

Scratchbuilt Infantry Fighting Vehicle

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SCRATCHBUILT INFANTRY FIGHTING VEHICLE



This document describes how to construct the basic hull and turret of a 25/28mm scale infantry fighting vehicle or armoured personnel carrier. This has been left deliberately incomplete. Details should be added according to your own tastes.

Materials:

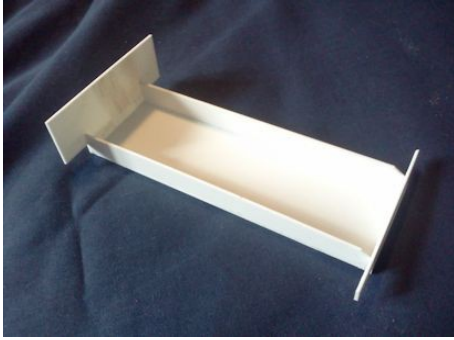
- 1 sheet of 1mm thick plasticard, approximately A4 sized.
- 1 short length of wire about 1mm diameter.

Tools:

- Compasses.
- Pencil.
- Ruler.
- Knife.
- Sandpaper/files.

<http://thehazugfiles.uk/Index.html>

The Hull



The two track supports are first glued to the floor. Then the hull rear is glued to these at the taller end of the supports and the hull front to the vertical elements of the other end.



Next glue one of the to hull sides to the ends of the front and rear pieces. The roof and front slope can then be glued to the inside of this before the second hull side is glued in place. A 1mm hole is drilled at the marked location on the roof to take the turret (IFV only).

Tracks



To one side of each outside plate glue a track base, two slopes and vertical end pieces. These can then be glued to the inside plates. Make sure to get two assemblies that are a mirror image of one another.



The single long bottom links piece is glued to the base of each assembly with the exposed links overhanging the outside plate and the long straight edge level with the inside plate. Individual links are then glued to the slopes (3 each) and vertical end plates (2 each). These are aligned the same way as the bottom links. Seven wheels are glued to each assembly.



The track assemblies are then inserted into the hull.

Turret (Not needed for APC)



1mm holes are drilled into the centre of the turret ring and also the marked point of the turret floor.

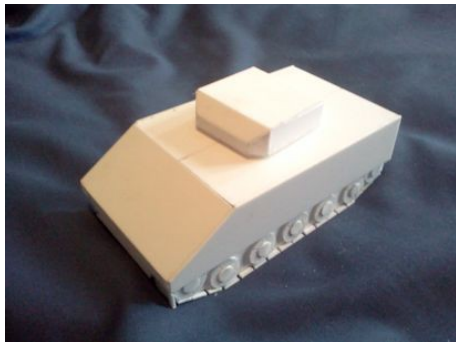
Glue the ring under the turret floor so that the two holes line up and glue a short length of wire through this hole.

The turret rear is glued vertically along the 35mm edge of the turret floor and the sides along each side of the turret floor so that they meet the rear.

The turret roof is glued so that it aligns with both sides and the rear of the turret.

The front and front sides are then glued in place. The front sides must be sanded or filed to be mirror images

of one another. The turret front top can then be glued in place to complete the basic turret.



The turret can now be attached to the hull by inserting the wire into the matching hole in the hull. At this stage the basic tank is complete and you should add whatever detail you want.

Note that in the above image I have already detailed the wheels. This is easier to do before they are attached.

The painted example on the first page uses:

Cotton bud and drinking straw main gun

Cotton bud coaxial gun and smoke dischargers.

Periscope made from drinking straw, cotton bud and 6mm BB pellet.

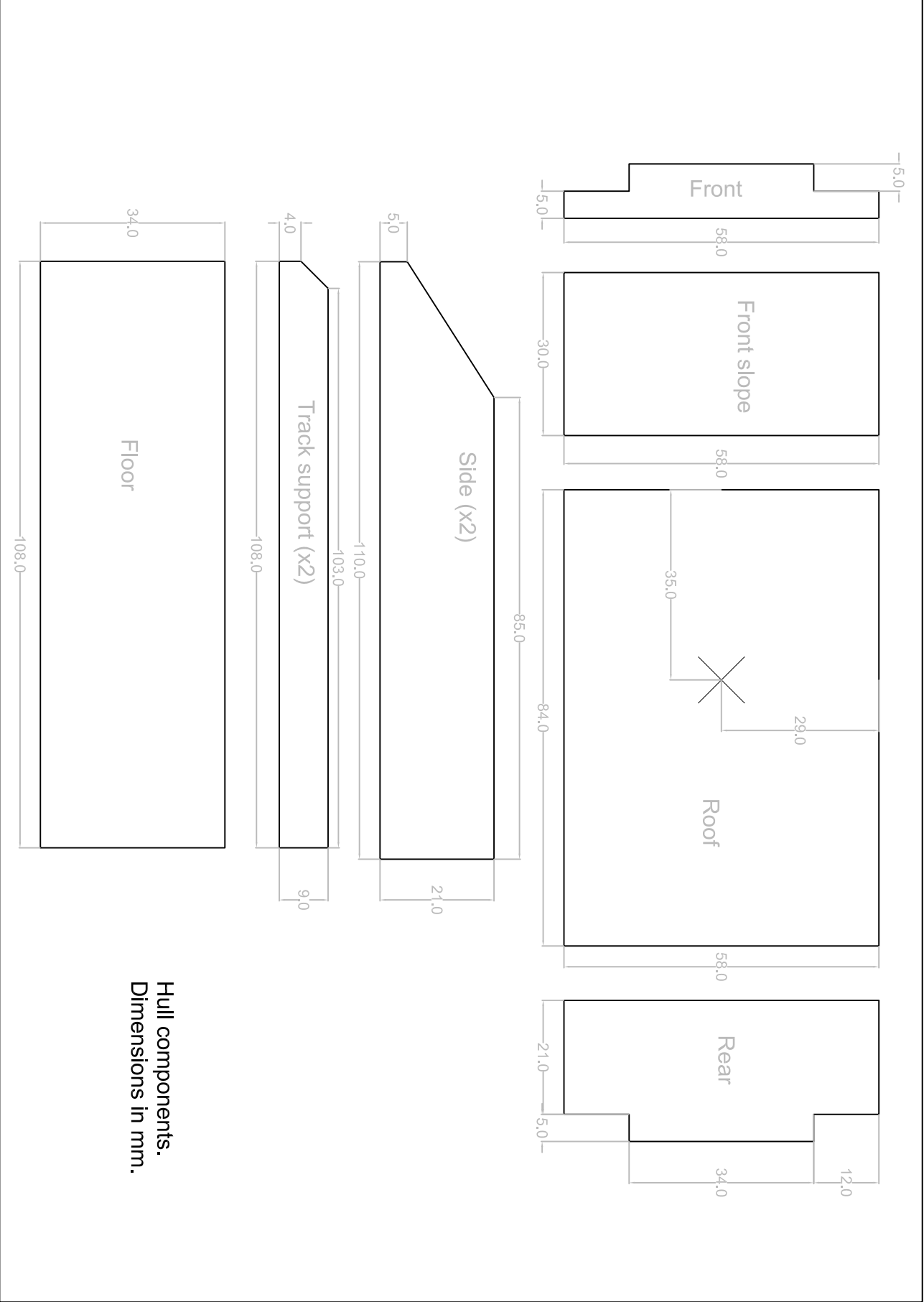
Drinking straw headlights.

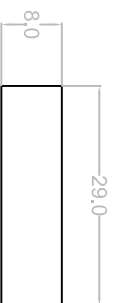
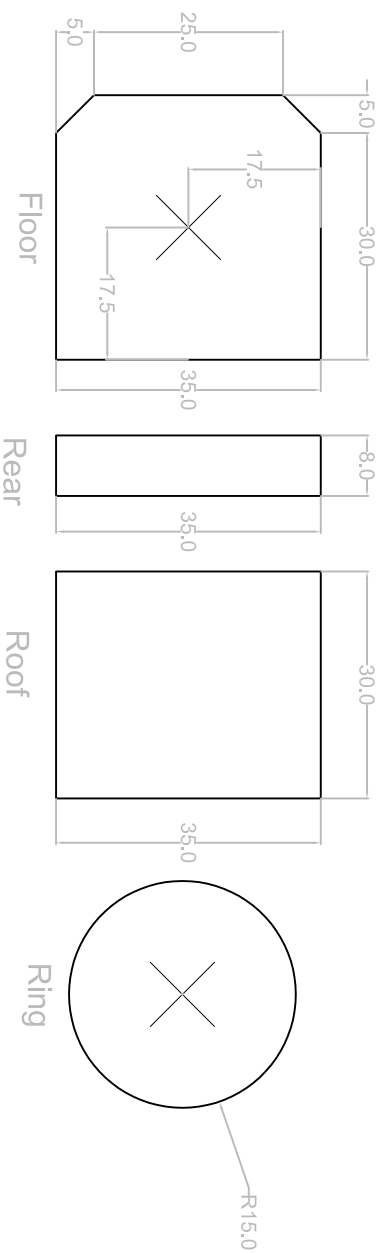
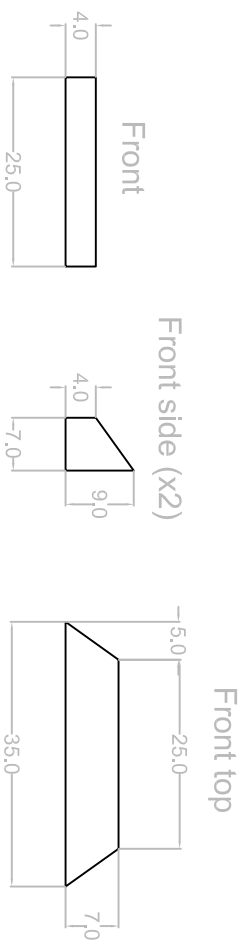
Aluminium mesh engine cover.

Hatches and panels from 0.5mm, 1mm and 2mm thick plasticard.

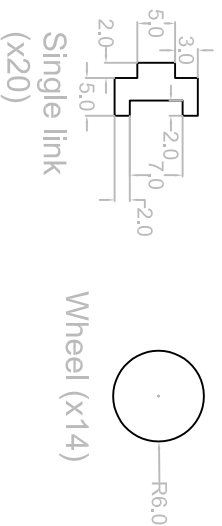
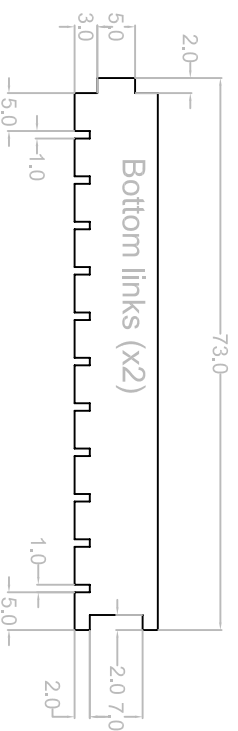
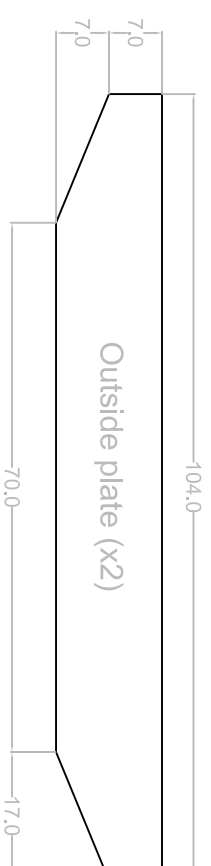
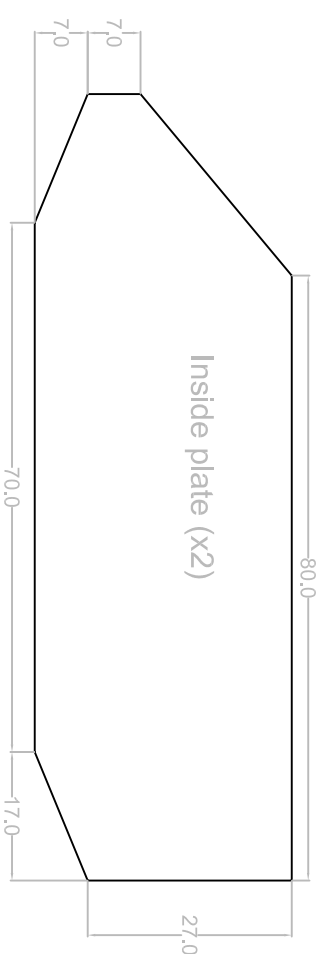
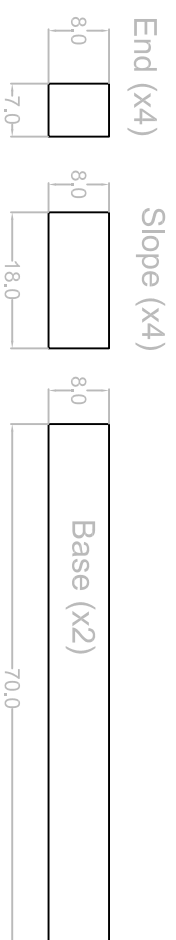
Pintle mounted gun from EM4 miniatures.

Wire antenna.





Turret components.
Dimensions in mm.



Track components.
Dimensions in mm.