

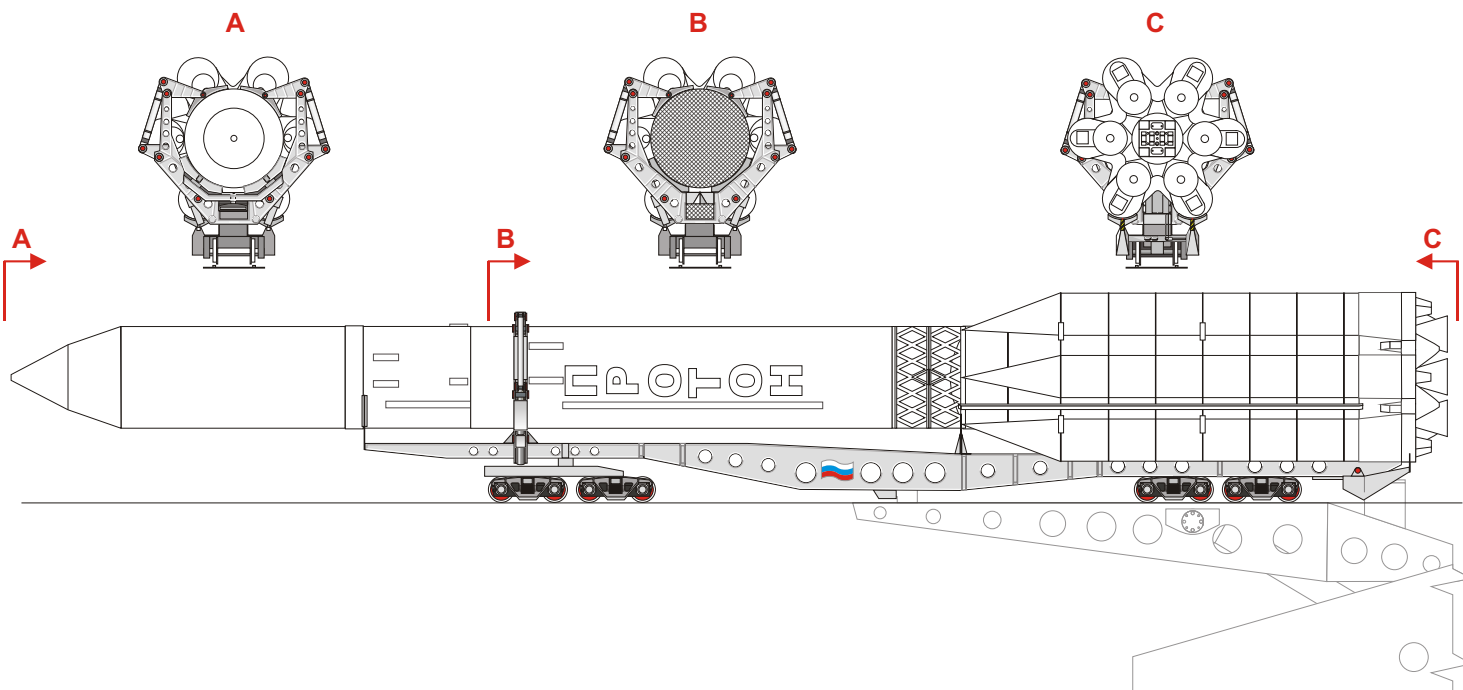
# Launch Pad for Proton family

1:96 scale

## Project Part III - Transporter

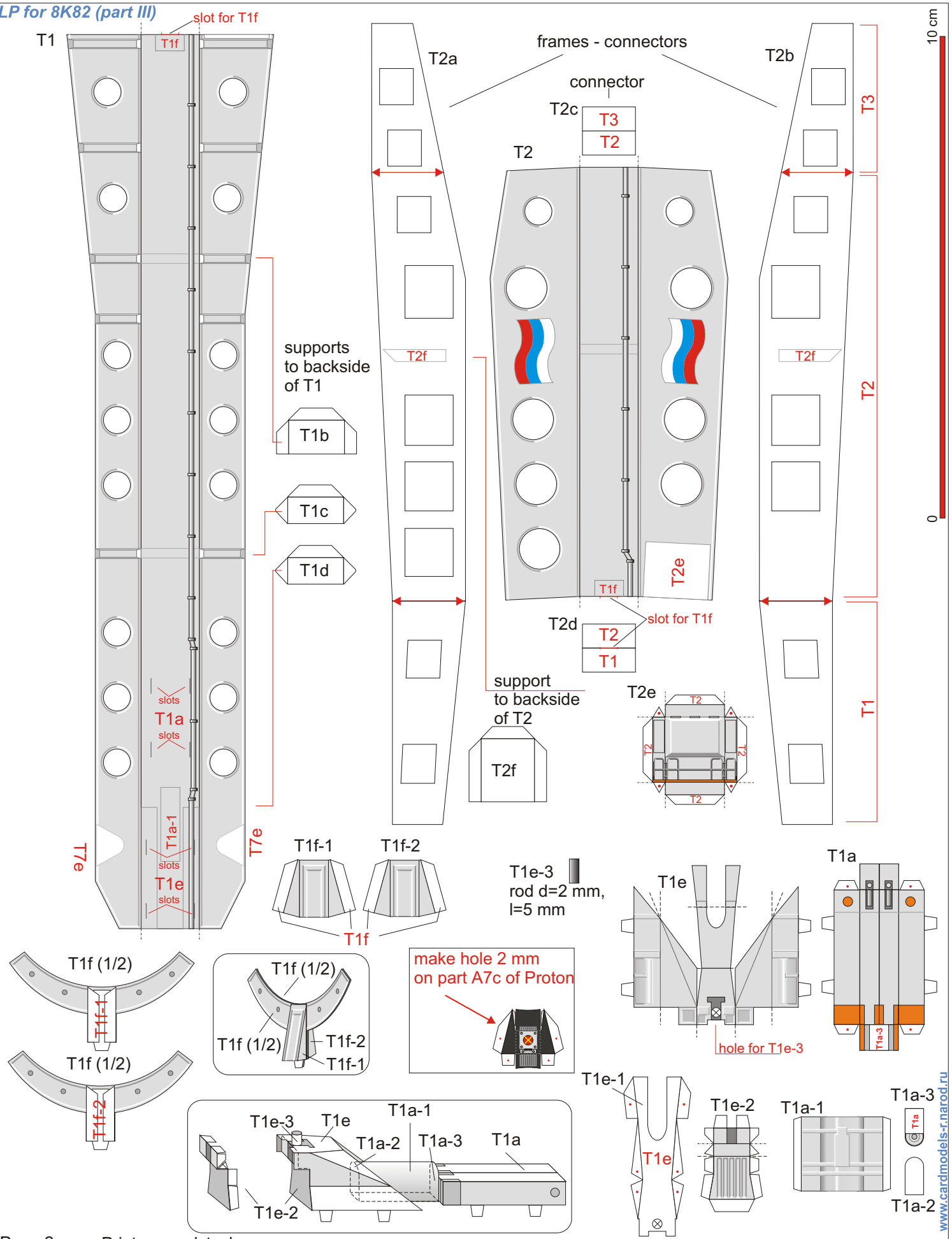
Пусковая установка  
для РН семейства Протон  
масштаб 1:96

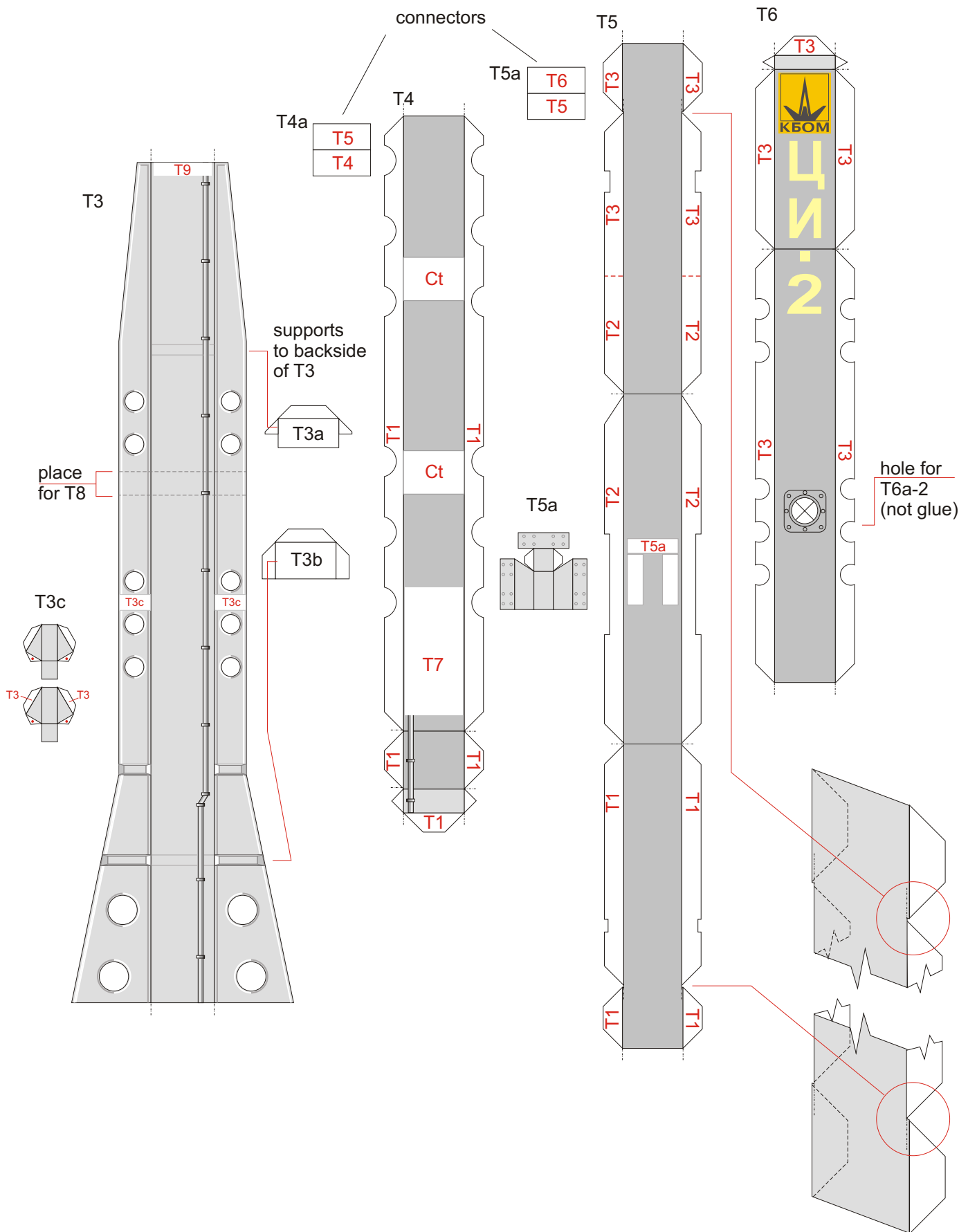
### Часть III - Транспортно-установочный агрегат



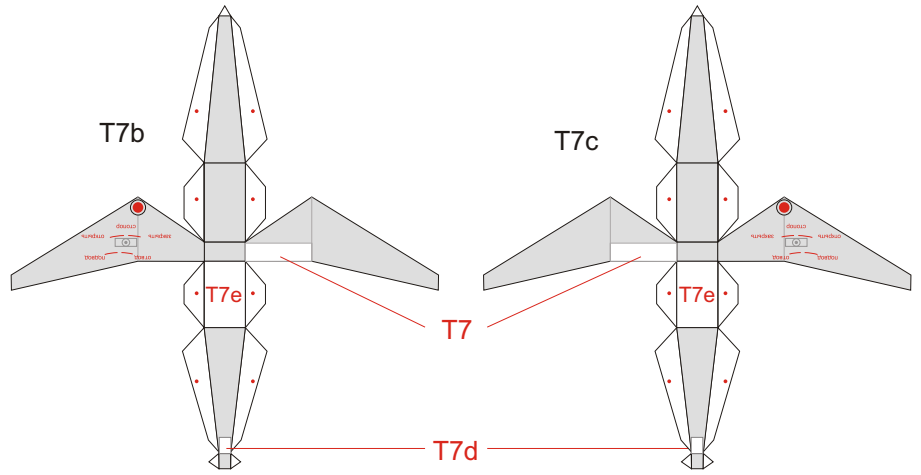
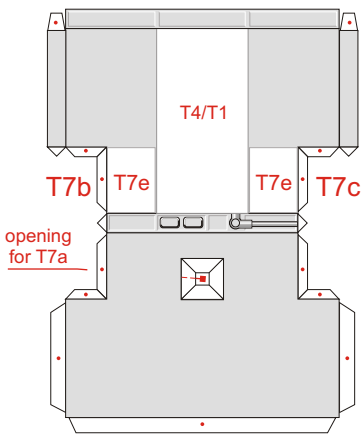
Paper used:  
0,26 mm - 200 gr ("cardstock")  
Glue: PVA

Many thanks to Joe Polchlopek for the test-building!

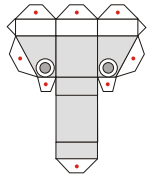




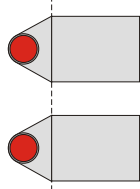
T7



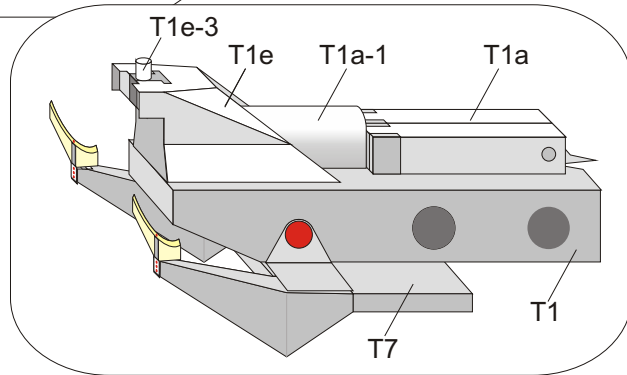
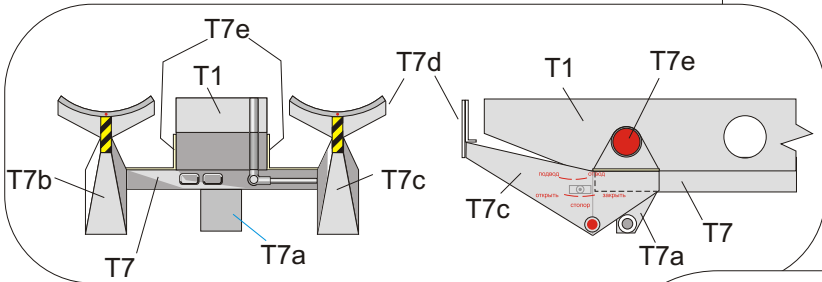
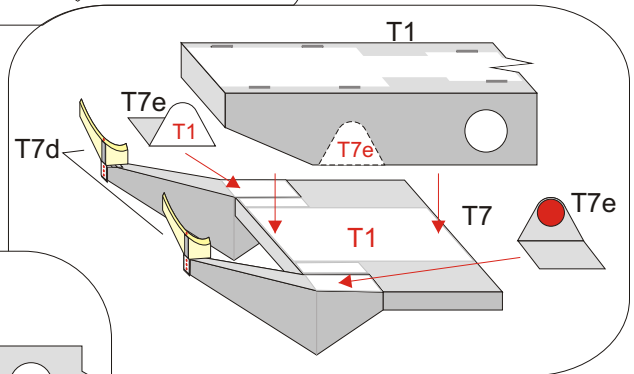
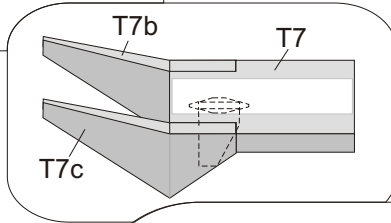
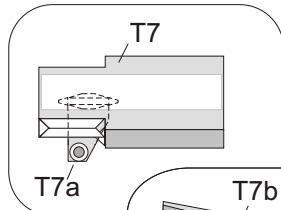
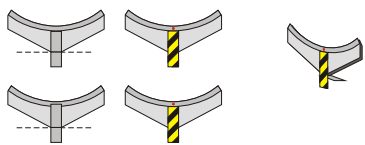
T7a

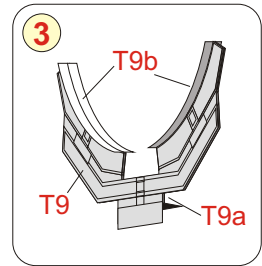
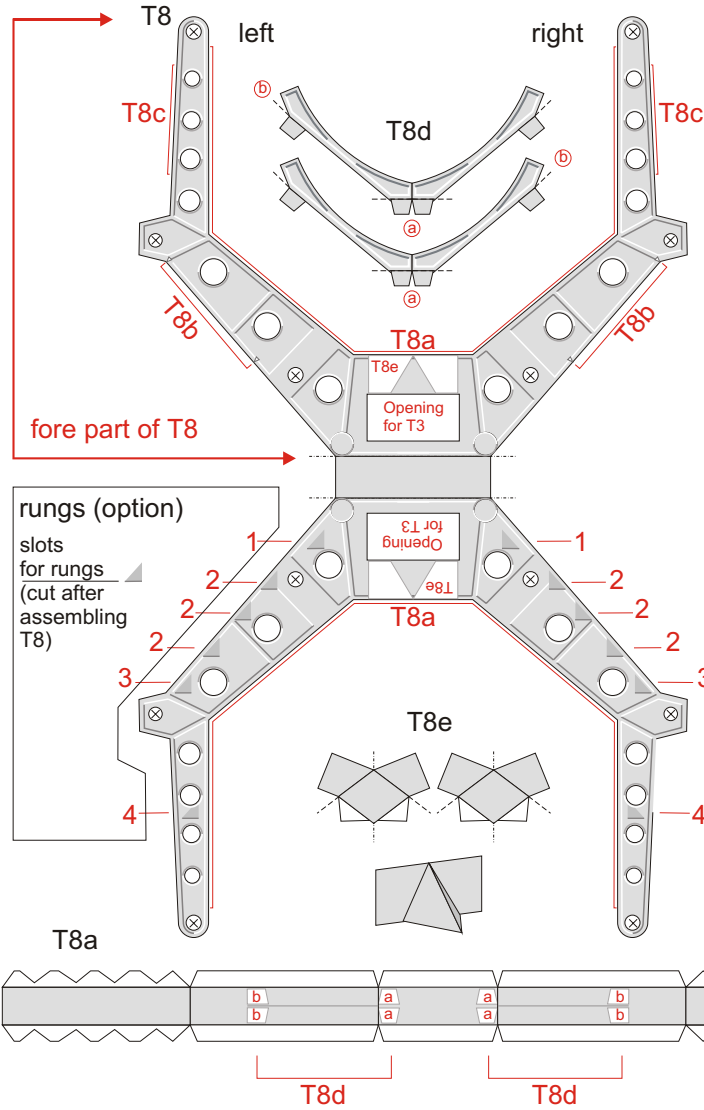
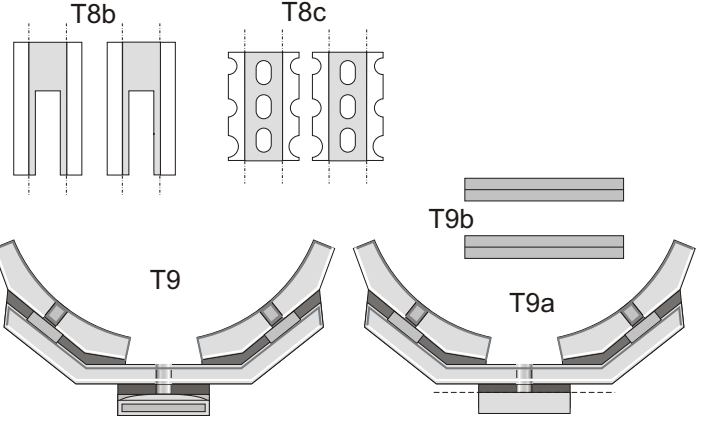
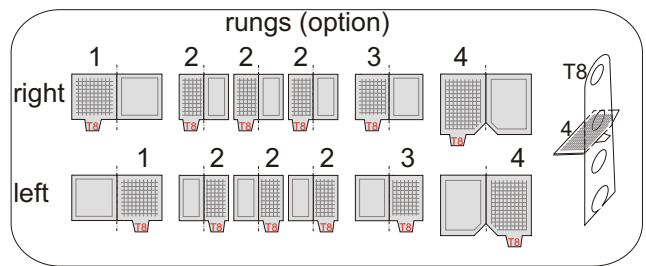
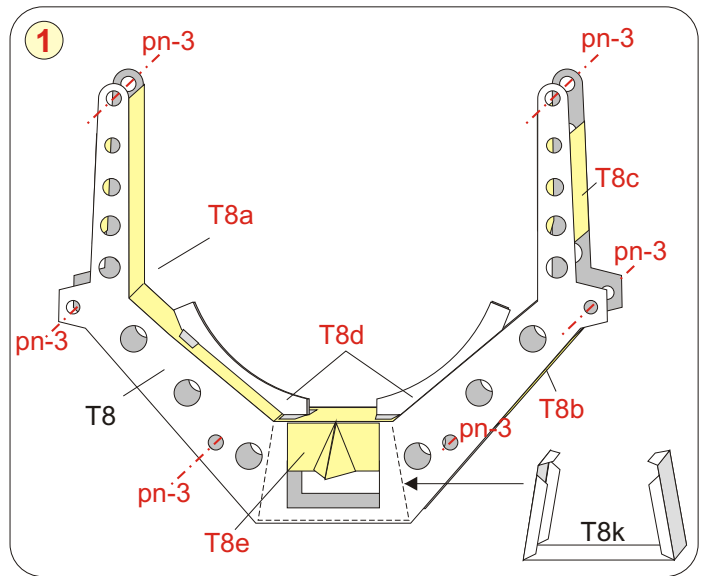
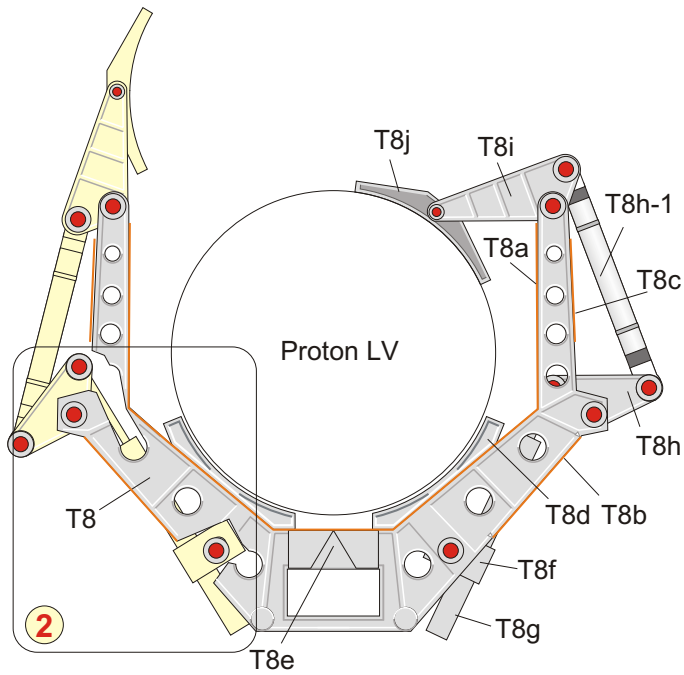


T7e



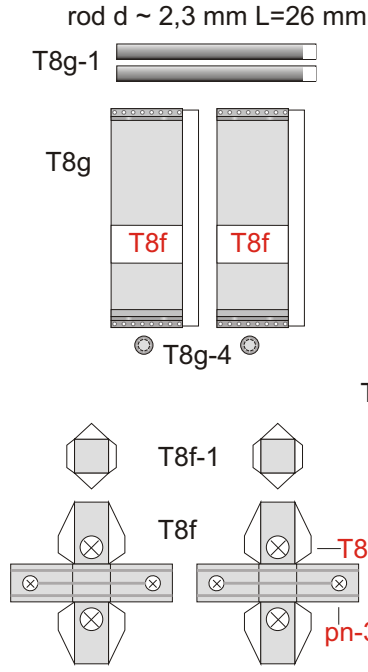
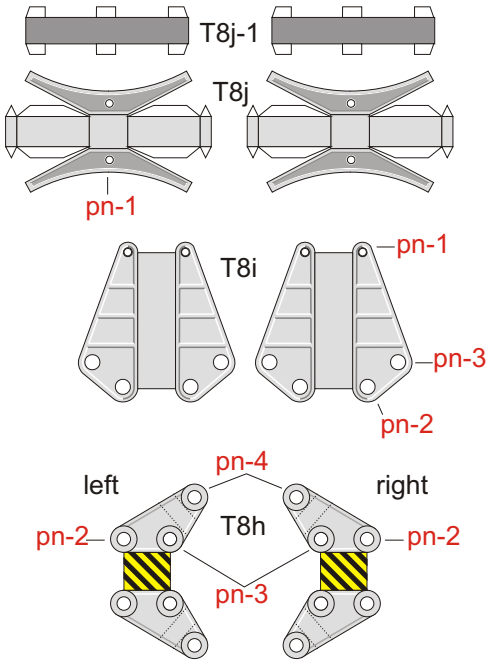
T7d



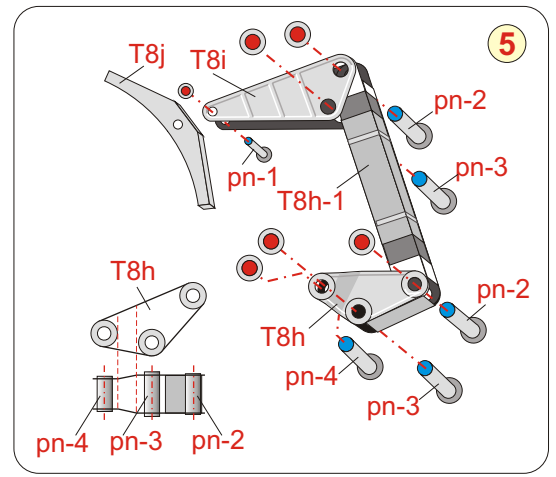
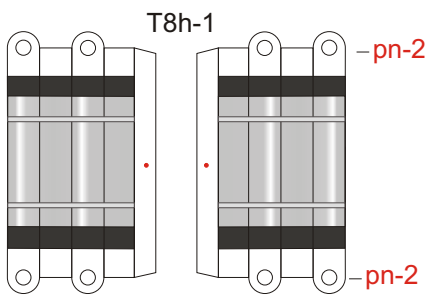
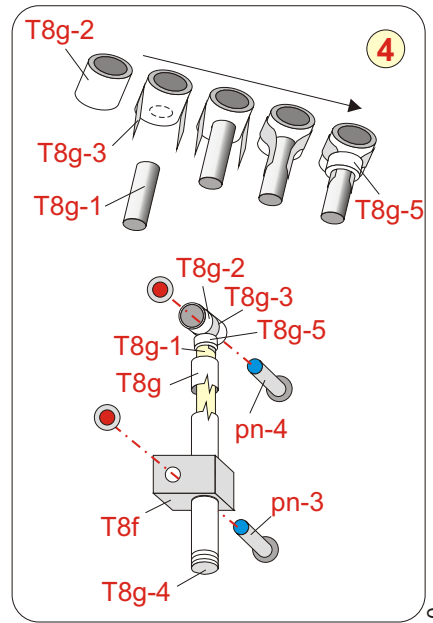


1 - glue T8 by T8a, T8b, T8c, T8k (see diagram 1)

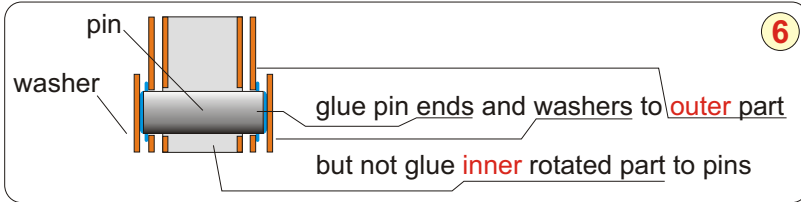
2 - add T8d and T8e



glue cylinder T8g-2  
by spooling on rod d = 2 mm

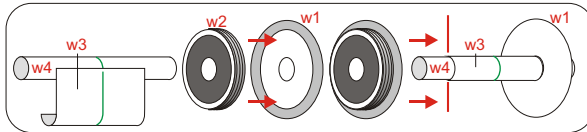
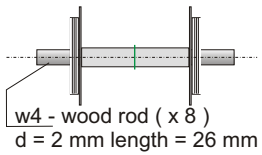


	pins	washers
pn-1	d=1 mm L=5,2 mm (X2)	● ● ● ●
pn-2	d=2 mm L=5,2 mm (X4)	● ● ● ● ● ● ● ●
pn-3	d=2 mm L=5,7 mm (X6)	● ● ● ● ● ● ● ● ● ● ● ●
pn-4	d=2 mm L=4,5 mm (X2)	● ● ● ●

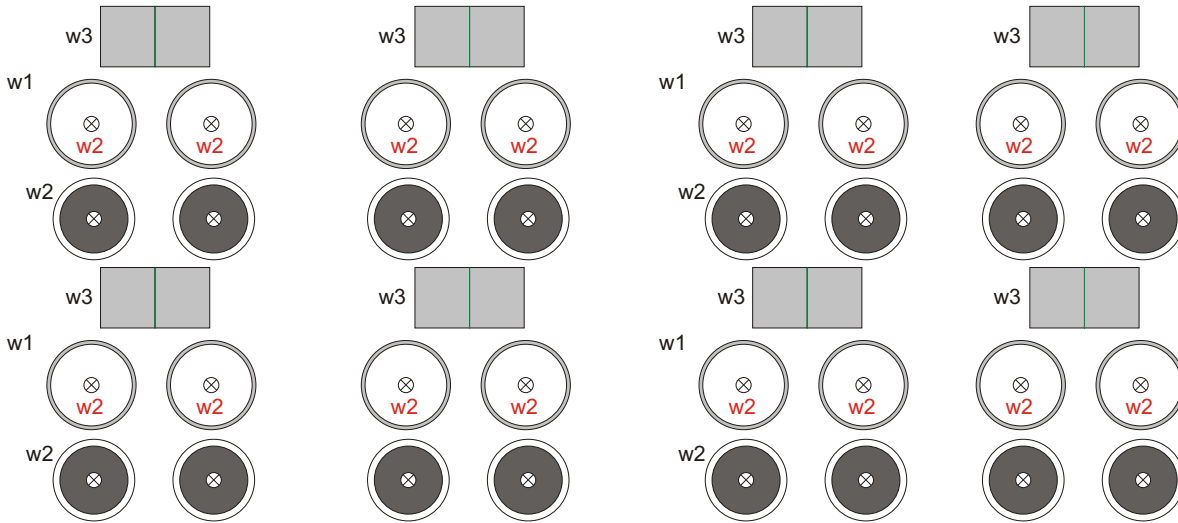
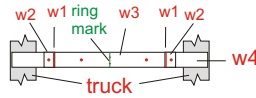


- 1 - assembly parts as shown on diagrams 4, 5, 6 except pins pn-3 and pn-4
- 2 - assembly results of diagram 4 and of diagram 5 by pin pn-4
- 3 - assembly all with part T8 by pins pn-3 (see also diagram 2)

wheel pairs for parts T1 and T3

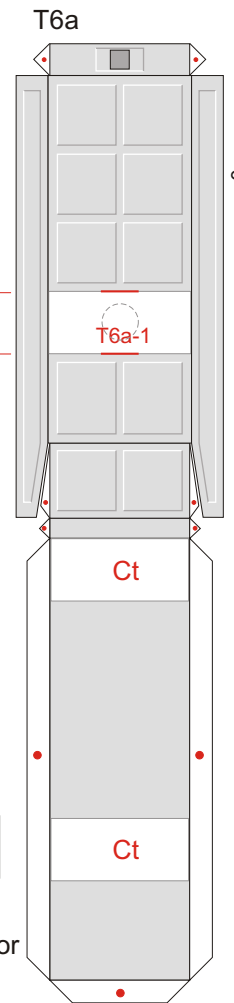
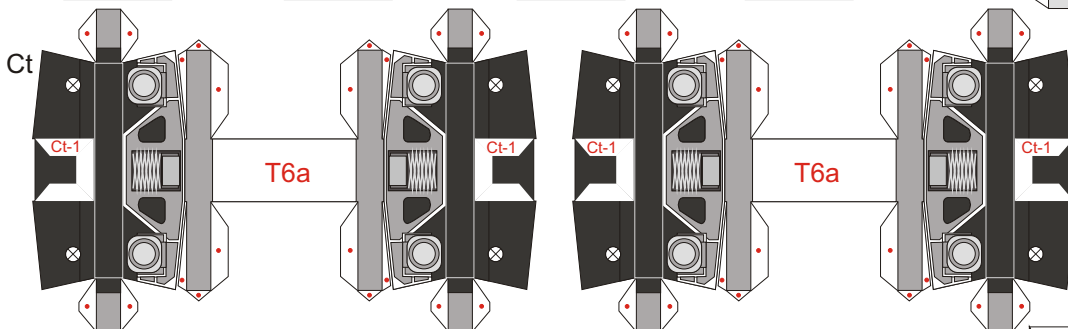
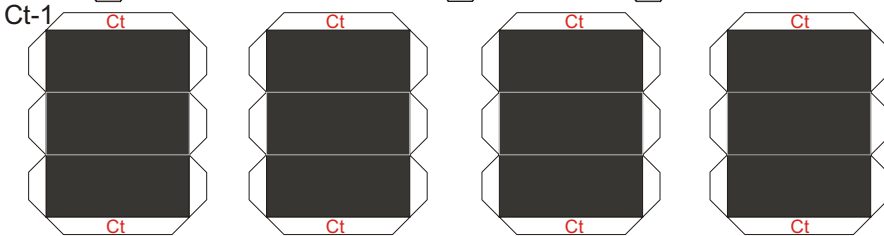
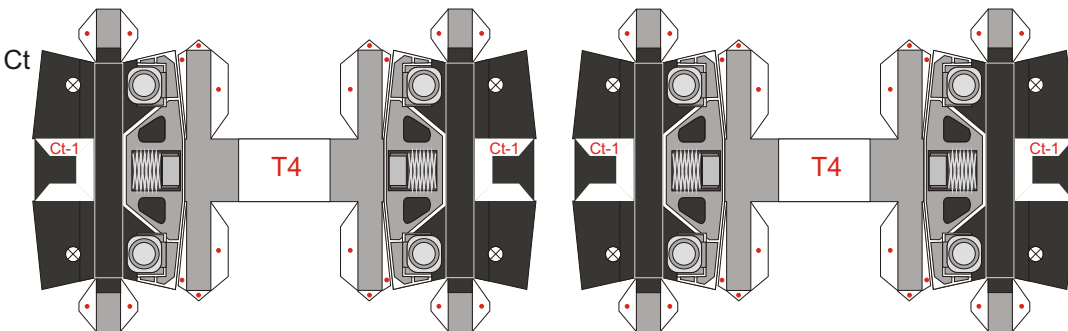
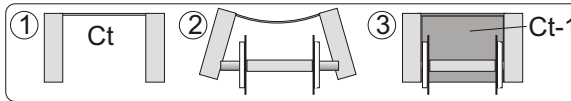


- 1 - Before assembling make **ring mark** on the centre of the rod (13 mm from any end) then glue w3 superposing its **green line** with this mark.
- 2 - Parts w2 laminate to 1,5 - 1,6 mm (for example - 6 x 0,25 mm paper).
- 3 - Assembly as shown on diagram.

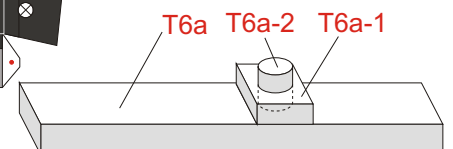


trucks

- 1 - glue bodies of trucks Ct
- 2 - insert wheel pairs into holes in trucks
- 3 - glue connecting boxes Ct-1



- 1 - glue T6a
- 2 - glue T6a-2 and T6a-1 on top of T6a
- 3 - glue trucks on bottom of T6a



10 cm

0





1 - Fold T1, T2, T3 to right-angled cross-section

2 - glue inner supports into T1, T3

3 - glue connectors T2a, T2b into T2

4 - assembly T1, T2, T3 by connectors T2a, T2b (**important!** - top levels of T1 and T3 must be mutually parallel)

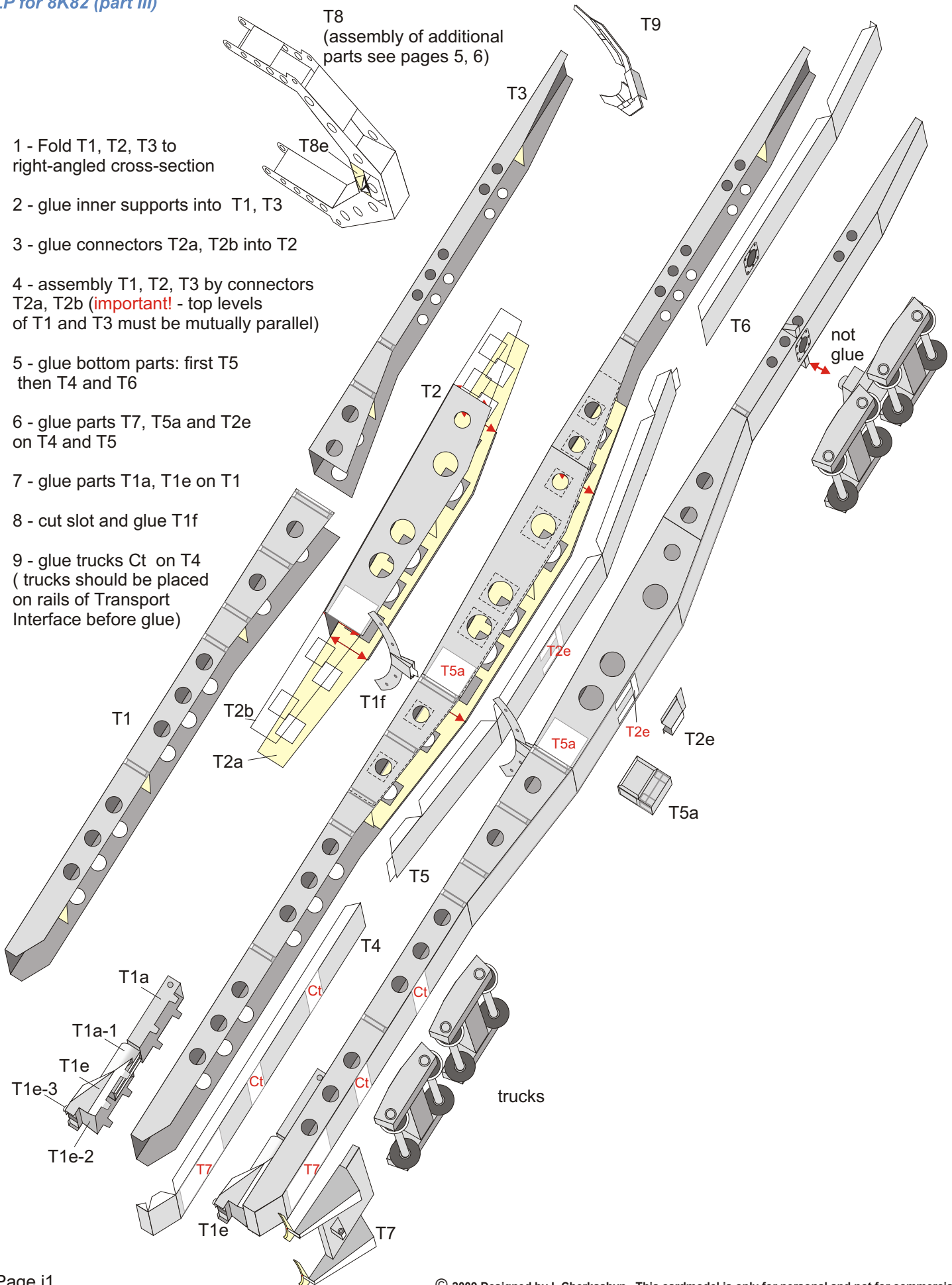
5 - glue bottom parts: first T5 then T4 and T6

6 - glue parts T7, T5a and T2e on T4 and T5

7 - glue parts T1a, T1e on T1

8 - cut slot and glue T1f

9 - glue trucks Ct on T4 (trucks should be placed on rails of Transport Interface before glue)

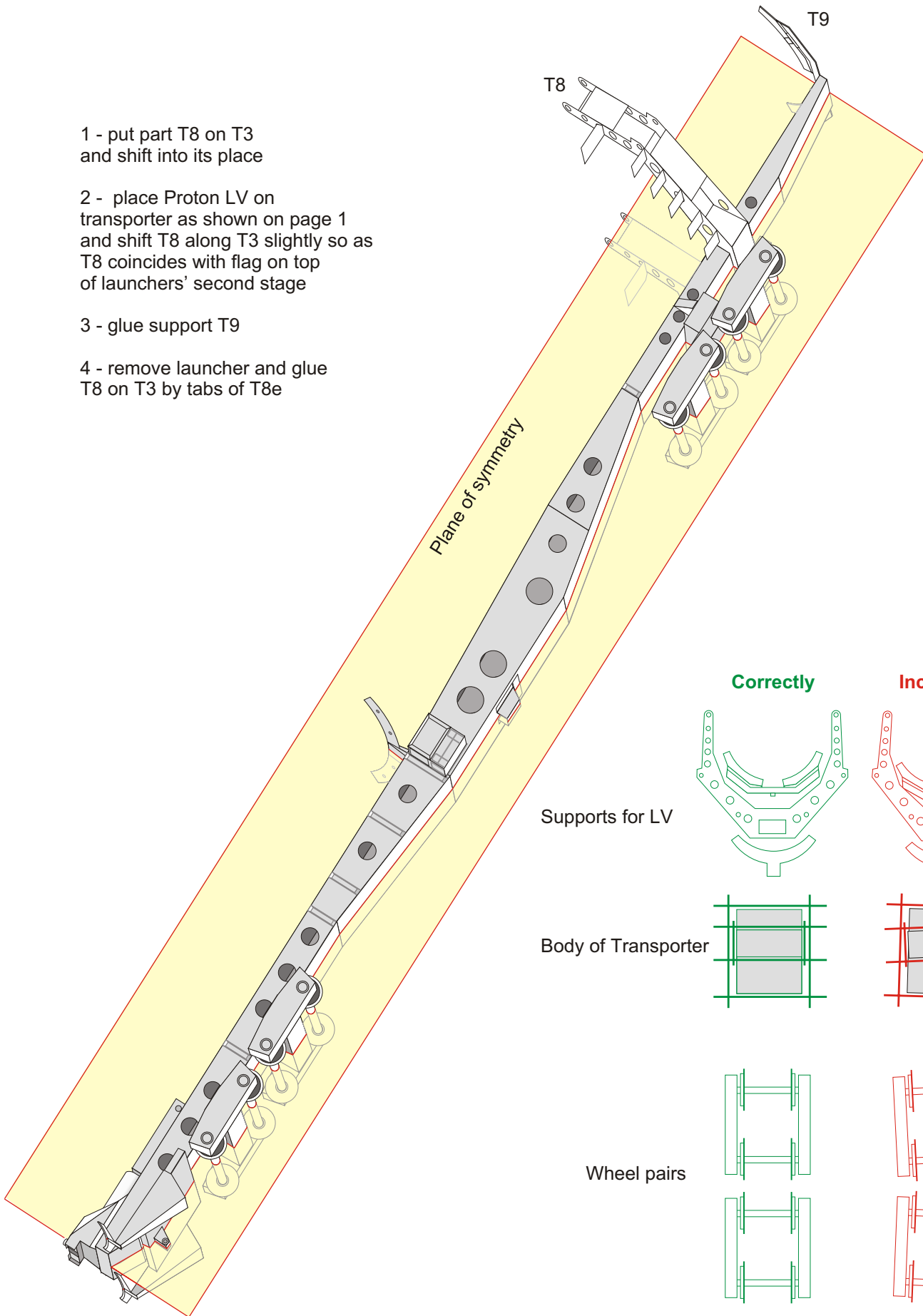


1 - put part T8 on T3  
and shift into its place

2 - place Proton LV on  
transporter as shown on page 1  
and shift T8 along T3 slightly so as  
T8 coincides with flag on top  
of launchers' second stage

3 - glue support T9

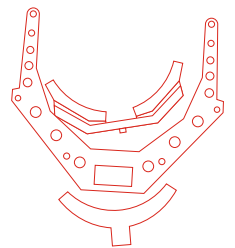
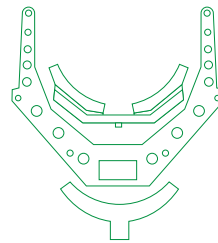
4 - remove launcher and glue  
T8 on T3 by tabs of T8e



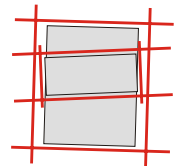
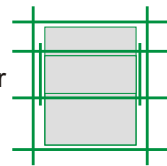
Correctly

Incorrectly

Supports for LV



Body of Transporter



Wheel pairs

