



The Sidewinder Wheeled Armoured Personnel Carrier.



The sidewinder APC is a simple wheeled vehicle I scratch built. This document will provide you with the information to duplicate it for yourself.

This document is divided up into the following sections:

Materials – What is required to make the model.

Assembly – A guide to putting the pieces together. There are both written instructions and diagrams.

Templates – Dimensioned templates of the plasticard components.

Materials.

Most of the model is constructed using 1mm (0.040") thick plasticard, though some small parts are made from 0.5mm (0.020") and 2mm (0.080") thick plasticard. Unless otherwise stated, assume that parts are 1mm thick.

The following parts from Games Workshop kits were also used:

- 3 x 25mm slottabases.
- Aquila from imperial guard tank accessory sprue.
- 6 x lasguns (I used the lasguns on the imperial guard tank accessory sprue, though any will do).
- 4 x handholds from imperial guard chimera kit.
- Multilaser and battery pack from imperial guard sentinel kit or autocannon from the same kit.
- Hatch rim and cover plate from space marine tank accessory sprue.
- Tow loop from space marine tank accessory sprue.
- Pintle mount and hunter-killer missile targeter from space marine tank accessory sprue.

Sidewinder Wheeled APC Instructions.

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

- Leman Russ battle tank top hatch (this part is no longer available new from Games Workshop, but any vehicle hatch should do).
- Plastic heavy bolter.

Finally six plastic bottle caps were used for the wheels.

Assembly.

Some of the parts may require sanding to fit properly. This is indicated on the templates included here by a shaded region where sanding is required.

Upper Hull.

The four sloping side panels (2-5) are glued to the roof (1). These should extend outwards at a 45-degree angle.

The front turret mounting components (6, 7a & 7b) are then glued in the hole at the corner of the roof and sloping sides.

The narrow sides (9 & 10) are glued on top of the base (8) to form a rim around the edge.

The two halves of the upper hull are now glued together.

Lower Hull.

The rear plate (12) is glued onto the back of the floor (11).

The front and sides (13a, 13b & 14) are then glued to the floor. The sides fit between the front and rear plates.

The front wheel arch pieces (15-17) are glued just behind the front plate so that it is level with the outer edge of the front plate.

In the same way the rear wheel arch pieces (16, 18 & 33) are glued in front of the rear plate.

The upper and lower hull may now be glued together.

Drivers Vision Block.

The housing side plates (20) are glued to each end of the housing top (19). The vision block itself is then glued between these, recessed approximately 1mm.

The vision block is then glued to the front of the upper hull, in the centre of the sloping surface.

Headlights.

The headlights (22) are glued to the vertical strip at the front of the model, 10mm in from each side.

Side Las Gun Ports.

The side and top plates (24 & 26) are glued together at right angles, and then the side plates (25) are glued to each end of these.

The aiming blocks (23, made from 2mm thick plasticard) are glued on top of this. Place one in the centre and the others 2mm in from each end. These should be sanded and aligned so that they continue the slope of the side plates.

The gun mountings (27, made from 0.5mm thick plasticard) are then glued beneath the aiming blocks. Using a hole punch on the required thickness of plasticard can easily make these.

The entire gun port is now glued to the side of the upper hull. The bottom is placed along the corner between the vertical and sloping portions of the sides, while the rear is aligned with the rear corner of the roof.

Repeat this for the other side.

Rooftop and Rear Hatches.

The rooftop hatch frame (29 & 30) are formed into a hollow rectangle by gluing the end of each piece to the side of the adjoining piece.

This frame is then glued to the roof, 2mm in from the rear edge and central.

The hatch doors (28) are then glued inside the frame. Leave a slight gap between the frame and each hatch door.

The rear doors (31 & 32) are glued to the back of the hull so that they meet along the corner between the vertical and sloping sections. Leave a slight gap between them.

Weapons.

The front turret is made from 3 25mm slottabases. Glue two of them base to base to form the turret itself and the top of the third to one of these to form the turret mounting. Unless you have used a base without a slot for the top of the turret you will have to fill the slot or cover it. An aquila is glued to the top of the turret.

Cut the front from a heavy bolter and glue this to the turret. Filing the turret where this fits will make this easier.

The front turret is now glued in the cutout at the front of the hull.

The main gun turret is mounted in the hatch frame from a space marine tank accessory sprue. Fit the pintle mount to the cover plate and glue into the frame. To either side of the pintle mount are glued the hunter-killer targetter and selected weapon from the sentinel kit. The main gun is now glued to the roof just in front of the rooftop hatch and to one side.

The barrels are cut from 6 las guns and glued to the circular weapon ports along each side of the hull.

Wheels.

Plastic bottle tops are used for the wheels. The ones I selected had a detail interior. I cut out around this and turned the centrepieces around to form a hubcap within the tyre. Alternately cut a circular hole in the wheel and cover the inside with plasticard. Add detail as desired.

These are glued along each side using superglue.

Other Details.

Another hatch is glued to the vehicle roof. Align this with the main gun turret.

A tow loop is glued beside the rear hatch.

Handholds are glued to the rooftop and rear hatches.

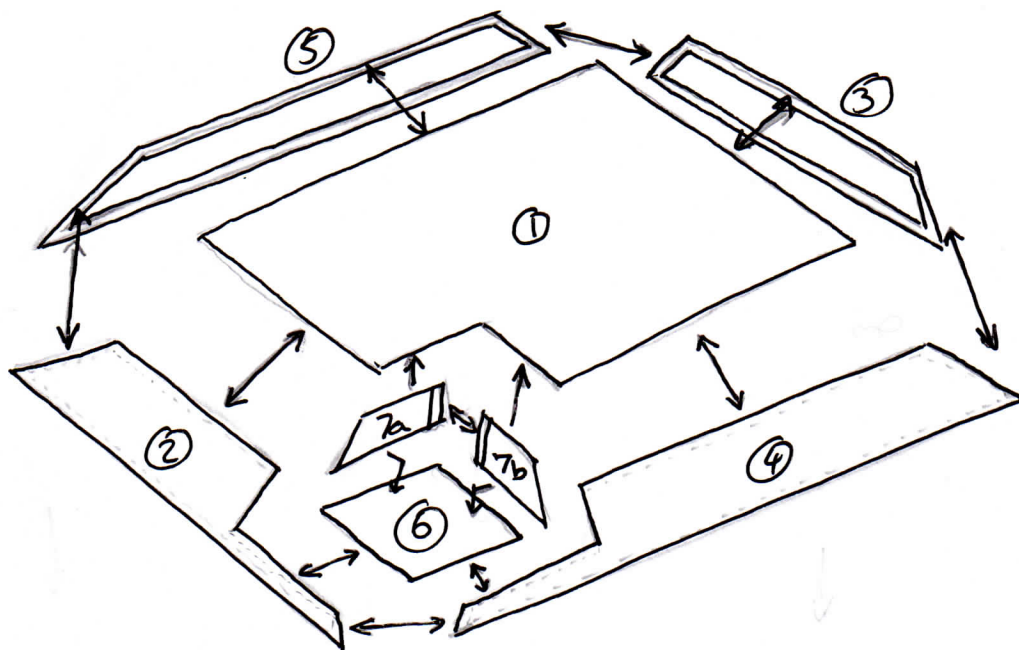
Gaming with the Sidewinder.

The sidewinder APC is designed to function as a chimera in an imperial guard or inquisition army.

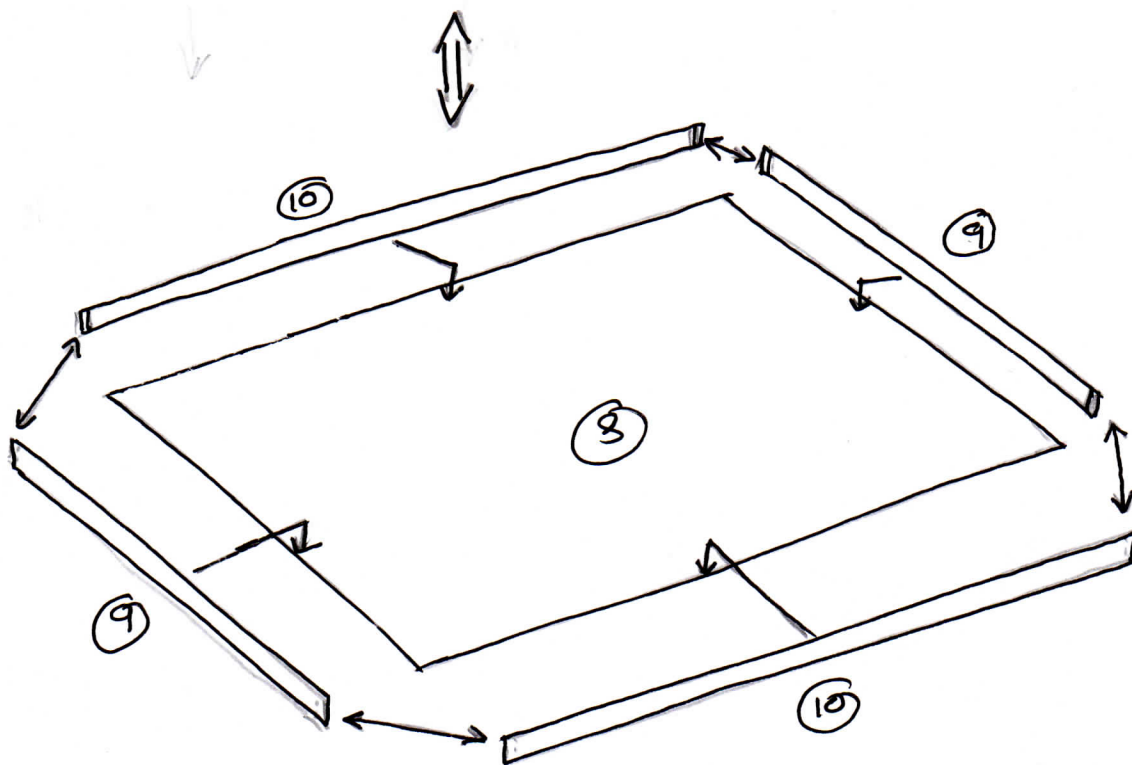
It can be further customised to count as other vehicle based on the chimera hull. For example I have added quad barrelled turrets to some to count as hydra flak tanks called the 'rattlesnake'.

UPPER HULL CONSTRUCTION:

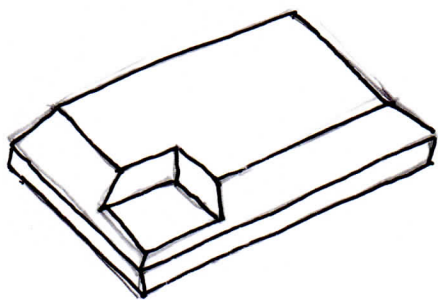
ROOF



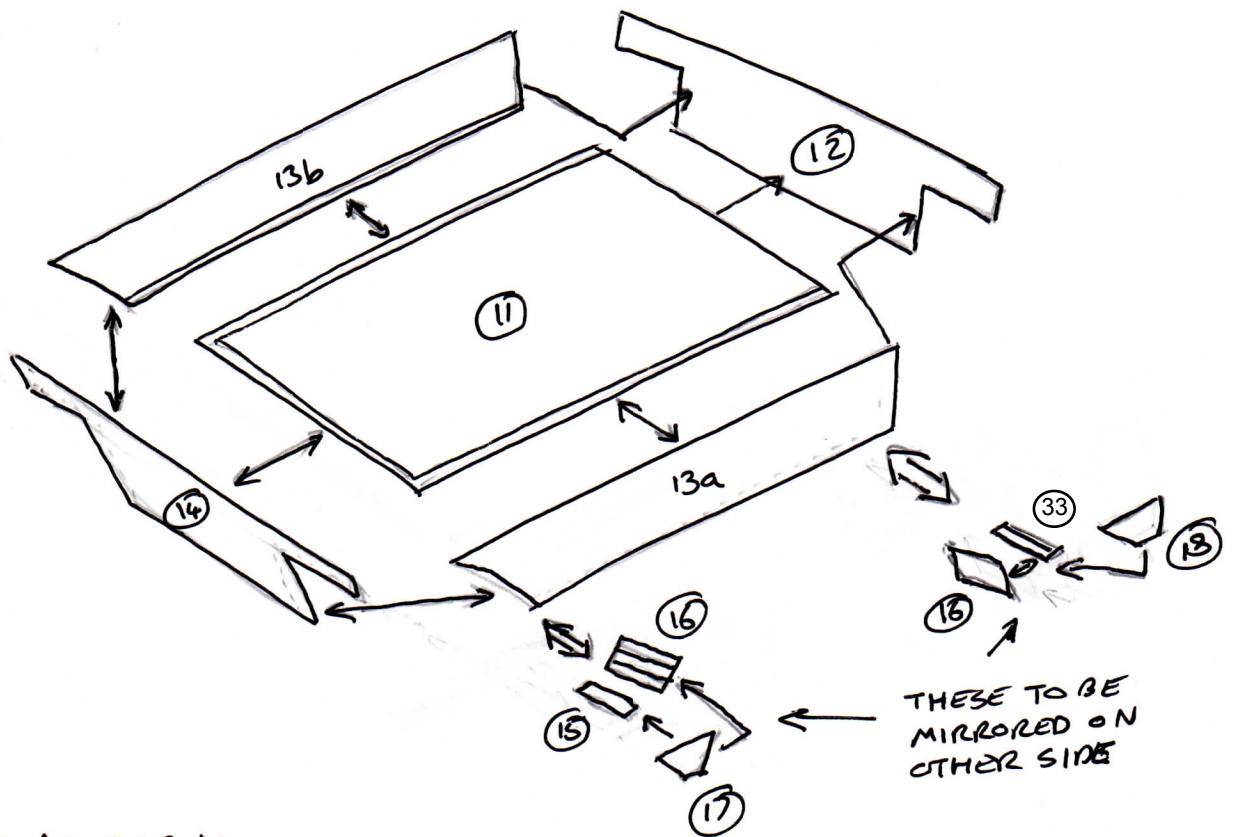
BASE



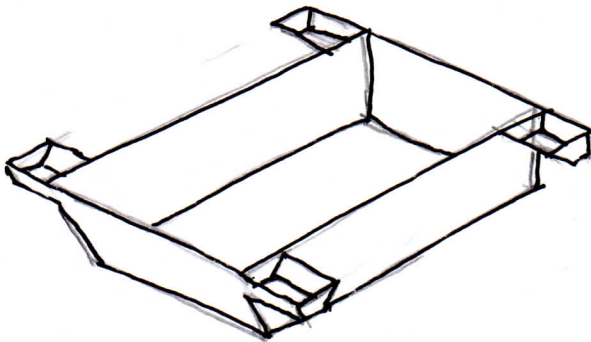
FINISHED ASSEMBLY:



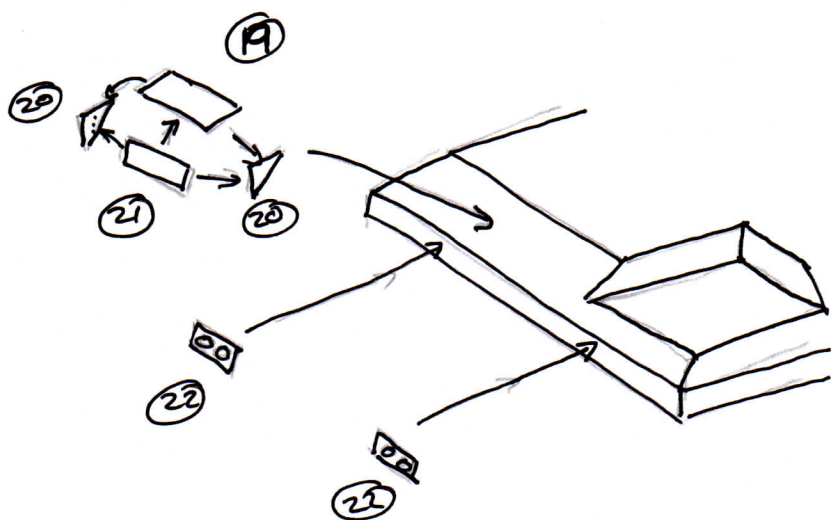
LOWER HULL CONSTRUCTION:



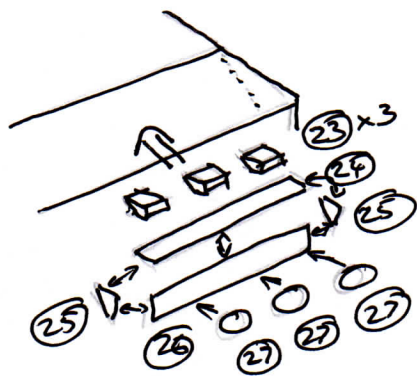
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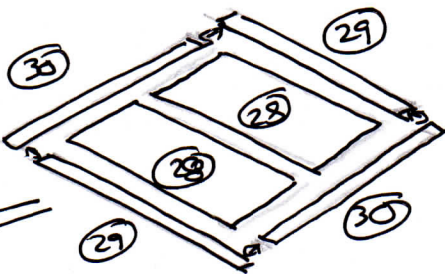
DETAILS:



HEADLIGHTS AND
DRIVER'S VISION
BLOCK



SIDE LAB GUN PORTS
Same Left + right sides



ROOF AND
REAR HATCHES

