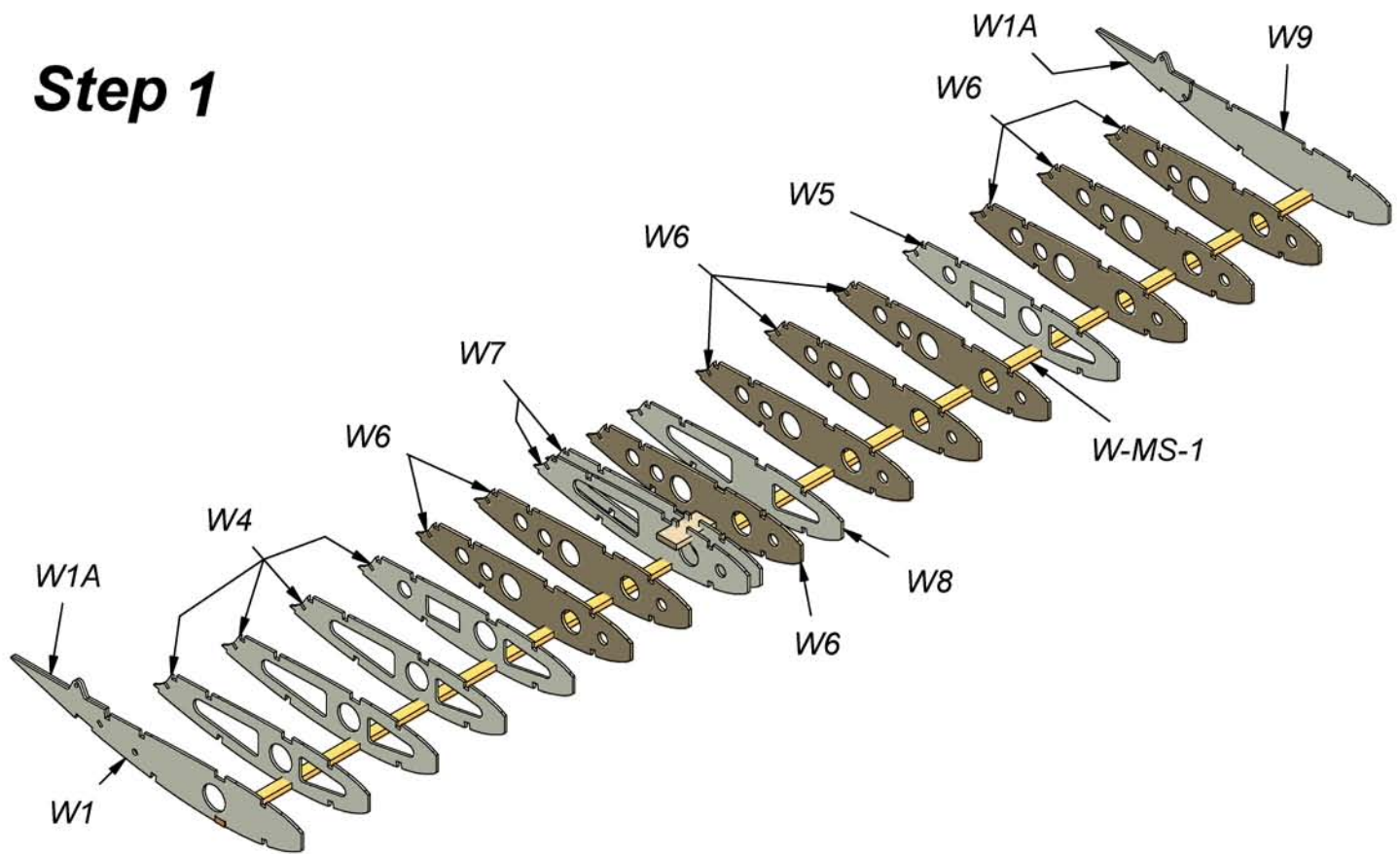
Wing Part list (1 wing only)

Part numbe	Material	Width	Length	Qty
DUB202F	Steel Strap (Du-Bro #202)			1
W-AX-1	Pivot Axle			4
W-AX-2	Pivot Axle			1
W-BL-1	Balsa	1 in	1 in	1
W-BL-2	Plywood	1 in	2 in	1
W-BU-1	Brass tube Ø1/8" x Ø5/32"		1/4 in	9
W-BU-2	Brass tube Ø1/8" x Ø5/32"		1/8 in	4
W-DW-1	Wood dowel		3/4 in	1
W-LE-1	Balsa	3/4 in		1
W-LE-2	Balsa	1 in	55 in	1
W-MS-1	Hardwood	1/2 in		2
W-PI-1	Lite ply			6
W-SH-1	Balsa	4 3/8 in		1
W-SH-2	Balsa	3 7/16 in		1
W-SH-3	Balsa	4 in		1
W-SH-4	Balsa	4 1/4 in		1
W-SH-5	Balsa	4 in		1
W-SH-6	Balsa	1 7/8 in		1
W-SH-7	Balsa	2 in		1
W-ST-1	Balsa	1/4 in		5
W-SW-1	Lite Ply		0 in	1
W-SW-2	Lite ply			3
W-SW-3	Balsa	2 13/16 in	2 3/16 in	7
W-SW-4	Balsa	1 15/16 in	2 3/16 in	2
W-TE-1	Balsa	1/4 in		1
W-TE-2	Balsa	1/2 in		1
W-TR-1	Balsa triangle	1/4 in	1 in	4
W-TU-1	Phenolic tube Ø1" x Ø1 1/8"		14 5/16 in	1
W-WS-1	Hardwood	1/2 in	1 1/2 in	1
W1	Lite ply			1
W1A	Lite ply			2
W2	Lite ply			1
W3	Lite ply			1
W4	Lite ply			1
W5	Lite ply			2
W5B	Balsa			2
W6	Balsa			9
W7	Lite ply			2
W8	Lite ply			1
W8B	Balsa			1
W9	Lite ply			1

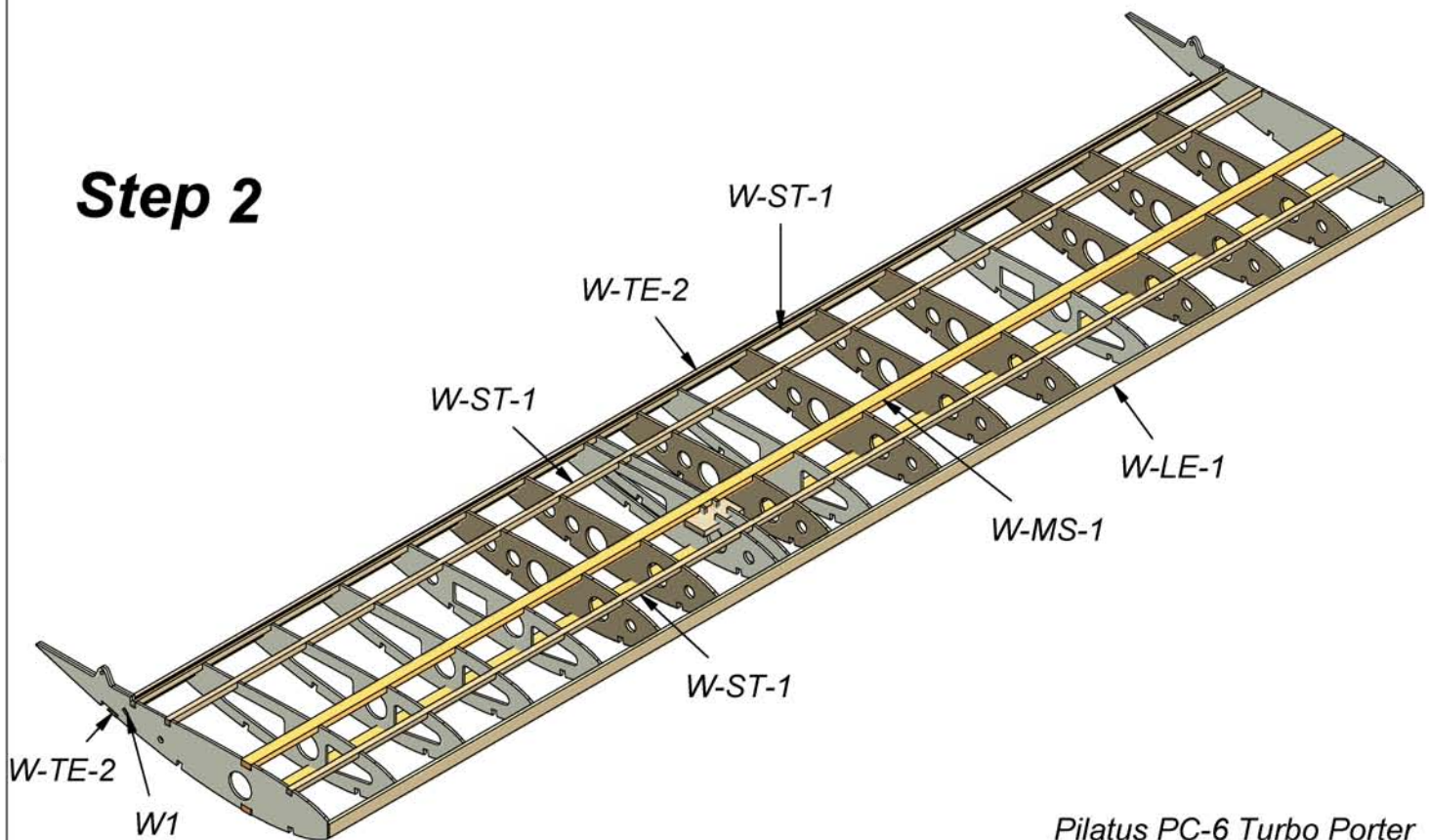
2

1

Step 1



Step 2

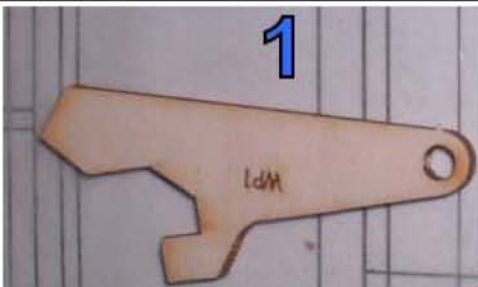


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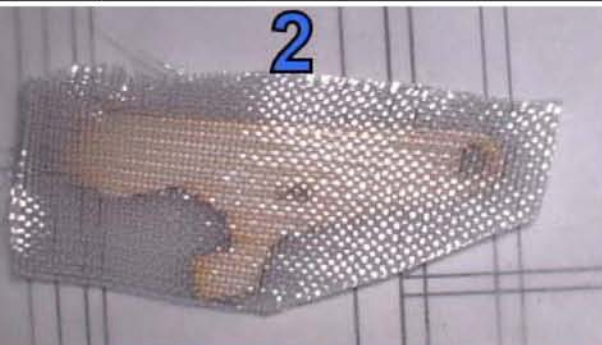


1

1



2



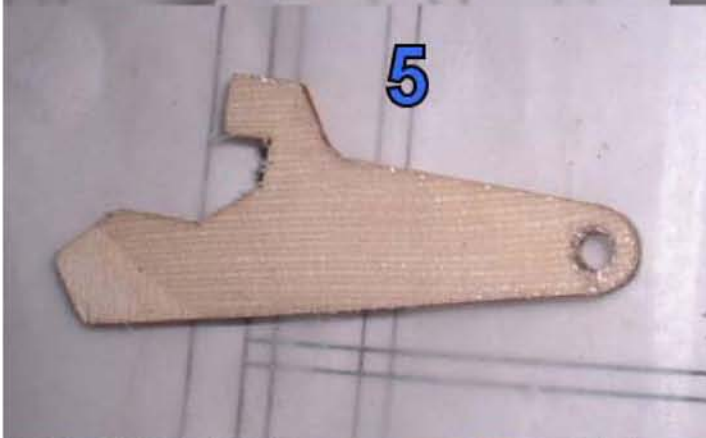
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4



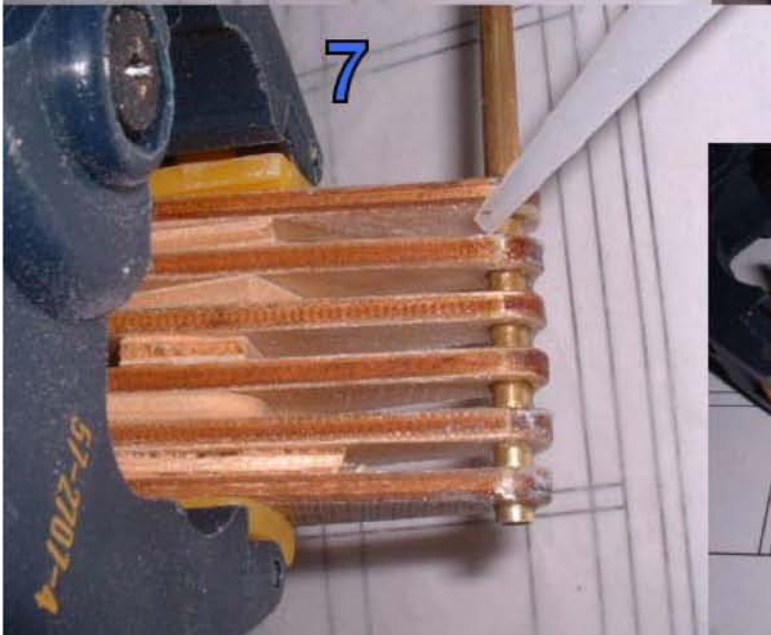
5



6



7



8



2



1

B

B



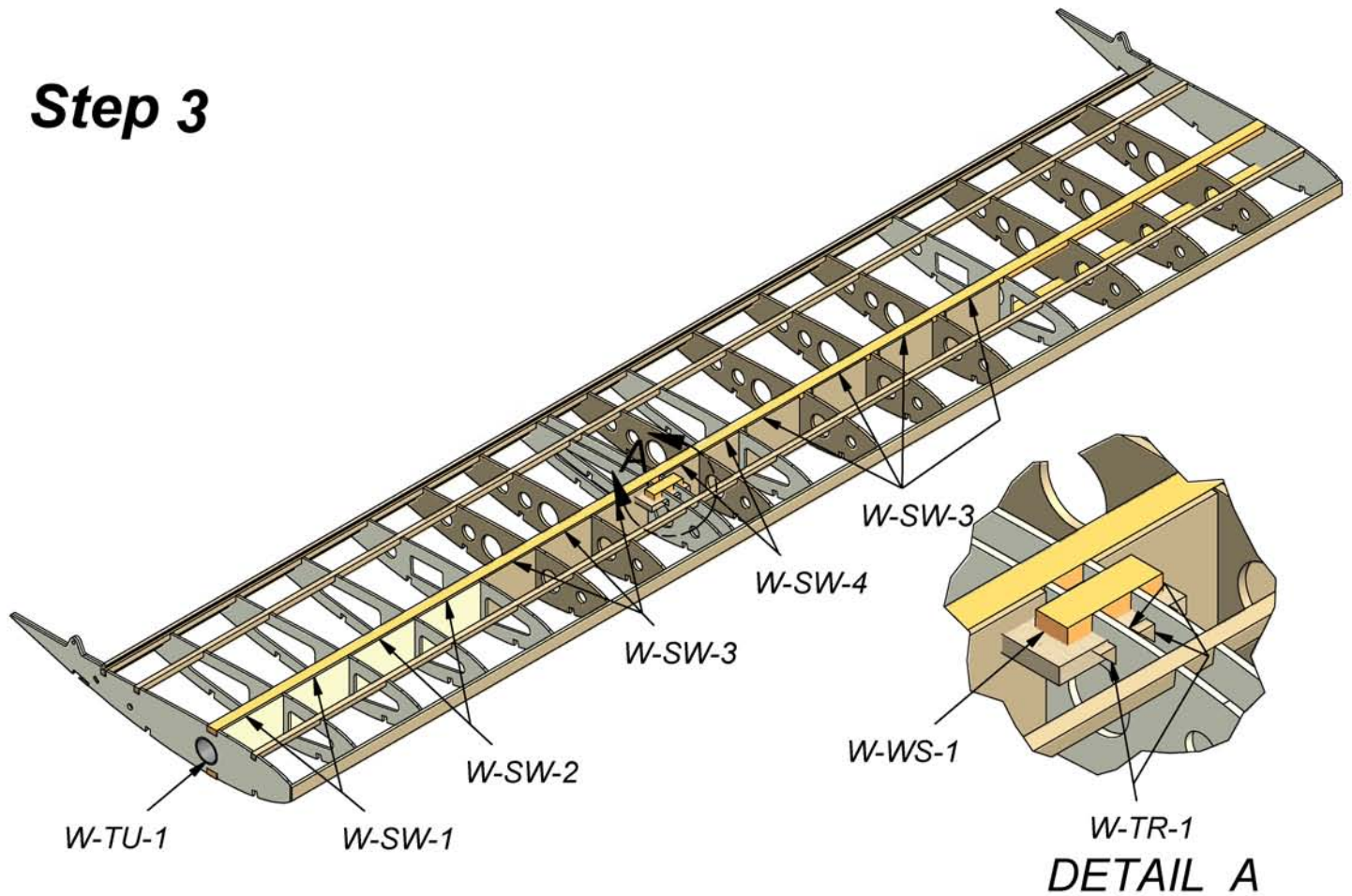
A

A

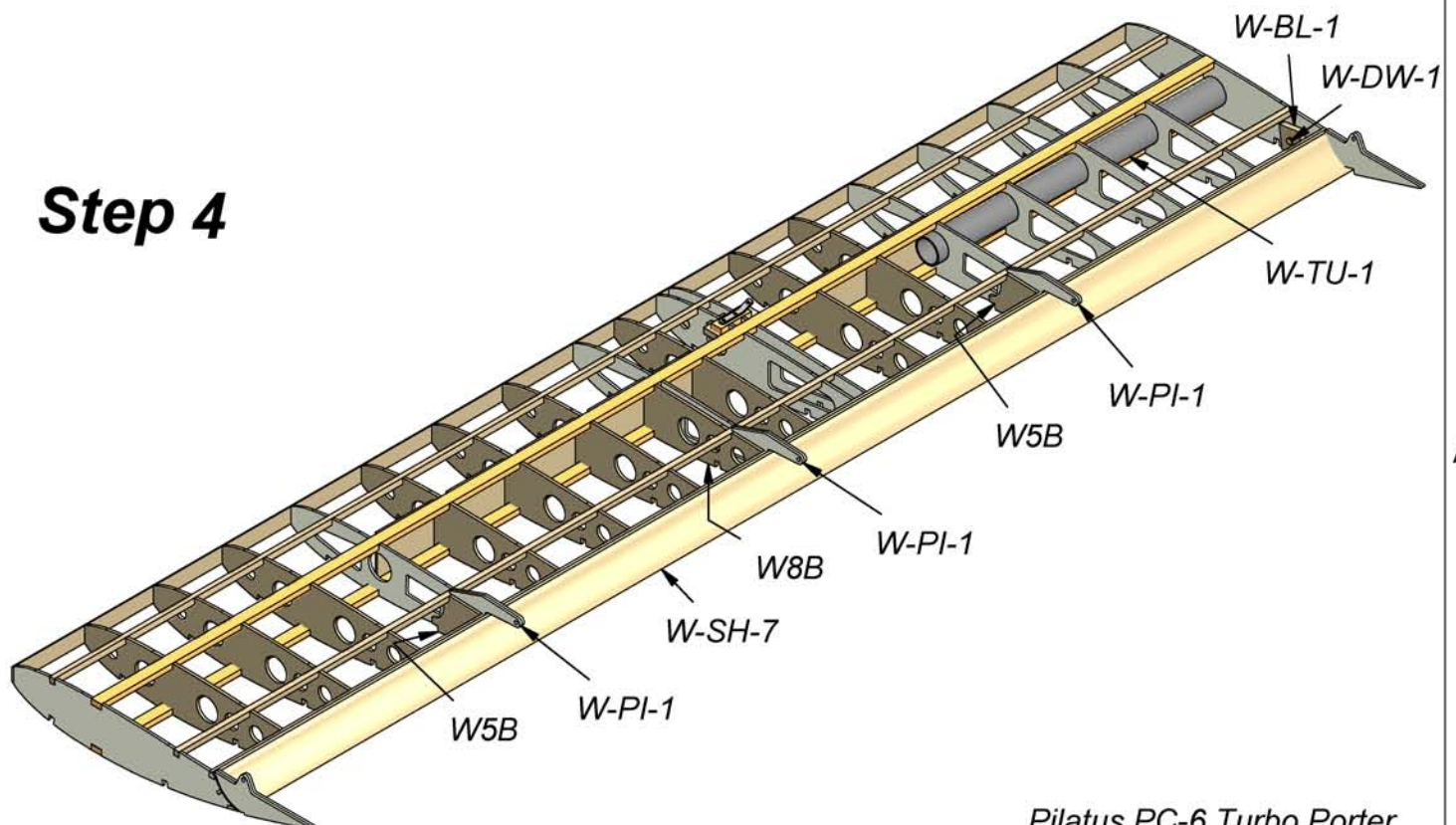
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Step 3



Step 4



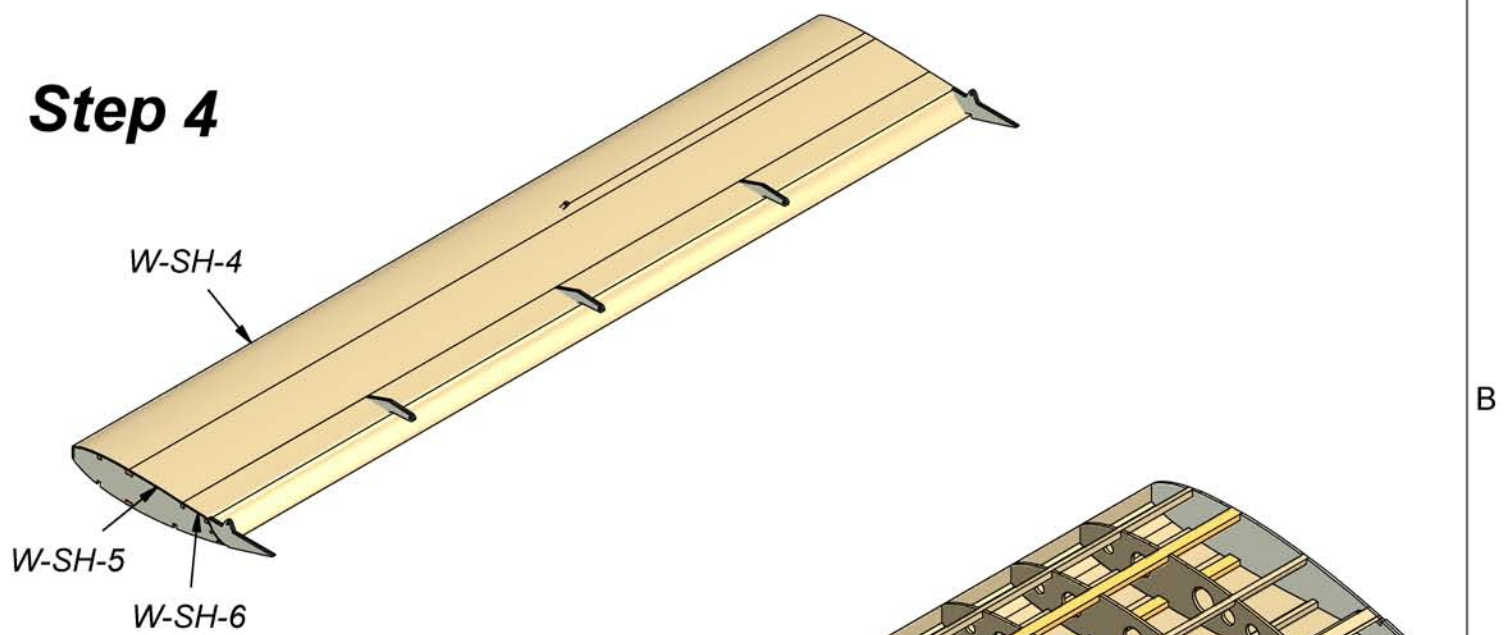
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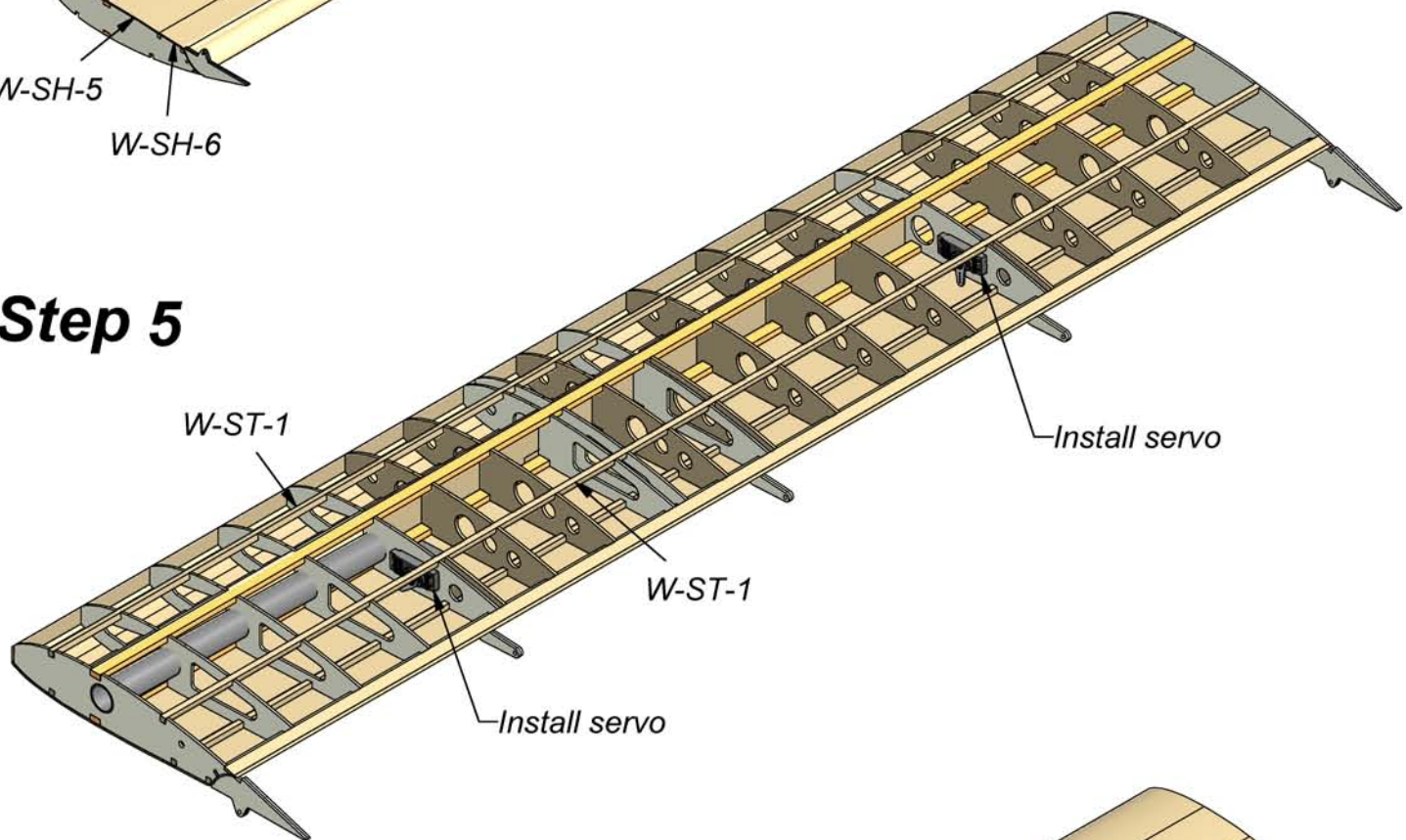
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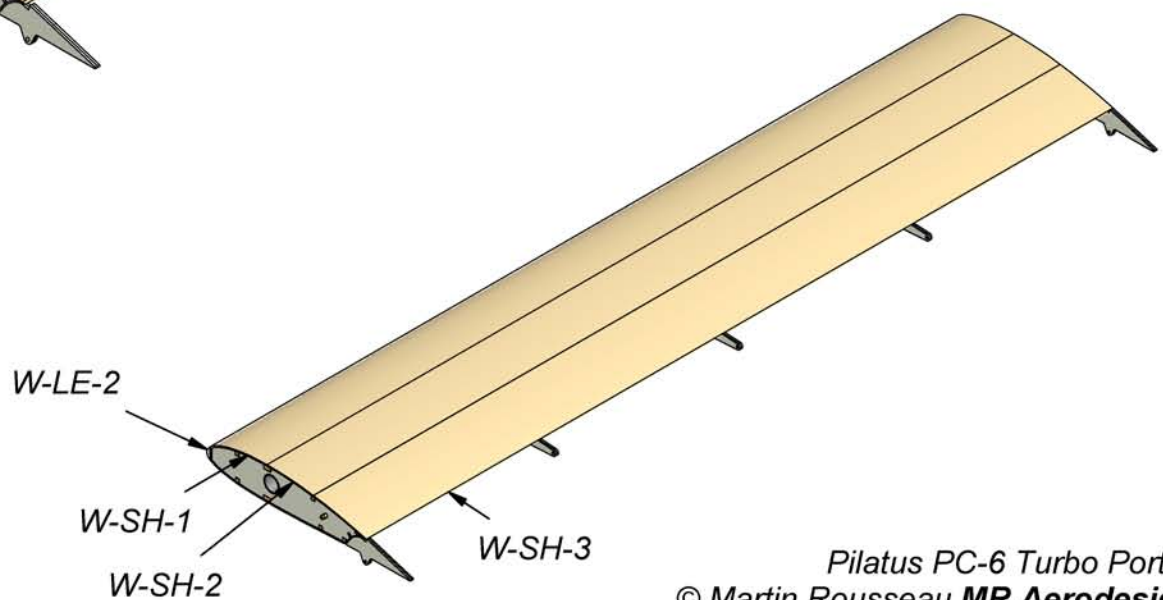
Step 4



Step 5



Step 6

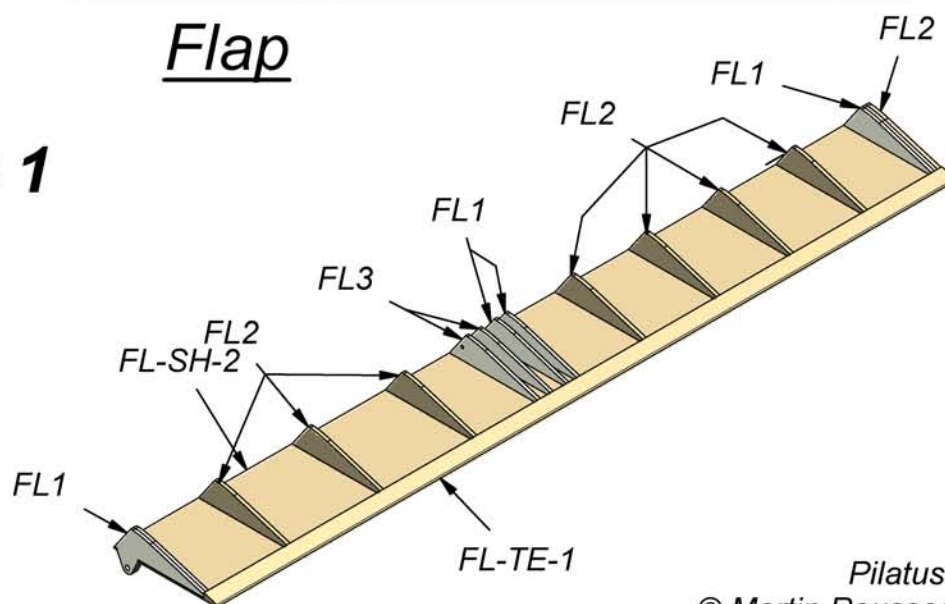


Pilatus PC-6 Turbo Porter Flap & Aileron

Part list				
Part number	Material	Width	Length	Qty
FL1	Lite ply			6
FL2	Balsa			8
FL3	Lite ply			2
FL-LE-1	Balsa	1 1/4 in	14 3/8 in	1
FL-LE-2	Balsa	1 1/4 in	12 7/16 in	1
FL-LE-3	Balsa	1 1/2 in	14 3/8 in	1
FL-LE-4	Balsa	1 1/2 in	12 7/16 in	1
FL-TE-1	Balsa	1/2 in		1
FL-SH-1	Balsa	3 in	27 3/16 in	1
FL-SH-2	Balsa	4 in	27 3/16 in	1
A1	Lite ply			6
A2	Balsa			7
A3	Lite ply			2
A-LE-1	Balsa	1 1/8 in	12 11/16 in	1
A-LE-2	Balsa	1 1/8 in	12 11/16 in	1
A-TE-1	Balsa	1/2 in	27 3/16 in	1
A-MS-1	Balsa	1/4 in	27 3/16 in	1
A-SH-1	Balsa	3 1/2 in	27 3/16 in	1
A-SH-2	Balsa	4 in	27 3/16 in	1
W-BL-2	Plywood	1 in	2 in	1

Flap

Step 1



Pilatus PC-6 Turbo Porter
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2

1

Flap

FL-SH-1

Step 3

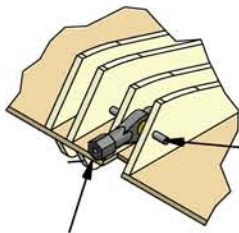
FL-LE-1

FL-LE-2

Step 2

B

B



Axle-1

DU-BRO-2136

DETAIL A

Aileron

A-SH-1

Step 3

A-LE-2

A-LE-1

Step 2

A1

A-TE-1

A2

A1

A3

A2

A1

A-SH-2

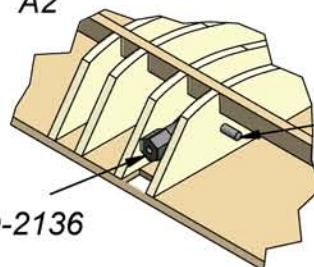
A-MS-1

Step 1

A

A

A2



Axle-1

DU-BRO-2136

DETAIL B

Pilatus PC-6 Turbo Porter
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2

1

Fuselage

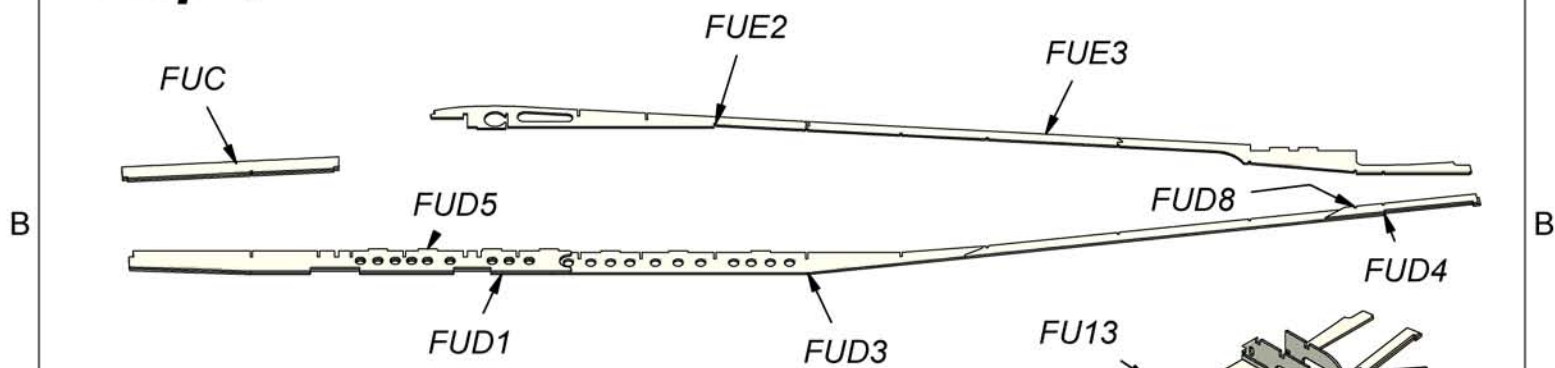
Fuselage Part list

Fuselage Part list

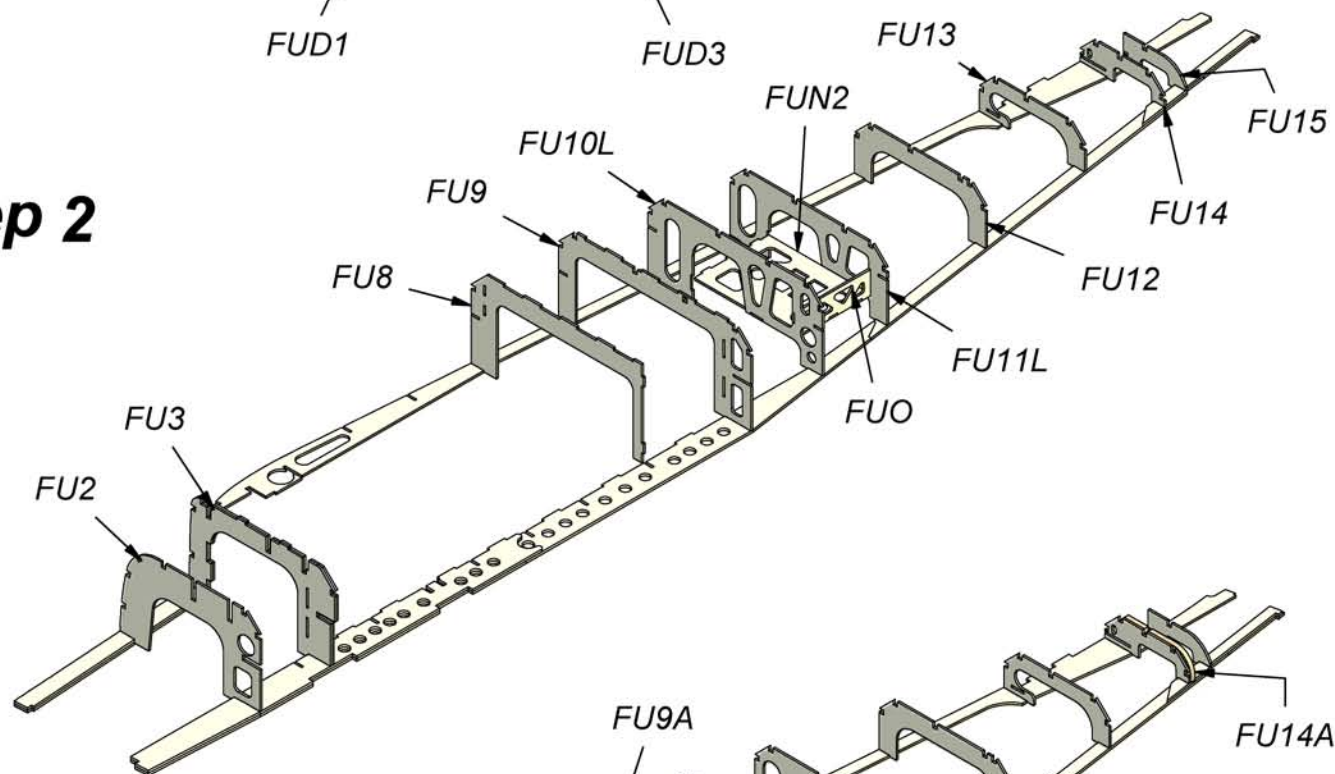
Part number	Material	Width	Length	Qty	Part number	Material	Width	Length	Qty
FU2	Lite ply			2	FU-ST-06M	Balsa	1/4 in	6 7/16 in	1
FU3	Lite ply			4	FU-ST-09M	Balsa	1/4 in	29 1/8 in	1
FUA	Lite Ply			2	FU-BB-02	Balsa	1 1/2 in	29 1/16 in	2
FU5	Lite ply			4	FU-ST-11M	Balsa	1/4 in	17 15/16 in	1
FU6	Lite ply			2	FU-ST-12M	Balsa	1/4 in	36 9/16 in	1
FU5C	Balsa			4	FU-ST-13M	Balsa	1/4 in	28 7/8 in	1
FU5D	Balsa			6	FU-ST-14M	Balsa	1/4 in	28 7/8 in	1
FU5B	Lite ply			12	FU-ST-15M	Balsa	1/4 in	17 15/16 in	1
FUD1	Lite ply			3	FU-SH-01	Balsa	5 7/32 in	6 11/16 in	1
FU-ST-01	Balsa	1/4 in	11 5/16 in	1	FU-SH-02	Balsa			1
FU9	Lite ply			2	FU-SH-03	Balsa	8 1/8 in	35 3/4 in	1
FU10L	Lite ply			1	FU-SH-04	Balsa	8 1/8 in	28 3/4 in	1
FUQ	Lite ply			2	FU-SH-05	Balsa	9 5/8 in	28 5/8 in	1
FU11L	Lite ply			1	FU-SH-06	Balsa	10 1/32 in	42 3/4 in	1
FUO	Lite ply			1	FU-BB-01	Balsa	1 1/2 in	6 3/8 in	1
FU12	Lite ply			2	FU-BB-04	Balsa	1 1/2 in	28 3/4 in	1
FU13	Lite ply			2	FU14A	Balsa			2
FU14	Lite ply			2	FU-BB-05	Balsa	1 1/2 in	14 7/8 in	1
FUC	Lite ply			3	FU-SH-07	Balsa		6 5/8 in	1
FUD3	Lite ply			1	FU-SH-08	Balsa	2 17/32 in	5 1/2 in	1
FU7A	Lite ply			1	FU-SH-01M	Balsa	5 7/32 in	6 11/16 in	1
FU7B	Lite ply			1	FUM	Lite ply			1
FUB	Lite ply			8	FU-BB-01M	Balsa	1 1/2 in	6 3/8 in	1
FU4	Lite ply			2	FU11R	Lite ply			1
FU15	Lite ply			2	FUK	Lite ply			1
FU-HW-1	Hardwood	1/4 in	13 1/4 in	2	FU-BB-05M	Balsa	1 1/2 in	14 7/8 in	1
FU-ST-05	Balsa	1/4 in	7 3/4 in	1	FUL	Lite ply			1
FUVA	Plywood	2 9/16 in	5 1/8 in	1	FU-BB-04M	Balsa	1 1/2 in	28 3/4 in	1
FU-TR-2	Balsa triangle	3/8 in	2 1/8 in	16	FU-BB-03M	Balsa	1 1/2 in	28 15/16 in	1
FUJ	Lite ply			2	Servo	1/4 scale servo			1
FUG	Lite ply			2	FU-SH-05M	Balsa	9 5/8 in	28 5/8 in	1
FU-ST-03	Balsa	1/4 in	11 1/4 in	1	FU-TR-1M	Balsa	3/8 in	4 15/16 in	1
FU-ST-04	Balsa	1/4 in	7 5/8 in	1	FU10R	Lite ply			1
FU-ST-08	Balsa	1/4 in	10 in	1	FU-TR-1	Balsa triangle	3/8 in	4 15/16 in	1
FUP	Lite ply			2	FUE2	Lite ply			1
FUD4	Lite ply			1	FUE3	Lite ply			1
FUD5	Lite ply			4	FUVC	Plywood	1 in	1 1/2 in	4
FUD2	Lite ply			2	F-WS-1	Aluminium	3/8 in	5 1/2 in	1
FUD7	Lite ply			1	FUD8	Lite ply			2
FUJA	LitePly			2	FU-TPH	Phenolique tube Ø1"	1 in	10 in	1
FU3A	LitePly			2	FUN2	Lite ply			1
FU-ST-12	Balsa	1/4 in	36 9/16 in	1	FU-TR-3	Balsa		3 5/8 in	1
FU-BB-03	Balsa	1 1/2 in	28 15/16 in	1	FU-TR-3M	Balsa			1
FU-ST-06	Balsa	1/4 in	6 7/16 in	1	FU-BL-1	Balsa		3 5/8 in	2
FU-ST-07	Balsa	1/4 in	29 1/16 in	2	FUVB	Plywood	1 15/16 in	8 3/16 in	1
FU-ST-09	Balsa	1/4 in	29 1/8 in	1	FU1	Ply			1
FU-ST-10	Balsa	1/4 in	29 3/16 in	1	FU8	Lite ply			2
FU-ST-13	Balsa	1/4 in	28 7/8 in	1	FU16	Lite ply			1
FU-ST-14	Balsa	1/4 in	28 7/8 in	1	FUF	Lite ply			2
FU-ST-15	Balsa	1/4 in	17 15/16 in	1	FU-ST-02	Balsa	1/4 in	11 7/16 in	1
FU-ST-11	Balsa	1/4 in	17 15/16 in	1	FU-ST-10M	Balsa	1/4 in	29 3/16 in	1
FU-ST-01M	Balsa	1/4 in	11 5/16 in	1	FU9A	Balsa			2
FU-ST-02M	Balsa	1/4 in	11 7/16 in	1	DUB202	Du-Bro #202			2
FU-ST-03M	Balsa	1/4 in	11 1/4 in	1	FUE4	Lite ply			1
FU-ST-04M	Balsa	1/4 in	7 5/8 in	1	FUE1A	Lite ply			2
FU-ST-05M	Balsa	1/4 in	7 3/4 in	1	FUE1B	Lite ply			2

Fuselage

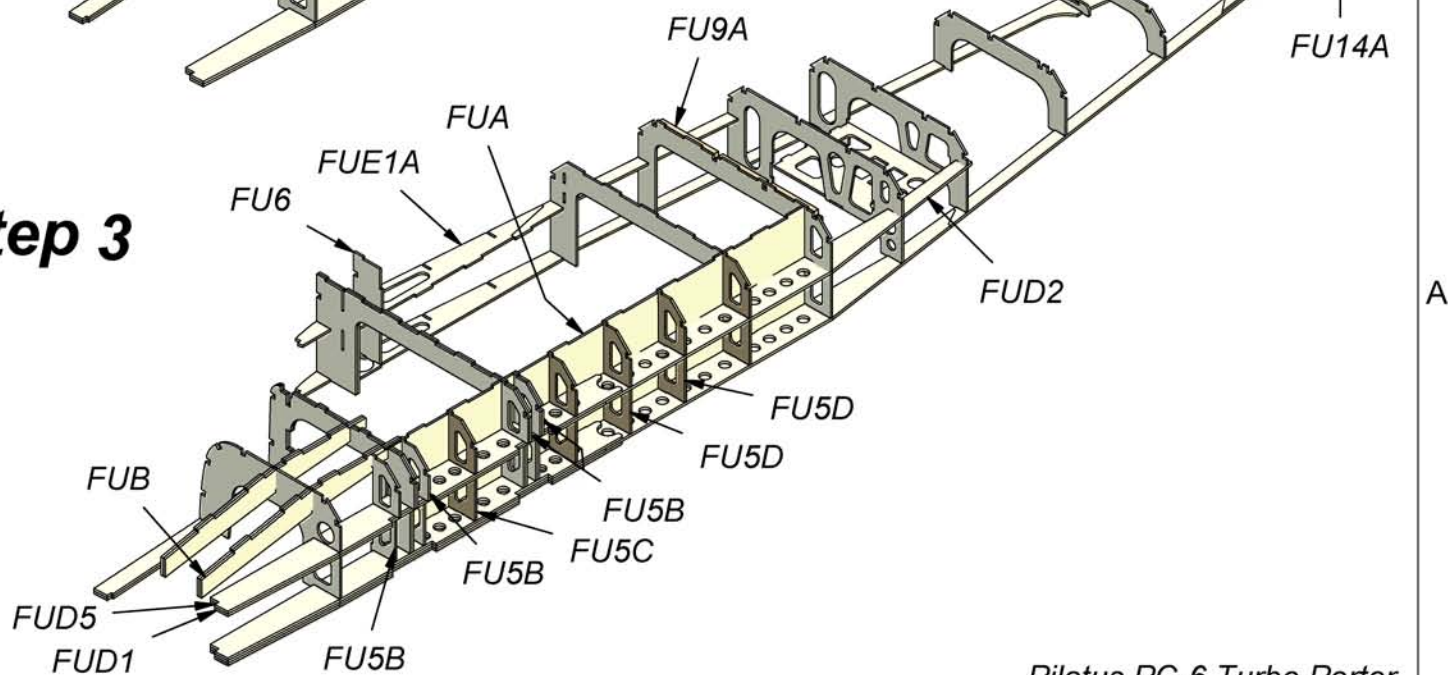
Step 1



Step 2



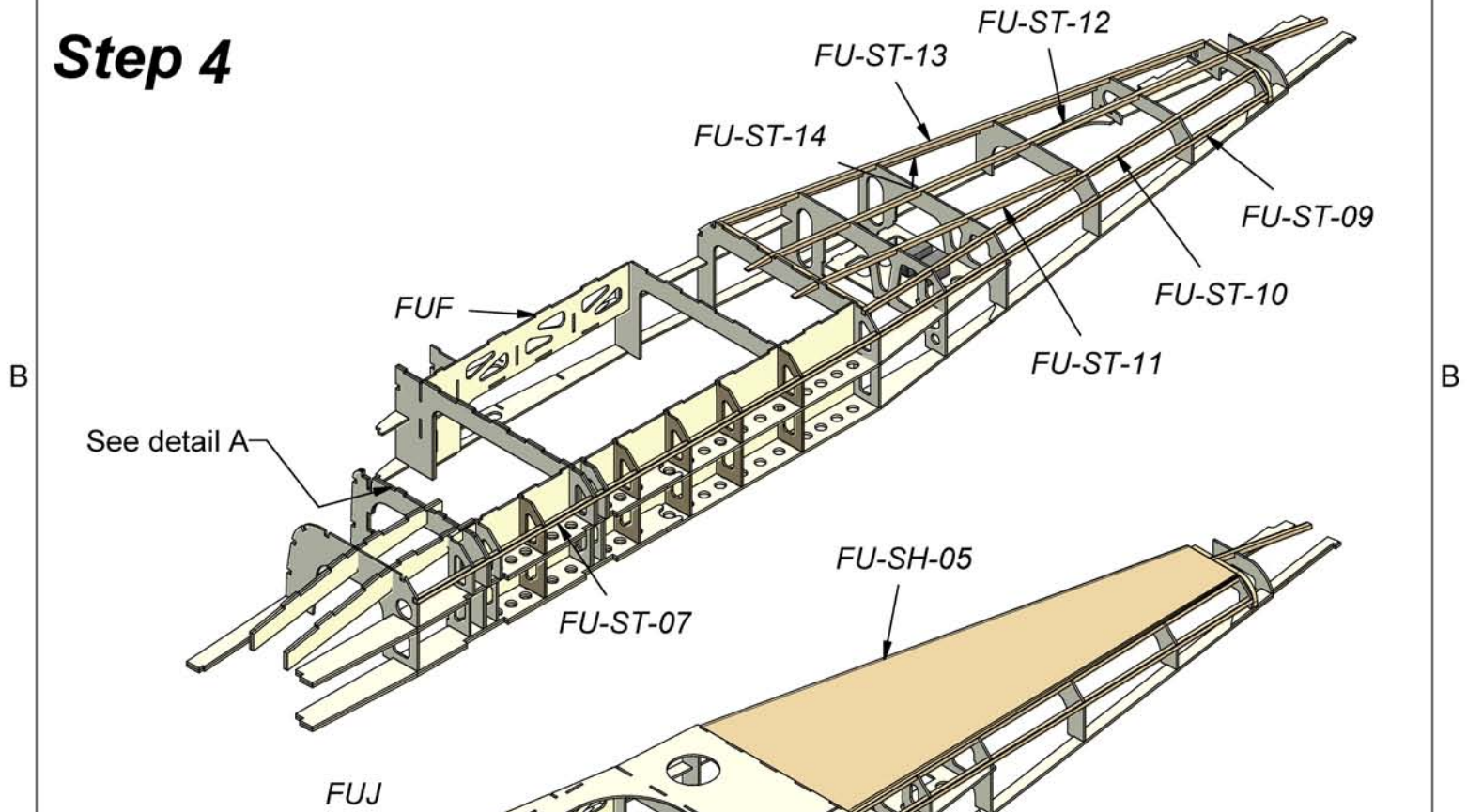
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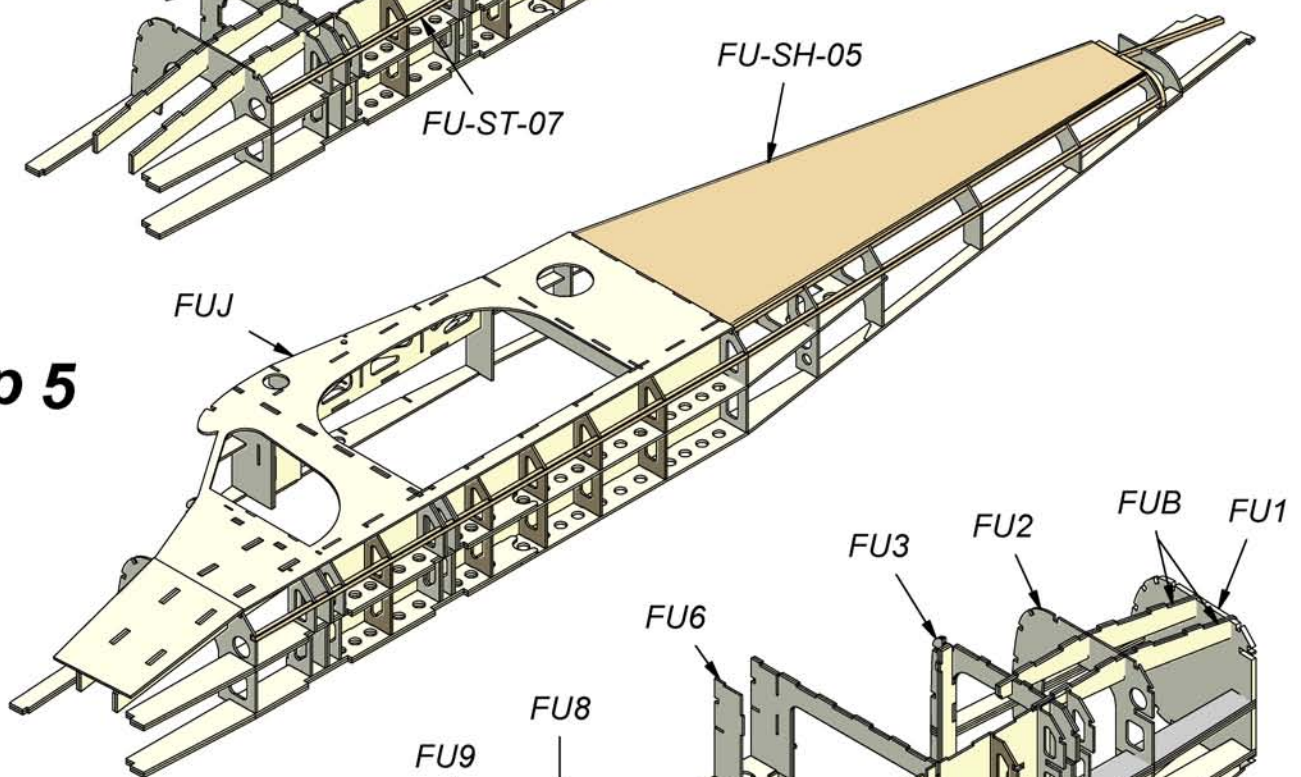
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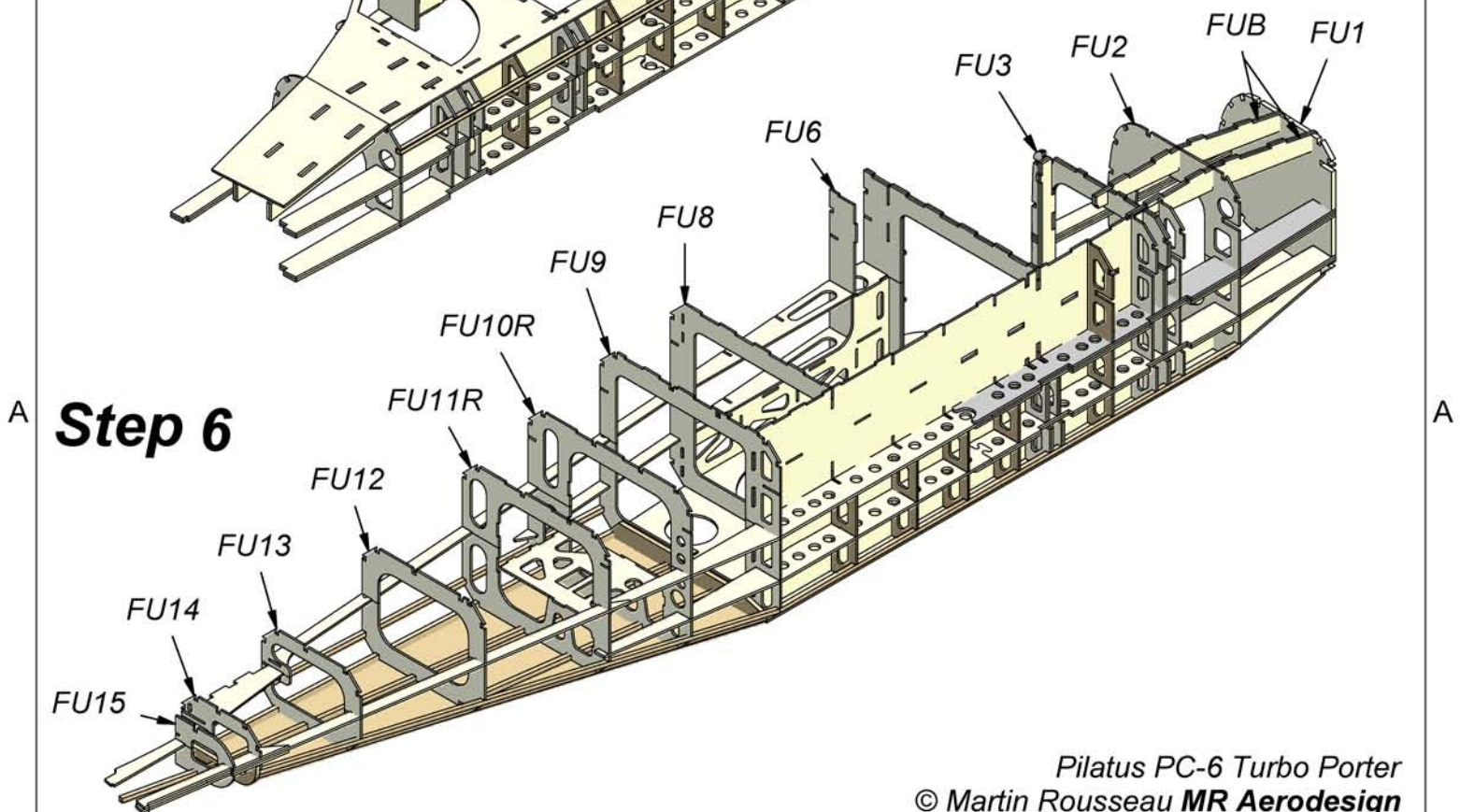
Step 4



Step 5

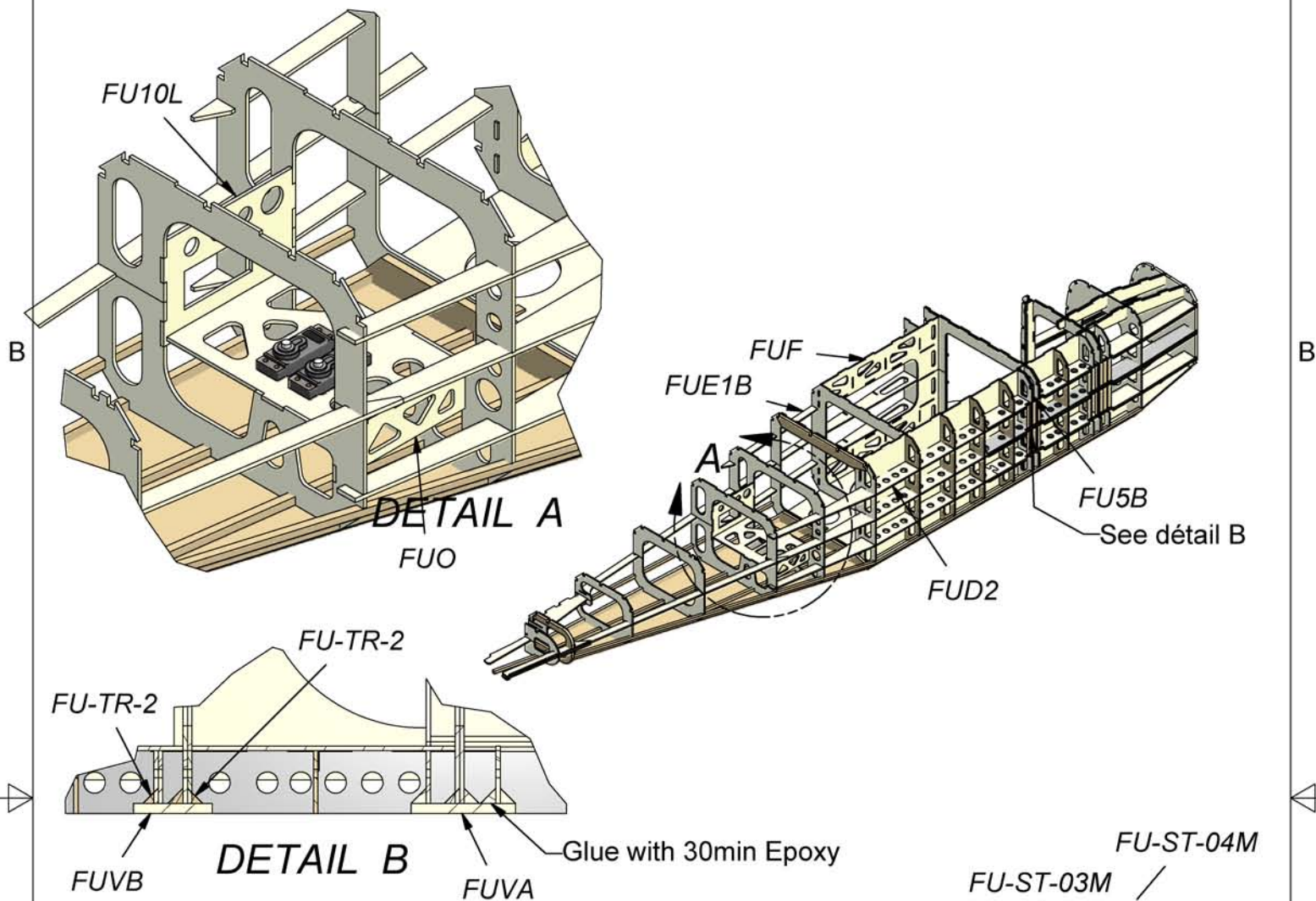


Step 6

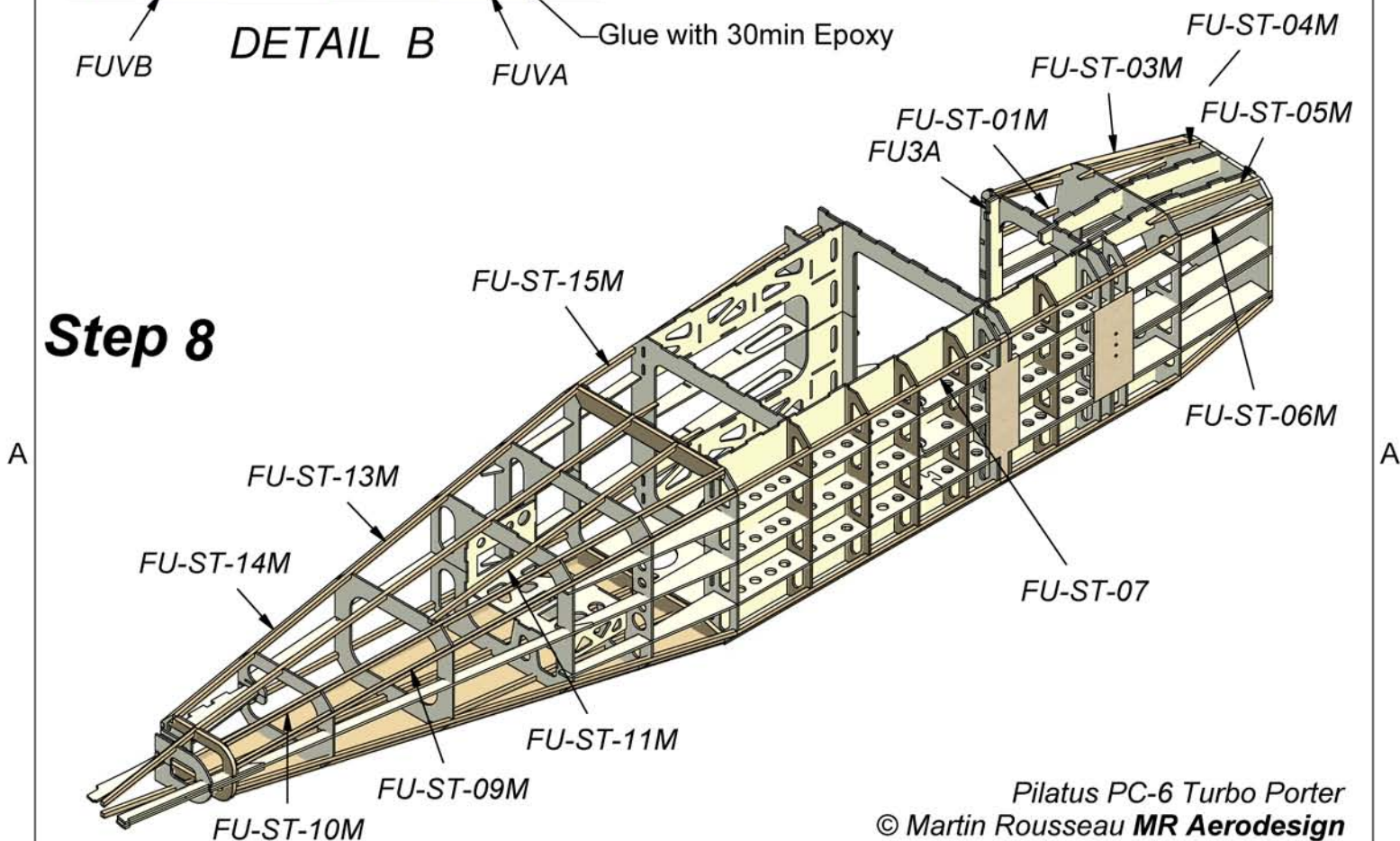


Step 27

1



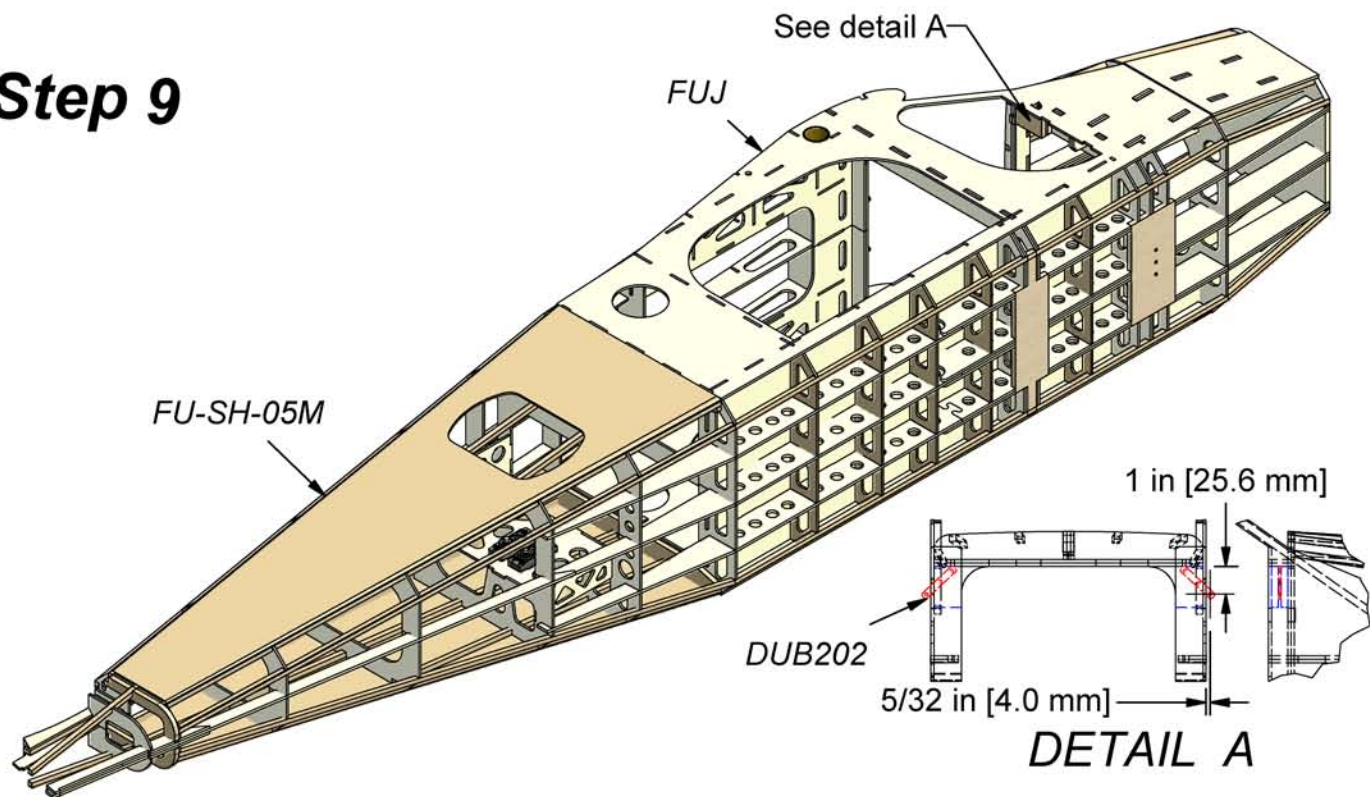
Step 8



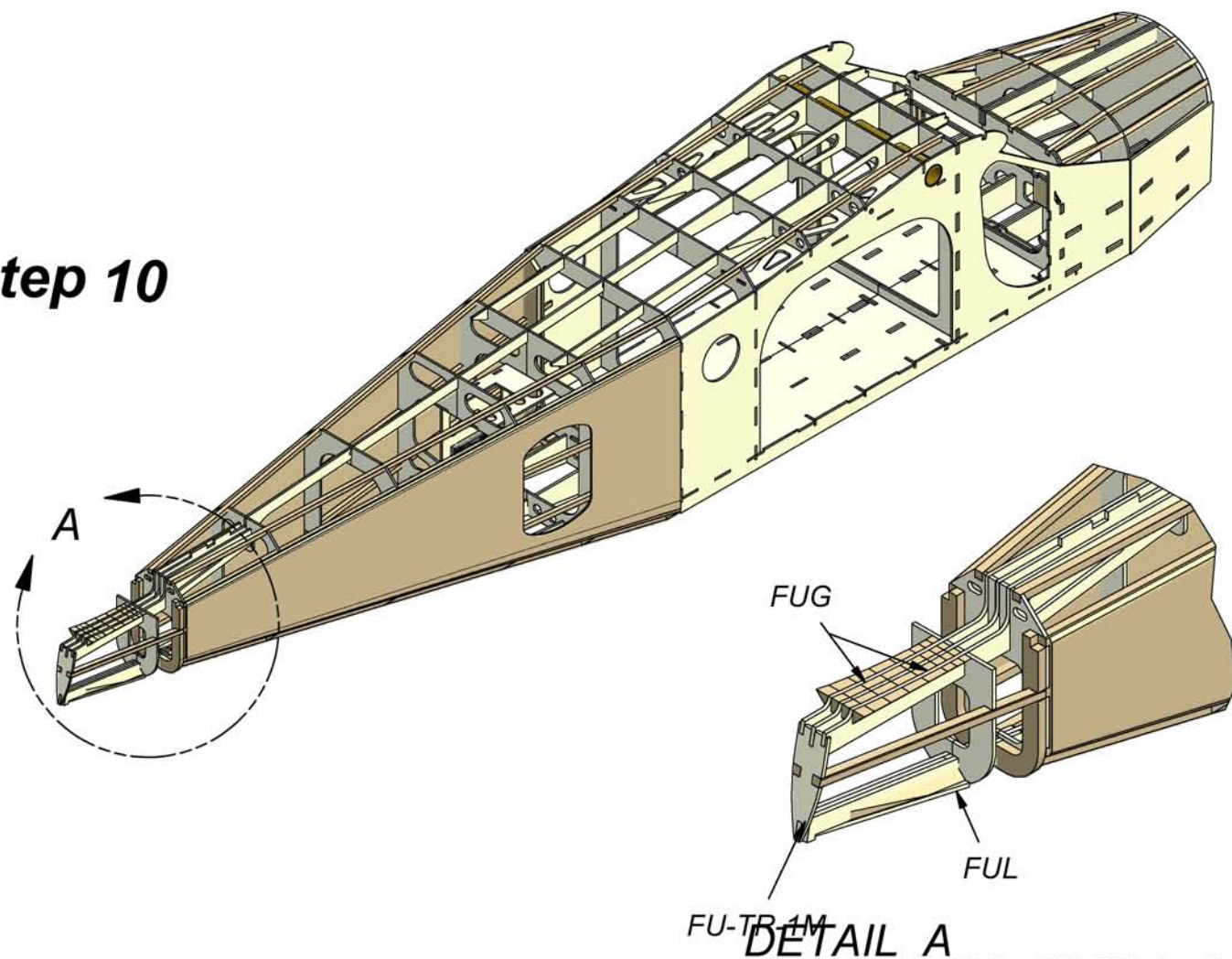
2

1

Step 9



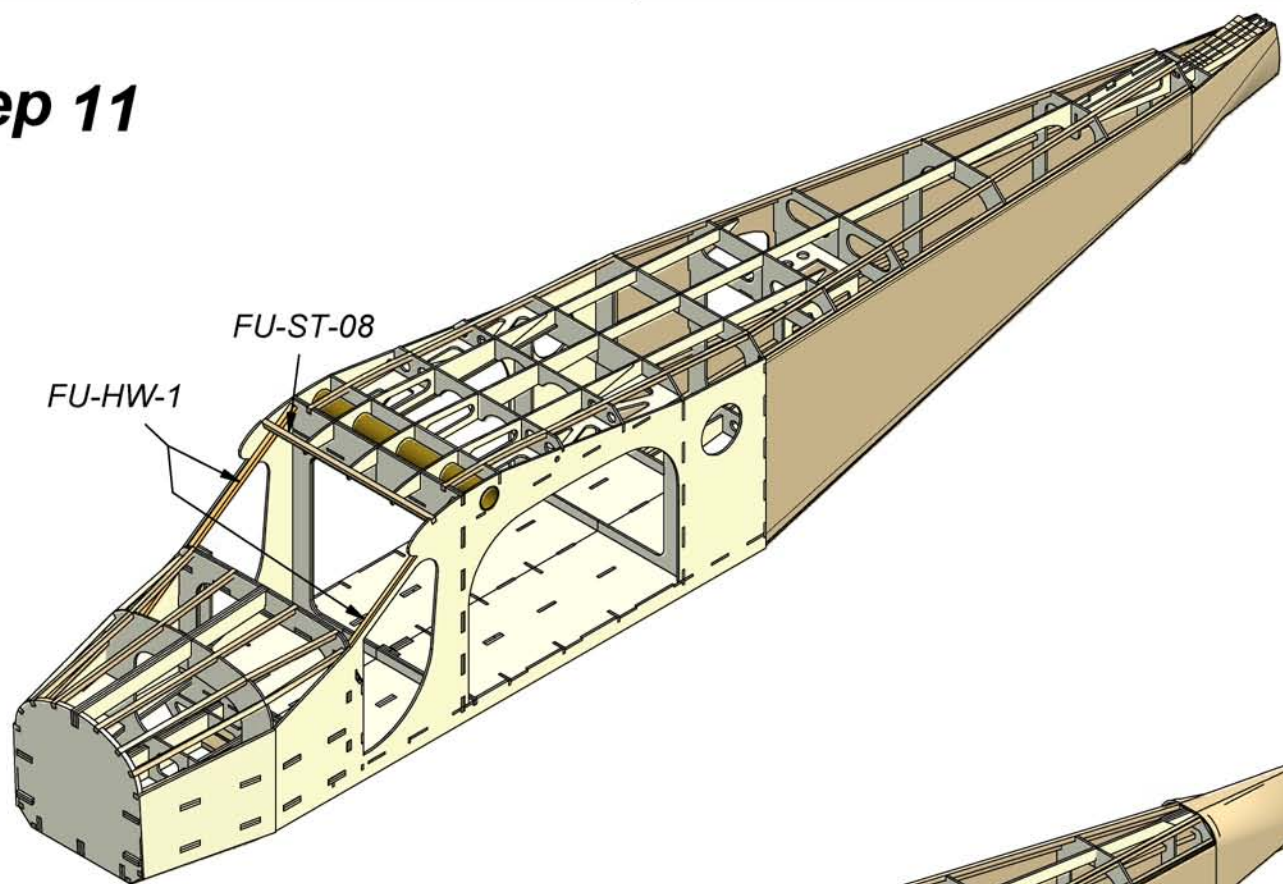
Step 10



2

1

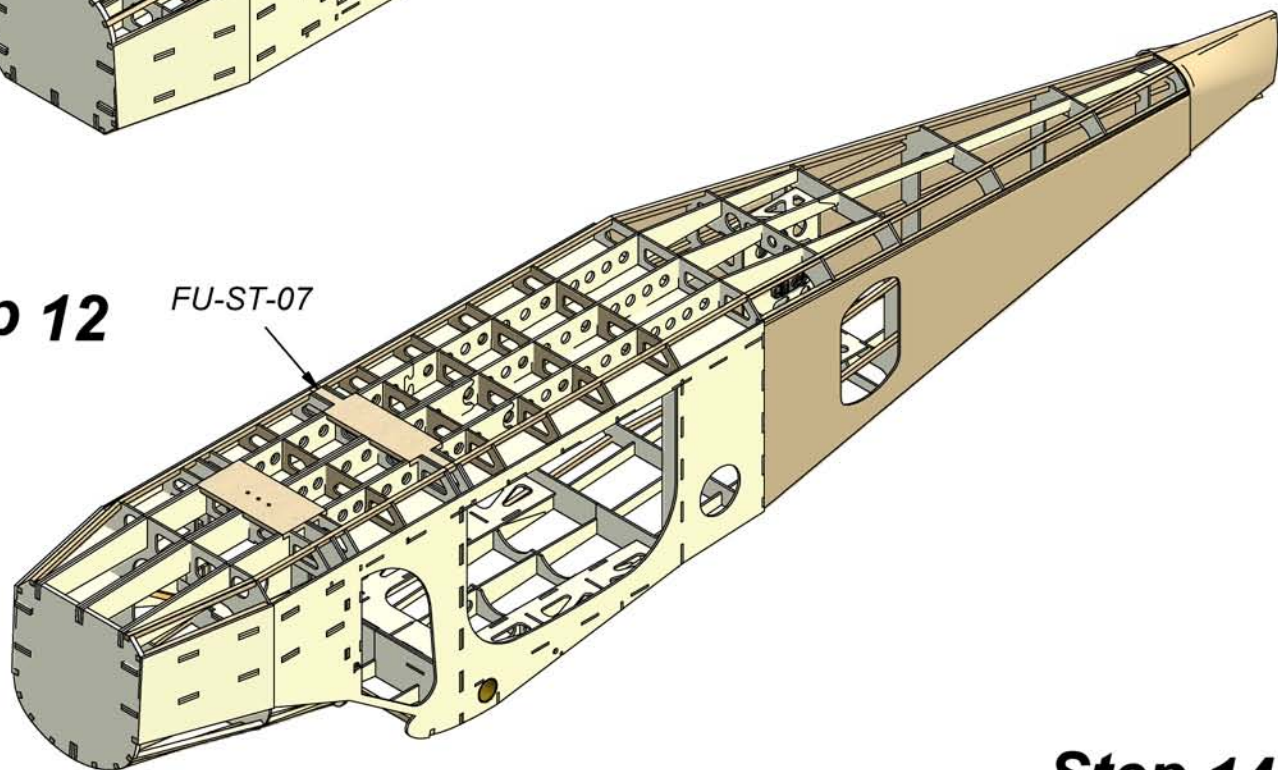
Step 11



B

B

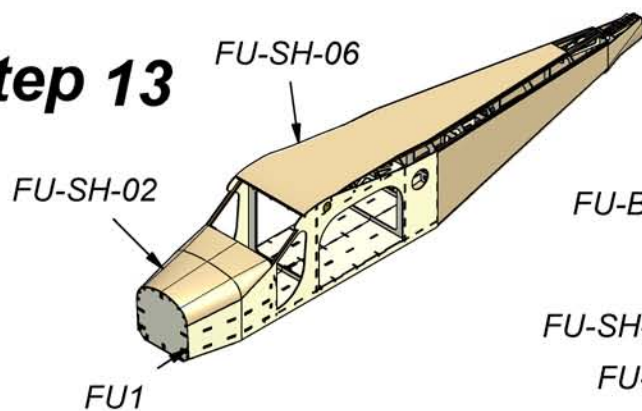
Step 12



A

A

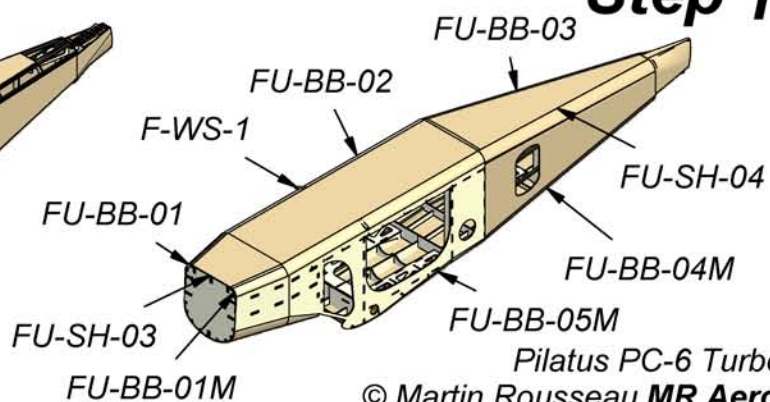
Step 13



2

1

Step 14



Pilatus PC-6 Turbo Porter
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2



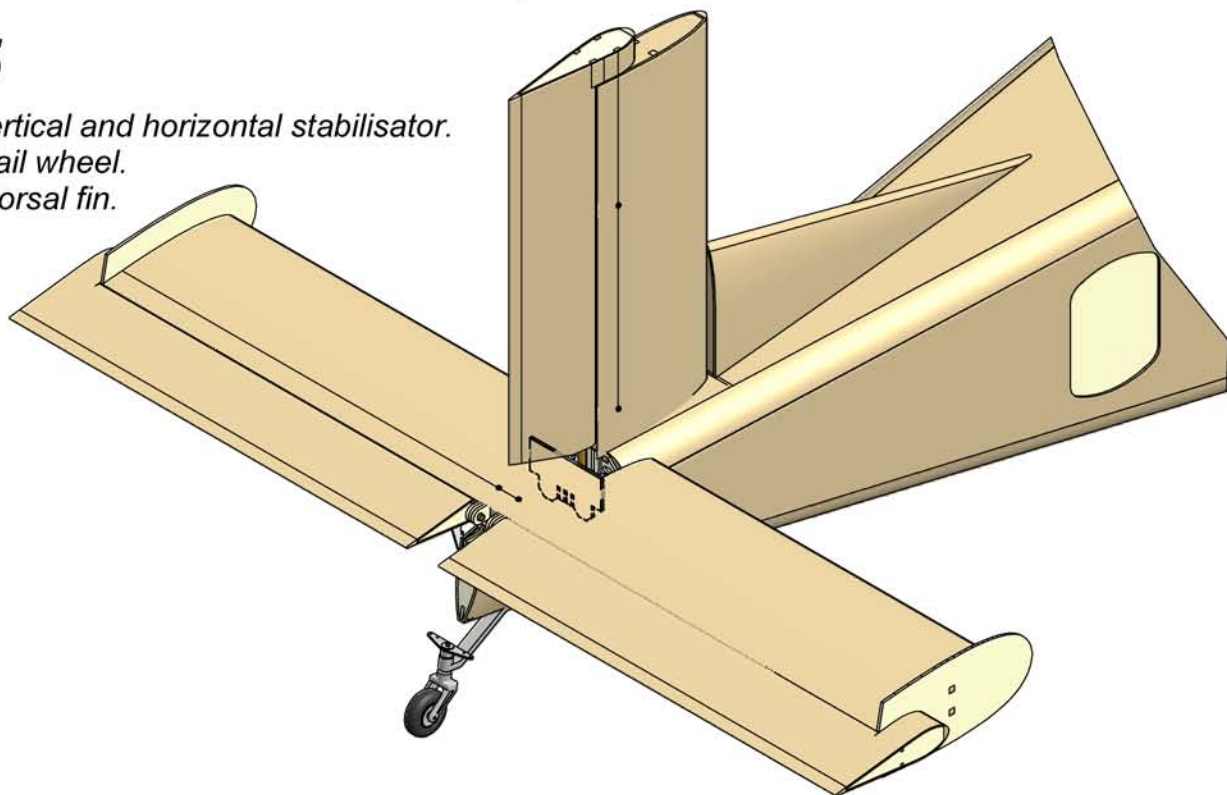
1

Step 15

***Glue the vertical and horizontal stabilisator.

***Install the tail wheel.

***Make the dorsal fin.



B

B



A

A

2



1



Step 16

