



PART 4

VEHICLES



Vehicles add that extra finishing touch to your junkyard, by creating a distinct visual connection between the grounds, the props and the building.

Vehicles are fairly complex models though, with a lot of small parts and may prove challenging for novice builders.





All components should be scored, cut out and edged prior to assembly.

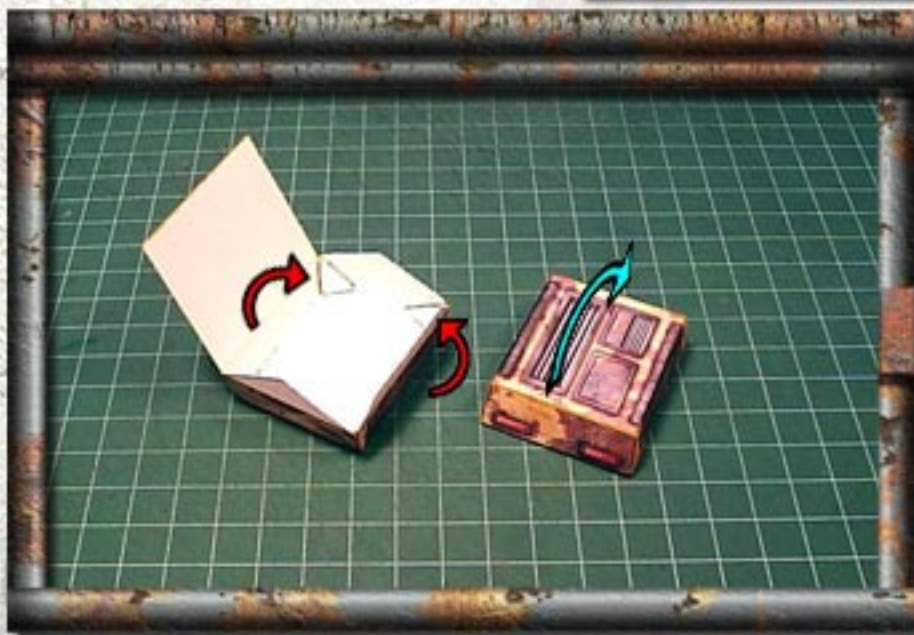
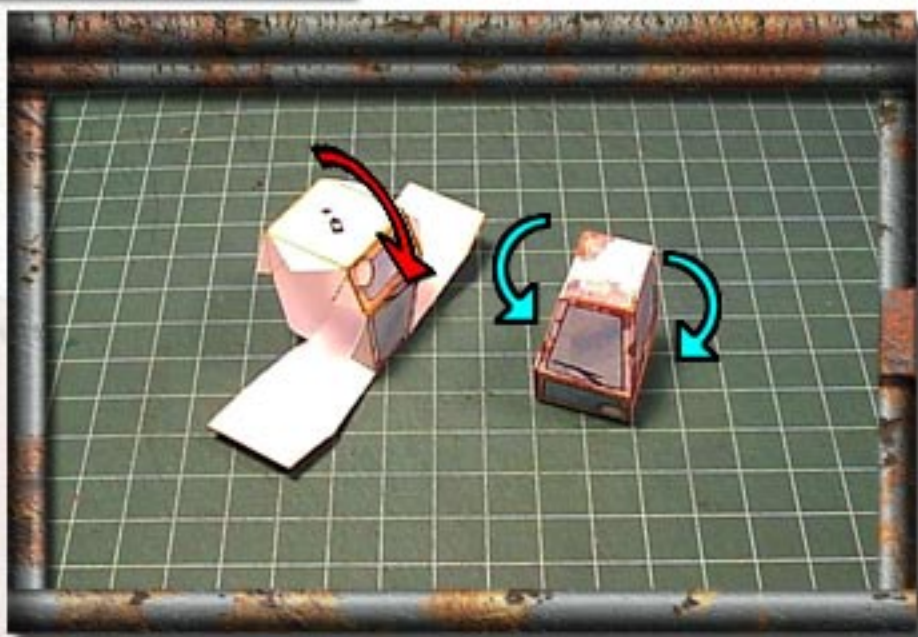
We'll start with the body of the crane, a simple box. Apply glue to the tab running along the far end of the box and match it to the other side.

When this is dry, apply glue to the tabs along the sides and fold the flaps up to close the shape.

The cab of the crane is assembled in much the same way as the body, it just has one more tab on each side.

Score, cut out and edge it, then assemble it as shown.

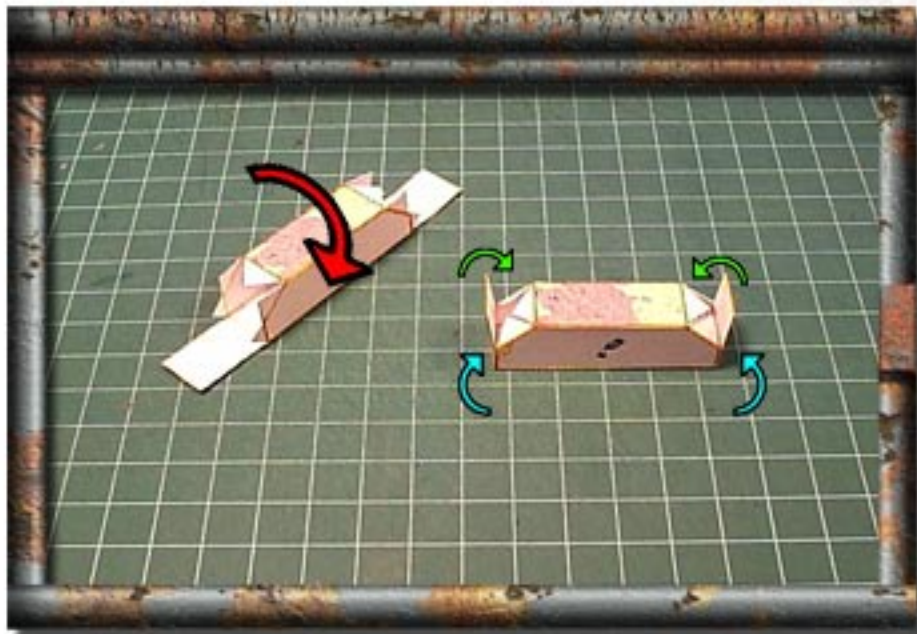
Learn all about edging and other top tips in the tutorials section at www.worldworksgames.com



For the engine block, glue each of the triangular tabs to the sides of the block first.

When these are dry, fold down and glue the underside into place as shown.



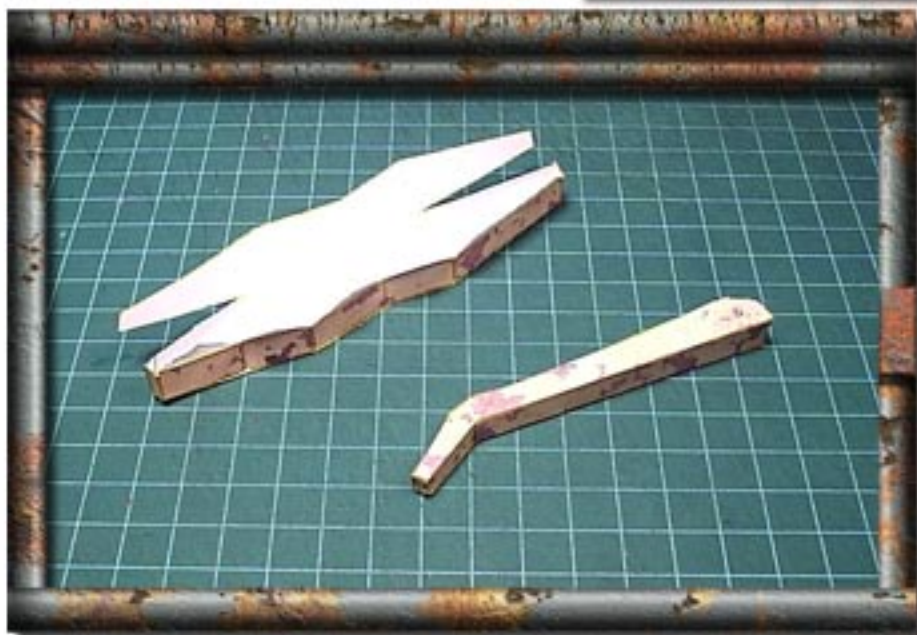
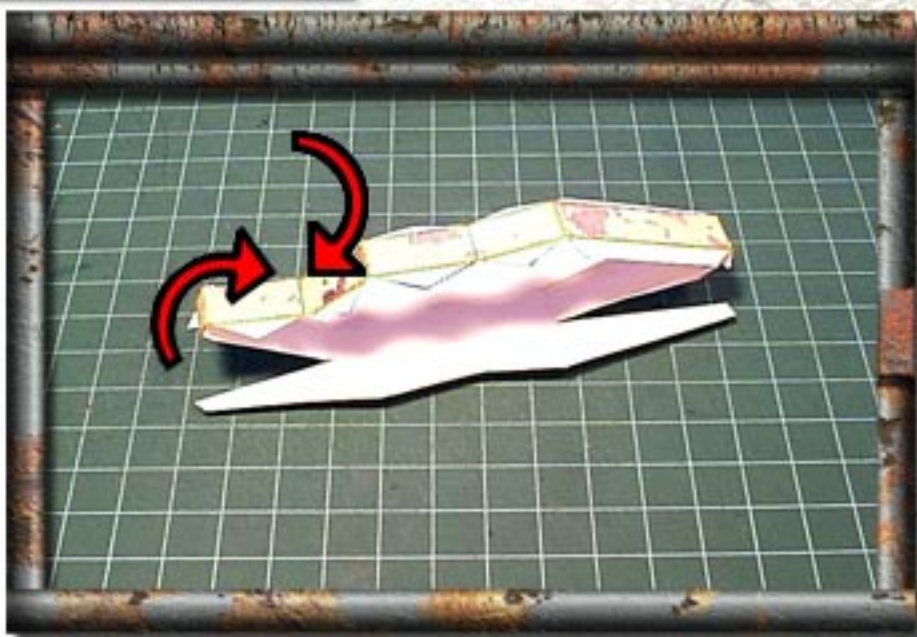


For the tread drive, close this shape as with the simple boxes before.

To complete the shape, glue and fold in the remaining two flaps as shown.

Next, the arms of the crane.

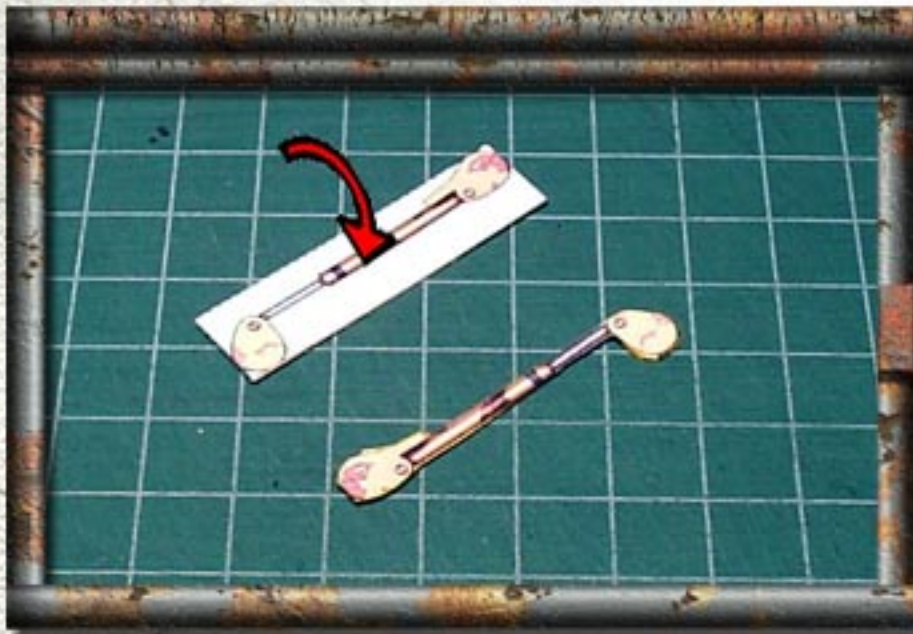
Begin by simply closing the loop of the shape by gluing the tab on the far end of the arm to the opposite side.



Now glue each of the interior tabs to one of the sides. Use a pair of tweezers or the back of a paintbrush to help align the tabs.

Do one side first and allow it to dry before attempting to close the shape.





The hydraulics that support the arms are simple fold-overs.

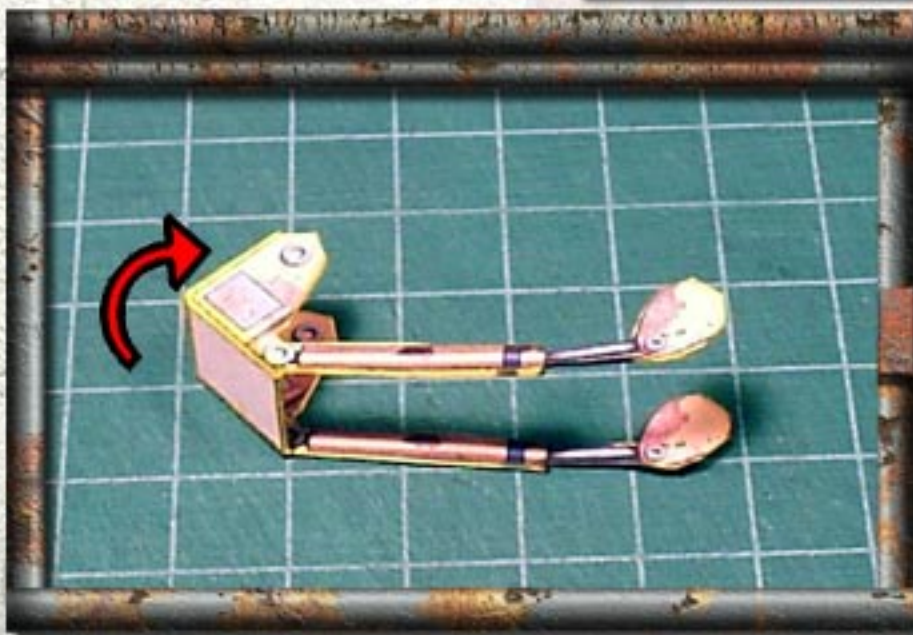
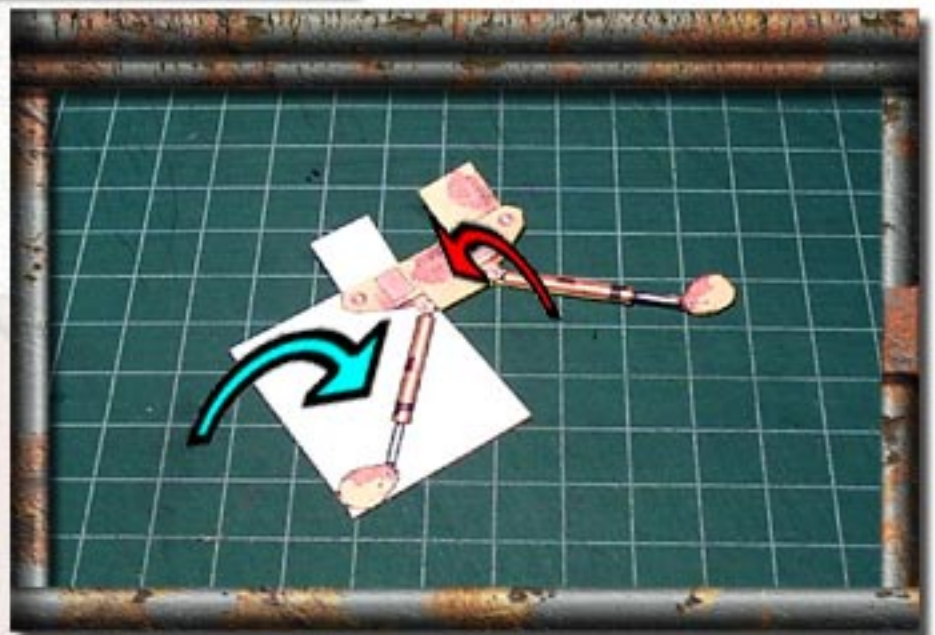
Apply glue to the interior, fold it over onto itself and burnish (rub firmly) across the surface to spread the glue evenly.

When dry, carefully trim off the excess carstock and re-edge as necessary.

The cradle for the arm starts out similarly.

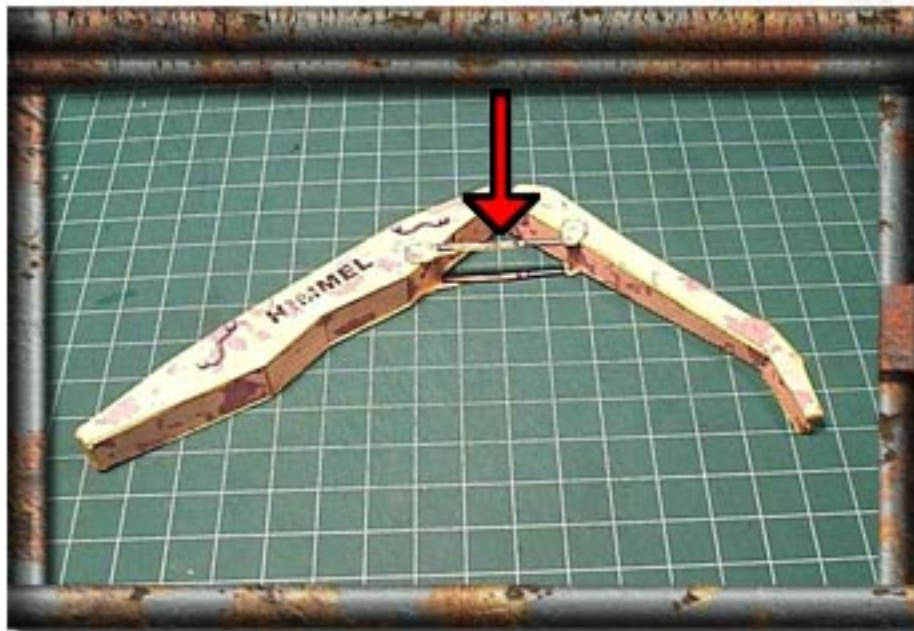
Fold over and glue the central section of the cradle and the supports on the sides.

Trim and edge the supports when dry.



Glue together the two back parts to complete the cradle.



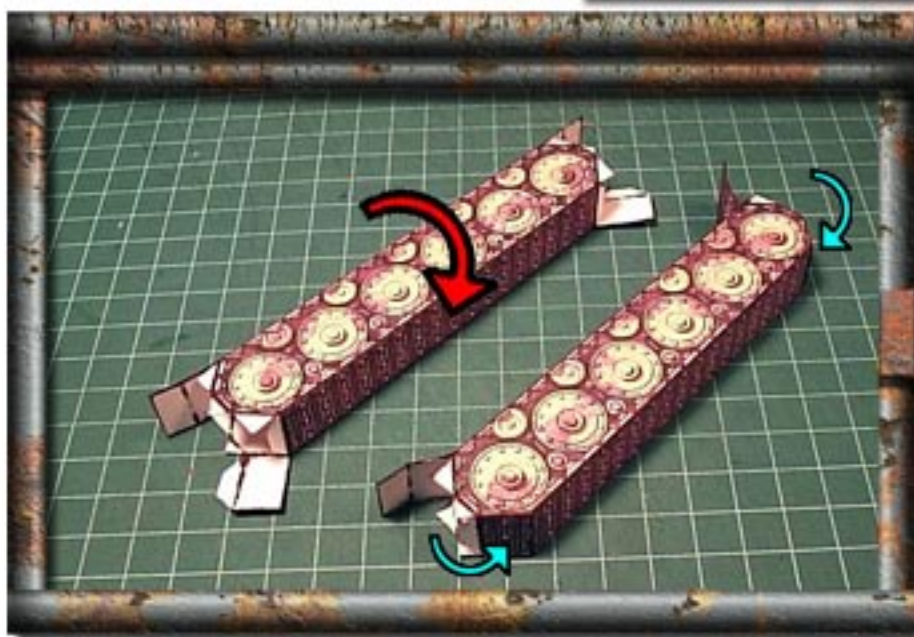
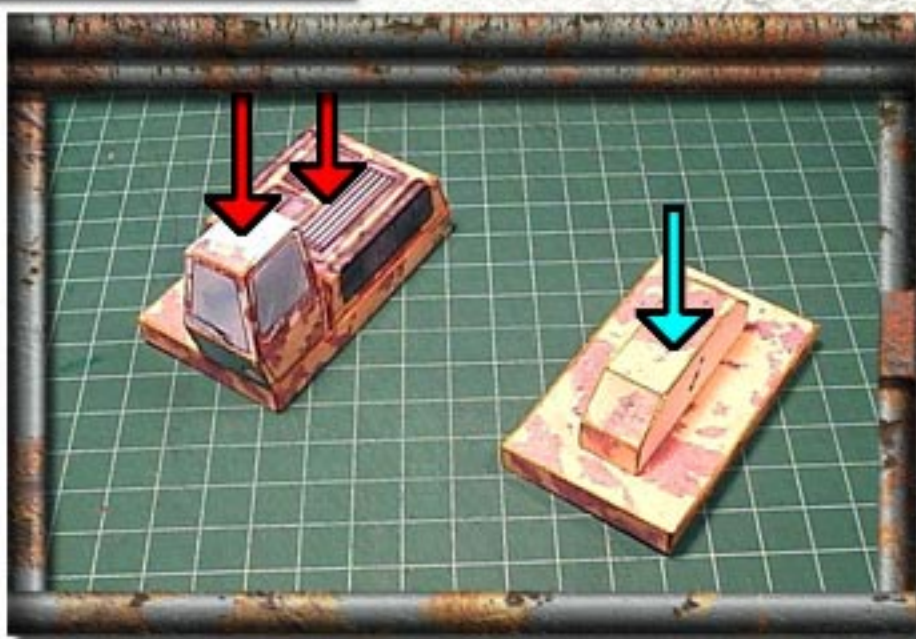


Position the completed arms at an angle of your choice, making sure the top portions touch to create the illusion of an internal joint.

Glue each of the completed hydraulics to one side of the arms at the top and bottom.

Glue the cab and engine block to the top side of the crane body.

Glue the tread drive to the underside.



The treads themselves are modified boxes. Glue along the main tab as before.

Glue each of the angled flaps into place next as shown.

Close the shape to complete the treads.





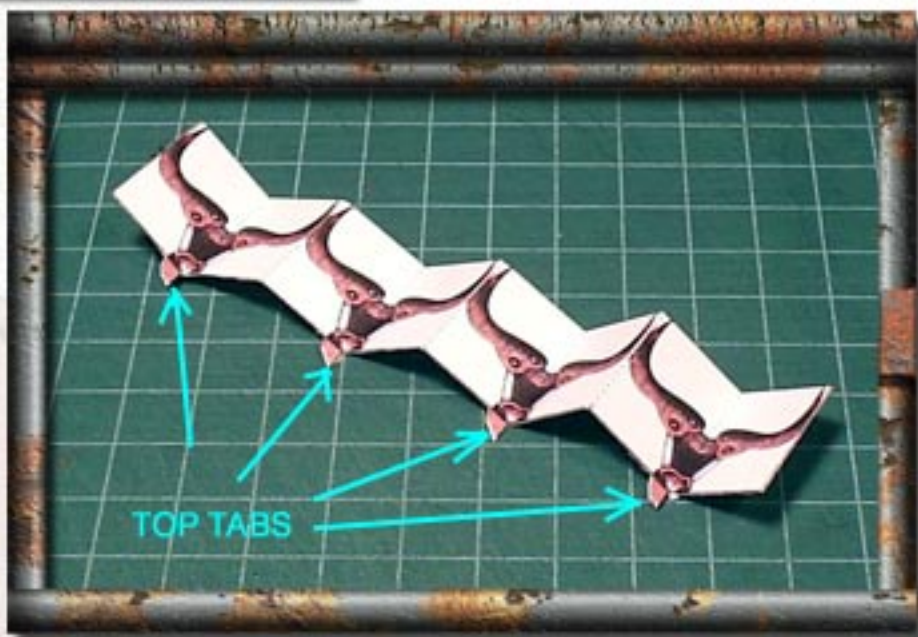
Glue the arms into the cradle.

When dry, glue the cradle to the body.

Glue the treads to the tread drive to complete the crane.

There are two choices for the end of the crane arm, the first is a claw. Getting the claw just right can be tricky, so take it slow.

First, make sure you have all the scoring and folding correct to create the "accordion" shape shown at right. Be sure not to damage any of the delicate top tabs.

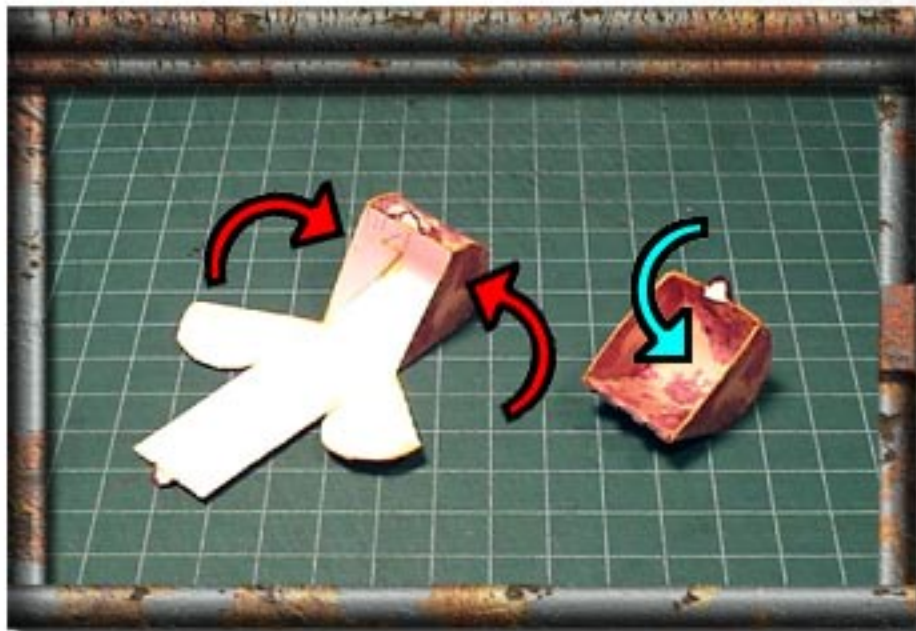


Glue together the two sides of ONE prong of the claw and let it dry.

Carefully cut away excess cardstock up to the center of the claw.

Continue around this way until all four prongs are made.



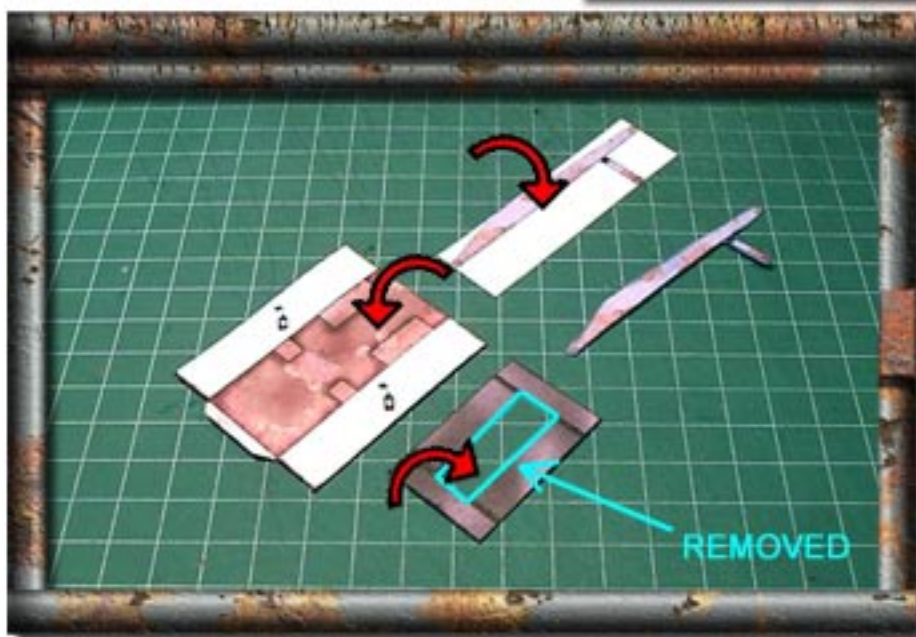


The second option is a standard bucket.

For this, first glue the sides to the back of the bucket by attaching each of the small, triangular tabs.

Finish the bucket by gluing in the interior and cutting out the small white spaces at the front.

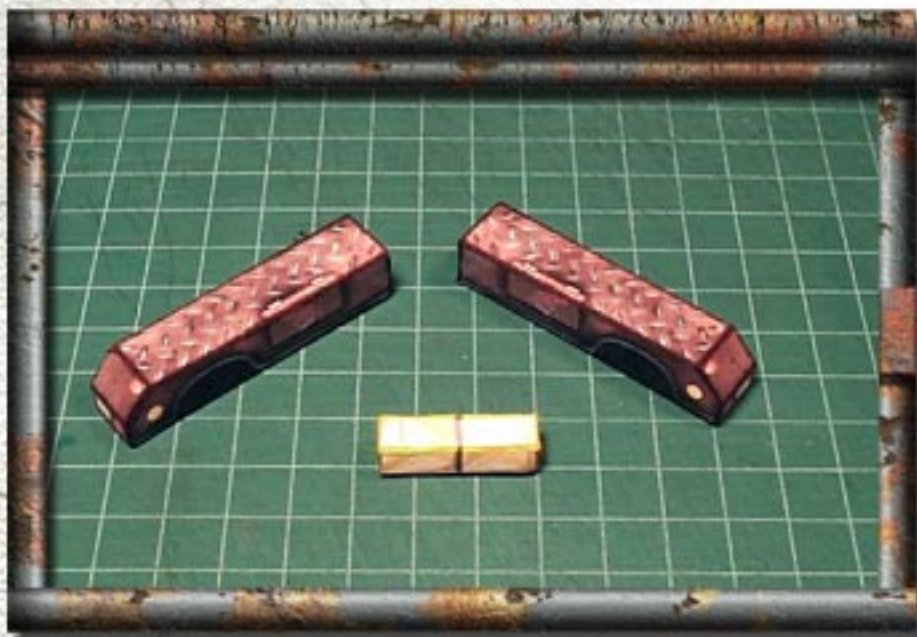
If you haven't already, edge (or re-edge) your completed bucket or claw and attach it to the end of the crane arm via the top tabs as shown.



Moving on to the tow truck, the support arms, truck bed and rubber flaps are all simple foldovers.

The whitespace around the support arms and inside the rubber flaps should be removed when dry and the components re-edged.



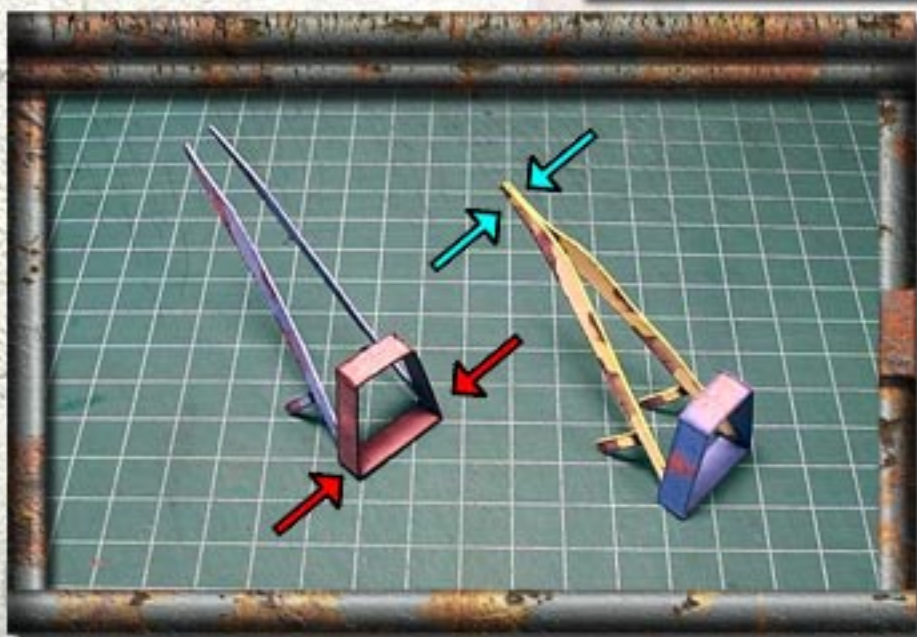
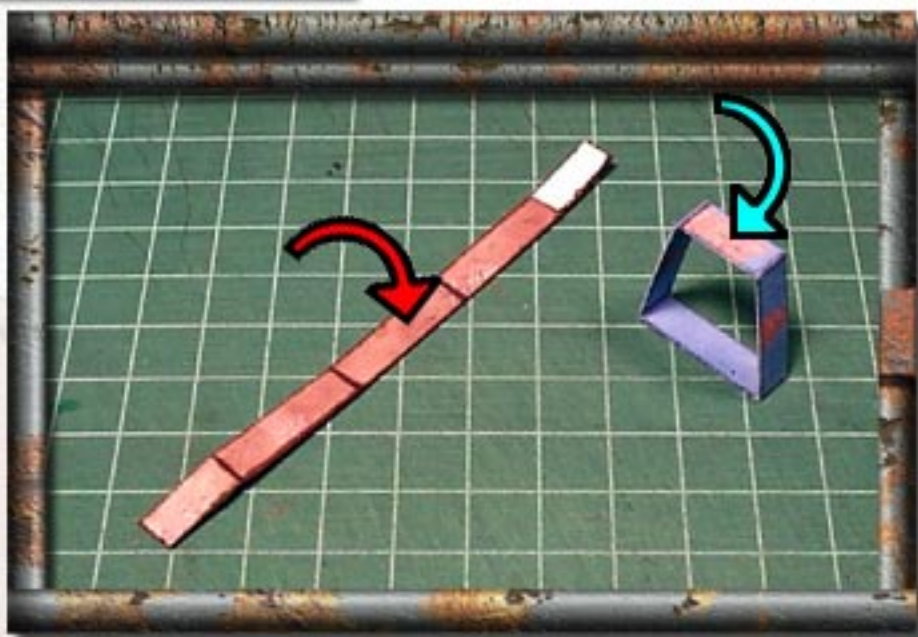


The rear wheel wells and lights are boxes built exactly as those boxes already mentioned.

The back brace is built in two steps.

First, the main section is glued and folded over onto itself.

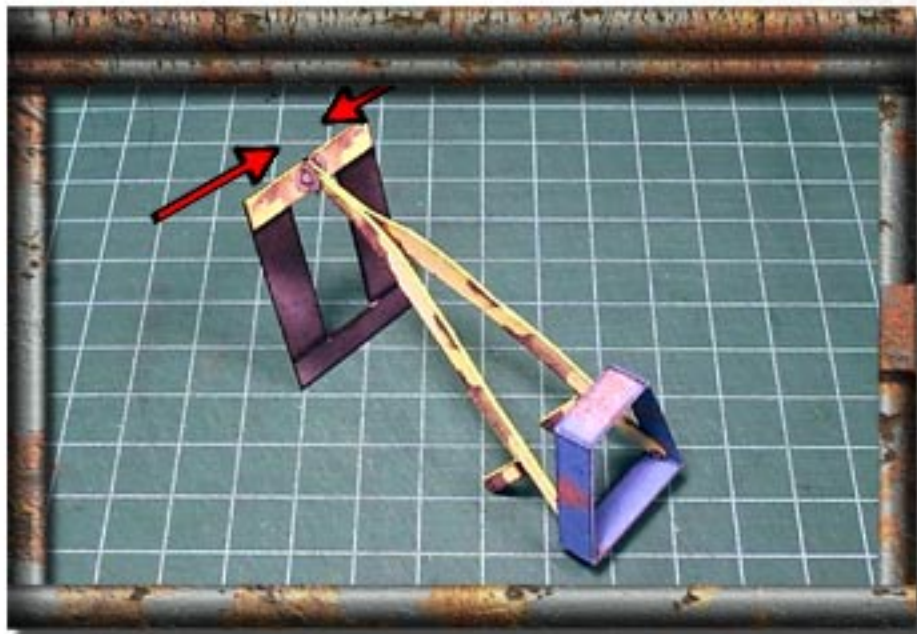
When dry, it is folded into a trapezoid and the top sections are glued together as shown.



The finished support arms are glued to the bottom of the back brace so they rest level with it as shown.

When dry, the ends of the arms are glued together.



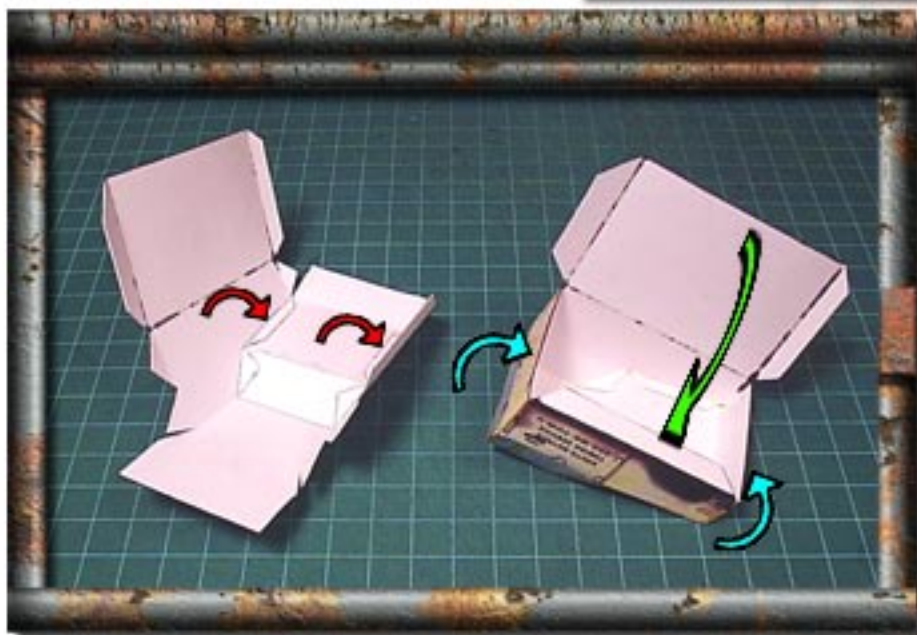


Glue the flat braces to the designated gluing areas on the back of the rubber flaps.

When dry, glue the small tabs in the middle to the support arms as shown.

Glue the wheel wells and completed back brace to the truck bed.

Glue the lights to the top of the back brace.

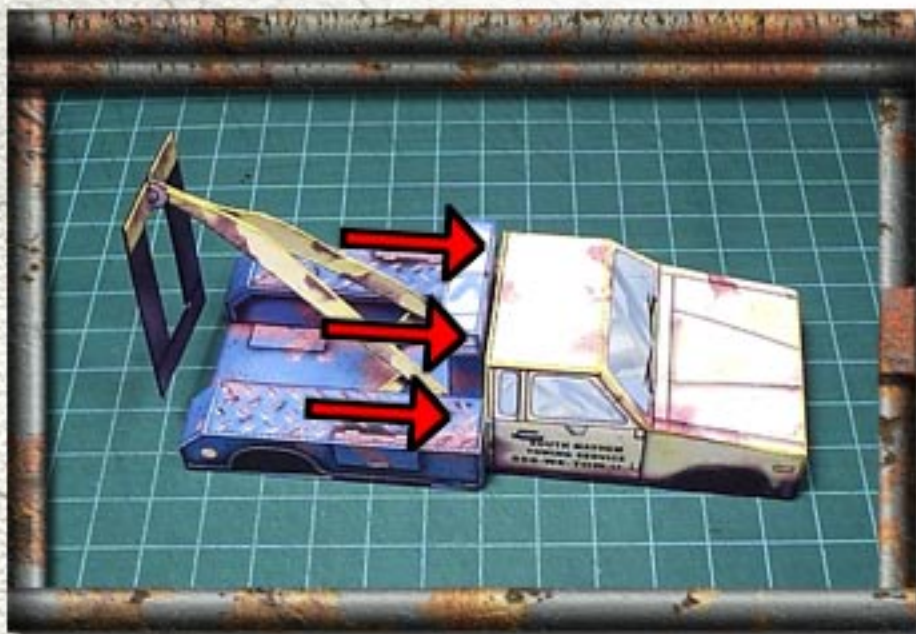


For the truck cab, first glue the tabs to the inside of the windshield and hood.

When dry, glue the back and front end into place.

Glue the underside of the cab into place to finish it.





Complete the truck by gluing the front to the back.

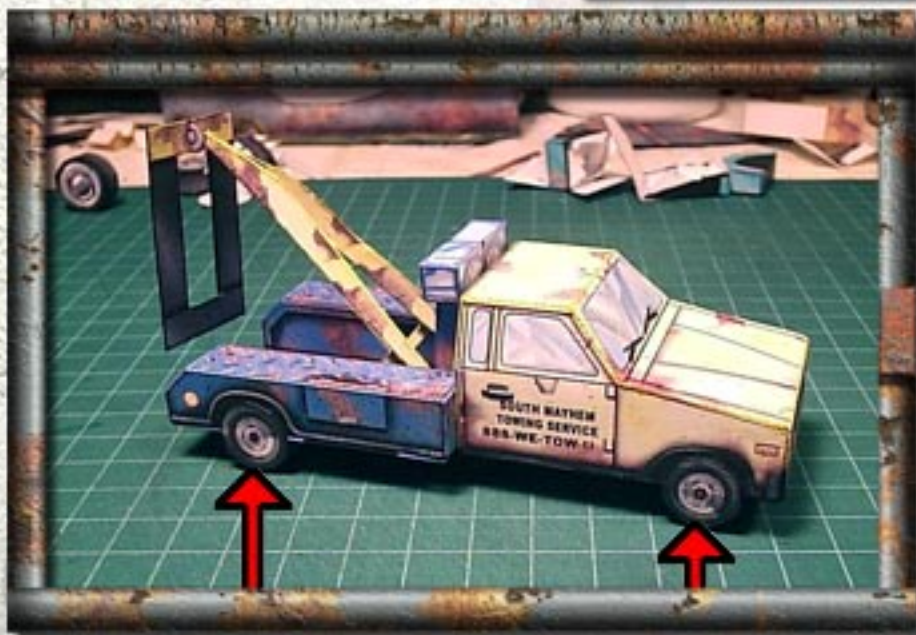
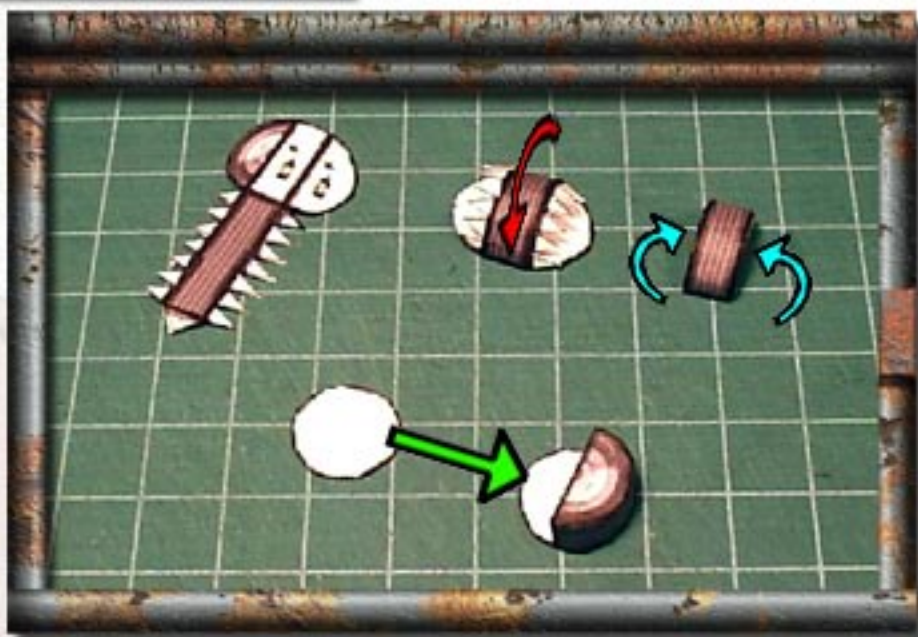
Apply glue to the central tab on the rear half, as well as the inner portions of the ends of the wheel wells.

The tires are built as follows:

First, glue the small tab on the far end to the opposite side to create an arch.

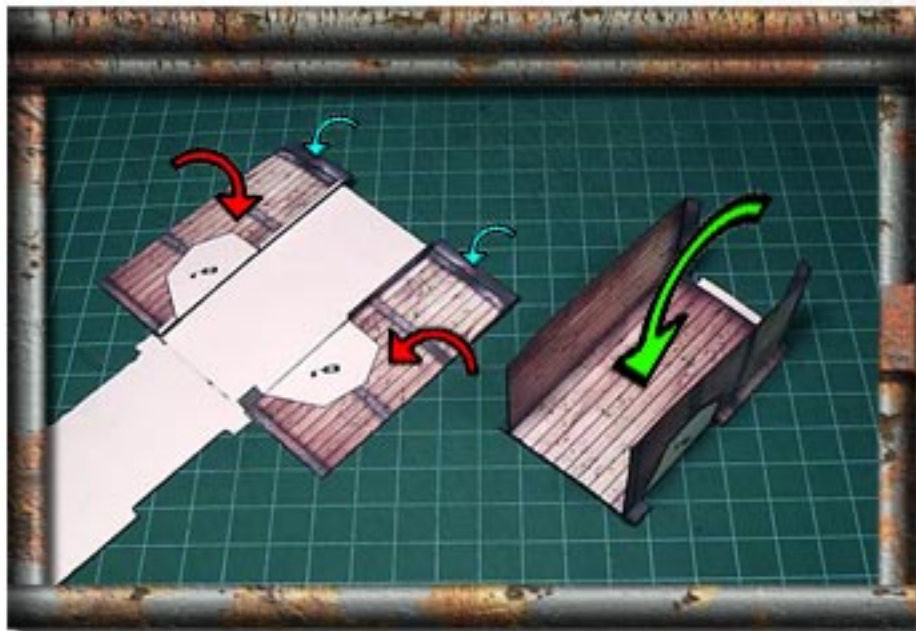
Next, apply glue to the small tabs on one side of the tire and fold it up. Repeat with the opposite side, closing the shape.

Finally, glue the blank side of the flat disc to the blank side of the tire.



Glue the finished tires to the truck body as shown.





The last vehicle in this set is an antique truck. Begin with the back end.

Glue each of the sides together and the small tabs at the top end of the back first.

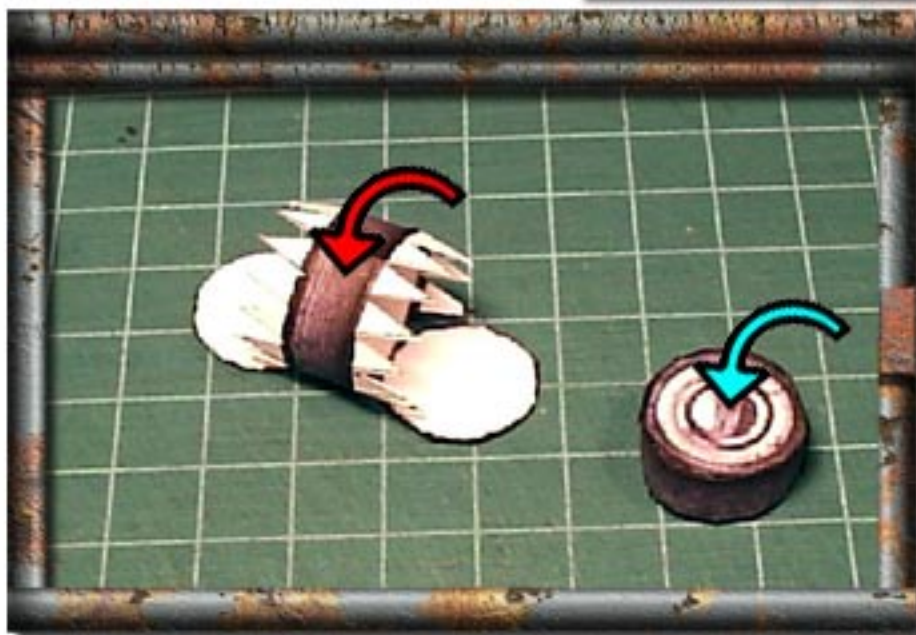
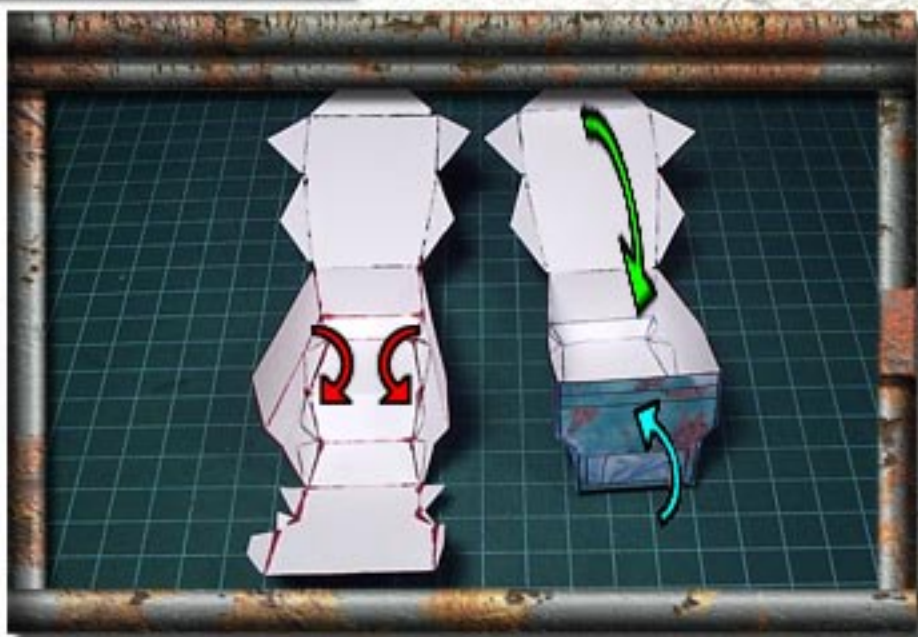
When this is dry, fold up the sides and glue the bottom into place. Be sure to align the runners on the outside of the back properly.

The cab of the truck is similar to that of the tow truck.

Glue the windsheild and roof elements into place first.

Next, fold up and glue the back of the cab.

Finish by gluing the underside into place.

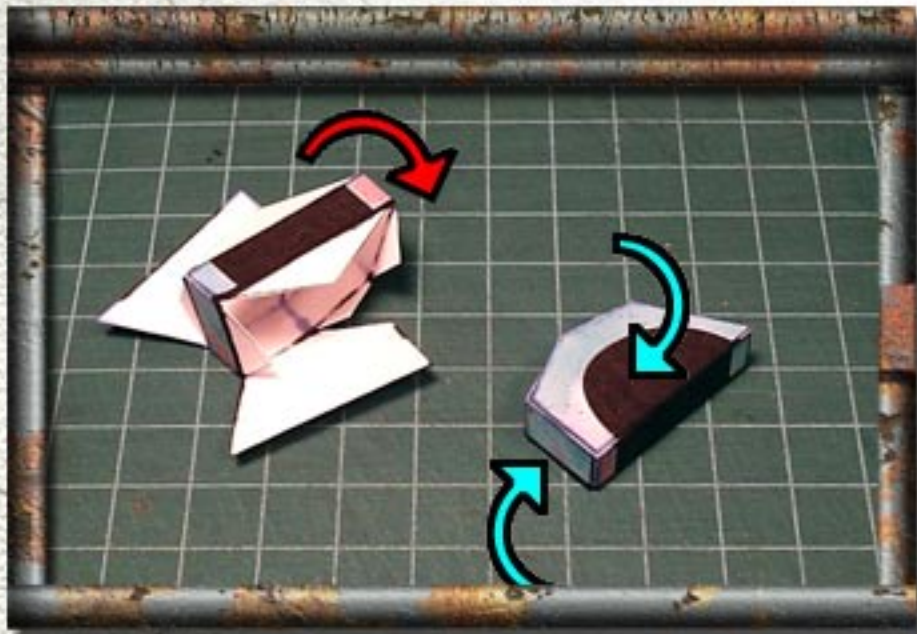


The spare tires are quite simple.

Glue the tab on the far end to the opposite side to make a loop.

Glue the sides to the small, triangular tabs around the perimeter to close the shape.



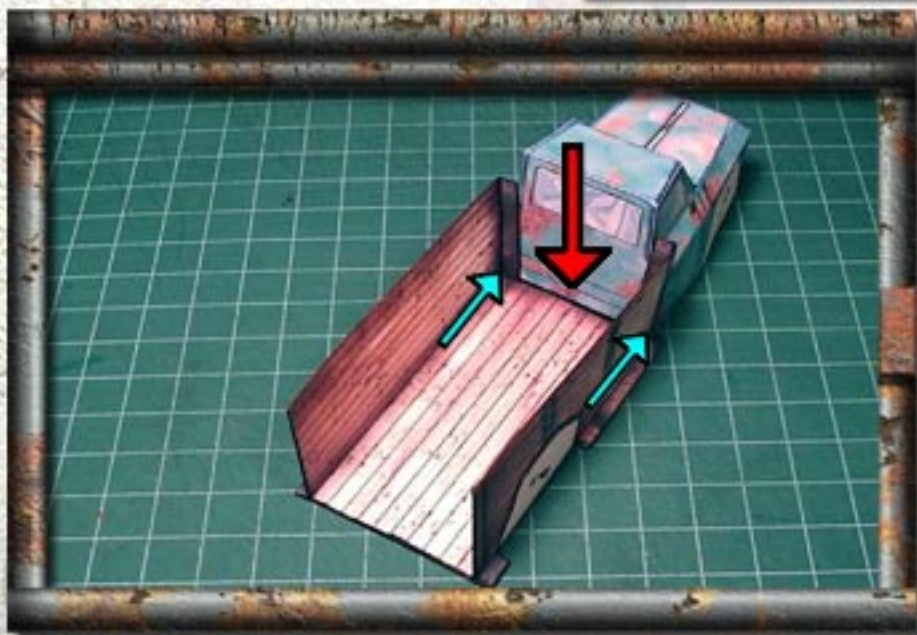
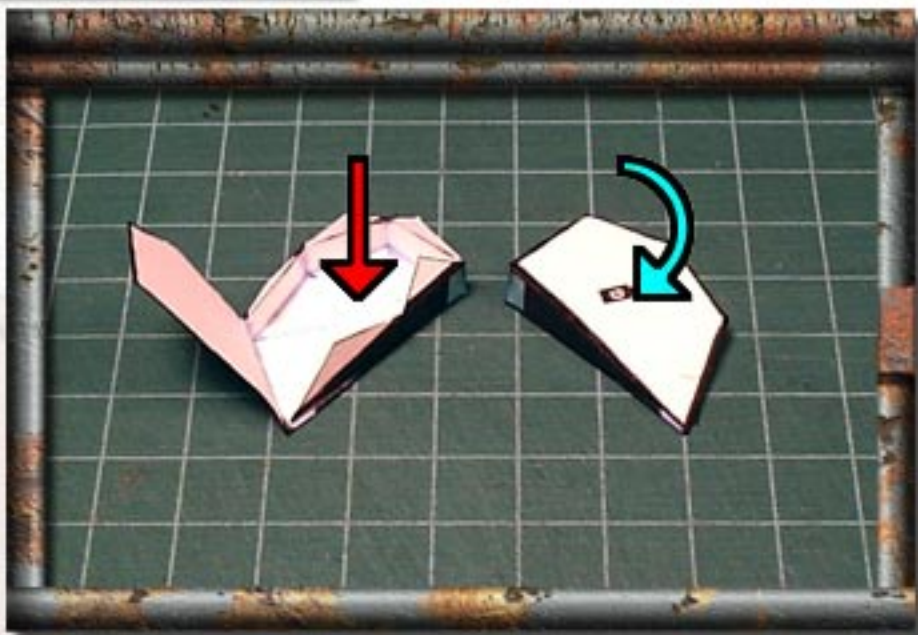


The rear wheel wells are box-like and are assembled in the standard fashion for boxes.

The front wheel wells are more like wheels than boxes.

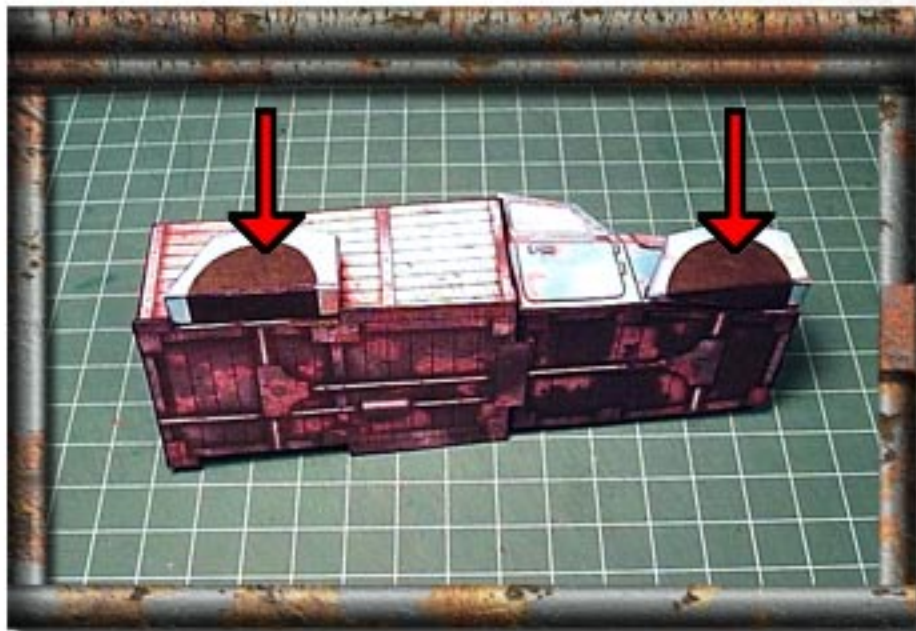
First, glue all the tabs along the inner surface of the textured side as shown.

When dry, glue the blank side down. There is no fold here but it will require a slight "bend" to fit properly.



Glue the finished cab to the truck back at the central underside tab and along the lower portion of the two tabs at the sides of the rear half of the truck.



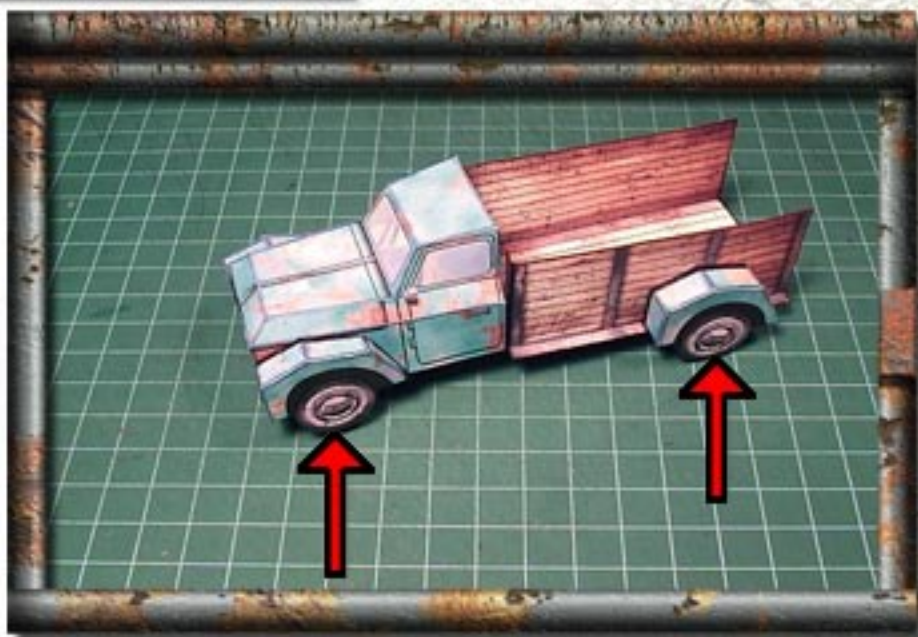


Attach the wheel wells as shown.

The front wheel well will require some pressure to help it adhere properly to the cab, so you will probably need to hold it in place until it dries.

The tires are made exactly as previously described for those on the tow truck.

Attach them to the wheel wells as shown.



The full tires can either be glued to the sides of the truck to act as spares or may be glued into the truck bed as cargo.

