

Title:

Final assembly manual

Document no.:

D2_00_00

Revision:

R02

Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	1	90



Table of revisions

Revision	Affected pages	Short description of change
00	All	Original issue
01	All	Tube added to tail wheel, dimensions added to aileron – wing assembly, bolt lengths corrected.
02	3, 37 - added	General instructions updated, seatbelt guide added

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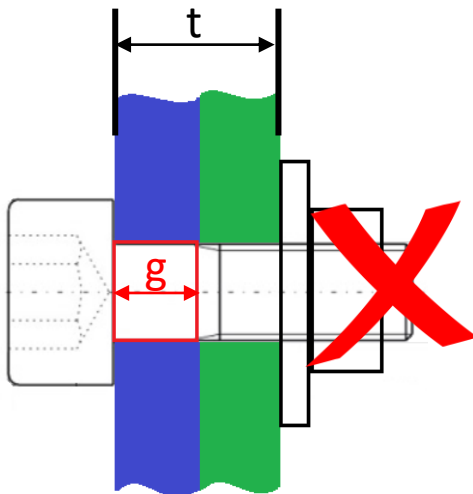
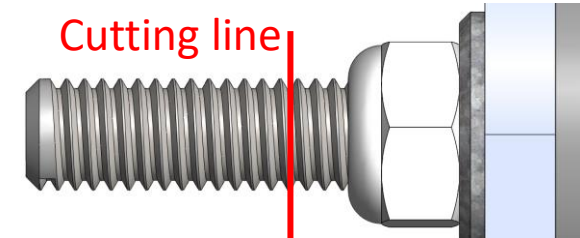
General instructions:

- **Get familiar with the POH and all the limitations stated in POH before the first flight!**

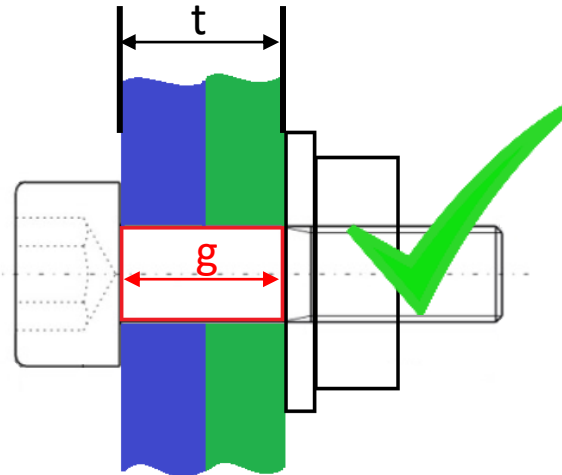
- Mark all bolt connections



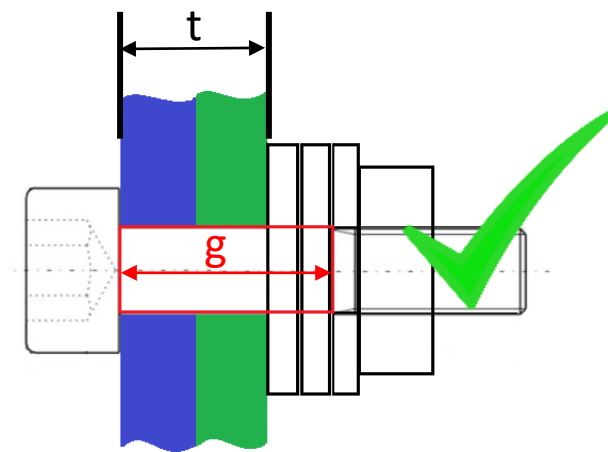
- If you will need to get some extra bolts, **always use 8.8 grade.**
- It is the responsibility of each assembler, to check the grip length of the bolt and ensure, that the grip length (g) matches, or exceeds the thickness (t) of connected parts.
- Cut bolts 1–3 threads behind the nut.



$g < t$



$g = t$

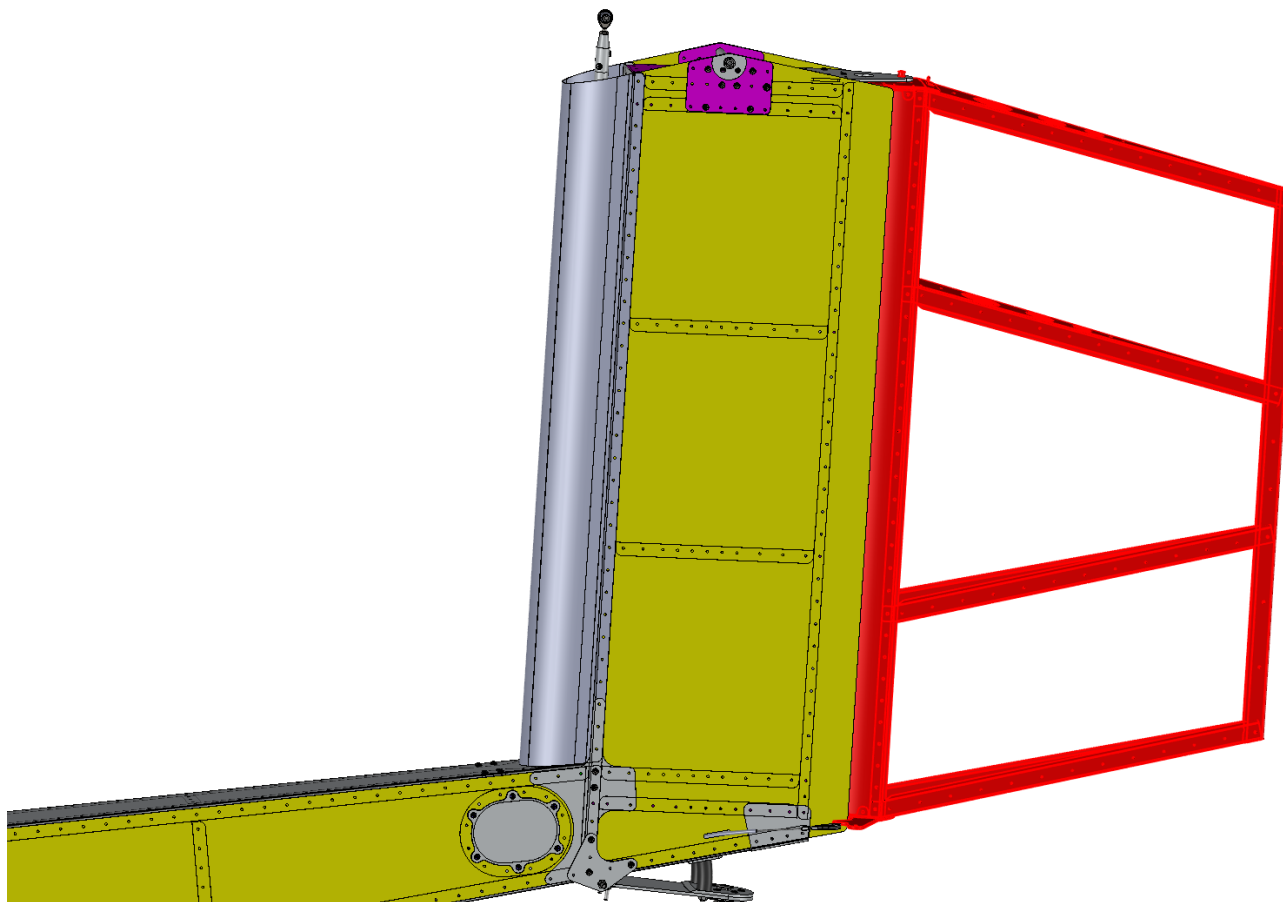


$g > t$

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PART 1 – INSTALLATION OF RUDDER

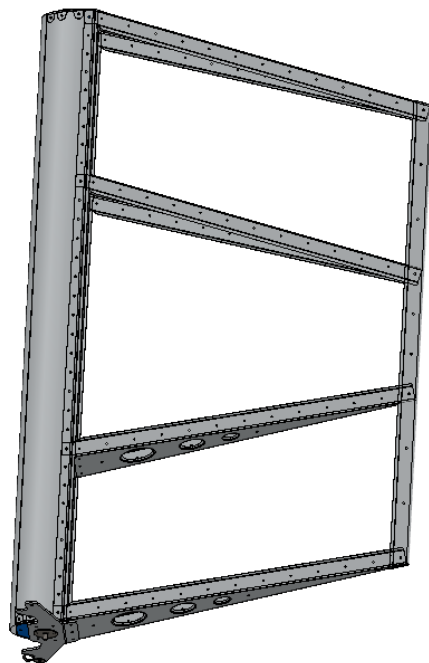


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D2_T1_00

1 pc



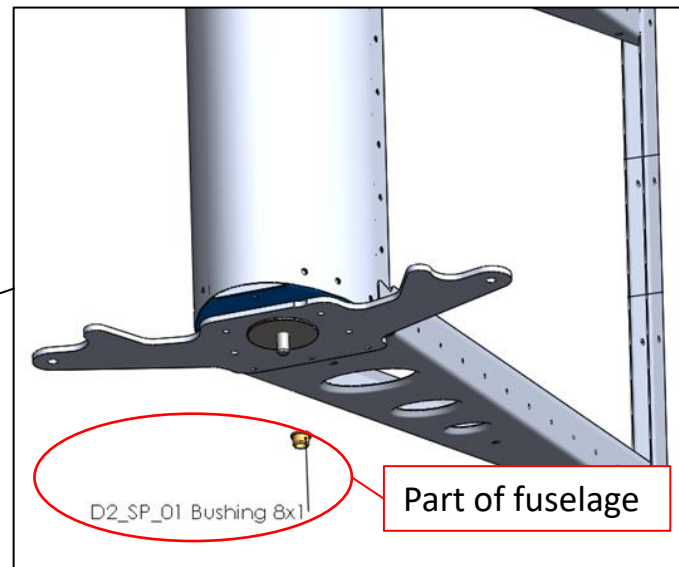
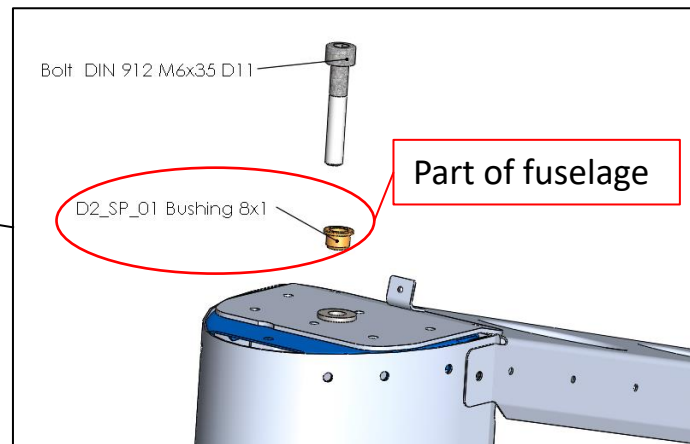
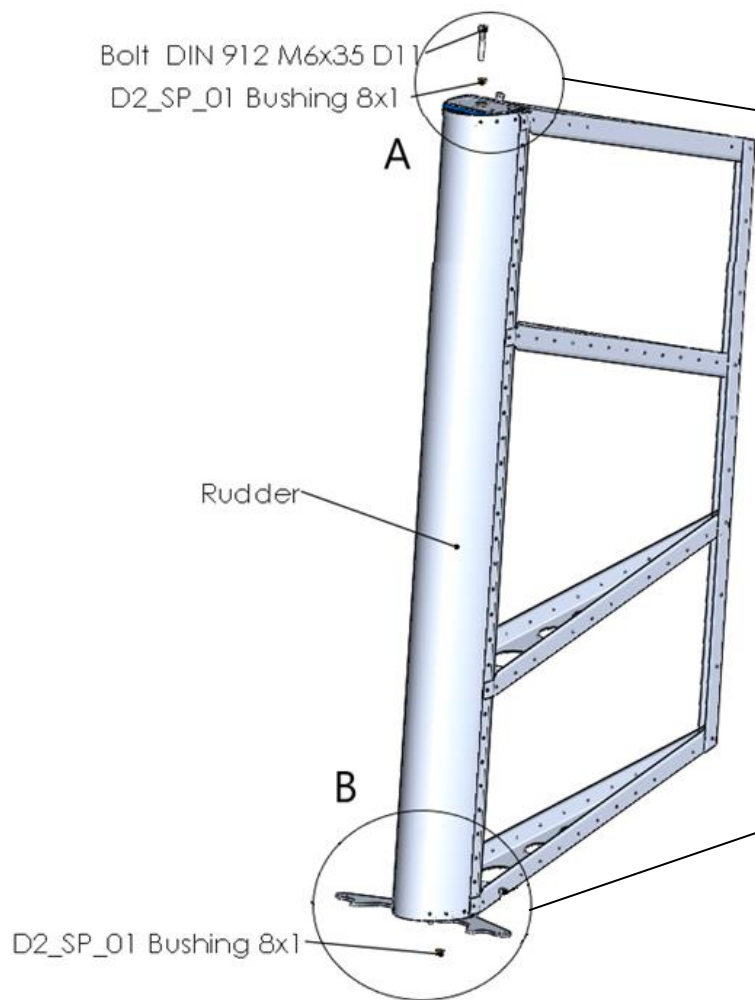
Standard parts

Bolt DIN 912 M6x35	1 pc
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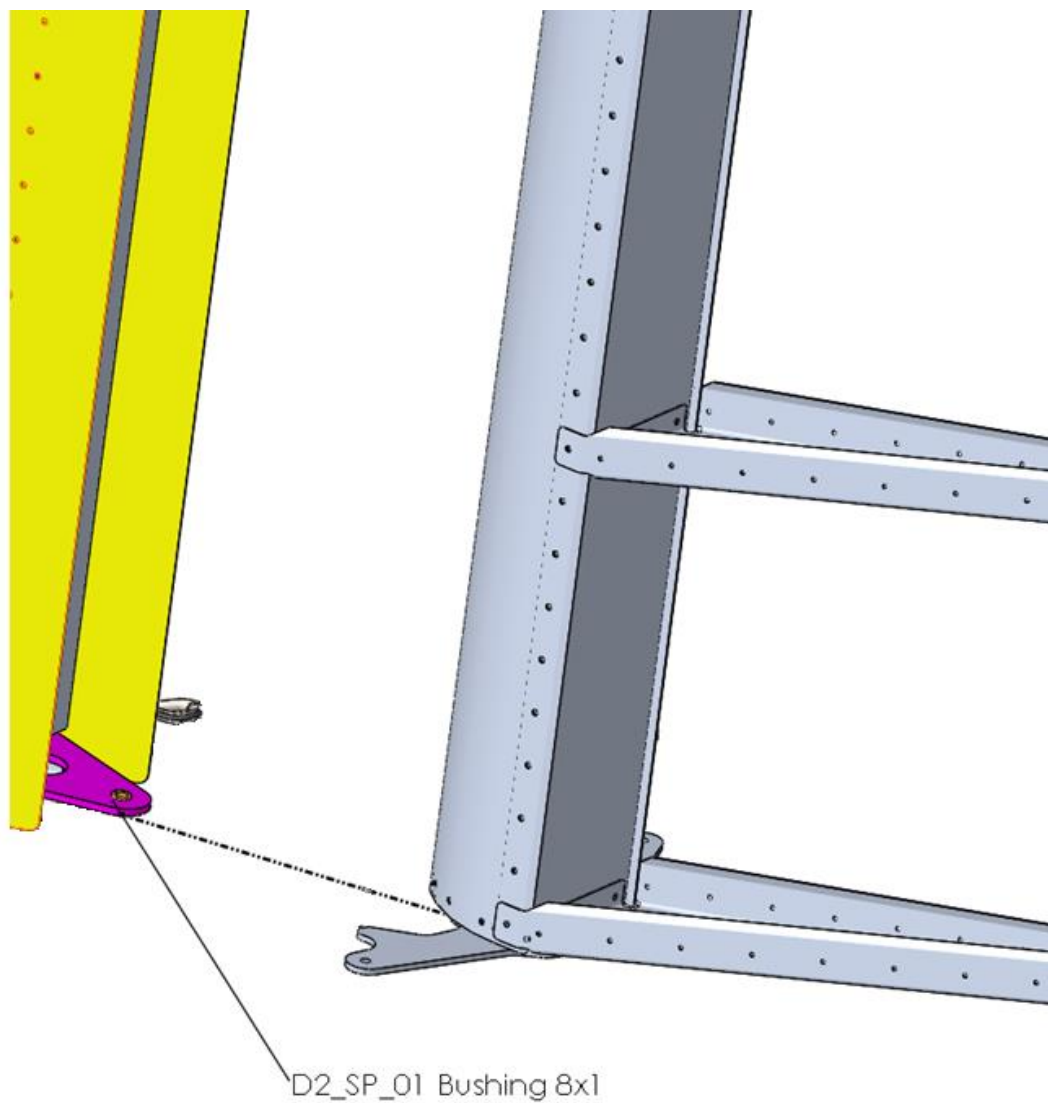
Step 1



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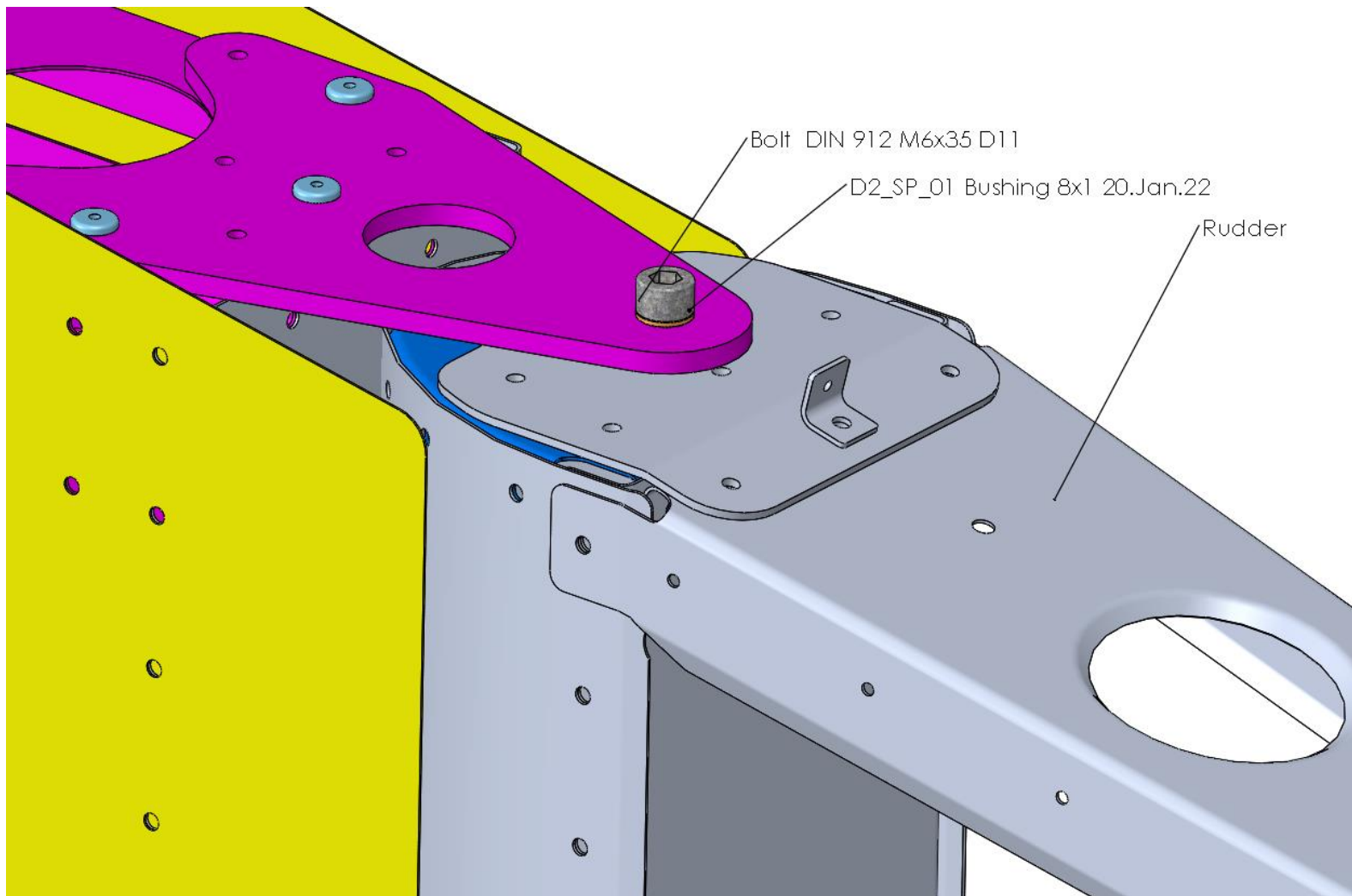
Step 2



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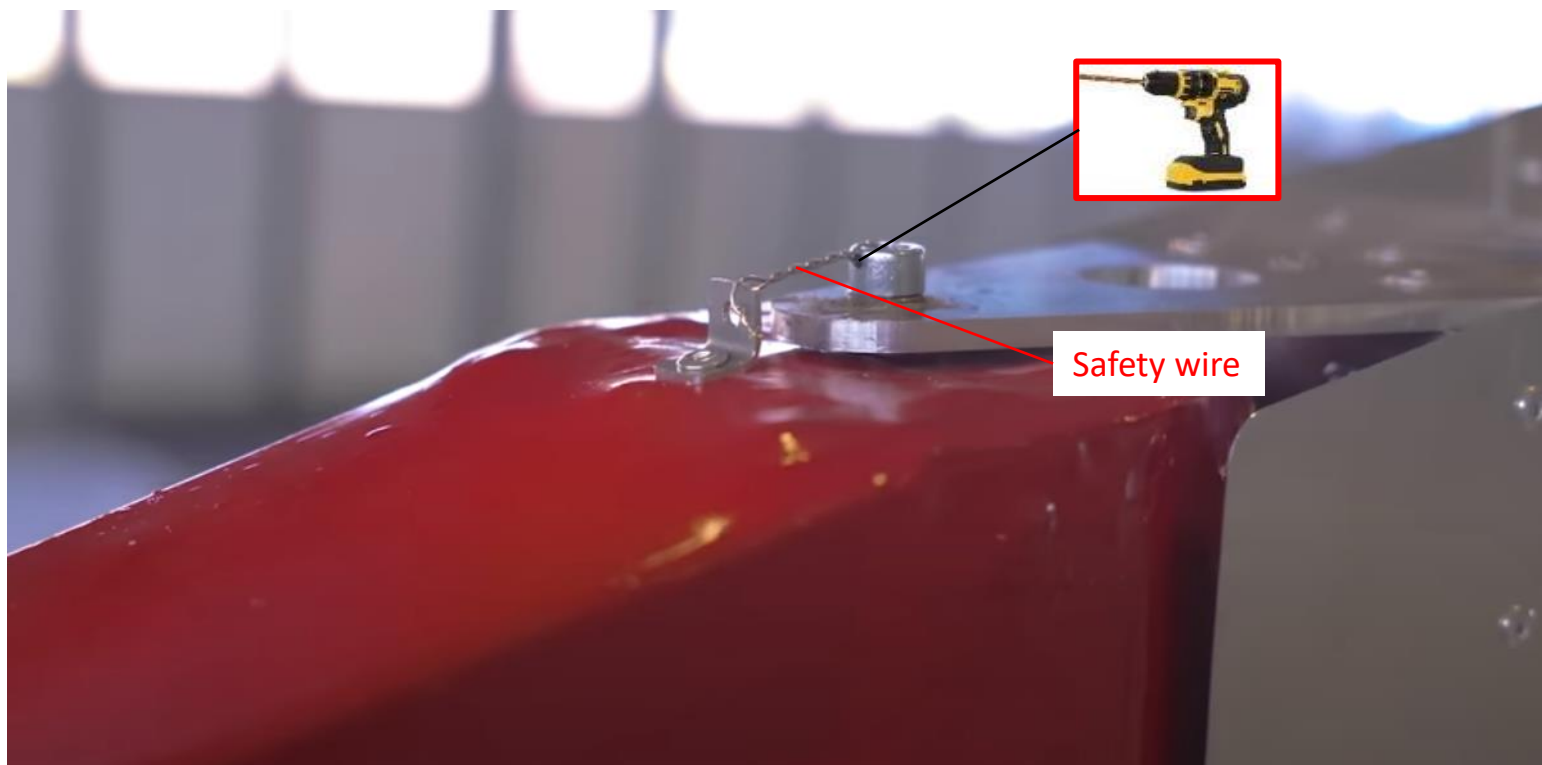
Step 3



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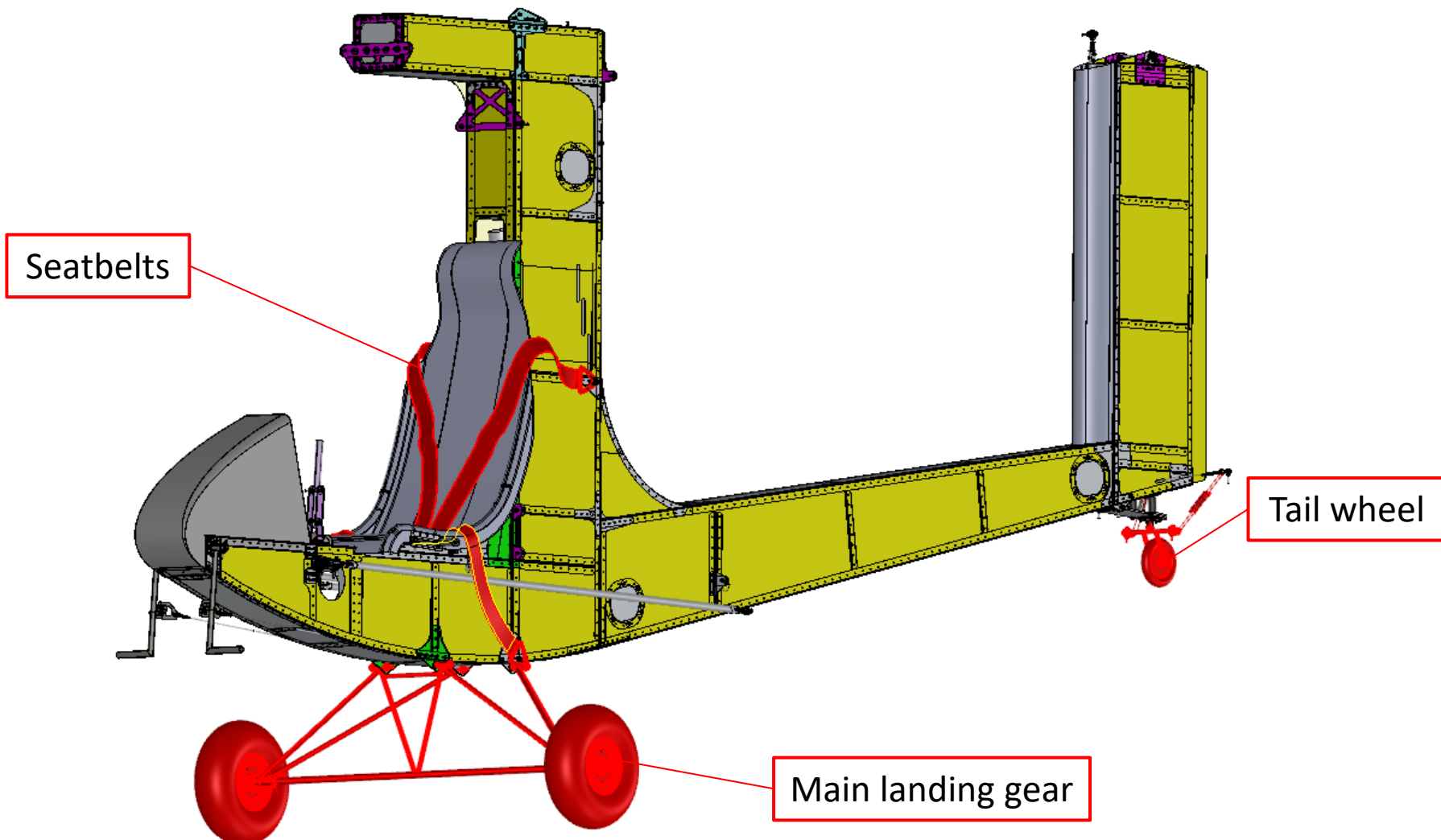
Step 4



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PART 2 – INSTALLATION OF LANDING GEARS AND SETABELTS



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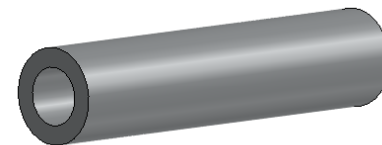


LANDING GEAR + SEATBELTS

D2_U1_50N
1 pc



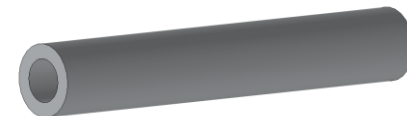
D2_U1_11N
4 pcs



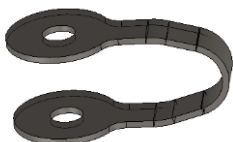
D2_R_34N
4 pcs



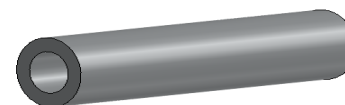
D2_U1_12N
2 pcs



D2_R_31N
4 pcs



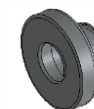
D2_U1_13N
1 pc



D2_U1_30N
1 pc



D2_F4_40N
2 pcs



D2_U1_40N
2 pcs



D2_U1_10N
2 pcs



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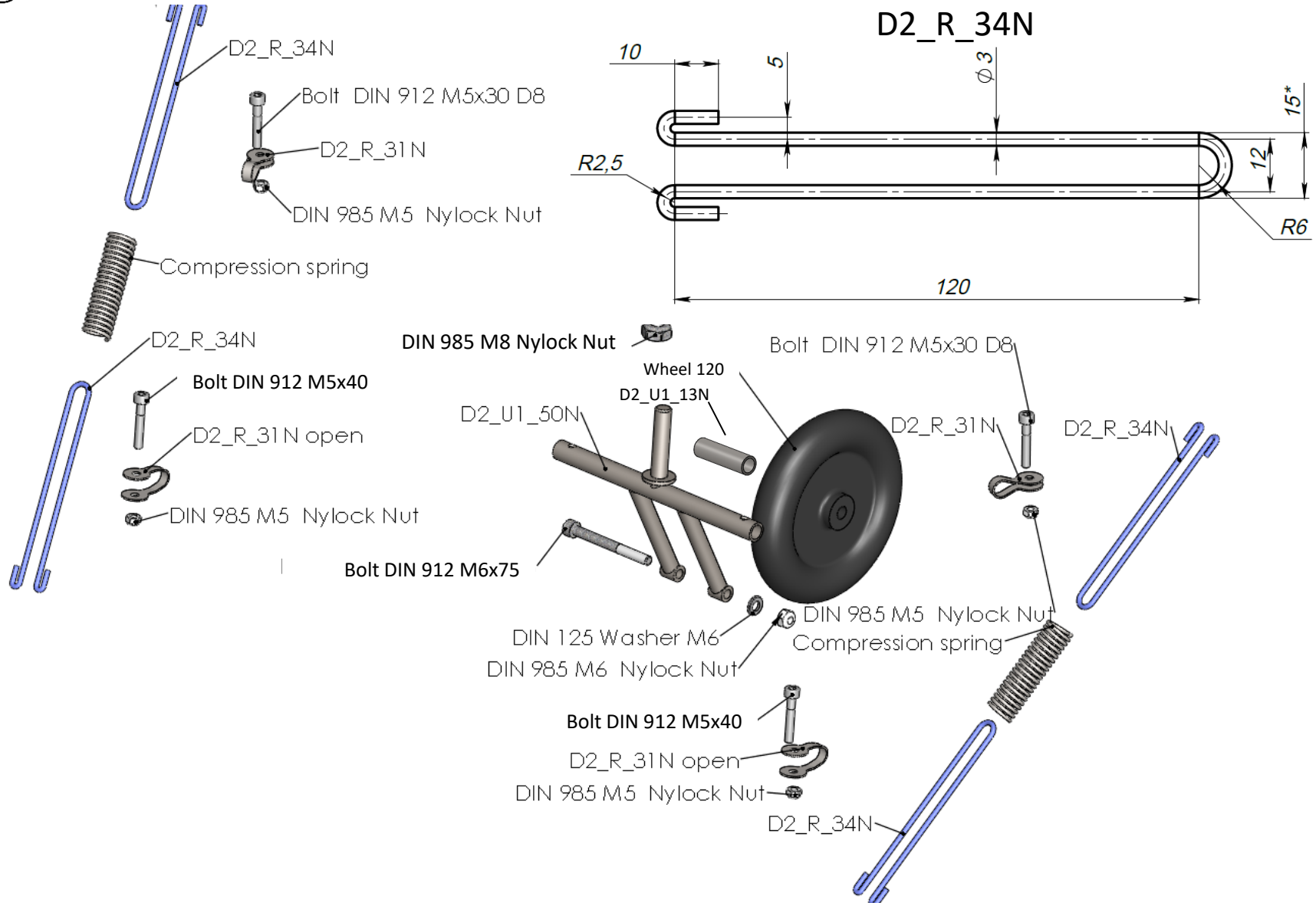
Standard parts

Bolt DIN 912 M5x30	2 pcs
Bolt DIN 912 M5x40	4 pcs
Bolt DIN 912 M6x40	2 pcs
Bolt DIN 912 M6x75	5 pcs
Bolt DIN 912 M6x90	2 pcs
Washer DIN 125 M5	2 pcs
Washer DIN 9021 M6	18 pcs
Nylock nut DIN 985 M5	6 pcs
Nylock nut DIN 985 M6	10 pcs
Nylock nut DIN 985 M8	1 pc
Compression spring	2 pcs
Wheel 120	1 pc
Main wheel disk	2 pcs
Main wheel tube	2 pcs
Main wheel tire	2 pcs

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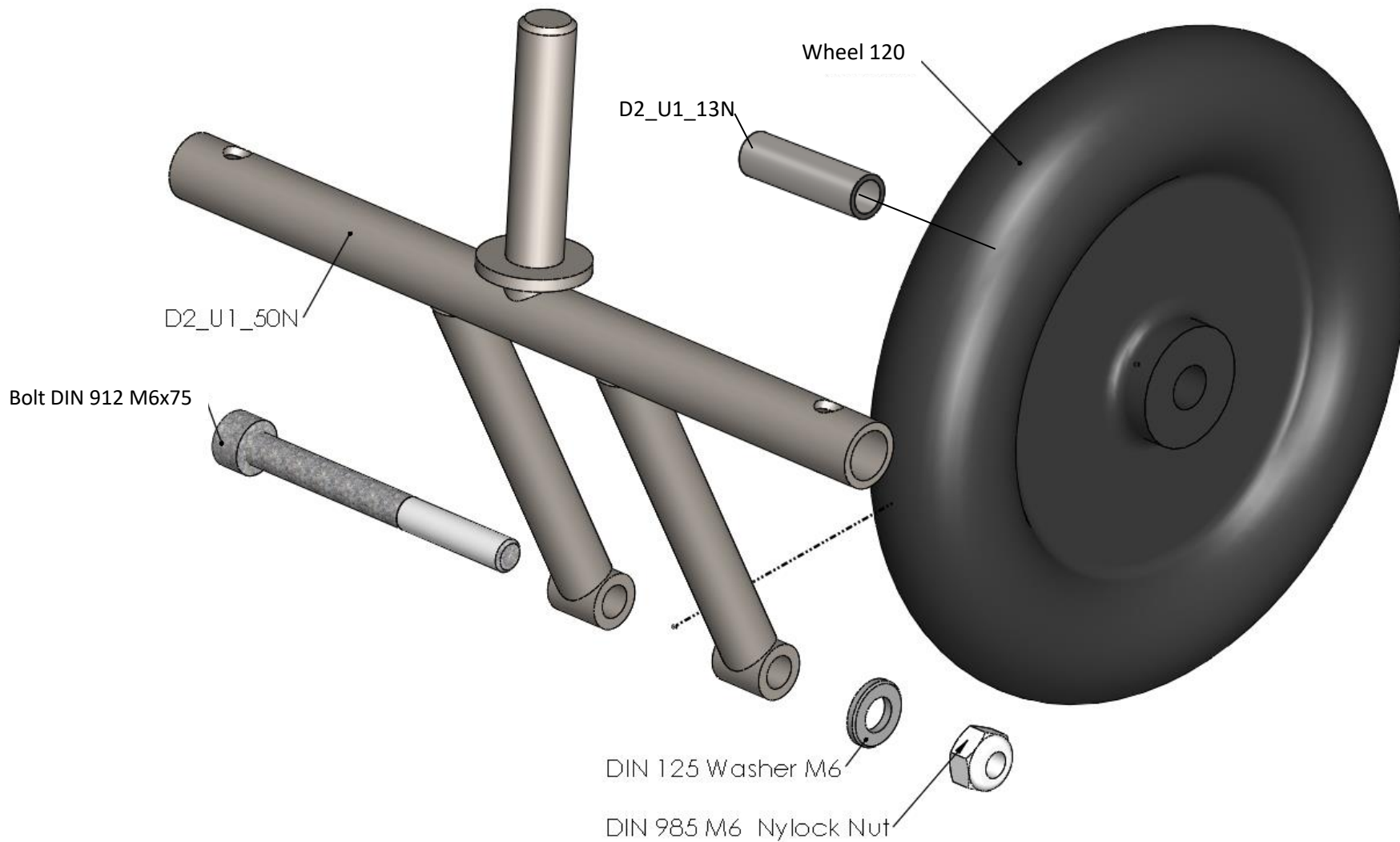
Step 1



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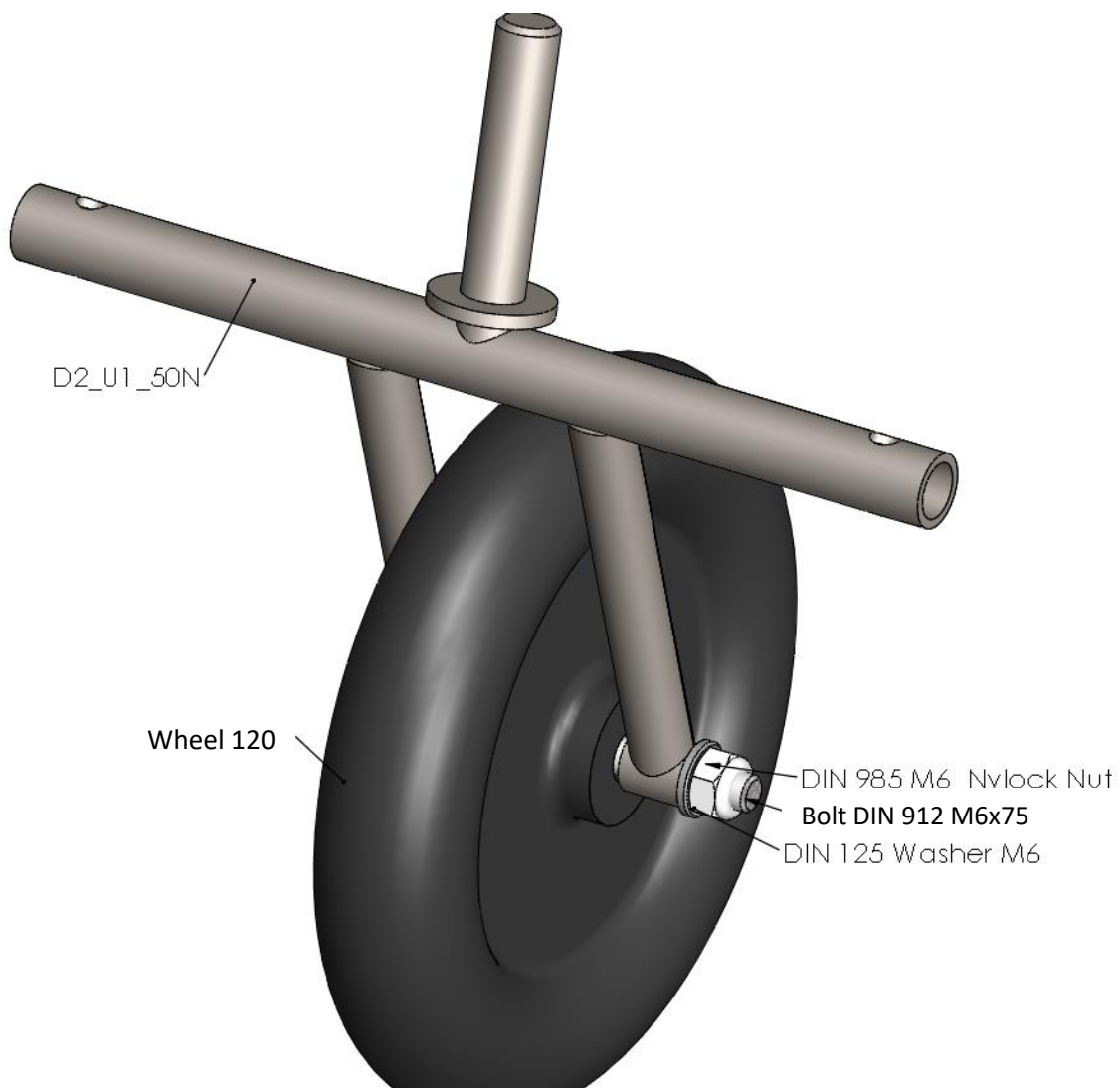
Step 2



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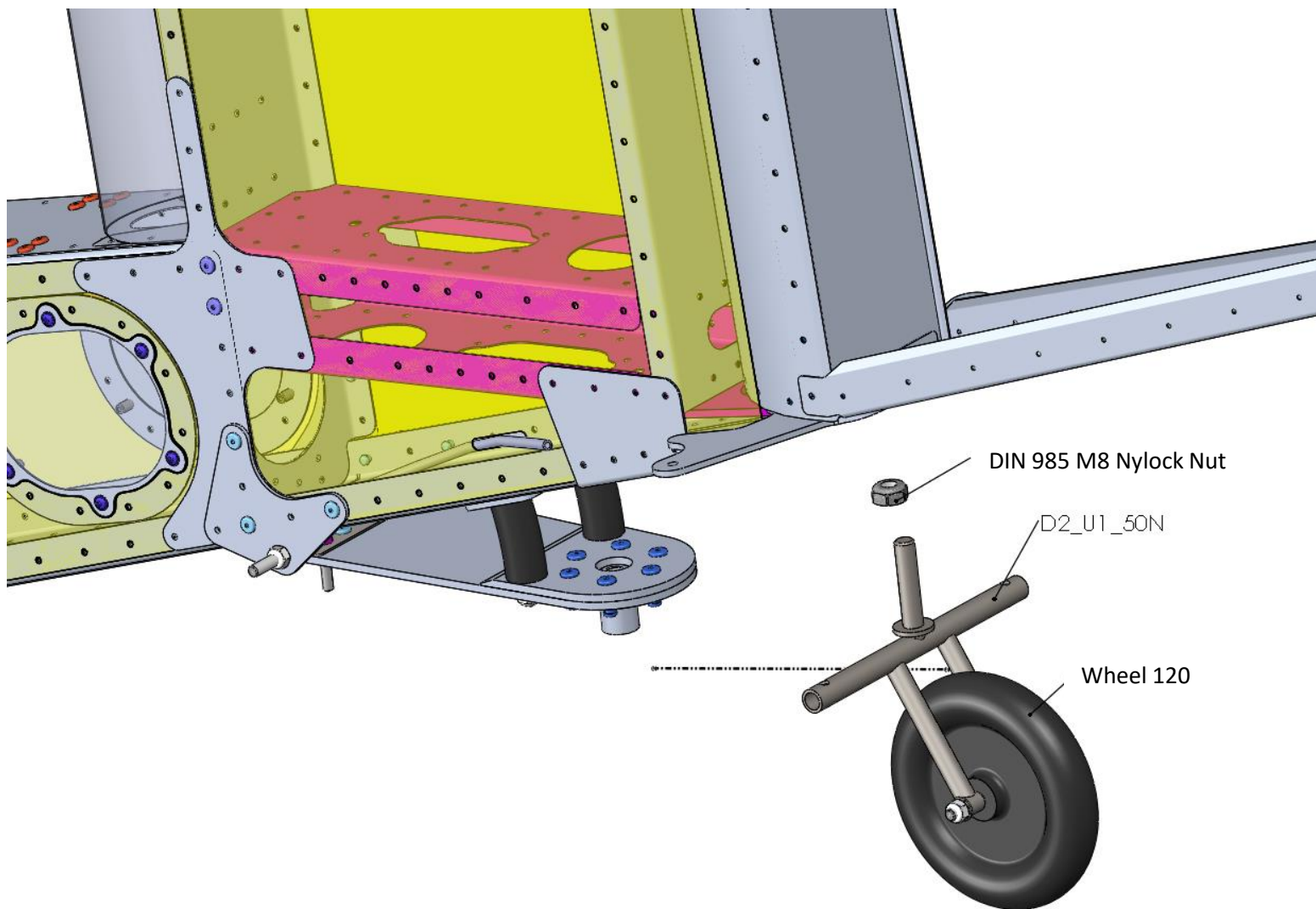
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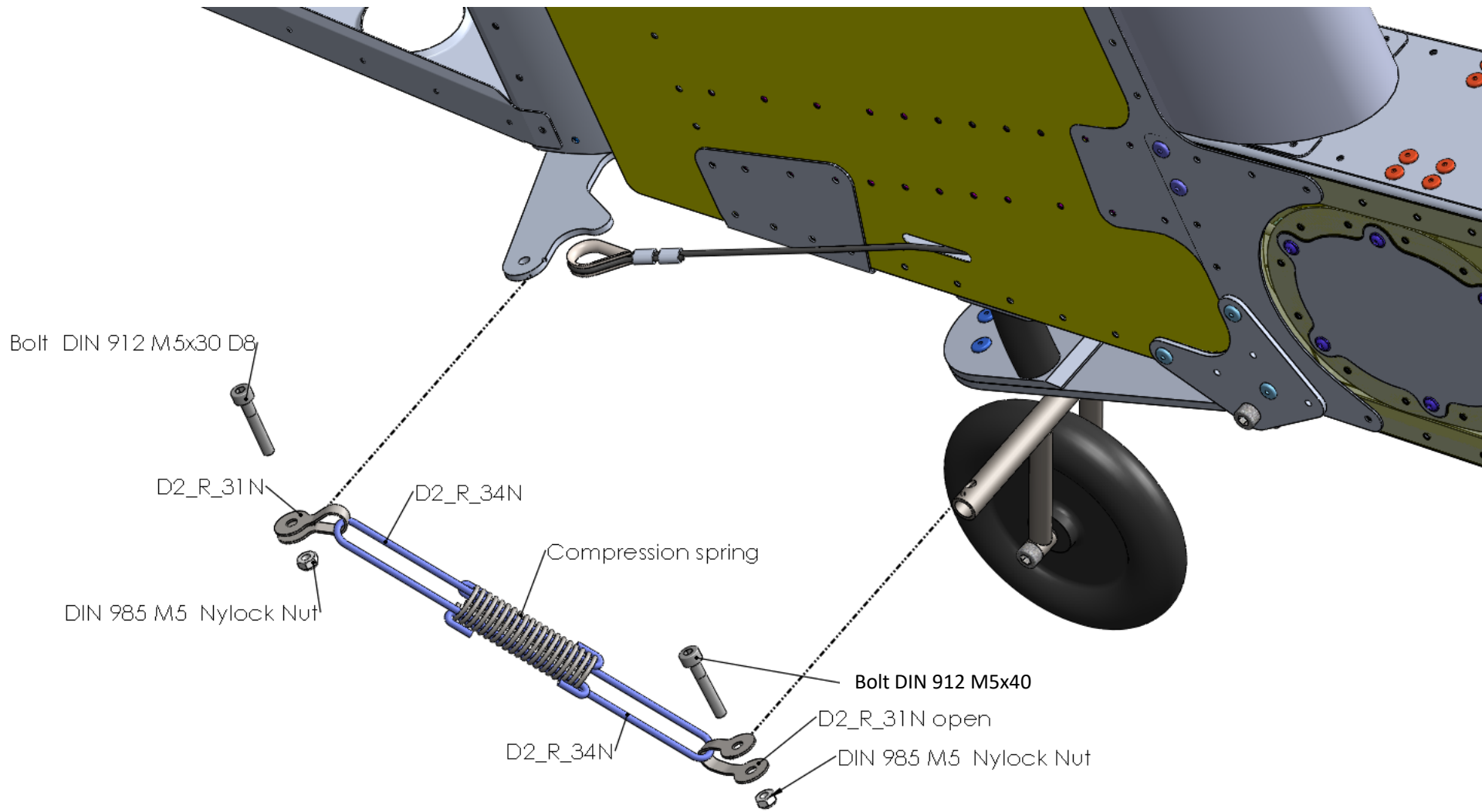
Step 4



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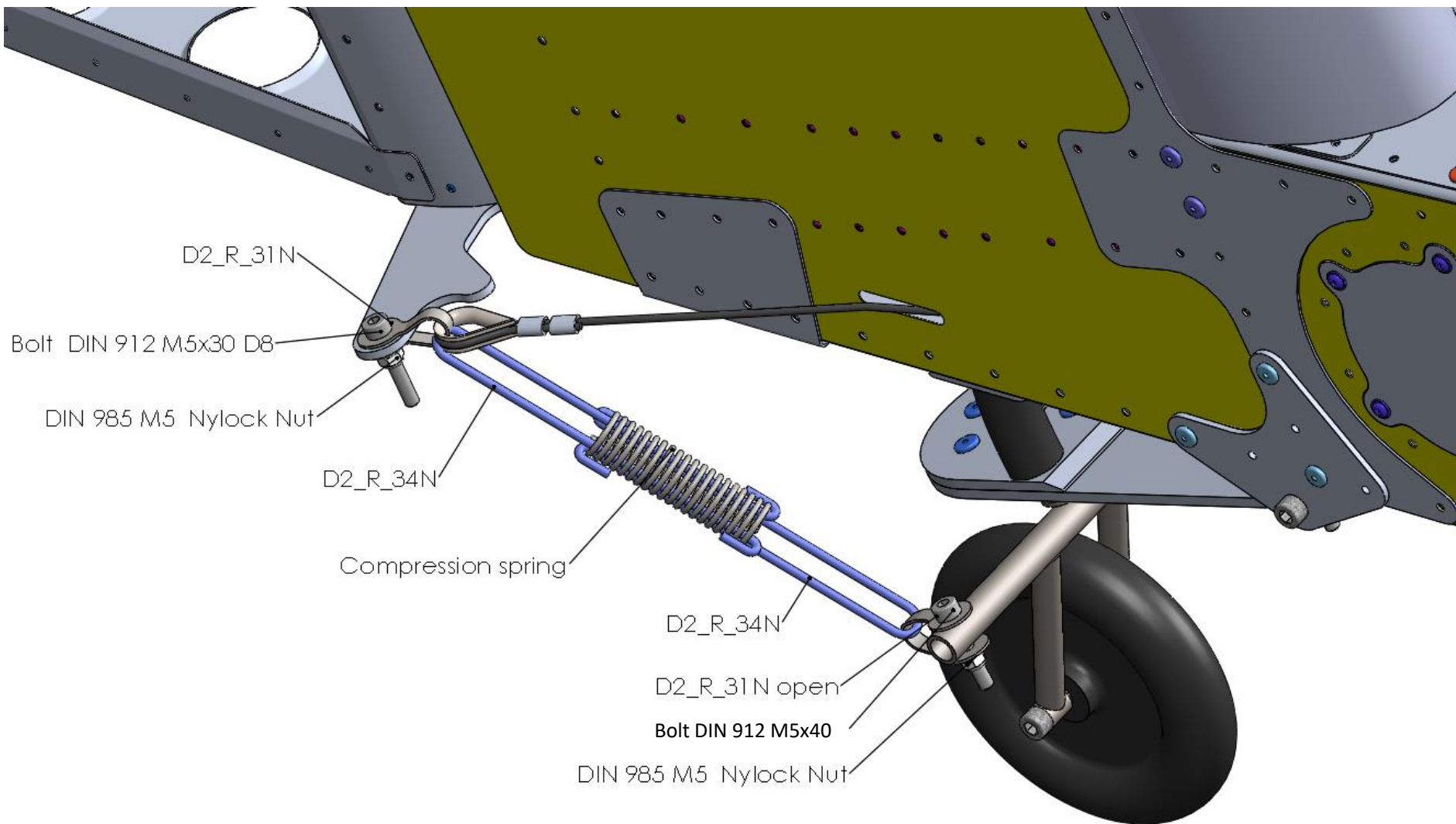
Step 5



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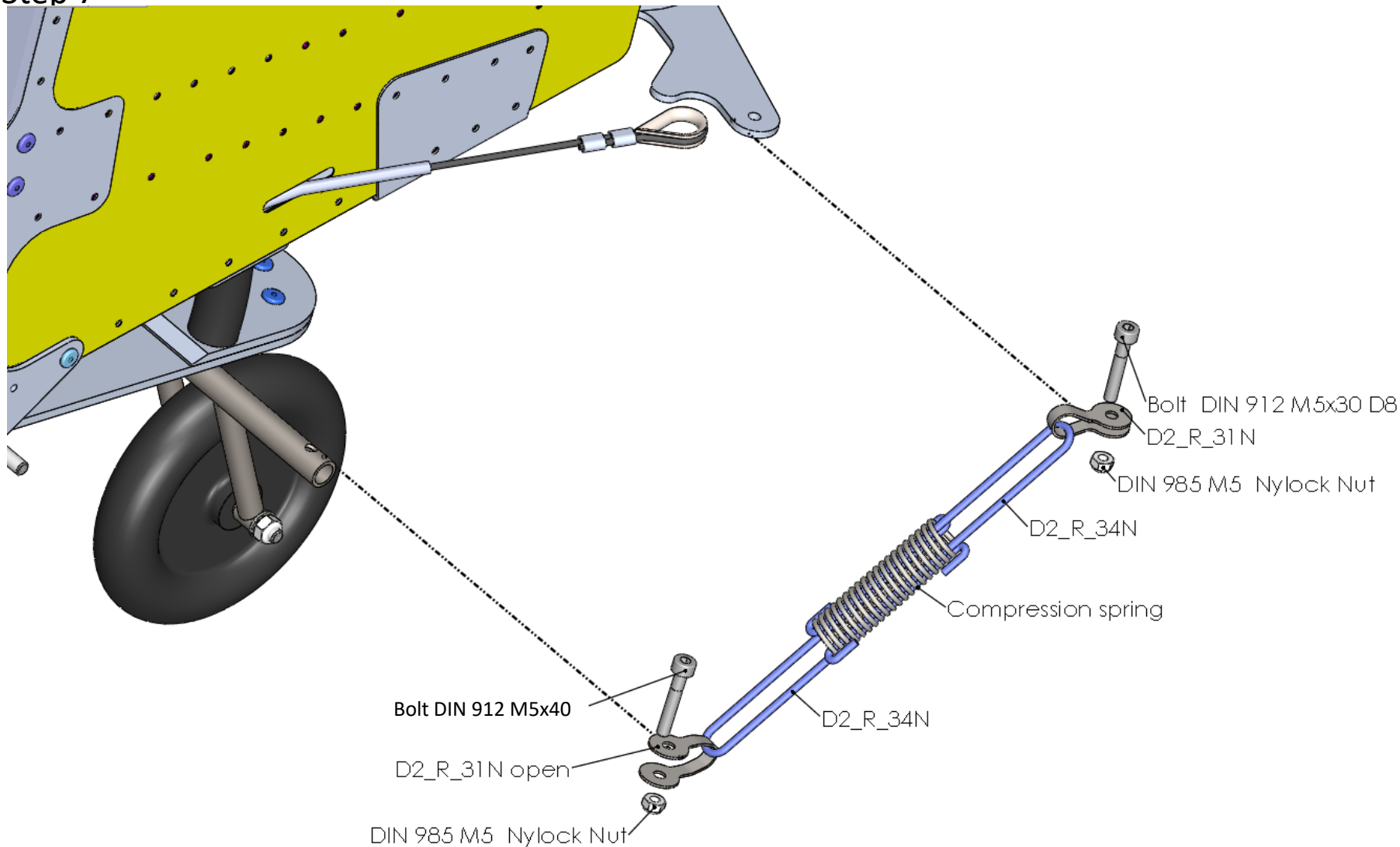
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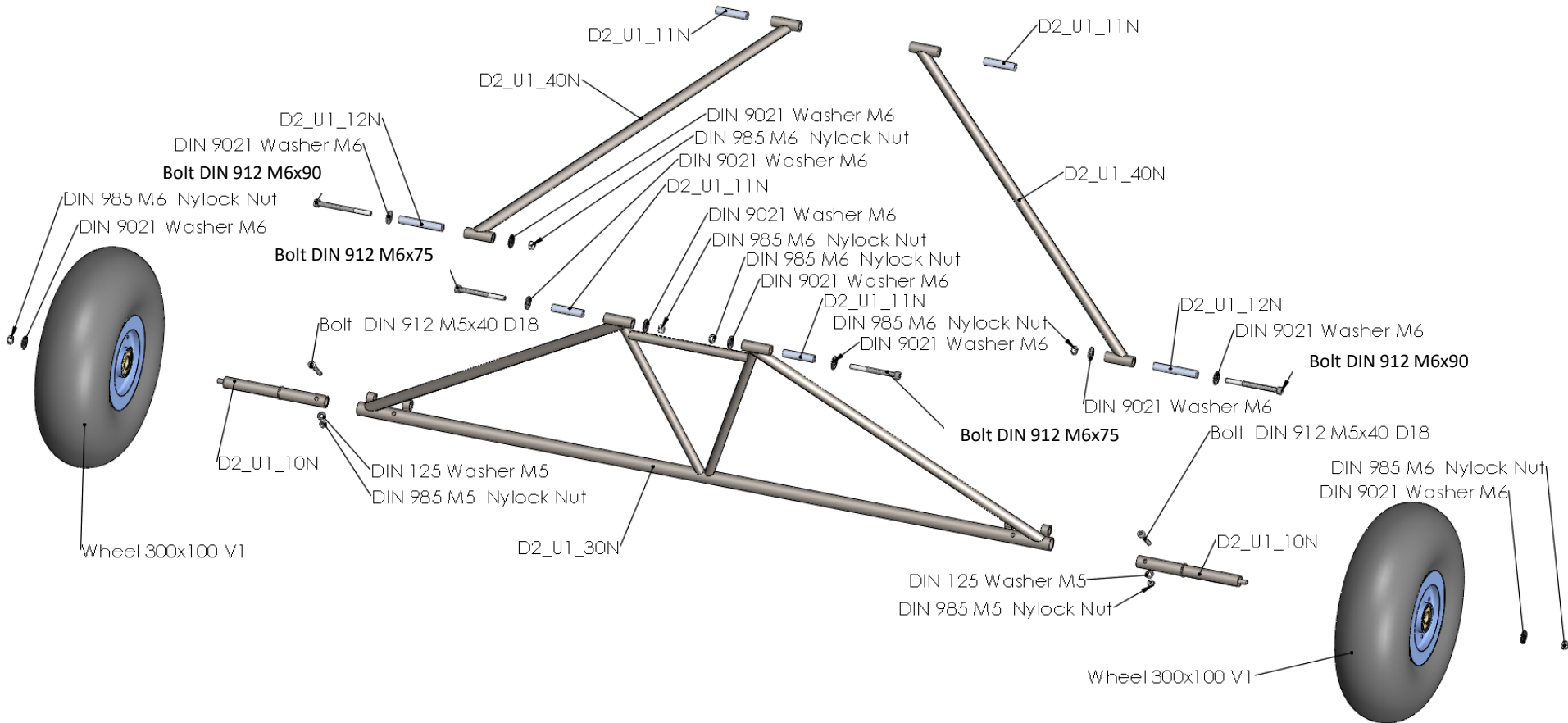
Step 7



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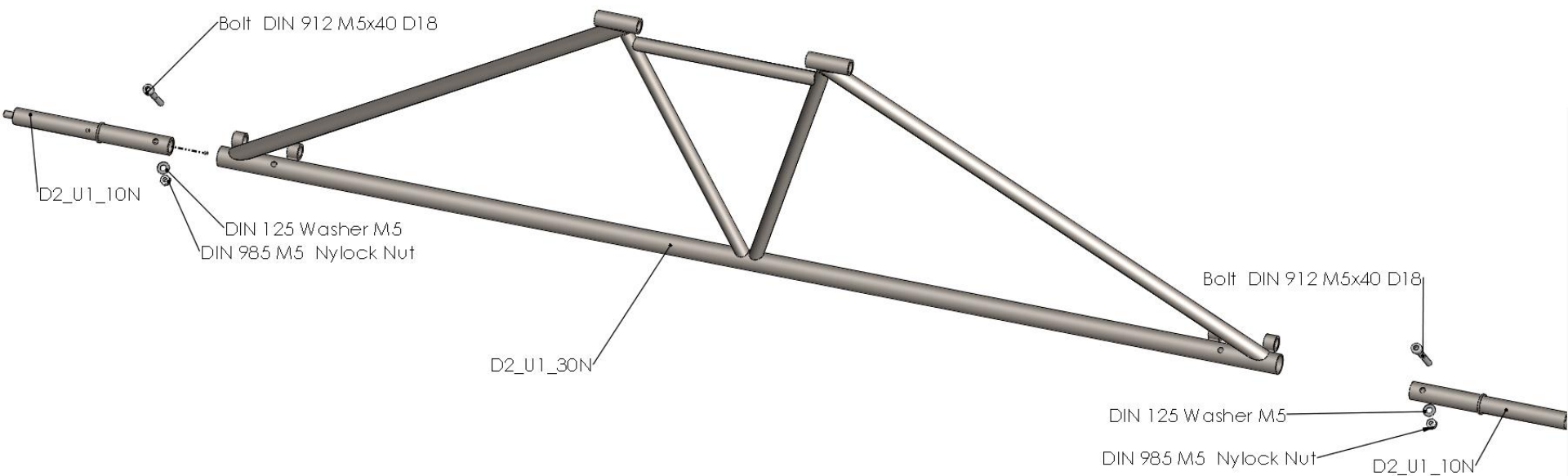
Step 8



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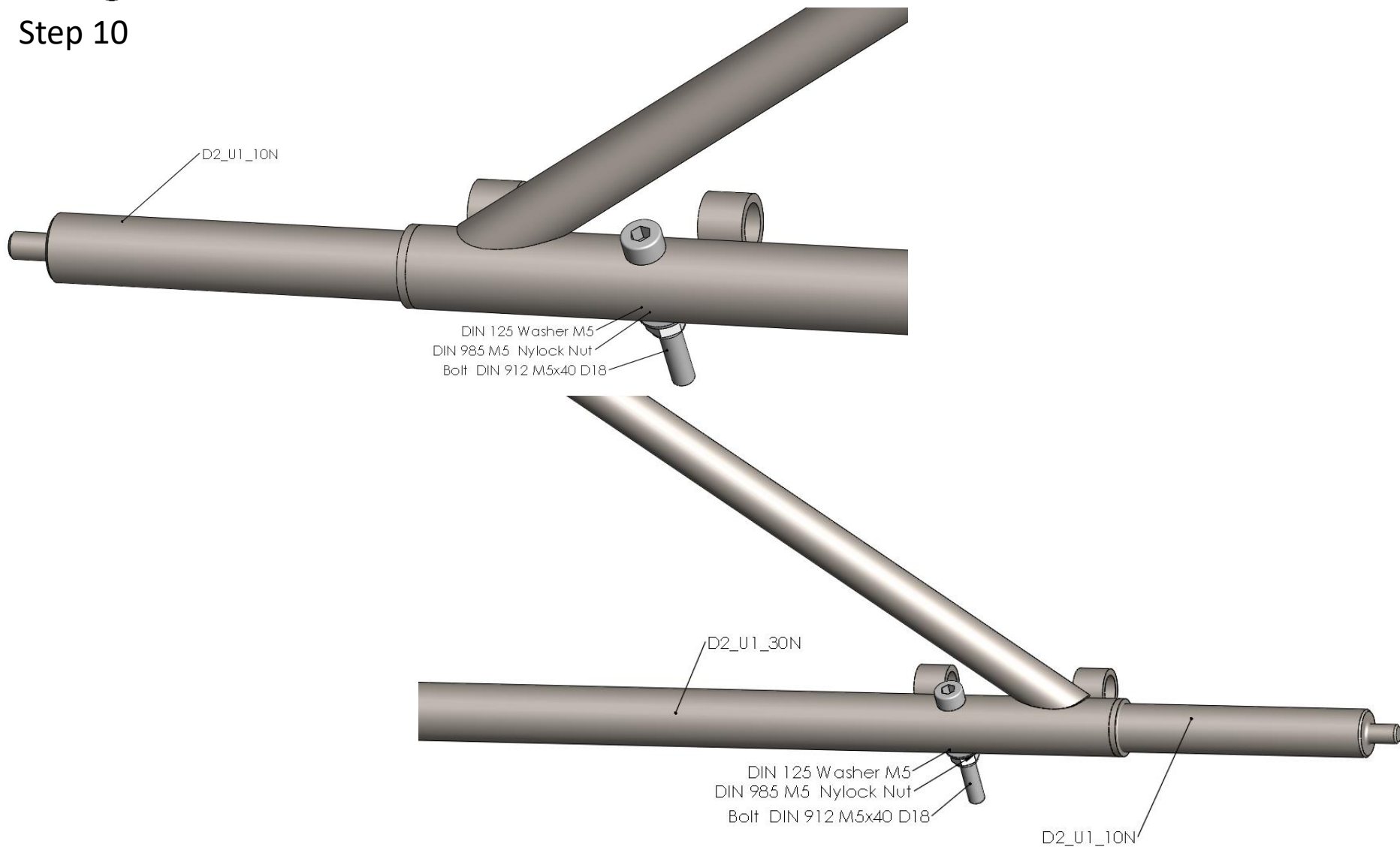
Step 9



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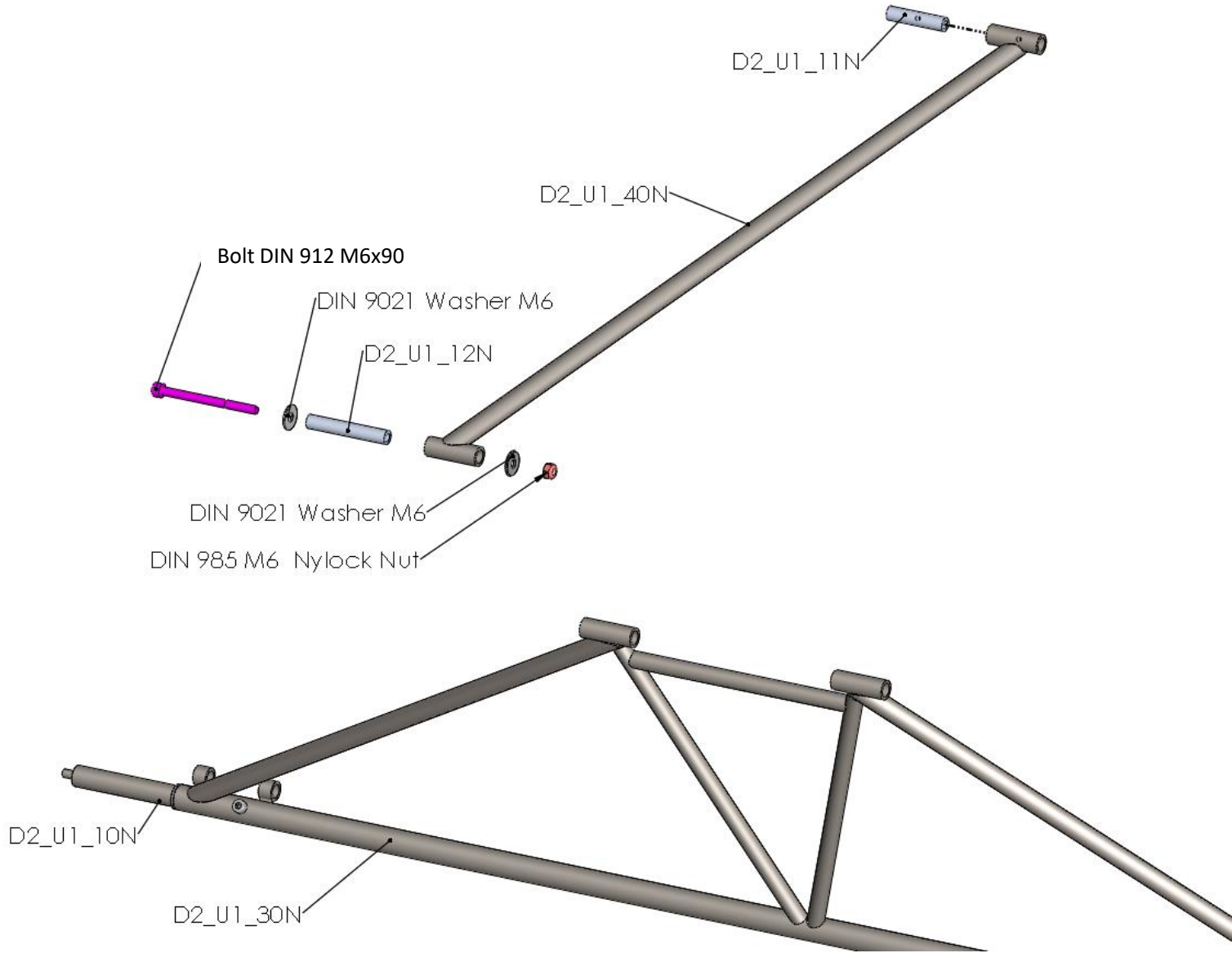
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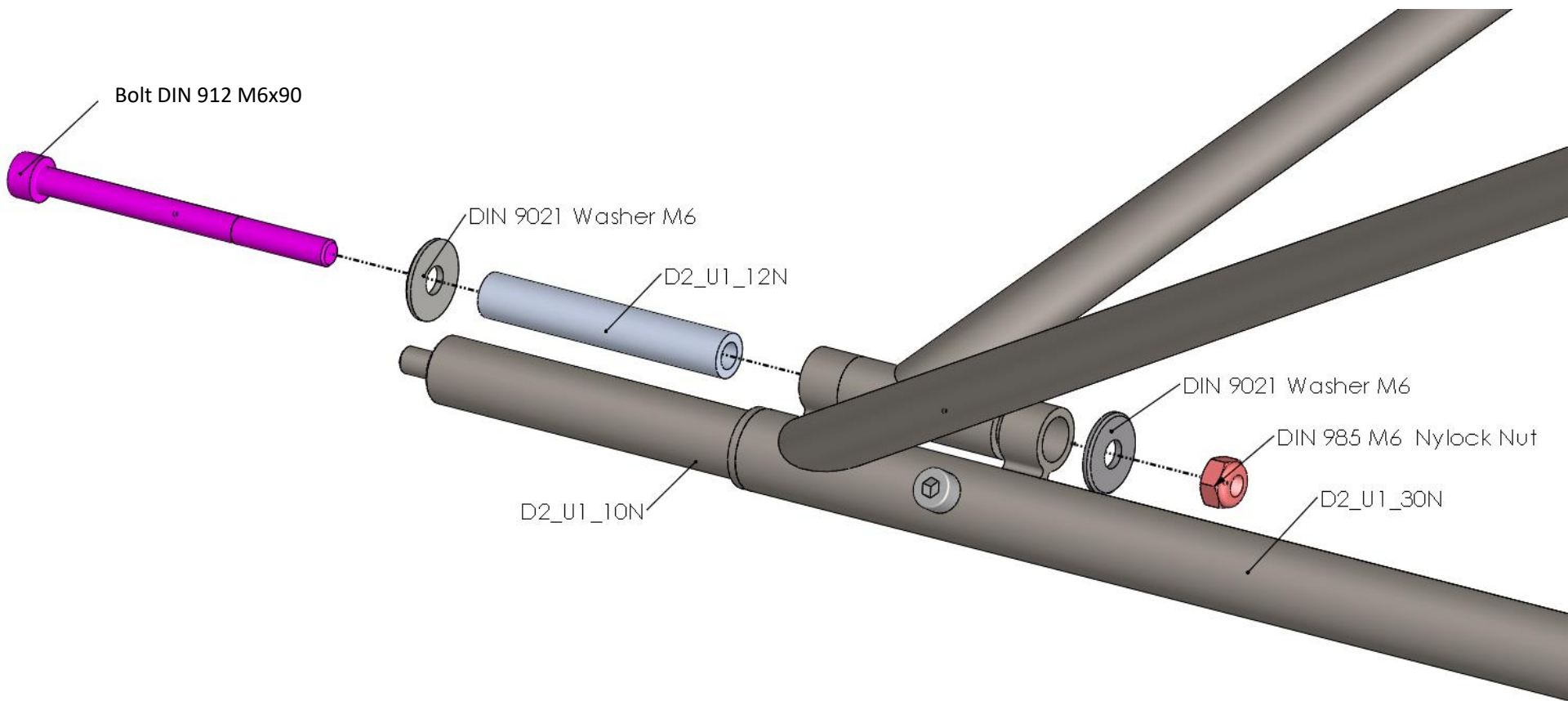
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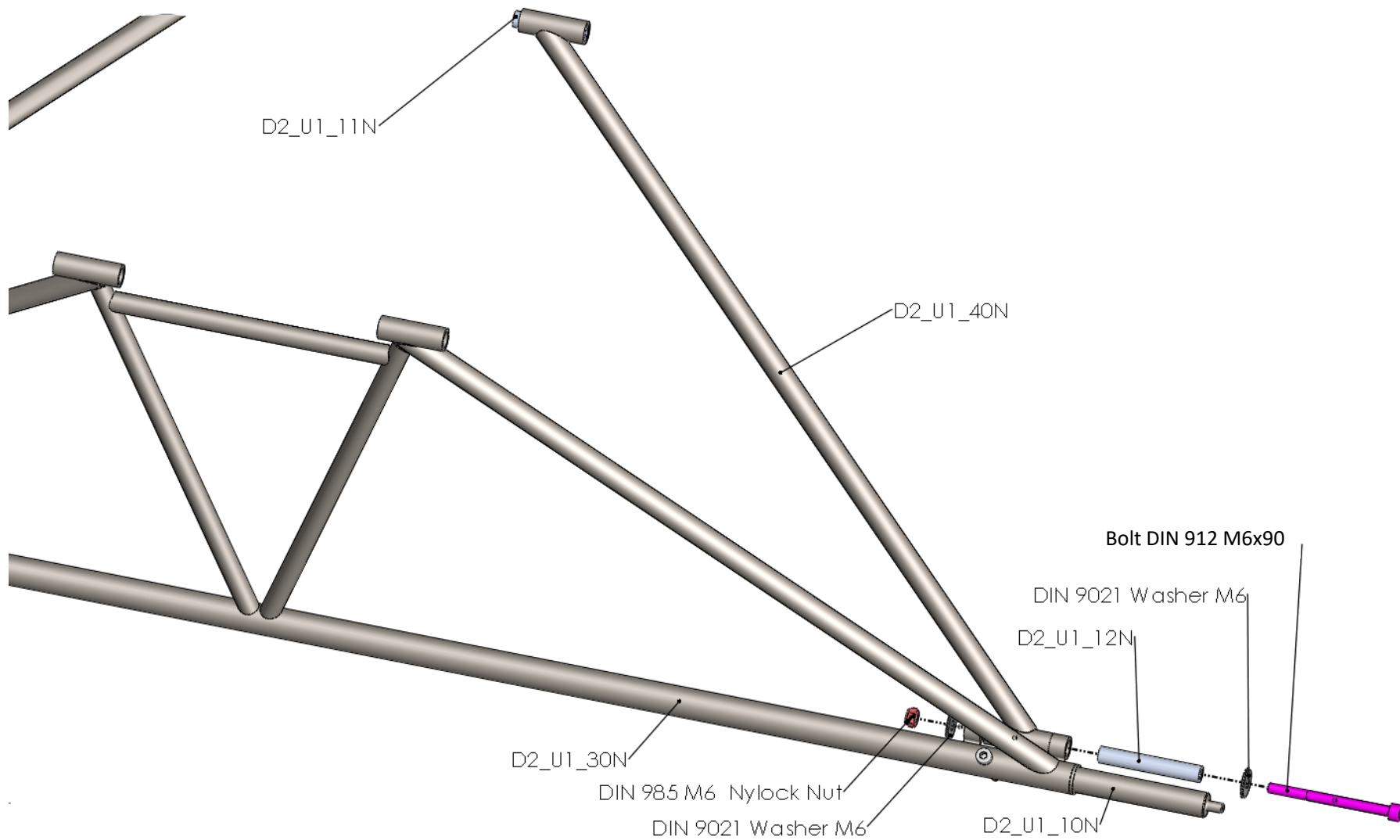
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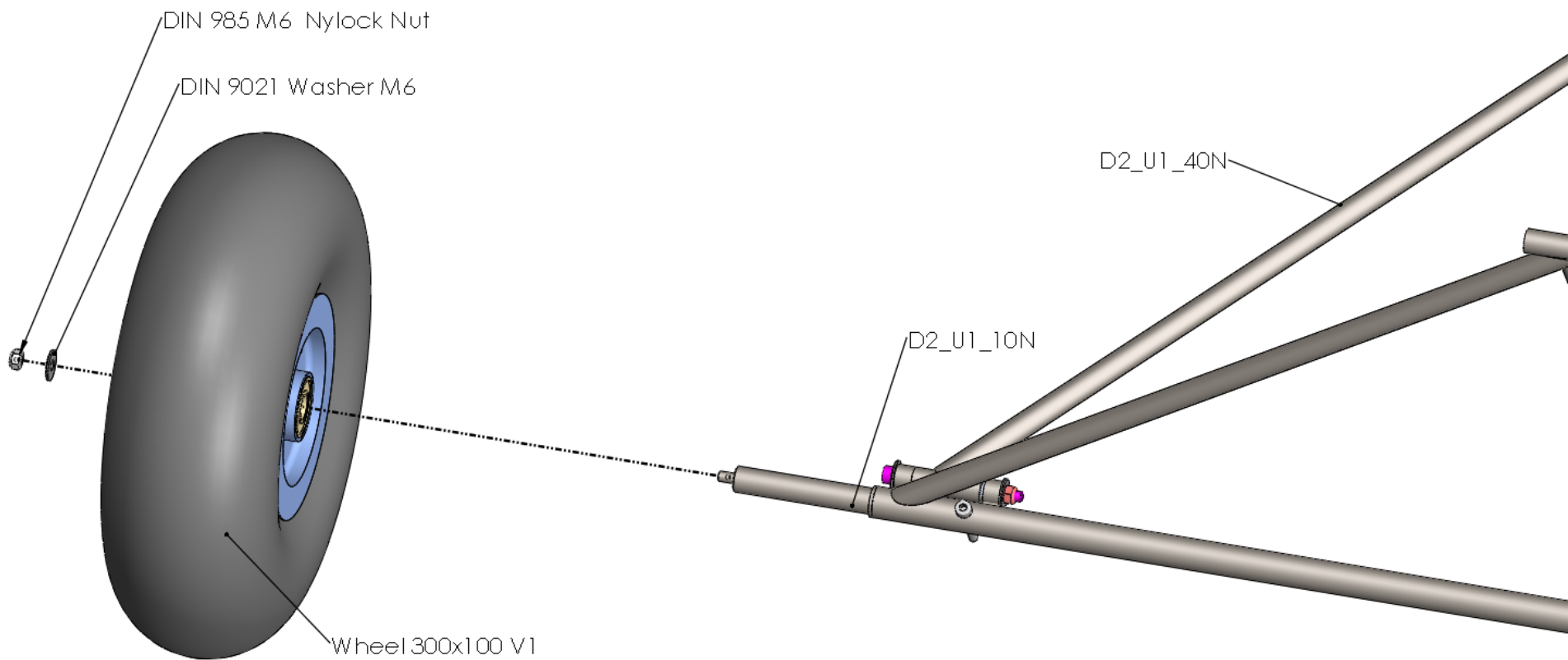
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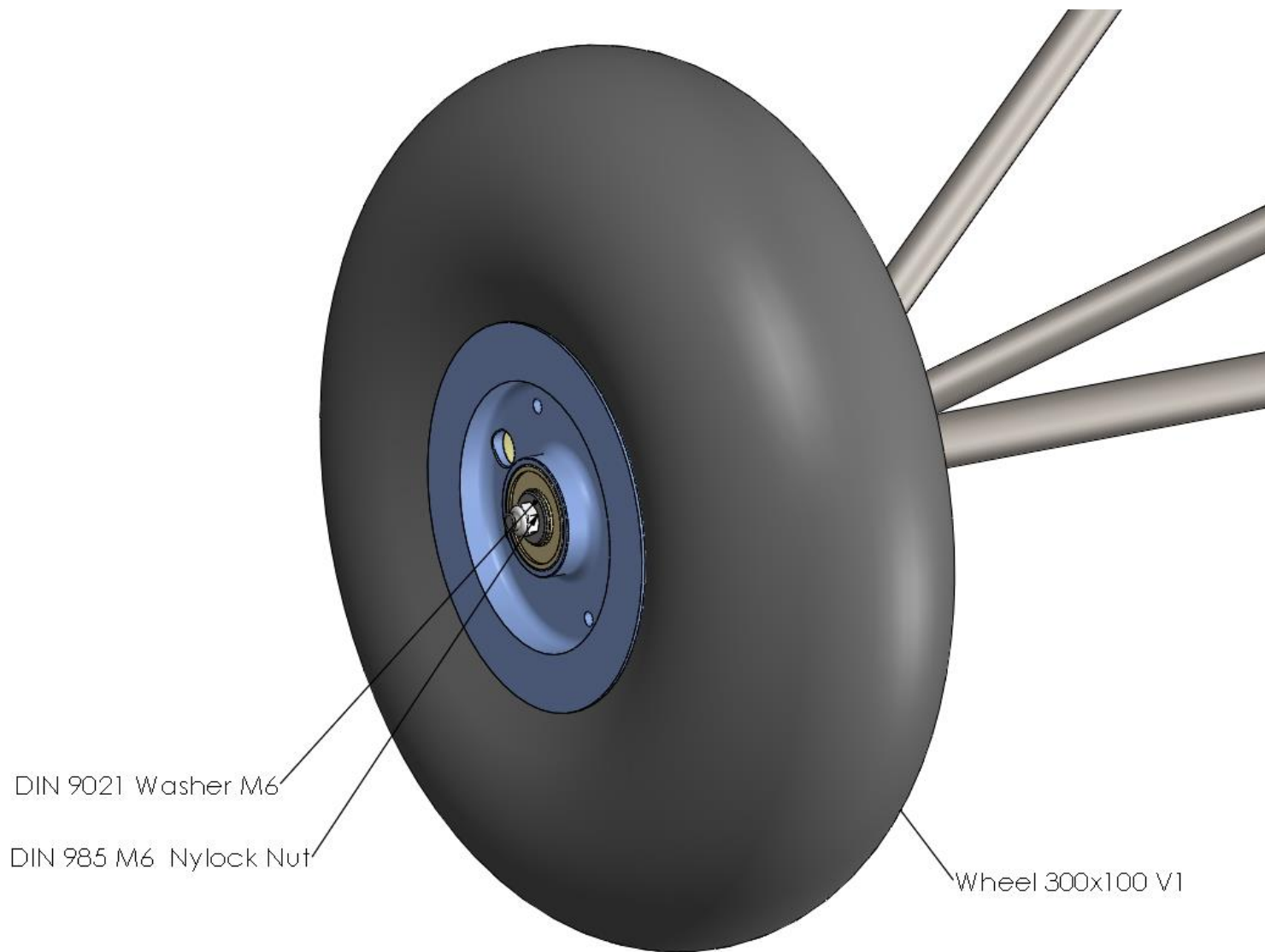
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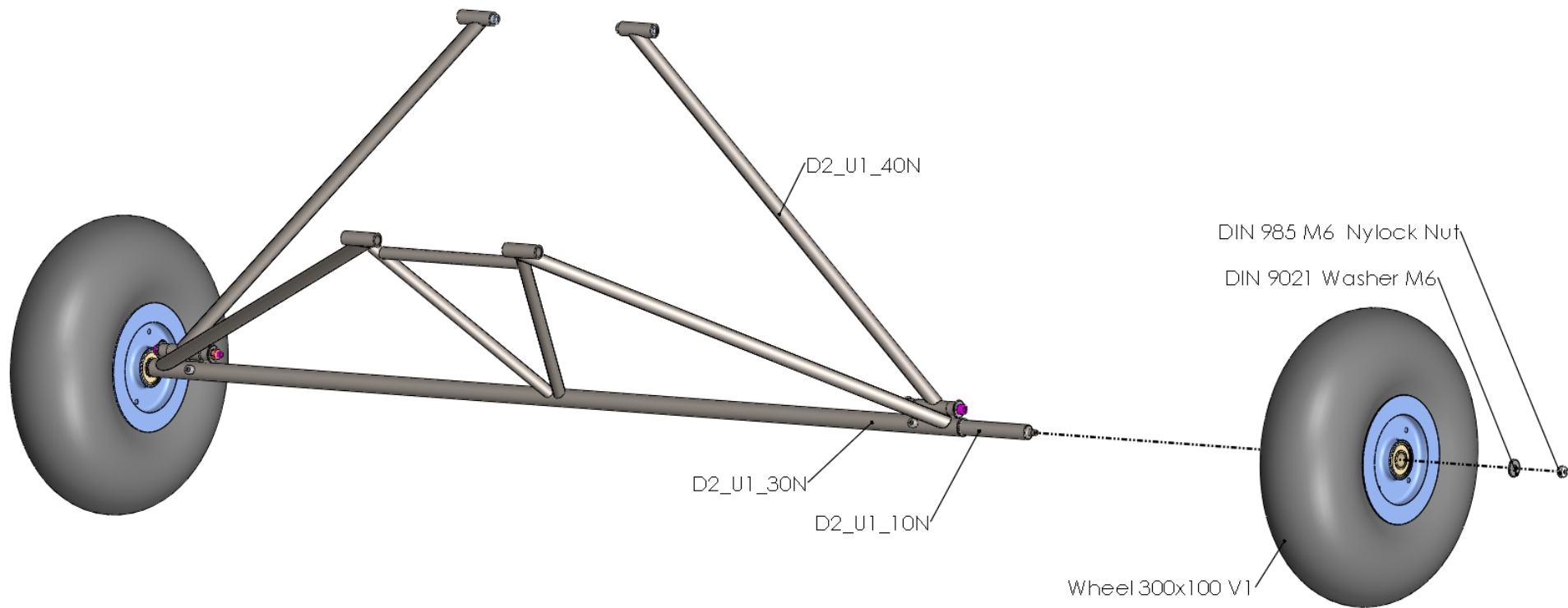
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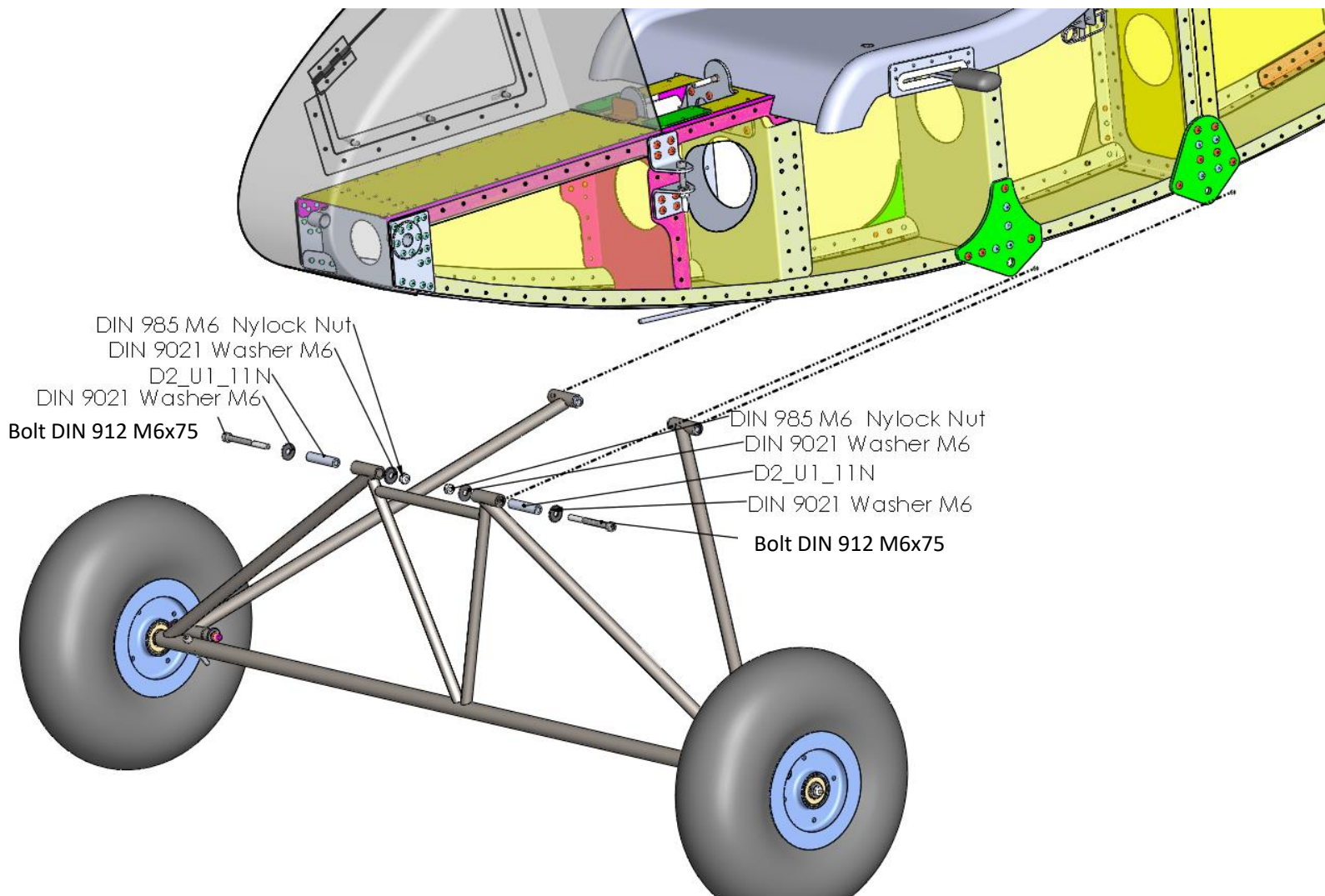
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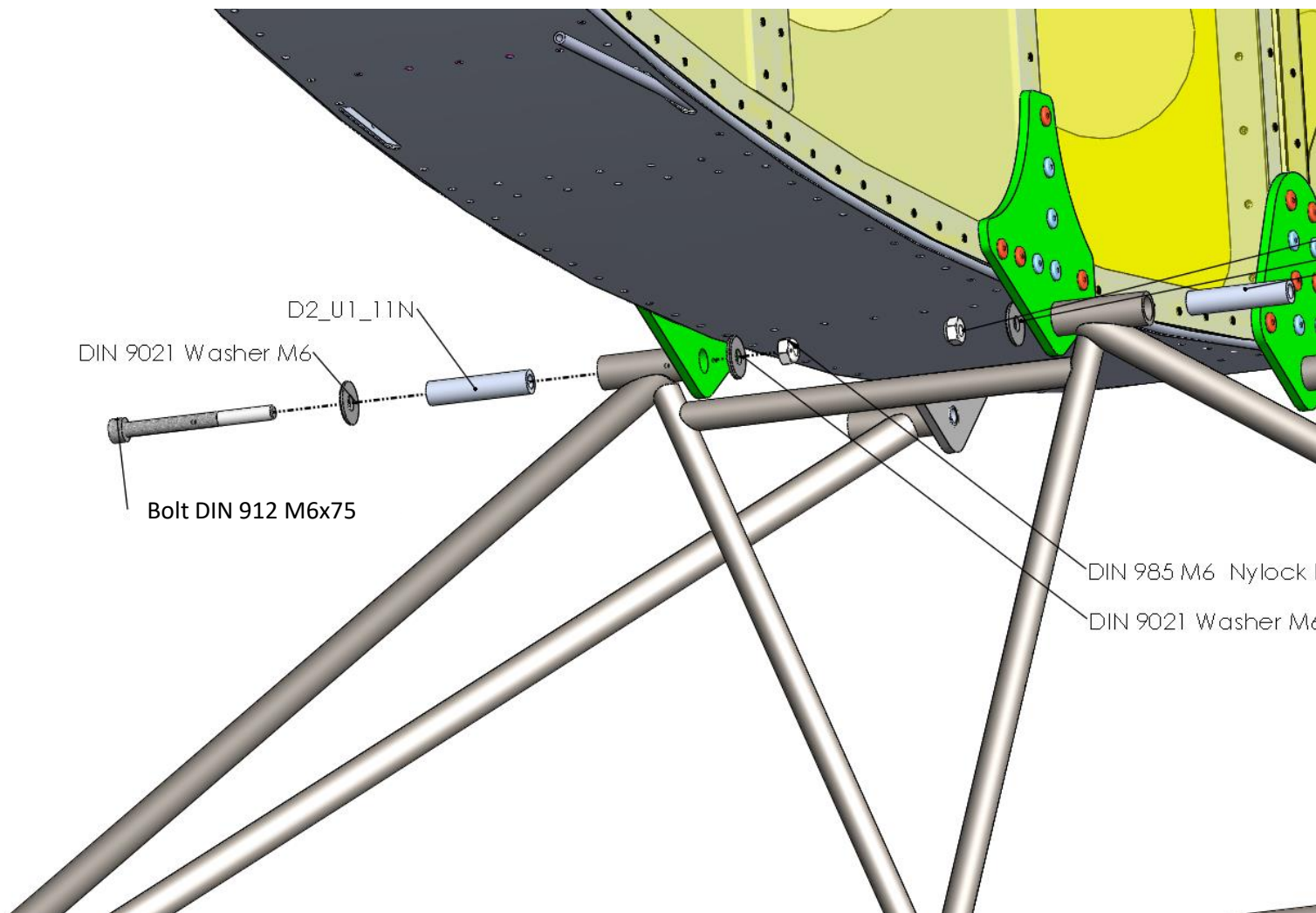
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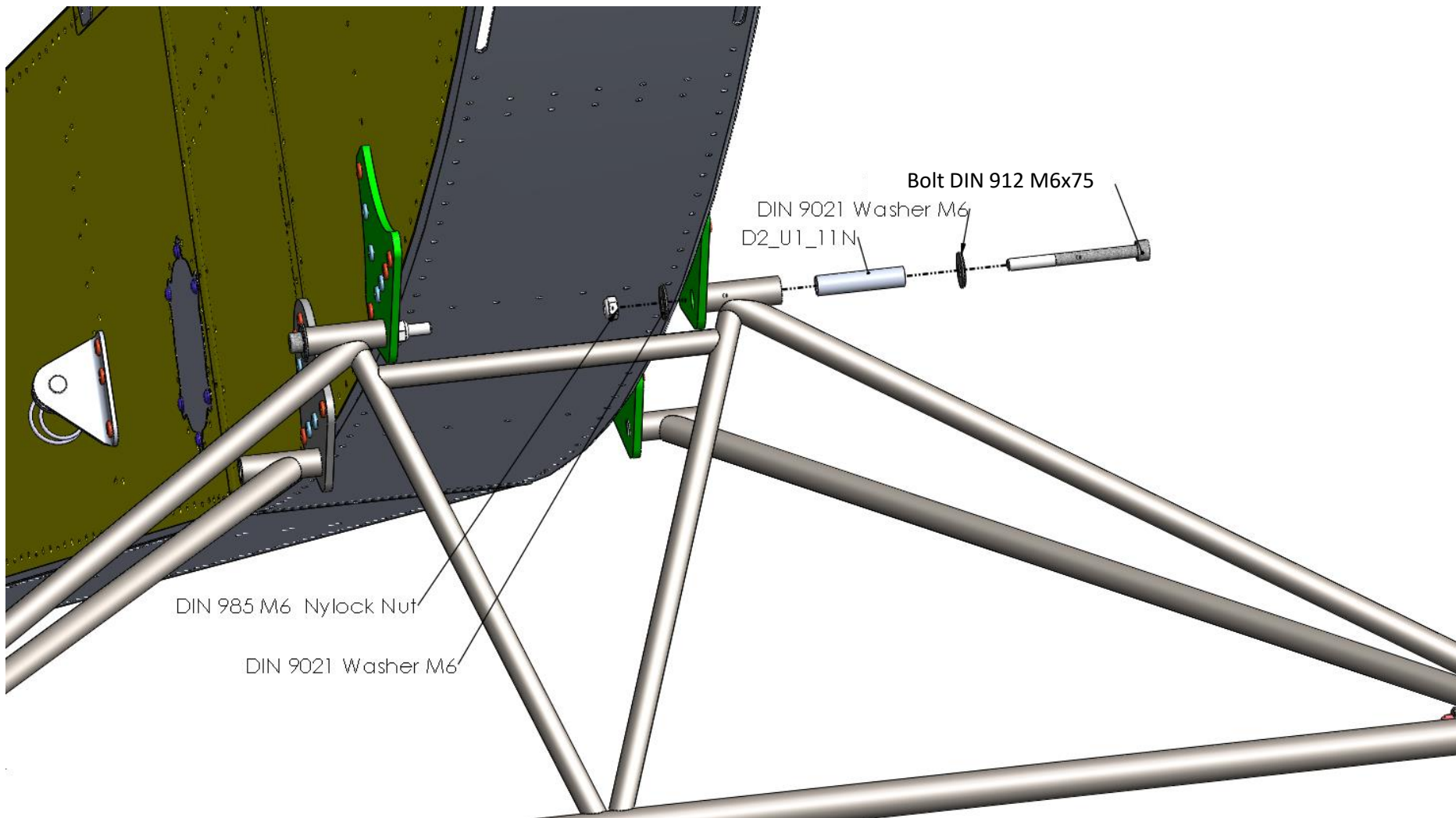
Step 18



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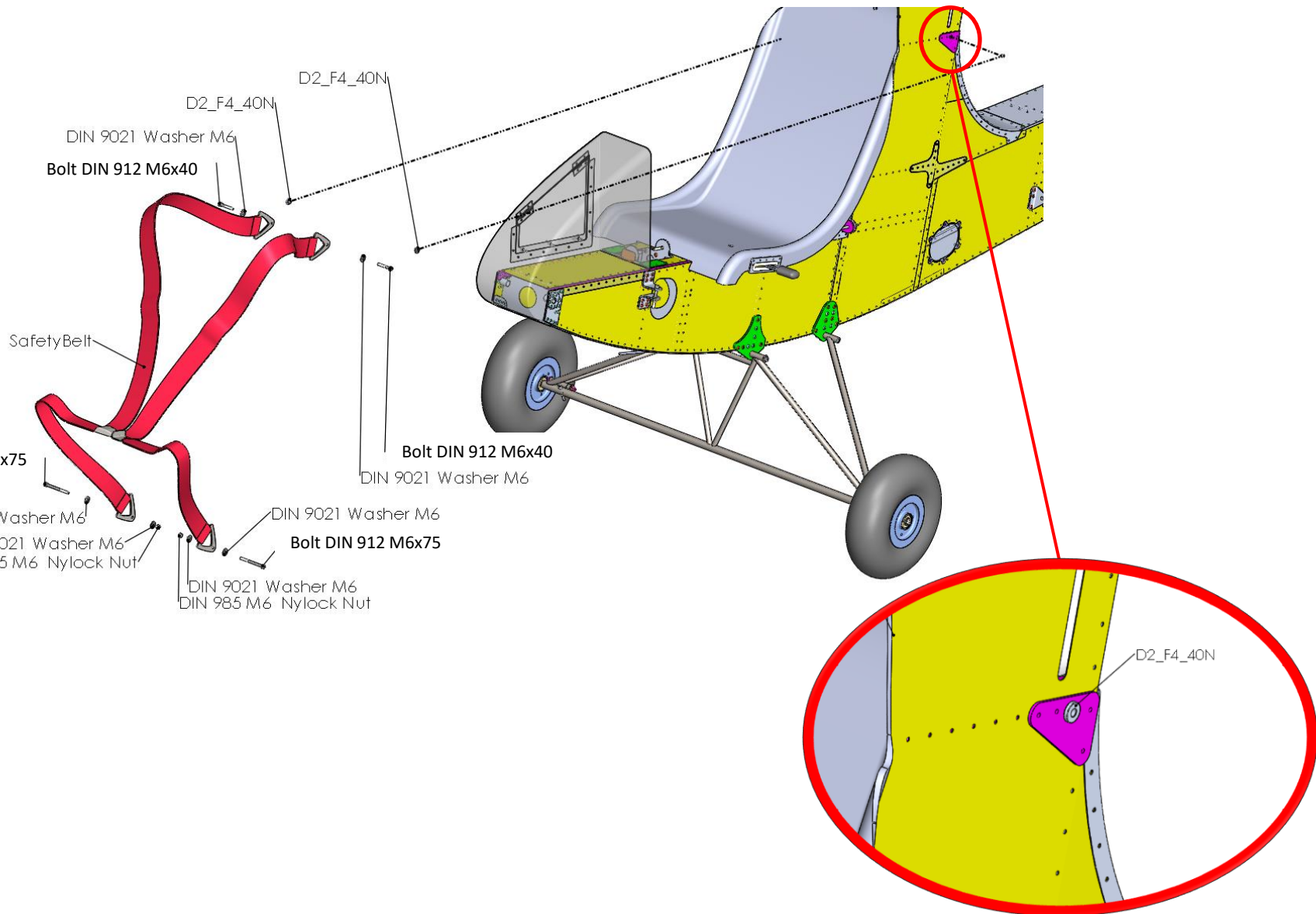
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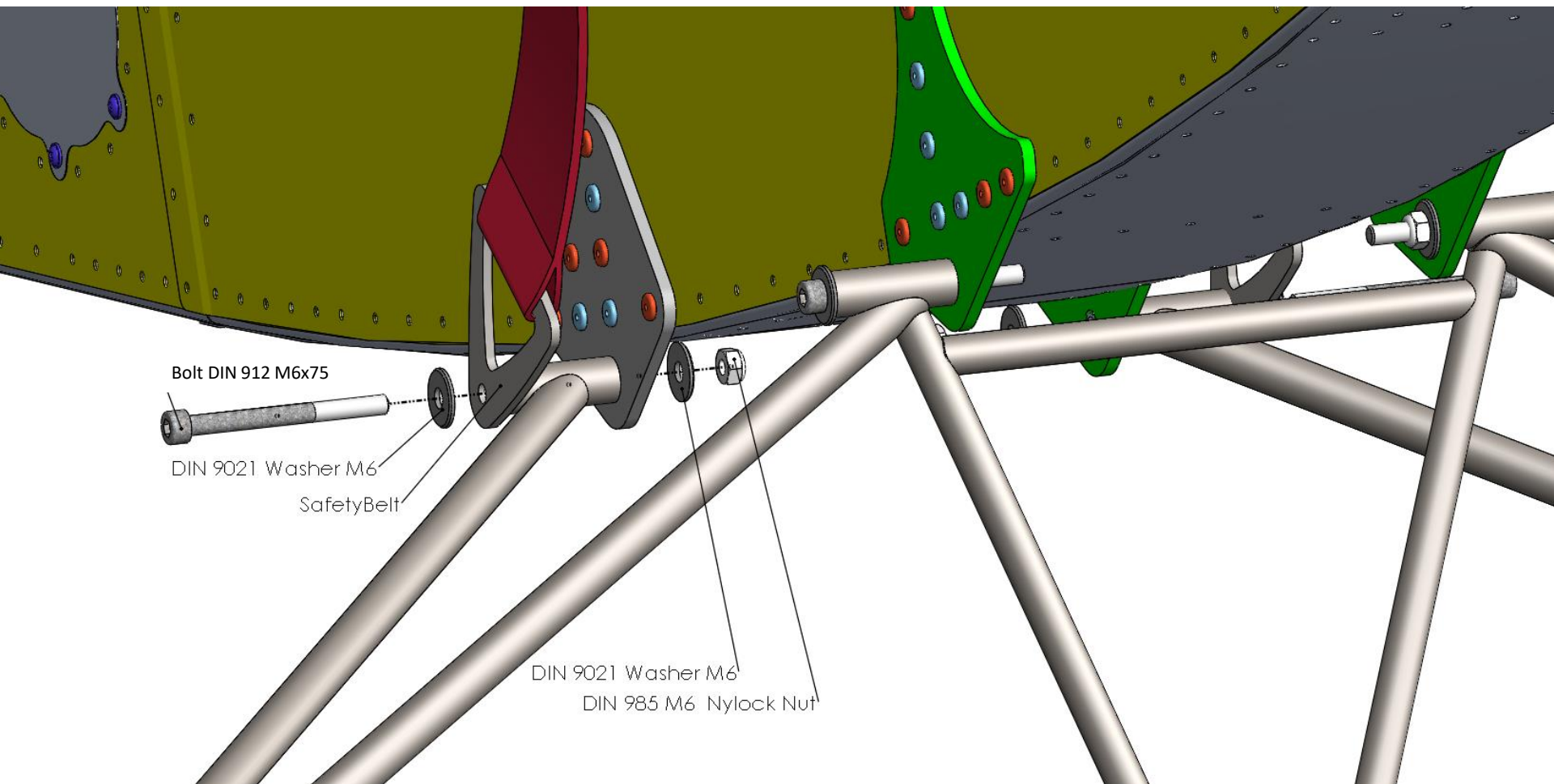
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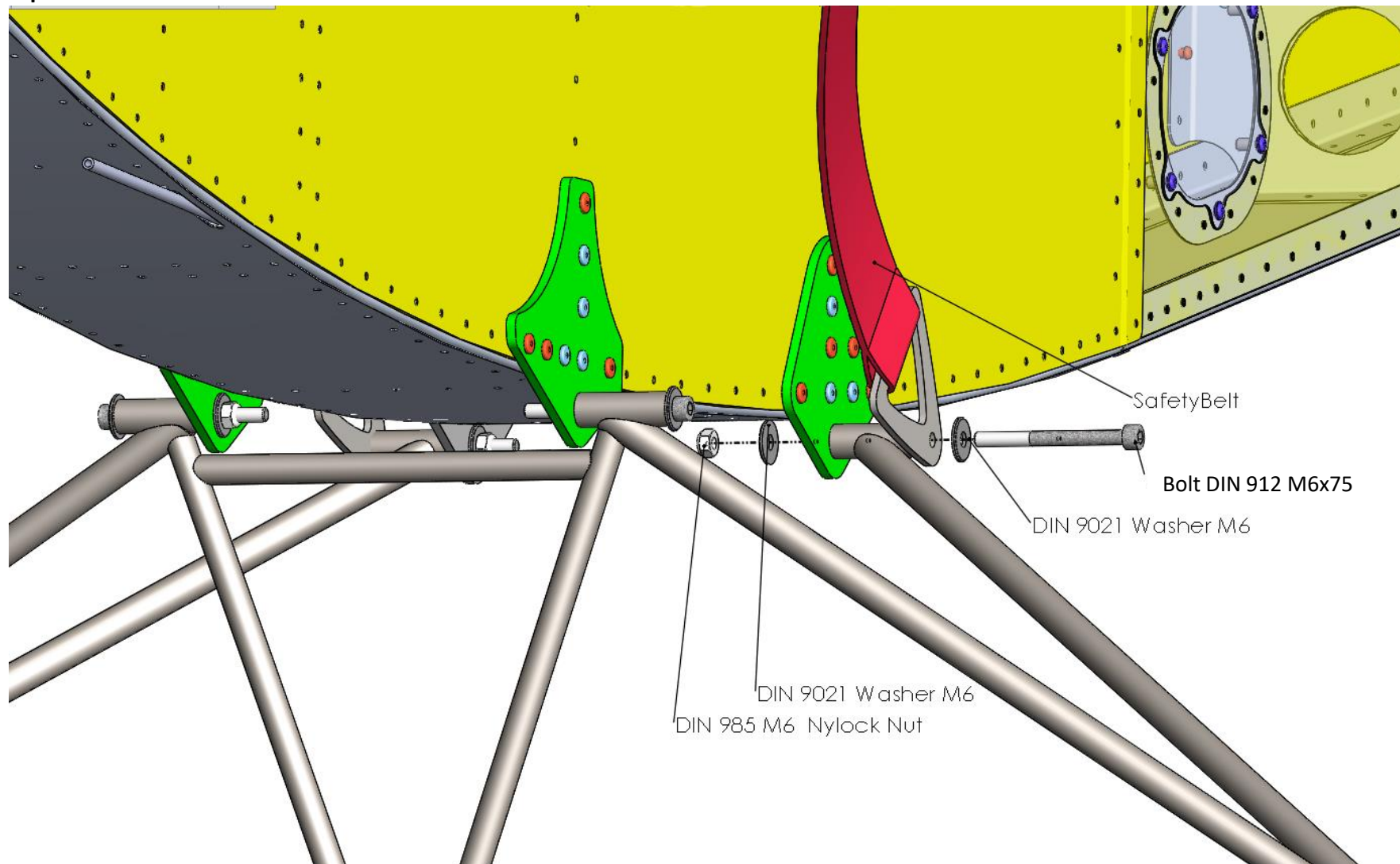
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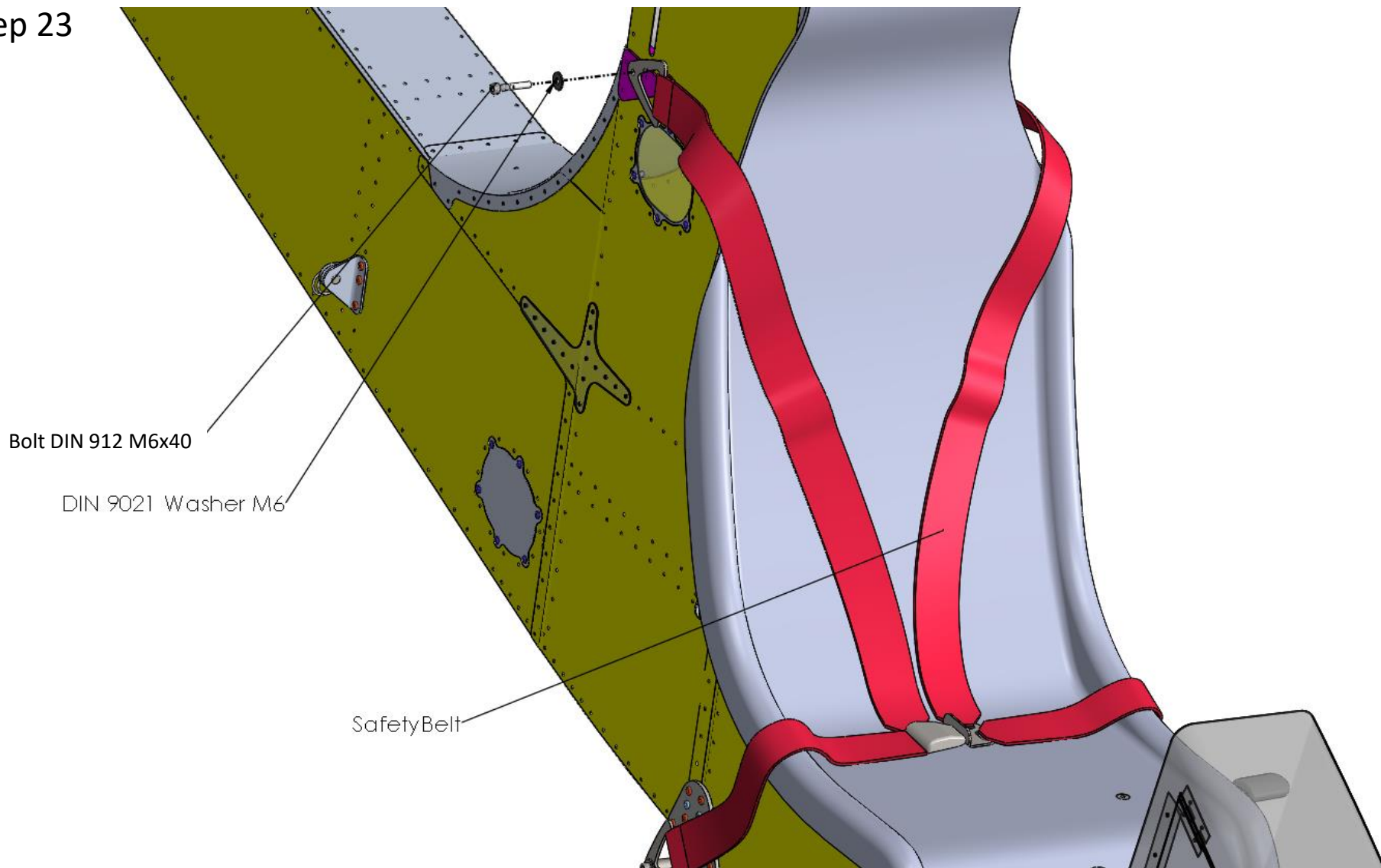
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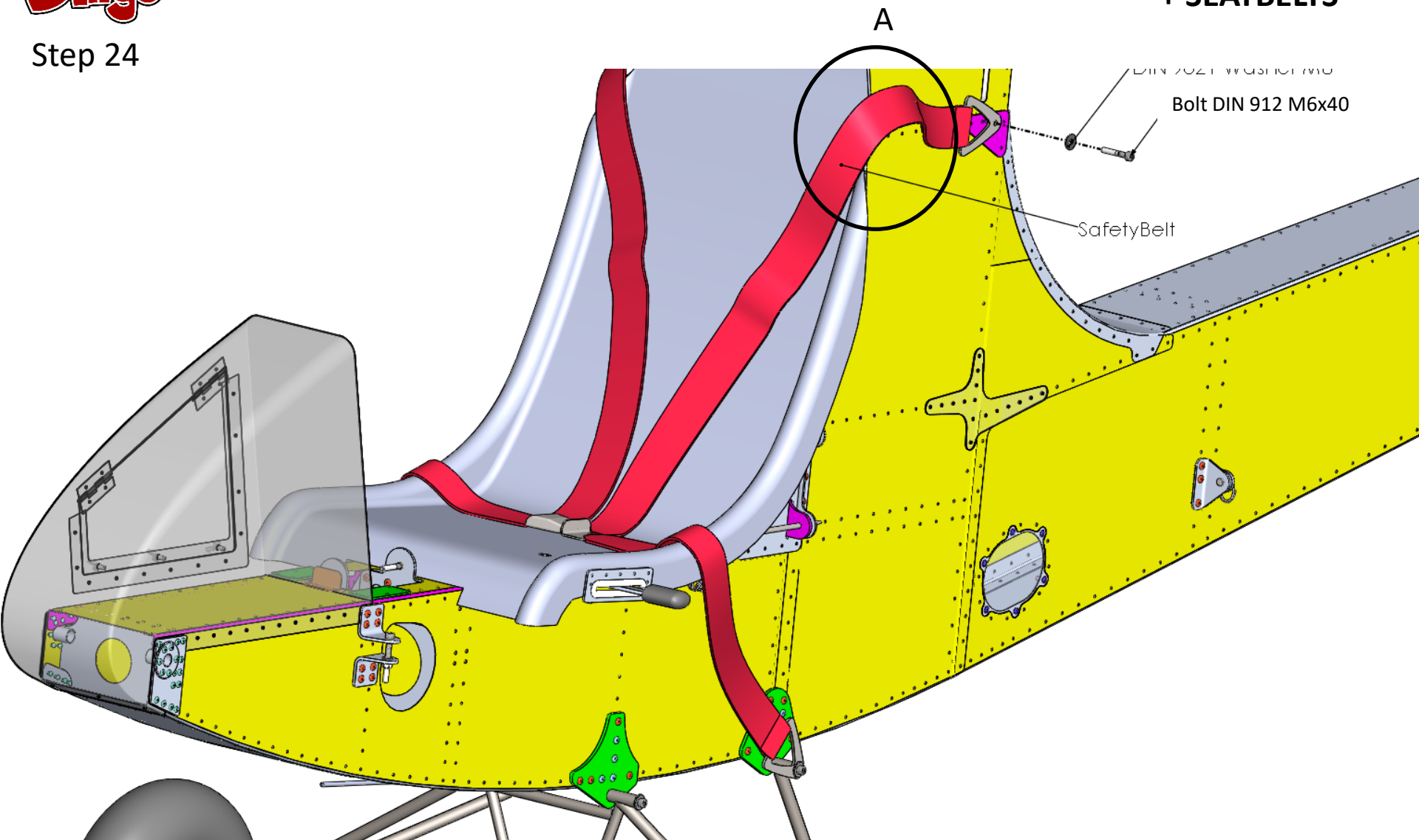
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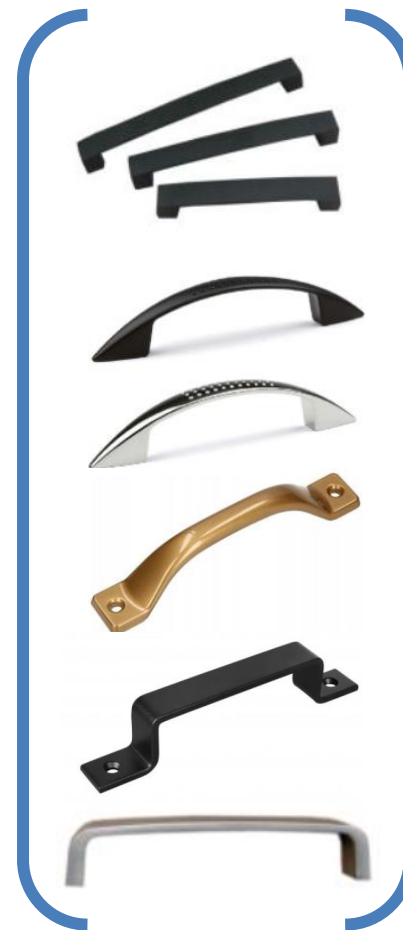
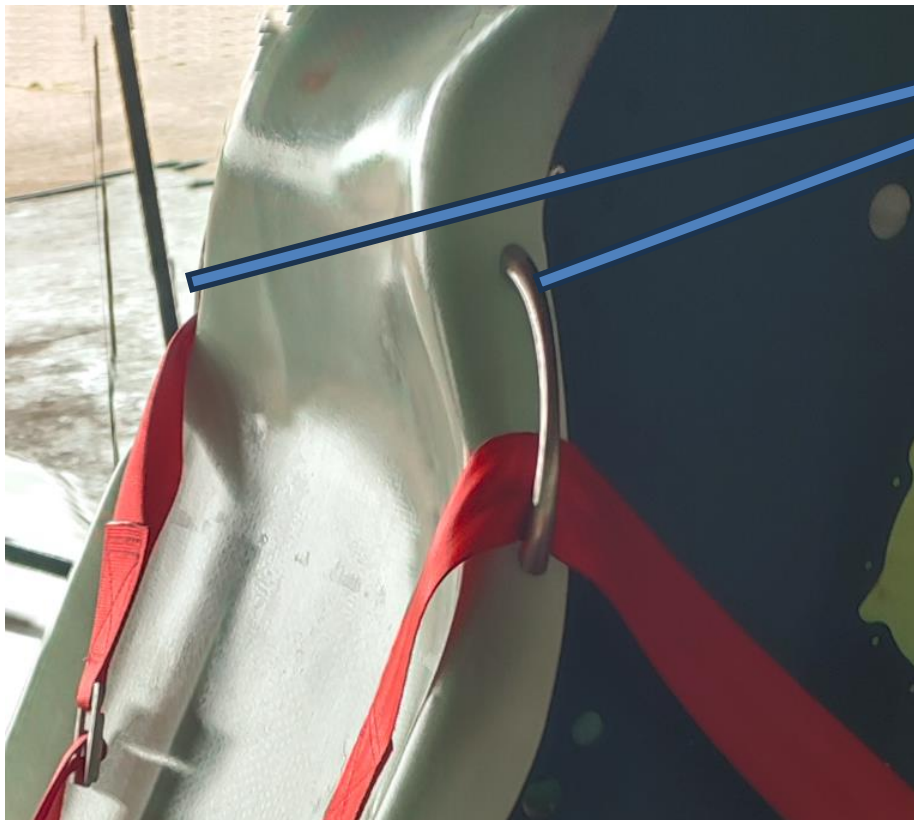
Step 24



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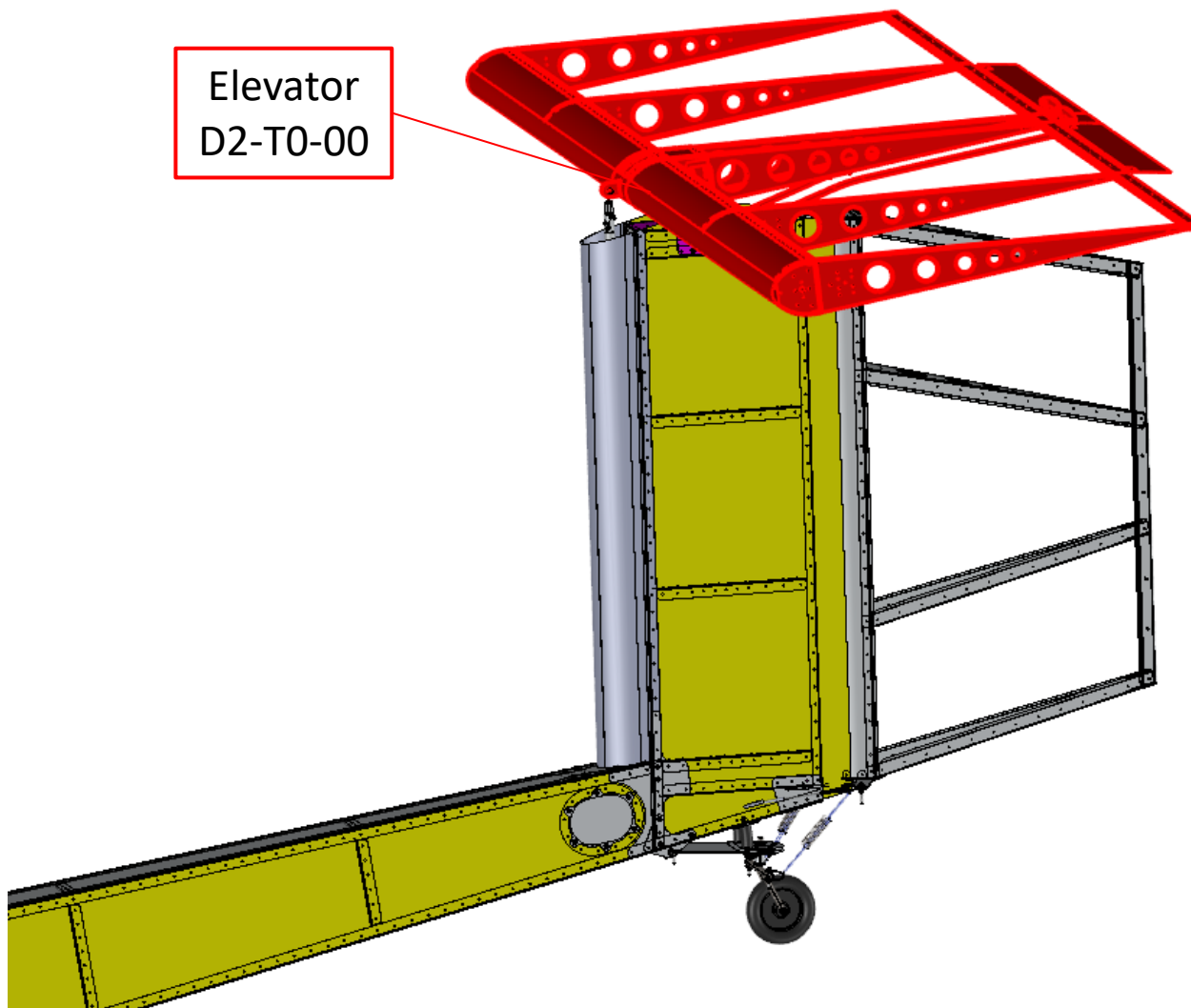
Step 24-A



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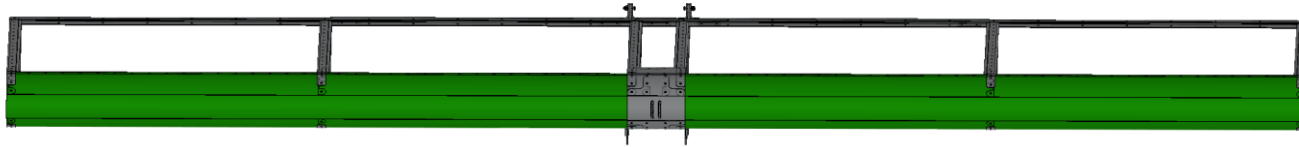
PART 3 – INSTALLATION OF ELEVATOR



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D2_T0_00
1 pc



D2_T2_11N
1 pc



D2_SP_02
2 pcs



D2_T4_20N
1 pc



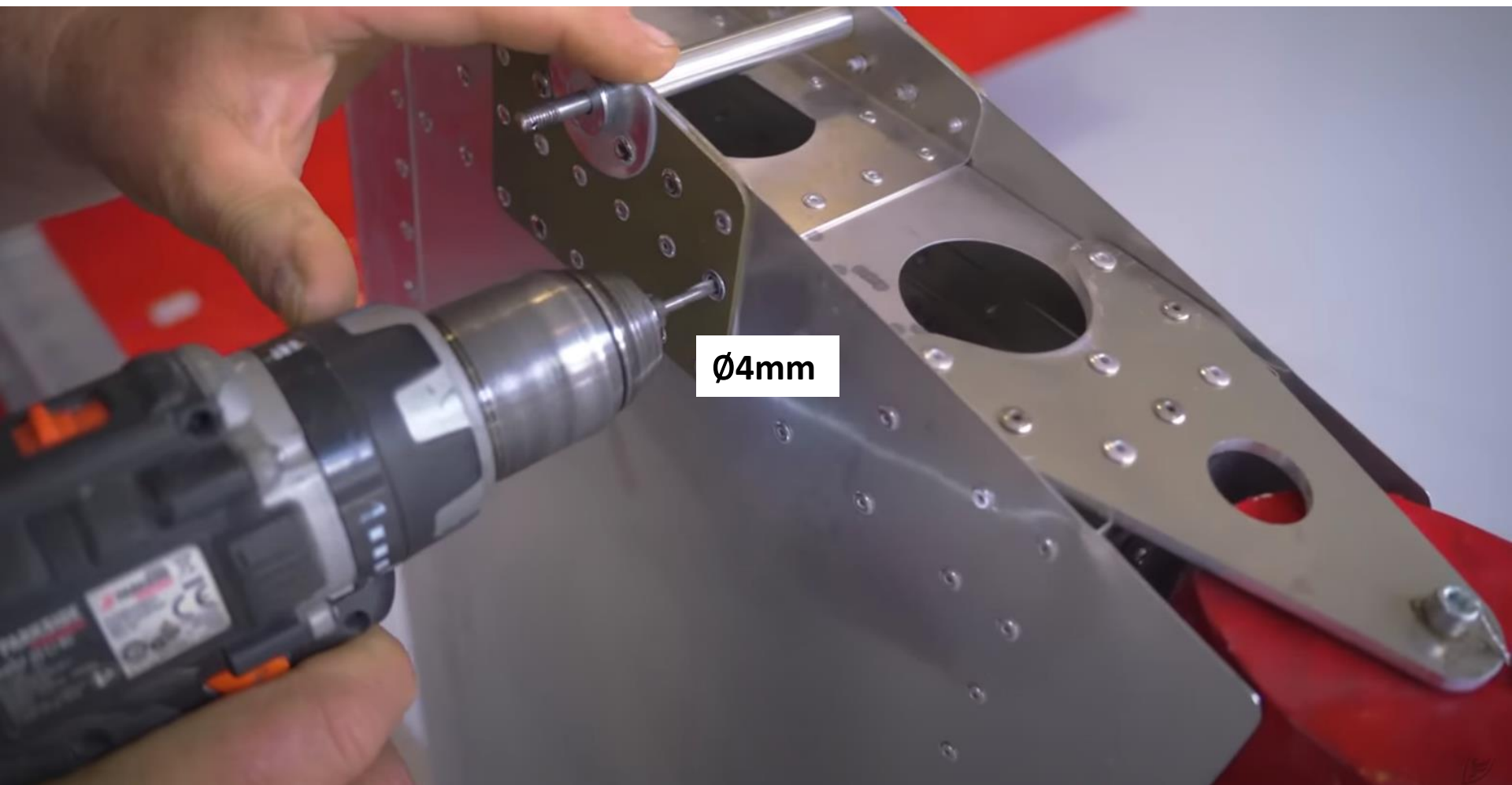
Standard parts

Bolt DIN 912 M6x45	1 pc
Washer DIN 125 M4	2 pcs
Washer DIN 125 M6	1 pc
Washer DIN 9021 M6	2 pcs
Nylock nut DIN 985 M4	2 pcs
Nylock nut DIN 985 M6	3 pcs
Cotter pin DIN 94-1,6x10 A2	2 pcs
Cotter pin DIN 94-1,2x8 A2	2 pcs
Edge trim	0,3m

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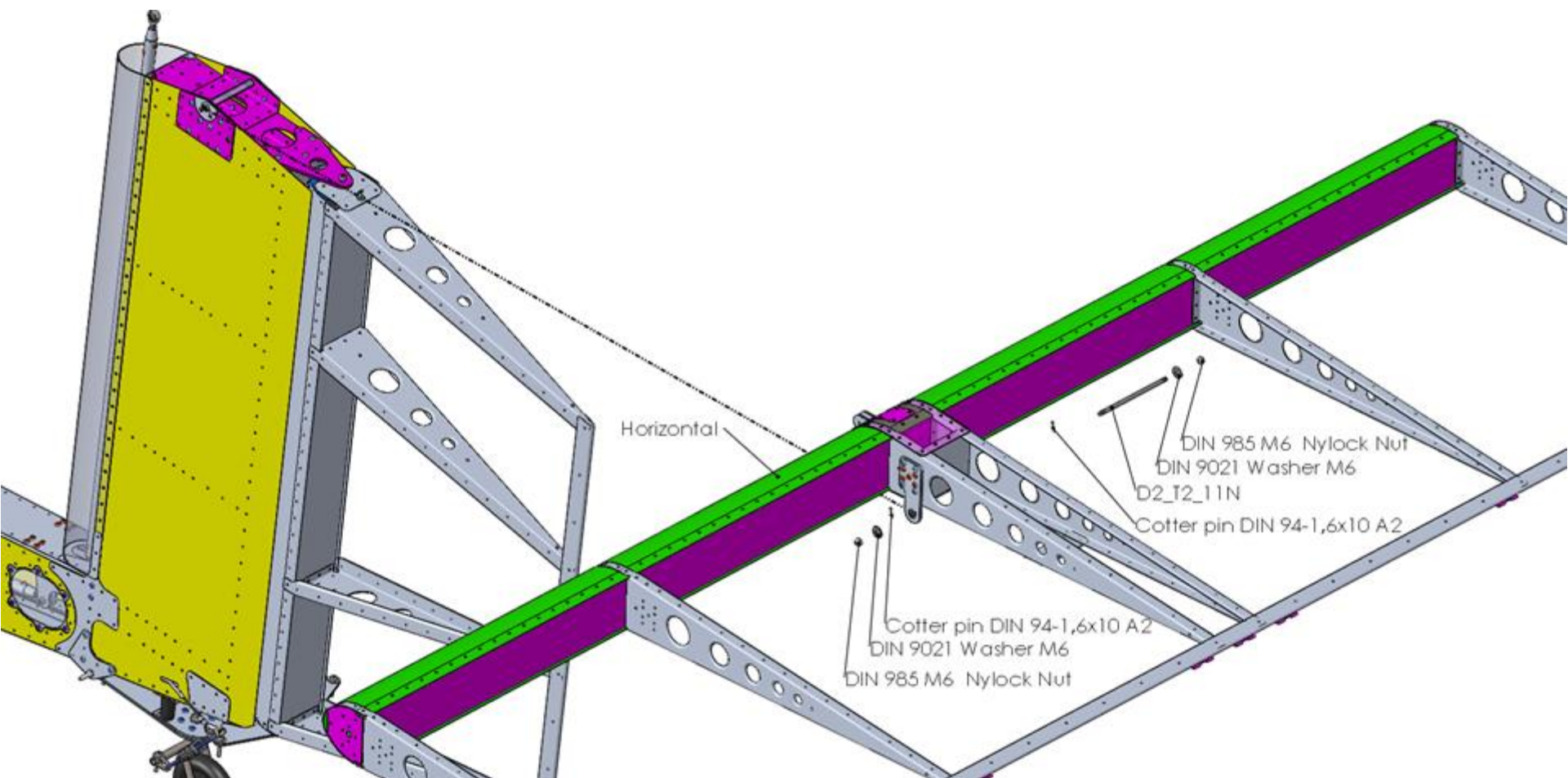
Step 1



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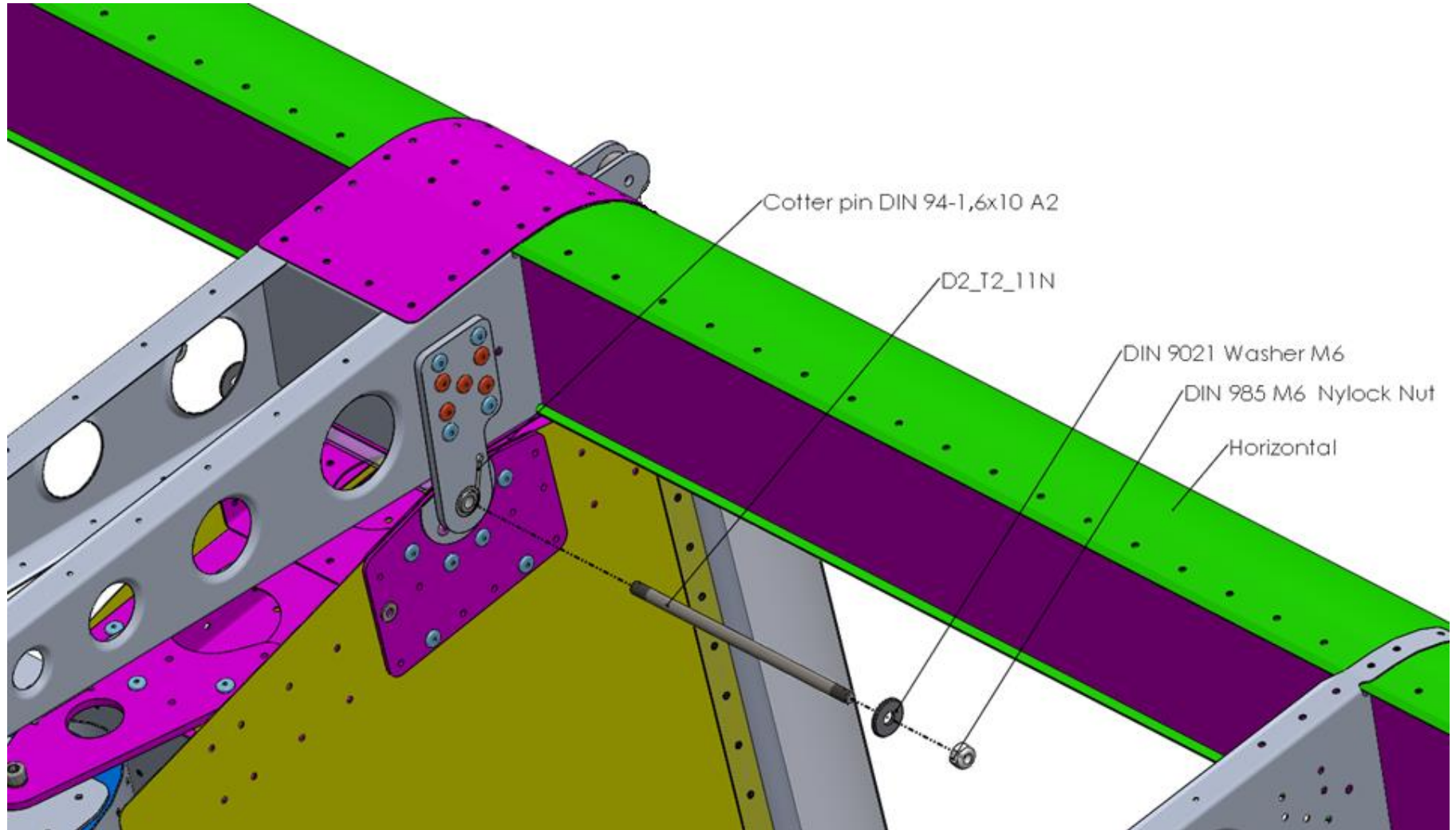
Step 2



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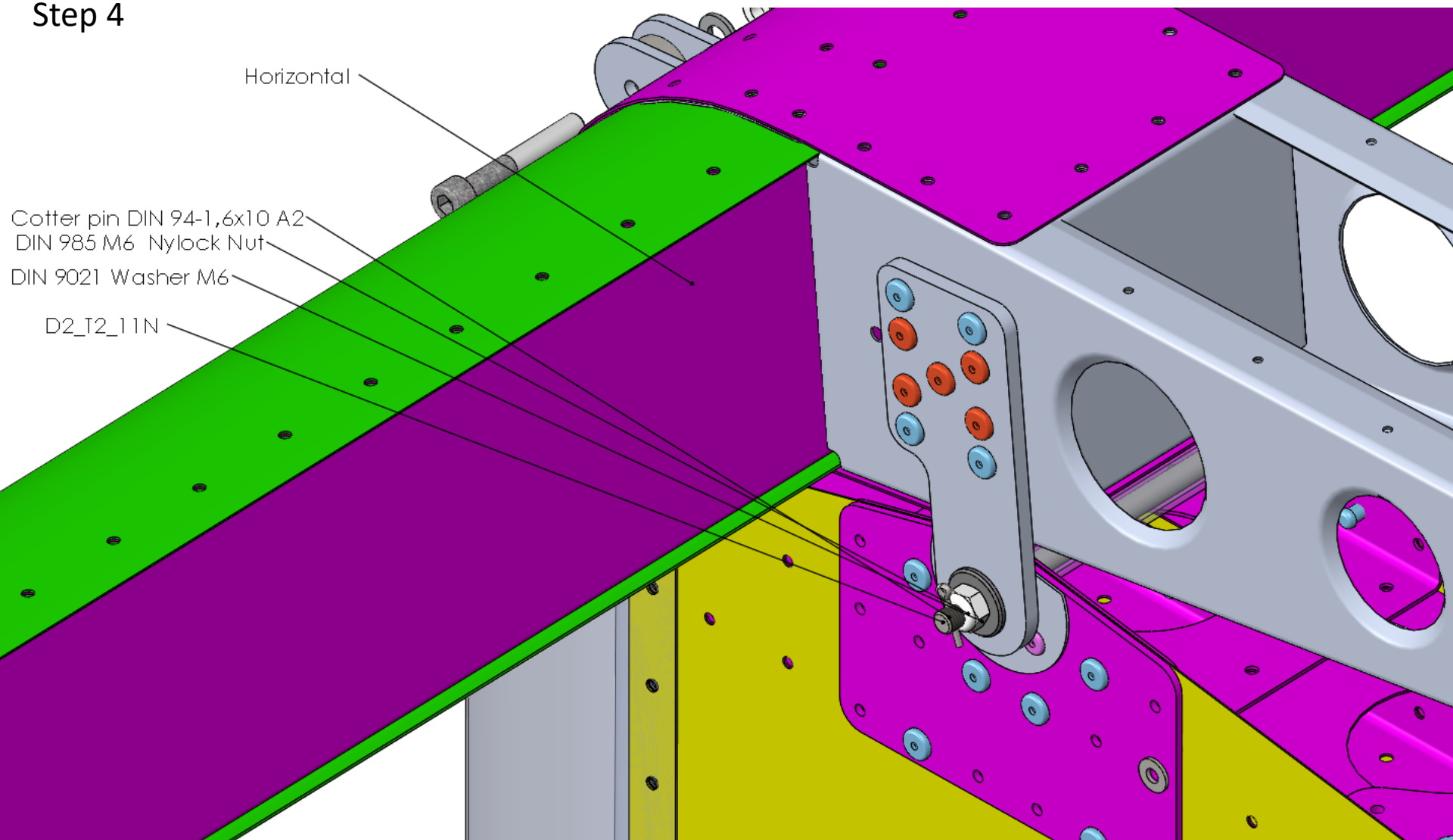
Step 3



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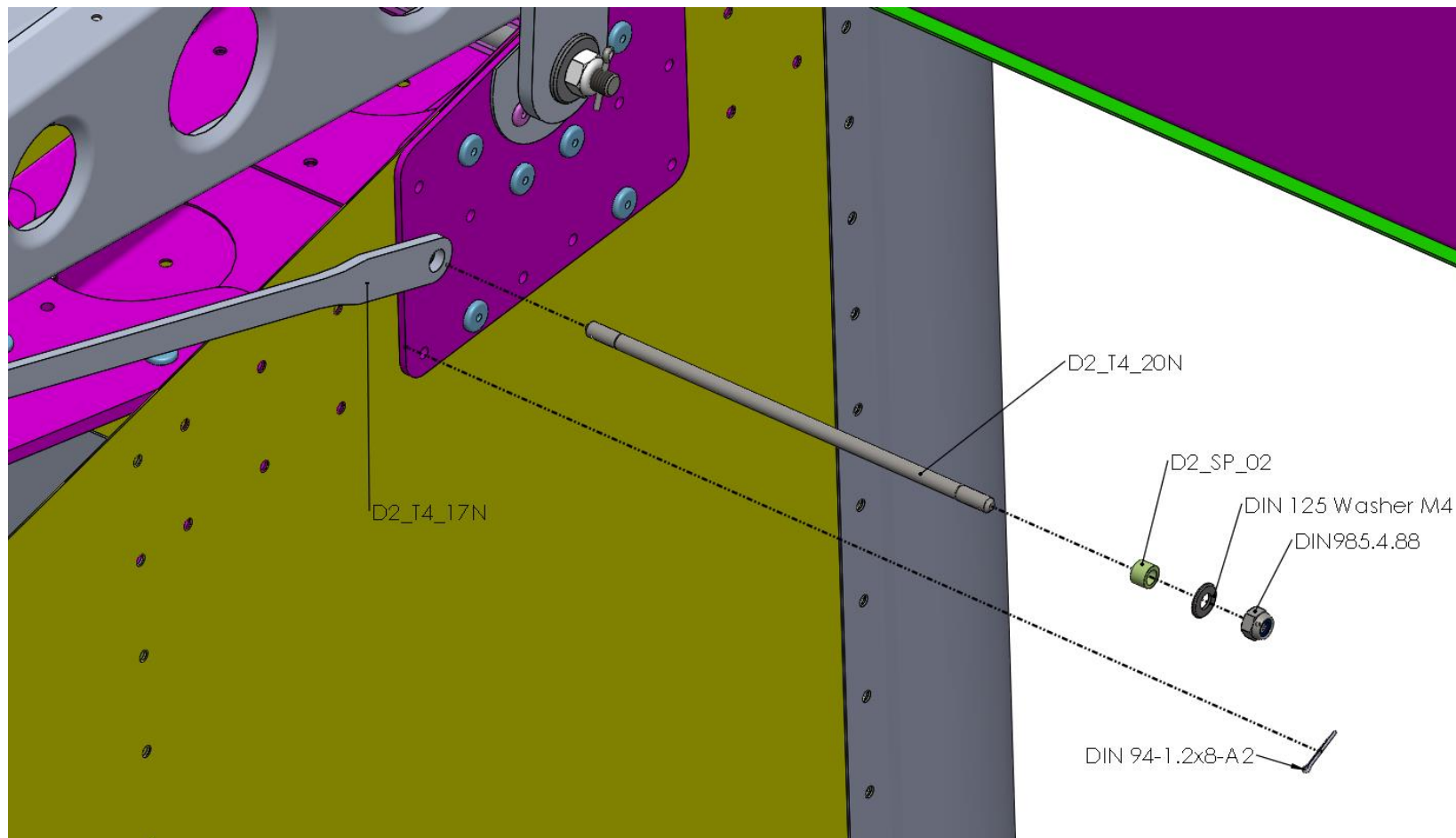
Step 4



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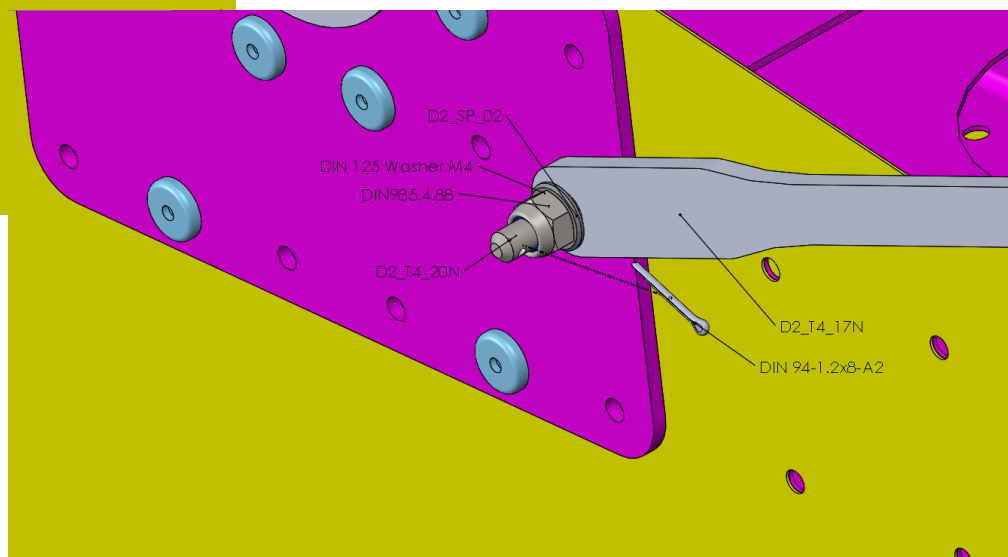
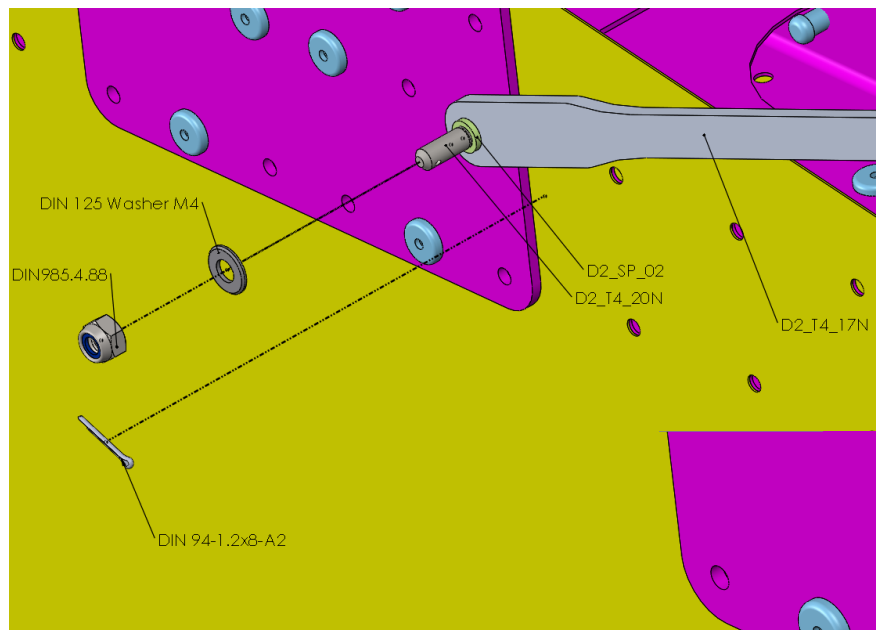
Step 5



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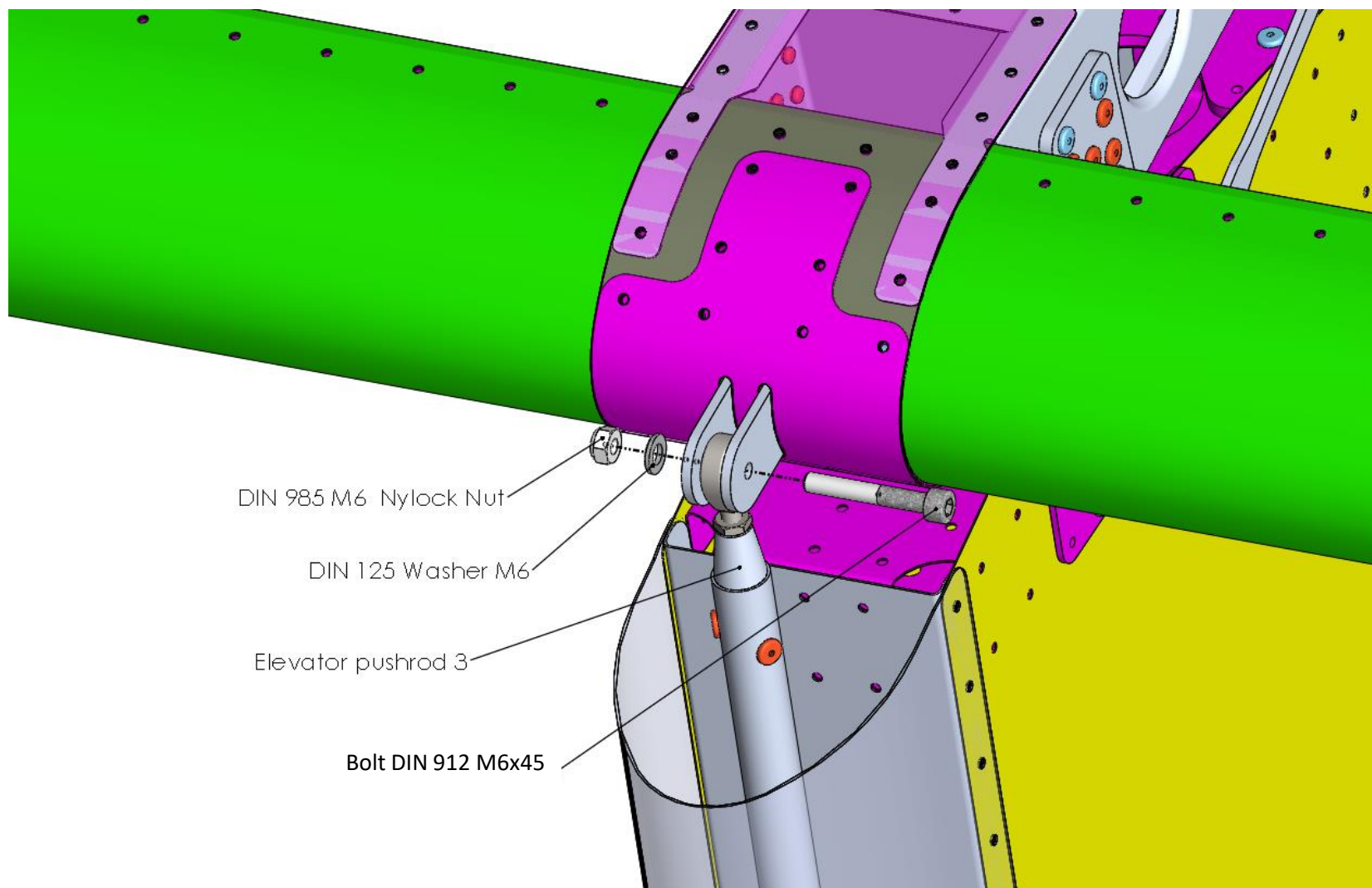
Step 6



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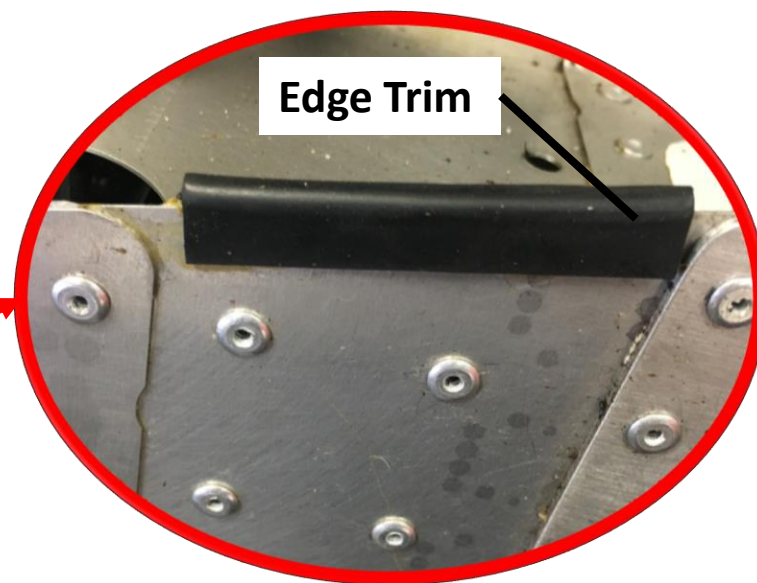
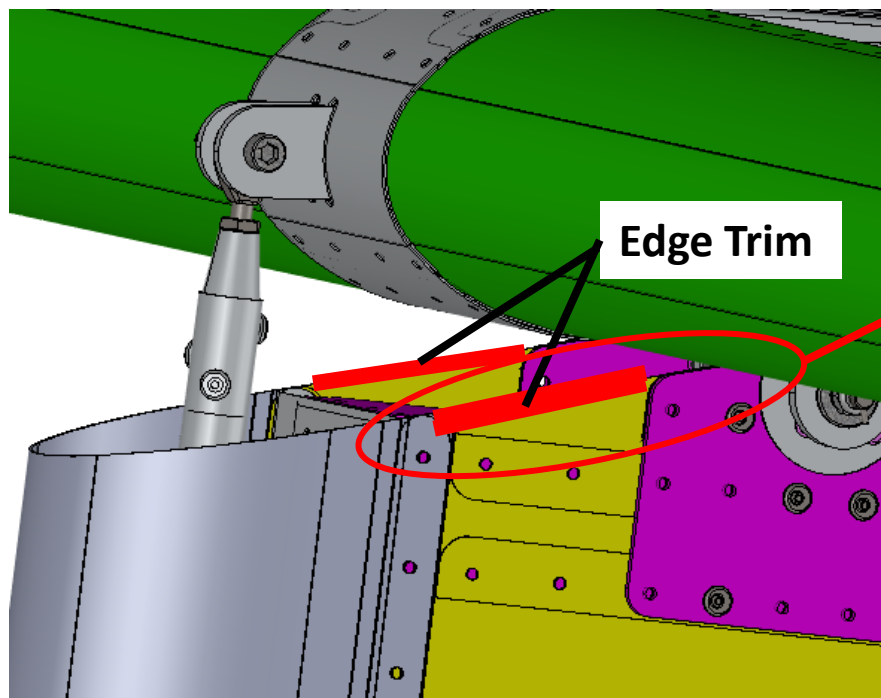
Step 7



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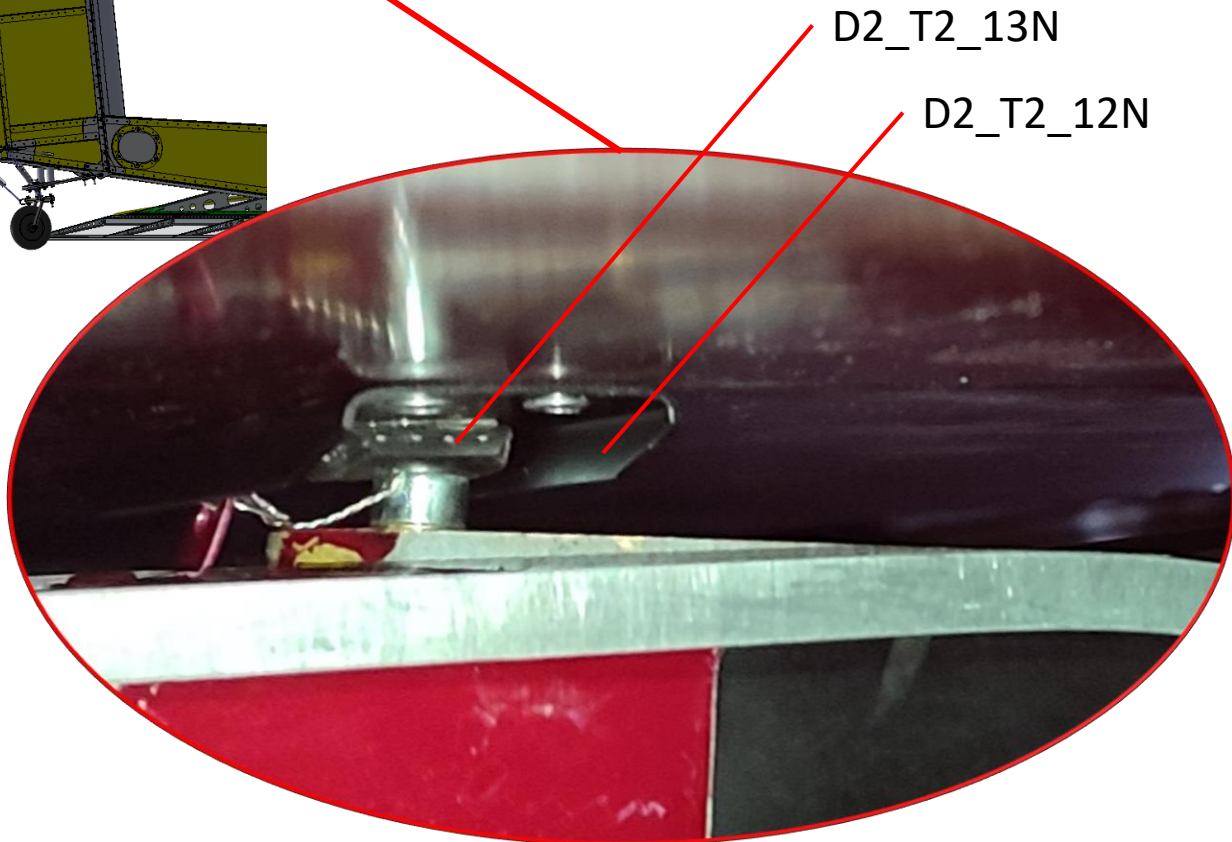
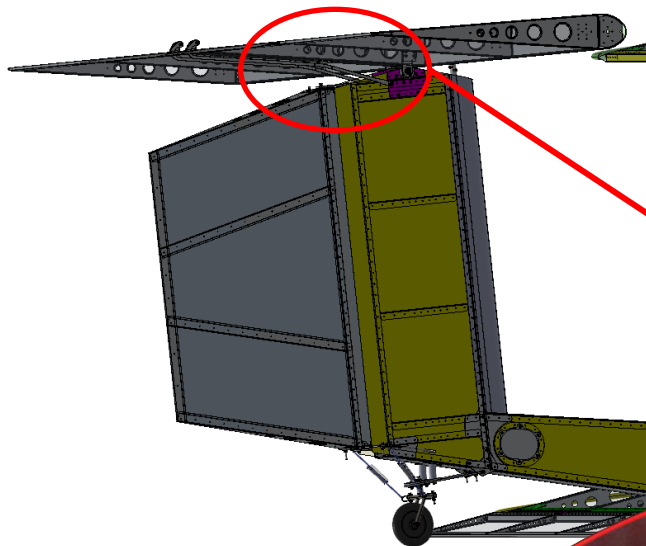
Step 8



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Step 9

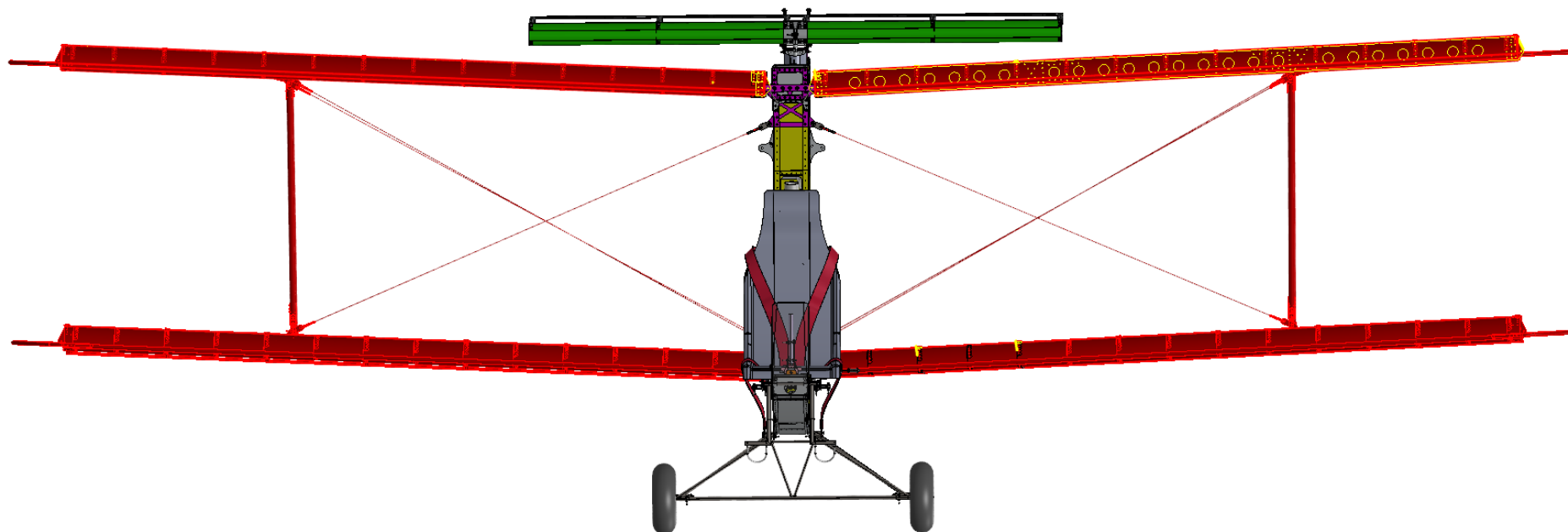


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PART 4 – INSTALLATION OF WINGS

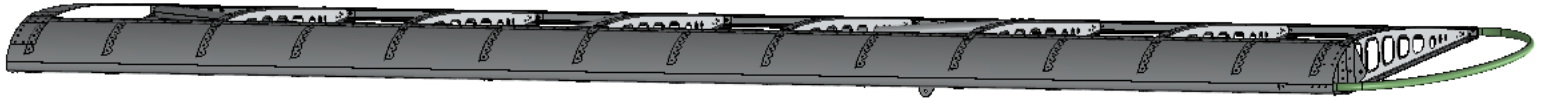
LEFT SIDE – RIGHT ONE SYMMETRICAL



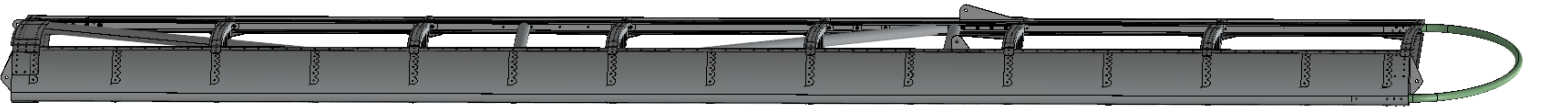
Title	Document no.	Revision	Page	Pages
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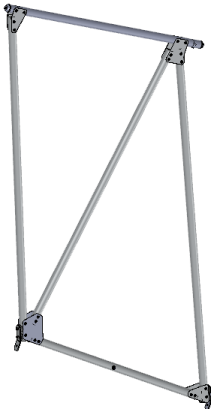
Wing upper
D2_W0_00
1+1 pcs



Wing Lower
D2_W0_00
1+1 pcs



Strut
D2_W3_00
1+1 pcs



D2_W32_01
1+1 pcs



D2_W33_01
1+1 pcs



D2_W33_01
1+1 pcs



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D2_W3_14N
6+6 pcs



D2_SP_03
1+1 pcs



D2_SP_03
4+4 pcs

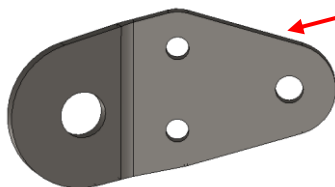


Bolts DIN912 M6
+
Nuts DIN985 M6
(As alternative)

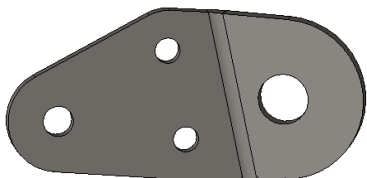
D2_W3_15N
1+1 pcs



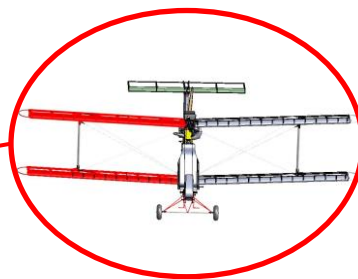
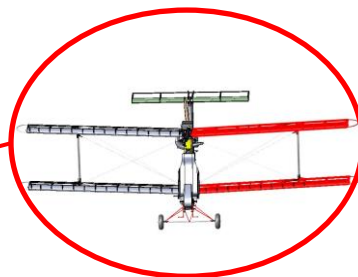
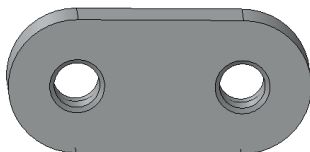
D2_W3_20N
2 pcs



D2_W3_21N
2 pcs



D2_W3_22N
1 + 1 pc



D2_W4_01N
1+1 pcs



D2_W4_02N
1+1 pc



D2_W4_03N
1 pc



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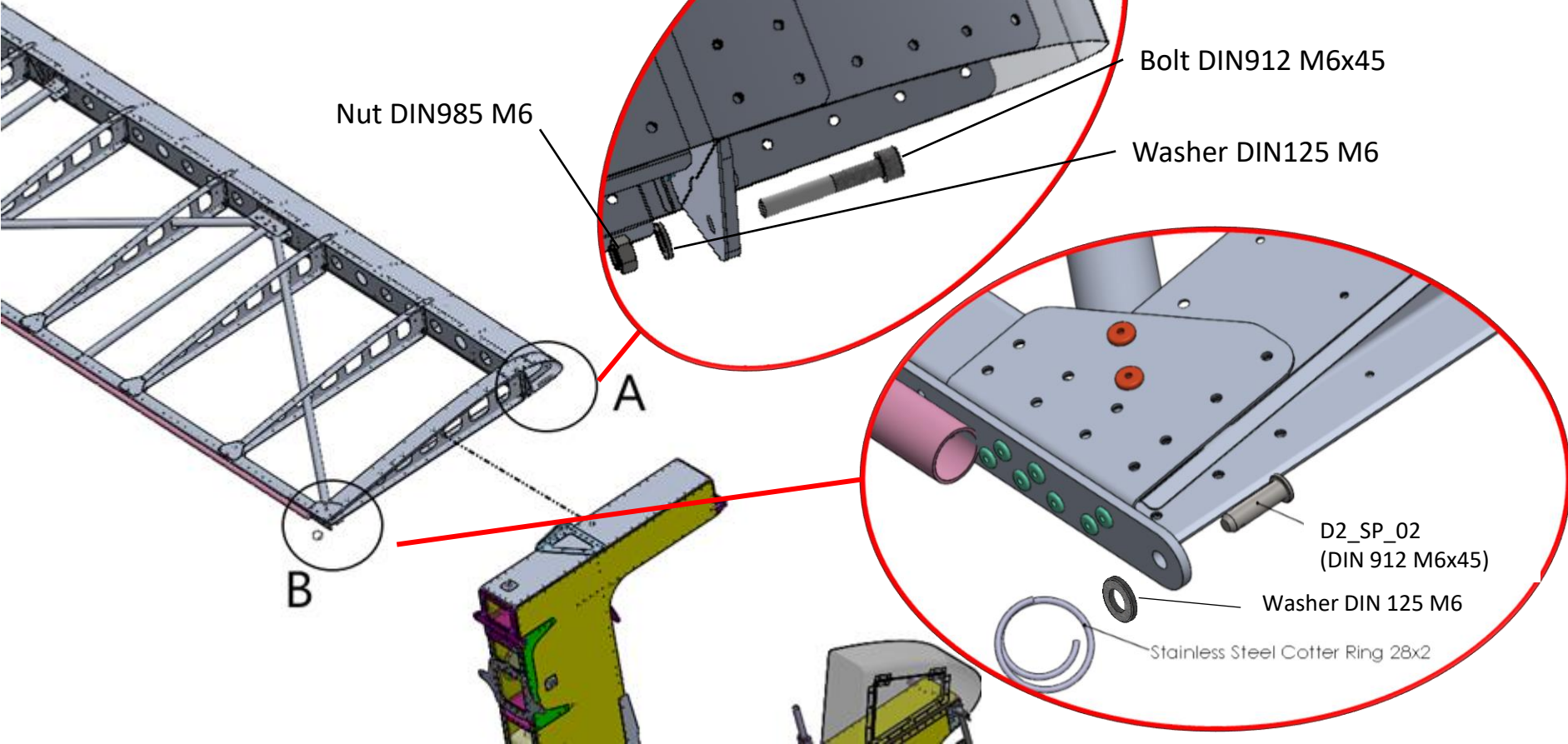
Standard parts

Bolt DIN 912 M5x40	2 + 2 pcs
Bolt DIN 912 M6x35	3 + 3 pcs
Bolt DIN 912 M6x40	2 + 2 pcs
Bolt DIN 912 M6x45	4 + 4 pcs
Washer DIN 125 M5	4 + 4 pcs
Washer DIN 125 M6	16 + 16 pcs
Nylock nut DIN 985 M5	2 + 2 pcs
Nylock nut DIN 985 M6	7 + 7 pcs
Cotter ring 28x2	5 + 5 pcs
Edge trim	2 + 2 m
Rivet Al 3,2x7,9	6 + 6
Velcro	0,5 + 0,5 m

Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	52	90



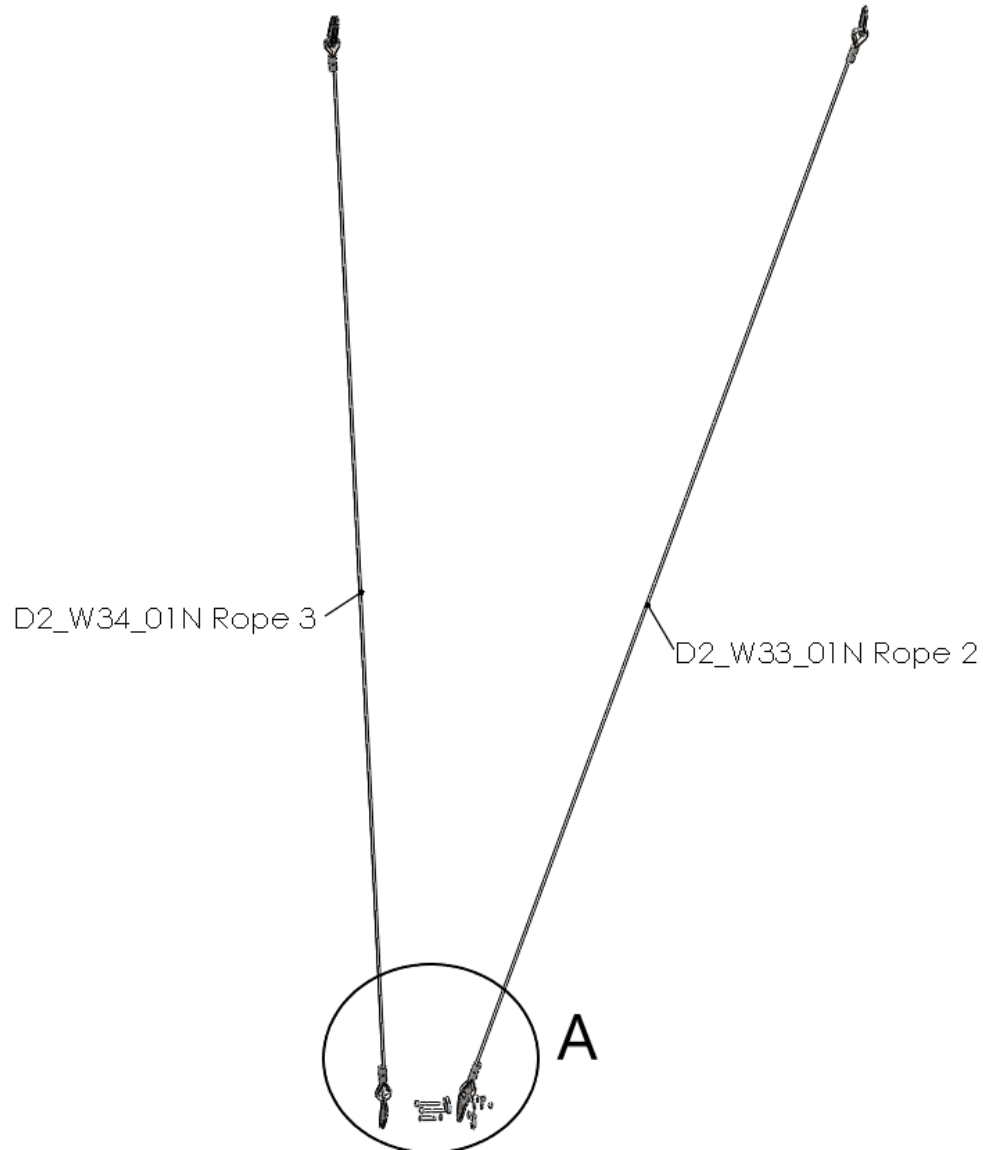
Step 1



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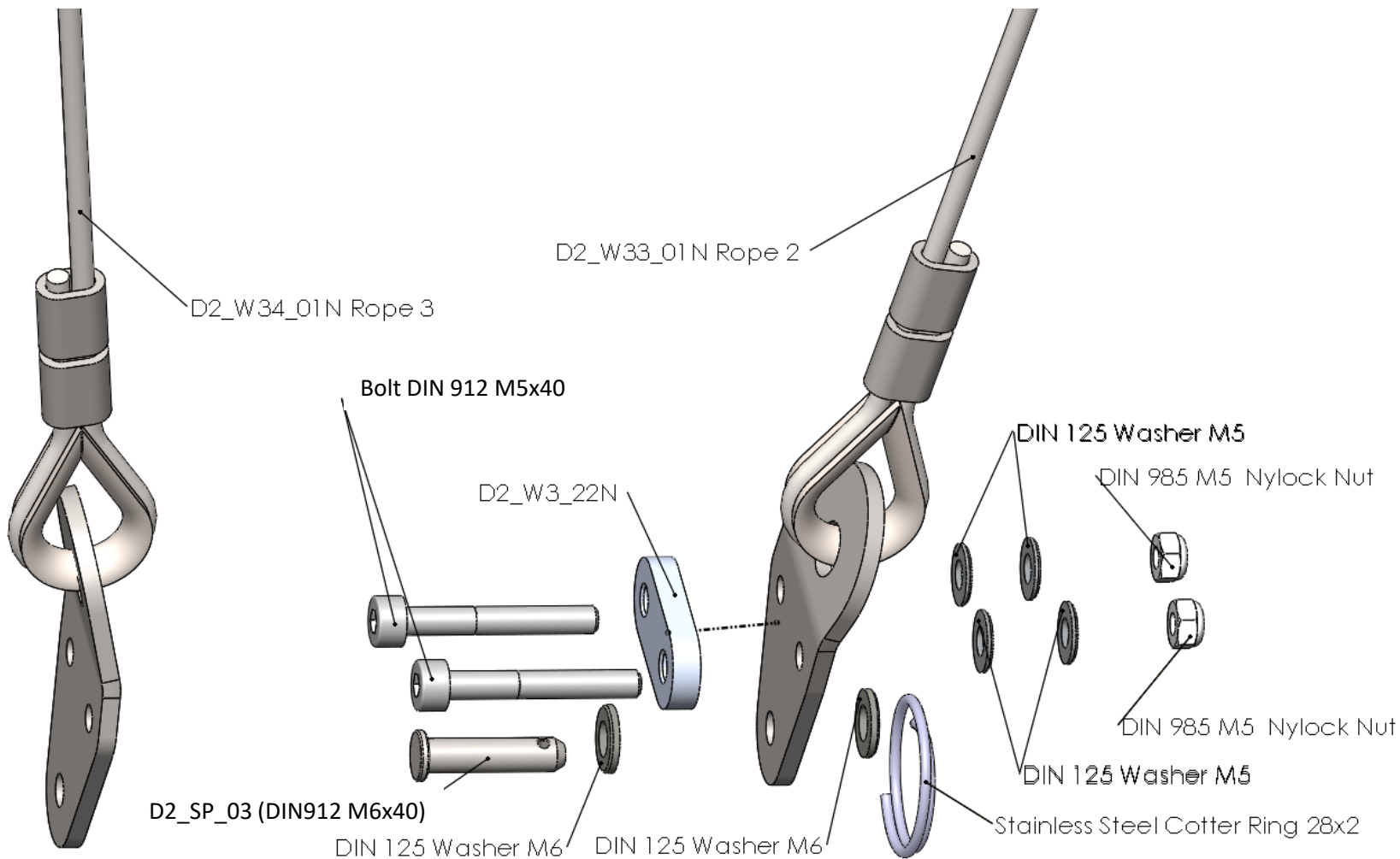
Step 2



Title	Document no.	Revision	Page	Pages
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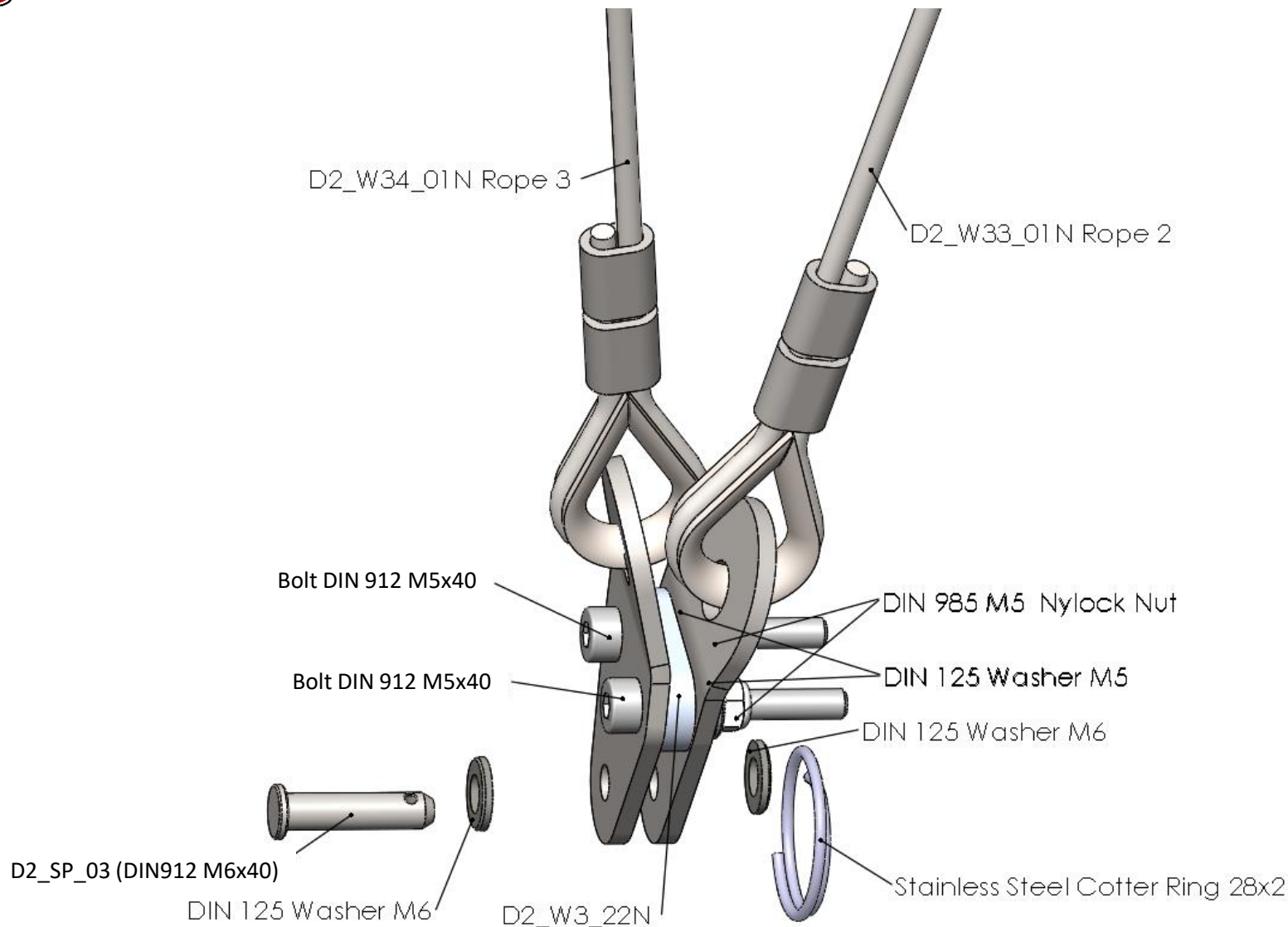
Step 3



Title	Document no.	Revision	Page	Pages
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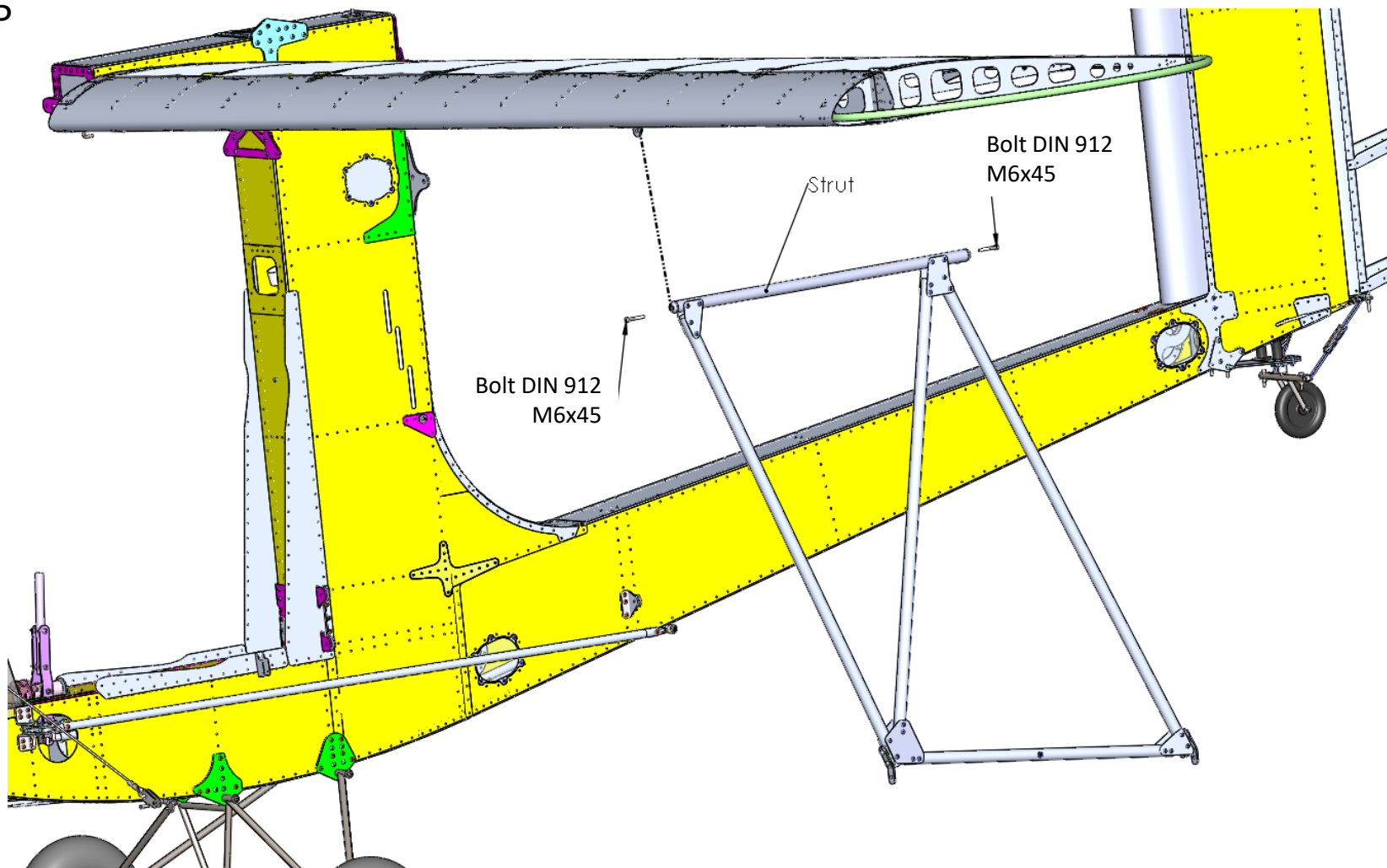


Step 4



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	56	90

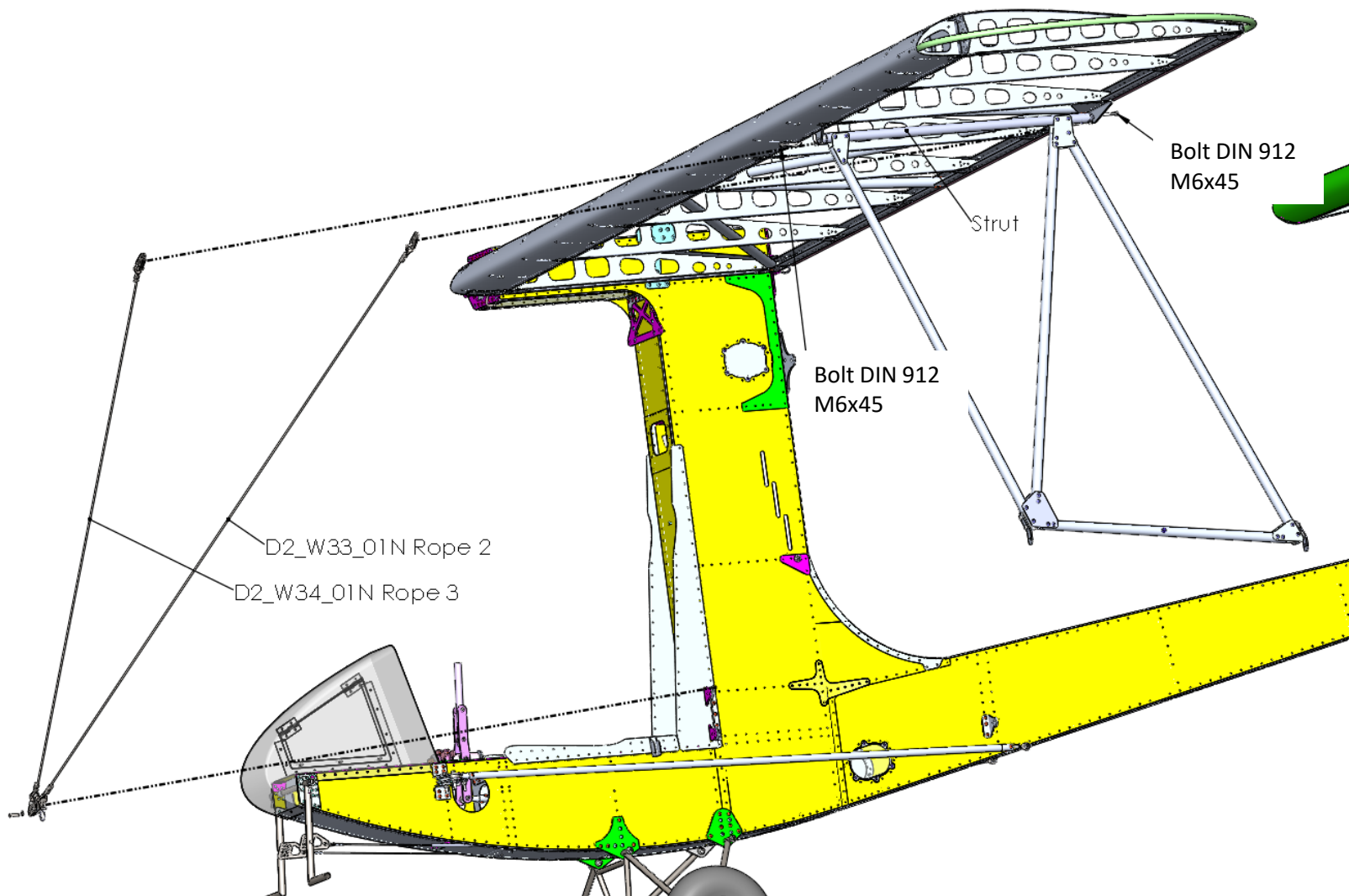
Step 5



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	57	90



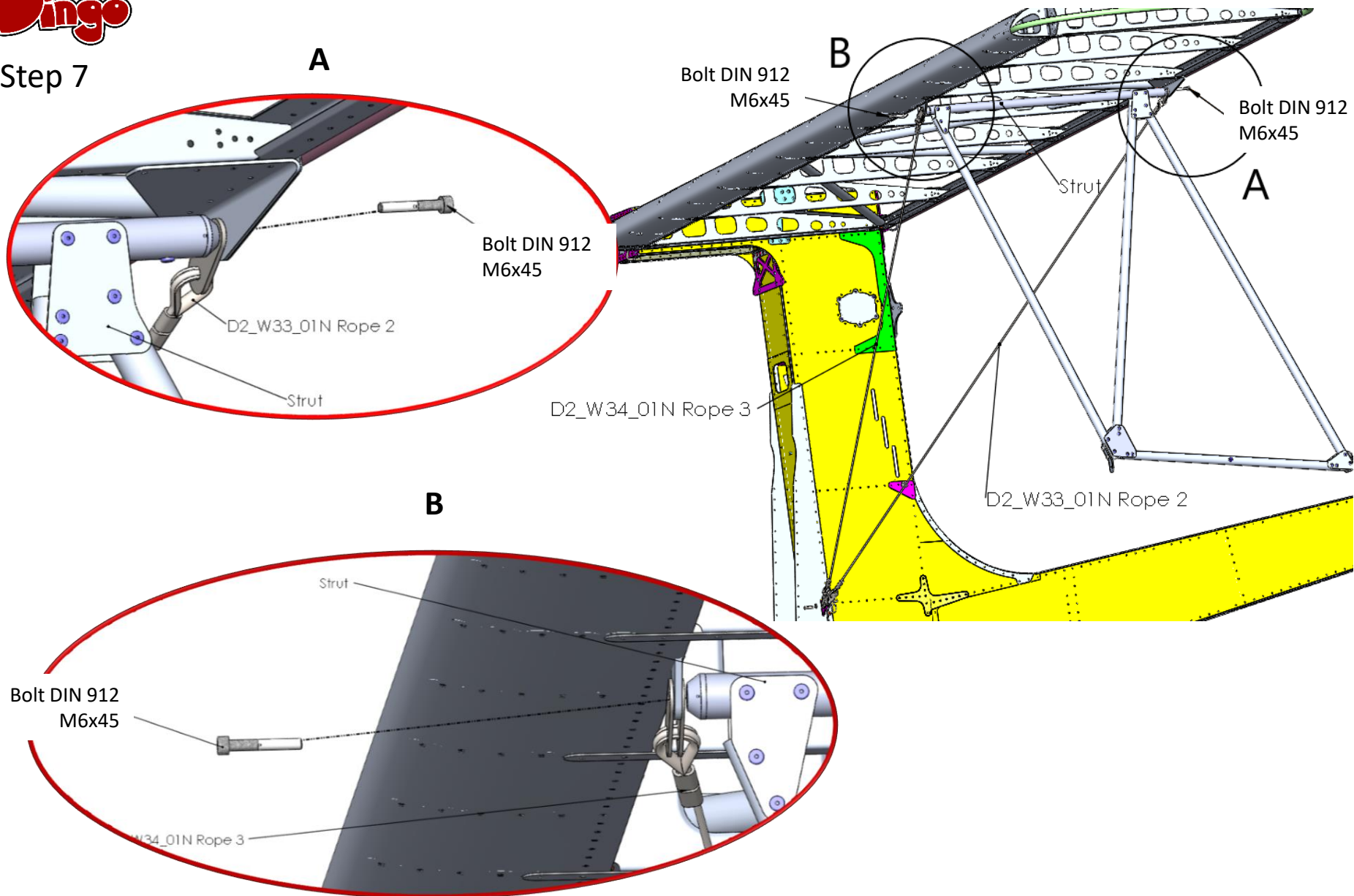
Step 6



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	58	90



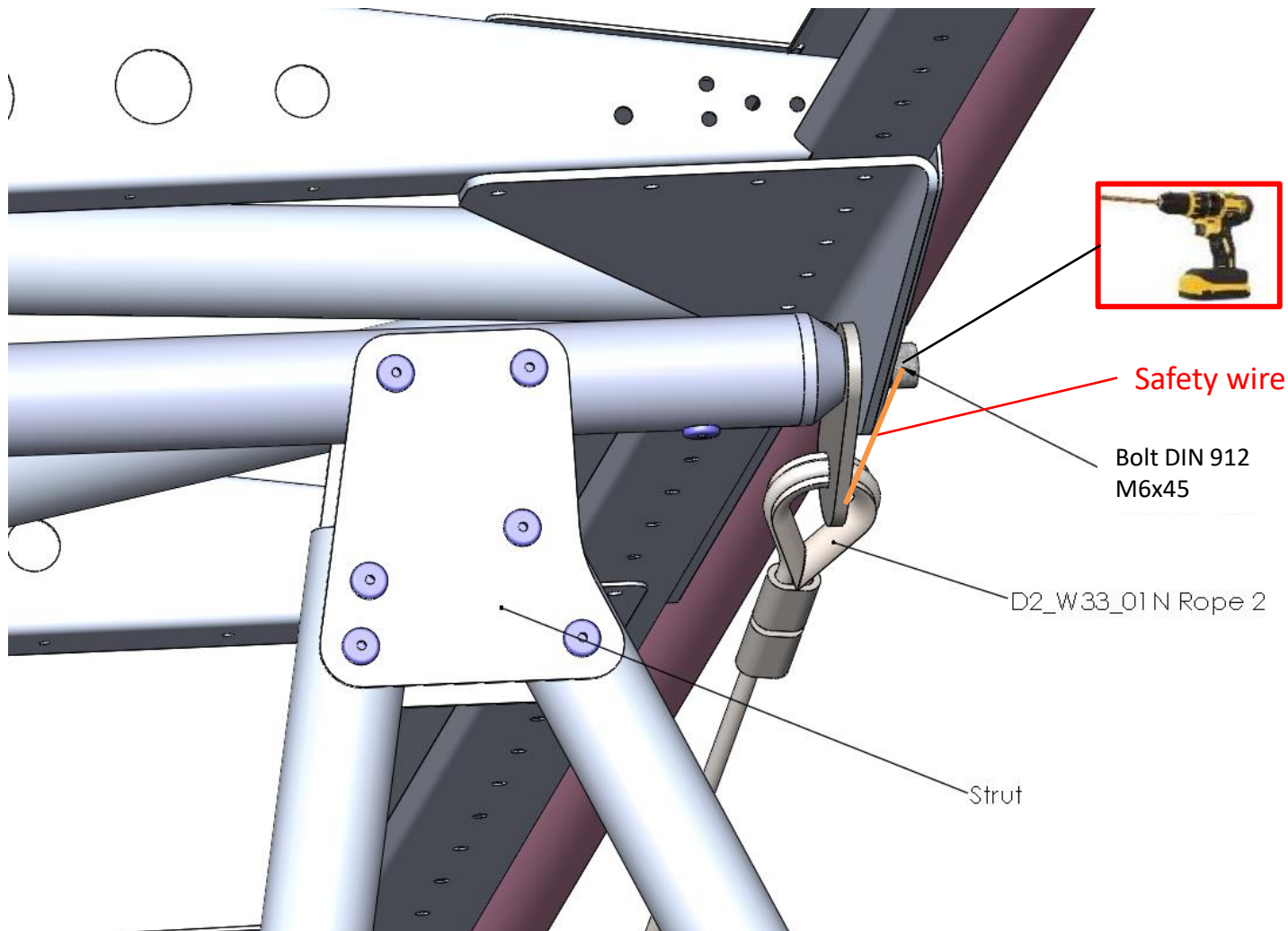
Step 7



Title	Document no.	Revision	Page	Pages
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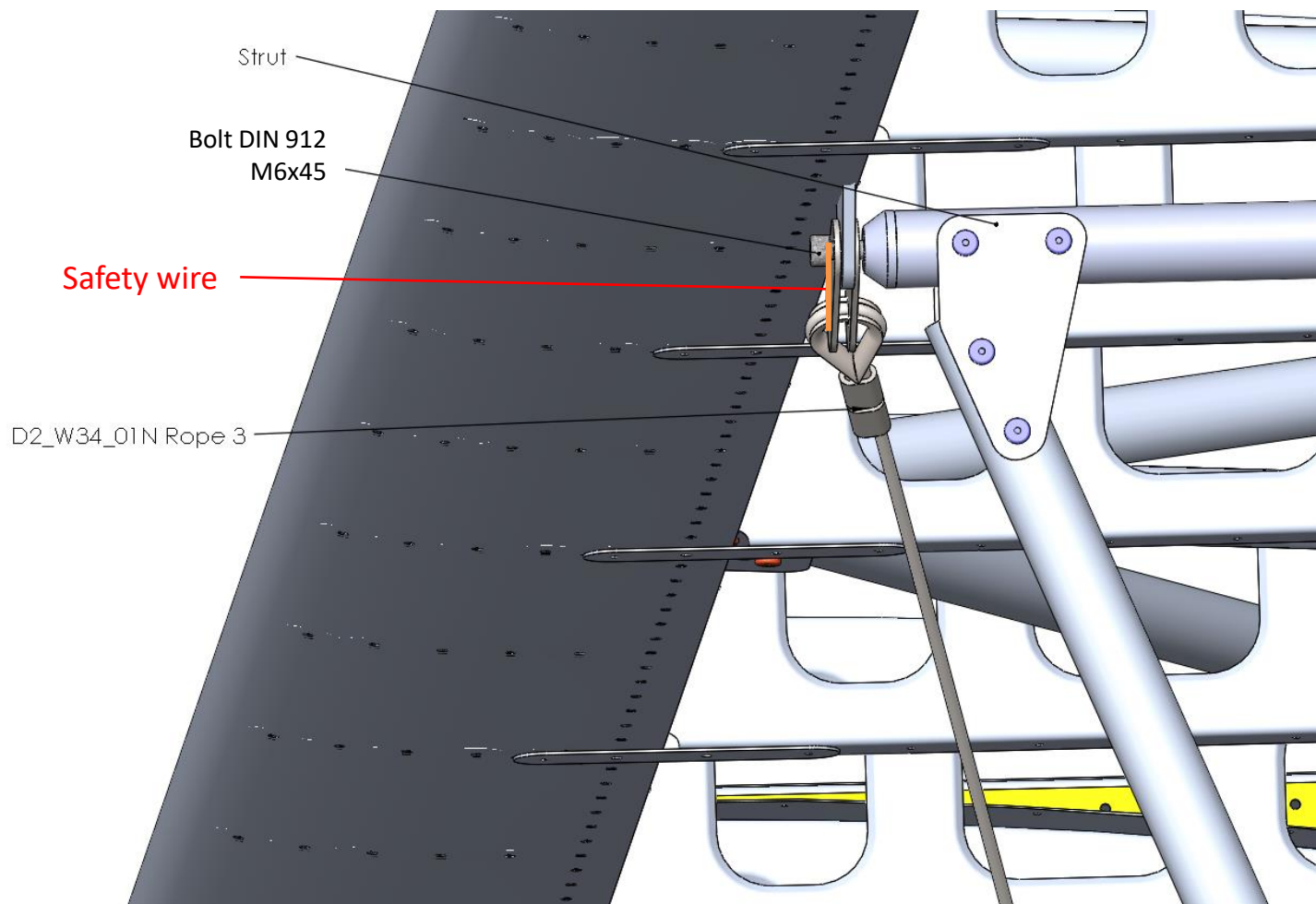
Step 8



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	60	90

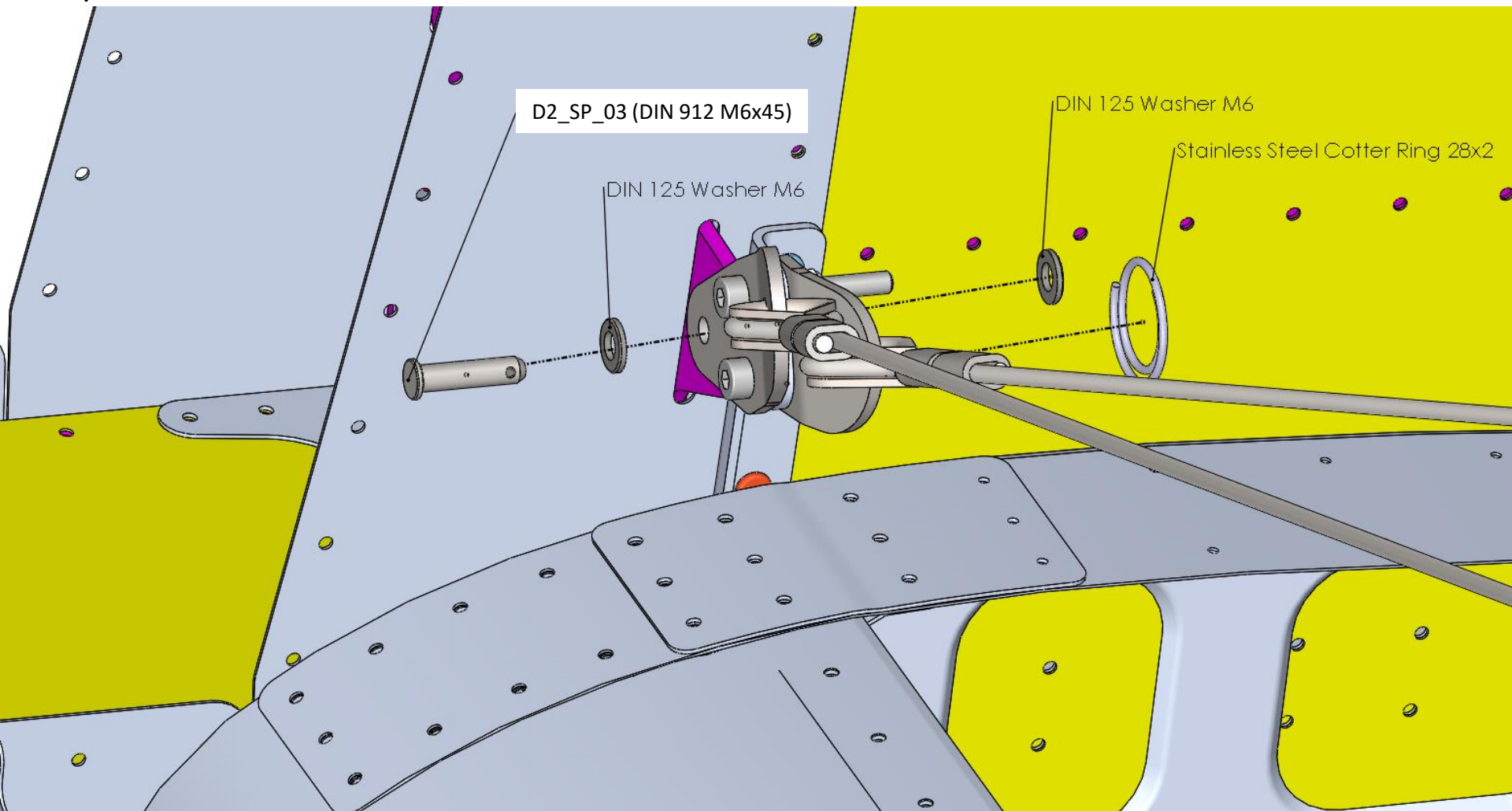


Step 9



Title	Document no.	Revision	Page	Pages
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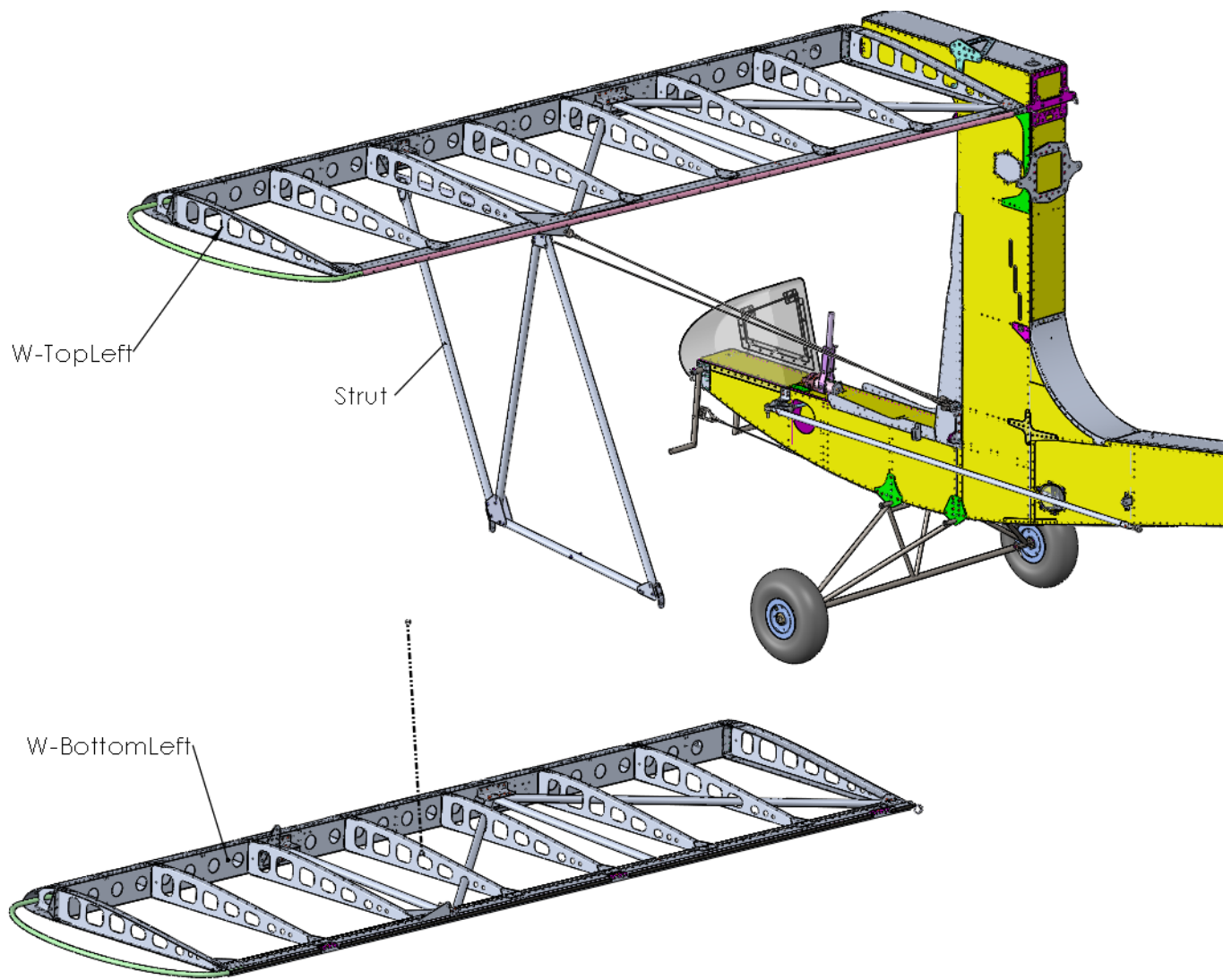
Step 10



Title	Document no.	Revision	Page	Pages
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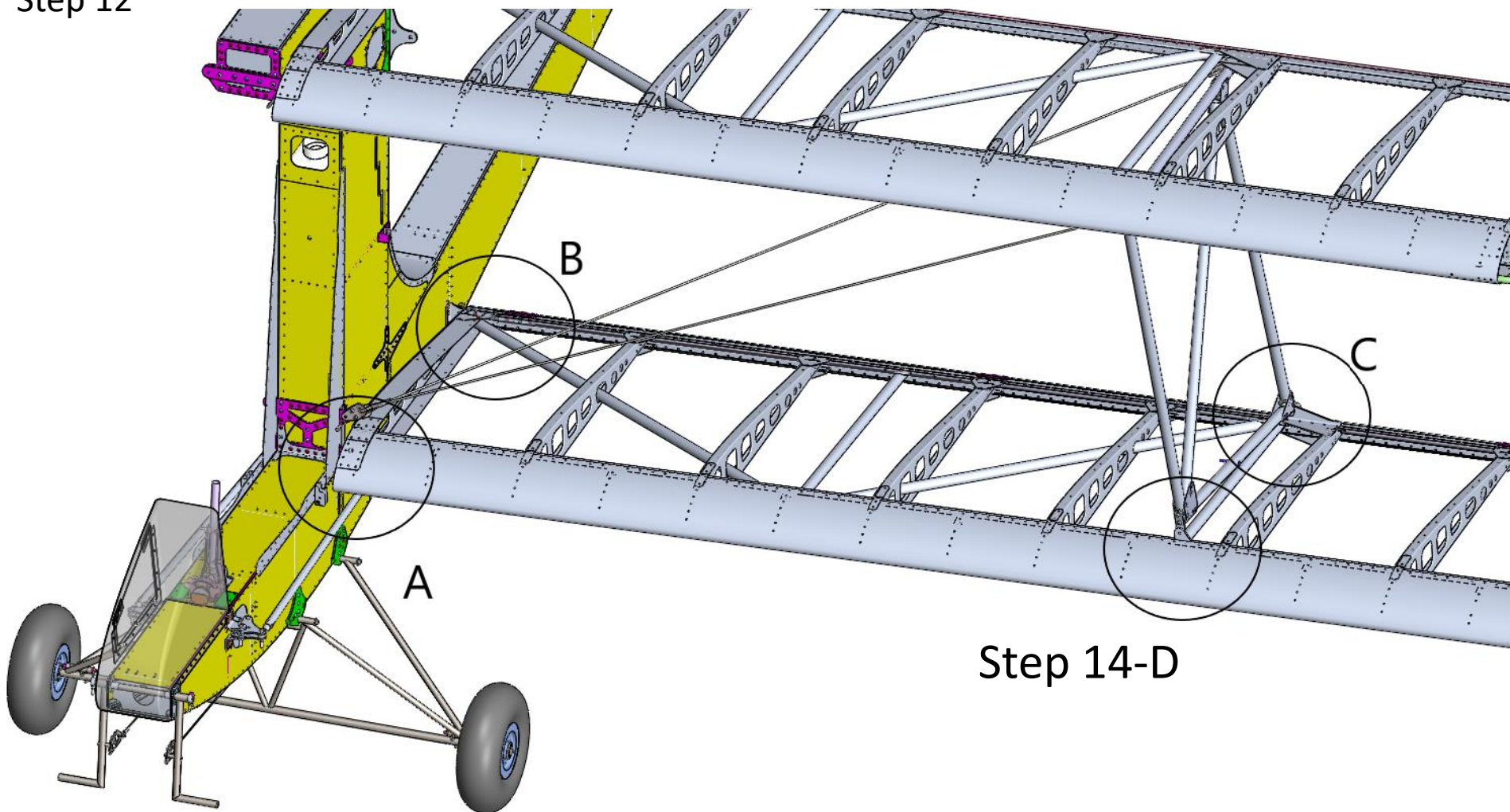
Step 11



Title	Document no.	Revision	Page	Pages
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Step 12

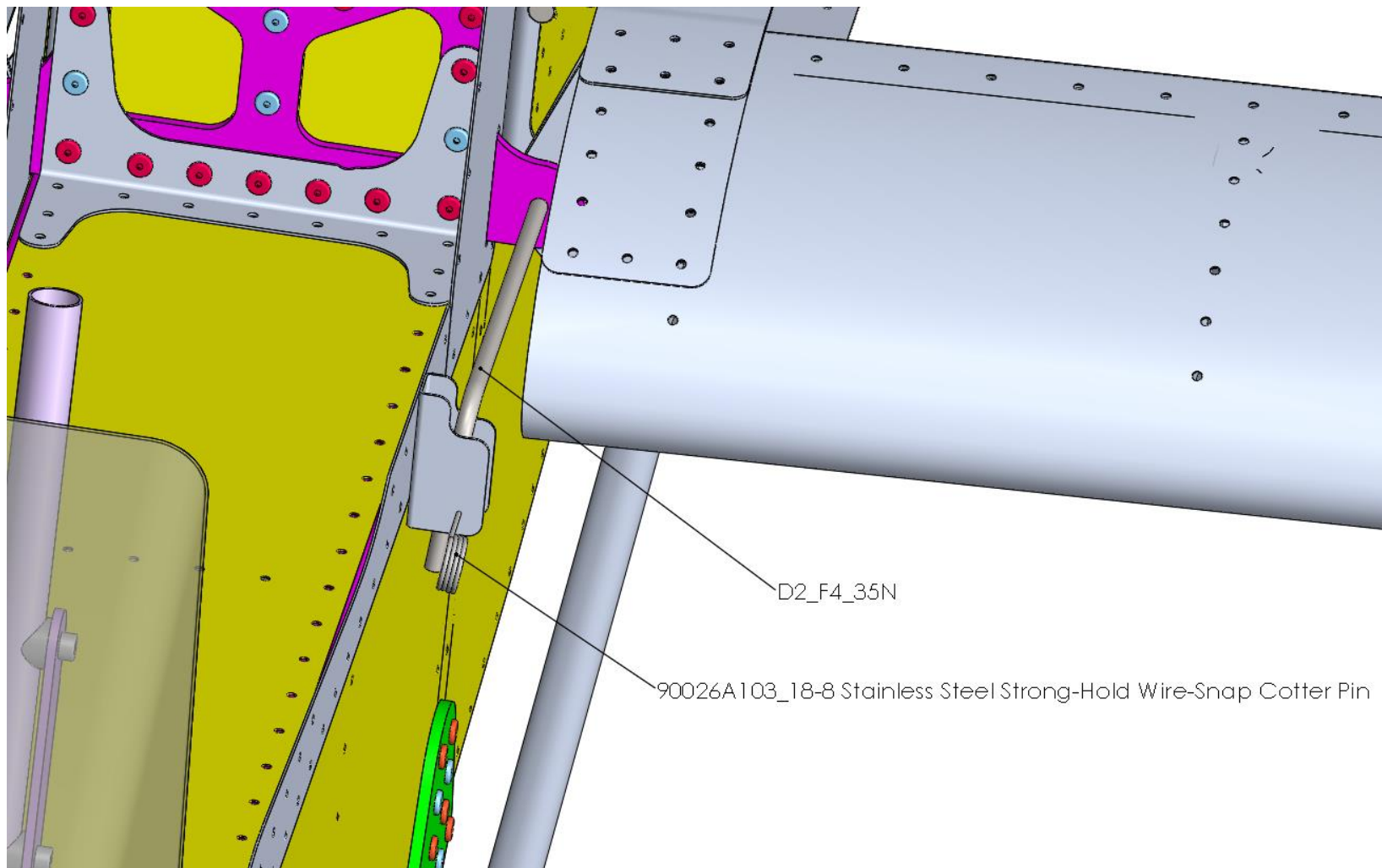


Step 14-D

Title	Document no.	Revision	Page	Pages
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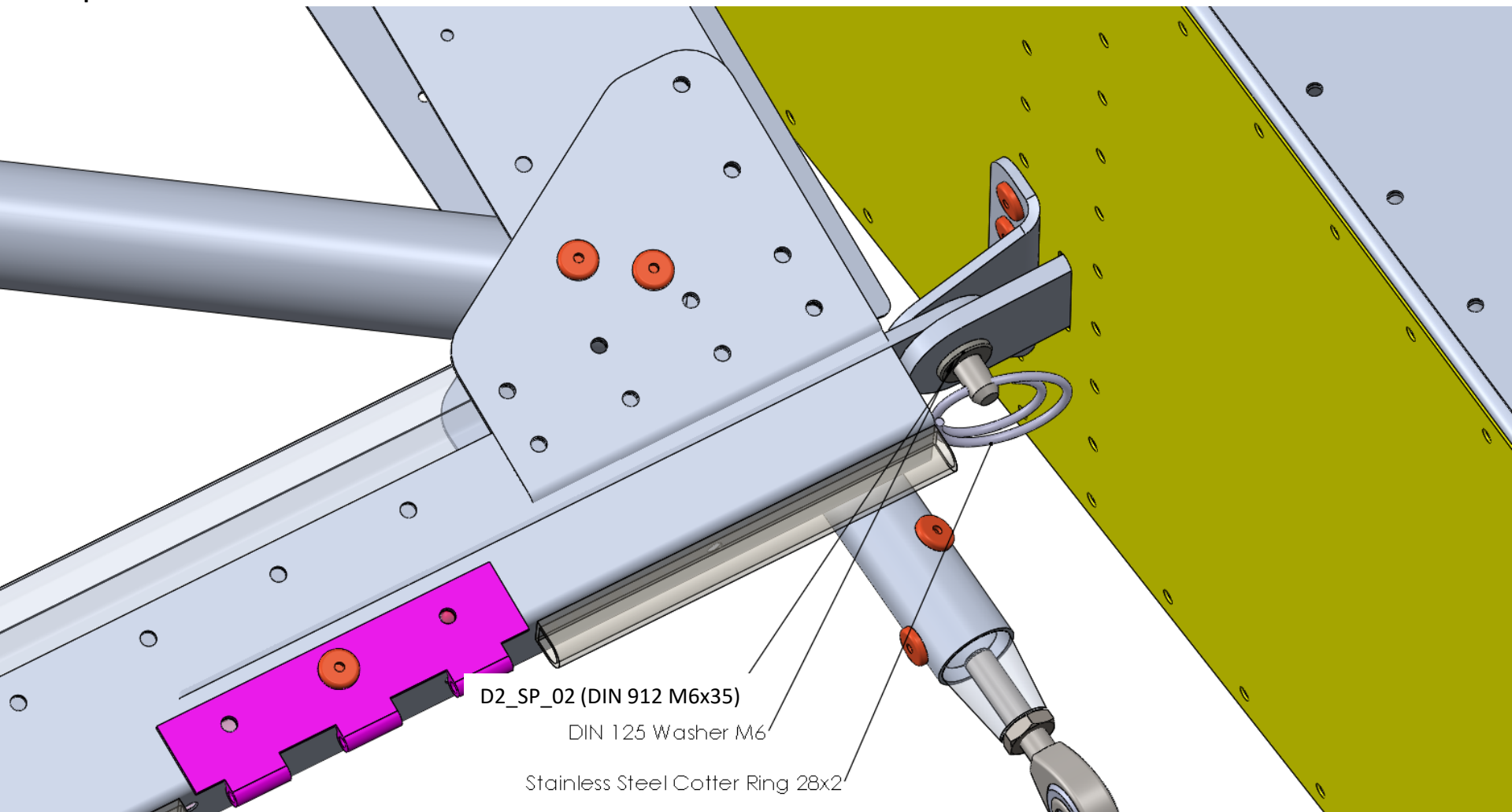
Step 12-A



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	65	90



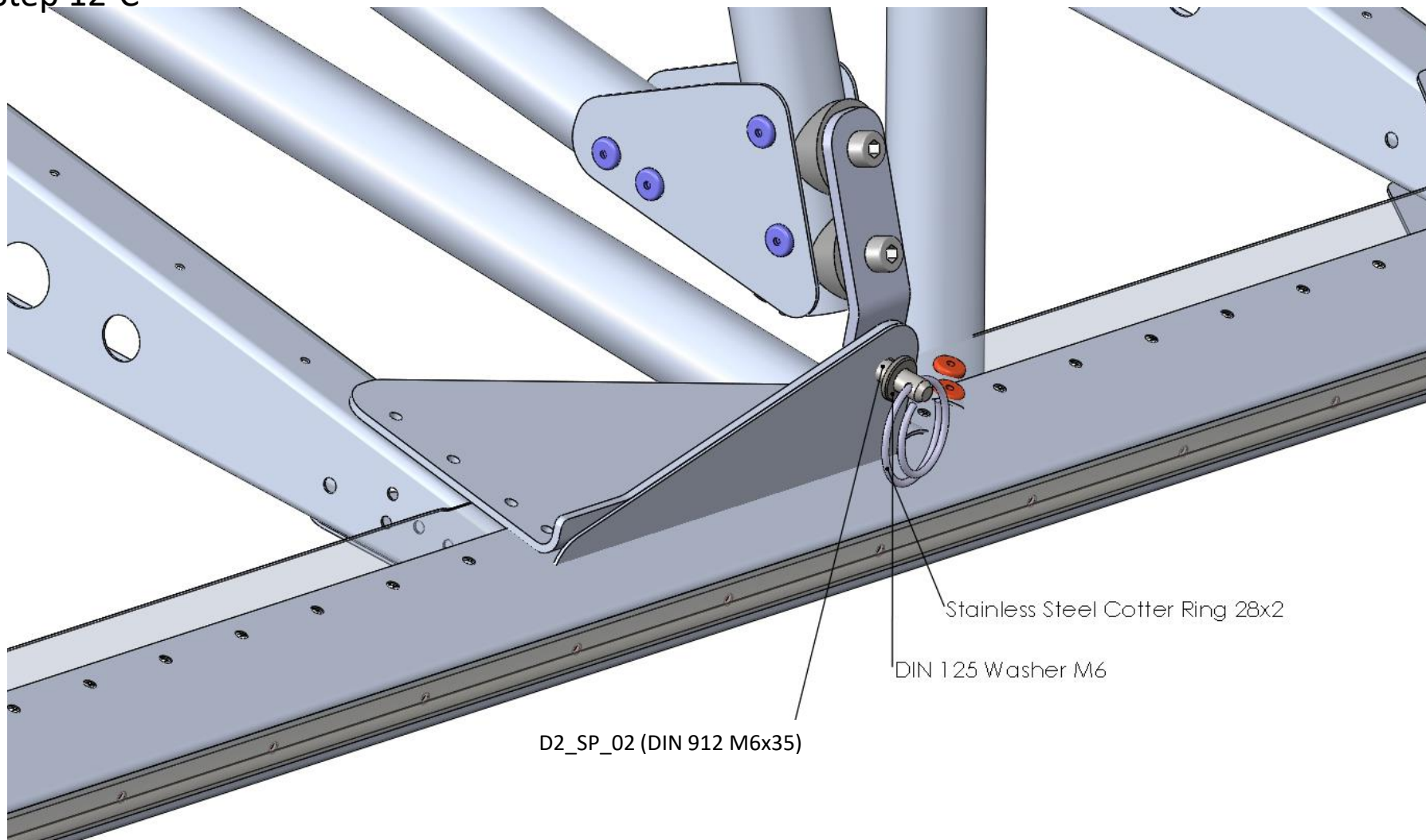
Step 12-B



Title	Document no.	Revision	Page	Pages
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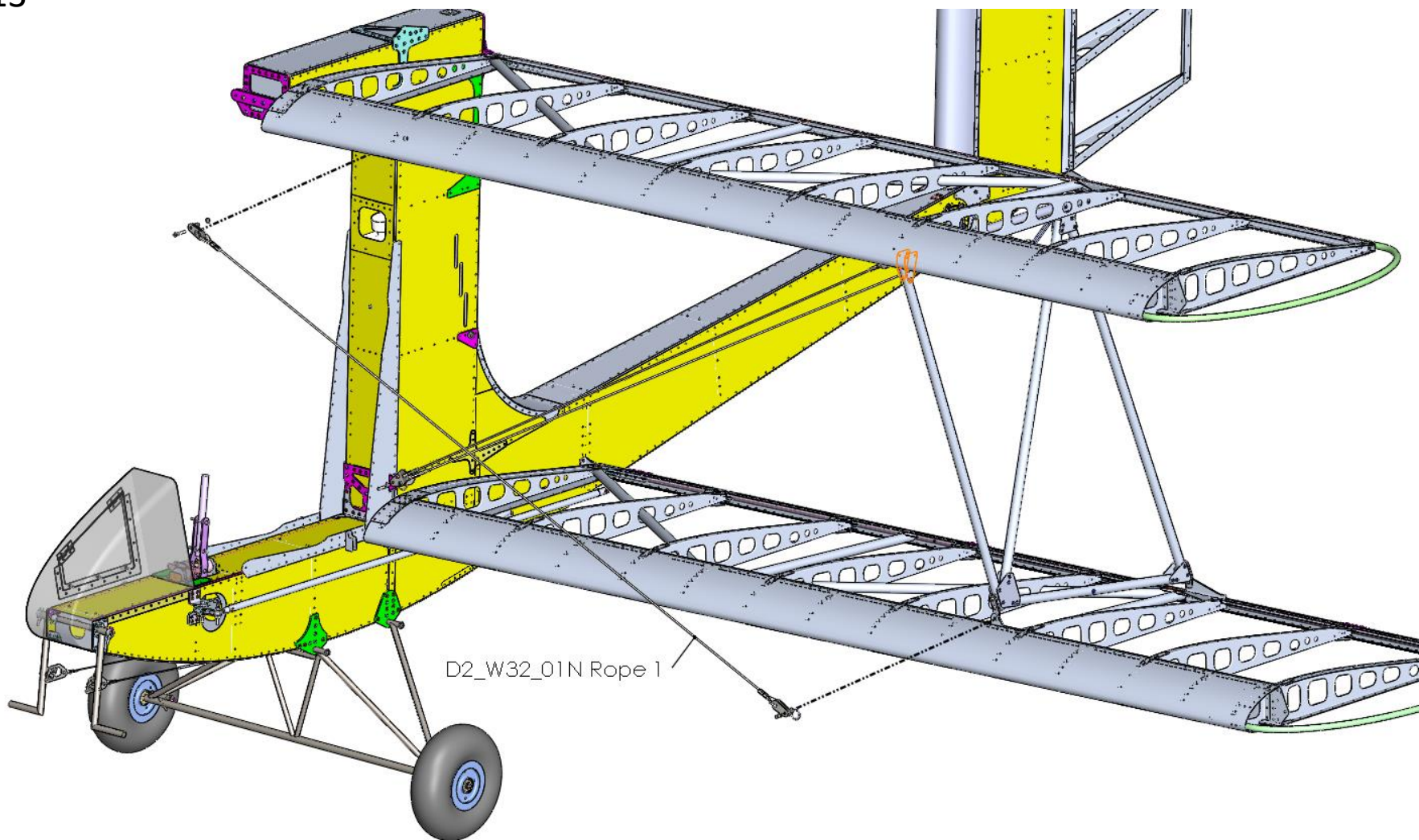
Step 12-C



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	67	90



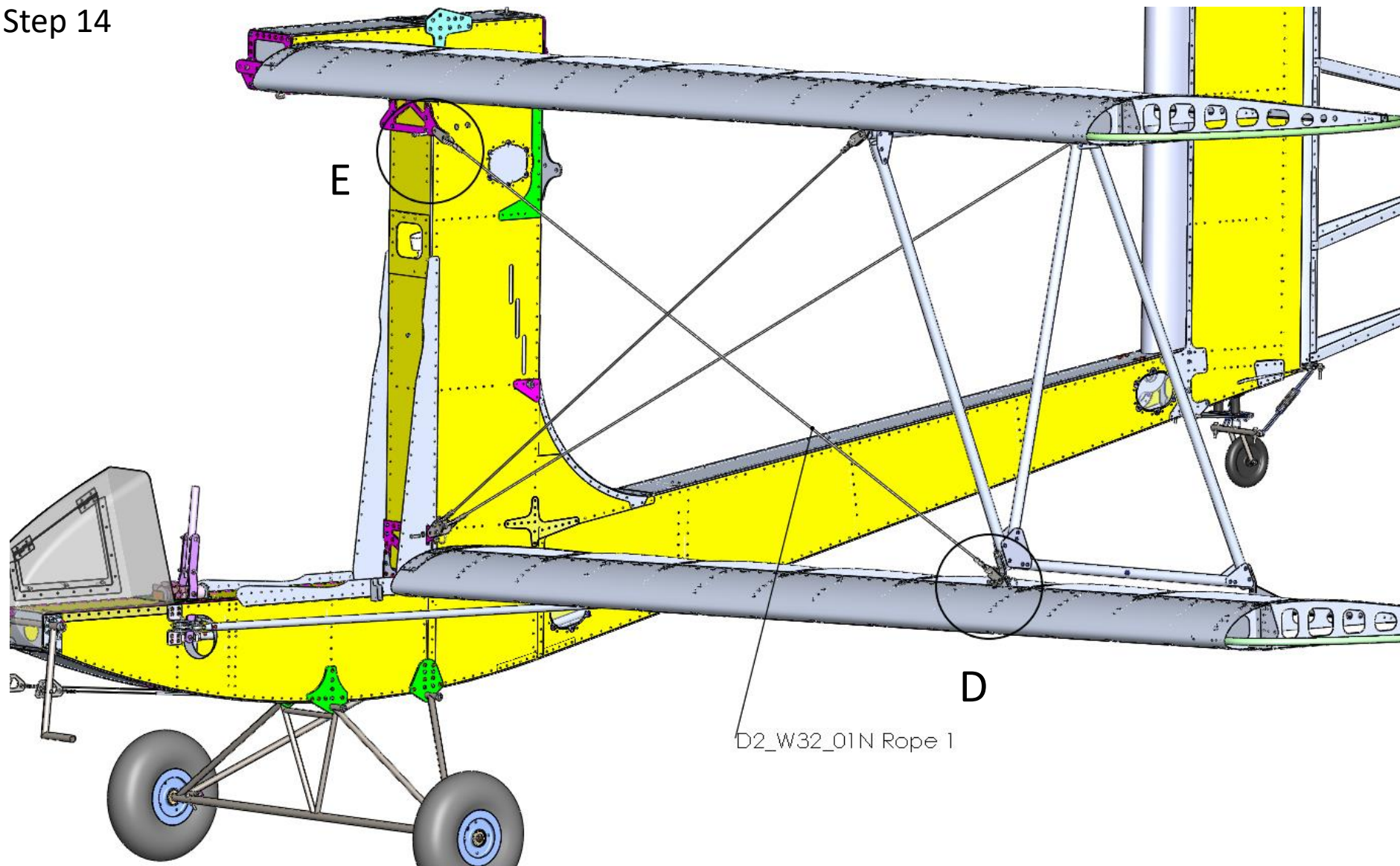
Step 13



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	68	90



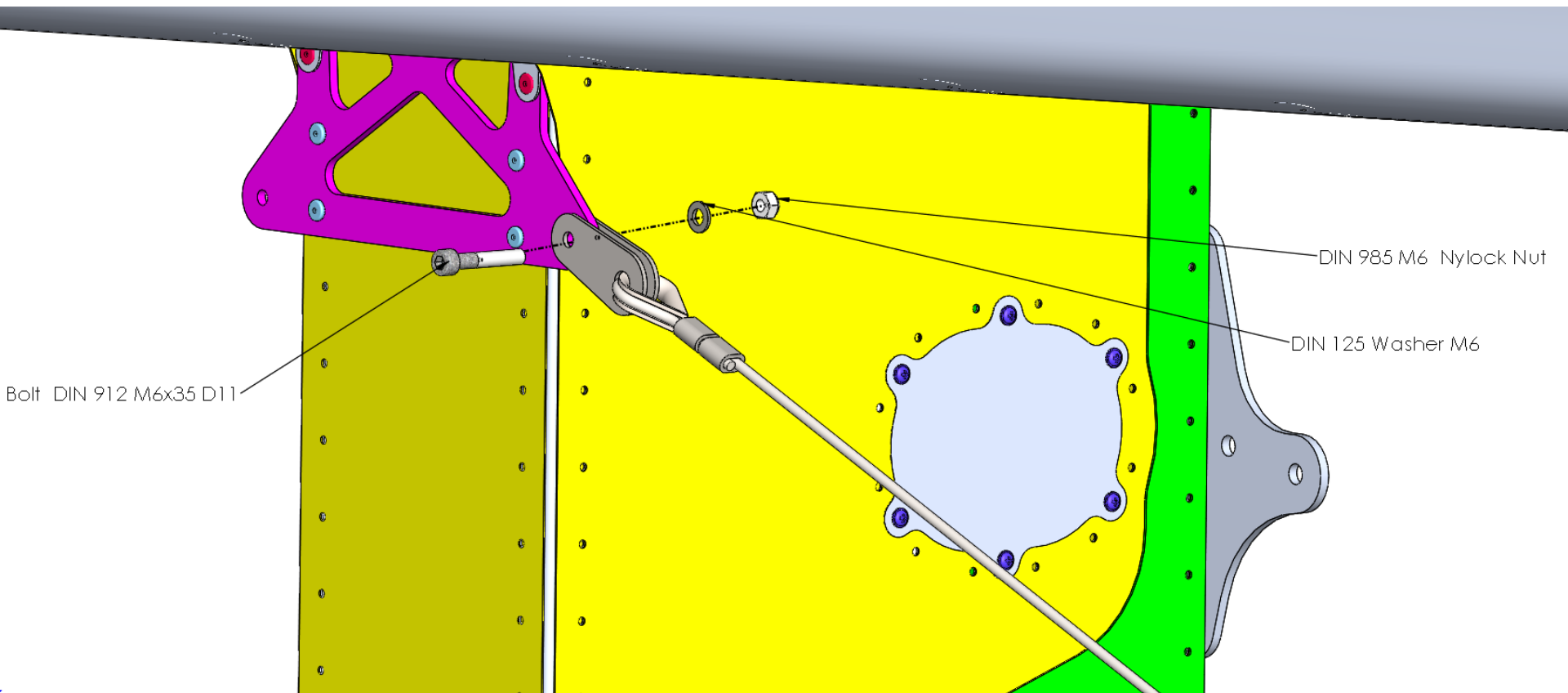
Step 14



D2_W32_01N Rope 1

Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	69	90

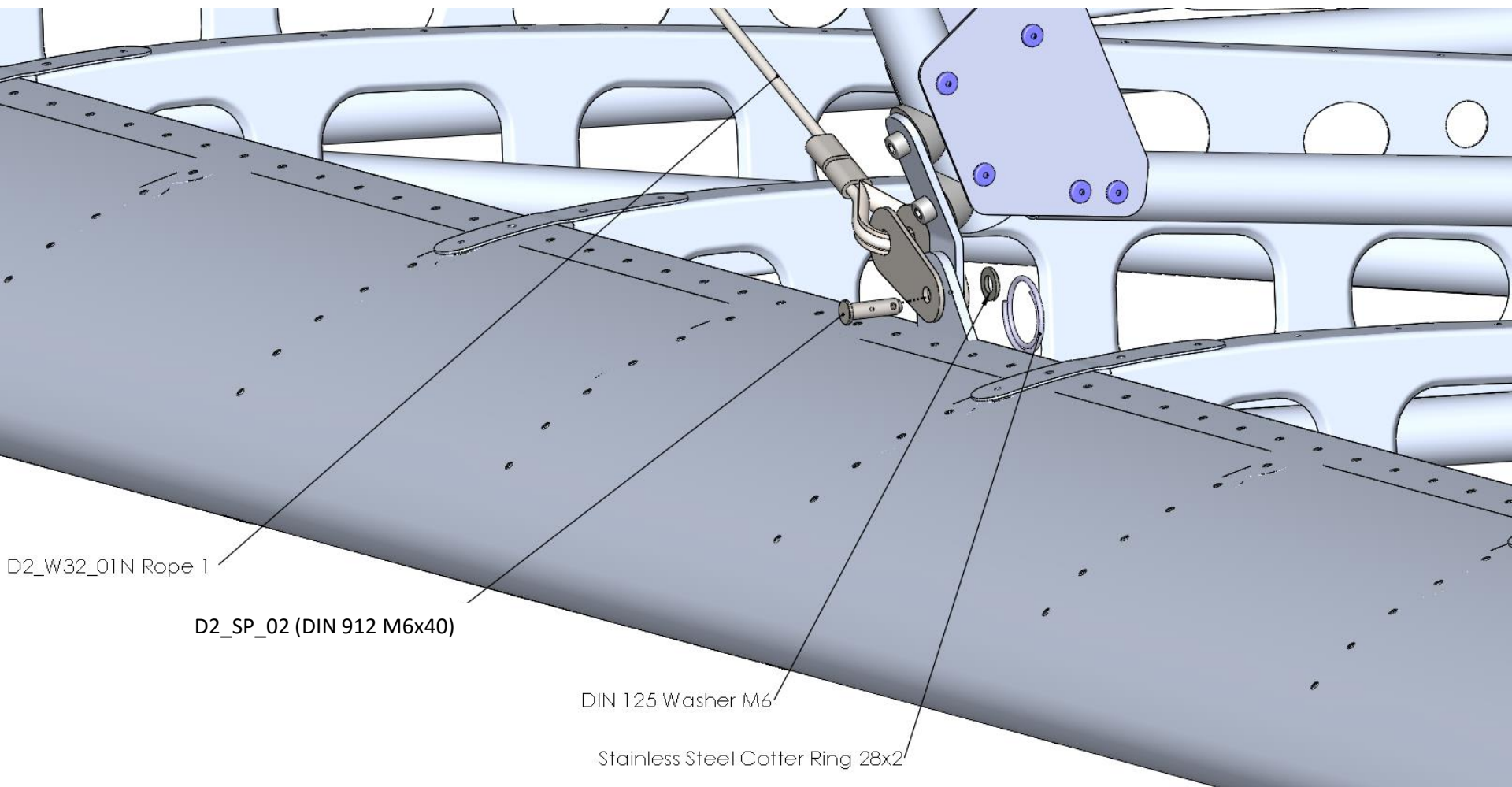
Step 14-E



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	70	90



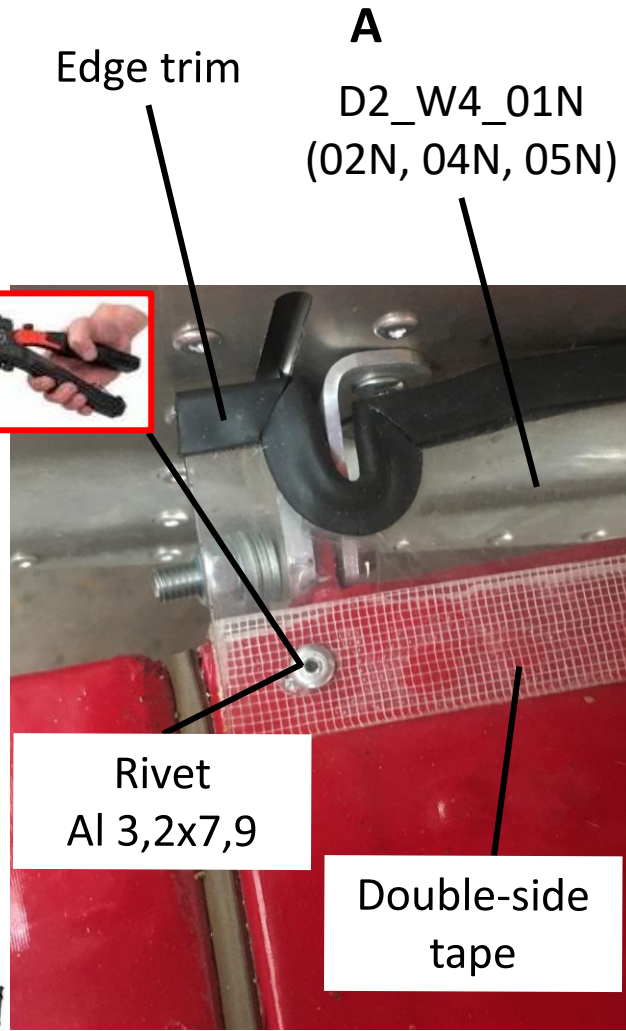
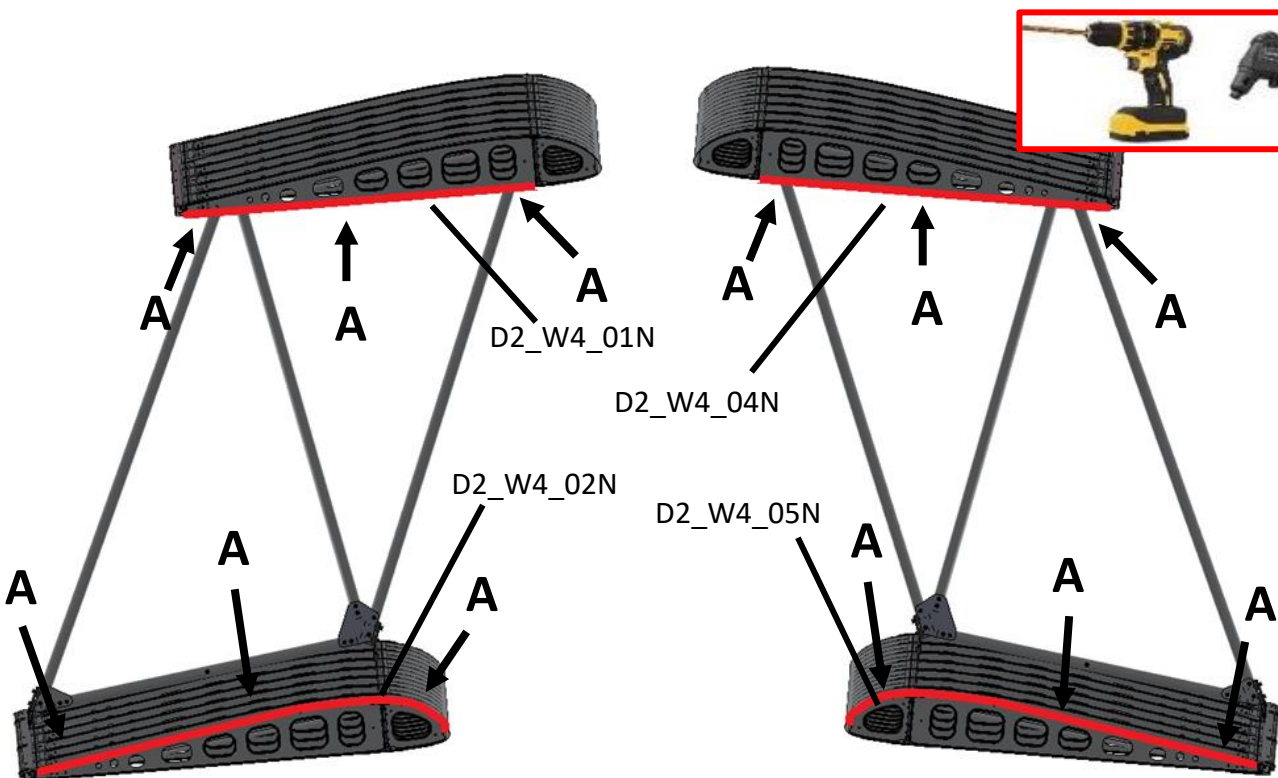
Step 14-D



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	71	90



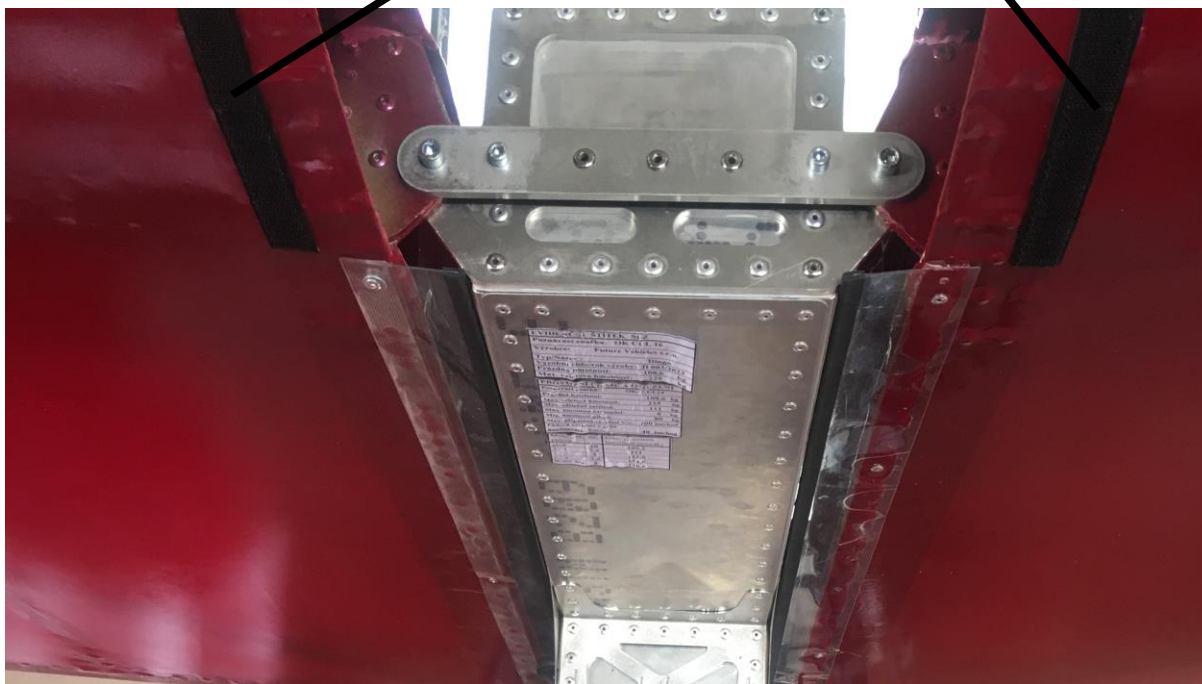
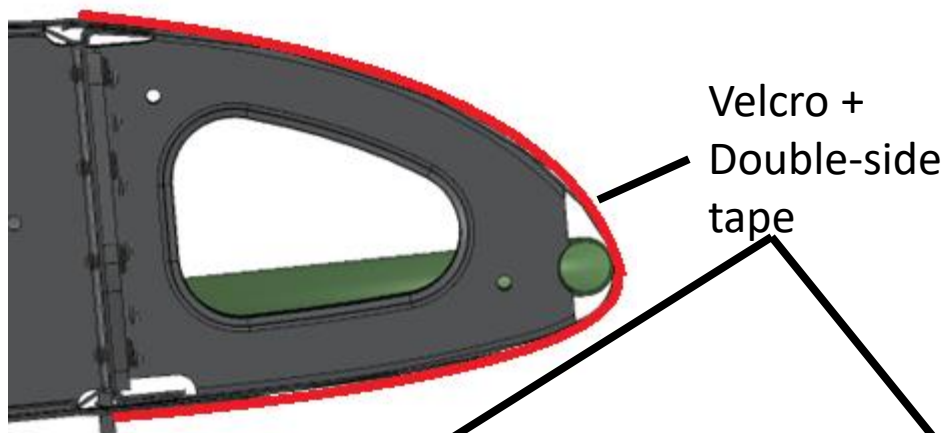
Step 15



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Step 16



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	73	90



D2_W4_03N

Step 17



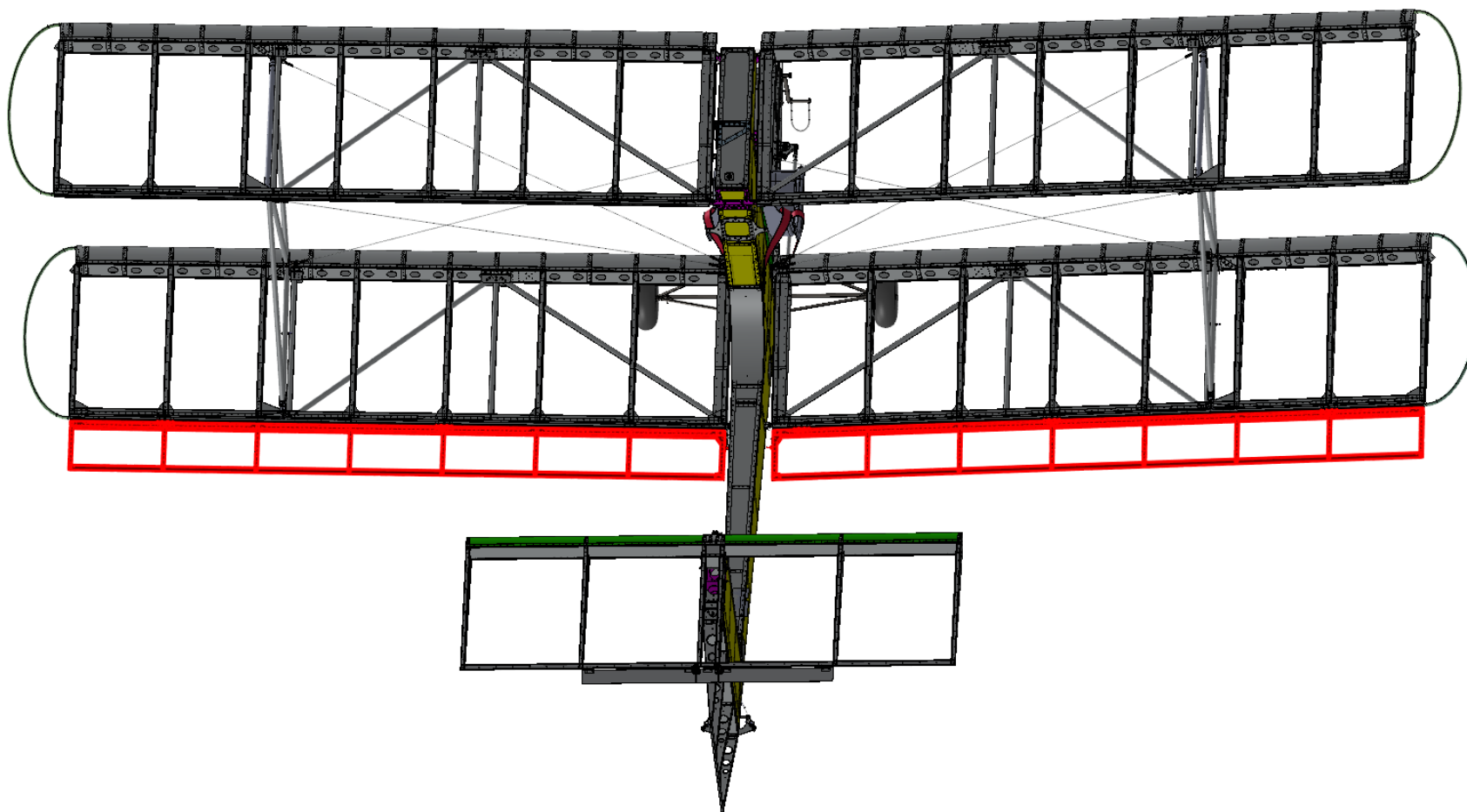
Velcro +
Double-side
tape

Title	Document no.	Revision	Page	Pages
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PART 5 – INSTALLATION OF AILERONS

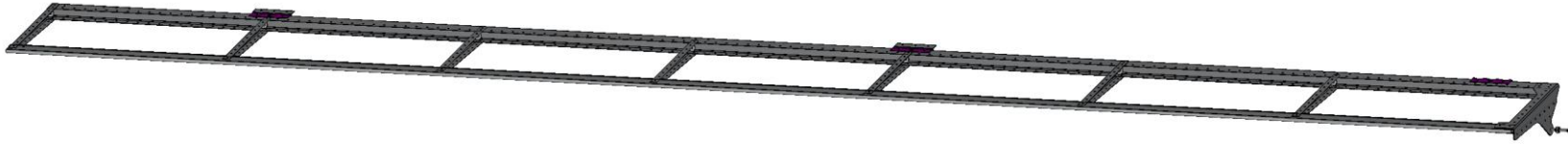
LEFT ONE – RIGHT ONE SYMMETRICAL



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Aileron left
D2_W0_01
1 pc



Aileron right
D2_W0_01
1 pc



D2_W11_14N
3 + 3 pcs



Standard parts

Bolt DIN 912 M6x40	1 + 1 pcs
Washer DIN 125 M6	1 + 1 pcs
Nylock nut DIN 985 M6	1 + 1 pcs
Rubber sealing	3 + 3 m

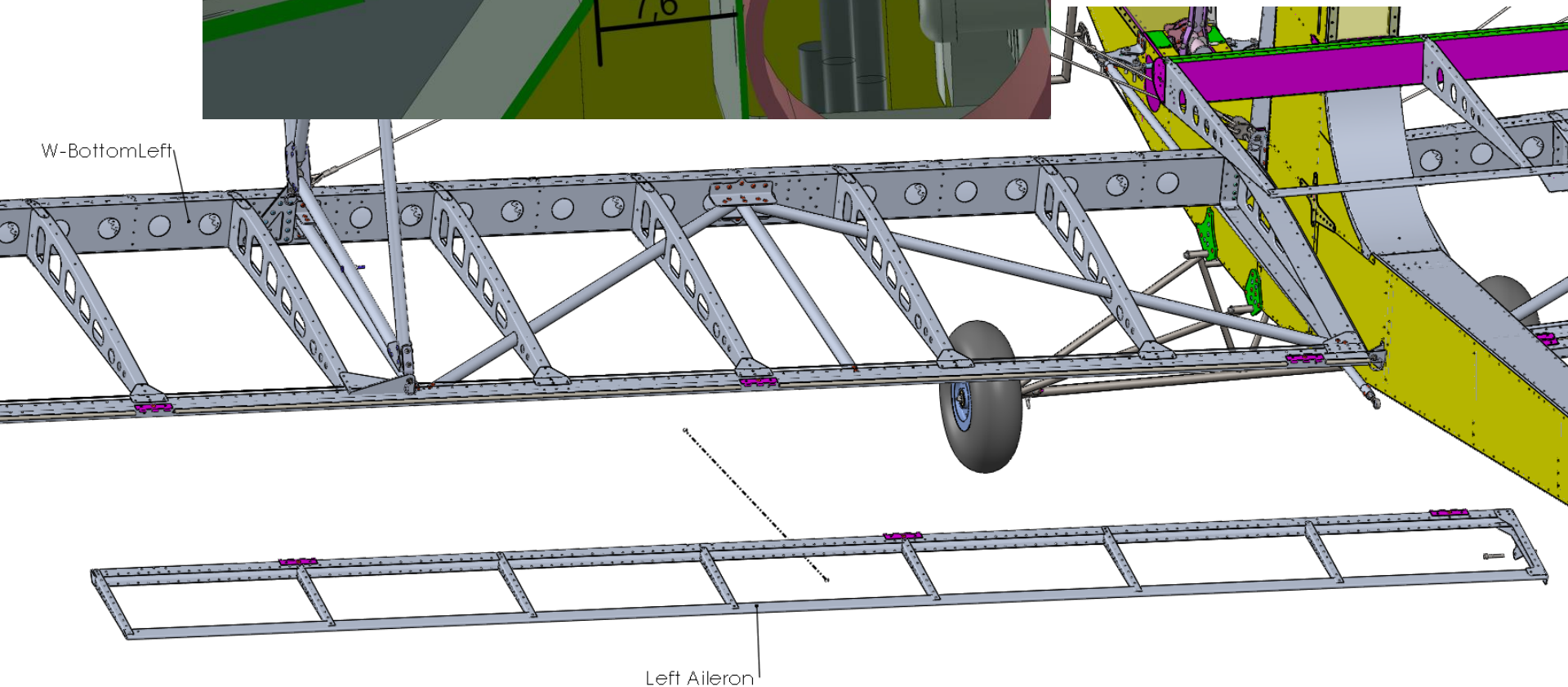
Title	Document no.	Revision	Page	Pages
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Step 1



W-BottomLeft

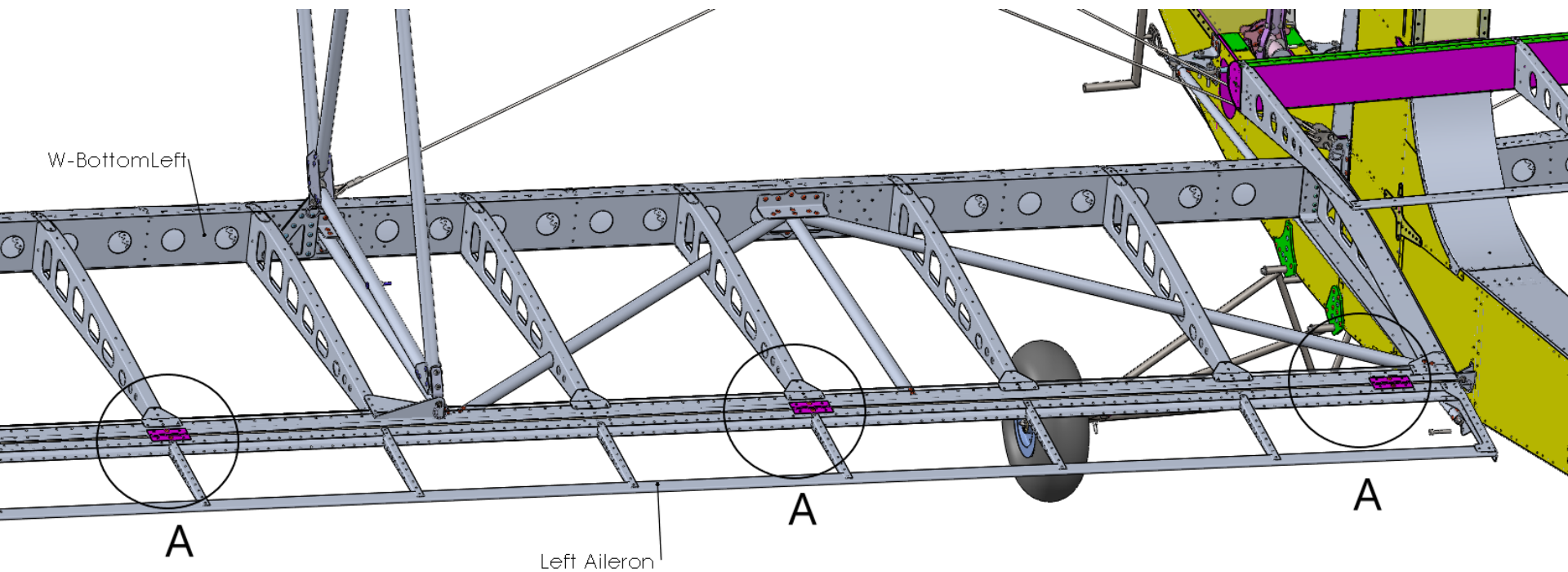


Left Aileron

Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	77	90



Step 2

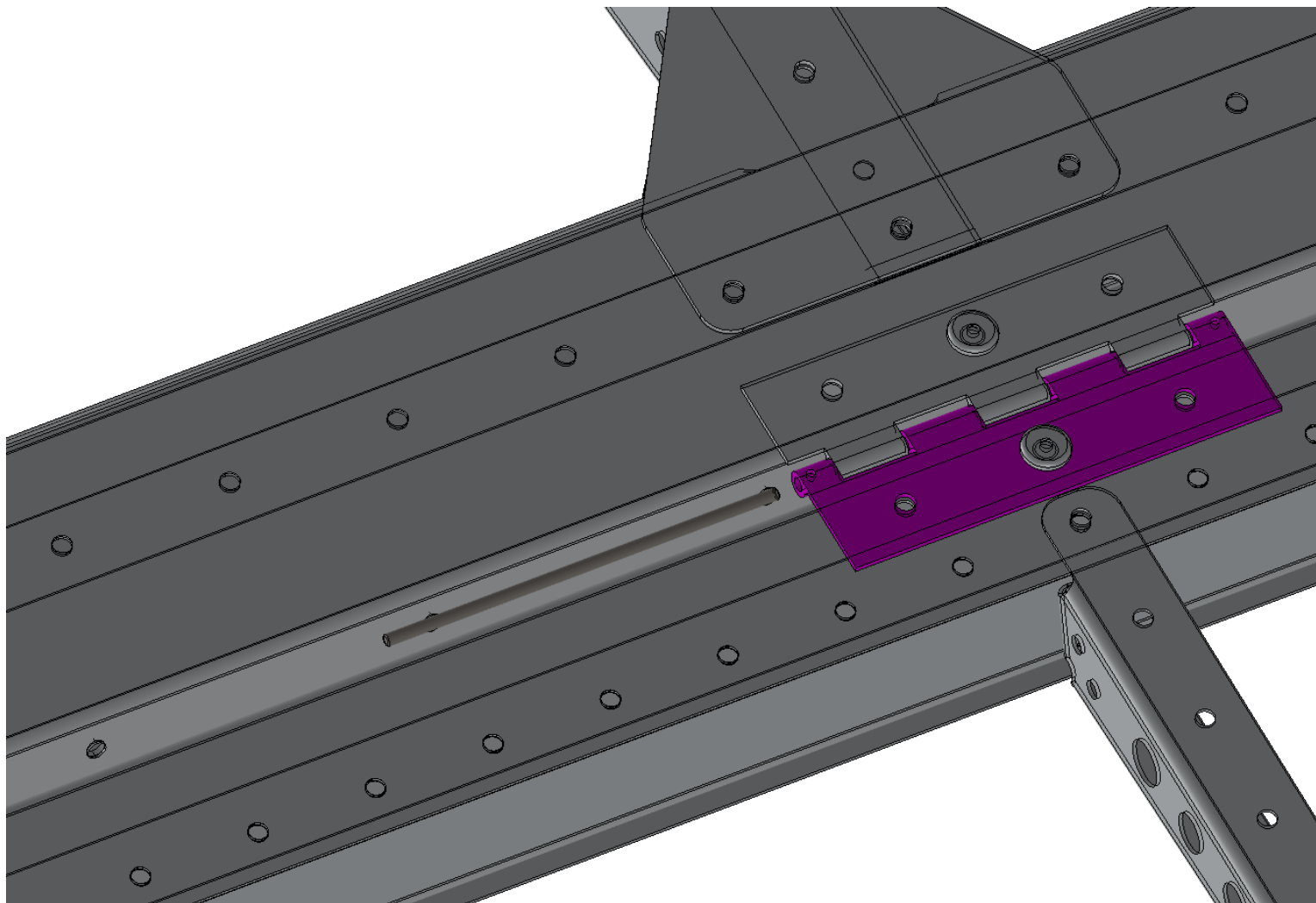


Title	Document no.	Revision	Page	Pages
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Step 2A-1

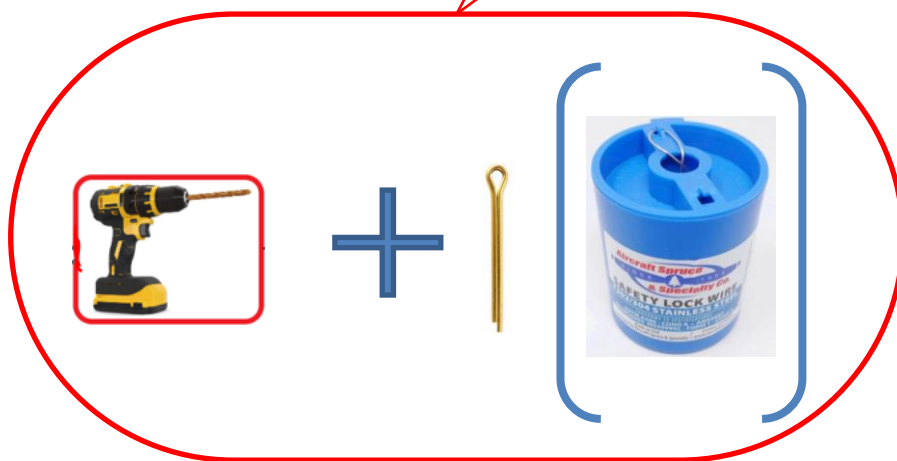
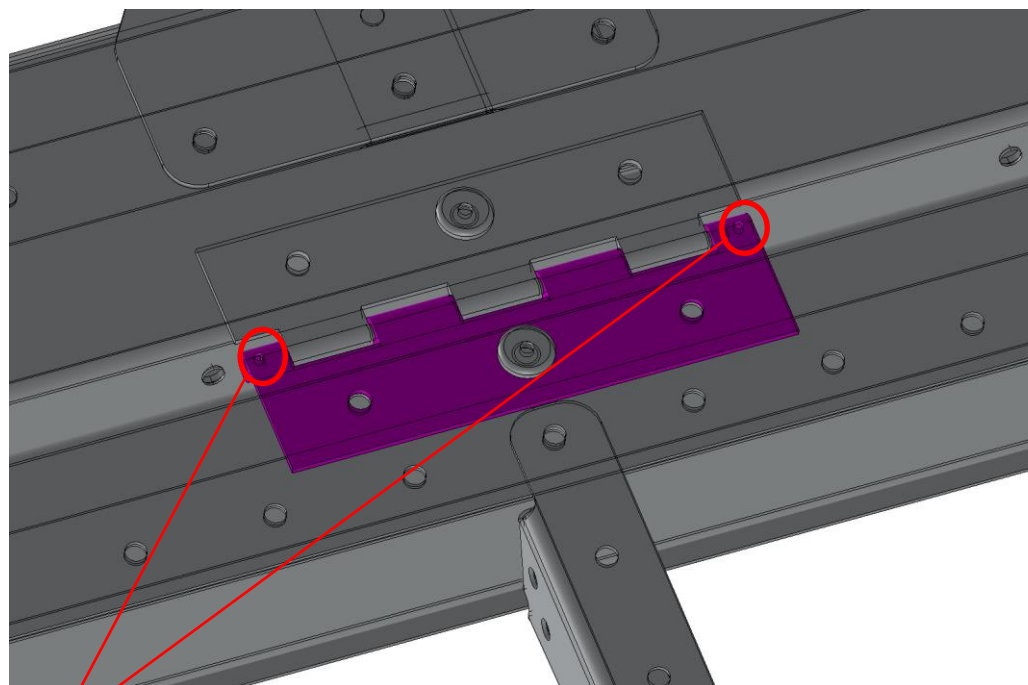
A



Title	Document no.	Revision	Page	Pages
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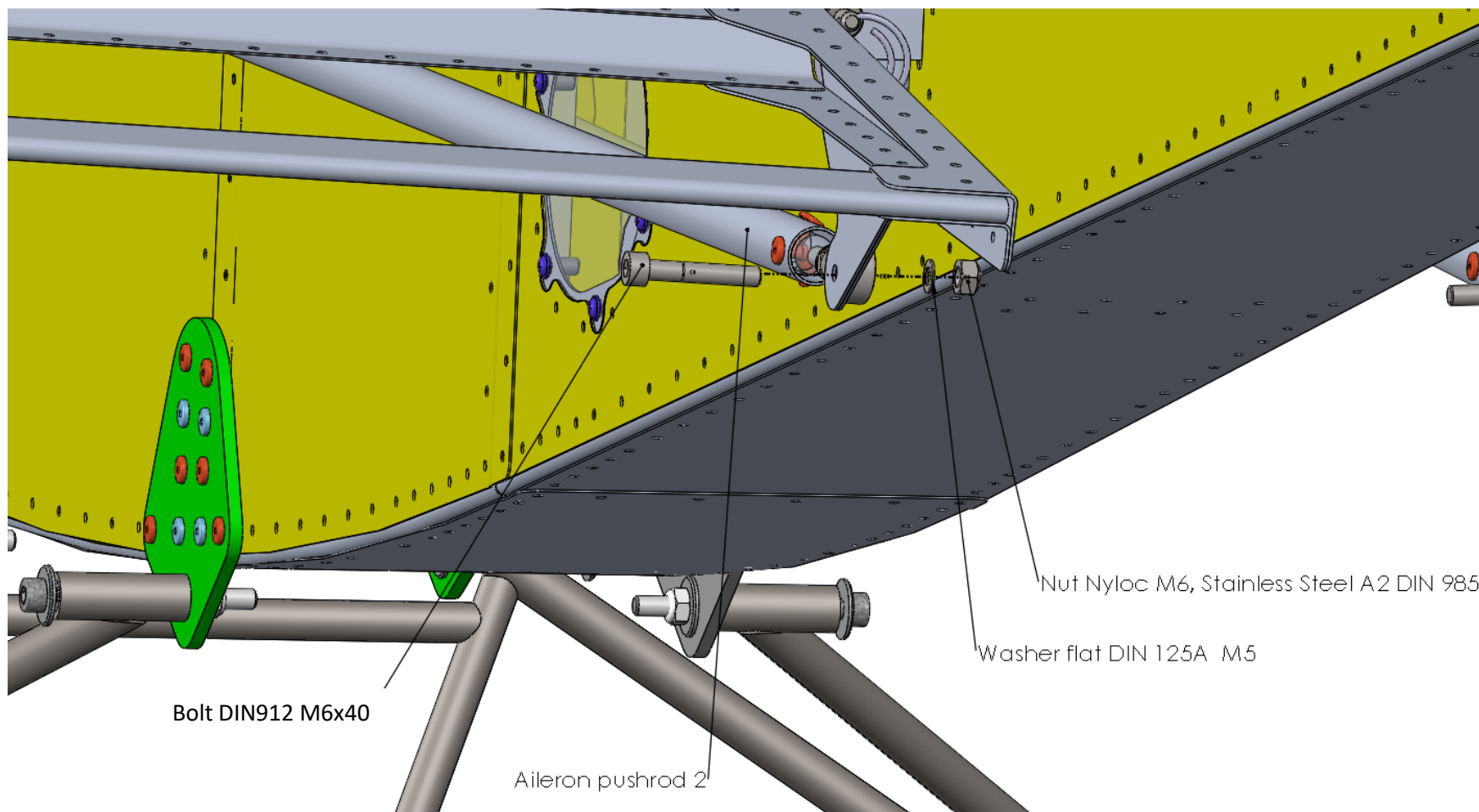
Step 2A-2



Title	Document no.	Revision	Page	Pages
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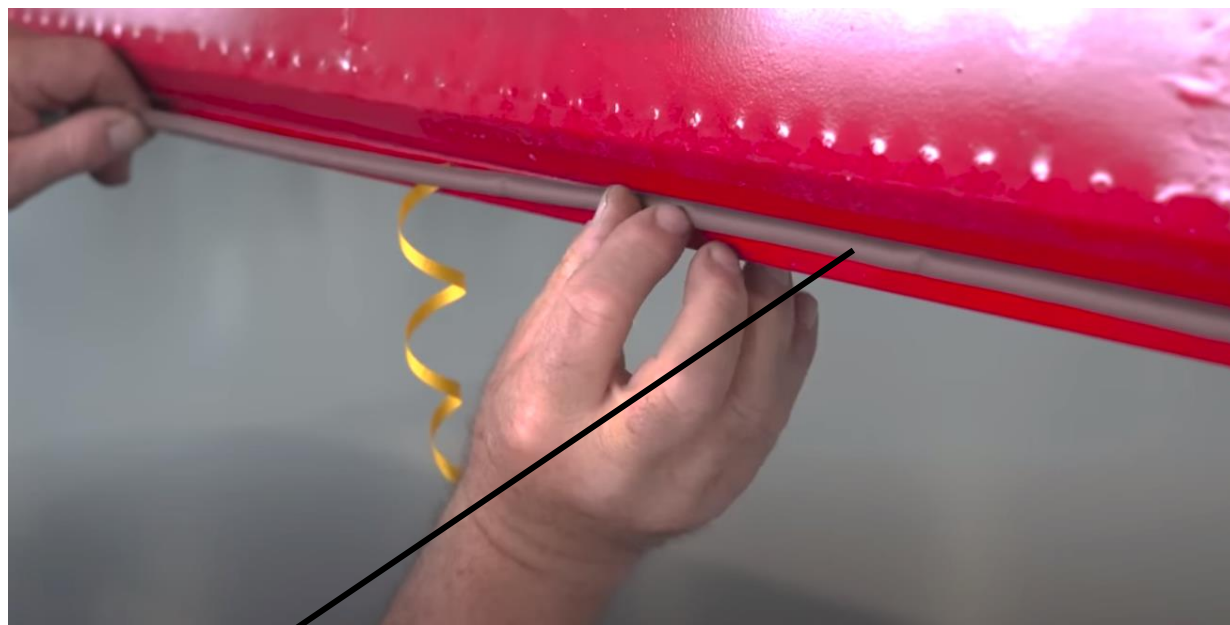
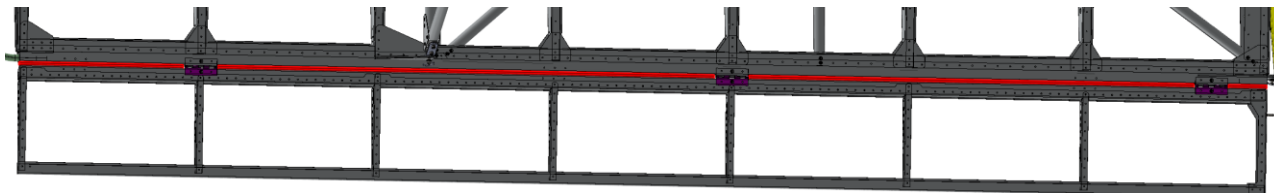
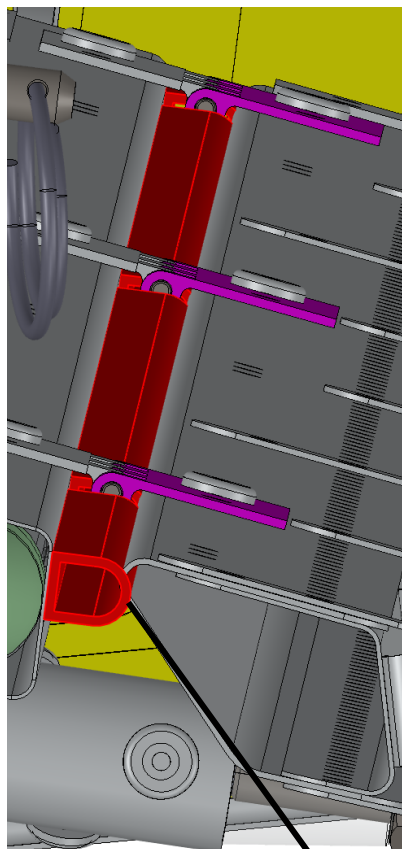
Step 3



Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	81	90



Step 4

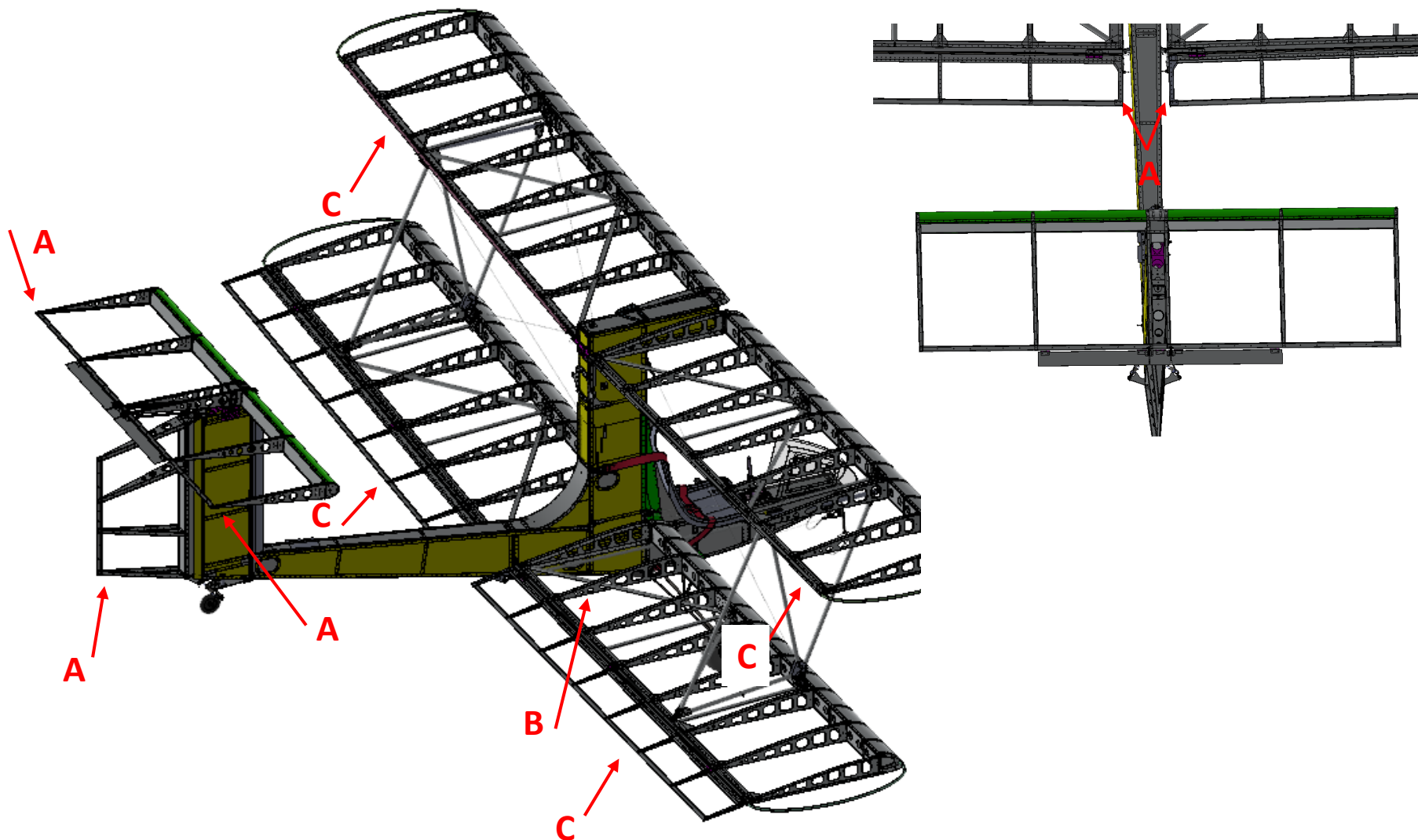


Rubber seal

Title	Document no.	Revision	Page	Pages
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If required, you can make drain holes on following spots:

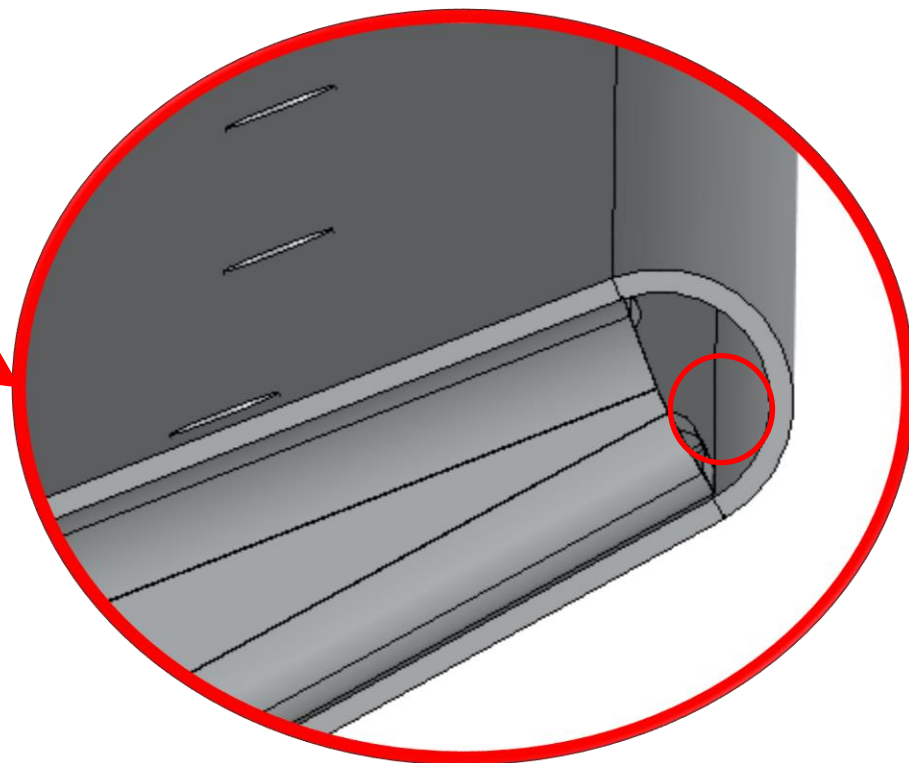


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Step 1

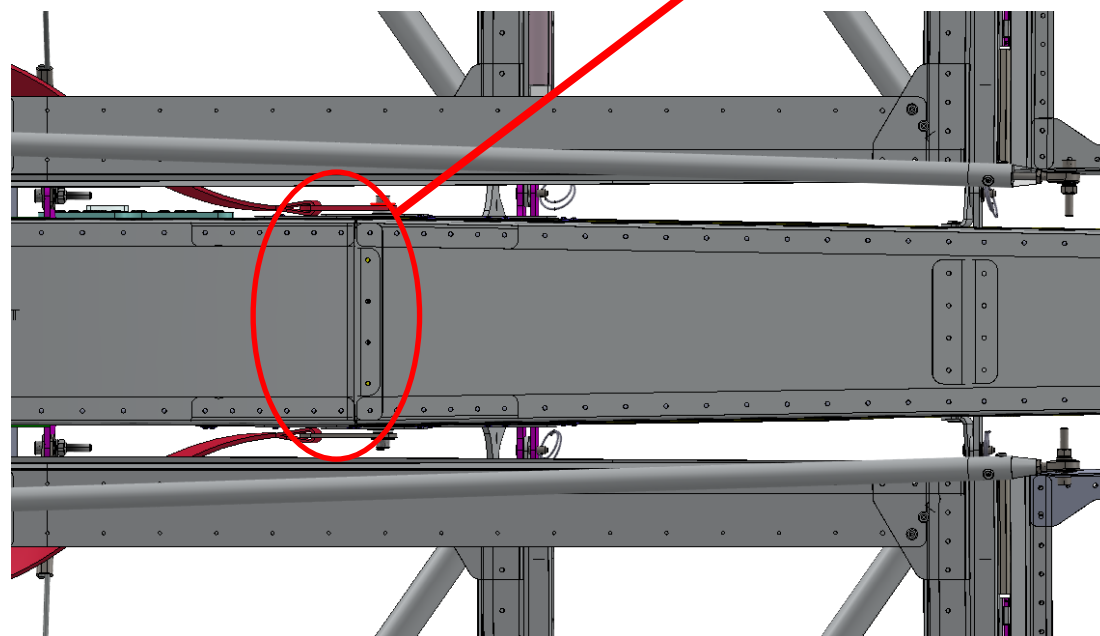
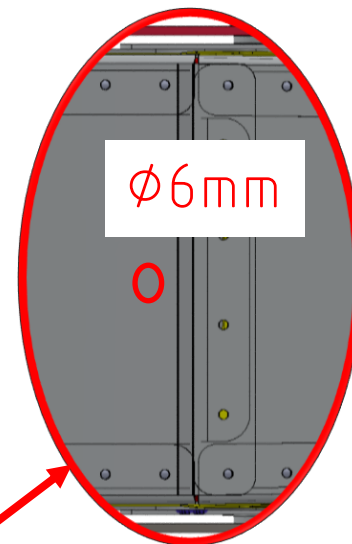
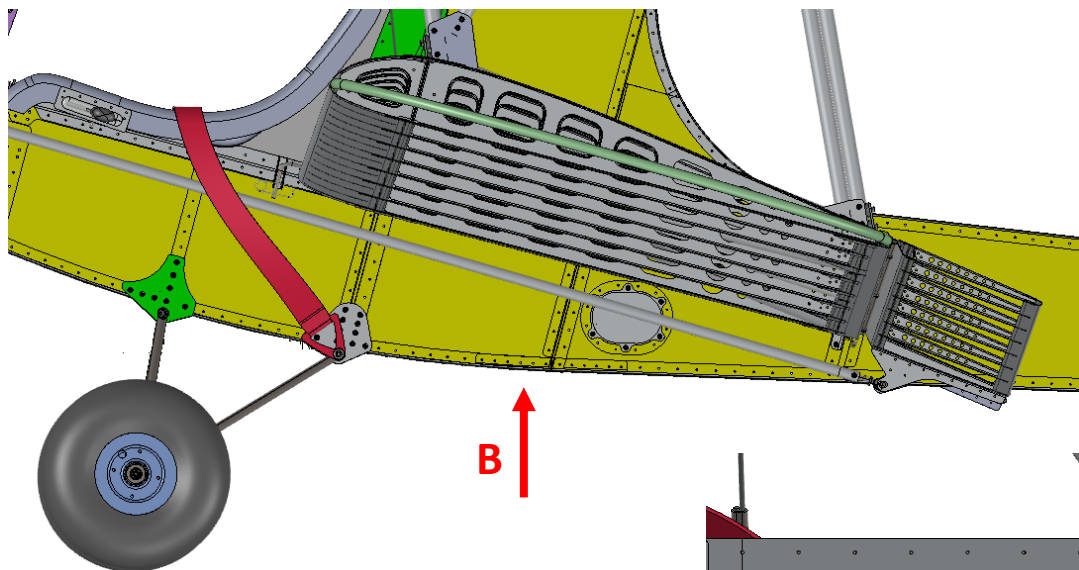
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Title	Document no.	Revision	Page	Pages
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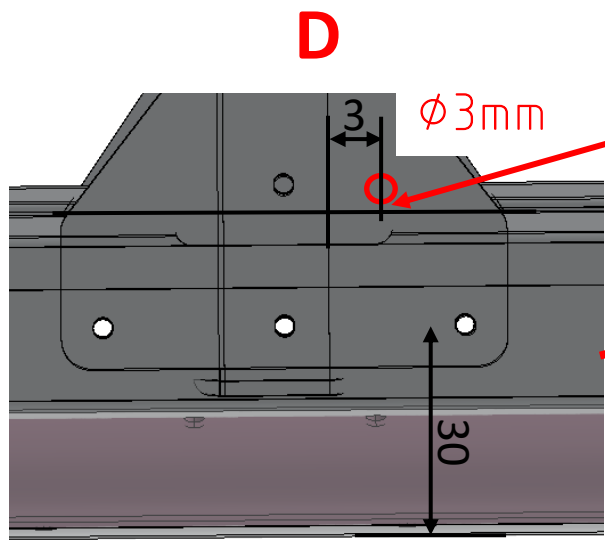
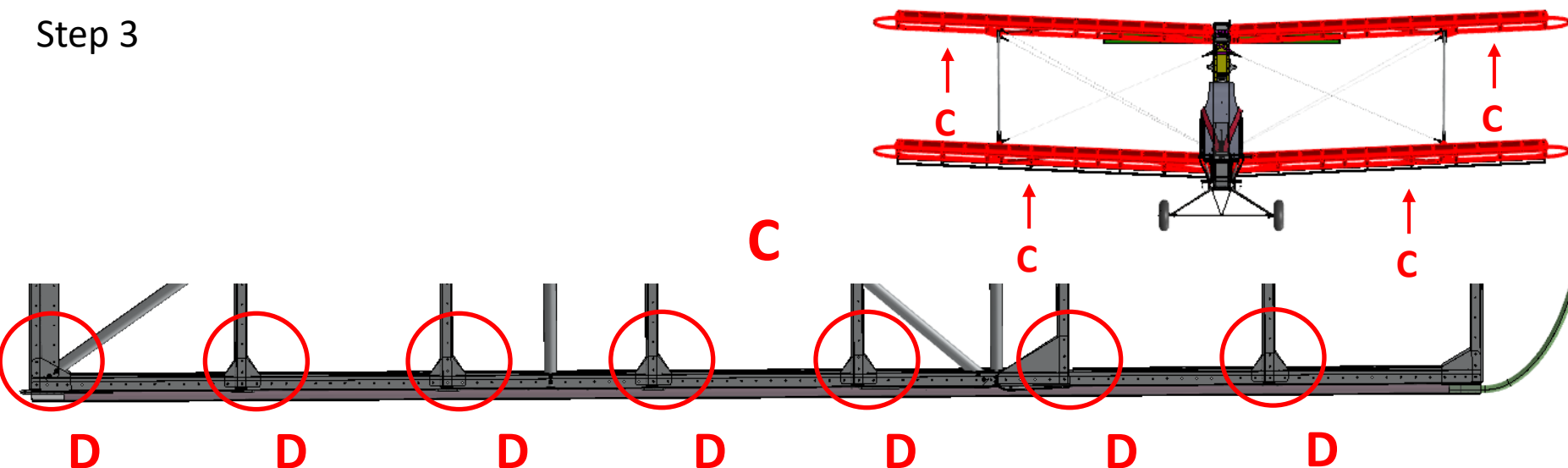
Step 2



Title	Document no.	Revision	Page	Pages
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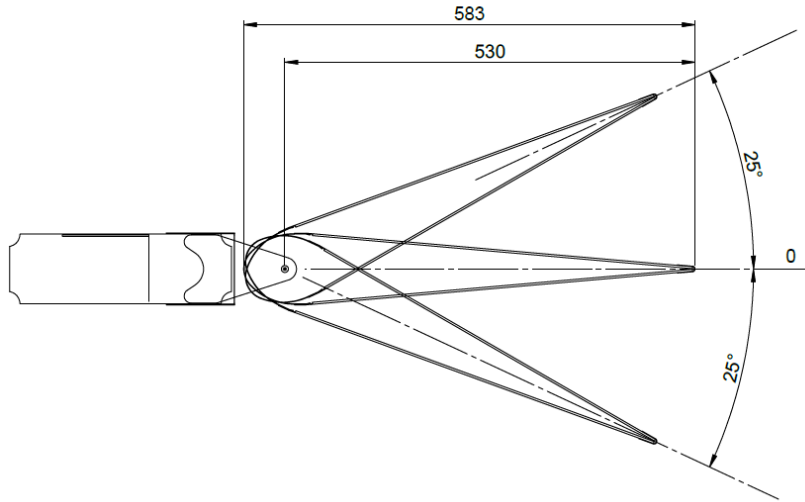
Step 3



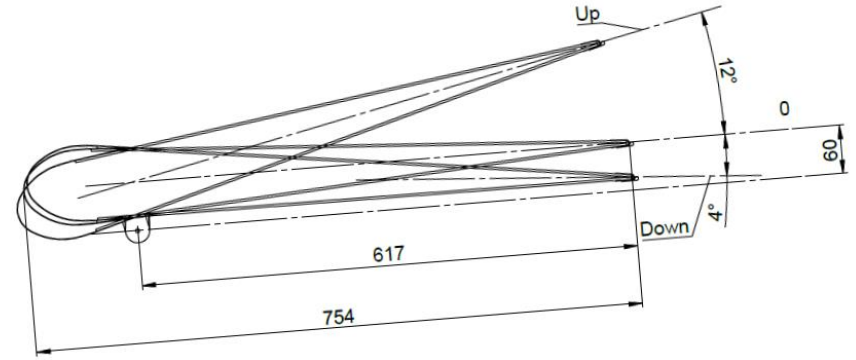
Title	Document no.	Revision	Page	Pages
Final assembly manual	D2_00_00	Rev. 02	86	90



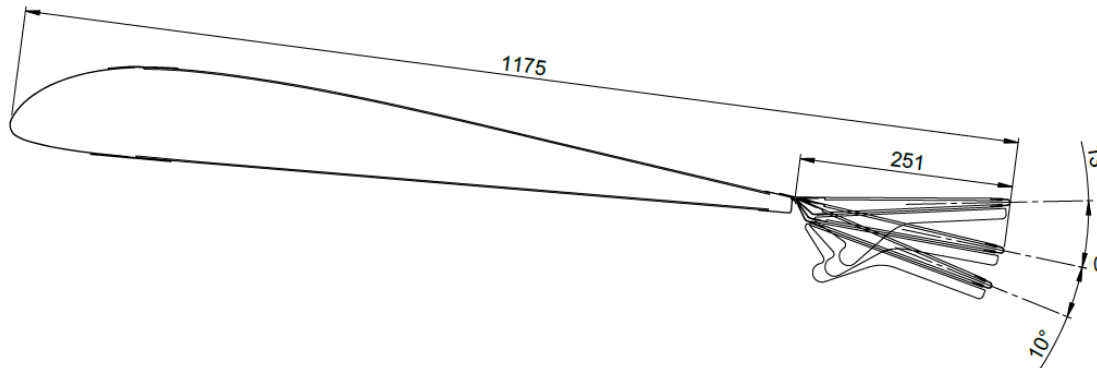
Rudder



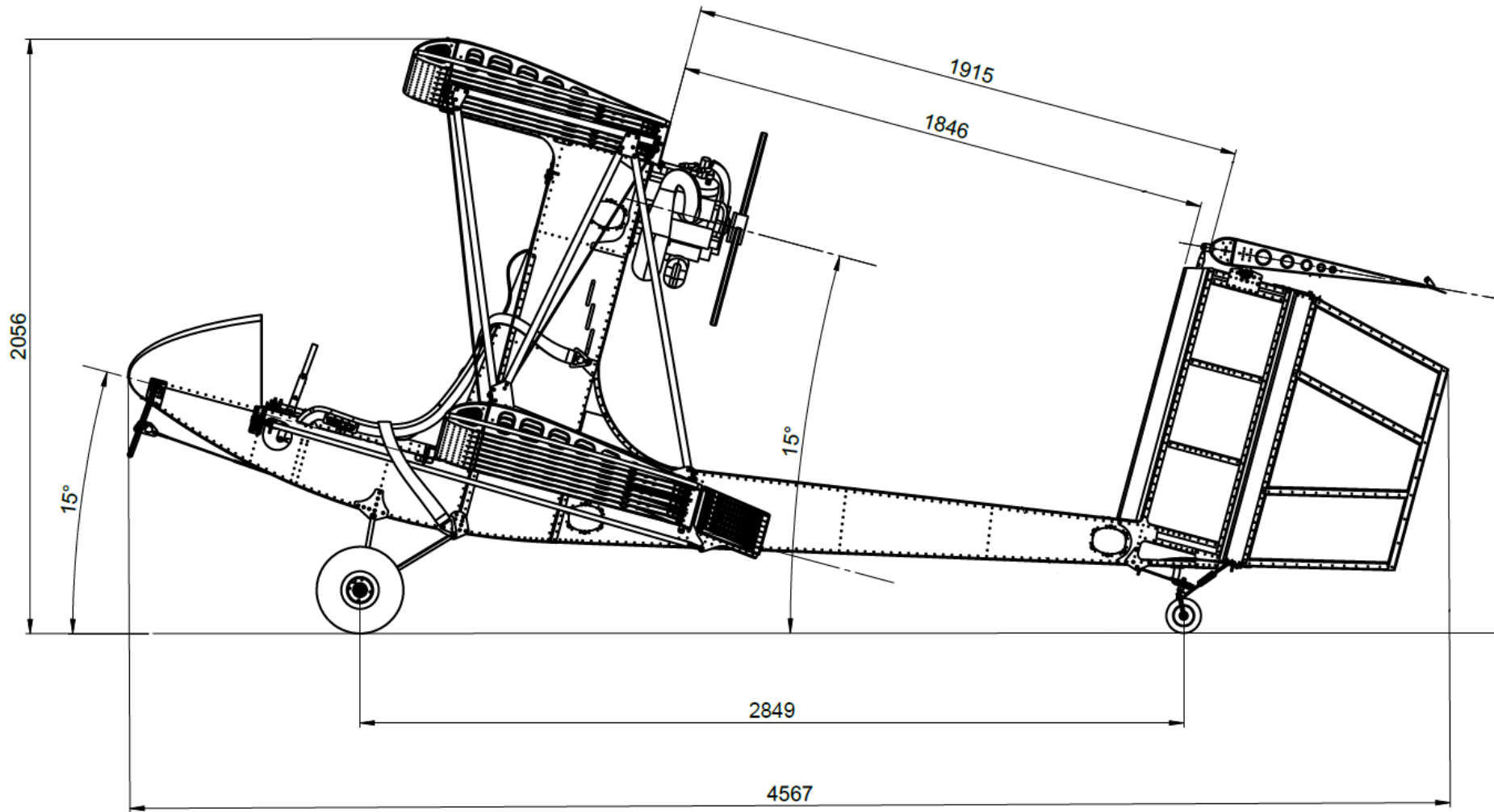
Elevator



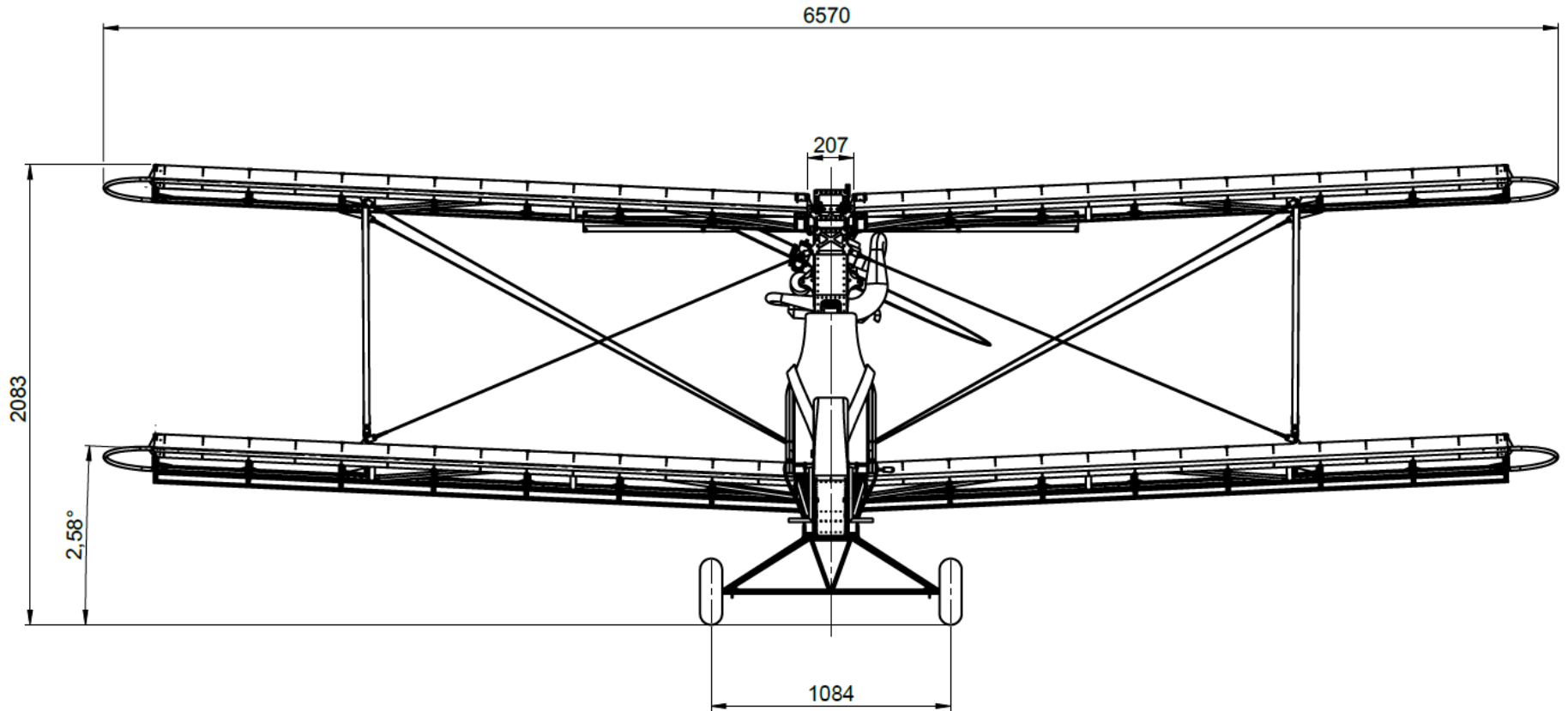
Aileron



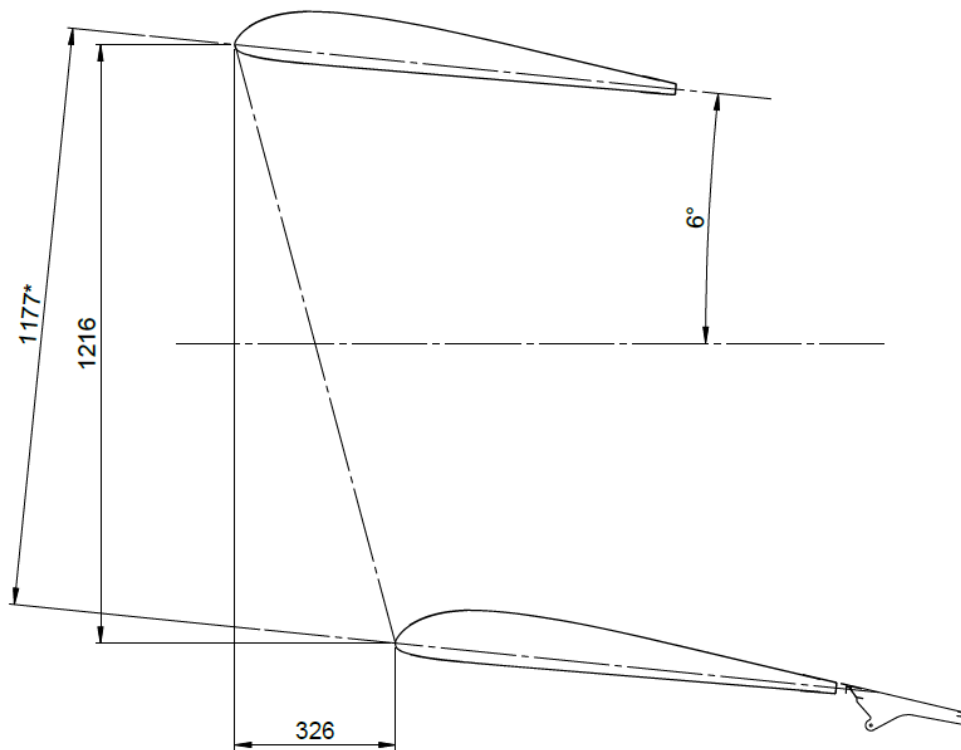
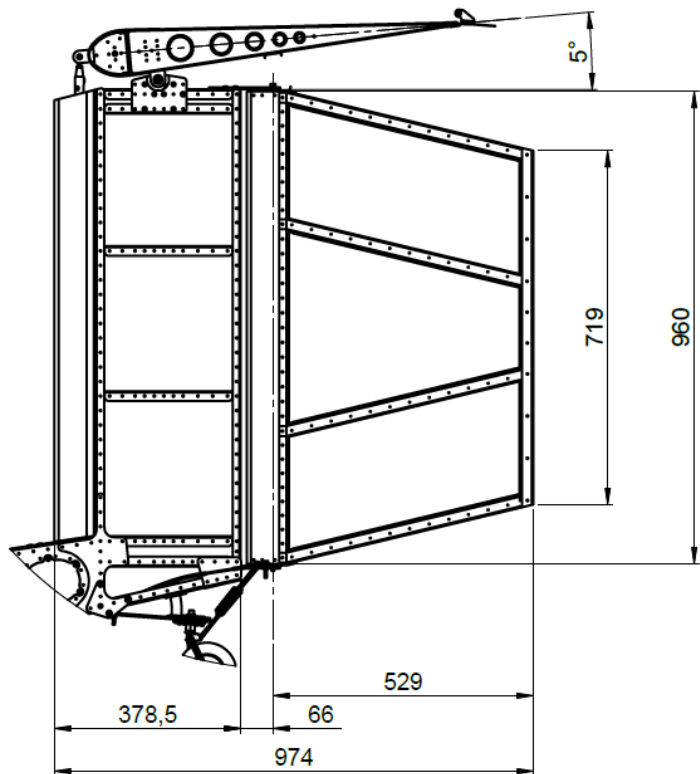
Title	Document no.	Revision	Page	Pages
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Title	Document no.	Revision	Page	Pages
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Title	Document no.	Revision	Page	Pages
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