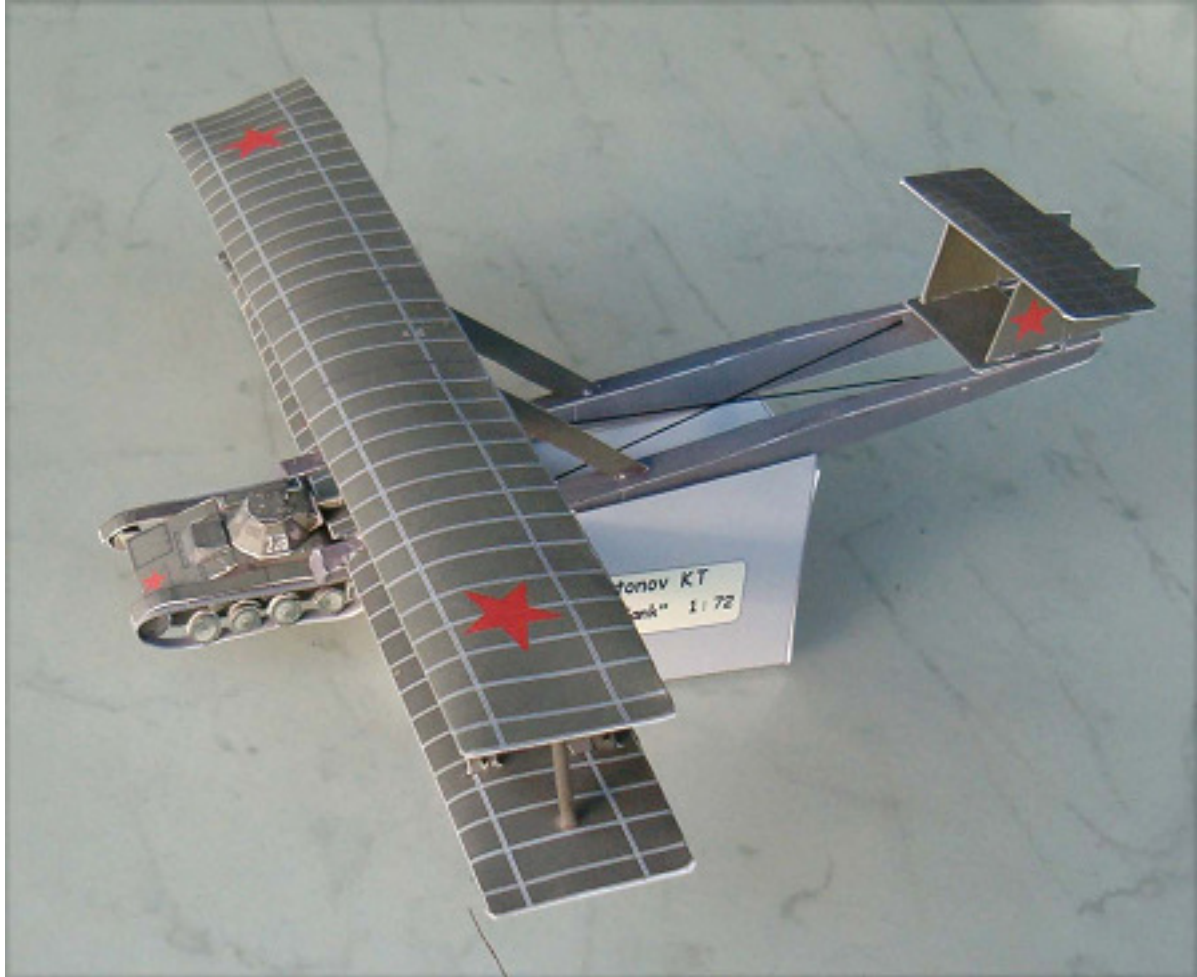


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Antonov KT or A 40 "The Flying Tank" 1:72



The Antonov A-40 Krylya Tanka (Russian: "tank wings") was a Soviet attempt to allow a tank to glide into a battlefield after being towed aloft by an airplane, to support airborne forces or partisans. A prototype was built and tested in 1942, but was found to be unworkable. This vehicle is sometimes called the A-40T or KT [Wikipedia].

Specifications

Designer's model of the Antonov A-40
Role Glider
Manufacturer Antonov
Designed by Oleg Antonov
First flight 1942
Status Cancelled
Primary user Soviet Air Force
Number built 1
Developed from T-60 tank

General characteristics

- **Crew:** Two
- **Capacity:** 1 × T-60 tank
- **Length:** 12.06 m (39 ft 6¾ in)
- **Wingspan:** 18.00 m (59 ft 0¾ in)
- **Wing area:** 85.8 m² (923.5 ft²)
- **Empty weight:** 2,004 kg (4,418 lb)
- **Gross weight:** 7,804 kg (17,205 lb)

The Tank T-60 depicted here is an adapted design of the two excellent designs Kampfflieger/Papercraft and Model Kartonowy. It is fitted on a stand, as otherwise the tank would have to contain at least 45g of ballast for the model to be correctly balanced.

Building Instructions

Print all sheets on between 160 and 230g card, except Instructions and Sheet 5 which should be printed on 80 - 90g Paper.

Always carefully fit parts together before gluing, and make minor adjustments if necessary.

Bright Green areas must be cut out, BUT only after gluing any folds. The Instructions will tell you when!

Although the model is relatively small, danger of warping of the wings and especially the 2 booms is omnipresent.

Tank T-60

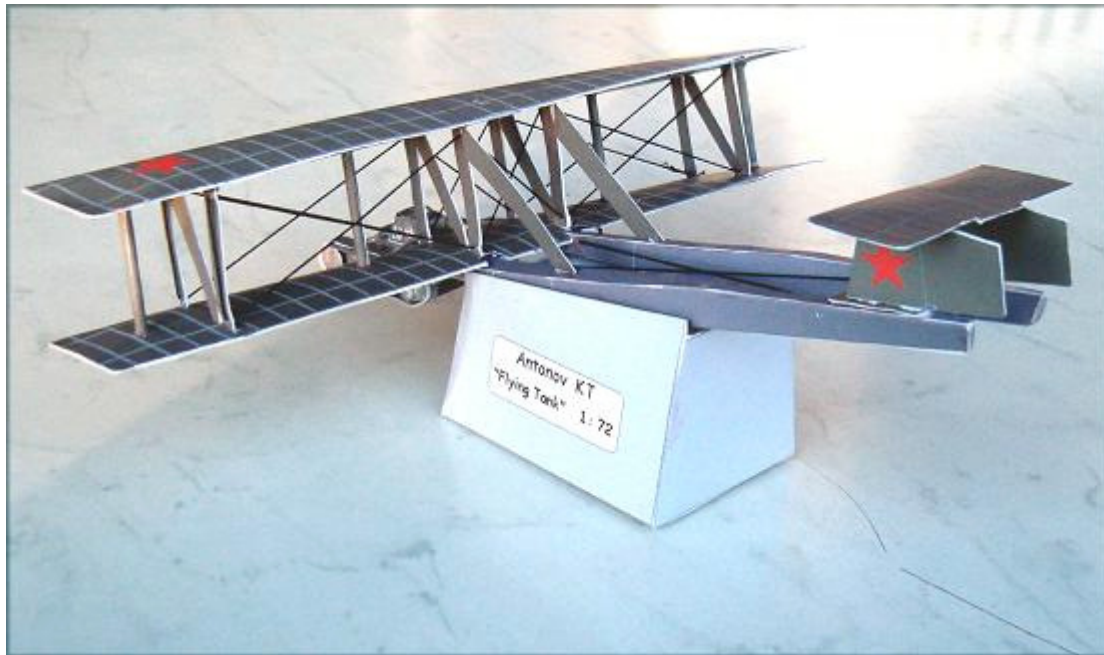
1. Assemble. Just before closing the last flap and gluing, a mass of at least 45g can be inserted (lead shot, ball bearings) for reasons of balance.

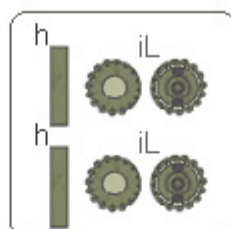
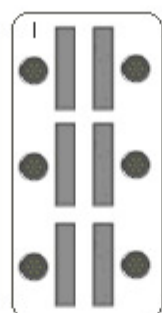
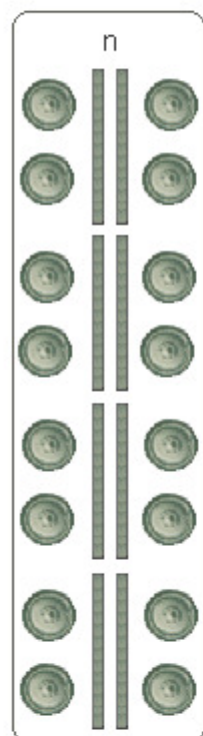
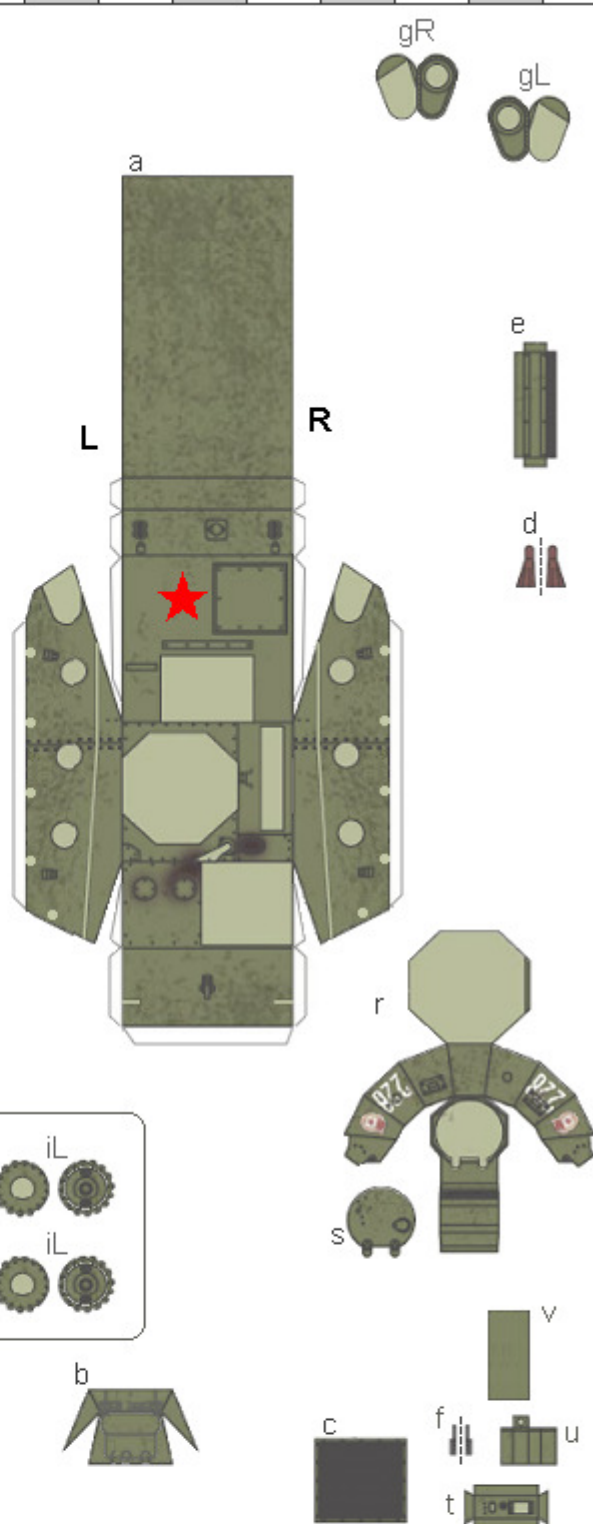
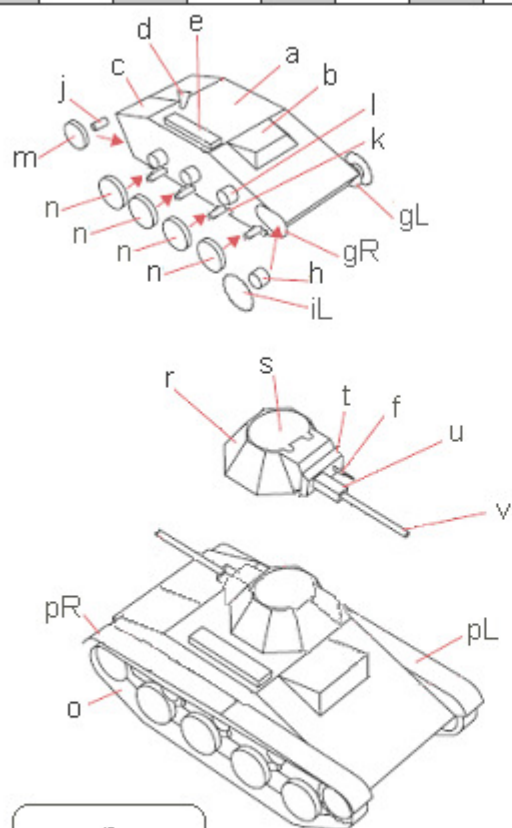
Wings

2. Cut out both wings **1** and **2**, fold, bend tabs, and upper and lower portions, and cut out light-green areas, marking positions of the vertical struts.
3. Cut out all struts **3** to **6**, and strengthen them by gluing on waste card. Again, cut out and glue on waste card, giving 3x thickness.
4. Cut out each of the 4 parts **3**, fold in the middle, and sandwich/glue a piece of waste card to make 3x thickness. Pierce the 2 holes on each part - later for the cables.
5. Insert each of the four struts **3** through the positions marked in the upper face of the lower wing **2**, and glue in position, then close the wing by gluing the 2 long tabs.
6. Cut out the four vertical struts **4**, doll/glue each around a tooth-pick and insert/glue in the four holes marked on the lower wing **2**.
7. Cut out wing **1** and fold leading edge and tabs. Cut out the green areas, then insert all the vertical struts from wing **2** through the markings on wing **1**. Glue on the wing struts **6** into the relevant positions.
8. With a bead of glue around each of the struts **6**, glue in place on the inside upper surface of wing **1**. Glue all struts **5** in position.
9. Close/glue wing.
10. Close/glue the ends of each of the two wings.
11. Glue the inclined struts **5** in place.
12. Cut out the red area under the lower wing on 3 sides only (2 long and 1 short side), lift back the flap and cut the visible struts as flat as possible, then pull the flap over the void, and glue in position. Cut off overlap. This gives the recesses for the 2 booms.
13. Rigging: Insert the cotton thread (I use cotton-coated rubber to give elasticity and to eliminate sag) as per diagram.

Booms

14. Cut out, assemble and glue the two booms **7**.
15. Cut out, assemble and glue the Tailplane, consisting of the Fins **8**, upper wing **9**, lower wing **10**. All green areas and slits should be cut out.
16. Glue in place on the booms.
17. Add inclined strut **11**, which joins the boom to the Main upper wing **1**.



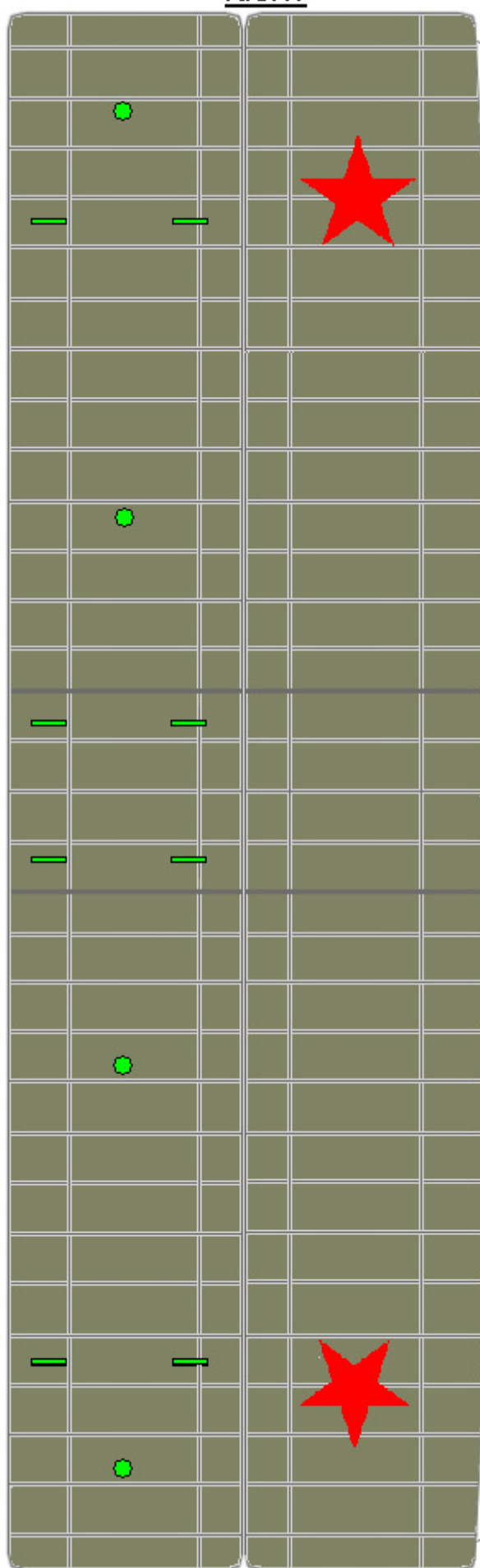


NOTE: For the whole plane to be in correct balance, a weight of mass 45g must be inserted and glued inside the front of the tank, as far forward as possible. The tank can be filled with lead shot, or ball bearings, just before closing/gluing the last flap.

The other solution is to fit a small vertical stand to support the rear wing, or simply, to use the printed stand.

RIGHT

1



3 x thickness

6



6



6



6



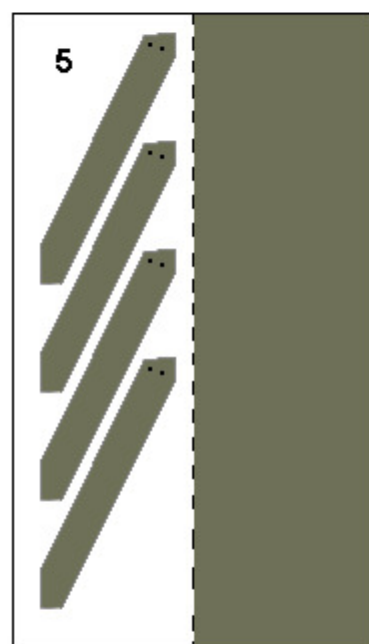
Top

Bottom

LEFT



**UPPER
WING**



5

Fold, insert waste card, and glue, to make 3x thickness. Cut out the 4 inclined struts.

Sheet 2

AntKT

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2

RIGHT

**LOWER
WING**

4



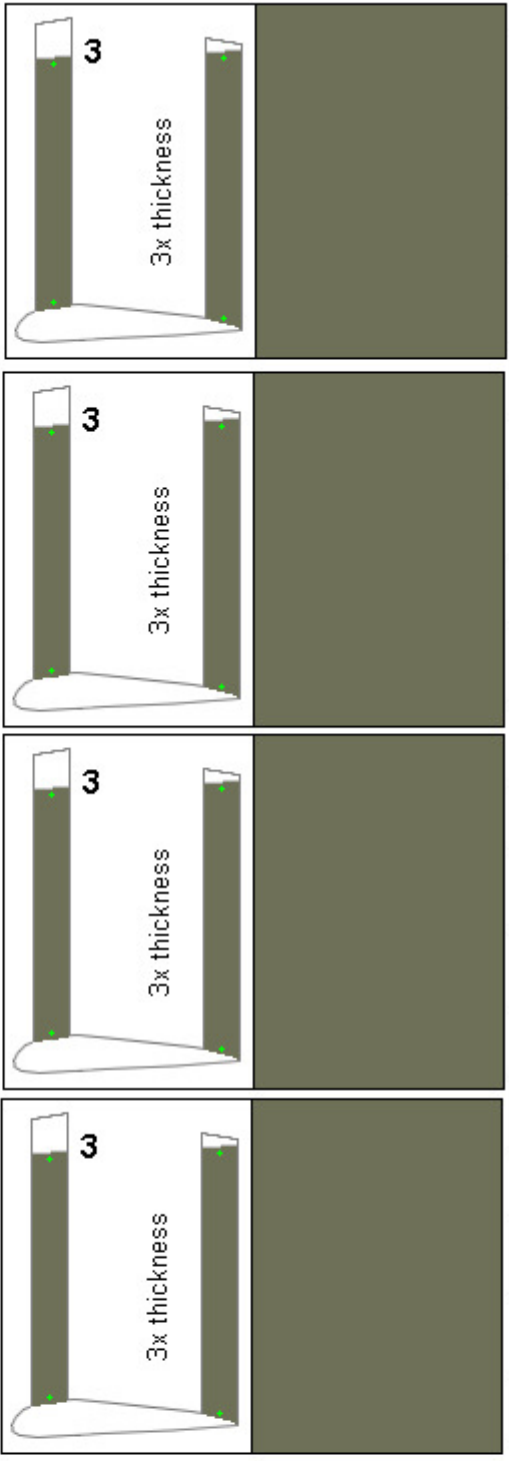
Bottom

Sheet 3

AntKT

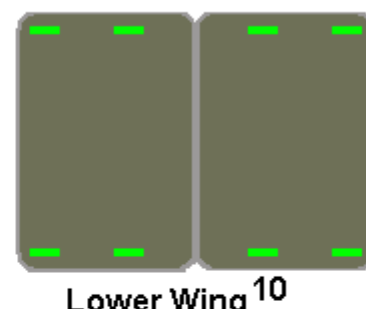
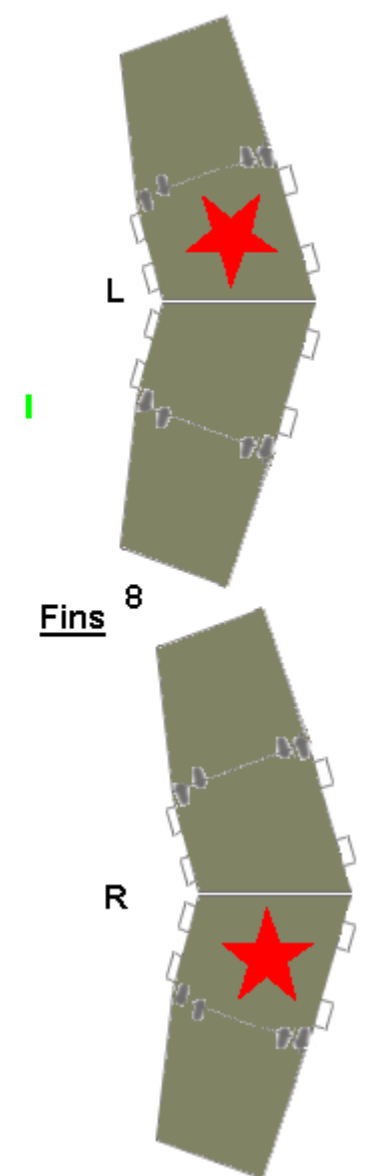
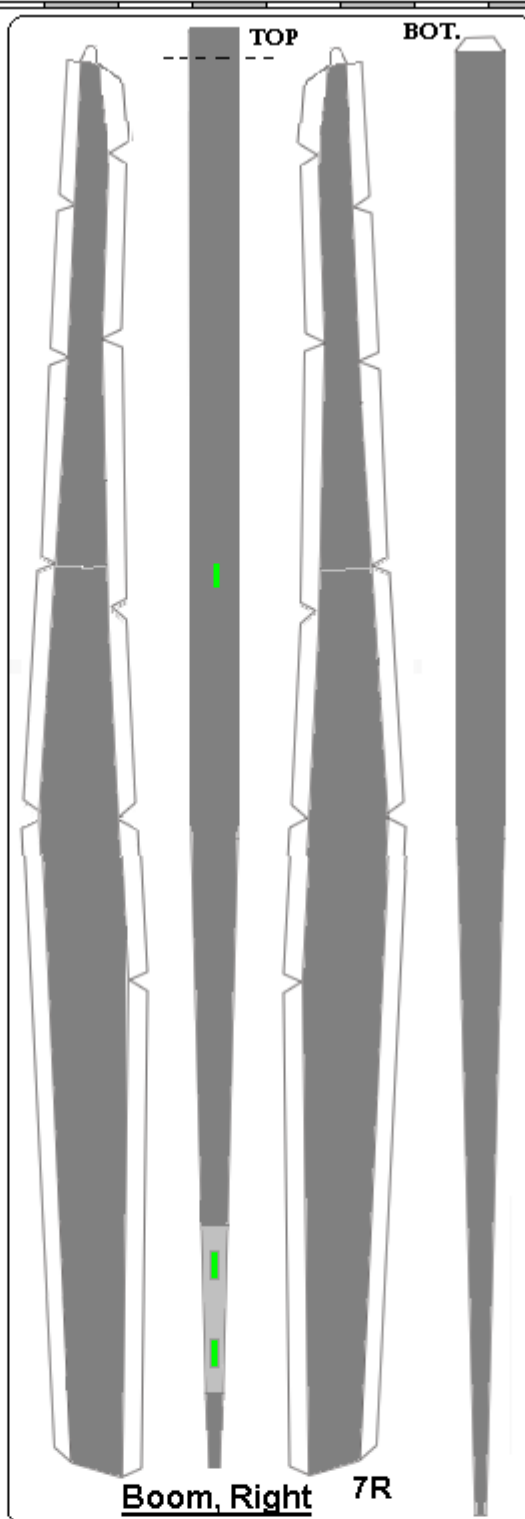
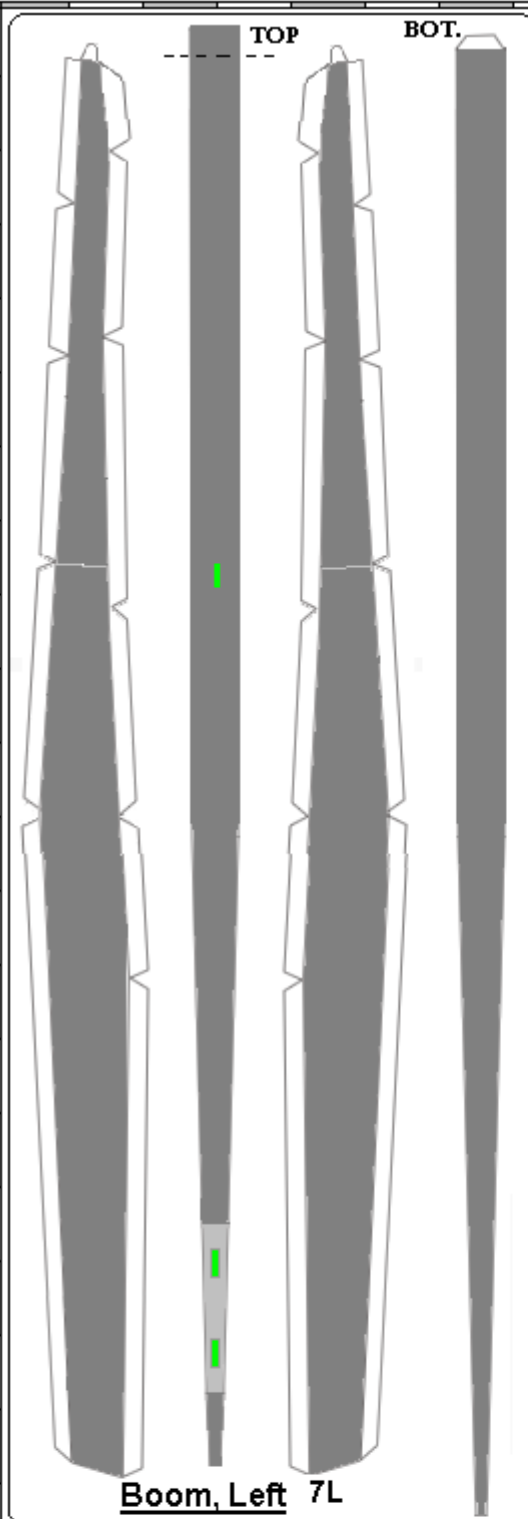
LEFT

Top

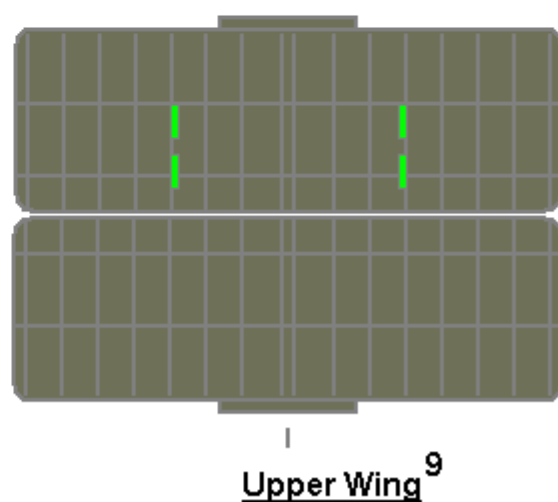


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Inclined Struts¹¹

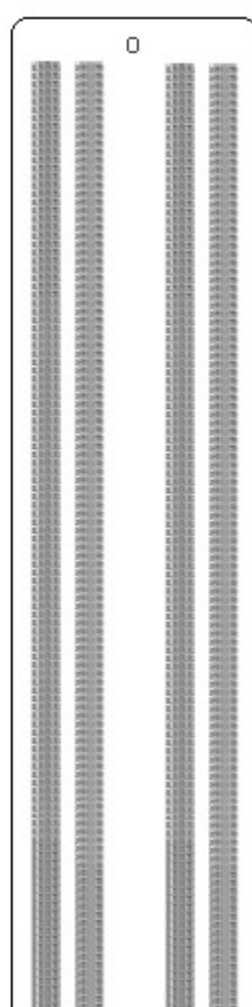
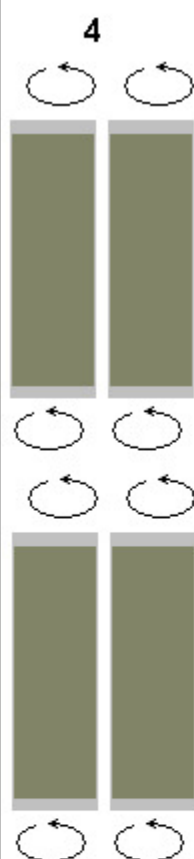
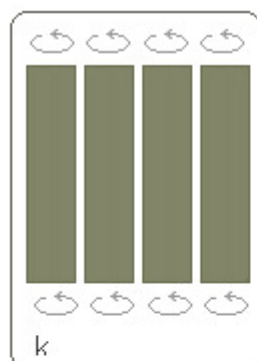


Sheet 4

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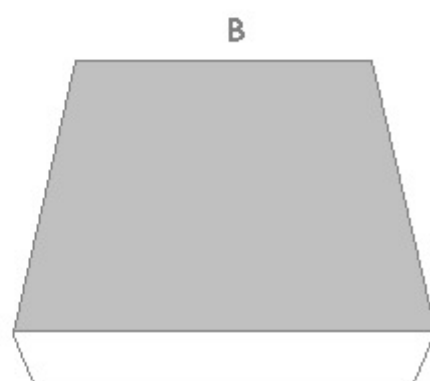
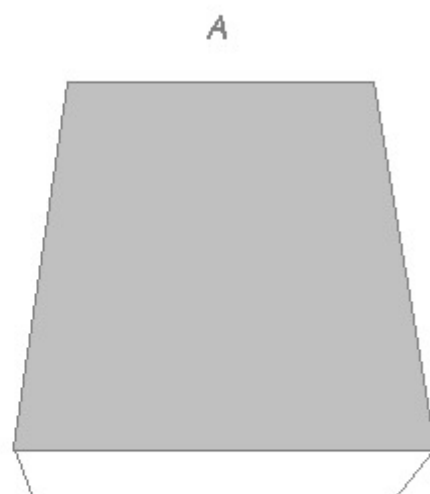
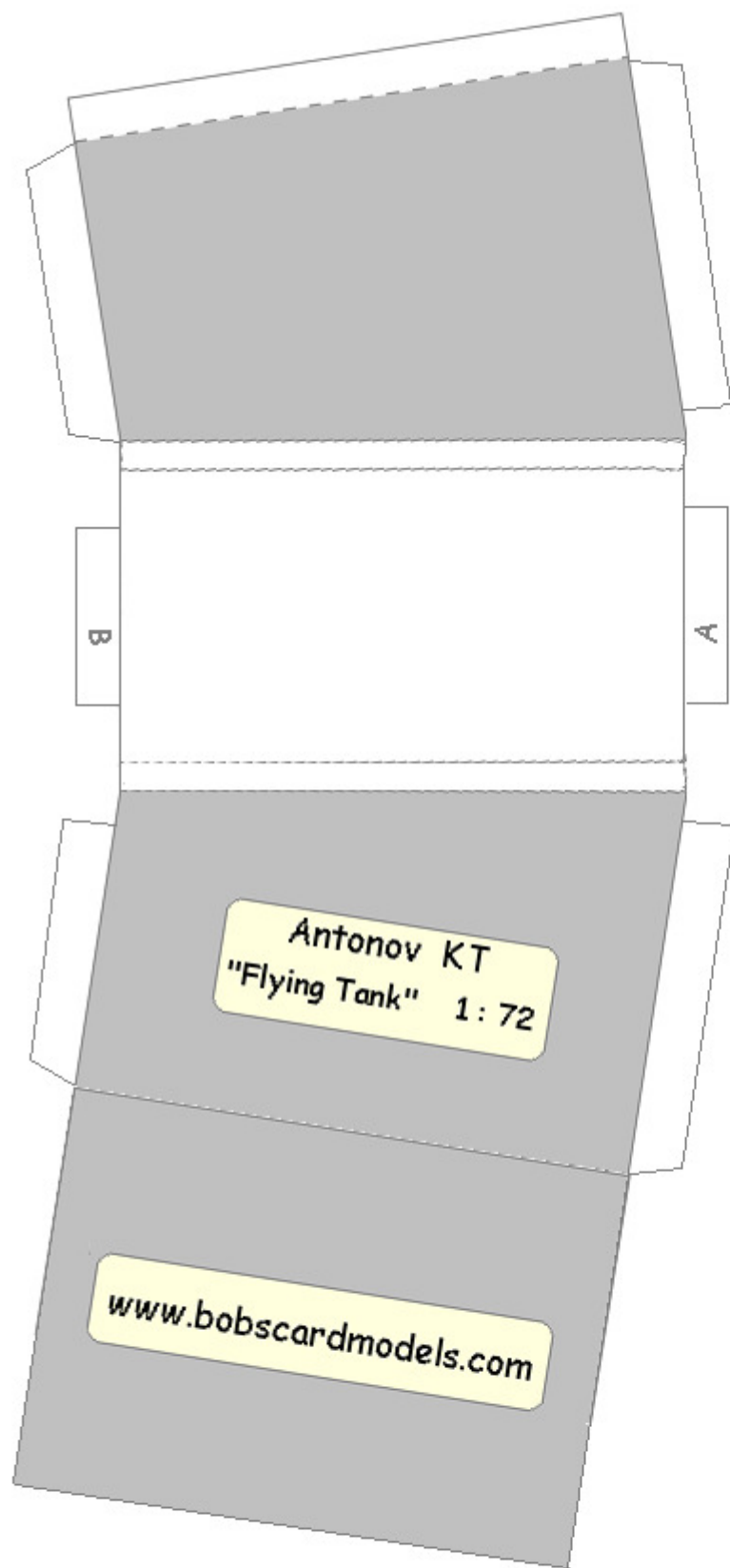
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Tracks

Roll/glue 1 strip around the wheels, white side outwards, then the 2nd strip with printed side outwards.

Print on Paper



Sheet 6

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